Multi-ancestry genome-wide gene–smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids

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Abstract

The concentrations of high- and low-density lipoprotein cholesterol and triglycerides are influenced by smoking, but it is unknown whether genetic associations with lipids may be modified by smoking. We conducted a multi-ancestry genome-wide gene-smoking interaction study in 133,805 individuals with follow-up in an additional 253,467 individuals. Combined meta-analyses identified 13 novel loci, some of which were detected only because the association differed by smoking status. Additionally, we demonstrated the importance of including diverse populations, particularly in studies of interactions with lifestyle factors, where genomic and lifestyle differences by ancestry may contribute to novel findings.

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Serum lipids, such as triglycerides and high- and low-density lipoprotein cholesterol (HDL and LDL), are influenced by both genetic and lifestyle factors. Over 250 lipid loci have been identified,[1-6] yet, it is unclear to what extent lifestyle factors modify the effects of these variants, or those yet to be identified. Smoking is associated with an unfavorable lipid profile,[7,8] warranting its investigation as a lifestyle factor that potentially modifies genetic associations with lipids. Identifying interactions using traditional 1 degree of freedom (1df) tests of SNP x smoking terms may have low power, except in very large sample sizes. To enhance power, a 2 degree of freedom (2df) test that jointly evaluates the interaction and main effects was developed.[9]

The Gene-Lifestyle Interactions Working Group, under the aegis of the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium[10], was formed to conduct analyses of lifestyle interactions in the genetic basis of cardiovascular traits. As both genetic and lifestyle factors differ across populations with different ancestry backgrounds, and to address the underrepresentation of non-European populations in genomic research, great effort went into creating a large, multi-ancestry resource for these investigations.[11] Here, we report a genome-wide interaction study that uses both the 1df test of interaction and the 2df joint test of main and interaction effects to test the hypothesis that genetic associations of serum lipids differ by smoking status.

Results

Novel Loci

We conducted genome-wide interaction meta-analyses for current and ever-smoking status in up to 133,805 individuals of European (EUR), African (AFR), Asian (ASN) and Hispanic (HISP) ancestries (**Supplementary Tables 1-3**), with follow-up of 17,921 variants with $p \leq 10^{-6}$ (not pruned for linkage disequilibrium [LD]) in an additional 253,467 individuals of EUR, AFR, ASN, HISP, and Brazilian (BR) ancestries (**Supplementary Tables 4-6**), as described in **Figure 1**. Of these, 16,389 variants (487 loci,

defined by +/- 1 MB) passed filters and were included in stage 2 analyses. Ninety percent of variants (14,733) and 22% of loci (109) replicated in stage 2 (variants: p <0.05/16,389, loci: p <0.05/487). We conducted meta-analyses of stage 1 and 2 results (Manhattan Plots **Supplementary Figure 1**; QQ Plots, **Supplementary Figure 2**) and identified 13 novel loci with $p < 5 \times 10^{-8}$ that were at least 1 MB away from previously reported lipid loci (**Table 1**; results by stage: **Supplementary Table 7**; forest plots: **Supplementary Figures 3** and **4**; regional association plots: **Supplementary Figure 5**). These loci had low false discovery rate (FDR) q-values (all $q < 3 \times 10^{-4}$; **Supplementary Table 8**). We report novel loci with $p < 5 \times 10^{-8}$ as well as those passing a more stringent threshold ($p < 6.25 \times 10^{-9}$), adjusting for 2 smoking exposures, 2 interaction tests, and ancestry-specific and trans-ancestry tests. The patterns observed in these results are described below and illustrated using output from stage 1 meta-analyses, where results from a main effect model (in all and stratified by smoking exposure) and a smoking-adjusted main effect model were also available (**Figure 1; Supplementary Table 9**).

Notably, many novel loci were statistically significant only in AFR meta-analyses. For 7 of the 13 novel loci, the minor allele frequencies (MAF) of the index variants were highest in AFR, and inter-ancestry differences in MAF and/or LD may explain the failure to detect similar associations in other ancestries. However, some AFR-only associations were unlikely to be due to diminished power in non-AFR meta-analyses. For instance, the effect of rs12740061 (NC_000001.10:g.69407810C>T; *LOC105378783*) on HDL was significantly modified by current smoking status among AFR ($p_{1df} = 7.4 \times 10^{-9}$; **Figure 2, Table 1**), such that the genetic effect was stronger among current smokers than non-smokers (**Supplementary Table 9**). In contrast, there was virtually no evidence for association in any other ancestry, despite higher MAF (**Figure 2**). The potential influence of under-adjustment for principal components (PCs) on these results was evaluated by excluding the 6 studies adjusting for only 1 PC (the average number of PCs among AFR studies was 4.2); effect estimates were similar and p-values were reduced or similar, consistent with a ~20% reduction in sample size (**Supplementary Table 10**).

We observed interactions where notable associations were only found among current or ever-smokers, with effect sizes close to zero among non- or never-smokers, including a statistically significant association for the 2df joint test of main and interaction effects for rs7364132 (NC_000022.10:g.20096172G>A; *DGCR8*) × ever-smoking on triglycerides ($p_{2df} = 2.5 \times 10^{-8}$; **Table 1**). Main effect models stratified by smoking status showed a strong genetic association with triglycerides among ever-smokers (difference in mean ln triglycerides per A allele $\beta = -0.05$, $p = 7.9 \times 10^{-8}$), with a negligible association among never-smokers ($\beta = 0.01$, p = 0.19; **Figure 3a**). This association was not significant in a non-stratified main effect model (**Table 1; Supplementary Table 9**), and was only detectable when modeling permitted a different association across smoking strata. Similar results were observed for rs79950627 (NC_000011.9:g.2233790G>A; *MIR4686*) × current smoking on LDL (**Figure 3b**), and rs56167574 (NC_000007.13:g.151245975G>A; *PRKAG2*) × ever-smoking on LDL (**Figure 3c, Supplementary Table 9**).

We also observed interactions where the association was in opposite directions in the exposed vs. unexposed stratum, with a larger, more statistically significant association among smokers. For instance, current smoking modified the association between rs73453125 (NC_000007.13:g.146084573G>A; *CNTNAP2*) and LDL (**Table 1**). In stratified main effect models, the A allele was associated with lower LDL among current smokers ($\beta = -8.1$ mg/dL, $p = 2.2 \times 10^{-7}$), but higher LDL among non-smokers ($\beta = 2.18$ mg/dL, p = 0.01; **Figure 4a**, **Supplementary Table 9**). In a non-stratified smoking-adjusted main effects model, no association between rs73453125 and LDL was detected ($\beta = 0.3$ mg/dL, p = 0.98). Similar results were observed for rs12740061 (*LOC105378783*) (**Supplementary Table 9**).

Although many interactions manifested as associations significant only, or more strongly, in smokers, for rs10937241 (NC_000003.11:g.185822774A>G; *ETV5*), rs34311866 (NC_000004.11:g.951947T>C; *TMEM175*), rs10101067 (NC_000008.10:g.72407374G>C; *EYA1*)**,** and rs77810251

(NC_000007.13:g.121504149G>A; *PTPRZ1*), the associations observed among non- or never-smokers were more statistically significant. Notably, in stratified main effect models, rs77810251 was associated with increased HDL among never-smokers (β = 0.05 lnHDL, p = 6.3×10^{-11}) with no significant association among ever-smokers (β = -0.005 lnHDL, p = 0.56; **Figure 3d; Supplementary Table 9**). In a smoking-adjusted main effect model of never- and ever-smokers together, the association was markedly reduced (β = 0.02 lnHDL, p = 1.6×10^{-4}).

The 2df joint test simultaneously evaluates main and smoking interaction effects; some of our results appear to capture a main effect of the variant. For instance, the 2df test for rs12144063 (*EYA3*) detected an association (p = 1.3×10^{-10}), while the 1df test of interaction does not (p = 0.75). The minor alleles for this and three other variants (rs10937241 [*ETV5*], rs34311866 [*TMEM175*], and rs10101067 [*EYA1*]) were common across populations, and their effects were small in magnitude and yet reached genome-wide statistical significance (rs10101067 [*EYA1*]; **Figure 4b**), consistent with expectations for novel main effect loci in well-studied populations. There are two findings, however, for which the relatively large sample size in the AFR meta-analyses appeared to facilitate detection. The MAF for rs73729083 (NC_000007.13:g.137559799T>C; *CREB3L2*) was much greater among AFR than in HISP and ASN (not present among EUR), and the variant effect estimates were large and consistent across ancestries, while the interaction effect estimates were inconsistent, with wide confidence intervals (**Supplementary Figure 3f**). The minor allele for rs4758675 (NC_000012.11:g.122691738C>A; *B3GNT4*) was only present in AFR (**Supplementary Figure 3k**), but variant effect estimates were consistent across AFR studies, with interaction effect estimates approaching the null (**Supplementary Figure 4e**). In total, 6 of the 13 novel loci that we identified appear to be driven by main effects of the variant while the remainder show some evidence of interaction.

There were 16 additional novel loci identified in stage 1 meta-analyses (p_{1df} or $p_{2df} < 5 \times 10^{-8}$) for which the variants were unavailable for analysis in stage 2 cohorts. These loci were identified only in AFR meta-analyses (many were AFR-specific variants; **Table 2**). Due to the relatively small number and size of available AFR cohorts in stage 2 (total n = 7,217; n < 2,000 per cohort), these relatively low frequency variants did not pass filters for minor allele count within exposure groups. Nevertheless, these associations had low FDR q-values (all $q < 2.4 \times 10^{-4}$) in stage 1, and some appear worthy of further investigation. One particularly interesting candidate is rs17150980 (NC_000007.13:g.78173734T>C; *MAGI2*) × ever-smoking on triglycerides ($p_{2df} = 1.4 \times 10^{-9}$), for which consistent effects for both the variant and the interaction were observed across AFR studies, but not in other ancestries (**Supplementary Figure 6**).

As we ran analyses for both current and ever-smoking status, we evaluated novel associations across smoking exposures to further characterize those loci (**Supplementary Table 11**). For the 6 probable main effect loci (*EYA3*, *ETV5*, *TMEM175*, *CREB3L2*, *EYA1*, *B3GNT4*), an association of similar statistical significance was observed across smoking status definitions for the 2df joint test, with similar lack of effect for the 1df test of the interaction, consistent with the interpretation that smoking status was unimportant, with the main effect driving the association. For the locus in which a stronger association was observed among non-smokers (*PTPRZ1*), the 1df interaction p value was dramatically reduced (from 9.5×10^{-7} for ever-smoking to 0.011 for current smoking), consistent with any smoke exposure altering the association between this variant and HDL, and including former smokers with the never smokers (as in the current smoking analysis) diluting the observed association among never smokers. For the reported interactions with current smoking, all the effect estimates were greatly reduced in the ever-smoking analysis, suggesting that active smoking is the relevant exposure. For the reported interactions with ever-smoking, markedly reduced statistical significance was observed in the current smoking analysis, likely reflecting a drop in power from excluding former smokers from the exposed group.

We conducted a secondary analysis of smoking dose in two of our AFR cohorts with measured cigarettes per day for four interaction loci (see methods for selection criteria): rs12740061 (*LOC105378783*), rs73453125 (*CNTNAP2*), rs79950627 (*MIR4686*), and rs7364132 (*DGCR8*). For each of these variants, a stronger association was observed with increasing smoking dose (**Supplementary Table 12**), and the interaction was statistically significant for all variants but rs7364132, which was just over our threshold for statistical significance ($p = 0.0035$ vs. $p < 0.0021$).

Conditional analysis showed no evidence that the novel associations were driven by variants at known lipids loci (**Supplementary Table 13**). Imputation quality for novel variants was high (minimum 0.75), with sample-size weighted average imputation quality of 0.90 and minor allele frequencies that match publicly-available datasets (**Supplementary Table 14**).

Interactions at Known Loci

We examined interactions at known lipid loci. Since results for the 2df test at known lipid loci are expected to predominantly reflect previously identified main effects, we exclusively evaluated the 1df test of interaction. No interactions within known loci were statistically significant ($p_{1df} < 0.05/269$ known loci in our data). To evaluate whether the proportion of known variants with $p_{1df} < 0.05$ was higher than would be expected by chance (5%), we conducted binomial tests for each trait-exposure combination (p-values Bonferroni-corrected for multiple tests). There was significant enrichment of known variants with 1df interaction $p < 0.05$: HDL-current smoking $p = 9.6 \times 10^{-12}$, HDL-ever smoking $p = 5.9 \times 10^{-7}$, LDL-current smoking $p = 8.4 \times 10^{-15}$, LDL-ever smoking $p = 3.1 \times 10^{-5}$, triglycerides-current smoking $p = 4.0 \times 10^{-3}$, triglycerides-ever smoking $p = 3.1 \times 10^{-4}$. We conducted power calculations under different interaction scenarios to determine the conditions under which an interaction analysis and a main effect analysis would both be sufficiently powered to detect the same locus (i.e. when an interaction could be detected in a locus previously identified in a main effect analysis; **Supplementary Table 15**). At current

trans-ancestry meta-analyses sample sizes and assuming a large effect size, there was limited power to detect either a main effect or an interaction when an association was larger or only present among smokers (main effect <1%; interaction 77%), or when associations differed in magnitude but not direction (main effect >99%; interaction <1%); thus, making it unlikely to detect an interaction at a known locus. We were well-powered for both interaction and main effect analyses to detect smoking interactions for which smoking eliminates or drastically reduces a large association among non- or never-smokers. We identified one such interaction in our data, for *PTPRZ1* in AFR only, which may not have been previously identified in a main effect analysis because of limited power of AFR main effect analyses thus far.

Proportion Variance Explained by Identified Loci

Ten studies from four ancestries were used to calculate the proportion of the variance in lipid traits explained by the genome-wide statistically significant novel loci: 13 loci from stage 1 and 2 combined meta-analyses (**Table 1**), and 16 loci from stage 1 that were not available in stage 2 analyses (**Table 2**). Two different methods were used (**Online Methods**), and the range of findings across these methods are presented (**Supplementary Table 16**). In AFR, novel variants and their interactions explained 1.0-2.7% of HDL, 0.7-2.6% of LDL, and 1.3-3.2% of triglycerides. The proportion explained was smaller among EUR (0.06-0.14% of HDL, 0.01-0.07% of LDL, and 0.10-0.19% of triglycerides), ASN (0.27-0.86% of HDL, 0.09-0.82% of LDL, and 0.8-1.5% of triglycerides), and HISP (0.2-0.4% of HDL, 0.2-0.5% of LDL, and 0.2-0.4% of triglycerides). These results should be considered in the context of the inter-ancestry MAF differences: the proportion of novel variants that could be evaluated varied by ancestry, with 94-97% among the AFR cohorts, but only 32-39% among the EUR and ASN cohorts, and 55% in the HISP cohort. In contrast, each of the cohorts investigated had similar proportions of the requested known variants (83-96%).

Reproducing Known Lipids Associations

We evaluated the degree to which our data reproduce previously reported lipid loci. Given that approximately 81% of cohorts in stage 1 were included both in this and in previous efforts, this analysis is not a formal replication. For comparability with traditional GWAS, we evaluated results from stage 1 main effect models. Of the 356 previously reported associations for 279 variants (compiled from[1-6,12]), there were 236 associations for 189 variants that were confirmed in our data (consistent direction and $p < 0.05/356$), for a 66.3% concordance rate (**Supplementary Table 17**).

Bioinformatics

To characterize the potential impact of our novel associations for chronic disease risk and to investigate biological mechanisms, we conducted a series of follow-up analyses and annotations. We performed extensive bioinformatics annotation on variants within the 29 novel loci (**Tables 1** and **2**). These loci included 78 associated variants that were in or near 33 unique genes (**Supplementary Table 18**). We conducted look-up of these variants in previously conducted GWAS for related traits (**Supplementary Tables 19-24**), the Genotype-Tissue Expression (GTEx v7.0) portal and Regulome DB (**Supplementary Table 25**), HaploReg v4.1 (**Supplementary Table 26**), and an analysis of *cis*- and *trans*- expression quantitative trait loci (eQTL) in whole blood from Framingham Heart Study participants (**Supplementary Table 27**). Additionally, for each trait we performed DEPICT gene prioritization (**Supplementary Tables 28-30**), gene set enrichment (**Supplementary Tables 31-33**), and tissue or cell type enrichment analyses[13] (**Supplementary Tables 34-37**), using both novel and known loci. Notable findings from these follow-up analyses are summarized below by locus.

Consistent with our observations of an association of the C allele for rs10101067 (*EYA1*) with higher triglycerides, this allele was associated with increased risk of coronary artery disease (β = 0.036, p= 0.03; **Supplementary Table 19**), ischemic stroke (β = 0.11, p= 0.04; **Supplementary Table 20**), and higher

waist to hip ratio adjusted for BMI (β = 0.029 units, p= 6.5×10^{-4}, with similar results observed for waist circumference adjusted for BMI; **Supplementary Table 21**).

We found an association of the T allele of rs12144063 (NC_000001.10:g.28406047G>T; *EYA3*) with lower HDL. This allele was associated with increased risk of all stroke types (β = 0.05, p = 0.04), as well as stroke subtypes (**Supplementary Table 20**). rs7529792 (NC_000001.10:g.28306250C>T), a variant in LD with rs12144063 (r^2 = 0.97) regulates gene expression of *EYA3* and has a high Regulome DB score (1b; **Supplementary Table 25**). Haploreg also shows regulatory features for rs12144063, including being in a promoter location expressed in liver and brain, in enhancer histone marks, and at DNAse marks for *EYA3* (**Supplementary Table 26**). DEPICT predicted a role for these variants in regulating *EYA3* and *XKR8* (**Supplementary Table 28**), which encodes a phospholipid scramblase important in apoptotic signaling[14].

We report an interaction between smoking and rs77810251 (*PTPRZ1*) with the minor allele associated with higher HDL only among never-smokers. While this variant was not available in look-up data for GIANT, a variant in this locus with a similar association, rs740965 (NC_000007.13:g.121513561T>G), was associated with lower BMI among EUR (β = -0.01 kg/m^2, p= 0.01, similar results for trans-ancestry analysis). This variant was also associated with lower waist circumference adjusted for BMI among EUR women (β = -0.016, p = 0.04; **Supplementary Table 21**). *PTPRZ1* was shown to be downregulated in cells treated with an acute dose of nicotine[15], which supports our observation of a lack of an association of *PTPRZ1* variants among ever-smokers.

We report a main effect of rs34311866 on HDL and triglycerides. rs34311866 is a missense variant in *TMEM175,* which has been associated with Parkinson's disease[16] and type 2 diabetes[17]. This variant contributes to the regulation of *DGKQ* (p = 5.3×10^{-21}) and is an eQTL of *DGKQ* in adipose, artery, lung, nerve and thyroid tissue (**Supplementary Table 25**). The expression of *DGKQ* is more strongly regulated by another significantly associated variant in this locus, rs4690220 (NC_000004.11:g.980464A>G), which

is located upstream of *IDUA* and in an intron of *SLC26A1*. This variant had a high score in the RegulomeDB (1f), supporting a potential functional effect (**Supplementary Table 25**). Importantly, *DGKQ* has been implicated in studies of cholesterol metabolism[18], bile acid signaling, glucose homoeostasis in hepatocytes[19], primary biliary cirrhosis[20], and Parkinson's disease[21-24]. DGKQ interacts with the key lipid enzymes LPL, LIPG, and PNPLA3 (**Supplementary Figure 7**). These results suggest that the observed association with HDL and triglycerides could act on cholesterol metabolism through regulation of *DGKQ*. Also, rs34311866 is a *trans*-eQTL for *GNPDA1* (**Supplementary Table 27**); expression of this gene has been associated with a set of traits, including hyperlipidemia[25].

In our data, there was a significant rs12740061 (*LOC105378783*) × smoking interaction, such that the minor allele was associated with decreased HDL only among current smokers. This variant is a *trans*-eQTL for *TAS1R1* (**Supplementary Table 27**). Variants in this gene have been found to influence taste receptors, notably affecting cigarette smoking habits[26].

Discussion

In this study, we evaluated gene-smoking interactions in large, multi-ancestry, meta-analyses of serum lipids, using varying associations among smoking subgroups to improve the ability to detect novel lipid loci. We report 13 novel loci for serum lipids from stage 1 and 2 meta-analyses. Sixteen additional statistically significant novel loci were found in stage 1 but were unavailable in stage 2. All 29 novel associations had a low q-value ($p < 3 \times 10^{-4}$). Using both the 1df test of interaction and the 2df joint test of main and interaction effects in this study allowed us to improve our inferences based on the results: the 2df test bolstered the power to detect interactions, while the 1df test could discriminate between associations that predominantly reflected main effects vs. interactions.

Our results provide support for future efforts to evaluate lifestyle interactions with complex traits. We identified loci for which an association with serum lipids was only observed in one smoking stratum. In main effect models at these loci, the signal from one subgroup was not detected when all individuals were evaluated together (regardless of adjusting for smoking). These loci could only be observed by an analysis that was either smoking-stratified or contained an interaction term, highlighting the importance of considering potential effect modification in association studies. Additionally, through use of the joint 2df test, we identified six loci that appear to show novel main effects. Consistent with this characterization, five of these loci were within 500 KB of variants identified in recent large-scale association studies using main effect models: *ETV*[27-29], *TMEM175*[28], *EYA1*[28], *EYA3*[28], and *B3GNT4*[28].

With 23,753 AFR individuals in the Stage 1 analyses and 30,970 AFR individuals overall, this work represents one of the largest studies of serum lipids in AFR. It is therefore unsurprising that two of our novel lipid loci (*CREB3L2* and *B3GNT4*) appear to be driven primarily by genetic main effects. Importantly, these associations could not have been detected in EUR, as the tested allele for both rs4758675 (*B3GNT4*) and rs73729083 (*CREB3L2*) are absent in EUR.

In addition to these probable main effect loci, the prominence of novel loci that were statistically significant only in AFR meta-analyses deserves further discussion. Some findings could not be effectively evaluated in other ancestry groups because of inter-ancestry MAF differences: the minor alleles for half of the variants were much more frequent in AFR. More puzzling, however, is the discovery of loci with evidence of strong interactions in AFR but not in meta-analyses in other ancestries, despite comparable or higher allele frequencies, such as were observed with rs12740061 (*LOC105378783*; **Figure 2**) or rs17150980 (*MAGI2*; **Supplementary Figure 6**). This phenomenon suggests inter-ancestry differences in either genomic or environmental context. There are variants in LD ($r^2 > 0.2$) among AFR for rs12740061 (*LOC105378783*) and rs17150980 (*MAGI2*) that are not in LD with these variants in other ancestries[30],

but these variants were directly tested in our study with no evidence of an association in non-AFR analyses. Thus, it is unlikely that inter-ancestry LD differences explain these results, although unmeasured causal variants are a possibility. Inter-ancestry differences in smoking are also a potential explanation. In addition to known differences in smoking patterns[31], there are pronounced ancestry differences in preferred cigarette type, with over 85% of AFR smokers using menthol cigarettes compared to 29% of EUR smokers (in the US)[32]. Menthol cigarettes are thought to facilitate greater absorption of harmful chemicals because of deeper inhalation[31,33] through desensitization of nicotinic acetylcholine receptors that cause nicotine-induced irritation[34]. Evidence for an excess risk of cardiovascular disease associated with mentholated cigarettes, however, is equivocal[35-39]. Ancestry differences in smoking-related metabolites and carcinogens have been reported[40-43], and differential metabolism of key compounds may underlie observed differences by ancestry. Some behaviors/conditions that co-occur with smoking may also differ by ancestry, and this additional factor may modify the observed genetic associations with serum lipids.

The biological mechanisms through which smoking influences the observed genetic associations will require further investigation, as the myriad components of cigarette smoke and their downstream consequences (including oxidative stress and inflammation) affect pathways throughout the body[44]. However, there is evidence for differential expression of *PTPRZ1*[15], *LPL*[15] and *LDLR*[45] in cells exposed to an acute dose of nicotine. Also, concentrations of CETP[46], ApoB[47], and LPL[48] are associated with smoking status.

The sample size attained for diverse ancestries is a key strength of our study, particularly among AFR. As a result, we were able to identify loci that had not been previously detected in meta-analyses of ancestries that are better represented in genomic research. Additionally, our use of nested models in our stage 1 analyses allowed us to more fully characterize loci. Despite these strengths, however, a

smaller number of AFR studies were available for stage 2, resulting in an inability to follow up on some of our stage 1 low frequency findings.

In conclusion, this large, multi-ancestry genome-wide study of gene-smoking interactions on serum lipids identified 13 novel loci based on combined analysis of stages 1 and 2, and an additional 16 novel loci based on stage 1 that were unavailable in stage 2. Some loci were detected only in analyses stratified by smoking status or with a smoking interaction term, thus motivating further study of gene × environment interactions with other lifestyle factors to identify new loci for lipids and other complex traits. We demonstrate the importance of including diverse populations, reaching a sufficient sample size in these analyses for discovery of novel main effect lipid loci for AFR. Careful consideration of ancestry may be of particular importance for gene × environment interactions, as ancestry may be a proxy for both genomic and environmental context.

URLs

1000 Genomes Project: http://www.internationalgenome.org/

dbGaP: https://www.ncbi.nlm.nih.gov/gap

dbSNP: http://ncbi.nlm.nih.gov/snp/

DEPICT: http://data.broadinstitute.org/mpg/depict/

EasyQC: http://www.genepi-regensburg.de/easyqc

EasyStrata: http://www.genepi-regensburg.de/easystrata

ENCODE: https://www.encodeproject.org/

forestplot: http://cran.r-project.org/web/packages/forestplot/

GCTA: http://cnsgenomics.com/software/gcta

geepack: http://cran.r-project.org/web/packages/geepack/

GenABEL: https://github.com/cran/GenABEL

Gene Ontology: http://www.geneontology.org/

GTEx: https://gtexportal.org/home/

HaploReg: http://pubs.broadinstitute.org/mammals/haploreg/haploreg.php

KEGG: http://www.genome.jp/kegg/

LocusZoom: http://locuszoom.sph.umich.edu/

METAL: http://genome.sph.umich.edu/wiki/METAL

NCBI Entrez gene: ncbi.nlm.nih.gov/gene/

ProbABEL: https://github.com/GenABEL-Project/ProbABEL

Reactome: http://bioconductor.org/packages/release/data/annotation/html/reactome.db.html

RegulomeDB: http://www.regulomedb.org/

Roadmap Epignomics: http://www.roadmapepigenomics.org/

sandwich: http://cran.r-project.org/web/packages/sandwich/index.html

STRING database: http://string-db.org/

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Author Contributions

All authors reviewed and approved the manuscript. Study concept and design: A.B.Z., A.C.M., A.C.P., A.J.O., A.R., A.R.B., A.R.W., B.I.F., B.L.H., C.A.M.K., C.Ballantyne, C.Bouchard, C.C.K., C.C.L., C.D.L., C.H., C.Langenberg, C.M.van D., C.M.K., C.N.R., C-T.L., C.Y., C-Y.C., D.C.R., D.I.C., D.M.B., D.R.W., D.W.B., E.B., E.P.B., E.R.F., E.S.T., F.R.R., G.W., H.A., H.J.de S., H.Watkins, I.G., I.J.D., I.K., J.B.J., J.Ding, J.Divers, J.D.F., J.E.Hixson, J.E.K., J.I.R., J.K., Jianjun Liu, J.M.C., J.M.S., J-M.Y., K.C., K.K.L., K.L.M., L.A.C., Lifelines Cohort Study, L.E.W., L.J.L., M.A.I., M.A.P., M.Brown, M.Boehnke,M.Farrall, M.Fornage, M.He, M.K., M.K.E., M.Laakso, M.S., N.G.F., N.J.S., N.J.W., N.K., N.L.P., N.P., N.S., O.P., O.T.R., P.F., P.G., P.H., P.K., P.K.E.M., P.M.R., P.S., R.A.S., R.M.D., R.R., R.S.C., S.C., S.K.M., S.L.R.K., S.R., S.T.T., T.A., T.A.L., T.B.H., T.F., T.K.R., T.Lehtimäki, T.N.K., T.R., T.W., T.Y.W., U.de F., V.G., W.B.W., W.P.K., X.G., Y.K., Y.Liu, Y.W., Y.X.W., and Y.Y.T. Phenotype data acquisition and/or quality control: A.B.Z., A.C., A.C.P., A.D.M., A.G., A.J.O., A.K., A.Metspalu, A.P., A.P.R., A.R.B., A.R.V.R.H., A.R.W., A.W.M., B.E.C., B.G., B.I.F., B.L.H., B.M.P., B.O.T., B.Penninx, C.A.M.K., C.Ballantyne, C.Bouchard, C.D.L., C.E.L., C.Gieger, C.H., C.J., C.Langenberg, C.Li, C.M.K., C.M.van D., C.N.R., C.O.S., C.P.N., C.Y., D.C.R., D.H., D.M.B., D.R.J., D.R.W., D.W.B., E.E., E.P.B., E.S.T., F.R., F.R.R., F-C.H., G.J.P., G.R.B., G.W., H.G., H.J.de S., H.J.G., H.M.S., H.Tiemeier, H.Wang, I.J.D., I.K., I-T.L., J.A.S., J.B.J., J.Ding, J.Divers, J.D.F., J.E.K., J.H.Z., Jian'an Luan, Jingjing Liang, J.M.C., J.M.S., J-M.J.J., J-M.Y., J-S.W., K.C., K.K.L., K.Leander, K.Liu, K.Schwander, K-H.L., L.A.C., Lifelines Cohort Study, L.F.B., L.J.B., L.M., L.M.R., L.R.Y., M.Alver, M.Amini, M.A.P., M.Brown, M.Boissel, M.C., M.F.F., M.He, M.Hirata, M.K., M.K.E., M.K.W., M.N., M.P.C., M.S., M.W., N.F., N.G.F., N.J.S., N.J.W., N.L.P., N.P., N.S.,

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Competing Financial Interests

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Figure Legends

Figure 1. Study Overview: Summary of data included in this study. [1]16,389 variants passed filtering criteria and were included in stage 2 analyses. [2]Trans-ancestry (TRANS) stage 1 and 2 combined meta-analyses were meta-analyses of stage 1 TRANS and stage 2 TRANS meta-analyses, and not meta-analyses of ancestry-specific stage 1 and stage 2 combined meta-analyses.

Figure 2. Interaction of rs12740061 (*LOC105378783*) and Current Smoking (1df). A forest plot showing the betas (95% confidence intervals) and p values (1df) for the rs12740061 × Current Smoking interaction term in linear regression models of HDL adjusted for age, sex, study-specific covariates (if applicable), smoking status, and principal components. Results for each AFR study are shown, as well as the ancestry-specific combined stage 1 and 2 meta-analyses.

Figure 3. Associations Observed Primarily Among One Smoking Stratum**.** For selected variants for which an association was primarily observed only in one smoking stratum, a comparison of the p values for stage 1 linear association models, including a main effect model adjusted for age, sex, principal components, and study-specific covariates (as appropriate) in all individuals and stratified by smoking exposure; a model additionally adjusted for smoking exposure; and a model that also includes a smoking exposure × SNP interaction term, from which a 1df test of interaction and a 2df joint test of main effect and interaction were calculated. a.) rs7364132 (*DGCR8*) × ever-smoking on triglycerides (n = 21,834 [11,113 never smokers; 10,725 ever-smokers]), b.) rs79950627 (*MIR4686*) × current smoking on LDL (n = 23,348 [18,384 non-smokers; 4,973 current smokers]), c.) rs56167574 (*PRKAG2*) × ever smoking on LDL (n = 23,353 [11,700 never smokers; 11,649 ever-smokers]), and d.) rs77810251 (*PTPRZ1*) × ever smoking on HDL (n = 23,146 [11,560 never smokers; 11,592 ever-smokers]).

Figure 4. Forest Plots of Selected Associations. (a.) Plot showing the association between rs73453125 and LDL among AFR in stage 1 (where a series of models were available). Variant betas (95% confidence intervals) and p values are drawn from main effect linear regression models of Non-Smokers, Smokers, all individuals, and all individuals with adjustment for smoking status. (b.) Plot showing the association between rs10101067 (*EYA1*) and triglycerides in ancestry-specific and combined analysis from stages 1 and 2. Variant main and interaction betas (95% confidence

intervals) are drawn from linear regression models that include a current smoking × SNP term and p values are for the 2df joint test of main effect and interaction.

Table 1: Statistically Significant ($p < 5\times10^{-8}$) Results in Stage 1 and 2 Meta-Analysis

						Stage 1 + 2							Stage 1	
Index Variant (Nearest Gene)[1]	**Bld 37 Chr:Position**	**1000 Genomes Freq[2] AFR/AMR/ASN/EUR**	**Tested Allele: Freq**	**Ancestry**	**Trait/ Exposure[3]**	**n**	**Effect**	**SE**	**Int. Effect**	**SE**	**1df Int. P-value[4]**	**2df Joint P-value[4]**	**n**	**Adj. Main Effect P-value[5]**
Loci with Evidence for Interaction														
rs12740061 (*LOC105378783*)	1:69407810	0.01/0.17/0.02/0.22	T: 0.05	AFR	HDL/ CS	16,606	0.02	0.0082	-0.11	0.019	**7.40E-09**	**2.4E-08**	15,499	0.98
rs77810251 (*PTPRZ1*)	7:121504149	0.02/0.22/0.34/0.11	A: 0.04	AFR	HDL/ ES	24,253	0.052	0.0083	-0.06	0.012	9.50E-07	**1.2E-9***	23,146	1.60E-04
rs73453125 (*CNTNAP2*)	7:146084573	0.09/0.02/0/0	A: 0.07	TRANS, AFR	LDL/ CS	40,566	1.9	0.69	-8.3	1.4	1.70E-07	**2.0E-08**	24,668	0.76
rs56167574 (*PRKAG2*)	7:151245975	0.13/0.01/0/0	A: 0.12	AFR	LDL/ ES	25,778	1.9	0.8	-6.1	1.1	**1.50E-08**	8.4E-08	23,353	0.08
rs79950627 (*MIR4686*)	11:2233790	0.06/0.01/0/0	A: 0.05	TRANS, AFR	LDL/ CS	38,272	-0.1	0.79	-8.4	1.6	1.40E-06	**7.2E-09**	23,348	0.25
rs60029395 (*ZNF729*)	19:22446748	0.15/0.01/0.03/0	A: 0.13	AFR	TRIG/ CS	19,048	0.041	0.0092	-0.097	0.018	**3.30E-08**	8.2E-08	15,747	0.17
rs7364132 (*DGCR8*)	22:20096172	0.19/0.02/0/0	A: 0.16	AFR, TRANS	TRIG/ ES	23,935	0.012	0.0091	-0.066	0.013	8.80E-07	**2.5E-08**	21,834	0.0055
Probable Main Effect Loci (No Evidence of Interaction)														
rs12144063 (*EYA3*)	1:28406047	0.35/0.28/0.53/0.30	T: 0.37	TRANS	HDL/ CS,ES	375,418	-0.004	0.00069	-0.00033	0.0016	0.75	**1.3E-10***	131,057	4.70E-07
rs10937241 (*ETV5*)	3:185822774	0.30/0.31/0.58/0.19	A: 0.17	EA, TRANS	HDL/ CS,ES	230,919	-0.008	0.0012	0.0021	0.0026	0.65	**4.2E-12***	90,266	4.50E-07
rs34311866 (*TMEM175*)	4:951947	0.01/0.07/0.12/0.20	C: 0.17	TRANS, EA	HDL,TRIG/ CS	351,489	-0.006	0.00097	0.0014	0.0022	0.61	**1.6E-9***	115,640	2.10E-06
rs73729083 (*CREB3L2*)	7:137559799	0.11/0.04/0.02/0	C: 0.05	TRANS, AFR	LDL/ ES,CS	84,091	-3.7	0.66	-0.37	0.95	0.53	**1.3E-14***	35,909	**2.00E-10**
rs10101067 (*EYA1*)	8:72407374	0.04/0.07/0.13/0.06	C: 0.08	TRANS	TRIG/ CS	317,809	0.014	0.0025	-0.0092	0.0053	0.069	**4.1E-08**	102,263	2.10E-06
rs4758675 (*B3GNT4*)	12:122691738	0.02/0/0/0	C: 0.02	AFR	TRIG/ CS	12,982	-0.13	0.025	-0.029	0.057	0.85	**1.3E-08**	11,875	**3.60E-08**

*Abbreviations: African ancestry (AFR), Current Smoking (CS), European ancestry (EUR), Ever-Smoking (ES), Trans-ancestry (TRANS), Triglycerides (TRIG). [1]Listed variants represent the lead associations within 1 MB region for the 2 and 1 degree of freedom tests of the variant × smoking interaction after excluding variants within 1 MB of known lipids loci. If variant is in/within 2 KB of a gene, that gene name is listed; [2]Frequency of the tested allele in 1000 Genomes data by ancestry: Asian (ASN), Americas (AMR), African (AFR), and European (EUR);[3]If the region was associated with the trait in more than one meta-analysis, the most statistically significant result is listed first and described in table; [4]Bolding indicates genome-wide statistical significance; [5]P-values in this column come from a smoking-adjusted main effect model (available in Stage 1 cohorts only, see Figure 1); *Findings with an asterisk are statistically significant using a stricter p-value threshold, after Bonferroni correction for 2 smoking traits, 2 interaction tests, and ethnic and trans-ethnic testing ($p < 5 \times 10^{-8}/8=6.25 \times 10^{-9}$).*

Table 2: Statistically Significant ($p < 5\times10^{-8}$) Results in Stage 1 Meta-Analysis Unavailable in Stage 2[1]

						Stage 1							
Index Variant (Nearest Gene)[2]	**Bld 37 Chr:Position**	**1000 Genomes Freq[3] AFR/AMR/ASN/EUR**	**Tested Allele: Freq**	**Ancestry**	**Trait/ Exposure**	**n**	**Effect**	**SE**	**Int. Effect**	**SE**	**1df Interaction P-value[3]**	**2df Joint P-value[4]**	**Adj. Main Effect P-value[5]**
rs140602625 (*EXOC6B*)	2:72849325	0.01/0/0/0	C: 0.02	AFR	LDL/ CS	7,755	-3.4	3.1	-35	7.1	1.0E-6	**1.5E-8**	0.018
rs114138886 (*LOC107985905*)	2:84428024	0.02/0/0/0	T: 0.02	AFR	LDL/ CS	7,755	2.4	2.9	-29	5.4	9.3E-8	**4.4E-8**	0.47
rs149776574 (*REEP1*)	2:86472455	0.01/0.08/0/0.06	G: 0.02	AFR	TRIG/ CS	7,756	-0.048	0.033	0.40	0.069	**4.2E-10***	**5.1E-10***	0.88
rs143396479 (*LOC105374426/TMEM33*)	4:41911366	0.02/0/0/0	A: 0.01	AFR	LDL/ ES	10,912	-16.0	2.6	15	4.5	0.022	**6.8E-9**	0.0094
rs148187465 (*MARCH1*)	4:164639694	0.01/0/0/0	C: 0.01	AFR	LDL/ CS	7,755	-2.1	3.0	-32	6.2	3.7E-7	**4.9E-9***	0.032
rs76687692 (*G3BP1*)	5:151189283	0.03/0/0/0	A: 0.01	AFR	LDL/ CS	9,418	2.7	3.2	25	5.5	0.0013	**4.8E-9***	0.0016
rs73339842 *(LINC01938)*	5:164967406	0.02/0.01/0/0	G: 0.02	AFR	TRIG/ CS	7,756	0.046	0.033	-0.41	0.071	**8.5E-9**	**3.3E-8**	0.96
rs115580718 (*BMP6*)	6:7880037	0.02/0/0/0	G: 0.01	AFR	TRIG/ CS	7,756	-0.12	0.036	-0.29	0.082	0.00045	**1.2E-9***	1.6E-6
rs17150980 (*MAGI2*)	7:78173734	0/0.12/0.45/0.01	C: 0.03	AFR	TRIG/ ES	12,972	-0.17	0.028	0.24	0.044	7.5E-8	**1.4E-9***	0.085
rs116592443 (*LYZL2*)	10:30884890	0.02/0/0/0	A: 0.01	AFR	TRIG/ CS	7,756	0.073	0.038	-0.46	0.081	**1.8E-8**	1.2E-7	0.76
rs115628664 (*UNC5B*)	10:72899880	0.03/0/0/0	G: 0.01	AFR	TRIG/ CS	7,756	0.027	0.040	-0.39	0.071	**4.7E-8**	**6.7E-9***	0.44
rs183911507 (*TP53I11*)	11:44978366	0.01/0/0/0	G: 0.02	AFR	TRIG/ CS	10,287	-0.043	0.029	0.33	0.059	**1.7E-8**	6.5E-8	0.82
rs199771018 (*STOML3*)	13:39507838	0.02/0/0/0	T: 0.02	AFR	HDL/ CS	7,756	-0.019	0.019	0.23	0.037	**1.2E-9***	**6.3E-10***	0.55
rs190976513 (*LOC105370255*)	13:71114207	0.02/0.01/0/0	A: 0.02	AFR	LDL/ CS	10,234	-5.1	2.6	-20	5.2	9.3E-5	**3.2E-8**	1.1E-4
rs182600360 (*LOC105370531*)	14:63607120	0.02/0/0/0	A: 0.02	AFR	LDL/ CS	7,755	6.6	3.3	-39	7.1	**4.4E-8**	3.3E-7	0.56
rs62064821 (*CCT6B*)	17:33280904	0.01/0.04/0/0.06	T: 0.01	AFR	LDL/ CS	10,234	8.5	3.3	-30	5.5	**3.1E-8**	6.0E-7	0.17

*Abbreviations: African ancestry (AFR), Current Smoking (CS), Ever-Smoking (ES), Triglycerides (TRIG). [1]All loci have some evidence for interaction (p<0.05 for 1df test of interaction); thus, results not categorized into "Loci with Evidence for Interaction" or "Probable Main Effects (without evidence for interaction)"; [2]Listed variants represent the lead associations within 1 MB region for the 2 and 1 degree of freedom tests of the variant × smoking interaction after excluding variants within 1 MB of known lipids loci. If variant is in/within 2 KB of a gene, that gene name is listed; [3]Frequency of the tested allele in 1000 Genomes data by ancestry: Asian (ASN), Americas (AMR), African (AFR), and European (EUR); [4]Bolding indicates genome-wide statistical significance; [5]P-values in this column come from a smoking-adjusted main effect model (available in Stage 1 cohorts only, see Figure 1). *Findings with an asterisk indicate statistical significance using a stricter p-value threshold, after Bonferroni correction for 2 smoking traits, 2 interaction tests, and ethnic and trans-ethnic testing ($5 \times 10^{-8}/8 = 6.25 \times 10^{-9}$).*

Online Methods

Details regarding motivation and methodology of this and other projects of the CHARGE Gene-Lifestyle Interactions Working Group are available in our recently published methods paper[11], and detailed information on study design can be found in the Life Sciences Reporting Summary.

Participants

Analyses included men and women between 18 and 80 years of age of European (EUR), African (AFR), Asian (ASN), Hispanic (HISP), and (in stage 2 only) Brazilian (BR) ancestry. Participating studies are described in **Supplementary Materials**, with further details of sample sizes, trait distribution, and data preparation available in **Supplementary Tables 1-6**. Considerable effort was expended to engage as many studies of diverse ancestry as possible. This work was approved by the Washington University in St. Louis Institutional Review Board and complies with all relevant ethical regulations. Each study obtained informed consent from participants and received approval from the appropriate institutional review boards.

Phenotypes

Analyses evaluated the concentrations of high-density lipoprotein cholesterol (HDL), low-density lipoprotein cholesterol (LDL), and triglycerides. LDL could be either directly assayed or derived using the Friedewald equation (if triglycerides ≤ 400 mg/dL and individuals were fasting for at least 8 hours). Lipid-lowering drug use was defined as any use of a statin drug or any unspecified lipid-lowering drug after 1994 (when statin use became common). If LDL was directly assayed, adjustment for lipid-lowering drug was performed by dividing the LDL value by 0.7. If LDL was derived using the Friedewald equation, total cholesterol was first adjusted for lipid-lowering drug use (total cholesterol/0.8) before calculation of LDL by the Friedewald equation. No adjustments were made for any other lipid medication, nor were adjustments made to HDL or triglycerides for medication use. If samples were from individuals who were non-fasting (fasting ≤ 8 hours), then neither triglycerides nor calculated LDL were used. Both HDL and triglycerides were natural log-transformed, while LDL remained untransformed. In the event that multiple measurements of lipids were available (i.e.

in a longitudinal study), analysts selected the visit for which data were available for the largest number of participants, and the measurement from that visit was included in analyses.

Environmental Exposure Status

Smoking variables evaluated were current smoking status (yes/no) and ever smoking status (yes/no). Current smokers were included in the exposed group for both of these variables, and never smokers were included in the unexposed group for both of these variables. Former smokers were included in the unexposed group for the current smoking variable and the exposed group for the ever-smoking variable. Smoking variables were coded as 0/1 for unexposed/exposed groups.

Genotype Data

Genotyping was performed by each participating study using genotyping arrays from either Illumina (San Diego, CA, USA) or Affymetrix (Santa Clara, CA, USA). Each study conducted imputation using various software. The cosmopolitan reference panel from the 1000 Genomes Project Phase I Integrated Release Version 3 Haplotypes (2010-11 data freeze, 2012-03-14 haplotypes) was specified for imputation and used by most studies, with some using the HapMap Phase II reference panel instead. Only variants on the autosome and with MAF of at least 0.01 were considered. Specific details of each participating study's genotyping platform and imputation software are described (**Supplementary Tables 3** and **6).** Genotype was coded as the dosage of the imputed genetic variant, coded additively (0,1,2).

Stage 1 Analysis

Stage 1 genome-wide interaction analyses included 29 cohorts contributing data from 51 study/ancestry groups and up to 133,805 individuals of EUR, AFR, ASN, and HISP ancestry (**Supplementary Tables 1-3**). All cohorts ran three models in all individuals: a main effect model, a model adjusted for smoking, and an interaction model that included a multiplicative interaction term between the variant and smoking status (**Figure 1**). Additionally, the main effect model was run stratified by smoking exposure. All models were run for 3 lipids traits (HDL, LDL, and triglycerides) and 2

smoking exposures (current smoking and ever smoking). Thus, each study/ancestry group completed 30 GWAS (using 5 models × 3 traits × 2 exposures).

All models were adjusted for age, sex, and field center (as appropriate). Principal components derived using genotyped SNPs were included based on the study analyst's discretion. All AFR cohorts were requested to include at least the first principal component, and 71% of AFR cohorts used multiple PCs (with 25% using 10 PCs). The average number of PCs used was 4.2. Additional cohort-specific covariates could be included if necessary to control for other potential confounding factors. Studies including participants from multiple ancestry groups conducted and reported analyses separately by ancestry. Participating studies provided the estimated genetic main effect and robust estimates of standard error for all requested models. In addition, for the models with an interaction term, studies also reported the interaction effects and robust estimates of their standard errors, and a robust estimate of the corresponding covariance matrix between the main and interaction effects. To obtain robust estimates of covariance matrices and robust standard errors, studies with only unrelated participants used R packages; either sandwich or ProbABEL. If the study included related individuals, either generalized estimating equations (R package geepack) or linear mixed models (GenABEL, MMAP, or R) were used. Sample code provided to studies to generate these data has been previously published (see Supplementary Materials [11]).

Extensive quality control (QC) was performed using EasyQC[49] on study-level (examining the results of each study individually), and then on ancestry-level (examining all studies within each ancestry group together). Study-level QC consisted of exclusion of all variants with MAF < 0.01, extensive harmonization of alleles, and comparison of allele frequencies with ancestry-appropriate 1000 Genomes reference data. Ancestry-level QC included the compilation of summary statistics on all effect estimates, standard errors and p-values across studies to identify potential outliers, and production of SE-N and QQ plots to identify analytical problems (such as improper trait transformations)[50]. Variants were excluded from ancestry-specific meta-analyses for an imputation score < 0.5; the same threshold was implemented regardless of imputation software, as imputation quality measures are shown to be similar across software[51]. Additionally, variants were excluded if the minimum of the minor allele count in the exposed or unexposed

groups × imputation score was less than 20. To be included in meta-analyses, each variant had to be available from at least 3 studies or 5,000 individuals contributing data.

Meta-analyses were conducted for all models using the inverse variance-weighted fixed effects method as implemented in METAL. We evaluated both a 1 degree of freedom test of interaction effect (1df) and a 2 degree of freedom joint test of main and interaction effects (2df), following previously published methods[9]. A 1df Wald test was used to evaluate the 1df interaction, as well as the main effect and the smoking-adjusted main effect in models without an interaction term. A 2df Wald test was used to jointly test the effects of both the variant and the variant x smoking interaction[52]. Meta-analyses were conducted within each ancestry separately, and then trans-ancestry meta-analyses were conducted on all ancestry-specific meta-analyses. Genomic control correction was applied before all meta-analyses.

Variants that were associated in any analysis at $p \leq 10^{-6}$ were carried forward for analysis in Stage 2. A total of 17,921 variants from 519 loci (defined by physical distance +/- 1 MB) were selected for Stage 2 analyses.

Stage 2 Analysis

Variants selected for Stage 2 were evaluated in 50 cohorts, with data from 75 separate ancestry/study groups totaling up to 253,467 individuals (**Supplementary Tables 4-6**). In addition to the 4 ancestry groups listed above, stage 2 analyses also included studies of Brazilian (BR) individuals. BR were considered only in the trans-ancestry meta-analyses, since there were no stage 1 BR results for meta-analysis. In stage 2, variants were evaluated only in a model with the interaction term (**Figure 1**).

Study- and ancestry-level QC was carried out as in stage 1. In contrast to stage 1, no additional filters were included for the number of studies or individuals contributing data to stage 2 meta-analyses, as these filters were implemented to reduce the probability of false positives, and were less relevant in stage 2. Stage 2 variants were evaluated in all ancestry groups and for all traits, no matter what specific meta-analysis met the p-value threshold in the stage 1 analysis. Genomic control was not applied to stage 2 meta-analyses, given the expectation of association. To ensure quality of analyses, all quality control and meta-analyses of replication data were completed independently by analysts at two

different institutions (ARB and JLB [NIH], EL, XD, and CTL [Boston University]), with differences resolved through consultation.

Meta-Analyses of Stages 1 and 2

Given the increased power of combined meta-analysis of stage 1 and 2 results compared with a discovery and replication strategy[53], combined stage 1 and 2 meta-analyses were carried out for all the selected variants . We report variants significant at 5×10^{-8} as well as those significant at Bonferroni correction for 2 smoking traits, 2 interaction tests, and ancestry-specific and trans-ancestry testing, with p-value of 6.25×10^{-9} ($5 \times 10^{-8}/8$). Loci that are significant at the stricter p-value are identified in main tables. Loci were defined based on physical distance (+/- 1 MB) and are described by the index variant (*i.e.* the most statistically significant variant within each locus). Novelty was determined by physical distance (+/- 1 MB) from known lipids loci compiled from large meta-analyses[1-5,12]. False Discovery Rate q values were determined using EasyStrata to implement the Benjamini-Hochberg method of calculation. Results were visualized using R 3.1.0, including the package 'forestplot' (**Supplementary Figures 3** and **4**), and LocusZoom v1.4 (**Supplementary Figure 5**) for regional association plots.

Smoking Dose Analysis

To further characterize these associations, we evaluated an interaction between smoking dose and a few of the observed novel loci. While smoking dose data was not available for many of the included studies, we conducted secondary analysis on smoking dose interaction in a subset of loci in our two largest AFR studies: WHI-SHARE and ARIC. We identified 4 loci from our main results (*LOC105378783*, *CNTNAP2*, *MIR4686*, *DGCR8*) for follow-up based on the following criteria: an interaction locus (as opposed to a probable main effect), stronger association observed among smokers compared to non-/never-smokers, the presence of contributing cohort(s) with smoking dose variables available and with $p < 0.05$ for reported result (to ensure sufficient power for analysis). We investigated these 4 loci using 3 methods of characterizing cigarettes per day: a quantitative variable, a categorical variable based on meaningful dose levels (less than a half a pack, between a half a pack and a pack, and more than a pack per day), and binary variable defined by the median of cigarettes per day in that cohort. Dose variables were defined separately by smoking status,

such that cigarettes per day for former smokers were set to 0 for variables defined for current smokers, while the cigarettes per day for both current and former smokers were quantified when defined for ever smokers. Statistical significance was set at $p < 0.0021$, Bonferroni correction for investigation of 4 loci, 3 smoking dose variables, and 2 smoking status exposures.

Conditional Analyses

To assess independence of novel loci from established lipids loci, we conducted conditional analyses using GCTA. GCTA's conditional and joint analysis option (COJO) calculates approximate conditional and joint association analyses based on summary statistics from a GWAS meta-analysis and individual genotype data from an ancestry-appropriate reference sample (for LD estimation). For novel loci from predominantly AFR meta-analyses, the LD reference set included unrelated AFR from HUFS, CFS, JHS, ARIC, and MESA (total N = 8,425). For novel loci from predominantly EUR meta-analyses, the LD reference set included unrelated EUR from ARIC (total N = 9,770). Excluding HUFS, these data were accessed through dbGaP (ARIC phs000280.v2.p1, phs000090.v2.p1; CFS phs000284.v1.p1; JHS phs000286.v4.p1, phs000499.v2.p1; and MESA phs000209.v13.p1, phs000420.v6.p3) and imputed to 1000 Genomes phase 1 v. 3 using the Michigan Imputation Server[54] For loci with a $p < 5 \times 10^{-8}$ for the 1df test of interaction, results from stage 1 and 2 meta-analyses were adjusted for all known lipids loci. A method for running conditional analyses for 2df tests has not been implemented within GCTA, therefore we evaluated loci with a $p < 5 \times 10^{-8}$ for the 2df joint test of main and interaction effects by conditioning stage 1 stratified analyses on known lipids loci (stratified analyses were not conducted in stage 2 studies). The conditioned 2df joint test of main and interaction effects was then calculated using EasyStrata[50] on the conditioned stratified results.

Power Calculations for Detecting Interactions at Known Lipids Loci

To better contextualize our lack of detection of an interaction at a known locus, we conducted power calculations under a variety of scenarios. We explored the power to detect both an interaction and a main effect, making assumptions based on our data, as the sample sizes achieved in this project are comparable to the largest main effect GWAS for lipids[1,5]. Using previously developed analytical power formulas[55], we evaluated three interaction scenarios: a pure

interaction effect (no effect in non-smokers and a positive effect in current smokers), a quantitative interaction (effects in the same direction across strata, but of different magnitude), and a qualitative interaction (effects in opposite directions and of different magnitude). We assumed stage 1 + 2 sample sizes and 19% prevalence of smoking (as in our data). For the purposes of illustration, we assumed relatively large effects which explain 0.06% of the variance in the lipid trait; the median variance explained from known lipid loci, as estimated from a previous publication (their Supplemental Table 1)[2], is 0.04%.

Proportion of Variance Explained

To evaluate the proportion of the variance explained by our novel associations, we conducted additional analyses of our variants of interest in cohorts of diverse ancestries (**Supplementary Table 16**). In each of 10 studies from 4 ancestries (EUR, AFR, ASN, and HISP), we ran a series of nested regression models to determine the relative contribution of each set of additional variables. The first model included only standard covariates (age, sex, center, principal components, etc.). The second model additionally included smoking status (both current and ever smoking). The third added known variants[1-5,12]. The fourth model added all novel variants, and the last model also included interaction terms for novel variants. For the purposes of this analysis, novel variants included the lead variant for each genome-wide significant locus in the meta-analyses of stages 1 and 2 (**Table 1**) and that were significant but only available in stage 1 meta-analyses (**Table 2**). By subtracting the r^2 values from each of these nested regression models, the proportion of variance explained by the additional set of variables was determined. We conducted these analyses using two approaches. In Approach 1, all variants with MAF ≥ 0.01 and imputation quality ≥ 0.3 were included in regression models. While the imputation quality threshold used for the main analyses (≥ 0.5) was higher in order to reduce the risk of spurious associations, we selected a lower threshold for this secondary analysis to maximize the number of variants of interest included. In Approach 2, to avoid possible overfitting, stepwise regression was used for variant selection, such that only variants that were associated ($p < 0.05$) were retained in the model. All variants were considered in models for each trait and ancestry, regardless of the trait or ancestry in which the association was identified.

Reproducing Previously Reported Lipids Associations

To evaluate the degree to which our data confirmed previous associations, we evaluated statistically significant associations reported from recent large meta-analyses[1-5,12]. In the event of overlap between reports, the most statistically significant variant-trait association was considered, for a total of 346 unique associations for 269 variants. Output from our main effect models (stage 1) was extracted for all ancestries for each previously reported variant-trait combination. Reproducibility was determined by $p < 0.05$ in any ancestry and a consistent direction of effect (**Supplementary Table 17**).

Functional Inference

To evaluate the degree to which our novel variants might influence other cardiometabolic traits, we extracted our novel variants (**Tables 1** and **2**) from previous studies. **Supplementary Tables 19-24** present the association of these variants with coronary artery disease and myocardial infarction, using data from the CARDIoGRAM consortium[56]; neurological traits, using data from the Neurology Working Group of the CHARGE Consortium; anthropometry, using data from the GIANT consortium [57-59]; adiposity × smoking interaction, using data from the GIANT consortium[60]; diabetes and related traits, using data from MAGIC[61], AAGILE[62], and DIAGRAM[63,64]; and kidney outcomes, using data from the COGENT-Kidney consortium[65].

To conduct functional annotation of our novel variants (**Supplementary Tables 18, 25-27**), we used NCBI Entrez gene (see URLs) for gene information, dbSNP to translate positions to human genome build 38, HaploReg (v4.1) and RegulomeDB for gene expression and regulation data from ENCODE and RoadMap projects, and GTEx v7.0 for additional gene expression information. We also investigated our novel variants in *cis*- and *trans*-eQTL data based on analysis of the whole blood of Framingham Heart Study participants[66].

Pathway and Gene Set Enrichment Analyses

We conducted DEPICT analyses[13] based on genome-wide significant ($p< 5 \times 10^{-8}$) variants separately for the three traits HDL, LDL and triglycerides (**Supplementary Tables 28-37**). To obtain input for the prioritization and enrichment analyses, DEPICT first created a list of non-overlapping loci by applying a combined distance and LD based threshold (500 KB

flanking regions and LD $r^2 > 0.1$) between the associated variants and the 1000 Genomes reference data. DEPICT then obtained lists of overlapping genes by applying an LD based threshold ($r^2 > 0.5$) between the non-overlapping variants and known functional coding or cis-acting regulatory variants for the respective genes. Finally, the major histocompatibility complex region on chromosome 6 (base position 25,000,000 - 35,000,000) was removed from further analyses. DEPICT prioritized genes at associated regions by comparing functional similarity of genes across associated loci using a gene score that was adjusted for several confounders, such as gene length. Utilizing lead variants from 500 pre-compiled null GWAS the scoring step was repeated 50 times to obtain an experiment-wide FDR for the gene prioritization. Second, DEPICT conducted gene-set enrichment analyses based on a total of 14,461 pre-compiled reconstituted gene sets. The reconstituted gene sets involve 737 Reactome database pathways, 2,473 phenotypic gene sets (derived from the Mouse Genetics Initiative)[67], 184 Kyoto Encyclopedia of Genes and Genomes (KEGG) database pathways, 5,083 Gene Ontology database terms, and 5,984 protein molecular pathways (derived from protein-protein interactions[68]). Third, DEPICT conducted tissue and cell type enrichment analyses based on expression data in any of the 209 MeSH annotations for 37,427 microarrays of the Affymetrix U133 Plus 2.0 Array platform. In addition, we used STRING database for identifying protein x protein interactions.

Data Availability

All summary results will be made available in dbGaP (phs000930.v7.p1).

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Editorial summary:
A multi-ancestry genome-wide gene-smoking interaction study identifies 13 new loci associated with serum lipids.

Fig. 1

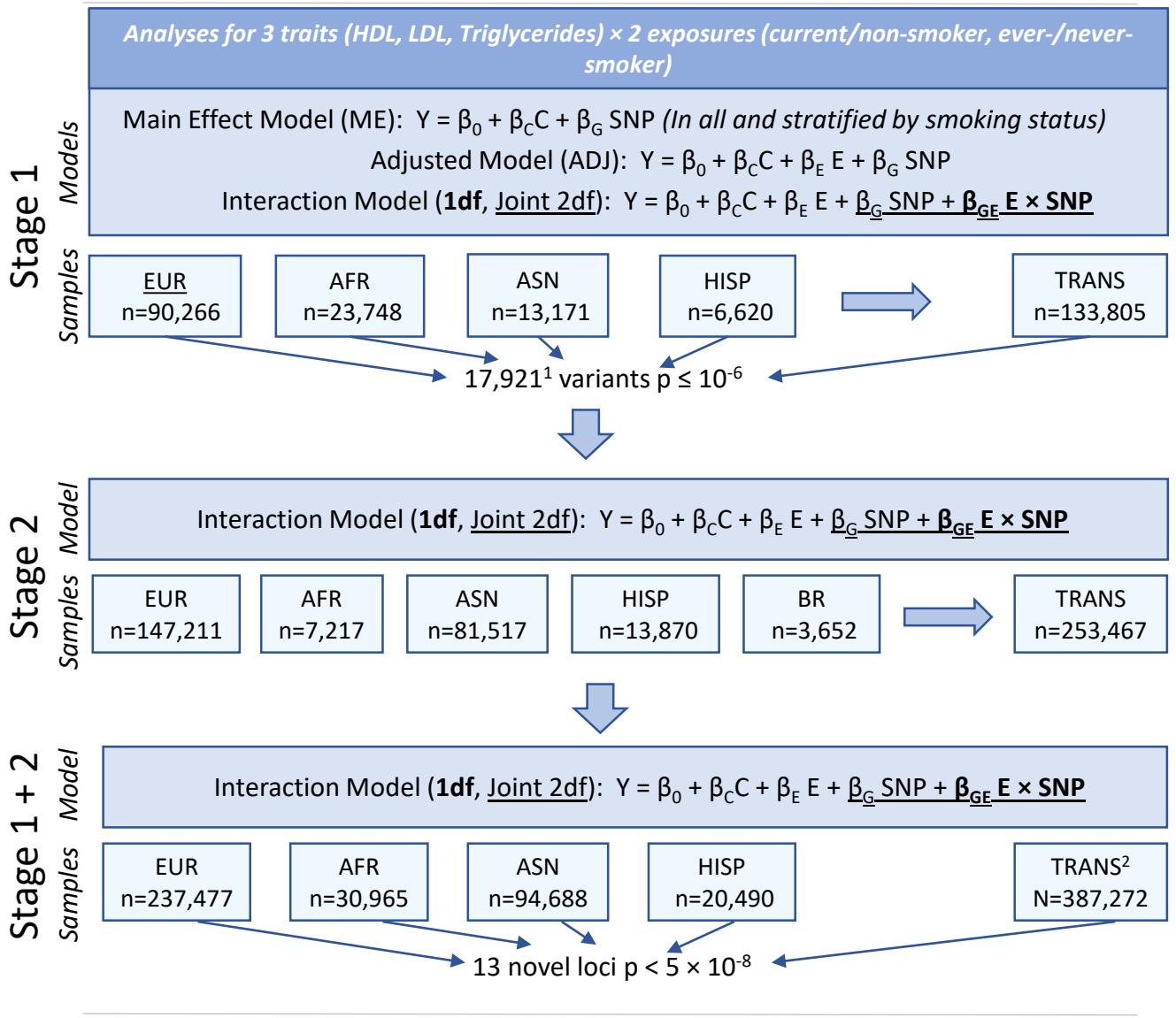

Analyses for 3 traits (HDL, LDL, Triglycerides) × 2 exposures (current/non-smoker, ever-/never-smoker)
Stage 1
Models
Main Effect Model (ME): Y = β0 + βCC + βG SNP (In all and stratified by smoking status)
Adjusted Model (ADJ): Y = β0 + βCC + βE E + βG SNP
Interaction Model (1df, Joint 2df): Y = β0 + βCC + βE E + βG SNP + βGE E × SNP
Samples
EUR n=90,266
AFR n=23,748
ASN n=13,171
HISP n=6,620
TRANS n=133,805
17,921[1] variants p ≤ 10-6
Stage 2
Model
Interaction Model (1df, Joint 2df): Y = β0 + βCC + βE E + βG SNP + βGE E × SNP
Samples
EUR n=147,211
AFR n=7,217
ASN n=81,517
HISP n=13,870
BR n=3,652
TRANS n=253,467
Stage 1 + 2
Model
Interaction Model (1df, Joint 2df): Y = β0 + βCC + βE E + βG SNP + βGE E × SNP
Samples
EUR n=237,477
AFR n=30,965
ASN n=94,688
HISP n=20,490
TRANS[2] N=387,272
13 novel loci p < 5 × 10-8

Fig. 2

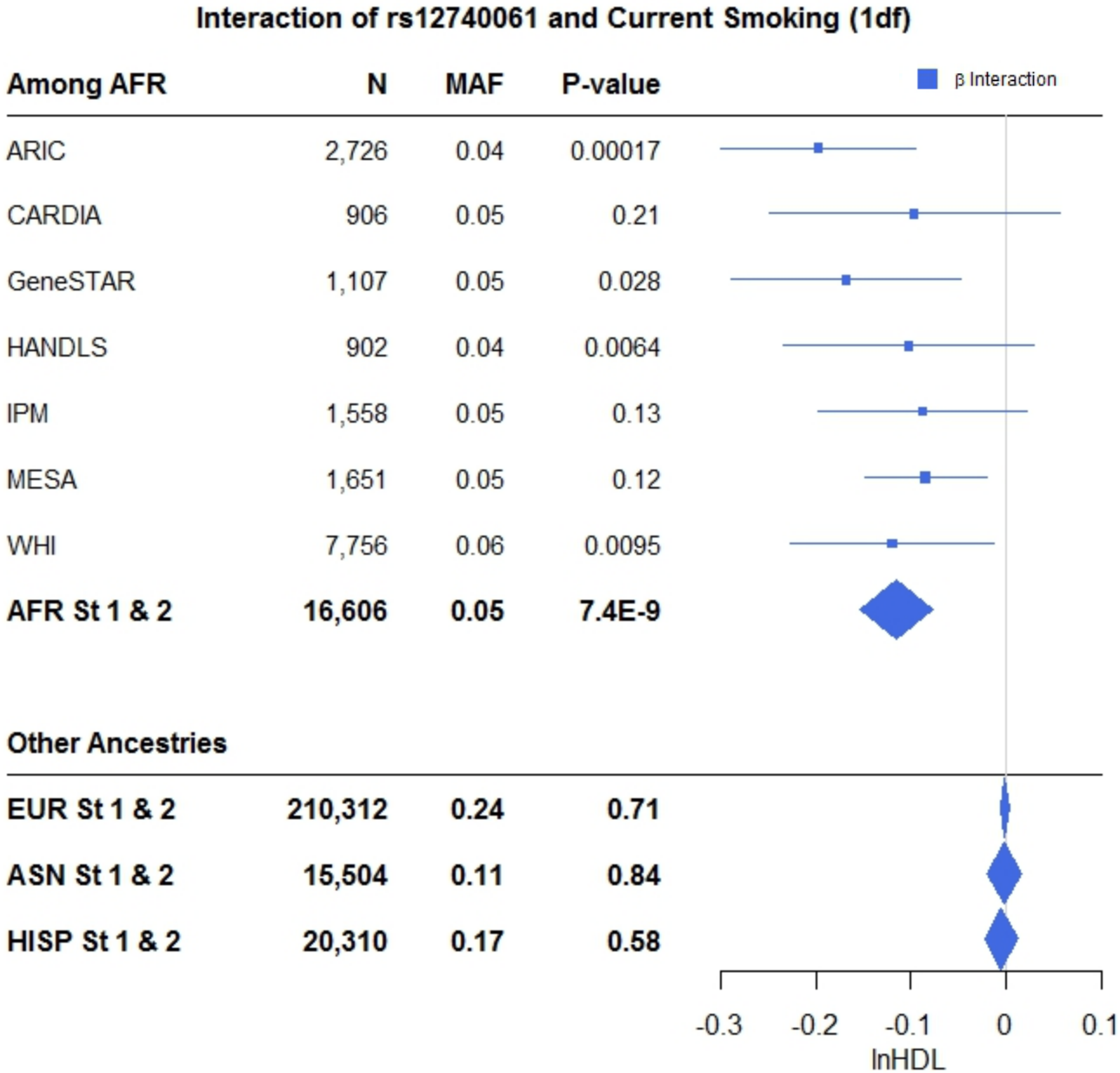

Interaction of rs12740061 and Current Smoking (1df)
Among AFR
N
MAF
P-value
β Interaction
ARIC 2,726 0.04 0.00017
CARDIA 906 0.05 0.21
GeneSTAR 1,107 0.05 0.028
HANDLS 902 0.04 0.0064
IPM 1,558 0.05 0.13
MESA 1,651 0.05 0.12
WHI 7,756 0.06 0.0095
AFR St 1 & 2 16,606 0.05 7.4E-9
Other Ancestries
EUR St 1 & 2 210,312 0.24 0.71
ASN St 1 & 2 15,504 0.11 0.84
HISP St 1 & 2 20,310 0.17 0.58
-0.3
-0.2
-0.1
0
0.1
lnHDL

Fig. 3

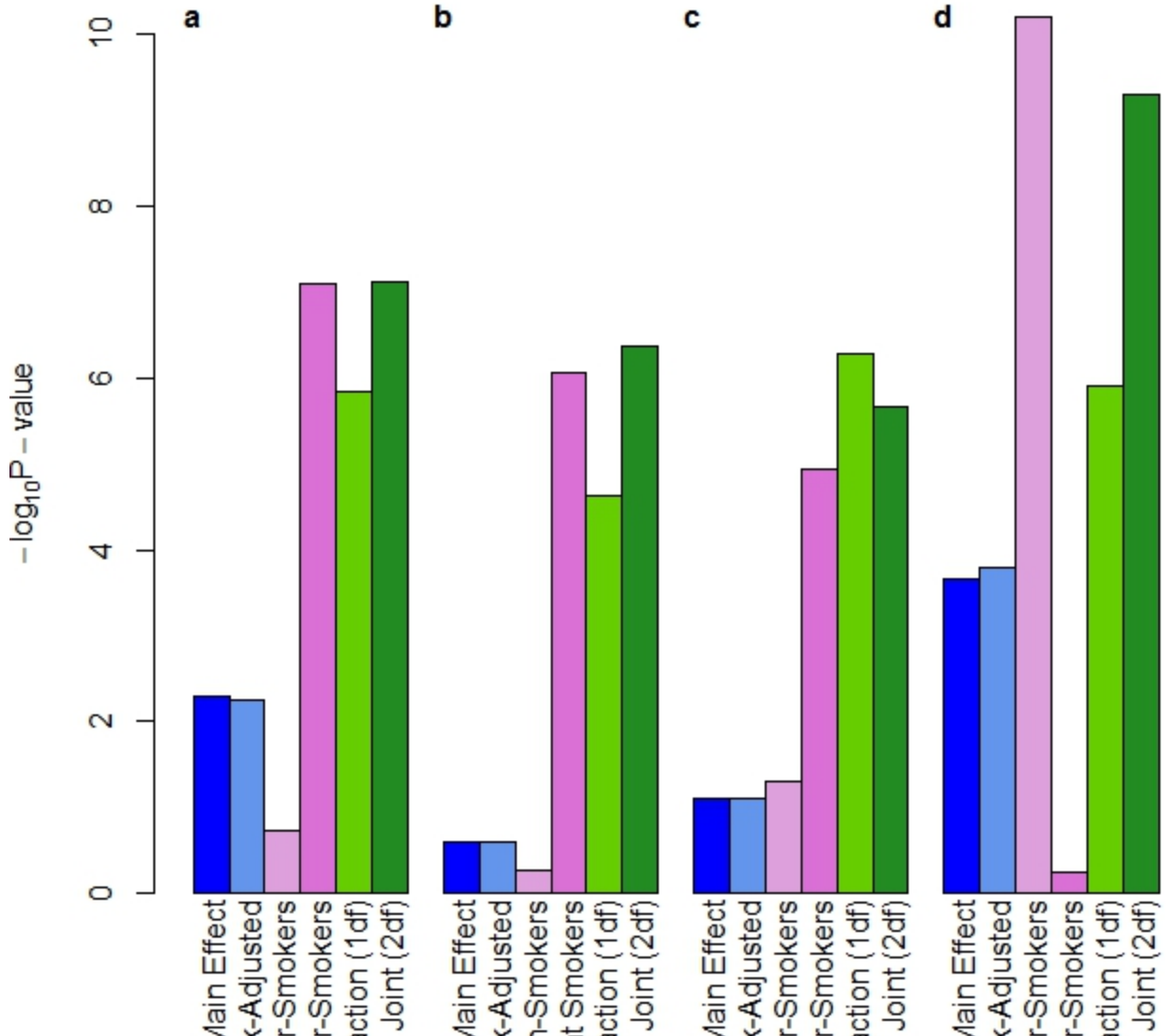
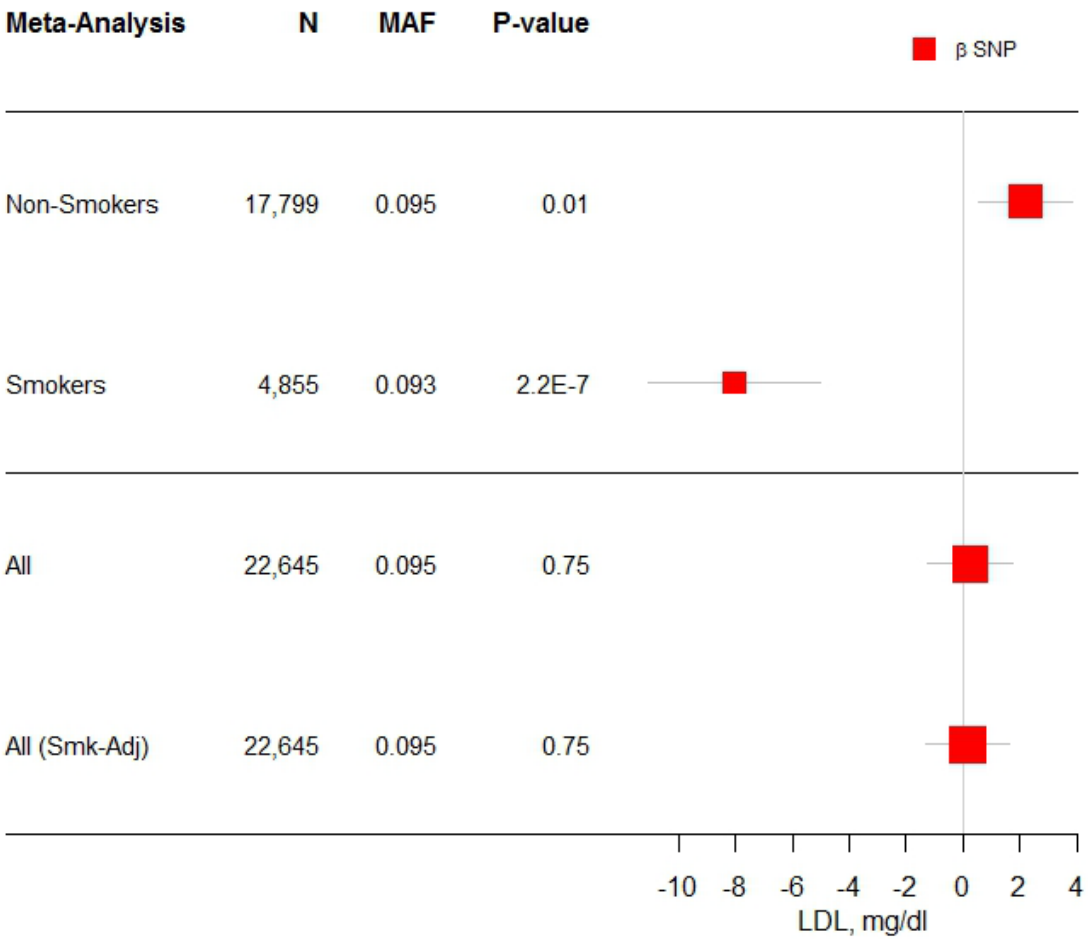
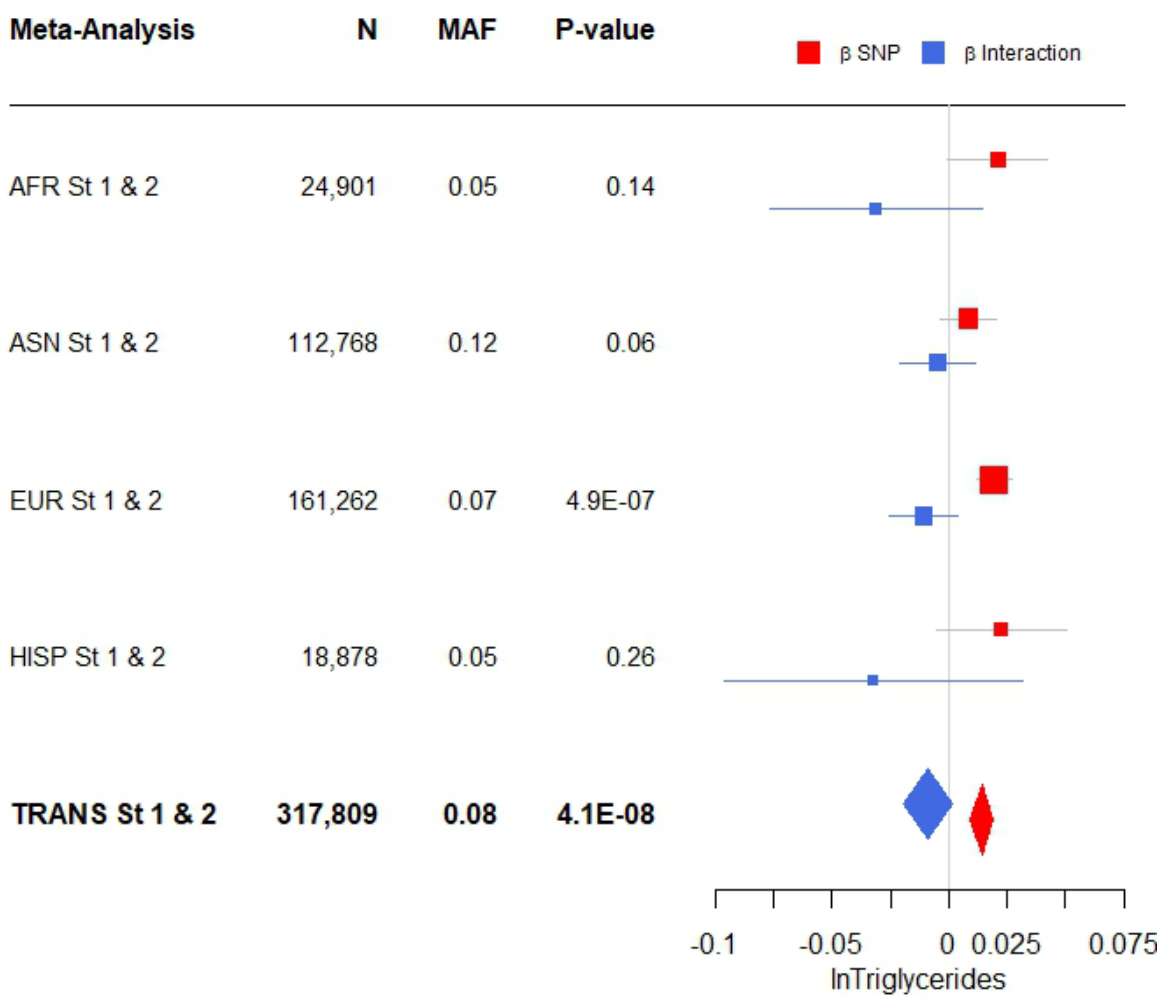

a
b
c
d
$-\log_{10}P-$ value
0
2
4
6
8
10
Main Effect
Smk-Adjusted
Never-Smokers
Ever-Smokers
Interaction (1df)
Joint (2df)
Main Effect
Smk-Adjusted
Non-Smokers
Current Smokers
Interaction (1df)
Joint (2df)
Main Effect
Smk-Adjusted
Never-Smokers
Ever-Smokers
Interaction (1df)
Joint (2df)
Main Effect
Smk-Adjusted
Never-Smokers
Ever-Smokers
Interaction (1df)
Joint (2df)

Fig. 4

a


Meta-Analysis
N
MAF
P-value
β SNP
Non-Smokers 17,799 0.095 0.01
Smokers 4,855 0.093 2.2E-7
All 22,645 0.095 0.75
All (Smk-Adj) 22,645 0.095 0.75
-10 -8 -6 -4 -2 0 2 4
LDL, mg/dl

b


Meta-Analysis
N
MAF
P-value
β SNP
β Interaction
AFR St 1 & 2 24,901 0.05 0.14
ASN St 1 & 2 112,768 0.12 0.06
EUR St 1 & 2 161,262 0.07 4.9E-07
HISP St 1 & 2 18,878 0.05 0.26
TRANS St 1 & 2 317,809 0.08 4.1E-08
-0.1 -0.05 0 0.025 0.075
lnTriglycerides

Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids

Supplementary Material

TABLE OF CONTENTS

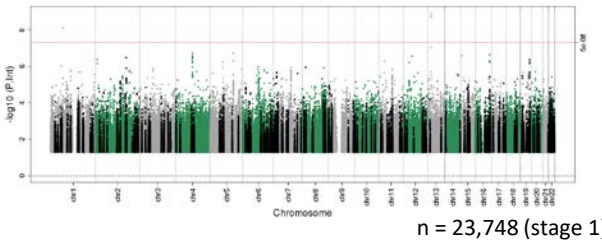
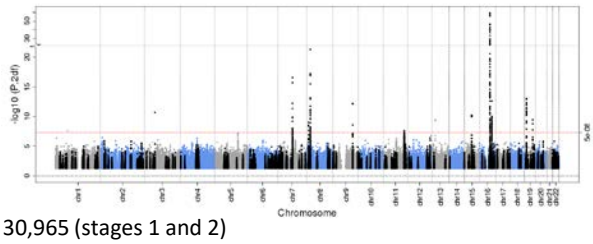
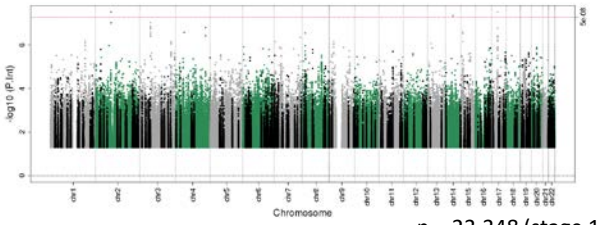
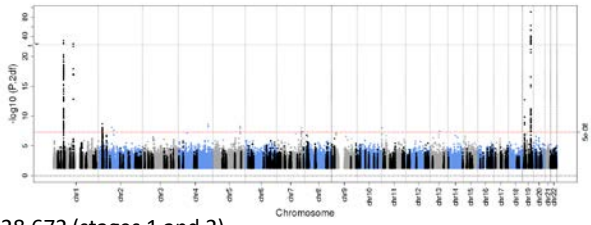
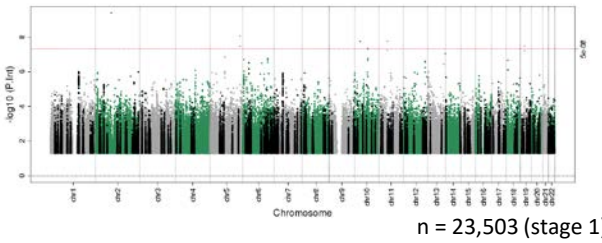
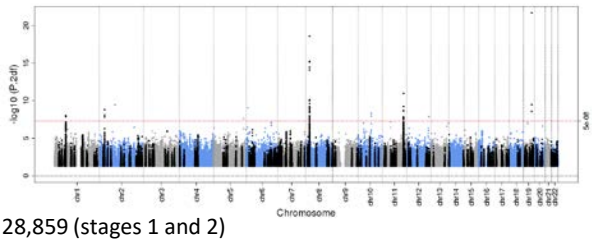
Supplementary Figure 1

Manhattan Plots. Shown are the genome-wide results for linear regression models of lipids traits that include both the variant and a variant × smoking status interaction term, adjusted for age, sex, PCs, study-specific covariates (as necessary) and smoking status. Shown are the p values for the 1df interaction test and the 2df joint test of interaction and main effect. Points shaded in black are within 1 MB of known lipids loci. Plots are drawn from genome-wide stage 1 results with stage 1 and 2 results added where available (i.e. for those variants that were included in follow-up).

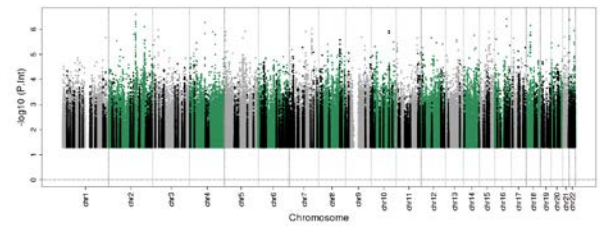
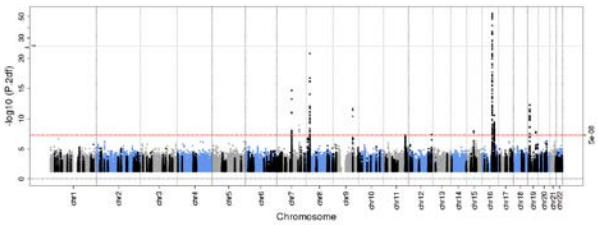
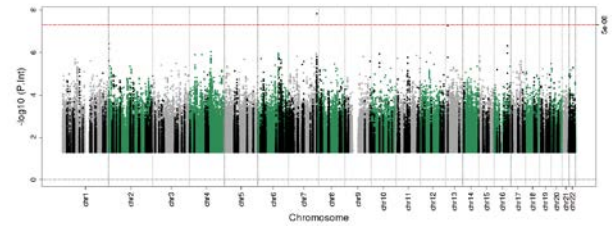
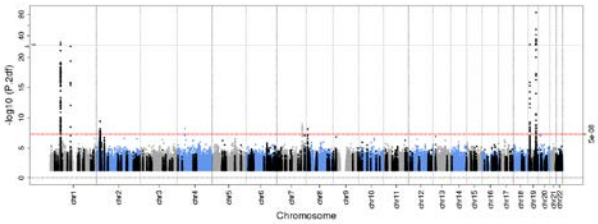
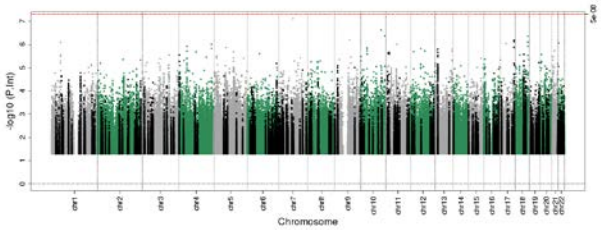
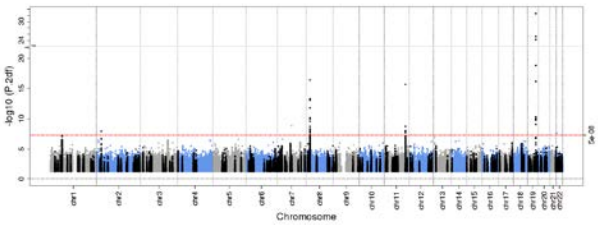
Supplementary Figure 1

African Ancestry

Current Smoking

	1df Test of Interaction	2df Joint Test of Main Effect and Interaction
HDL		
	n = 23,748 (stage 1) and 30,965 (stages 1 and 2)	
LDL		
	n = 23,348 (stage 1) and 28,672 (stages 1 and 2)	
Triglycerides		
	n = 23,503 (stage 1) and 28,859 (stages 1 and 2)	

Ever Smoking

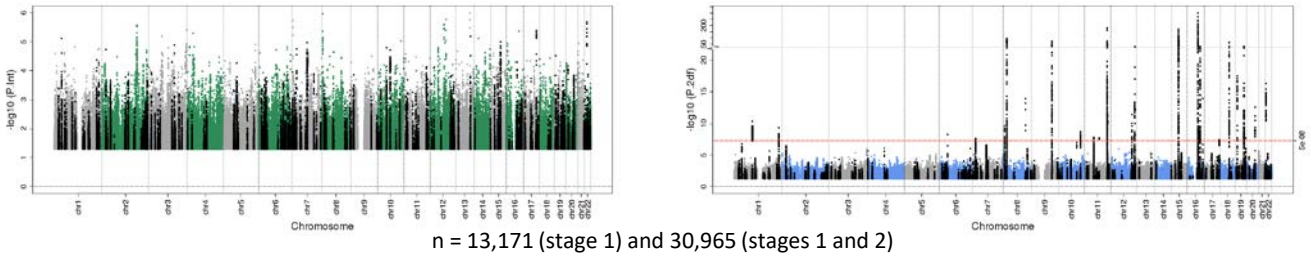
HDL		
	n = 23,753 (stage 1) and 29,365 (stages 1 and 2)	
LDL		
	n = 23,353 (stage 1) and 27,071 (stages 1 and 2)	
Triglycerides		
	n = 23,508 (stage 1) and 27,258 (stages 1 and 2)	

Asian Ancestry

Current Smoking

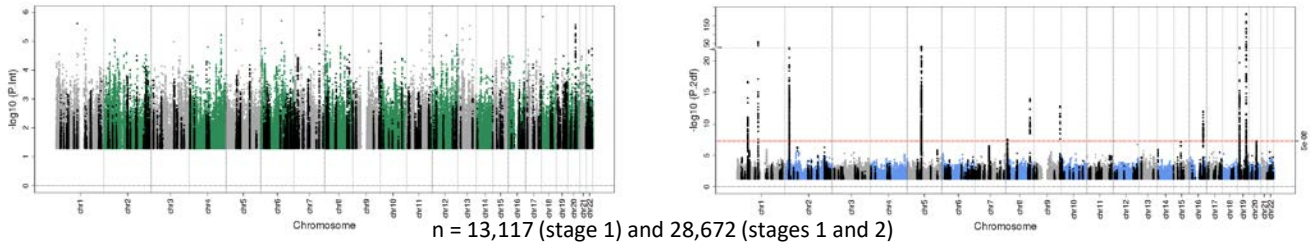
1df Test of Interaction | 2df Joint Test of Main Effect and Interaction

HDL



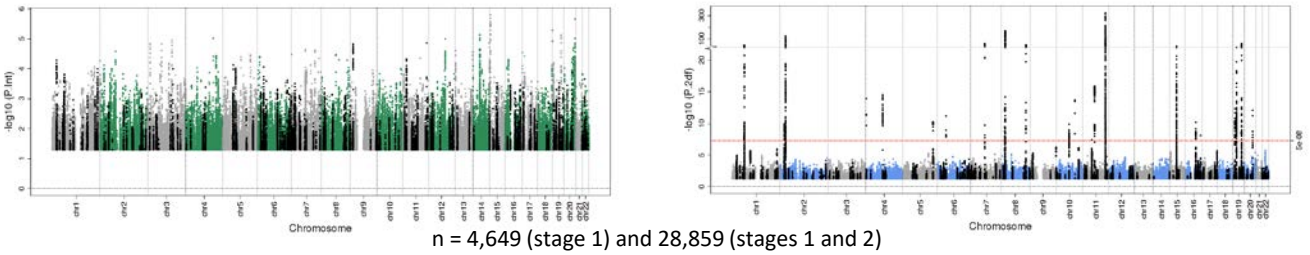
n = 13,171 (stage 1) and 30,965 (stages 1 and 2)

LDL



n = 13,117 (stage 1) and 28,672 (stages 1 and 2)

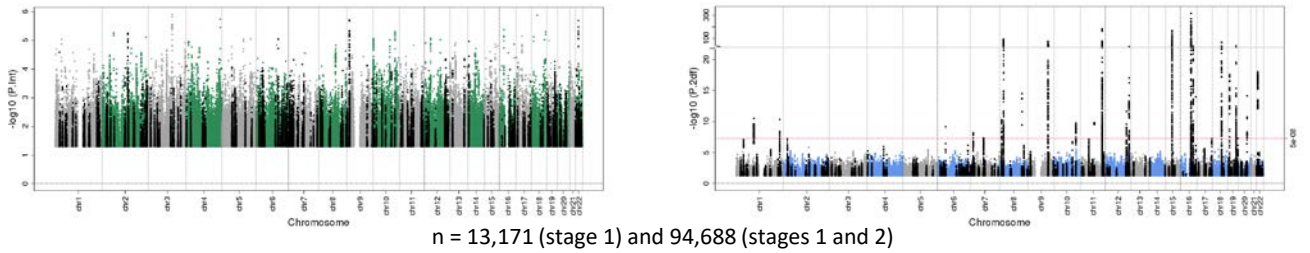
Triglycerides



n = 4,649 (stage 1) and 28,859 (stages 1 and 2)

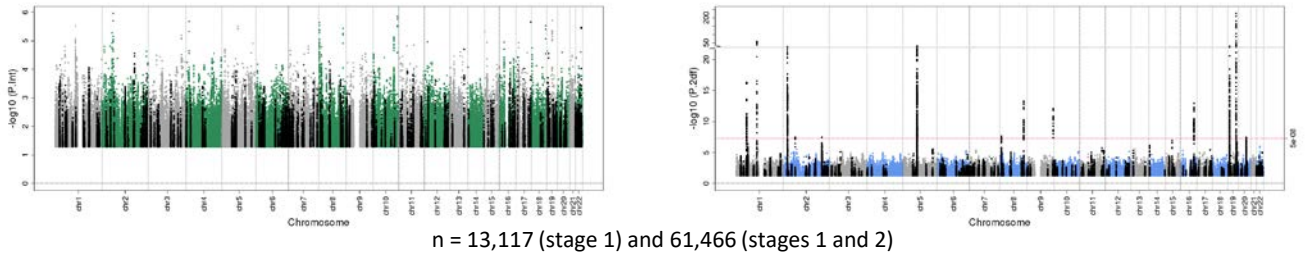
Ever Smoking

HDL



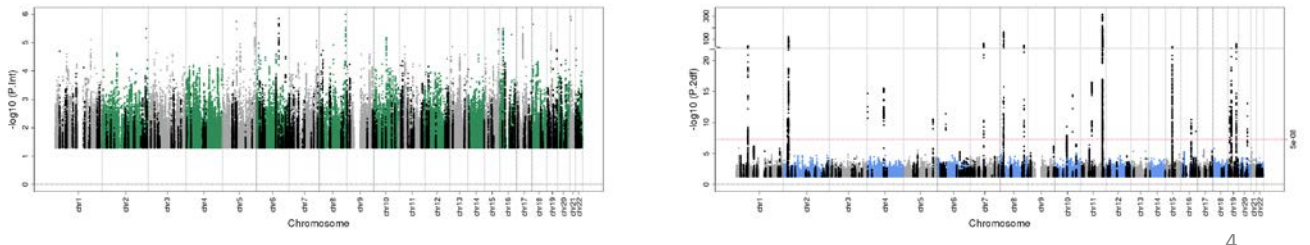
n = 13,171 (stage 1) and 94,688 (stages 1 and 2)

LDL



n = 13,117 (stage 1) and 61,466 (stages 1 and 2)

Triglycerides



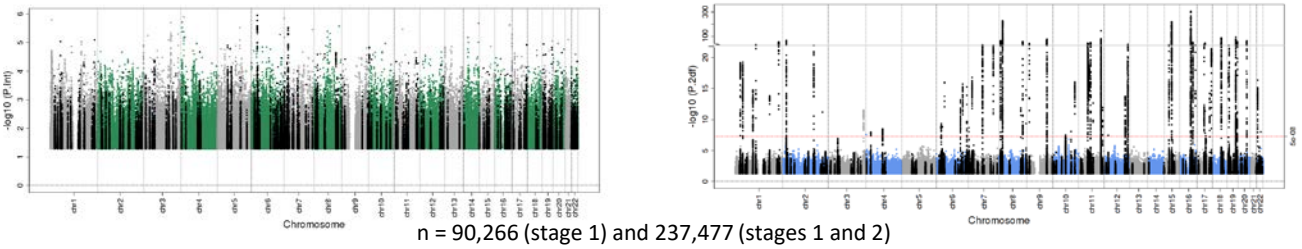
n = 4,649 (stage 1) and 116,570 (stages 1 and 2)

European Ancestry

Current Smoking

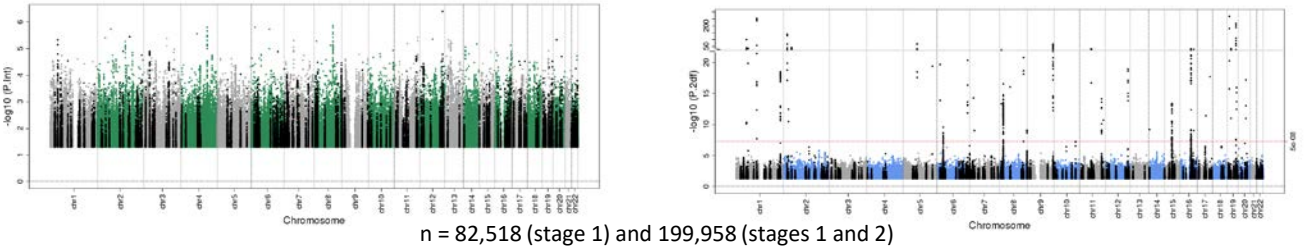
1df Test of Interaction | 2df Joint Test of Main Effect and Interaction

HDL



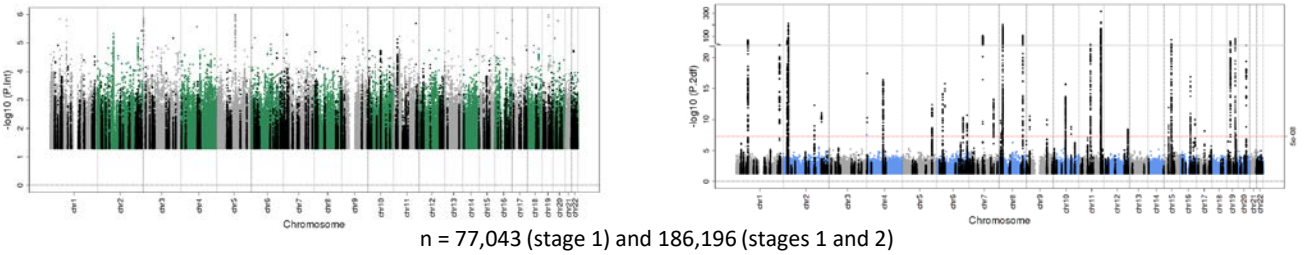
n = 90,266 (stage 1) and 237,477 (stages 1 and 2)

LDL



n = 82,518 (stage 1) and 199,958 (stages 1 and 2)

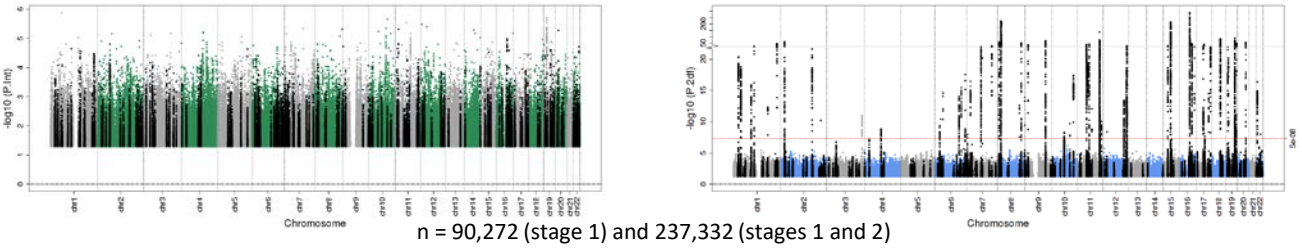
Triglycerides



n = 77,043 (stage 1) and 186,196 (stages 1 and 2)

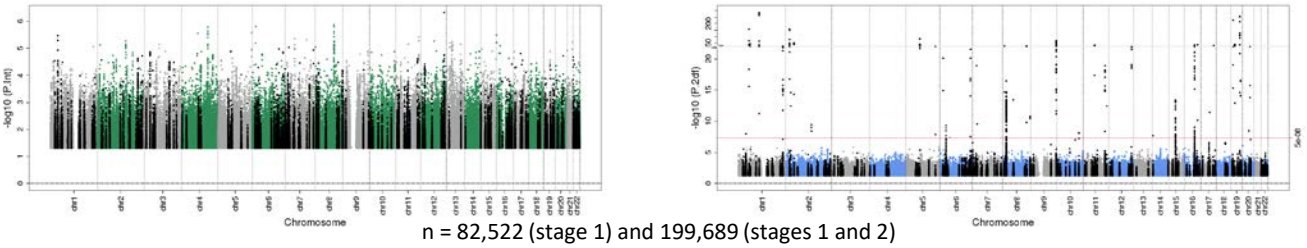
Ever Smoking

HDL



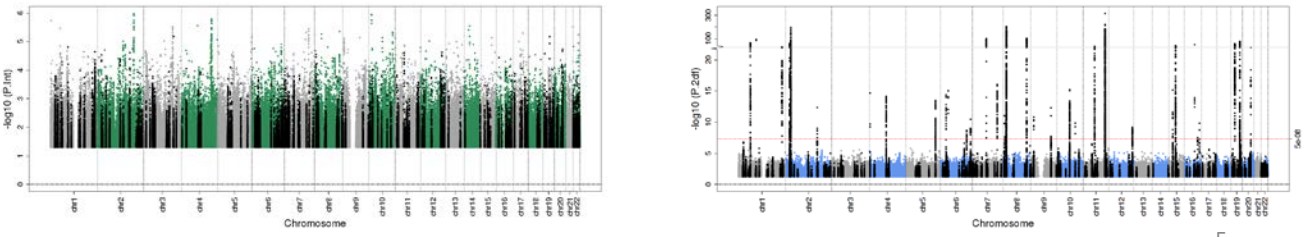
n = 90,272 (stage 1) and 237,332 (stages 1 and 2)

LDL



n = 82,522 (stage 1) and 199,689 (stages 1 and 2)

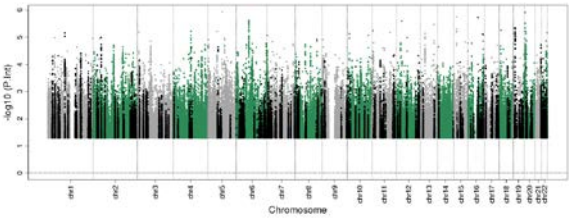
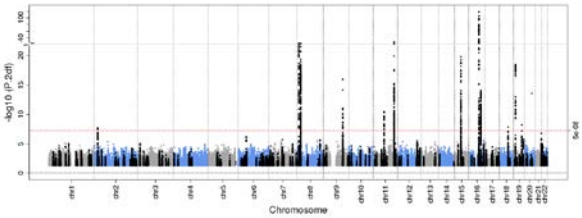
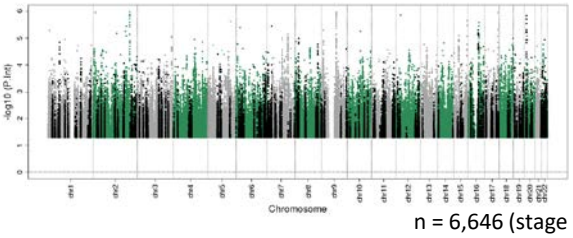
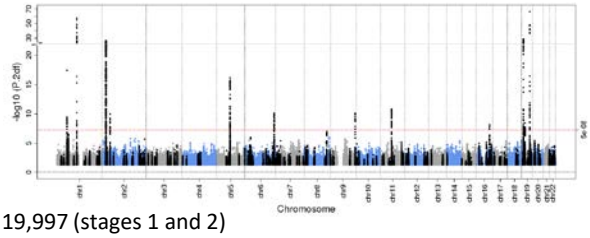
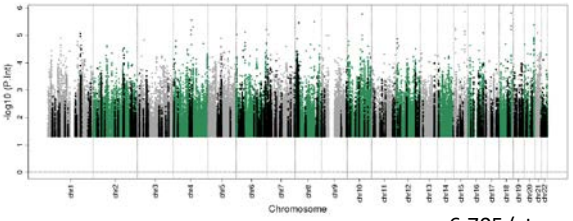
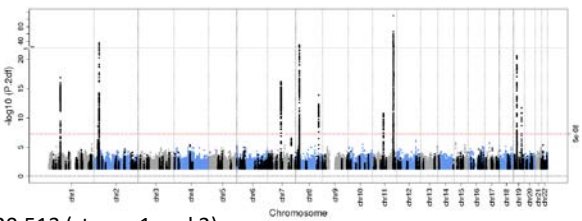
Triglycerides



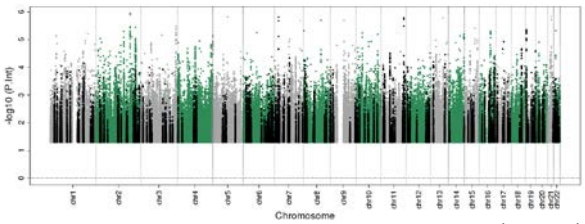
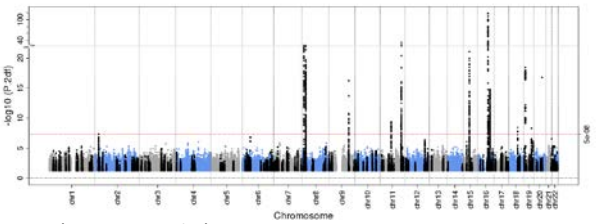
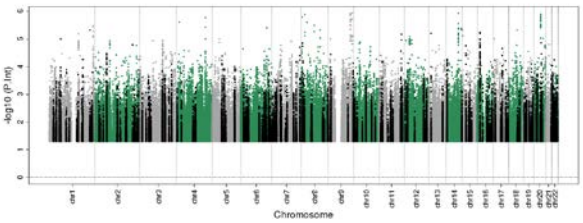
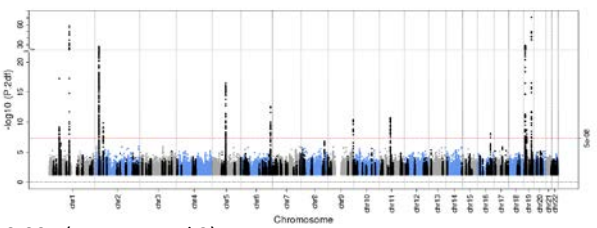
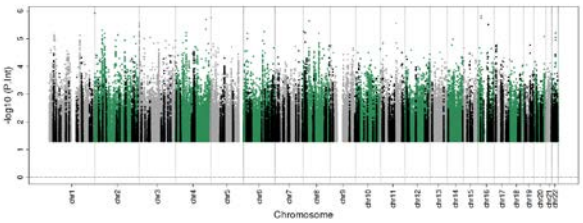
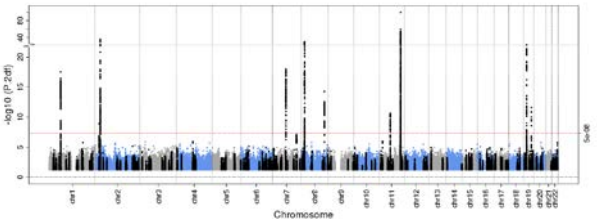
n = 77,047 (stage 1) and 185,638 (stages 1 and 2)

Hispanic Ancestry

Current Smoking

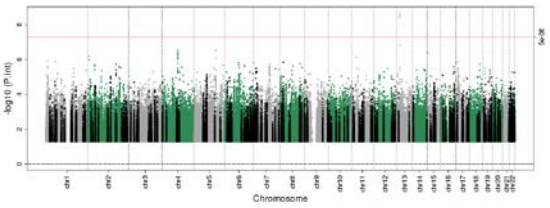
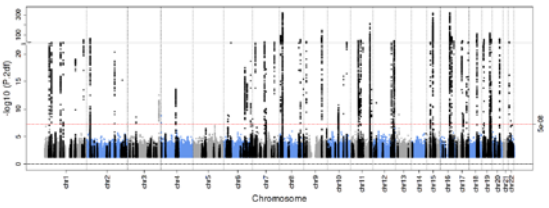
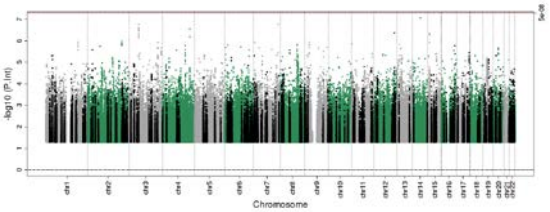
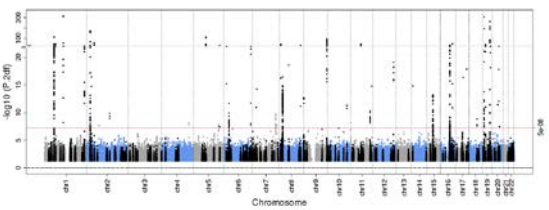
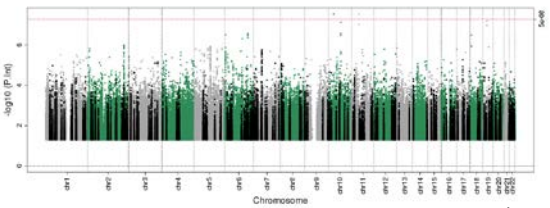
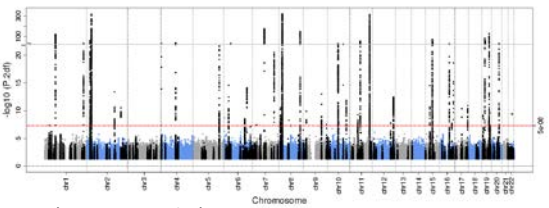
	1df Test of Interaction	2df Joint Test of Main Effect and Interaction
HDL		
	n = 6,620 (stage 1) and 20,490 (stages 1 and 2)	
LDL		
	n = 6,646 (stage 1) and 19,997 (stages 1 and 2)	
Triglycerides		
	n = 6,705 (stage 1) and 20,513 (stages 1 and 2)	

Ever Smoking

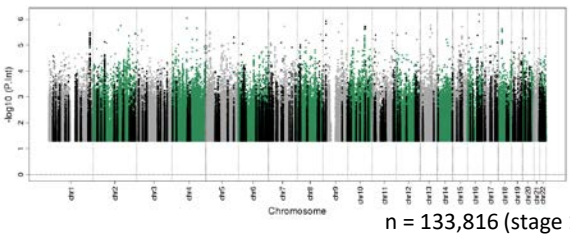
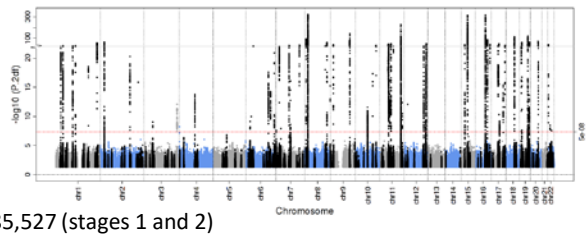
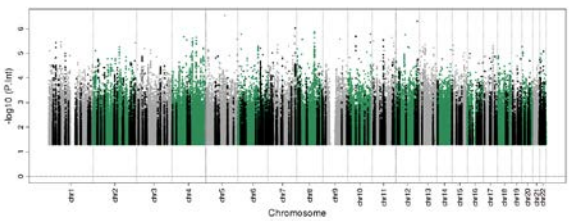
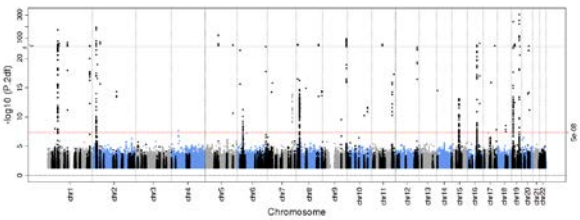
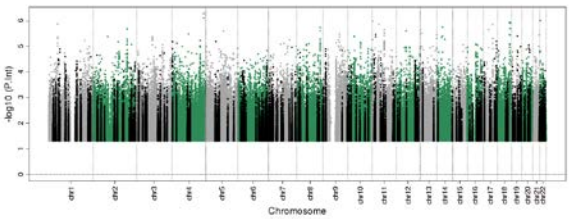
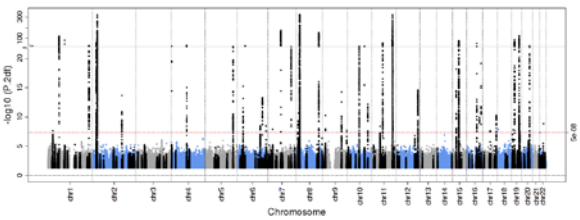
HDL		
	n = 6,620 (stage 1) and 20,490 (stages 1 and 2)	
LDL		
	n = 6,646 (stage 1) and 19,997 (stages 1 and 2)	
Triglycerides		
	n = 6,705 (stage 1) and 20,513 (stages 1 and 2)	

Trans-Ancestry

Current Smoking

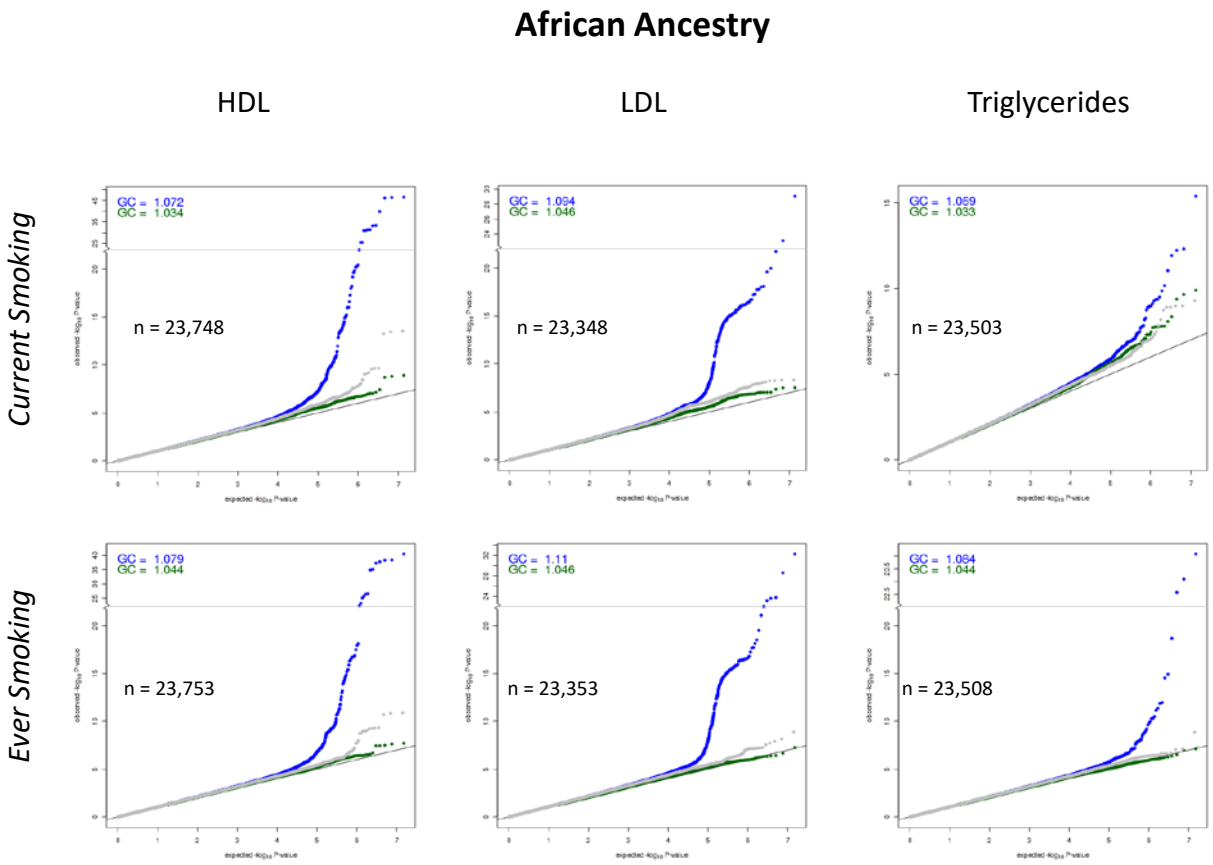
	1df Test of Interaction	2df Joint Test of Main Effect and Interaction
HDL		
	n = 133,805 (stage 1) and 387,272 (stages 1 and 2)	
LDL		
	n = 125,629 (stage 1) and 313,738 (stages 1 and 2)	
Triglycerides		
	n = 111,900 (stage 1) and 353,040 (stages 1 and 2)	

Ever Smoking

HDL		
	n = 133,816 (stage 1) and 385,527 (stages 1 and 2)	
LDL		
	n = 125,638 (stage 1) and 311,868 (stages 1 and 2)	
Triglycerides		
	n = 111,909 (stage 1) and 350,881 (stages 1 and 2)	

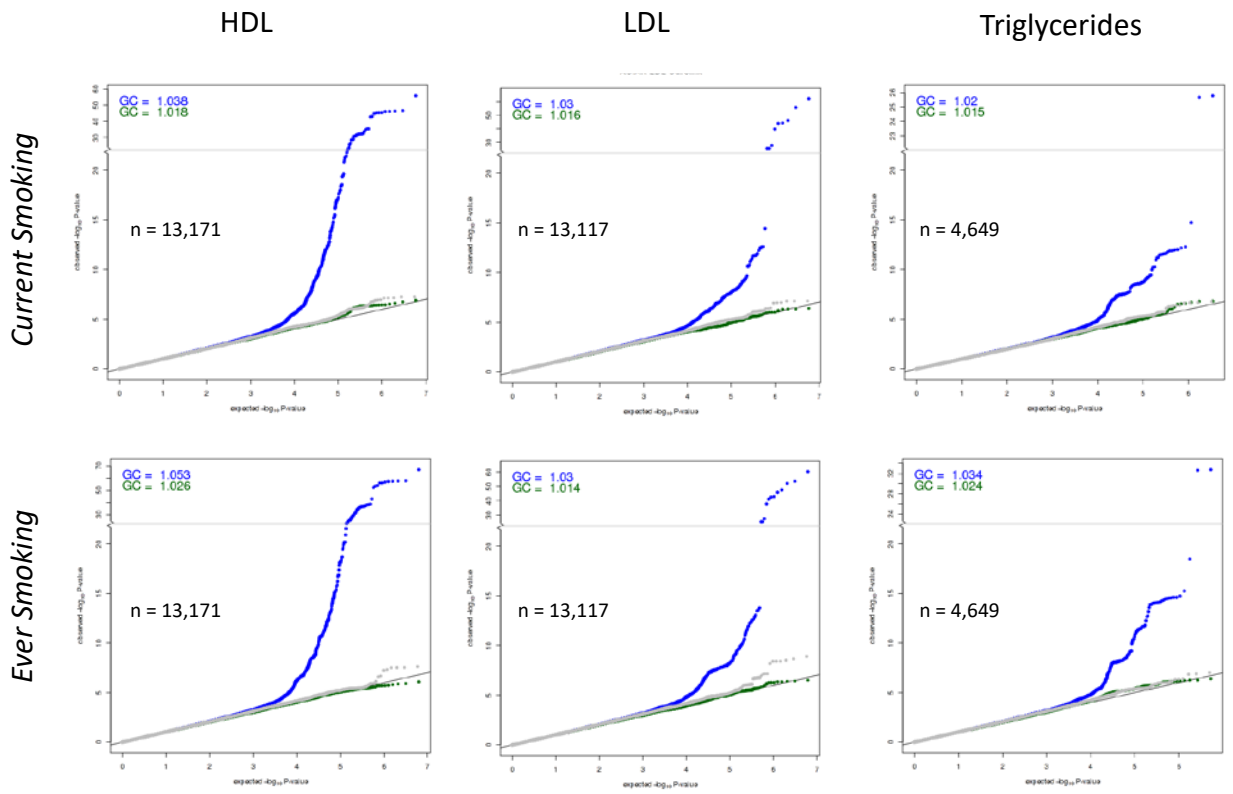
Supplementary Figure 2

QQ Plots. Shown are the p values for the genome-wide stage 1 results for linear regression models of lipids traits that include both the variant and a variant × smoking status interaction term, adjusted for age, sex, PCs, study-specific covariates (as necessary) and smoking status. Shown are the p values for the 2df joint test of interaction and main effect, the 2df joint test after excluding known lipids loci, and the 1df test of interaction. Points shaded in black are within 1 MB of known lipids loci.

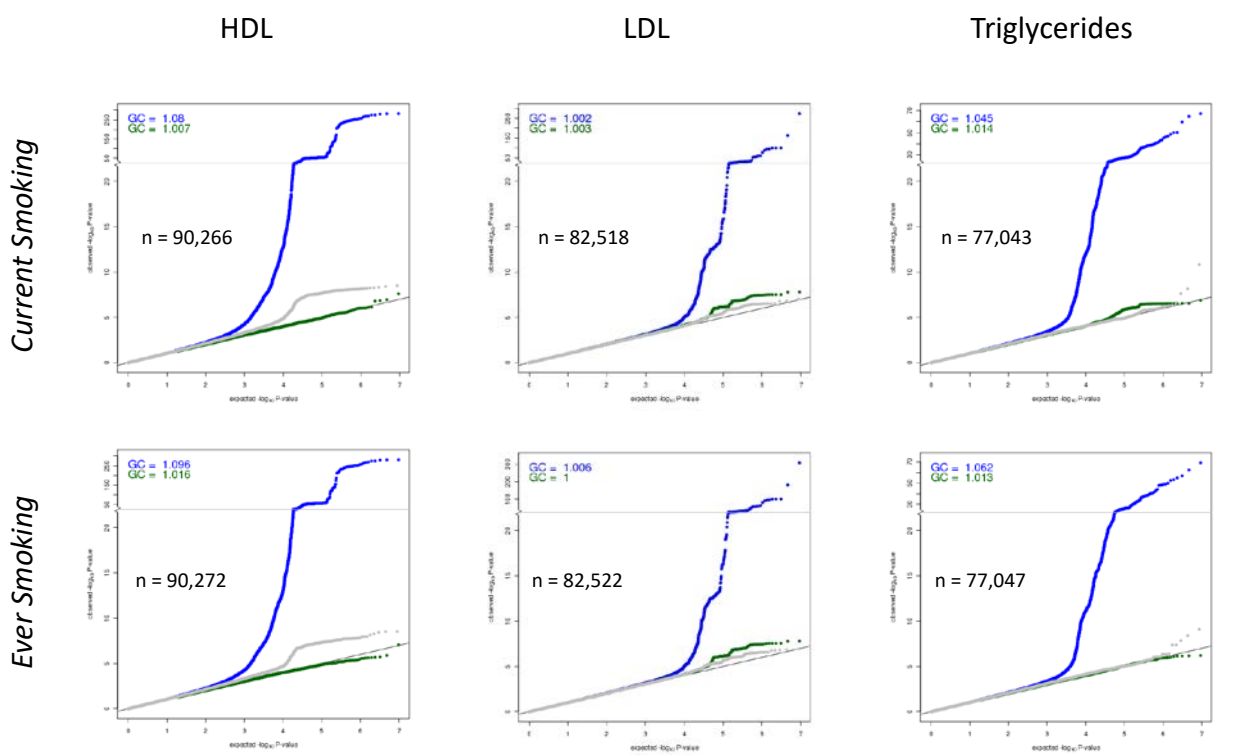


BLUE: 2df test, GRAY: 2df test excluding known loci, GREEN: 1df test

Asian Ancestry

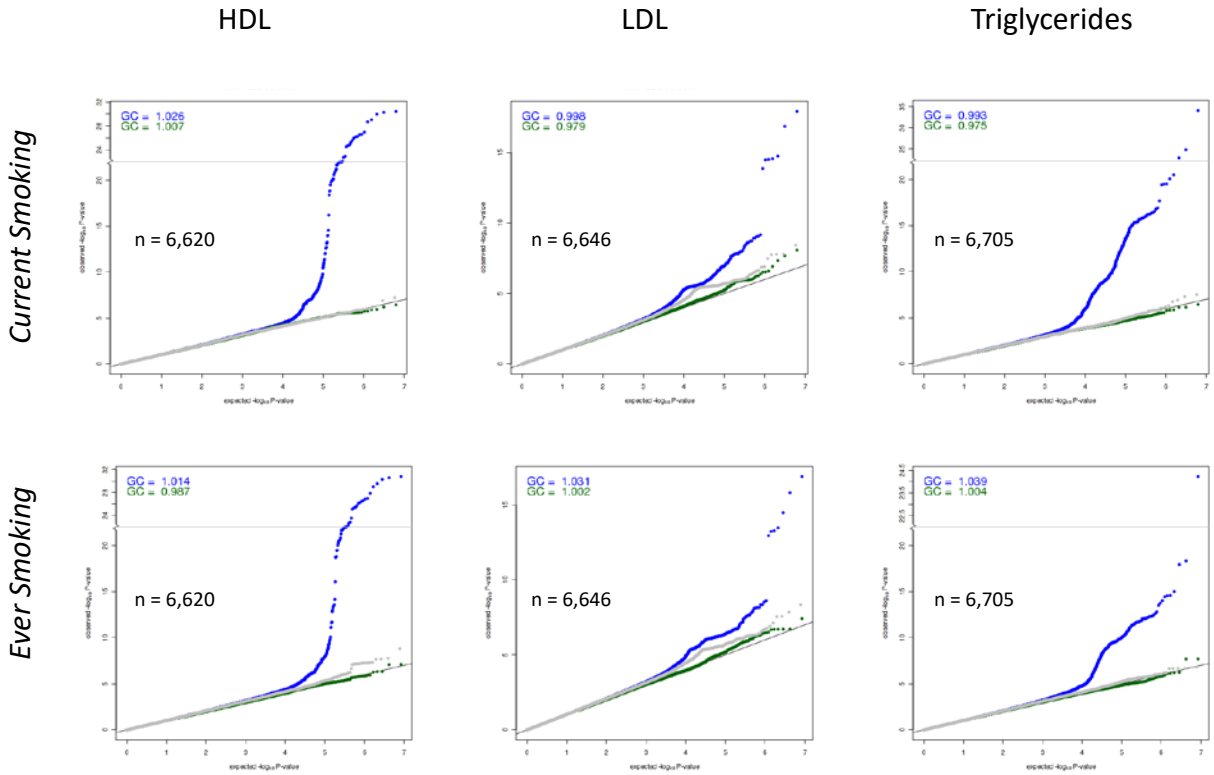


European Ancestry

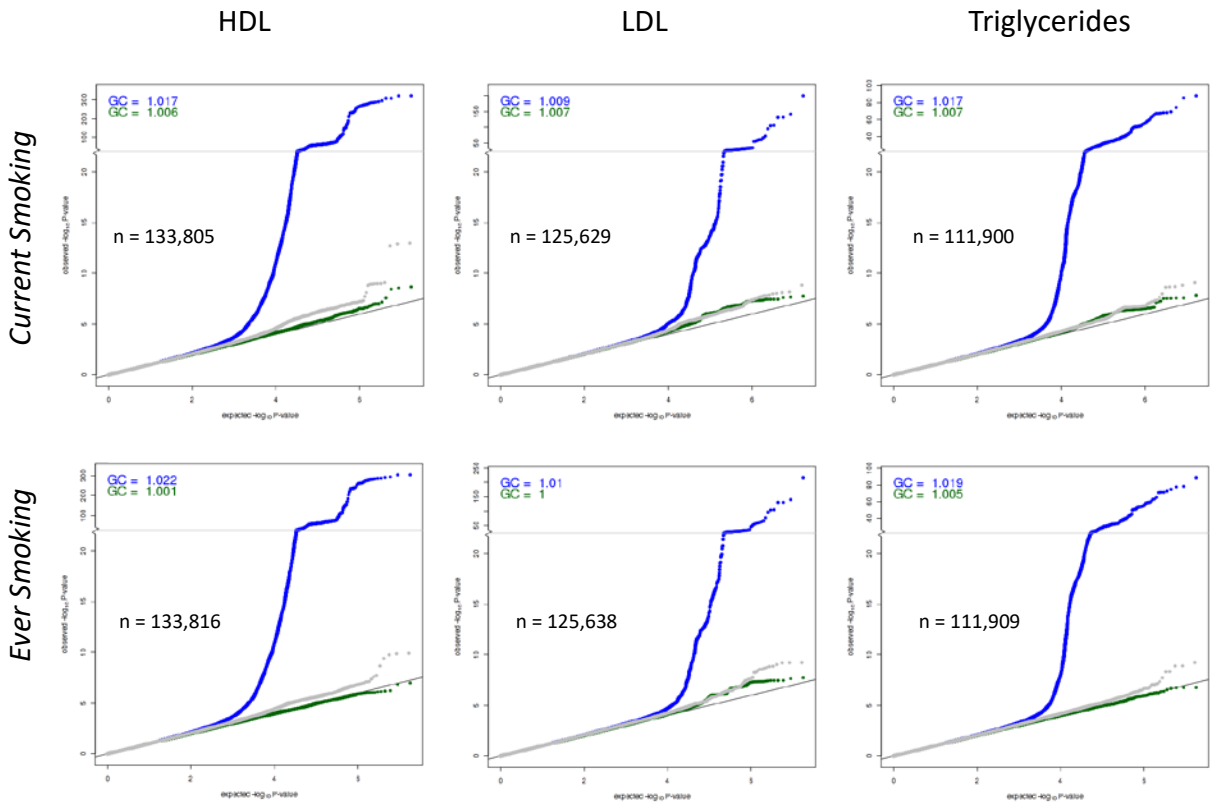


BLUE: 2df test, GRAY: 2df test excluding known loci, GREEN: 1df test

Hispanic Ancestry



Trans-Ancestry

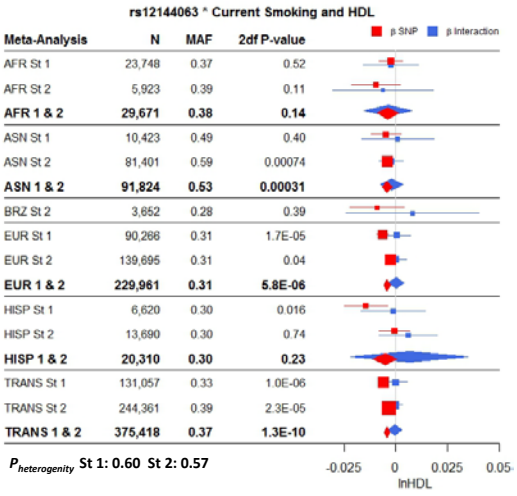


BLUE: 2df test, GRAY: 2df test excluding known loci, GREEN: 1df test

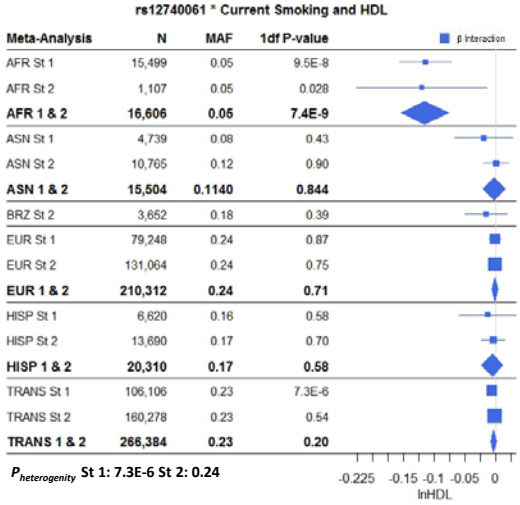
Supplementary Figure 3

Forest Plots of Novel Loci: The results of either the 2df test (β for Interaction and Main Effect shown) or 1df test (only β for Interaction shown), whichever was more statistically significant. 95% confidence intervals included.

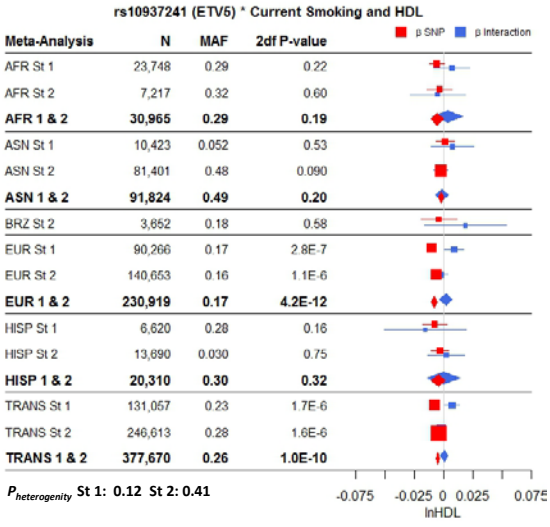
a



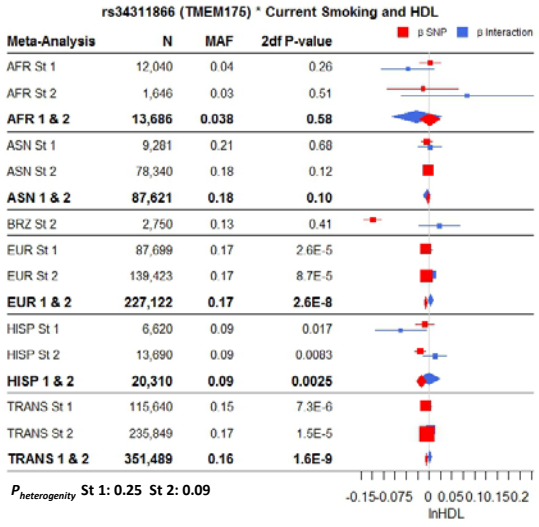
b



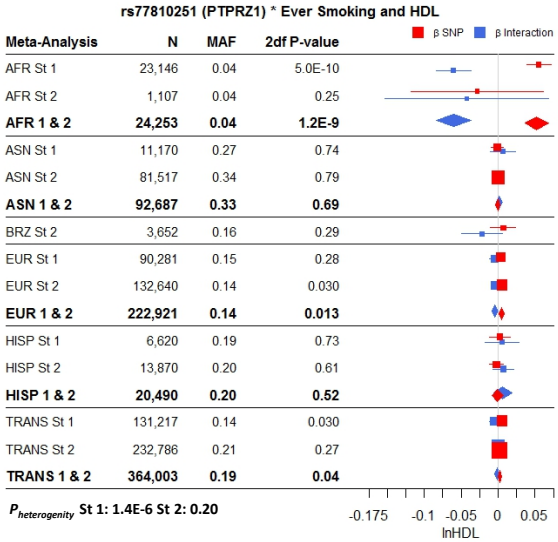
c



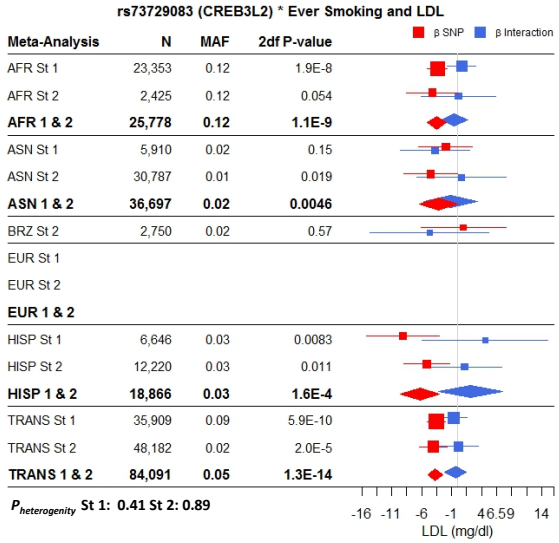
d



e



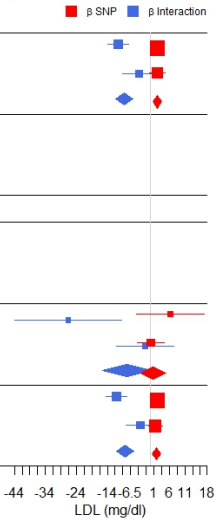
f



g

rs73453125 (CNTNAP2) * Current Smoking and LDL

Meta-Analysis	N	MAF	2df P-value
AFR St 1	22,645	0.09	1.4E-8
AFR St 2	3,675	0.09	0.22
AFR 1 & 2	**26,323**	**0.09**	**4.4E-08**
ASN St 1			
ASN St 2			
ASN 1 & 2			
BRZ St 2			
EUR St 1			
EUR St 2			
EUR 1 & 2			
HISP St 1	2,023	0.03	0.0065
HISP St 2	12,220	0.02	0.91
HISP 1 & 2	**14,243**	**0.02**	**0.15**
TRANS St 1	24,668	0.09	1.4E-9
TRANS St 2	15,595	0.03	0.27
TRANS 1 & 2	**40,566**	**0.07**	**2.0E-08**

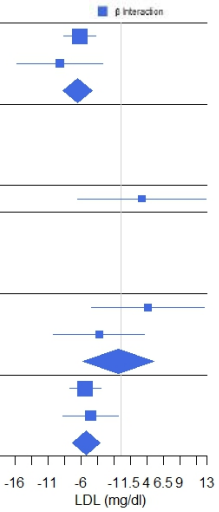


$P_{heterogenity}$ St 1: 0.18 St 2: 0.71

h

rs56167574 * Ever Smoking and LDL

Meta-Analysis	N	MAF	1df P-value
AFR St 1	23,353	0.12	5.3E-7
AFR St 2	2,425	0.11	0.0056
AFR 1 & 2	**25,778**	**0.12**	**1.5E-8**
ASN St 1			
ASN St 2			
ASN 1 & 2			
BRZ St 2	2,750	0.03	0.51
EUR St 1			
EUR St 2			
EUR 1 & 2			
HISP St 1	6,646	0.03	0.34
HISP St 2	12,220	0.02	0.36
HISP 1 & 2	**18,866**	**0.02**	**0.92**
TRANS St 1	29,999	0.11	8.5E-6
TRANS St 2	17,395	0.06	0.037
TRANS 1 & 2	**47,394**	**0.10**	**9.3E-7**

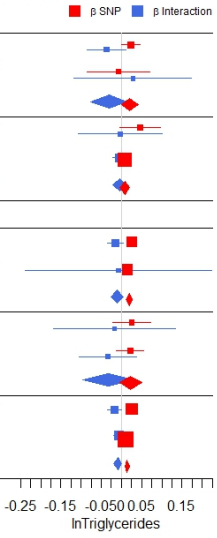


$P_{heterogenity}$ St 1: 0.02 St 2: 0.10

i

rs10101067 * Current Smoking and Triglycerides

Meta-Analysis	N	MAF	2df P-value
AFR St 1	22,188	0.05	0.10
AFR St 2	2,713	0.04	0.93
AFR 1 & 2	**24,901**	**0.05**	**0.14**
ASN St 1	2,761	0.11	0.13
ASN St 2	110,007	0.12	0.11
ASN 1 & 2	**112,768**	**0.12**	**0.062**
BRZ St 2			
EUR St 1	72,064	0.07	1.6E-05
EUR St 2	89,198	0.07	0.012
EUR 1 & 2	**161,262**	**0.07**	**4.9E-07**
HISP St 1	5,250	0.05	0.57
HISP St 2	13,625	0.05	0.44
HISP 1 & 2	**18,878**	**0.05**	**0.26**
TRANS St 1	102,263	0.07	5.7E-7
TRANS St 2	215,546	0.09	0.0018
TRANS 1 & 2	**317,809**	**0.08**	**4.1E-08**

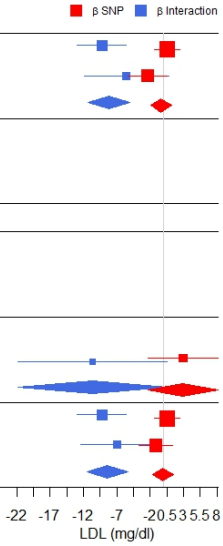


$P_{heterogenity}$ St 1: 0.89 St 2: 0.88

j

rs79950627 * Current Smoking and LDL

Meta-Analysis	N	MAF	2df P-value
AFR St 1	23,348	0.07	4.3E-7
AFR St 2	2,704	0.08	0.0056
AFR 1 & 2	**26,052**	**0.07**	**9.6E-9**
ASN St 1			
ASN St 2			
ASN 1 & 2			
BRZ St 2			
EUR St 1			
EUR St 2			
EUR 1 & 2			
HISP St 1			
HISP St 2	12,220	0.01	0.17
HISP 1 & 2	**12,220**	**0.01**	**0.17**
TRANS St 1	23,348	0.07	4.3E-7
TRANS St 2	14,924	0.02	0.0044
TRANS 1 & 2	**38,272**	**0.05**	**7.2E-9**

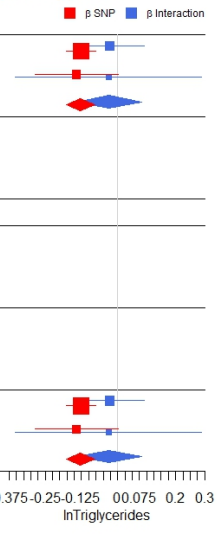


$P_{heterogenity}$ St 1: -- St 2: 0.22

k

rs4758675 (B3GNT4) * Current Smoking and Triglycerides

Meta-Analysis	N	MAF	2df P-value
AFR St 1	11,875	0.02	2.4E-7
AFR St 2	1,107	0.03	0.053
AFR 1 & 2	**12,982**	**0.02**	**1.3E-8**
ASN St 1			
ASN St 2			
ASN 1 & 2			
BRZ St 2			
EUR St 1			
EUR St 2			
EUR 1 & 2			
HISP St 1			
HISP St 2			
HISP 1 & 2			
TRANS St 1	21,875	0.02	2.4E-7
TRANS St 2	1,107	0.03	0.053
TRANS 1 & 2	**12,982**	**0.02**	**1.3E-8**

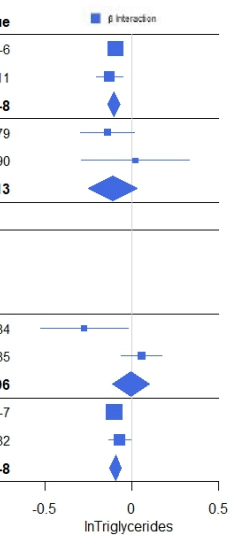


$P_{heterogenity}$ St 1: -- St 2: --

l

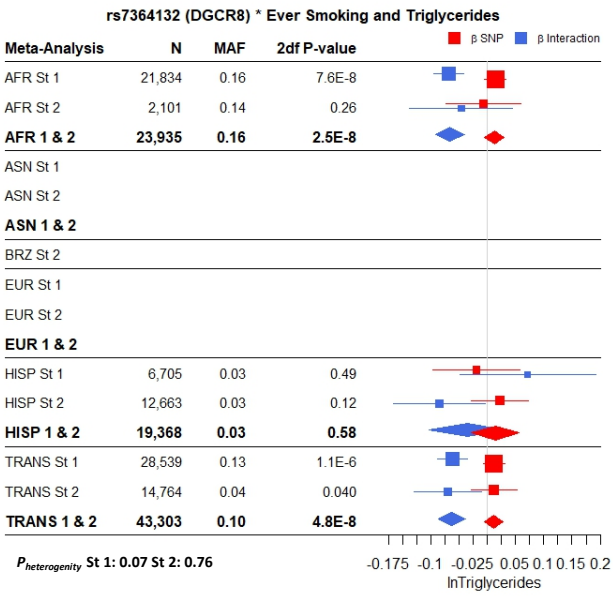
rs60029395 * Current Smoking and Triglycerides

Meta-Analysis	N	MAF	1df P-value
AFR St 1	15,747	0.12	5.4E-6
AFR St 2	3,301	0.16	0.0011
AFR 1 & 2	**19,048**	**0.13**	**3.3E-8**
ASN St 1	1,813	0.03	0.079
ASN St 2	1,417	ASN St 2	0.90
ASN 1 & 2	**3,230**	**0.03**	**0.13**
BRZ St 2			
EUR St 1			
EUR St 2			
EUR 1 & 2			
HISP St 1	2,046	0.04	0.034
HISP St 2	12,663	0.02	0.35
HISP 1 & 2	**14,709**	**0.02**	**0.96**
TRANS St 1	19,606	0.12	4.8E-7
TRANS St 2	17,381	0.12	0.032
TRANS 1 & 2	**36,987**	**0.12**	**6.6E-8**



$P_{heterogenity}$ St 1: 0.34 St 2: 0.03

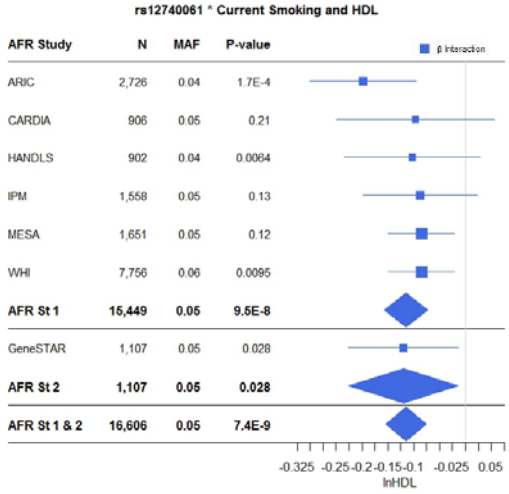
m


rs7364132 (DGCR8) * Ever Smoking and Triglycerides
β SNP
β Interaction
Meta-Analysis N MAF 2df P-value
AFR St 1 21,834 0.16 7.6E-8
AFR St 2 2,101 0.14 0.26
AFR 1 & 2 23,935 0.16 2.5E-8
ASN St 1
ASN St 2
ASN 1 & 2
BRZ St 2
EUR St 1
EUR St 2
EUR 1 & 2
HISP St 1 6,705 0.03 0.49
HISP St 2 12,663 0.03 0.12
HISP 1 & 2 19,368 0.03 0.58
TRANS St 1 28,539 0.13 1.1E-6
TRANS St 2 14,764 0.04 0.040
TRANS 1 & 2 43,303 0.10 4.8E-8
P heterogenity St 1: 0.07 St 2: 0.76
-0.175 -0.1 -0.025 0.05 0.1 0.15 0.2
lnTriglycerides

Supplementary Figure 4

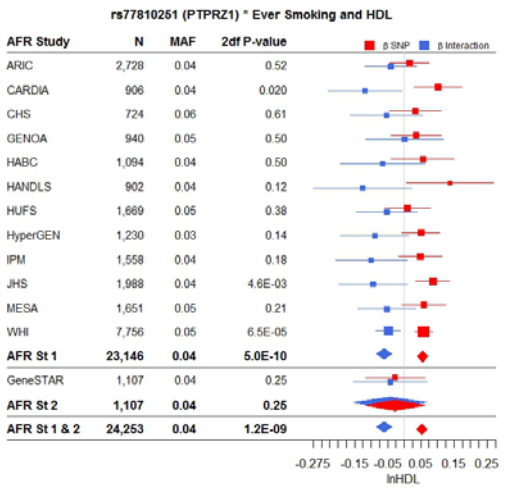
Within Ancestry Forest Plots of Novel Loci: For those associations that were only observed within one ancestry, results for all cohorts in the ancestry in which the association was observed. The results of either the 2df test (β for Interaction and Main Effect shown) or 1df test (only β for Interaction shown), whichever was more statistically significant. 95% confidence intervals included.

a



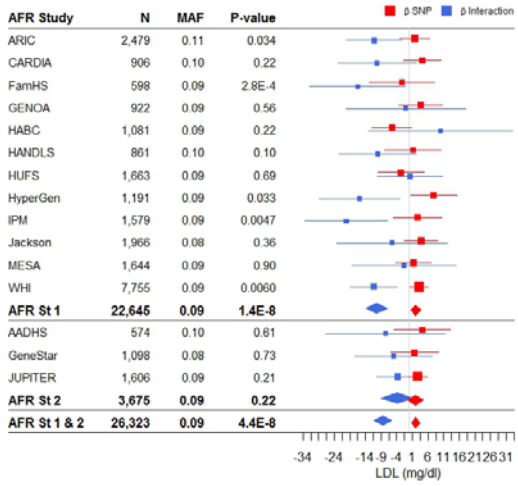
AFR Study	N	MAF	P-value
ARIC	2,726	0.04	1.7E-4
CARDIA	906	0.05	0.21
HANDLS	902	0.04	0.0064
IPM	1,558	0.05	0.13
MESA	1,651	0.05	0.12
WHI	7,756	0.06	0.0095
AFR St 1	**15,449**	**0.05**	**9.5E-8**
GeneSTAR	1,107	0.05	0.028
AFR St 2	**1,107**	**0.05**	**0.028**
AFR St 1 & 2	**16,606**	**0.05**	**7.4E-9**

b



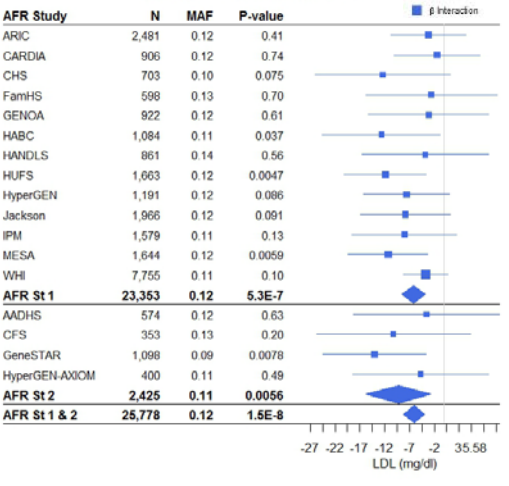
AFR Study	N	MAF	2df P-value
ARIC	2,728	0.04	0.52
CARDIA	906	0.04	0.020
CHS	724	0.06	0.61
GENOA	940	0.05	0.50
HABC	1,094	0.04	0.50
HANDLS	902	0.04	0.12
HUFS	1,669	0.05	0.38
HyperGEN	1,230	0.03	0.14
IPM	1,558	0.04	0.18
JHS	1,988	0.04	4.6E-03
MESA	1,651	0.05	0.21
WHI	7,756	0.05	6.5E-05
AFR St 1	**23,146**	**0.04**	**5.0E-10**
GeneSTAR	1,107	0.04	0.25
AFR St 2	**1,107**	**0.04**	**0.25**
AFR St 1 & 2	**24,253**	**0.04**	**1.2E-09**

c



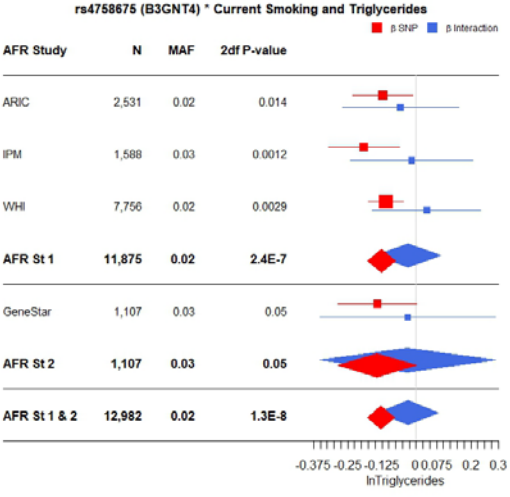
AFR Study	N	MAF	P-value
ARIC	2,479	0.11	0.034
CARDIA	906	0.10	0.22
FamHS	598	0.09	2.8E-4
GENOA	922	0.09	0.56
HABC	1,081	0.09	0.22
HANDLS	861	0.10	0.10
HUFS	1,663	0.09	0.69
HyperGen	1,191	0.09	0.033
IPM	1,579	0.09	0.0047
Jackson	1,966	0.08	0.36
MESA	1,644	0.09	0.90
WHI	7,755	0.09	0.0060
AFR St 1	**22,645**	**0.09**	**1.4E-8**
AADHS	574	0.10	0.61
GeneStar	1,098	0.08	0.73
JUPITER	1,606	0.09	0.21
AFR St 2	**3,675**	**0.09**	**0.22**
AFR St 1 & 2	**26,323**	**0.09**	**4.4E-8**

d



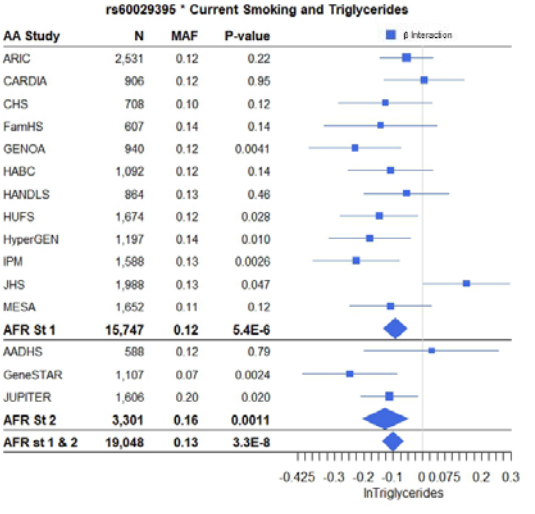
AFR Study	N	MAF	P-value
ARIC	2,481	0.12	0.41
CARDIA	906	0.12	0.74
CHS	703	0.10	0.075
FamHS	598	0.13	0.70
GENOA	922	0.12	0.61
HABC	1,084	0.11	0.037
HANDLS	861	0.14	0.56
HUFS	1,663	0.12	0.0047
HyperGEN	1,191	0.12	0.086
Jackson	1,966	0.12	0.091
IPM	1,579	0.11	0.13
MESA	1,644	0.12	0.0059
WHI	7,755	0.11	0.10
AFR St 1	**23,353**	**0.12**	**5.3E-7**
AADHS	574	0.12	0.63
CFS	353	0.13	0.20
GeneSTAR	1,098	0.09	0.0078
HyperGEN-AXIOM	400	0.11	0.49
AFR St 2	**2,425**	**0.11**	**0.0056**
AFR St 1 & 2	**25,778**	**0.12**	**1.5E-8**

e



AFR Study	N	MAF	2df P-value
ARIC	2,531	0.02	0.014
IPM	1,588	0.03	0.0012
WHI	7,756	0.02	0.0029
AFR St 1	**11,875**	**0.02**	**2.4E-7**
GeneStar	1,107	0.03	0.05
AFR St 2	**1,107**	**0.03**	**0.05**
AFR St 1 & 2	**12,982**	**0.02**	**1.3E-8**

f

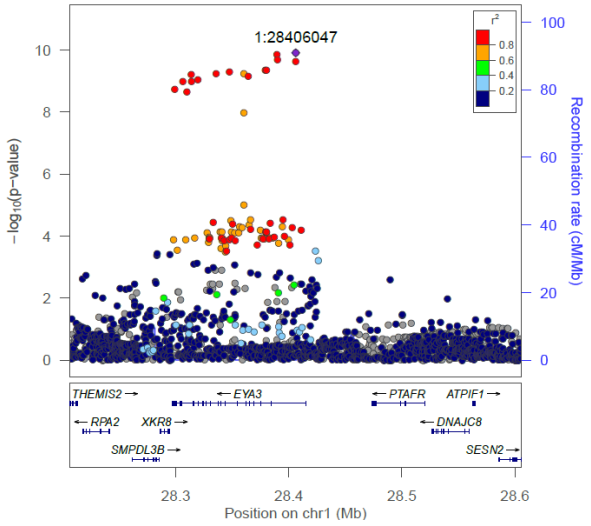


AA Study	N	MAF	P-value
ARIC	2,531	0.12	0.22
CARDIA	906	0.12	0.95
CHS	708	0.10	0.12
FamHS	607	0.14	0.14
GENOA	940	0.12	0.0041
HABC	1,092	0.12	0.14
HANDLS	864	0.13	0.46
HUFS	1,674	0.12	0.028
HyperGEN	1,197	0.14	0.010
IPM	1,588	0.13	0.0026
JHS	1,988	0.13	0.047
MESA	1,652	0.11	0.12
AFR St 1	**15,747**	**0.12**	**5.4E-6**
AADHS	588	0.12	0.79
GeneSTAR	1,107	0.07	0.0024
JUPITER	1,606	0.20	0.020
AFR St 2	**3,301**	**0.16**	**0.0011**
AFR st 1 & 2	**19,048**	**0.13**	**3.3E-8**

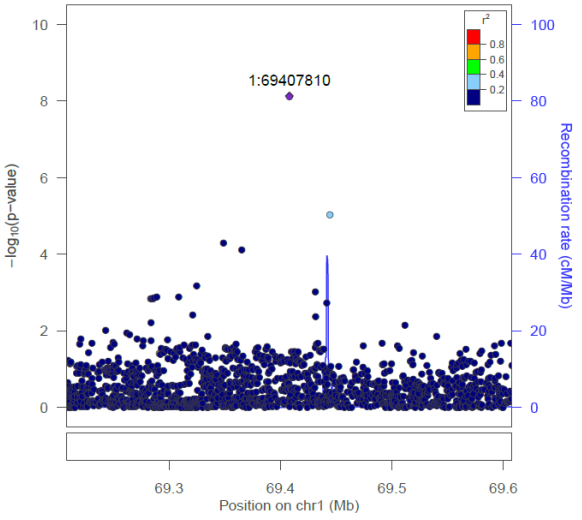
Supplementary Figure 5

Regional Association Plots for Novel Loci: LocusZoom plots showing p-values for stage 1 and 2 combined meta-analyses or stage 1 meta-analyses (if variant not carried forward to stage 2).

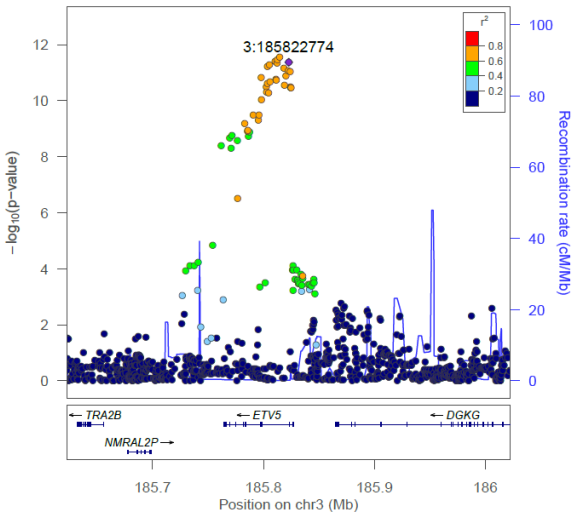
rs12144063 (*EYA3*) × Current Smoking and HDL
TRANS ancestry, 2df tests (n = 375,418)



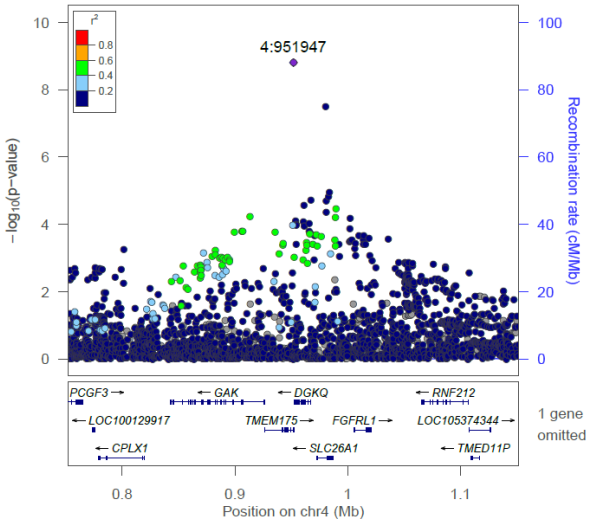
rs12740061 (*LOC105378783*) × Current Smoking and HDL
AFR ancestry, 1df tests (n = 16,606)



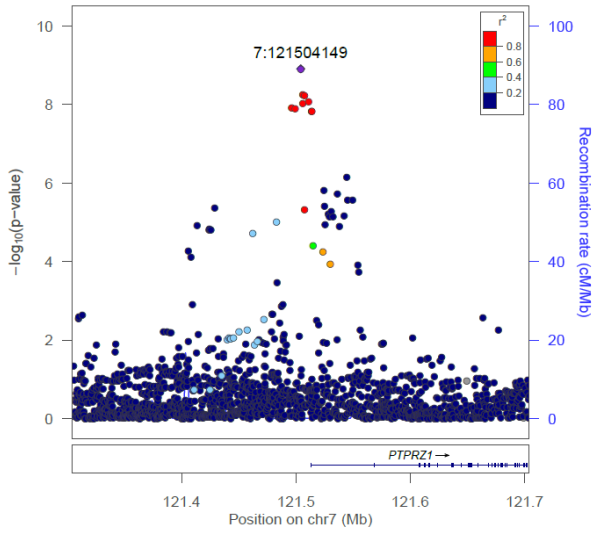
rs10937241 (*ETV5*) × Current Smoking and HDL
EUR ancestry, 2df tests (n = 230,919)



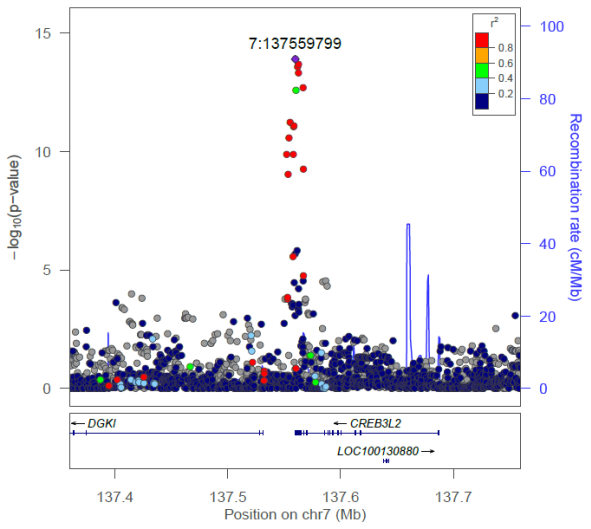
rs34311866 (*TMEM175*) × Current Smoking and HDL
TRANS ancestry, 2df tests (n = 351,489)



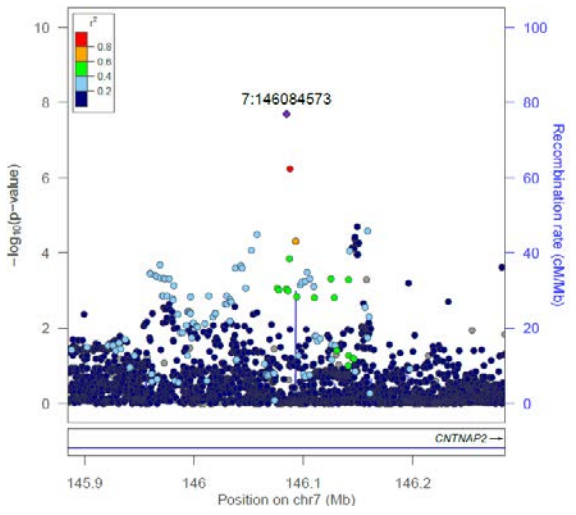
rs77810251 (*PTPRZ1*) × Ever Smoking and HDL
AFR ancestry, 2df tests (n = 24,253)



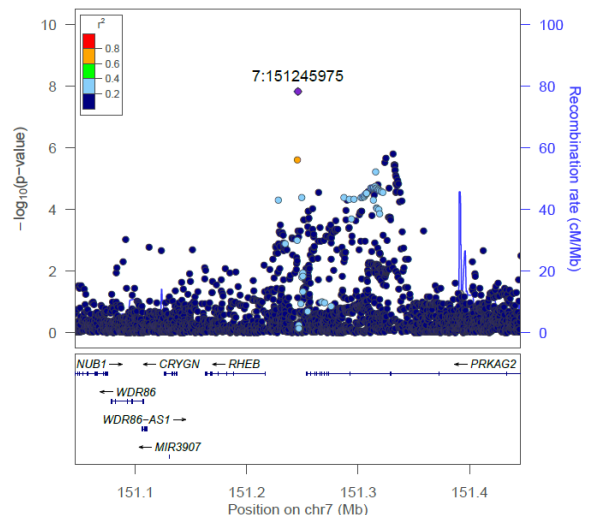
rs73729083 (*CREB3L2*) × Ever Smoking and LDL
TRANS ancestry, 2df tests (n = 84,091)



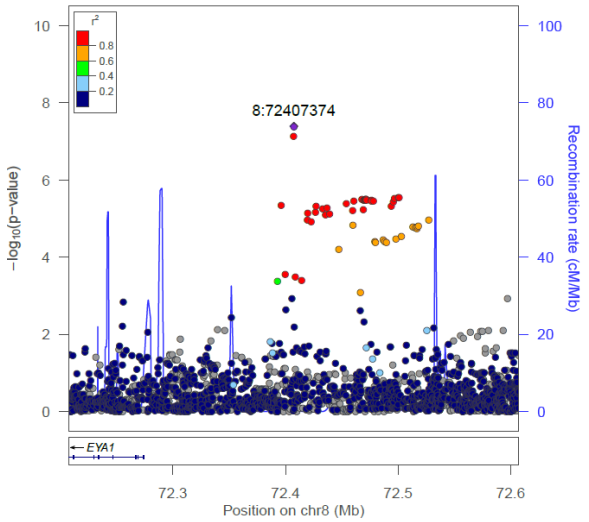
rs73453125 (*CNTNAP2*) × Current Smoking and LDL
TRANS ancestry, 2df tests (n = 40,566)



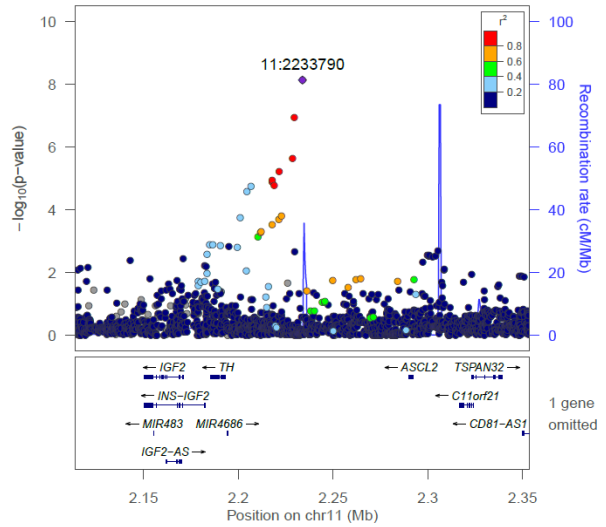
rs56167574 (*PRKAG2*) × Ever Smoking and LDL
AFR ancestry, 1df tests (n = 25,778)



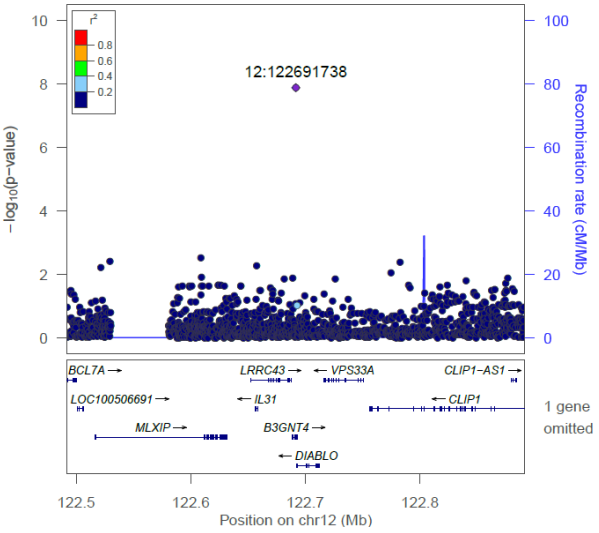
rs10101067 (*EYA1*) × Current Smoking and Triglycerides
TRANS ancestry, 2df tests (n = 317,809)



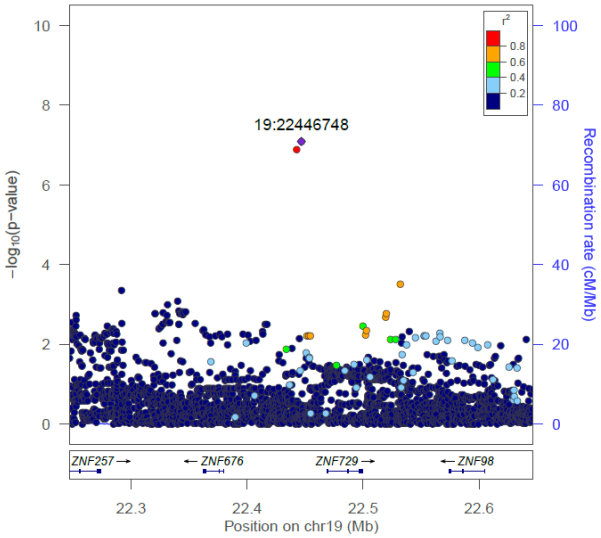
rs79950627 (*MIR4686*) × Current Smoking and LDL
TRANS ancestry, 2df tests (n = 38,272)



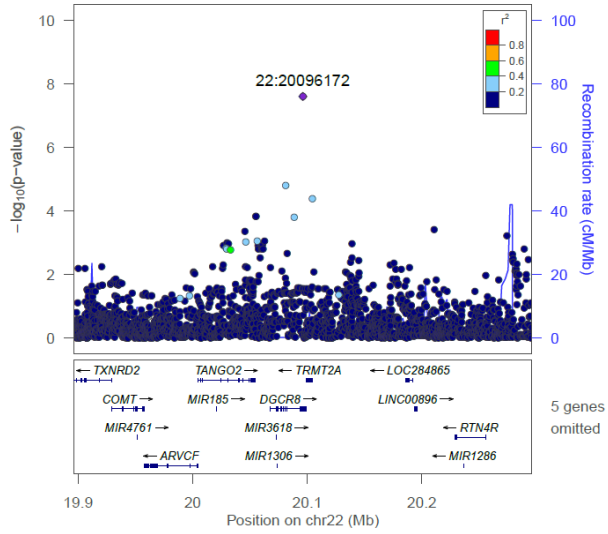
rs4758675 (*B3GNT4*) × Current Smoking and Triglycerides
AFR ancestry, 2df tests (n = 12,982)



rs60029395 (*ZNF729*) × Current Smoking and Triglycerides
AFR ancestry, 1df tests (n = 19,048)

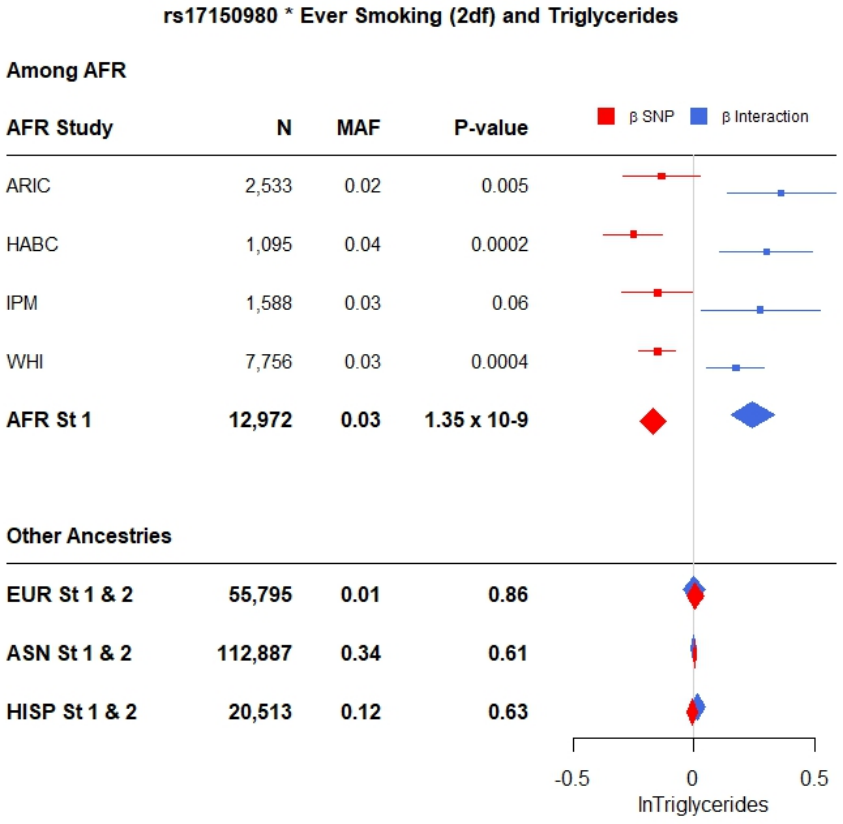


rs7364132 (*DGCR8*) × Ever Smoking and Triglycerides
AFR ancestry, 2df tests (n = 23,935)

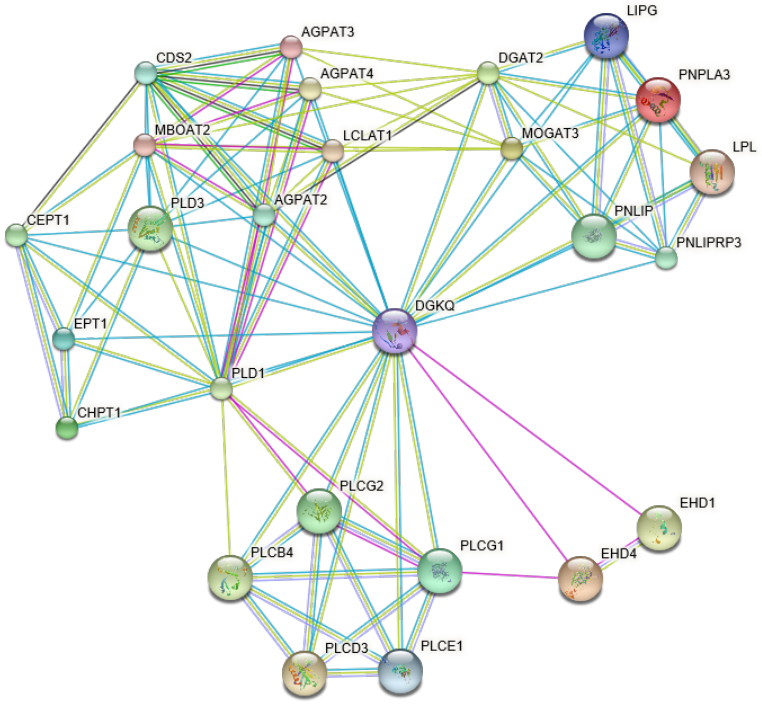


Supplementary Figure 6

rs17150980 × Ever-Smoking on Triglycerides, Stage 1 Meta-Analysis: The results for the 2df test (β for Interaction and Main Effect shown, with 95% confidence intervals) for Stage 1 meta-analyses. This variant was not available in any Stage 2 AFR studies, so follow-up was not possible.



Supplementary Figure 7



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Lifelines Cohort Study

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STAGE 1 STUDY DESCRIPTIONS: Brief descriptions are provided below for each of the discovery studies. Unless otherwise noted, the blood draw for serum lipids and the determination of smoking status occurred concurrently (either at the same study visit or within a few months of each other).

AGES (Age Gene/Environment Susceptibility Reykjavik Study): The AGES Reykjavik study originally comprised a random sample of 30,795 men and women born in 1907-1935 and living in Reykjavik in 1967. A total of 19,381 people attended, resulting in a 71% recruitment rate. The study sample was divided into six groups by birth year and birth date within month. One group was designated for longitudinal follow up and was examined in all stages; another was designated as a control group and was not included in examinations until 1991. Other groups were invited to participate in specific stages of the study. Between 2002 and 2006, the AGESReykjavik study re-examined 5,764 survivors of the original cohort who had participated before in the Reykjavik Study.

ARIC (Atherosclerosis Risk in Communities): The ARIC study is a population-based prospective cohort study of cardiovascular disease sponsored by the National Heart, Lung, and Blood Institute (NHLBI). ARIC included 15,792 individuals, predominantly European American and African American, aged 45-64 years at baseline (1987-89), chosen by probability sampling from four US communities. Cohort members completed three additional triennial follow-up examinations,a fifth exam in 2011-2013, and a sixth exam in 2016-2017. The ARIC study has been described in detail previously (The ARIC Investigators. The Atherosclerosis Risk in Communities (ARIC) study: Design and objectives. Am J Epidemiol. 1989;129:687-702).

Bio*Me* Biobank (Bio*Me* Biobank of Institute for Personalized Medicine at Mount Sinai): The Bio*Me* Biobank, founded in September 2007, is an ongoing, consented electronic medical record (EMR)-linked bio- and data repository that enrolls participants non-selectively from the Mount Sinai Medical Center patient population. The Bio*Me* Biobank currently (Winter 2015) comprises over 31,000 participants from diverse ancestries characterized by a broad spectrum of (longitudinal) biomedical traits. On average 400 new participants are consented each month. Bio*Me* participants represent the broad ancestral, ethnic and socioeconomic diversity with a distinct and population-specific disease burden, characteristic of Northern Manhattan communities served by Mount Sinai Hospital. Enrolled participants consent to be followed throughout their clinical care (past, present, and future) at Mount Sinai in real-time, integrating their genomic information with their electronic health record for discovery research and clinical care implementation. Bio*Me* participants are predominantly of African, Hispanic/Latino, and European ancestry. Participants who self-identify as Hispanic/Latino further report to be of Puerto Rican (39%), Dominican (23%), Central/South American (17%), Mexican (5%) or other Hispanic (16%) ancestry. More than 40% of European ancestry participants are genetically determined to be of Ashkenazi Jewish ancestry.

The IRB-approved Bio*Me* Biobank consent permits use of samples and de-identified linkable past, present and future clinical information from EMRs; re-contacting participants for enrollment in future research; unlimited duration of storage, and access to clinical information from the entire medical records, as well as local and external sharing of specimens and data.

The Bio*Me* Biobank has a longitudinal design as participants consent to make any EMR data from past (dating back as far as 2003), present and future inpatient or outpatient encounters available for research. The median number of clinical encounters per participant is 21, reflecting predominant enrollment of participants with common chronic conditions from primary care facilities. Mount Sinai's system-wide Epic EMR implementation captures a full spectrum of biomedical phenotypes, including clinical outcomes, covariate and exposure data. This clinical information is complemented by detailed information on ancestry, residence history, familial medical history, education, socio-economic status, physical activity, smoking, alcohol use, and weight history being collected in a systematic manner by interview-based questionnaire at time of enrollment. Phenotype harmonization and validation is critical to facilitate consortium-wide analyses. By applying advanced medical

informatics and data mining tools, high-quality and validated phenotype data can be culled from Mount Sinai's Epic EMR. Fully-implemented phenotype algorithms include; T2D, CKD, CAD, lipid disorders, peripheral artery disease, resistant hypertension, blood cell traits, abdominal aortic aneurism, venous thromboembolism among others (see also Phenotype KnowledgeBase (PheKB) of the eMERGE Network (http://emerge.mc.vanderbilt.edu/emerge-network).

A total of 14,017 participants have been genotyped for both GWAS (11,150 Illumina OmniExpress BeadChip, 2,867 Affymetrix Human SNP Array 6.0) *and* ExomeChip (Illumina HumanExome v1.0 BeadChip) arrays funded by institutional sources. An additional 16,000 Bio*Me* participants are scheduled for genotyping using the Illumina MEGA Chip (by April 2015), funded by NHGRI through our PAGEII grant (U01HG007417) (n=12,500) and through institutional funds (n=3,500).

CARDIA (Coronary Artery Risk Development in Young Adults): CARDIA is a prospective multicenter study with 5,115 adults Caucasian and African American participants of the age group 18-30 years, recruited from four centers at the baseline examination in 1985-1986. The recruitment was done from the total community in Birmingham, AL, from selected census tracts in Chicago, IL and Minneapolis, MN; and from the Kaiser Permanente health plan membership in Oakland, CA. The details of the study design for the CARDIA study have been previously published.(1) Eight examinations have been completed since initiation of the study, respectively in the years 0, 2, 5, 7, 10, 15, 20, 25, and 30. Written informed consent was obtained from participants at each examination and all study protocols were approved by the institutional review boards of the participating institutions. Age and race were self-reported using standardized questionnaires, as were use of cholesterol-lowering medication, and smoking status (current, former, or never). All participants were asked to fast for 12 hours before each clinic visit. Lipid measures were performed on plasma blood samples drawn from the antecubital vein and stored at −70°C until analyzed. Plasma total cholesterol, HDL, and triglyceride levels were measured using enzymatic methods (2); HDL levels were measured after dextran-sulfate-magnesium precipitation of other lipoproteins.(3) LDL levels were estimated with the Friedewald equation for individuals with fasting triglyceride values less than 400 mg/dL.(4) The test-retest correlations for total cholesterol, HDL, LDL, and triglycerides were 0.98 to 0.99.(5)

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CHS (Cardiovascular Health Study):

CHS (Cardiovascular Health Study): CHS is a population-based cohort study of risk factors for cardiovascular disease in adults 65 years of age or older conducted across four field centers (1). The original predominantly European ancestry cohort of 5,201 persons was recruited in 1989-1990 from random samples of the Medicare eligibility lists and an additional predominately African-American cohort of 687 persons was enrolled in 1992-

93 for a total sample of 5,888. Blood samples were drawn from all participants at their baseline examination and DNA was subsequently extracted from available samples. European ancestry participants were excluded from the GWAS study sample due to prevalent coronary heart disease, congestive heart failure, peripheral vascular disease, valvular heart disease, stroke, or transient ischemic attack at baseline. After QC, genotyping was successful for 3271 European ancestry and 823 African-American participants. CHS was approved by institutional review committees at each site and individuals in the present analysis gave informed consent including consent to use of genetic information for the study of cardiovascular disease.

1. Fried LP, Borhani NO, Enright P, Furberg CD, Gardin JM, Kronmal RA, et al. The Cardiovascular Health Study: design and rationale. Ann Epidemiol 1991; 1:263-76.

CROATIA-Korcula: The CROATIA-Korcula study is a family-based, cross-sectional study in the isolated island of Korcula that included 965 examinees aged 18-95. Blood samples were collected in 2007 along with many clinical and biochemical measures and lifestyle and health questionnaires.

CROATIA-Vis: The CROATIA-Vis study is a family-based, cross-sectional study in the isolated island of Vis that included 1,056 examinees aged 8-93. Blood samples were collected in 2003 and 2004 along with many clinical and biochemical measures and lifestyle and health questionnaires.

ERF (Erasmus Rucphen Family study): Erasmus Rucphen Family is a family based study that includes inhabitants of a genetically isolated community in the South-West of the Netherlands[1-2], studied as part of the Genetic Research in Isolated Population (GRIP) program. The goal of the study is to identify the risk factors in the development of complex disorders. Study population includes approximately 3,000 individuals who are living descendants of 22 couples who lived in the isolate between 1850 and 1900 and had at least six children baptized in the community church. All data were collected between 2002 and 2005. All participants gave informed consent, and the Medical Ethics Committee of the Erasmus University Medical Centre approved the study.

1. Aulchenko YS, Heutink P, Mackay I et al: Linkage disequilibrium in young genetically isolated Dutch population. Eur J Hum Genet 2004; 12: 527–534.

2. Pardo LM, MacKay I, Oostra B, van Duijn CM, Aulchenko YS: The effect of genetic drift in a young genetically isolated population. Ann Hum Genet 2005; 69:288–295.

FamHS (Family Heart Study): The NHLBI FamHS study design, collection of phenotypes and covariates as well as clinical examination have been previously described (https://dsgweb.wustl.edu/fhscc/; PMID: 8651220). In brief, the FamHS recruited 1,200 families (approximately 6,000 individuals), half randomly sampled, and half selected because of an excess of coronary heart disease (CHD) or risk factor abnormalities as compared with age- and sex-specific population rates. The participants were sampled from four population-based parent studies: the Framingham Heart Study, the Utah Family Tree Study, and two centers for the Atherosclerosis Risk in Communities study (ARIC: Minneapolis, and Forsyth County, NC). These individuals attended a clinic exam (1994-1996) and a broad range of phenotypes were assessed in the general domains of CHD, atherosclerosis, cardiac and vascular function, inflammation and hemostasis, lipids and lipoproteins, blood pressure, diabetes and insulin resistance, pulmonary function, diet, education, socioeconomic status, habitual behavior, physical activity, anthropometry, medical history and medication use. Approximately 8 years later, study participants belonging to the largest pedigrees were invited for a second clinical exam (2002-04). The most important CHD risk factors were measured again, including lipids, parameters of glucose metabolism, blood pressure, anthropometry, and several biochemical and hematologic markers. In addition, a computed tomography examination provided measures of coronary and aortic calcification, and abdominal and liver fat burden. Medical history and medication use was updated. A total of 2,756 European ancestry subjects in 510 extended random and high CHD risk families

were studied. Also, 633 African ancestry subjects were recruited at ARIC field center at the University of Alabama in Birmingham. Informed consent was obtained from all participants.

FHS (Framingham Heart Study): FHS began in 1948 with the recruitment of an original cohort of 5,209 men and women (mean age 44 years; 55 percent women). In 1971 a second generation of study participants was enrolled; this cohort (mean age 37 years; 52% women) consisted of 5,124 children and spouses of children of the original cohort. A third generation cohort of 4,095 children of offspring cohort participants (mean age 40 years; 53 percent women) was enrolled in 2002-2005 and are seen every 4 to 8 years. Details of study designs for the three cohorts are summarized elsewhere. At each clinic visit, a medical history was obtained with a focus on cardiovascular content, and participants underwent a physical examination including measurement of height and weight from which BMI was calculated.. For this study, lipid measurements were used from the first exam of the 2^{nd} generation (1971-1975) and the 3^{rd} generation (2002-2005) cohorts. Fasting levels of total cholesterol, high density lipoprotein cholesterol, and triglycerides were measured using standard enzymatic methods in accordance with LRC protocols. LDL cholesterol was calculated using the Friedewald formula. Current smoking and ever smoking data were also recorded at the first exam of each cohort and used in analyses.

GENOA (Genetic Epidemiology Network of Arteriopathy): GENOA is one of four networks in the NHLBI Family-Blood Pressure Program (FBPP; PubMed PMIDs 11799070, 15121494). GENOA's long-term objective is to elucidate the genetics of target organ complications of hypertension, including both atherosclerotic and arteriolosclerotic complications involving the heart, brain, kidneys, and peripheral arteries. The longitudinal GENOA Study recruited European-American and African-American sibships with at least 2 individuals with clinically diagnosed essential hypertension before age 60 years. All other members of the sibship were invited to participate regardless of their hypertension status. Participants were diagnosed with hypertension if they had either 1) a previous clinical diagnosis of hypertension by a physician with current anti-hypertensive treatment, or 2) an average systolic blood pressure $\geq$ 140 mm Hg or diastolic blood pressure $\geq$ 90 mm Hg based on the second and third readings at the time of their clinic visit. Exclusion criteria were secondary hypertension, alcoholism or drug abuse, pregnancy, insulin-dependent diabetes mellitus, or active malignancy. During the first exam (1995-2000), 1,583 European Americans from Rochester, MN and 1,854 African Americans from Jackson, MS were examined. Between 2000 and 2005, 1,241 of the European Americans and 1,482 of the African Americans returned for a second examination. Because African-American probands for GENOA were recruited through the Atherosclerosis Risk in Communities (ARIC) Jackson field center participants, we excluded ARIC participants from analyses.

GenSalt (Genetic Epidemiology Network of Salt Sensitivity): GenSalt is a multi-center, family based study designed to identify, through dietary sodium and potassium intervention, salt-sensitivity susceptibility genes which may underlie essential hypertension in rural Han Chinese families. Approximately 629 families with at least one 'proband' with high blood pressure were recruited and tested for a wide variety of physiological, metabolic and biochemical measures at baseline and at multiple times during the 3-week intervention. The intervention consisted of one week on a low sodium diet, followed by one week on a high sodium diet, and finally one week on a high sodium diet with a potassium supplement.

HANDLS (Healthy Aging in Neighborhoods of Diversity across the Life Span): HANDLS is a community-based, longitudinal epidemiologic study examining the influences of race and socioeconomic status (SES) on the development of age-related health disparities among a sample of socioeconomically diverse African Americans and whites. This unique study will assess over a 20-year period physical parameters and also evaluate genetic, biologic, demographic, and psychosocial, parameters of African American and white participants in higher and lower SES to understand the driving factors behind persistent black-white health disparities in overall longevity, cardiovascular disease, and cognitive decline. The study recruited 3,722 participants from Baltimore, MD with a mean age of 47.7 years, 2,200 African Americans and 1,522 whites, with 41% reporting household incomes below the 125% poverty delimiter.

Genotyping was done on a subset of self-reporting African American participants by the Laboratory of Neurogenetics, National Institute on Aging, National Institutes of Health (NIH). A larger genotyping effort included a small subset of self-reporting European ancestry samples. This research was supported by the Intramural Research Program of the NIH, NIA and the National Center on Minority Health and Health Disparities.

Health ABC (Health, Aging, and Body Composition): Cohort description: The Health ABC study is a prospective cohort study investigating the associations between body composition, weight-related health conditions, and incident functional limitation in older adults. Health ABC enrolled well-functioning, community-dwelling black (n=1281) and white (n=1794) men and women aged 70-79 years between April 1997 and June 1998. Participants were recruited from a random sample of white and all black Medicare eligible residents in the Pittsburgh, PA, and Memphis, TN, metropolitan areas. Participants have undergone annual exams and semi-annual phone interviews. The current study sample consists of 1559 white participants who attended the second exam in 1998-1999 with available genotyping data.

Genotyping: Genotyping was performed by the Center for Inherited Disease Research (CIDR) using the Illumina Human1M-Duo BeadChip system. Samples were excluded from the dataset for the reasons of sample failure, genotypic sex mismatch, and first-degree relative of an included individual based on genotype data. Genotyping was successful in 1663 Caucasians. Analysis was restricted to SNPs with minor allele frequency $\geq$ 1%, call rate $\geq$97% and HWE p$\geq$10-6. Genotypes were available on 914,263 high quality SNPs for imputation based on the HapMap CEU (release 22, build 36) using the MACH software (version 1.0.16). A total of 2,543,888 imputed SNPs were analyzed for association with vitamin D levels.

Association analysis: Linear regression models were used to generate cohort-specific residuals of naturally log transformed vitamin D levels adjusted for age, sex, BMI and season defined as summer (June-August), fall (September-November), winter (December to February) and spring (March to May) standardized to have mean 0 and variance of 1. Association between the additively coded SNP genotypes and the vitamin D residuals standardized was assessed using linear regression models. For imputed SNPs, expected number of minor alleles (i.e. dosage) was used in assessing association with the vitamin D residuals.

HERITAGE (Health, Risk Factors, Exercise Training and Genetics): The HERITAGE is the only known family-based study of exercise intervention to evaluate the role of genes and sequence variants involved in the response to a physically active lifestyle. The current study is based on the data collected at baseline of the study from 99 White families (244 males, 255 females). All subjects were required to be sedentary and free of chronic diseases at baseline. There are over 18 trait domains (e.g. dietary, lipids and lipoproteins, glucose and insulin metabolism [fasting and IVGTT], steroids, body composition and body fat distribution, cardiorespiratory fitness), for a grand total of over one thousand variables. Moreover, most of the outcome traits were measured twice on two separate days both at baseline and after exercise training was completed. Marker data include a genome-wide linkage scan and GWAS, in addition to a large number of candidate genes.

HUFS (Howard University Family Study): HUFS followed a population-based selection strategy designed to be representative of African American families living in the Washington, DC metropolitan area. The major objectives of the HUFS were to study the genetic and environmental basis of common complex diseases including hypertension, obesity and associated phenotypes. Participants were sought through door-to-door canvassing, advertisements in local print media and at health fairs and other community gatherings. In order to maximize the utility of this cohort for the study of multiple common traits, families were not ascertained based on any phenotype. During a clinical examination, demographic information was collected by interview.

HyperGEN (Hypertension Genetic Epidemiology Network): HyperGEN is a family-based study that looks at the genetic causes of hypertension and related conditions in EA and AA subjects. HyperGEN recruited hypertensive sibships, along with their normotensive adult offspring, and an age-matched random sample.

HyperGEN has collected data on 2,471 Caucasian-American subjects and 2,300 African-American subjects, from five field centers in Alabama, Massachusetts, Minnesota, North Carolina, and Utah.

GS:SFHS (Generation Scotland: Scottish Family Health Study): The Generation Scotland (www.generationscotland.org) Scottish Family Health Study (GS:SFHS) is a family-based genetic epidemiology cohort with DNA, other biological samples (serum, urine and cryopreserved whole blood) and socio-demographic and clinical data from approximately 24,000 volunteers, aged 18-98 years, in ~7,000 family groups. An important feature of GS:SFHS is the breadth of phenotype information, including detailed data on cognitive function, personality traits and mental health. Although data collection was cross-sectional, GS:SFHS becomes a longitudinal cohort as a result of the ability to link to routine NHS data, using the community health index (CHI) number.

JHS (Jackson Heart Study): The Jackson Heart Study is a longitudinal, community-based observational cohort study investigating the role of environmental and genetic factors in the development of cardiovascular disease in African Americans. Between 2000 and 2004, a total of 5301 participants were recruited from a tri-county area (Hinds, Madison, and Rankin Counties) that encompasses Jackson, MS. Details of the design and recruitment for the Jackson Heart Study cohort has been previously published.1-3 Briefly, approximately 30% of participants were former members of the Atherosclerosis Risk in Communities (ARIC) study. The remainder were recruited by either 1) random selection from the Accudata list, 2) commercial listing, 3) a constrained volunteer sample, in which recruitment was distributed among defined demographic cells in proportions designed to mirror those in the overall population, or through the Jackson Heart Study Family Study.

1. Wyatt SB, Diekelmann N, Henderson F, Andrew ME, Billingsley G, Felder SH et al. A community-driven model of research participation: the Jackson Heart Study Participant Recruitment and Retention Study. Ethn Dis 2003; 13(4):438-455.

2. Taylor HA, Jr., Wilson JG, Jones DW, et al. Toward resolution of cardiovascular health disparities in African Americans: design and methods of the Jackson Heart Study. Ethn Dis 2005; 15:S6-17.

3. Fuqua SR, Wyatt SB, Andrew ME, et al. Recruiting African-American research participation in the Jackson Heart Study: methods, response rates, and sample description. Ethn Dis 2005; 15:S6-29.

MESA (Multi-Ethnic Study of Atherosclerosis): The Multi-Ethnic Study of Atherosclerosis (MESA) is a study of the characteristics of subclinical cardiovascular disease and the risk factors that predict progression to clinically overt cardiovascular disease or progression of the subclinical disease. MESA consisted of a diverse, population-based sample of an initial 6,814 asymptomatic men and women aged 45-84. 38 percent of the recruited participants were white, 28 percent African American, 22 percent Hispanic, and 12 percent Asian, predominantly of Chinese descent. Participants were recruited from six field centers across the United States: Wake Forest University, Columbia University, Johns Hopkins University, University of Minnesota, Northwestern University and University of California - Los Angeles. Participants are being followed for identification and characterization of cardiovascular disease events, including acute myocardial infarction and other forms of coronary heart disease (CHD), stroke, and congestive heart failure; for cardiovascular disease interventions; and for mortality. The first examination took place over two years, from July 2000 - July 2002. It was followed by four examination periods that were 17-20 months in length. Participants have been contacted every 9 to 12 months throughout the study to assess clinical morbidity and mortality.

Bild DE, Bluemke DA, Burke GL, Detrano R, Diez Roux AV, Folsom AR, Greenland P, Jacob DR Jr, Kronmal R, Liu K, Nelson JC, O'Leary D, Saad MF, Shea S, Szklo M, Tracy RP. Multi-ethnic study of atherosclerosis: objectives and design. Am J Epidemiol. 2002 Nov 1;156(9):871-81. PubMed PMID: 12397006.

NEO (The Netherlands Epidemiology of Obesity study): The NEO was designed for extensive phenotyping to investigate pathways that lead to obesity-related diseases. The NEO study is a population-based, prospective cohort study that includes 6,671 individuals aged 45–65 years, with an oversampling of individuals with overweight or obesity. At baseline, information on demography, lifestyle, and medical history have been collected by questionnaires. In addition, samples of 24-h urine, fasting and postprandial blood plasma and serum, and DNA were collected. Genotyping was performed using the Illumina HumanCoreExome chip, which was subsequently imputed to the 1000 genome reference panel. Participants underwent an extensive physical examination, including anthropometry, electrocardiography, spirometry, and measurement of the carotid artery intima-media thickness by ultrasonography. In random subsamples of participants, magnetic resonance imaging of abdominal fat, pulse wave velocity of the aorta, heart, and brain, magnetic resonance spectroscopy of the liver, indirect calorimetry, dual energy X-ray absorptiometry, or accelerometry measurements were performed. The collection of data started in September 2008 and completed at the end of September 2012. Participants are currently being followed for the incidence of obesity-related diseases and mortality.

RS (Rotterdam Study): The Rotterdam Study is a prospective, population-based cohort study among individuals living in the well-defined Ommoord district in the city of Rotterdam in The Netherlands[1]. The aim of the study is to determine the occurrence of cardiovascular, neurological, ophthalmic, endocrine, hepatic, respiratory, and psychiatric diseases in elderly people. The cohort was initially defined in 1990 among approximately 7,900 persons, aged 55 years and older, who underwent a home interview and extensive physical examination at the baseline and during follow-up rounds every 3-4 years (RS-I). Cohort was extended in 2000/2001 (RS-II, 3,011 individuals aged 55 years and older) and 2006/2008 (RS-III, 3,932 subjects, aged 45 and older). Written informed consent was obtained from all participants and the Medical Ethics Committee of the Erasmus Medical Center, Rotterdam, approved the study. For RS-II and RS-III, smoking determination and lipids measurements occurred concurrently; for RS-I, however, smoking status was determined during the initial study visit, while the blood draw for lipids measurements was conducted during a third follow-up visit to the study center.

1. Ikram, M.A., Brusselle, G.G.O., Murad, S.D., Duijn, C.M. van, Franco, O.H., Goedegebure, A., Klaver, C.C.W., Nijsten, T.E.C., Peeters, R.P., Stricker, B.H., Tiemeier, H., Uitterlinden, A.G., Vernooij, M.W., Hofman, A. The Rotterdam Study: 2018 update on objectives, design and main results. Eur J Epidemiol 2017 doi:10.1007/s10654-017-0321-4

SCHS-CHD (Singapore Chinese Health Study - Coronary Heart Disease): SCHS-CHD is a case-control study of coronary heart disease that was nested within the Singapore Chinese Health Study (SCHS), a prospective cohort study of 63,257 Singaporean Chinese men and women aged 45-74 years living in Singapore. We selected cases and controls from participants that provided blood samples and were free of coronary heart disease and stroke at the time of blood collection (N=24,454). Cases (N=760) had acute myocardial infarction (AMI) or died of coronary heart disease. AMI was identified through the Singapore Myocardial Infarction Registry or through the nationwide hospital discharge database followed by confirmation of AMI by cardiologists' review of medical records using the Multi-Ethnic Study of Atherosclerosis criteria (available at: http://www.mesa-nhlbi.org/manuals.aspx). Coronary heart disease deaths were identified through the Singapore Registry of Births and Deaths (ICD9 410-414 as first stated cause of death). Matched controls (N=1,491) were selected using a risk-set sampling strategy. Controls were participants who were alive and free of coronary heart disease at the time of the diagnosis or death of the index cases and were matched for age, sex, dialect group, year of recruitment and date of blood collection. In-person interviews and phlebotomy were conducted before the onset of disease and non-fasting venous blood was stored at -80^0C for extraction of DNA and blood biochemistry.

SEED (Singapore Epidemiology of Eye Diseases): SiMES (Singapore Malay Eye Study): SiMES is a population-based cross-sectional epidemiological study of 3,280 individuals from one of the three major ethnic groups residing in Singapore. In summary, 5,600 individuals have been selected by an age-stratified sampling strategy. Among these 4,168 individuals are eligible for this study. 3,280 individuals finally participated in the

study (78.7% response rate). All subjects were Malay and aged 40-80 years [PMID: 17365815; 25953847]. Non-fasting lipid levels were measured by an automated autoanalyzer (ADVIA 2400, Bayer Diagnostics). **SINDI (Singapore Indian Eye Study)**: SINDI is a population-based, cross-sectional study of Asian Indian adults aged 40–80 years residing in the Southwestern part of Singapore. Age stratified random sampling was used to select 6,350 eligible participants, of which 3,400 participated in the study (75.6% response rate). Detailed methodology has been published [PMID: 19995197; 25953847]. Non-fasting lipid levels were measured by an automated autoanalyzer (Beckman Coulter Unicel DxC 800). **SCES (Singapore Chinese Eye Study):** SCES is a population-based, cross-sectional study of Chinese adults aged 40–80 years residing in the Southwestern part of Singapore. Age stratified random sampling was used to select 6,350 eligible participants, of which 3,353 participated in the study (72.8% response rate). Detailed methodology has been published [PMID: 19995197; 25953847]. Non-fasting lipid levels were measured by an automated autoanalyzer (Beckman Coulter Unicel DxC 800).

SP2 (Singapore Prospective Study Program): SP2 is a population-based study of diabetes and cardiovascular disease in Singapore. It first surveyed subjects (Chinese, Malay and Indian) from four cross-sectional studies that were conducted in Singapore between 1982 and 1998. Subjects were between the ages of 24-95 years and represented a random sample of the Singapore population. Subjects were re-visited between 2003 and 2007. Among the 10,747 individuals who were eligible, 5,157 subjects completed a questionnaire and the subsequent clinical examinations [PMID: 19406920]. Data from this re-visit were utilized for this study. Fasting HDL-C, TC and TG were measured by an automated analyzer autoanalyzer (ADVIA 2400, Bayer Diagnostics). LDL-C was calculated from Friedewald formula [PMID: 4337382].

WGHS (Women's Genome Health Study): WGHS is a prospective cohort of female North American health care professionals representing participants in the Women's Health Study (WHS) trial who provided a blood sample at baseline and consent for blood-based analyses (PMID: 18070814). Participants in the WHS were 45 years or older at enrollment and free of cardiovascular disease, cancer or other major chronic illness. The current data are derived from 23,294 WGHS participants for whom whole genome genotype information was available at the time of analysis and for whom self-reported European ancestry could be confirmed by multidimensional scaling analysis of 1,443 ancestry informative markers in PLINK v. 1.06. At baseline, BP and lifestyle habits related to smoking, consumption of alcohol, and physical activity as well as other general clinical information were ascertained by a self-reported questionnaire, an approach which has been validated in the WGHS demographic, namely female health care professionals.

WHI (Women's Health Initiative): WHI is a long-term national health study that focuses on strategies for preventing common diseases such as heart disease, cancer and fracture in postmenopausal women. A total of 161,838 women aged 50–79 years old were recruited from 40 clinical centers in the US between 1993 and 1998. WHI consists of an observational study, two clinical trials of postmenopausal hormone therapy (HT, estrogen alone or estrogen plus progestin), a calcium and vitamin D supplement trial, and a dietary modification trial [1]. Study recruitment and exclusion criteria have been described previously [1]. Recruitment was done through mass mailing to age-eligible women obtained from voter registration, driver's license and Health Care Financing Administration or other insurance list, with emphasis on recruitment of minorities and older women [2]. Exclusions included participation in other randomized trials, predicted survival < 3 years, alcoholism, drug dependency, mental illness and dementia. For the CT, women were ineligible if they had a systolic BP > 200 mm Hg or diastolic BP > 105 mm Hg, a history of hypertriglyceridemia or breast cancer. Study protocols and consent forms were approved by the IRB at all participating institutions. Socio-demographic characteristics, lifestyle, medical history and self-reported medications were collected using standardized questionnaires at the screening visit. Physical measures of height, weight and blood pressure were measured at a baseline clinical visit [2]. The genome wide association study (GWAS) non-overlapping samples are composed of a case-control study (WHI Genomics and Randomized Trials Network – GARNET, which included all coronary heart disease, stroke, venous thromboembolic events and selected diabetes cases that happened during the active intervention phase in the WHI HT clinical trials and aged matched controls), women selected to be "representative" of the HT trial (mostly

younger white HT subjects that were also enrolled in the WHI memory study - WHIMS) and the WHI SNP Health Association Resource (WHI SHARe), a randomly selected sample of 8,515 African American and 3,642 Hispanic women from WHI. GWAS was performed using Affymetrix 6.0 (WHI-SHARe), HumanOmniExpressExome-8v1_B (WHIMS), Illumina HumanOmni1-Quad v1-0 B (GARNET). Extensive quality control (QC) of the GWAS data included alignment ("flipping") to the same reference panel, imputation to the 1000G data (using the recent reference panel - v3.20101123), identification of genetically related individuals, and computations of principal components (PCs) using methods developed by Price et al. (using EIGENSOFT software 53), and finally the comparison with self-reported ethnicity. After QC and exclusions from analysis protocol, the number of women included in analysis is 4,423 whites for GARNET, 5,202 white for WHIMS, 7,919 for SHARe African American and 3,377 for SHARe Hispanics.

1. Hays J, Hunt JR, Hubbell FA, Anderson GL, Limacher M, Allen C, Rossouw JE. The women's health initiative recruitment methods and results. Ann Epidemiol. 2003;13:S18-77

2. Design of the women's health initiative clinical trial and observational study. The women's health initiative study group. Control Clin Trials. 1998;19:61-109

STAGE 2 STUDY DESCRIPTIONS: Brief descriptions are provided below for each of the replication studies/cohorts. Unless otherwise noted, the blood draw for serum lipids and the determination of smoking status occurred concurrently (either at the same study visit or within a few months of each other).

AA-DHS (African American Diabetes Heart Study): AA-DHS objectives are to improve understanding of ethnic differences in CAC and CP in populations of African and European ancestry. The AA-DHS consists of self-reported African Americans with T2D recruited from two Wake Forest School of Medicine (WFSM) studies: the family-based Diabetes Heart Study (DHS) and unrelated individuals in the AA-DHS. DHS is a cross-sectional study of European American and African American families with siblings concordant for T2D. AA-DHS started after DHS and enrolled unrelated African Americans. The AA-DHS GWAS utilized the Illumina 5M chip with imputation to 1,000 Genomes.

Airwave (The Airwave Health Monitoring Study): The Airwave Health Monitoring Study (22) was established to evaluate possible health risks associated with use of TETRA, a digital communication system used by police forces and other emergency services in Great Britain since 2001. The study has been broadened to investigate more generally the health of the work force. From 2004, participants from each force who agreed to participate were enrolled either with an enrolment questionnaire or a comprehensive health screening performed locally. This includes questionnaire, 7-day food diaries, anthropometry, measurements of cardiovascular and cognitive function, blood chemistry, coagulation and hematology. By March 2015, the study had recruited 53,606 participants, of whom 45,433 had attended the health screening, and 14,002 have genotype data (1000G imputed).

Ref: Elliott, P. et al. The Airwave Health Monitoring Study of police officers and staff in Great Britain: rationale, design and methods. Environ Res 134, 280-5 (2014).

ASCOT (Anglo-Scandinavian Cardiac Outcomes Trial): ASCOT is a randomised control clinical trial investigating the cardiac outcomes of blood pressure lowering and lipid lowering treatments. Of 19,342 hypertensive patients (40–79 years of age with at least three other cardiovascular risk factors) who were randomized to one of two antihypertensive regimens in ASCOT (atenolol, Beta-Blocker vs amlodipine, Calcium-Channel-Blocker), 10,305 patients with non-fasting total cholesterol concentrations of 6.5 mmol/l or less (measured at the non-fasting screening visit) had been randomly assigned additional atorvastatin 10 mg or placebo. Only a proportion of United Kingdom, Irish, Sweden, Norway, Finland and Denmark consented to contribute DNA and participate in genetic studies. PMID 11685901

Baependi Heart Study (Brazil): The Baependi Heart Study, is an ongoing family-based cohort conducted in a rural town of the state of Minas Gerais. The study has enrolled approximate 2,200 individuals (over 10% of the town's adult population) and 10-year follow up period of longitudinal data. Briefly, probands were selected at random across 11 out of the 12 census districts in Baependi. After enrolment, the proband's first-degree (parents, siblings, and offspring), second-degree (half-siblings, grandparents/grandchildren, uncles/aunts, nephews/nieces, and double cousins), and third-degree (first cousins, great uncles/aunts, and great nephews/nieces) relatives, and his/her respective spouse's relatives resident both within Baependi (municipal and rural area) and surrounding towns were invited to participate. Only individuals age 18 and older were eligible to participate in the study. The study is conducted from a clinic/office in an easily accessible sector of the town, where the questionnaires were completed. A broad range of phenotypes ranging from cardiovascular, neurocognitive, psychiatric, imaging, physiologic and several layers of endophenotypes like metabolomics and lipidomics have been collected throughout the years Details about follow-up visits and available data can be found in the cohort profile paper (PMID: 18430212). DNA samples were genotyped using the Affymetrix 6.0 genechip. After quality control, the data were prephased using SHAPEIT and imputed using IMPUTE2 based on 1000 Genomes haplotypes.

BBJ (Biobank Japan Project): The Biobank Japan (BBJ) Project was established in 2003 with the aim of the implementation of personalized medicine as a leading project of Ministry of Education, Culture, Sports, Science and Technology (MEXT). In collaboration with twelve cooperating institutes, the BBJ has recruited a total of 200,000 people, suffering from at least one of the 47 target common diseases, in the first phase (5-year period). BBJ has collected biospecimens including DNA and serum as well as various clinical and lifestyle information through interview or medical records by using standardized questionnaire. All participants gave written informed consent to this project and this study was approved by ethical committees of RIKEN and participating institutes.

BES (Beijing Eye Study): Beijing Eye Study is a population-based study that assess the associated and risk factors of ocular and general diseases in China population. The study was initialized in 2001, collected data from 4439 subjects aged ≥ 40 years from seven communities in Beijing area, where three of the communities were located in rural districts and four were located in urban districts. BES was followed-up in 2006, with 3251 of the original subjects participated, and in 2011, with 2695 subjects returned for the follow-up examination. At the examinations in 2006 and 2011, trained research staffs asked the subjects questions from a standard questionnaire providing information on family status, level of education, income, quality of life, psychic depression, physical activity, and known major systemic diseases. Fasting blood samples were taken for measurement of blood lipids, glucose, and glycosylated hemoglobin. Individuals were classified as self-reported non-smokers or self-reported current smokers. Alcohol consumption habits based on number of drinks per day were collected. All variables used in analyses were taken from examinations in 2006 or in 2011. The BES subjects were genotyped on two arrays, Illumina Human610-Quad (N = 832) and Illumina OmniExpress (N = 814).

BRIGHT (British Genetics of Hypertension): Participants of the BRIGHT Study are recruited from the Medical Research Council General Practice Framework and other primary care practices in the UK. Each case had a history of hypertension diagnosed prior to 60 years of age with confirmed blood pressure recordings corresponding to seated levels >150/100mmHg (1 reading) or mean of 3 readings >145/95 mmHg. BRIGHT is focused on recruitment of hypertensive individuals with BMI<30. Sample selection for GWAS was based on DNA availability and quantity. PMID 12826435

CAGE-Amagasaki (Cardio-metabolic Genome Epidemiology Network, Amagasaki Study): The Amagasaki Study (CAGE-Amagasaki) is an ongoing population-based cohort study of 5,743 individuals (3,435 males and 2,310 females), aged >18 years and recruited for a baseline examination between September 2002 to August 2003. Participants were interviewed by trained personnel to obtain information on medical and lifestyle variables, and consented to provide DNA for genotyping of molecular variants to investigate genetic susceptibility for so-called lifestyle-related diseases such as hypertension and cardiovascular disorder.

CFS (Cleveland Family Study): The Cleveland Family Study (CFS) is a family-based, longitudinal study designed to characterize the genetic and non-genetic risk factors for sleep apnea. In total, 2534 individuals (46% African American) from 352 families were studied on up to 4 occasions over a period of 16 years (1990-2006). The initial aim of the study was to quantify the familial aggregation of sleep apnea. 632 African Americans were genotyped on the Affymetrix array 6.0 platform through the CARe Consortium with suitable genotying quality control. A further 122 African-Americans had genotyping based on the Illumina OmniExpress + Exome platform. Genomes were imputed separately for each chip based on a 1000 Genomes Project Phase 3 Version 5 cosmopolitan template using SHAPEIT and IMPUTE2..

DESIR (Data from an Epidemiological Study on the Insulin Resistance): The DESIR cohort study aims to: describe and understand the relations between the abnormalities of the syndrome, their evolution, according to age and sex; search for risk factors of insulin resistance, in particular factors associated with the environment, lifestyle and genetic markers; quantify the links between the syndrome and both cardiovascular disease and diabetes; evaluate the frequency of the syndrome in terms of its consequences on public health.

DFTJ (Dongfeng-Tongji Cohort Study): The DFTJ-cohort study includes 27,009 retired employees from a state-owned automobile enterprise in China. This study was launched in 2008 and will be followed up every 5 years. In 2013 we conducted the first follow-up. By using semi-structural questionnaire and health examination, those having cancer or severe diseases were excluded. Fasting blood samples and detailed epidemiology data were collected. The main goal of the cohort was to identify the environmental and genetic risk factors and the gene-environment interactions on chronic diseases, and to find novel biomarkers for chronic disease and mortality prediction. Finally, 1,461 included in the present study with GWAS data. All of the participants wrote informed consent and the ethical committees in the Tongji Medical College approved this research project. Detailed information has been described in elsewhere(1).

QC criteria and imputation methods:

We did the GWAS scan on the DFTJ-cohort with Affymetrix Genome-Wide Human SNP Array 6.0 chips. In total, we genotyped 906,703 SNPs among 1,461 subjects. After stringent QC filtering, SNPs with MAF < 0.01, Hardy-Weinberg Equilibrium (HWE) < 0.0001, and SNP call rate < 95% were excluded. Individuals with call rates < 95% were also not included for further analysis. In total, we retained 1,452 subjects with 658,288 autosomal SNPs for statistical analyses, with an overall call rate of 99.68%. We used MACH 1.0 software to impute untyped SNPs using the LD information from the HapMap phase II database (CHB+JPT as a reference set (2007-08_rel22, released 2007-03-02). Imputed SNPs with high genotype information content (Rsq > 0.3 for MACH) were kept for the further association analysis.

Reference

1) Wang, F., Zhu, J., Yao, P., Li, X., He, M., Liu, Y., Yuan, J., Chen, W., Zhou, L., Min, X. et al. (2012) Cohort profile: The Dongfeng-Tongji cohort study of retired workers. International journal of epidemiology.

DHS (Diabetes Heart Study): The Diabetes Heart Study (DHS) is an ongoing family-based cohort study investigating the epidemiology and genetics of cardiovascular disease (CVD) in a population-based sample. The DHS recruited T2D-affected siblings without advanced renal insufficiency from 1998 through 2005 in western North Carolina. DHS has collected genetic data on 1,220 self-described European American (EA) individuals from 475 families. Genotyping was completed using an Affymetrix Genome-Wide Human SNP Array 5.0 with imputation of 1,000 Genomes project SNPs from this array using IMPUTE2 and the Phase I v2, cosmopolitan (integrated) reference panel, build 37.

DR's EXTRA (Dose Responses to Exercise Training): The Dose-Responses to Exercise Training (DR's EXTRA) Study is a 4-year RCT on the effects of regular physical exercise and healthy diet on endothelial function, atherosclerosis and cognition in a randomly selected population sample (n=3000) of Eastern Finnish men and women, identified from the national population register, aged 55-74 years. Of the eligible sample, 1410 individuals were randomized into one of the 6 groups: aerobic exercise, resistance exercise, diet, combined aerobic exercise and diet, combined resistance exercise and diet, or reference group following baseline assessments. During the four year intervention the drop-out rate was 15%.

EGCUT (Estonian Genome Center - University of Tartu (Estonian Biobank)): The Estonian Biobank is the population-based biobank of the Estonian Genome Center at the University of Tartu (www.biobank.ee; EGCUT). The entire project is conducted according to the Estonian Gene Research Act and all of the participants have signed the broad informed consent. The cohort size is up to 51535 individuals from 18 years of age and up, which closely reflects the age, sex and geographical distribution of the Estonian population. All of the subjects are recruited randomly by general practitioners and physicians in hospitals. A Computer Assisted Personal interview is filled within 1-2 hours at a doctor's office, which includes personal, genealogical, educational, occupational history and lifestyle data. Anthropometric measurements, blood pressure and resting heart rate are measured and venous blood taken during the visit. Medical history and current health status is recorded according to ICD-10 codes.

EPIC (European Prospective Investigation into Cancer and Nutrition)-Norfolk: The European Prospective Investigation of Cancer (EPIC)-Norfolk study is a population-based cohort study established to study the links diet, lifestyle factors and cancer and other health outcomes. Participants are men and women who were aged between 40 and 79 when they joined the study and who lived in Norwich, UK and the surrounding towns and rural areas. They have been contributing information about their diet, lifestyle and health through questionnaires and health checks over two decades. The Norwich Local Research Ethics Committee granted ethical approval for the study. All participants gave written informed consent.

The EPIC-InterAct Case-Cohort Study: EPIC- InterAct is a type 2 diabetes case-cohort study nested within the European Prospective Investigation into Cancer and Nutrition (EPIC) study. EPIC was initiated in the late 1980s and involves collaboration between 23 research institutions across Europe in 10 countries. The majority of EPIC cohorts were recruited from the general population, with some exceptions. French cohorts included women who were members of a health insurance scheme for school and university employees; Turin and Ragusa (Italy) and the Spanish centres included some blood donors. Participants from Utrecht (Netherlands) and Florence (Italy) were recruited via a breast cancer screening program. The majority of participants recruited by the EPIC Oxford (UK) centre consisted of vegetarian and "health conscious" volunteers from England, Wales, Scotland, and Northern Ireland. EPIC-InterAct sampled a random sub-cohort and all individuals who subsequently developed incident T2DM over follow up from the full cohort of participants in EPIC who provided blood samples at baseline in Denmark, France, Germany, Italy, the Netherlands, Spain, Sweden and the UK. Smoking status was determined at baseline and lipid measurements at baseline were undertaken in a centralized laboratory on all participants in the case-cohort study.

FENLAND (The Fenland Study): The Fenland study is a population-based cohort study that uses objective measures of disease expoure to investigate the influence of diet, lifestyle and genetic factors on the development of diabetes and obesity. The volunteers are recruited from general practice lists in and around Cambridgeshire (Cambridge, Ely, and Wisbech) in the United Kingdom from birth cohorts from 1950–1975.

FUSION (Finland-United States Investigation of NIDDM Genetics): The Finland-United States Investigation of NIDDM Genetics (FUSON) study is a long-term effort to identify genetic variants that predispose to type 2 diabetes (T2D) or that impact the variability of T2D-related quantitative traits. The FUSION GWAS sample consists of 1,161 Finnish T2D cases and 1,174 Finnish normal glucose-tolerant (NGT) controls (Scott et al. Science 2007). Cases are defined by fasting plasma glucose ≥ 7.0 mmol/l or 2-h plasma glucose ≥ 11.1 mmol/l, by report of diabetes medication use, or based on medical record review. 789 FUSION cases each reported at least one T2D sibling; 372 Finrisk 2002 T2D cases came from a Finnish population-based risk factor survey. NGT controls are defined by fasting glucose < 6.1 mmol/l and 2-h glucose < 7.8 mmol/l. FUSION controls include 119 subjects from Vantaa, Finland who were NGT at ages 65 and 70 years, 304 NGT spouses from FUSION families, and 651 Finrisk 2002 subjects. The controls were approximately frequency matched to the cases by age, sex, and birth province. Smoking and alcohol data are only available in the FUSION subset of our GWAS samples.

Scott, L.J. et al. A genome-wide association study of type 2 diabetes in Finns detects multiple susceptibility variants. Science 316, 1341–1345, 2007.

GeneSTAR (Genetic Studies of Atherosclerosis Risk): GeneSTAR is a family-based prospective study of more than 4000 participants begun in 1983 to determine phenotypic and genetic causes of premature cardiovascular disease. Families were identified from 1983-2006 from probands with a premature coronary disease event prior to 60 years of age who were identified at the time of hospitalization in any of 10 hospitals in the Baltimore, Maryland area. Their apparently healthy 30-59 year old siblings without known coronary disease were recruited and screened between 1983 and 2006. From 2003-2006, adult offspring over 21 years of age of all participating

siblings and probands, as well as the coparents of the offspring were recruited and screened. Genotyping was performed in 3,232 participants on the Illumina 1Mv1_c platform.

GLACIER (Gene x Lifestyle Interactions and Complex Traits Involved in Elevated Disease Risk): The Gene-Lifestyle interactions And Complex traits Involved in Elevated disease Risk (GLACIER) Study is nested within the Västerbotten Health Survey, which is part of the Northern Sweden Health and Disease Study, a population-based prospective cohort study from northern Sweden. Participants were genotyped with Illumina CardioMetaboChip array. This array contains ~200,000 variants, the majority being common variants. Systolic and diastolic blood pressures were measured once following a period of five minutes rest with the participant in the supine position using a mercury-gauge sphygmomanometer. Analysis of serum lipids (HDL-C, triglycerides and total cholesterol) were undertaken at the Department of Clinical Chemistry at Umeå University Hospital using routine methods. LDL-C was determined using the Friedewald formula. All participants completed a detailed, optically readable, health and lifestyle questionnaire including questions about smoking status and alcohol intake (FFQ). Cohort description - PMID: 25396097

GRAPHIC (Genetic Regulation of Arterial Pressure of Humans in the Community): The GRAPHIC Study comprises 2024 individuals from 520 nuclear families recruited from the general population in Leicestershire, UK between 2003-2005 for the purpose of investigating the genetic determinants of blood pressure and related cardiovascular traits. A detailed medical history was obtained from study subjects by standardized questionnaires and clinical examination was performed by research nurses following standard procedures. Measurements obtained included height, weight, waist-hip ratio, clinic and ambulatory blood pressure and a 12-lead ECG.

HCHS/SOL (Hispanic Community Health Study/ Study of Latinos): The HCHS/SOL is a community-based cohort study of 16,415 self-identified Hispanic/Latino persons aged 18–74 years and selected from households in predefined census-block groups across four US field centers (in Chicago, Miami, the Bronx, and San Diego). The census-block groups were chosen to provide diversity among cohort participants with regard to socioeconomic status and national origin or background. The HCHS/SOL cohort includes participants who self-identified as having a Hispanic/Latino background; the largest groups are Central American (n = 1,730), Cuban (n = 2,348), Dominican (n = 1,460), Mexican (n = 6,471), Puerto Rican (n = 2,728), and South American (n = 1,068). The HCHS/SOL baseline clinical examination occurred between 2008 and 2011 and included comprehensive biological, behavioral, and sociodemographic assessments. Consenting HCHS/SOL subjects were genotyped at Illumina on the HCHS/SOL custom 15041502 B3 array. The custom array comprised the Illumina Omni 2.5M array (HumanOmni2.5-8v.1-1) ancestry-informative markers, known GWAS hits and drug absorption, distribution, metabolism, and excretion (ADME) markers, and additional custom content including ~150,000 SNPs selected from the CLM (Colombian in Medellin, Colombia), MXL (Mexican Ancestry in Los Angeles, California), and PUR (Puerto Rican in Puerto Rico) samples in the 1000Genomes phase 1 data to capture a greater amount of Amerindian genetic variation. QA/QC procedures yielded a total of 12,803 unique study participants for imputation and downstream association analyses.

HRS (Health & Retirement Study): The Health and Retirement Study (HRS) is a longitudinal survey of a representative sample of Americans over the age of 50. The current sample is over 26,000 persons in 17,000 households. Respondents are interviewed every two years about income and wealth, health and use of health services, work and retirement, and family connections. DNA was extracted from saliva collected during a face-to-face interview in the respondents' homes. These data represent respondents who provided DNA samples and signed consent forms in 2006, 2008, and 2010. Respondents were removed if they had missing genotype or phenotype data.

Juster, F. T., Suzman, R. (1995). An Overview of the Health and Retirement Study, Journal of Human Resources 30:Suppl: S7-S56.

Sonnega A, Faul JD, Ofstedal MB, Langa KM, Phillips JWR, Weir DR. Cohort Profile: the Health and Retirement Study (HRS). Int. J. Epidemiol. 2014; 43 (2): 576-585. PMID: 24671021

Crimmins, E.M., Guyer H., Langa K.M., Ofstedal M.B., Wallace R.B., and Weir D.R. (2008). Documentation of Physical Measures, Anthropometrics and Blood Pressure in the Health and Retirement Study. HRS Documentation Report DR-011. http://hrsonline.isr.umich.edu/sitedocs/userg/dr-011.pdf

HyperGEN-AXIOM (Hypertension Genetic Epidemiology Network): HyperGEN is a family-based study that investigates the genetic causes of hypertension and related conditions in EA and AA subjects. HyperGEN recruited hypertensive sibships, along with their normotensive adult offspring, and an age-matched random sample. HyperGEN has collected data on 2,471 Caucasian-American subjects and 2,300 African-American subjects, from five field centers in Alabama, Massachusetts, Minnesota, North Carolina, and Utah. HyperGEN participates as a discovery study using GWAS available in a large subset of the samples. The remaining AA subjects without GWAS data were genotyped on the Affymetrix Axiom chip as part of a HyperGEN admixture mapping ancillary study. After excluding subjects already included in the original HyperGEN (or with family members included), this subset of approximately 450 AA subjects are included in the HyperGEN-AXIOM study which participates in replications.

Shetty PB, Tang H, Tayo BO, Morrison AC, Hanis CL, Rao DC, Young JH, Fox ER, Boerwinkle E, Cooper RS, Risch NJ, Zhu X; Candidate Gene Association Resource (CARe) Consortium. Variants in CXADR and F2RL1 are associated with blood pressure and obesity in African-Americans in regions identified through admixture mapping. J Hypertens. 2012 Oct;30(10):1970-6. PMID:22914544

INGI-CARL & INGI-FVG (Italian Network Genetic Isolates): INGI-FVG and INGI-CARL studies include samples coming from isolated populations and belong to the Italian Network of Genetic Isolates (INGI). The Carlantino cohort (INGI-CARL) is a population-based study including approximately 1000 samples from an isolated village of Southern Italy. INGI-CARL examined about 1000 subjects between 1998 and 2005 coming from a small village of the South of Italy situated in the extreme northern part of Puglia Region, while INGI-FVG involved about 1700 subjects between 2008 and 2011 coming from six different villages located in the North-East of Italy in Friuli Venezia Giulia region. A questionnaire was administered to each participant to obtain socio-demographic information, as well as data on professional activity, family history, eating habits and lifestyle, such as smoking, coffee and alcohol consumption, physical activity. Furthermore, a medical screening, including anamnesis, blood pressure, drugs and clinical chemistry evaluation (blood count and different biochemical parameters, such as lipids) were made. All participants gave their written informed consent.

IRAS (Insulin Resistance Atherosclerosis Study): The Insulin Resistance Atherosclerosis Study (IRAS) was an epidemiologic cohort study designed to examine the relationship between insulin resistance and carotid atherosclerosis across a range of glucose tolerance. Individuals of self-reported Mexican-American ethnicity were recruited in San Antonio, TX and San Luis Valley, CO. Recruitment was balanced across age and glucose tolerance status. Inclusion of IRAS data is limited to 194 normoglycemic individuals with genotype data from the Illumina OmniExpress and Omni 1S arrays and imputation to the 1000 Genome Integrated Reference Panel (phase I).

IRAS Family Study (Insulin Resistance Atherosclerosis Study): The IRASFS was a family study designed to examine the genetic and epidemiologic basis of glucose homeostasis traits and abdominal adiposity. Briefly, self-reported Mexican American pedigrees were recruited in San Antonio, TX and San Luis Valley, CO. Probands with large families were recruited from the initial non-family-based IRAS, which was modestly enriched for impaired glucose tolerance and T2D. Inclusion of IRASFS data is limited to 1040 normoglycemic individuals in 88 pedigrees with genotype data from the Illumina OmniExpress and Omni 1S arrays and imputation to the 1000 Genome Integrated Reference Panel (phase I).

JUPITER (Justification for the Use of Statins in Primary Prevention: An Intervention Trial Evaluating Rosuvastatin): Genetic analysis was performed in a sub-population from JUPITER (Justification for the Use of statins in Prevention: an Intervention Trial Evaluating Rosuvastatin), an international, randomized, placebo-controlled trial of rosuvastatin (20mg/day) in the primary prevention of cardiovascular disease conducted among apparently healthy men and women with LDL-C < 130 mg/dL and hsCRP ≥ 2 mg/L (PMIDs: 18997196, 22331829). Individuals with diabetes or triglyceride concentration >500mg/dL were excluded. The present analysis includes only individuals who provided consent for genetic analysis, had successfully collected genotype information, and who had either verified European or verified South African black ancestry.

KORA (Cooperative Health Research in the Augsburg Region): The KORA study is a series of independent population-based epidemiological surveys of participants living in the region of Augsburg, Southern Germany. All survey participants are residents of German nationality identified through the registration office and were examined in 1994/95 (KORA S3) and 1999/2001 (KORA S4). In the KORA S3 and S4 studies 4,856 and 4,261 subjects have been examined implying response rates of 75% and 67%, respectively. 3,006 subjects participated in a 10-year follow-up examination of S3 in 2004/05 (KORA F3), and 3080 of S4 in 2006/2008 (KORA F4). The age range of the participants was 25 to 74 years at recruitment. Informed consent has been given by all participants. The study has been approved by the local ethics committee. Individuals for genotyping in KORA F3 and KORA F4 were randomly selected and these genotypes are taken for the analysis of the phenotypes in KORA S3 and KORA S4.

LBC1936 (Lothian Birth Cohort 1936): LBC1936 consists of 1091 (548 male) relatively healthy individuals who underwent cognitive and medical testing at a mean age of 69.6 years (SD = 0.8). They were born in 1936, most took part in the Scottish Mental Survey of 1947, and almost all lived independently in the Lothian region of Scotland.[1]

(1) Deary IJ, Gow AJ, Pattie A, Starr JM. Cohort profile: the Lothian Birth Cohorts of 1921 and 1936. Int J Epidemiol 2012;41:1576-1584.

Lifelines (Netherlands Biobank): Lifelines (https://lifelines.nl/) is a multi-disciplinary prospective population-based cohort study using a unique three-generation design to examine the health and health-related behaviors of 165,000 persons living in the North East region of The Netherlands. It employs a broad range of investigative procedures in assessing the biomedical, socio-demographic, behavioral, physical and psychological factors which contribute to the health and disease of the general population, with a special focus on multimorbidity. In addition, the Lifelines project comprises a number of cross-sectional sub-studies which investigate specific age-related conditions. These include investigations into metabolic and hormonal diseases, including obesity, cardiovascular and renal diseases, pulmonary diseases and allergy, cognitive function and depression, and musculoskeletal conditions. All survey participants are between 18 and 90 years old at the time of enrollment. Recruitment has been going on since the end of 2006, and over 130,000 participants had been included by April 2013. At the baseline examination, the participants in the study were asked to fill in a questionnaire (on paper or online) before the first visit. During the first and second visit, the first or second part of the questionnaire, respectively, are checked for completeness, a number of investigations are conducted, and blood and urine samples are taken. Lifelines is a facility that is open for all researchers. Information on application and data access procedure is summarized on www.lifelines.nl.

Scholtens S, Smidt N, Swertz MA, Bakker SJ, Dotinga A, Vonk JM, et al. Cohort Profile: LifeLines, a three-generation cohort study and biobank. Int J Epidemiol. 2014 Dec 14.

LLFS (The Long Life Family Study): LLFS is a family-based cohort study, including four clinical centers: Boston University Medical Center in Boston, MA, USA, Columbia University College of Physicians and Surgeons in New York City, NY, USA, the University of Pittsburgh in Pittsburgh PA, USA, and University of

Southern Denmark, Denmark. The study characteristics, recruitment, eligibility and enrollment have been previously described (Pedersen et al., 2006, PMID: 17150149; Sebastiani et al., 2009, PMID: 19910380; Newman et al., 2011, PMID: 21258136). In brief, the LLFS was designed to determine genetic, behavioral, and environmental factors related to families of exceptionally healthy, elderly individuals. Phase 1 was conducted between 2006 and 2009 recruiting 4,953 individuals from 539 families. The probands were at least 79 years old in the USA centers, and 90 years old or above in Denmark. The families were selected to participate in the study based on The Family Longevity Selection Score (FLoSS) (Sebastiani et al., 2009, PMID: 19910380), a score generated according to birth-year cohort survival probabilities of the proband and siblings; probands and their families with FLoSS score of 7 or higher, at least one living sibling, and at least one living offspring (minimum family size of 3), who were able to give informed consent and willing to participate were recruited. The individuals were genotyped using ~2.3 million SNPs from the Illumina Omni chip, and then imputed on phased 1000 Genomes with Cosmopolitan data as a reference using MACH and MINIMAC. After excluding participants with 80 years and older, ~3,200 individuals have been included in the analyses for replication.

LOLIPOP (London Life Sciences Prospective Population Study): LOLIPOP is a population based prospective study of about 28K Indian Asian and European men and women, recruited from the lists of 58 General Practitioners in West London, United Kingdom between 2003 and 2008 [1]. Indian Asians had all four grandparents born on the Indian subcontinent. Europeans were of self-reported white ancestry. At enrolment all participants completed an interviewer-administered questionnaire for demographic data, medical history, and smoking and alcohol drinking habits. Anthropometric data were collected and blood pressure measured using an Omron 705CP with the mean of three measurements recorded. Blood samples were collected for the measurement of lipid profile after an overnight fasting of at least 8 hours. Aliquots of whole blood were stored at -80C for extraction of genomic DNA. The LOLIPOP study is approved by the local Research Ethics Committees and all participants provided written informed consent.

Loyola GxE (Kingston Gene-by-environment; subset of International Collaborative Study of Hypertension in Blacks (ICSHIB)): The Kingston GxE cohort was obtained from a survey conducted in Kingston, Jamaica as part of a larger project to examine gene by environment interactions in the determination of blood pressure among adults 25-74 years [PMID: 9103091]. The principal criterion for eligibility was a body mass index in either the top or bottom third of BMI for the Jamaican population. Participants were identified principally from the records of the Heart Foundation of Jamaica, a non-governmental organization based in Kingston, which provides low-cost screening services (height and weight, blood pressure, glucose, cholesterol) to the general public. Other participants were identified from among participants in family studies of blood pressure at the Tropical Metabolism Research Unit (TMRU) and from among staff members at the University of the West Indies, Mona.

Loyola SPT (Spanish Town; subset of International Collaborative Study of Hypertension in Blacks (ICSHIB)): Participants were recruited from Spanish Town, a stable, residential urban area neighboring the capital city of Kingston, Jamaica as part of the ICSHIB [PMID: 9103091]. A stratified random sampling scheme was used to recruit adult males and females aged 25–74 years from the general population. Spanish Town was chosen because its demographic make-up was broadly representative of Jamaica as a whole.

METSIM (Metabolic Syndrome In Men): The METSIM Study includes 10,197 men, aged from 45 to 73 years at recruitment, randomly selected from the population register of the Kuopio town, Eastern Finland, and examined in 2005-2010 (Stancakova A, et al. Diabetes 2009). The aim of the study is to investigate genetic and non-genetic factors associated with type 2 diabetes and cardiovascular disease and its risk factors.

Stancakova A, Javorsky M, Kuulasmaa T, Haffner SM, Kuusisto J, Laakso M: Changes in insulin sensitivity and insulin release in relation to glycemia and glucose tolerance in 6416 Finnish men. Diabetes 58:1212-1221, 2009.

NESDA (Netherlands Study of Depression and Anxiety): NESDA is a multi-center study designed to examine the long-term course and consequences of depressive and anxiety disorders (http://www.nesda.nl). NESDA included both individuals with depressive and/or anxiety disorders and controls without psychiatric conditions. Inclusion criteria were age 18-65 years and self-reported western European ancestry while exclusion criteria were not being fluent in Dutch and having a primary diagnosis of another psychiatric condition (psychotic disorder, obsessive compulsive disorder, bipolar disorder, or severe substance use disorder).

OBA (French obese cases): Study of the genetics of obesity in adults.

Pelotas Birth Cohort Study (The 1982 Pelotas Birth Cohort Study, Brazil): The maternity hospitals in Pelotas, a southern Brazilian city (current population ~330,000), were visited daily in the year of 1982. The 5,914 liveborns whose families lived in the urban area were examined and their mothers interviewed. Information was obtained for more than 99% of the livebirths. These subjects have been followed-up at the following mean ages: 11.3 months (all children born from January to Abril 1982; n=1457), 19.4 months (entire cohort; n=4934), 43.1 months (entire cohort; n=4742), 13.1 years (random subsample; n=715), 14.7 years (systematic subsample; n=1076); 18.2 (male cohorts attending to compulsory Army recruitment examination; n=2250), 18.9 (systematic subsample; n=1031), 22.8 years (entire cohort; n=4297) and 30.2 years (entire cohort; n=3701). Details about follow-up visits and available data can be found in the two Cohort Profile papers (PMID: 16373375 and 25733577). DNA samples (collected at the mean age of 22.8 years) were genotyped for ~2.5 million of SNPs using the Illumina HumanOmni2.5-8v1 array (which includes autosomal, X and Y chromosomes, and mitochondrial variants). After quality control, the data were prephased using SHAPEIT and imputed using IMPUTE2 based on 1000 Genomes haplotypes.

PREVEND (The Prevention of REnal and Vascular ENd stage Disease study): The PREVEND study is an ongoing prospective study investigating the natural course of increased levels of urinary albumin excretion and its relation to renal and cardiovascular disease. Inhabitants 28 to 75 years of age (n=85,421) in the city of Groningen, The Netherlands, were asked to complete a short questionnaire, 47% responded, and individuals were then selected with a urinary albumin concentration of at least 10 mg/L (n = 7,768) and a randomly selected control group with a urinary albumin concentration less than 10 mg/L (n = 3,395). Details of the protocol have been described elsewhere (Hillege HL et al. Circulation 2002;106:1777-82).

PROCARDIS (Precocious Coronary Artery Disease): The PROCARDIS (European collaborative study of the genetics of precocious coronary artery disease) study is a multi-centre case-control study in which CAD cases and controls were recruited from the United Kingdom, Italy, Sweden and Germany. Cases were defined as symptomatic CAD before age 66 years and 80% of cases also had a sibling in whom CAD had been diagnosed before age 66 years. CAD was defined as clinically documented evidence of myocardial infarction (MI) (80%), coronary artery bypass graft (CABG) (10%), acute coronary syndrome (ACS) (6%), coronary angioplasty (CA) (1%) or stable angina (hospitalization for angina or documented obstructive coronary disease) (3%). The cases included 2,136 cases who were half or full siblings. PROCARDIS controls had no personal or sibling history of CAD before age 66 years.

RHS (Ragama Health Study): The Ragama Health Study (RHS) is a population-based study of South Asian men and women aged 35-64yrs living in the Ragama Medical Officer of Health (MOH) area, near Colombo, Sri Lanka.* Consenting adults attended a clinic after a 12-h fast with available health records, and were interviewed by trained personnel to obtain information on medical, sociodemographic, and lifestyle variables. A 10-mL sample of venous blood was obtained from each subject. The concurrent study was performed in two tea plantation estates in the Lindula MOH area, near Nuwara Eliya (180 km from Colombo), to investigate the gene-environment interaction in a community with differing lifestyles (e.g., physical activity and diet).. The RHS is a collaborative effort between the Faculty of Medicine, University of Kelaniya and the National Center for Global Health and Medicine, Japan.

*Reference: Dassanayake, A.S. et al. Prevalence and risk factors for non-alcoholic fatty liver disease among adults in an urban Sri Lankan population. J Gastroenterol Hepatol 24, 1284-8 (2009).

SHEEP (Stockholm Heart Epidemiology Project): The SHEEP is a population based case-control study of risk factors for first episode of acute myocardial infarction. The study base comprised all Swedish citizens resident in the Stockholm county 1992-1994 who were 45-70 years of age and were free of previous clinically diagnosed myocardial infarction.

Cases were identified using three different sources: 1) coronary units and internal medicine wards for acute care in all Stockholm hospitals; 2) the National Patient Register; and 3) death certificates. For the present study, only cases who survived at least 28 days were considered (n=1213).

First time incident myocardial infarction cases (n=1213) were identified during a 2-year period (1992-1993) for men and during a 3-year period (1992-1994) for women. Controls (n=1561) were randomly recruited from the study population continuously over time within 2 days of the case occurrence and matched to cases on age (5-years interval), sex and hospital catchment area using computerized registers of the population of Stockholm. Five control candidates were sampled simultaneously to be able to replace potential non-respondent controls. Occasionally, because of late response of the initial control, both the first and alternative controls were considered resulting in the inclusion of more controls than cases. Postal questionnaires covering a wide range of exposure areas including occupational exposures, life style factors, social factors and health related factors were distributed to the participants. Clinical investigations were performed at least three months after myocardial infarction of cases and their matched controls. The investigations included blood samplings under fasting conditions with collection of whole blood for DNA extraction, serum and plasma. A biobank was established containing DNA, serum and plasma.

Exposure information based on both the questionnaire and biological data from the health examination was available for 78% of the male and 67% of the female non-fatal cases; the corresponding figures for their controls were 68% and 64%.

SHIP (Study of Health in Pomerania): The Study of Health In Pomerania (SHIP) is a prospective longitudinal population-based cohort study in Mecklenburg-West Pomerania assessing the prevalence and incidence of common diseases and their risk factors (PMID: 20167617). SHIP encompasses the two independent cohorts SHIP and SHIP-TREND. Participants aged 20 to 79 with German citizenship and principal residency in the study area were recruited from a random sample of residents living in the three local cities, 12 towns as well as 17 randomly selected smaller towns. Individuals were randomly selected stratified by age and sex in proportion to population size of the city, town or small towns, respectively. A total of 4,308 participants were recruited between 1997 and 2001 in the SHIP cohort. Between 2008 and 2012 a total of 4,420 participants were recruited in the SHIP-TREND cohort. Individuals were invited to the SHIP study centre for a computer-assisted personal interviews and extensive physical examinations. The study protocol was approved by the medical ethics committee of the University of Greifswald. Oral and written informed consents was obtained from each of the study participants

Genome-wide SNP-typing was performed using the Affymetrix Genome-Wide Human SNP Array 6.0 or the Illumina Human Omni 2.5 array (SHIP-TREND samples). Array processing was carried out in accordance with the manufacturer's standard recommendations. Genotypes were determined using GenomeStudio Genotyping Module v1.0 (GenCall) for SHIP-TREND and the Birdseed2 clustering algorithm for SHIP. Imputation of genotypes in SHIP and SHIP-TREND was performed with the software IMPUTE v2.2.2 based on 1000 Genomes release March 2012.

SWHS/SMHS (Shanghai Women's Health Study/ Shanghai Men's Health Study): The Shanghai Women's Health Study (SWHS) is an ongoing population-based cohort study of approximately 75,000 women who were aged 40-70 years at study enrollment and resided in in urban Shanghai, China; 56,832 (75.8%) provided a blood

samples. Recruitment for the SWHS was initiated in 1997 and completed in 2000. The self-administered questionnaire includes information on demographic characteristics, disease and surgery histories, personal habits (such as cigarette smoking, alcohol consumption, tea drinking, and ginseng use), menstrual history, residential history, occupational history, and family history of cancer. Included in the current project were 892 women who had GWAS data and lipids data.

The Shanghai Men's Health Study (SMHS) is an ongoing population-based cohort study of 61,480 Chinese men who were aged between 40 and 74 years, were free of cancer at enrollment, and lived in urban Shanghai, China; 45,766 (74.4%) provided a blood samples. Recruitment for the SMHS was initiated in 2002 and completed in 2006. The self-administered questionnaire includes information on demographic characteristics, disease and surgery histories, personal habits (such as cigarette smoking, alcohol consumption, tea drinking, and ginseng use), residential history, occupational history, and family history of cancer. Included in the current project were 298 men who had GWAS data and lipids data.

Genotyping and imputation: Genomic DNA was extracted from buffy coats by using a Qiagen DNA purification kit (Valencia, CA) or Puregene DNA purification kit (Minneapolis, MN) according to the manufacturers' instructions and then used for genotyping assays. The GWAS genotyping was performed using the Affymetrix Genome-Wide Human SNP Array 6.0 (Affy6.0) platform or Illumina 660, following manufacturers' protocols. After sample quality control, we exclude SNPs with 1) MAF <0.01; 2) call rate <95%; 2) bad genotyping cluster; and 3) concordance rate <95% among duplicated QC samples. Genotypes were imputed using the program MACH (http://www.sph.umich.edu/csg/abecasis/MACH/download/), which determines the probable distribution of missing genotypes conditional on a set of known haplotypes, while simultaneously estimating the fine-scale recombination map. Phased autosome SNP data from HapMap Phase II Asians (release 22) were used as the reference. To test for associations between the imputed SNP data with BMI, linear regression (additive model) was used, in which SNPs were represented by the expected allele count, an approach that takes into account the degree of uncertainty of genotype imputation (http://www.sph.umich.edu/csg/abecasis/MACH/download/).

The lipid profiles were measured at Vanderbilt Lipid Laboratory. Total cholesterol, high-density lipoprotein (HDL) cholesterol, and triglycerides (TG) were measured using an ACE Clinical Chemistry System (Alfa Wassermann, Inc, West Caldwell, NJ). Low-density lipoprotein (LDL) cholesterol levels were calculated by using the Friedwald equation. The levels of LDL cholesterol were directly measured using an ACE Clinical Chemistry System for subjects with TG levels ≥ 400 mg/dL. Fasting status was defined as an interval between the last meal and blood draw of 8 hours or longer.

TAICHI-G: The TaiChi consortium consists of 7 studies that collaborated initially in a large scale metabochip study, and became an ongoing consortium for studies of cardiometabolic disease in the Chinese population in Taiwan. The seven studies included the following: 1) HALST (Healthy Aging Longitudinal Study in Taiwan), a population based epidemiologic study of older adults living in all major geographic regions of Taiwan established by the Taiwan National Health Research Institutes (NHRI); 2) SAPPHIRe (Stanford-Asian Pacific Program in Hypertension and Insulin Resistance), a family based study established in 1995 with an initial goal of identifying major genetic loci underlying hypertension and insulin resistance in East Asian populations, with Taiwan subjects participating in the TaiChi consortium; 3) TCAGEN (Taiwan Coronary Artery Disease GENetic), a cohort study that that enrolled patients undergoing coronary angiography or percutaneous intervention at the National Taiwan University Hospital (NTUH) in the setting of either stable angina pectoris or prior myocardial infarction; 4) TACT (TAiwan Coronary and Transcatheter intervention), a cohort study enrolled patients with angina pectoris and objective documentation of myocardial ischemia who underwent diagnostic coronary angiography and/or revascularization any time after October 2000 at the National Taiwan University Hospital (NTUH) (similar to TCAGEN but recruitment was independent of TCAGEN); 5) Taiwan DRAGON (Taiwan Diabetes and RelAted Genetic COmplicatioN), acohort study of Type 2 diabetes at Taichung Veterans General Hospital (Taichung VGH) in Taiwan, with participants including individuals with either newly diagnosed or established diabetes

(subjects with hyperglycemia who did not meet diagnostic criteria for Type 2 DM were not included); 6) TCAD (Taichung CAD study), includes patients with a variety of cardiovascular diseases who received care at the Taichung Veterans General Hospital (Taichung VGH), i.e. specifically individuals who were hospitalized for diagnostic and interventional coronary angiography examinations and treatment; 7) TUDR (Taiwan US Diabetic Retinopathy) enrolled subjects with Type 2 diabetes who received care at Taichung Veteran General Hospital (Taichung VGH), and a small number of subjects from Taipei Tri-Service General Hospital (TSGH); TUDR subjects underwent a complete ophthalmic and fundus examination to carefully document the presence and extent of retinopathy. From these 7 studies, samples for over 1,800 subjects were selected based on completeness of standard metabolic phenotyping and knowledge of cardiac disease status, to undergo GWAS genotyping with an Illumina human-omni 'chip' specific for Asian population (Illumina, San Diego, CA; cat. No. 20004337), hence TAICHI-G.

THRV (Taiwan study of Hypertensives Rare Variants): THRV proposed to identify rare and low frequency genetic variants for blood pressure and hypertension through whole exome sequencing of a subset of highly enriched Taiwan Chinese hypertensive families and as many matched controls. The Taiwan Chinese families (approximately N=1,200 subjects) were previously recruited as part of the NHLBI-sponsored SAPPHIRe Network which is part of the Family Blood Pressure Program (FBPP). The SAPPHIRe families were recruited to have multiple hypertensive sibs and some of them also included one normotensive/hypotensive sib. The matched controls (N=1,200) were selected from the large population-based HALST Study and a Hospital-based population, both in Taipei, Taiwan.

TRAILS (Tracking Adolescents' Individual Lives Survey): TRAILS is a prospective cohort study of Dutch adolescents and young adults, with bi- or triennial measurements from age 11 onwards, which started in 2001. TRAILS consists of a general population and a clinical cohort (https://www.trails.nl/en/home). In the population cohort, six assessment waves have been completed to date, at mean ages 11.1 (SD = 0.6), 13.6 (SD = 0.5), 16.3 (SD = 0.7), 19.1 (SD = 0.6), 22.3 (SD = 0.6), and 25.8 (SD = 0.6). Data for the present study were collected in the population cohort only, during the third assessment wave. The study was approved by the Dutch Central Committee on Research Involving Human Subjects.

TUDR (Taiwan-US Diabetic Retinopathy): 2009 to present, is a cohort that enrolled subjects with Type 2 diabetes receiving care at Taichung Veteran General Hospital (Taichung VGH), and a small number of subjects from Taipei Tri-Service General Hospital. All TUDR subjects underwent a complete ophthalmic and fundus examination to carefully document the presence and extent of retinopathy.

TWINGENE (TwinGene of the Swedish Twin Registry): The aim of the TwinGene project has been to systematically transform the oldest cohorts of the Swedish Twin Registry (STR) into a molecular-genetic resource. Beginning in 2004, about 200 twins were contacted each month until the data collection was completed in 2008. A total of 21 500 twins were contacted where of 12 600 participated. Invitations to the study contained information of the study and its purpose. Along with the invitations consent forms and health questionnaire were sent to the subjects. When the signed consent forms where returned, the subjects were sent blood sampling equipment and asked to contact a local health facility for blood sampling. The study population was recruited among twins participating in the Screening Across the Lifespan Twin Study (SALT) which was a telephone interview study conducted in 1998-2002. Other inclusion criteria were that both twins in the pair had to be alive and living in Sweden. Subjects were excluded from the study if they preciously declined participation in future studies or if they had been enrolled in other STR DNA sampling projects. The subjects were asked to make an appointment for a health check-up at their local health-care facility on the morning Monday to Thursday and not the day before a national holiday, this to ensure that the sample would reach the KI biobank the following morning by overnight mail. The subjects were instructed to fast from 20.00 the previous night. By venipuncture a total of 50 ml of blood was drawn from each subject. Tubes with serum and blood for biobanking as well as for clinical chemistry tests were sent to KI by overnight mail. One 7ml EDTA tube of whole blood is stored in -80°C while

a second 7ml EDTA tube of blood is used for DNA extraction using Puregene extraction kit (Gentra systems, Minneapolis, USA). After excluding subjects in which the DNA concentration in the stock-solution was below 20ng/µl as well as subset of 302 female monozygous twin pairs participating in a previous genome wide effort DNA from 9896 individual subjects was sent to SNP&SEQ Technology Platform Uppsala, Sweden for genome wide genotyping with Illumina OmniExpress bead chip (all available dizygous twins + one twin from each available MZ twin pair). For this project, smoking status was determined during SALT (1998-2002), while blood draw for lipids measurement was conducted between 2004 and 2008.

UKHLS (Understanding Society / The UK Household Longitudinal Study): The United Kingdom Household Longitudinal Study, also known as Understanding Society (https://www.understandingsociety.ac.uk) is a longitudinal panel survey of 40.000 UK households (England, Scotland, Wales and Northern Ireland) representative of the UK population. Participants are surveyed annually since 2009 and contribute information relating to their socioeconomic circumstances, attitudes, and behaviours via a computer assisted interview. The study includes phenotypical data for a representative sample of participants for a wide range of social and economic indicators as well as a biological sample collection encompassing biometric, physiological, biochemical, and haematological measurements and self-reported medical history and medication use. The United Kingdom Household Longitudinal Study has been approved by the University of Essex Ethics Committee and informed consent was obtained from every participant. For this project, smoking status was determined at wave 2, while blood draws were conducted 5 months after wave 2 and 3 interviews; thus smoking status and lipid measurements were between 5 and 17 months apart.

YFS (The Cardiovascular Risk in Young Finns Study): The YFS is a population-based follow up-study started in 1980. The main aim of the YFS is to determine the contribution made by childhood lifestyle, biological and psychological measures to the risk of cardiovascular diseases in adulthood. In 1980, over 3,500 children and adolescents all around Finland participated in the baseline study. The follow-up studies have been conducted mainly with 3-year intervals. The latest 30-year follow-up study was conducted in 2010-11 (ages 33-49 years) with 2,063 participants. The study was approved by the local ethics committees (University Hospitals of Helsinki, Turku, Tampere, Kuopio and Oulu) and was conducted following the guidelines of the Declaration of Helsinki. All participants gave their written informed consent.

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Supplementary Table 1: Sample Size of Stage 1 Studies

E0: Unexposed Individuals (e.g. Non-smokers and Never Smokers), E1: Exposed Individuals (e.g. Cur

Ancestry	Cohort	HDL						
		CurSmk			EverSmk			
		N	E0	E1	N	E0	E1	N
African	ARIC	2726	1928	808	2728	1257	1477	2479
	Bio*Me* Biobank	1558	1218	340	1558	978	580	1579
	CARDIA	906	640	266	906	562	344	906
	CHS	724	604	120	724	341	383	703
	FamHS	607	466	141	607	306	301	598
	GENOA	940	747	196	940	532	408	922
	HANDLS	902	451	451	902	269	633	861
	Health ABC	1091	919	172	1094	483	611	1081
	HUFS	1669	861	808	1669	664	1005	1663
	HyperGEN	1230	890	340	1230	628	602	1191
	JHS	1988	1709	279	1988	1373	615	1966
	MESA	1651	1345	306	1651	744	907	1644
	WHI-SHARE	7756	6863	893	7756	3729	4027	7755
	Total	***23748***	***18641***	***5120***	***23753***	***11866***	***11893***	***23348***
Asian	GenSalt	1813	1236	577	1813	1174	639	1790
	MESA	747	704	43	747	564	183	734
	SCES	1781	1559	222	1781	1317	464	1781
	SCHSMI-Cases	719	474	245	719	375	344	719
	SCHSMI-Controls	1282	985	297	1282	775	507	1282
	SIMES	2339	1856	483	2339	1424	915	2339
	SINDI	2400	2061	339	2400	1778	622	2400
	SP2-1M	948	823	125	948	717	231	937
	SP2-610	1142	1079	63	1142	1022	120	1135
	Total	***13171***	***10777***	***2394***	***13171***	***9146***	***4025***	***13117***
European	AGES	2411	2066	345	2411	971	1440	2409
	ARIC	9452	7117	2335	9453	3780	5673	9052
	Bio*Me* Biobank	684	623	62	685	489	196	689
	CARDIA	1620	1225	395	1620	944	676	1613
	CHS	2971	2614	357	2971	1379	1592	2908
	Croatia-Korcula	456	344	112	456	219	237	456
	Croatia-VIS	471	334	137	471	194	277	471
	ERF	2567	1546	1021	2567	782	1785	2542
	FamHS	3553	3044	509	3553	1916	1637	3552
	Framingham	7211	5203	2008	7214	3442	3772	7134
	GENOA	1063	895	168	1063	529	534	1026
	GS:SFHS	6516	5514	1002	6516	3347	3169	
	Health ABC	1633	1531	102	1634	697	937	1599
	HERITAGE	500	425	75	500	309	191	500
	HyperGEN	1240	1126	114	1240	818	422	1171
	MESA	2584	2287	297	2584	1140	1444	2552

	NEO	5727	4811	916	5727	1956	3771	5650
	RS (RS1)	3250	2577	673	3250	1118	2132	2941
	RS (RS2)	1984	1579	405	1984	583	1401	1929
	RS (RS3)	2967	2292	675	2967	937	2030	2918
	WGHS	23141	20447	2694	23141	11782	11359	23141
	WHI-GARNET	3305	2933	372	3305	905	2400	3305
	WHIMS	4960	4605	355	4960	2560	2400	4960
	Total	***90266***	***75138***	***15129***	***90272***	***40797***	***49475***	***82518***
Hispanic	Bio*Me* Biobank	1961	1625	336	1961	1298	663	2023
	MESA	1455	1259	196	1455	777	678	1422
	WHI-SHARE	3204	2989	215	3204	2001	1203	3201
	Total	***6620***	***5873***	***747***	***6620***	***4076***	***2544***	***6646***
TOTAL (All Ancestry Groups)		***133805***	***110429***	***23390***	***133816***	***65885***	***67937***	***125629***

rent Smokers and Ever Smokers)

LDL					Triglycerides				
CurSmk			EverSmk			CurSmk			EverSmk
E0	E1	N	E0	E1	N	E0	E1	All	E0
1768	719	2481	1156	1329	2531	1800	739	2533	1180
1234	345	1579	978	592	1588	1243	345	1588	994
640	266	906	562	344	906	640	266	906	562
585	118	703	332	371	708	590	118	708	335
460	138	598	302	296	607	466	141	607	306
735	187	922	527	395	940	747	193	940	532
432	429	861	258	603	864	434	430	864	259
910	171	1084	477	607	1092	920	172	1095	484
857	806	1663	662	1001	1674	861	813	1674	664
869	322	1191	614	577	1197	870	327	1197	614
1690	276	1966	1360	606	1988	1709	279	1988	1374
1341	303	1644	743	901	1652	1346	306	1652	744
6863	893	7755	3729	4027	7756	6863	893	7756	3729
18384	***4973***	***23353***	***11700***	***11649***	***23503***	***18489***	***5022***	***23508***	***11777***
1223	567	1790	1165	625	1813	1236	577	1813	1174
694	40	734	555	179	747	704	43	747	564
1559	222	1781	1317	464					
474	245	719	375	344					
985	297	1282	775	507					
1856	483	2339	1424	915					
2061	339	2400	1778	622					
816	121	937	711	226	948	823	125	948	717
1074	61	1135	1018	117	1141	1078	63	1141	1022
10742	***2375***	***13117***	***9118***	***3999***	***4649***	***3841***	***808***	***4649***	***3477***
2064	345	2409	971	1438	2411	2066	345	2411	971
6849	2203	9052	3649	5403	9248	6995	2253	9248	3714
627	62	689	493	196	691	629	62	691	495
1222	391	1613	942	671	1619	1224	395	1619	943
2556	352	2908	1345	1563	2949	2593	356	2949	1366
344	112	456	219	237	456	344	112	456	219
334	137	471	194	277	471	334	137	471	194
1534	1008	2542	777	1765	2566	1546	1020	2566	782
3043	509	3552	1915	1637	3553	3044	509	3553	1916
5151	1983	7137	3409	3728	7223	5210	2013	7226	3448
869	157	1026	515	511	1063	895	168	1063	529
1499	100	1600	682	918	1634	1532	102	1635	698
425	75	500	309	191	500	425	75	500	309
1067	104	1171	782	389	1227	1114	113	1227	812
2263	289	2552	1126	1426	2586	2289	297	2586	1142

4757	893	5650	1937	3713	5727	4811	916	5727	1956
2345	596	2941	1024	1917	3212	2553	659	3212	1123
1530	399	1929	560	1369	1970	1565	405	1970	576
2255	663	2918	920	1998	2967	2293	674	2967	937
20447	2694	23141	11782	11359	16705	14740	1965	16705	8553
2933	372	3305	905	2400	3305	2933	372	3305	905
4605	355	4960	2560	2400	4960	4605	355	4960	2560
68719	***13799***	***82522***	***37016***	***45506***	***77043***	***63740***	***13303***	***77047***	***34148***
1671	352	2023	1332	691	2046	1693	353	2046	1345
1234	188	1422	762	660	1455	1259	196	1455	777
2989	215	3201	2001	1203	3204	2989	215	3204	2001
5894	***755***	***6646***	***4095***	***2554***	***6705***	***5941***	***764***	***6705***	***4123***
103739	***21902***	***125638***	***61929***	***63708***	***111900***	***92011***	***19897***	***111909***	***53525***

	Smoking Prevalence	
E1	**CurSmk**	**EverSmk**
1357	0.30	0.54
594	0.22	0.37
344	0.29	0.38
373	0.17	0.53
301	0.23	0.50
408	0.21	0.43
605	0.50	0.70
611	0.16	0.56
1010	0.48	0.60
583	0.28	0.49
614	0.14	0.31
908	0.19	0.55
4027	0.12	0.52
11735	***0.22***	***0.50***
639	0.32	0.35
183	0.06	0.24
	0.12	0.26
	0.34	0.48
	0.23	0.40
	0.21	0.39
	0.14	0.26
231	0.13	0.24
119	0.06	0.11
1172	***0.18***	***0.31***
1440	0.14	0.60
5534	0.25	0.60
196	0.09	0.29
676	0.24	0.42
1583	0.12	0.54
237	0.25	0.52
277	0.29	0.59
1784	0.40	0.70
1637	0.14	0.46
3778	0.28	0.52
534	0.16	0.50
	0.15	0.49
937	0.06	0.57
191	0.15	0.38
415	0.09	0.34
1444	0.11	0.56

3771	0.16	0.66
2089	0.21	0.66
1394	0.20	0.71
2030	0.23	0.68
8152	0.12	0.49
2400	0.11	0.73
2400	0.07	0.48
42899	***0.17***	***0.55***
701	0.17	0.34
678	0.13	0.47
1203	0.07	0.38
2582	***0.11***	***0.38***
58388	***0.17***	***0.51***

Supplementary Table 2: Trait Distribution in Stage 1 Studies

Ancestry	Cohort	% Male	Age		N
			Mean	SD	
African	ARIC	37.61	53.40	5.77	2733
	Bio*Me* Biobank	54.48	64.94	6.90	1558
	CARDIA	38.85	24.44	3.80	906
	CHS	37.57	71.55	4.16	724
	FamHS	34.60	53.08	10.54	607
	GENOA	30.07	56.86	10.51	940
	HANDLS	45.23	48.43	9.06	902
	HUFS	42.86	73.44	2.89	1669
	Health ABC	37.87	42.60	14.10	1094
	HyperGEN	32.76	45.04	13.25	1230
	JHS	39.40	48.99	11.15	2136
	MESA	45.86	61.77	9.62	1600
	WHI-SHARE	0.00	61.58	7.01	7756
	Total	***36.70***	***54.32***	***8.37***	***23855***
Asian	GenSalt	52.95	39.27	8.93	1813
	MESA	49.00	61.75	9.90	748
	SCES	51.48	58.04	9.05	1781
	SCHSMI-Cases	64.39	66.78	7.82	719
	SCHSMI-Controls	63.06	66.48	7.78	1282
	SIMES	49.49	59.09	11.04	2339
	SINDI	50.88	57.63	9.59	2400
	SP2-1M	60.36	46.33	9.97	948
	SP2-610	20.74	48.65	11.14	1142
	Total	***51.37***	***56.00***	***9.47***	***13172***
European	AGES	42.00	76.41	5.46	2411
	ARIC	46.97	54.31	5.70	9471
	Bio*Me* Biobank	41.02	53.95	14.15	685
	CARDIA	46.54	25.55	3.34	1620
	CHS	38.03	71.20	4.03	2971
	Croatia-Korcula	44.53	48.19	14.11	456
	Croatia-VIS	47.62	51.77	13.29	471
	ERF	46.50	38.08	9.33	2567
	FamHS	43.89	54.69	10.74	3553
	Framingham	52.82	73.79	2.85	7224
	GENOA	48.90	35.84	14.56	1063
	GS:SFHS	49.60	49.80	13.83	6439
	HERITAGE	31.70	55.61	13.34	500
	Health ABC	40.00	54.86	14.85	1634
	HyperGEN	41.10	53.61	11.71	1240
	MESA	47.88	62.09	9.66	2590

	NEO	47.90	55.97	5.90	5727
	RS (RS1)	41.22	65.15	6.17	3250
	RS (RS2)	45.61	63.38	6.22	1984
	RS (RS3)	43.62	56.72	6.07	2967
	WGHS	0.00	54.70	7.12	23141
	WHI-GARNET	0.00	65.57	6.91	3305
	WHIMS	0.00	67.95	5.93	4960
	Total	***38.58***	***56.05***	***8.92***	***90229***
Hispanic	Bio*Me* Biobank	41.02	53.95	14.15	1961
	MESA	48.32	60.80	9.74	1454
	WHI-SHARE	0.00	60.30	6.69	3204
	Total	***29.78***	***58.35***	***10.19***	***6619***
	TOTAL (All Ancestry Groups)	***39.11***	***56.18***	***9.24***	***133875***

ln(HDL)		LDL			ln(Triglycerides)	
Mean	SD	N	Mean	SD	N	Mean
3.96	0.3	2484	138.5	42.67	2537	4.58
4.00	0.3	1579	117.4	48.3	1588	4.6
3.97	0.24	906	111.39	30.89	906	4.08
4.02	0.26	703	132.78	39.17	708	4.66
3.94	0.28	598	119.08	39	607	4.57
3.96	0.3	922	120.56	44.99	940	4.88
3.96	0.31	861	113.84	41.71	864	4.54
3.92	0.31	1673	116.9	39.82	1671	4.48
4.00	0.29	1084	129.61	40.95	1095	4.68
3.94	0.28	1191	121.64	39.89	1197	4.52
3.88	0.27	2136	122.3	42.96	2136	4.5
3.92	0.28	1593	123.88	36.91	1601	4.53
4.01	0.25	7755	150.98	43.99	7756	4.59
3.96	***0.28***	***23485***	***124.53***	***40.87***	***23606***	***4.55***
3.91	0.24	1790	96.3	27.83	1813	4.67
3.87	0.24	735	121.44	30.83	748	4.83
3.88	0.29	1781	138.94	35.5		
3.88	0.22	719	128.77	33.69		
3.92	0.23	1282	122.38	30.68		
3.93	0.23	2339	142.34	39.95		
3.68	0.29	2400	141.65	37.69		
3.91	0.27	937	127.38	32.83	948	4.61
4	0.24	1135	128.15	35.4	1141	4.55
3.89	***0.25***	***13118***	***127.48***	***33.82***	***4650***	***4.67***
4.07	0.28	2409	135.26	40.01	2411	4.58
3.87	0.32	9068	137.92	38.2	9265	4.78
4	0.4	689	117	43.2	691	4.6
3.92	0.24	1613	108.45	29.19	1619	4.22
3.97	0.28	2908	131.75	36.2	2949	4.85
4.03	0.23	456	149.5	40.47	456	4.7
3.75	0.17	471	125.41	35.18	471	4.91
3.87	0.28	2542	150.55	38.82	2566	4.65
3.86	0.29	3551	128.21	37.67	3553	4.85
3.93	0.29	7147	119.9	34.7	7236	4.44
3.9	0.3	1026	128.37	48.27	1063	5.13
0.36	0.28					
3.67	0.24	500	116.1	31.4	500	4.66
3.9	0.3	1600	126.29	35.34	1635	4.9
3.81	0.27	1171	121.52	35.95	1227	4.94
3.92	0.29	2558	125.74	32.1	2592	4.74

3.97	0.28	5650	145.4	36.1	5727	4.71
3.95	0.28	2941	151.66	35.51	3212	4.81
3.93	0.26	1929	149.96	34.89	1970	4.84
3.97	0.31	2918	144.78	40.67	2967	4.77
3.95	0.28	23141	124.34	34.45	16705	4.78
3.88	0.23	3305	159.91	38.91	3305	4.93
3.97	0.22	4960	157.35	38.73	4960	4.82
3.76	***0.27***	***82553***	***134.34***	***37.09***	***77080***	***4.76***
3.9	0.3	2023	119.5	46.9	2046	4.9
3.83	0.26	1421	126.41	35.77	1454	4.93
3.94	0.24	3201	145.75	39.22	3204	4.91
3.89	***0.27***	***6645***	***130.55***	***40.63***	***6704***	***4.91***
3.85	***0.27***	***125801***	***130.07***	***37.73***	***112040***	***4.70***

SD
0.47
0.6
0.44
0.43
0.52
0.45
0.48
0.5
0.43
0.51
0.54
0.48
0.45
0.48
0.51
0.52
0.56
0.53
0.53
0.45
0.51
0.5
0.5
0.43
0.48
0.48
0.52
0.57
0.62
0.46
0.49
0.49
0.59
0.53

0.54
0.43
0.45
0.48
0.54
0.47
0.45
0.50
0.6
0.51
0.46
0.52
0.50

Supplementary Table 3: Genotyping, Imputation, and Statistical Analysis for Stage 1 St

Cohort	Genotyping Platform
AGES	Illumina 370CNV
ARIC	Affymetrix 6.0 array
Bio*Me*	Illumina HumanOmniExpressExome
CARDIA (European Ancestry)	Affymetrix 6.0 array
CARDIA (African Ancestry)	Affymetrix 6.0 array
CHS (European Ancestry)	Illumina 370CNV/iSELECT
CHS (African Ancestry)	Illumina Human Omni1-Quad_v1 BeadChip
Croatia-Korcula	Illumina HumanHap 370 CNV Duo
Croatia-VIS	Illumina Infinium HumanHap 300 Beadchip
ERF	Illumina 6K/318K/350K/610K, Affymetrix 610K
FamHS (European Ancestry)	Illumina 550K/610K/1M
FamHS (African Ancestry)	Illumina 1M
Framingham	Affymetrix Nsp/Sty/50K gene-centric
GENOA	Affymetrix 6.0 / Illumina 1M-Duo
GenSalt	Affymetrix 6.0
GS:SFHS	Illumina HumanOmniPlusExome
HANDLS	Illumina 1M/1M-Duo/550K/370K/510S/240S
HERITAGE	Illumina 370CNV
HUFS	Affymetrix 6.0
Health ABC	Illumina 1M
HyperGEN (European Ancestry)	Affymetrix 5.0
HyperGEN (African Ancestry)	Affymetrix 5.0/6.0
JHS	Affymetrix 6.0
MESA	Affymetrix 6.0
NEO	Exome Chip
RS (RS1)	Illumina 550-Duo/610 Quad
RS (RS2)	Illumina 550-Duo
RS (RS3)	Illumina 610 Quad
SCES	Illumina 610
SCHSMI-Cases	Illumina Omni Zhonghua-8
SCHSMI-Controls	Illumina Omni Zhonghua-8
SIMES	Illumina 610
SINDI	Illumina 610
SP2-1M	Illumina 1M
SP2-610	Illumina 610
WGHS	Illumina HumanHap 300 DuoPlus
WHI-GARNET	Illumina HumanOmni1-Quad v1-0 B
WHI-SHARE	Affymetrix 6.0
WHI-WHIMS	Illumina HumanOmniExpressExome-8v1_B

udies

Imputation Software	Association Test
MaCH/minimac	ProbABEL
ShapeIt/IMPUTE2	ProbABEL
IMPUTE2	ProbABEL
BEAGLE	
MaCH/minimac	ProbABEL
MaCH/minimac	R/sandwich
IMPUTE2	R/sandwich
ShapeIt/IMPUTE2	ProbABEL
ShapeIt/IMPUTE2	ProbABEL
MaCH/minimac	ProbABEL/GenABEL
MaCH/minimac	R/geepack
MaCH/minimac	R/geepack
MaCH/minimac	R
ShapeIt/IMPUTE2	R/geepack
MaCH-Admix/minimac	R
ShapeIt/IMPUTE2	ProbABEL
MaCH/minimac	ProbABEL
minimac	R/geepack
MaCH-Admix	R/geepack
minimac	R
MaCH/minimac	R/geepack
MaCH/minimac	R/geepack
MaCH	ProbABEL
IMPUTE2	SNPTEST2
IMPUTE2	ProbABEL
MaCH/minimac	ProbABEL
MaCH/minimac	ProbABEL
MaCH/minimac	ProbABEL
minimac	R/sandwich
IMPUTE2	ProbABEL/SNPTEST2
IMPUTE2	ProbABEL/SNPTEST2
minimac	R/sandwich
minimac	R/sandwich
minimac	R/sandwich
minimac	R/sandwich
MaCH/minimac	ProbABEL
MaCH	R
MaCH	R
MaCH	R

Supplementary Table 4: Sample Size of Stage 2 Studies

E0: Unexposed Individuals (e.g. Non-smokers and Never Smokers), E1: Exposed Individuals (e.g.

Ancestry	Cohort	CurSmk			HDL
		N	E0	E1	N
African	AADHS	588	449	139	588
	CFS	558	384	174	559
	GeneSTAR	1107	745	362	1107
	HRS	1646	1260	386	1646
	HyperGEN-AXIOM	418	281	137	418
	JUPITER	1606	1161	445	
	Loyola-GXE	603	554	49	603
	Loyola-SPT	691	558	133	691
	TOTAL	***7217***	***5392***	***1825***	***5612***
Asian	BBJ	62131	48887	13244	62131
	Beijing Eye Study(BES)-610	505	383	122	505
	Beijing Eye Study(BES)-omniexpress	395	331	64	395
	CAGE-Amagasaki	923	635	288	923
	DFTJ	1417	959	458	1417
	LOLIPOP-IA317	2059	1721	338	2059
	LOLIPOP-IA610-case	2787	2551	236	2787
	LOLIPOP-IA610-ctrl	3754	3367	387	3754
	LOLIPOP-IAP	501	428	73	501
	LOLIPOP-OmniEE	891	820	71	891
	Ragama Health Study (RHS)	2165	1781	384	2165
	SMHS/SWHS	2148	1929	219	2148
	TAICHI-G	919	735	184	919
	THRV	116	96	20	116
	TUDR	806	653	153	806
	TOTAL	***81517***	***65276***	***16241***	***81517***
Brazilian	Baependi Heart Study	902	797	105	902
	Pelotas Birth Cohort	2750	2096	654	2750
	TOTAL	***3652***	***2893***	***759***	***3652***
European	ASCOT-UK	3677	2816	861	3677
	ASCOT-SC	2387	1367	1020	2387
	BRIGHT	1727	1511	216	1727
	CFS	591	463	128	591
	DESIR (Type 2 diabetes controls)	697	600	97	697
	DHS	1136	937	199	1136
	DR's EXTRA	1230	1101	129	1230
	EGCUT_CoreExome	31	17	14	31
	EGCUT_Human370CNV	683	501	182	683

	EGCUT_OmniExpress	1078	847	231	1078
	EPIC-InterAct CoreExome (cases)	4454	3016	1438	4454
	EPIC-InterAct CoreExome (subcohort)	7686	5557	2129	7686
	EPIC-InterAct GWAS (cases)	3668	2726	942	3668
	EPIC-InterAct GWAS (subcohort)	4289	3168	1121	4289
	EPIC-Norfolk	19248	17051	2197	19248
	Fenland-GWAS	1335	1132	203	1331
	Fenland-OMICS	8396	7375	1021	8450
	FUSION (cases)	664	585	79	688
	FUSION (controls)	272	221	51	278
	GeneSTAR	1696	1266	430	1696
	GLACIER	3199	2415	784	3199
	GRAPHIC	982	842	140	982
	HRS	6904	5833	1071	6904
	INGI-CARL				
	INGI-FVG	1030	810	220	1030
	JUPITER	8400	7257	1143	
	KORA S3	3047	2313	734	3047
	KORA S4	3761	2804	957	3761
	LBC1936	910	806	104	910
	LOLIPOP-EW610	927	773	154	927
	LOLIPOP-EWA	582	411	171	582
	LOLIPOP-EWP	644	489	155	644
	Lifelines	11567	9326	2241	10820
	Long Life Family Study (LLFS)	3144	2814	330	3144
	METSIM	8350	6993	1357	8350
	NESDA	2734	1694	1040	2734
	OBA - French obese cases	669	525	144	669
	PREVEND	3649	2365	1284	3646
	PROCARDIS (cases)	4243	1971	2272	4243
	PROCARDIS (controls)	1628	1334	294	1628
	SHEEP (cases)	1155	586	569	1155
	SHEEP (controls)	1528	1078	450	1528
	SHIP-0	4024	2802	1222	4024
	SHIP-TREND	983	769	214	983
	TRAILS	968	704	264	968
	TWINGENE				5563
	UKHLS	5217	3501	1716	8573
	YFS	2021	1323	698	2021
	TOTAL	***147211***	***114795***	***32416***	***147060***
Hispanic	HCHS/SOL	12725	10164	2561	12725
	IRAS	180	160	20	180
	IRASFS	965	735	230	965
	TOTAL	***13870***	***11059***	***2811***	***13870***

TOTAL (All Ancestry Groups)	***253467***	***199415***	***54052***	***251711***

Current Smokers and Ever Smokers)

			LDL				
EverSmk			**CurSmk**			**EverSmk**	
E0	**E1**	**N**	**E0**	**E1**	**N**	**E0**	**E1**
226	362	577	442	135	577	220	357
267	292	353	248	105	353	176	177
518	589	1098	737	361	1098	512	586
648	998						
180	238	400	271	129	400	173	227
		1606	1161	445			
496	107	601	552	49	601	495	106
450	241	689	556	133	689	449	240
2785	***2827***	***5324***	***3967***	***1357***	***3718***	***2025***	***1693***
29548	32583	29370	23370	6000	29370	14232	15138
342	163	506	384	122	506	343	163
299	96	395	331	64	395	299	96
513	410	823	556	267	823	445	378
698	719	1417	959	458	1417	698	719
1471	588	2059	1721	338	2059	1471	588
2004	783	2719	2495	224	2719	1962	757
3012	742	3614	3264	350	3614	2921	693
366	135	475	407	68	475	345	130
757	134	870	806	64	870	743	127
1522	643	2165	1781	384	2165	1522	643
1870	278	2148	1929	219	2148	1870	278
540	379	885	709	176	885	518	367
80	36	110	94	16	110	78	32
543	263	793	642	151	793	534	259
43565	***37952***	***48349***	***39448***	***8901***	***48349***	***27981***	***20368***
571	331	895	790	105	895	565	330
1606	1144	2750	2096	654	2750	1606	1144
2177	***1475***	***3645***	***2886***	***759***	***3645***	***2171***	***1474***
1136	2541	3467	2648	819	3467	1065	2402
711	1676	2022	1161	861	2022	605	1417
895	832	1623	1432	191	1623	853	770
304	287	289	234	55	289	154	135
442	255	697	600	97	697	442	255
460	676	1062	879	183	1062	434	628
695	535	1230	1101	129	1230	695	535
13	18	31	17	14	31	13	18
395	288	683	501	182	683	395	288

639	439	1078	847	231	1078	639	439
1657	2797						
3457	4229						
1637	2031						
2111	2178						
8876	10372	19249	17051	2198	19249	8876	10373
718	613	1335	1132	203	1331	718	613
4487	3963	8396	7375	1021	8450	4487	3963
341	347	615	549	66	637	326	311
170	108	272	221	51	278	170	108
827	869	1660	1241	419	1660	812	848
1410	1789	3023	2288	735	3023	1329	1694
490	492	982	842	140	982	490	492
2908	3996						
588	442	1030	810	220	1030	588	442
		8400	7257	1143			
1353	1694	3041	2309	732	3041	1352	1689
1553	2208	3756	2802	954	3756	1551	2205
419	491						
424	503	905	757	148	905	418	487
163	419	566	401	165	566	160	406
193	451	611	464	147	611	182	429
4888	5932	11452	9256	2196	10717	4857	5860
1648	1496	3112	2788	324	3112	1638	1474
3474	4876	8349	6992	1357	8349	3473	4876
778	1956	2697	1671	1026	2697	764	1933
345	324	669	525	144	669	345	324
996	2650	3649	2365	1284	3646	996	2650
1185	3058	4243	1971	2272	4243	1185	3058
789	839	1628	1334	294	1628	789	839
287	868	1108	572	536	1108	282	826
618	910	1511	1067	444	1511	611	900
1429	2595	4001	2789	1212	4001	1423	2578
418	565	983	769	214	983	418	565
661	307	967	704	263	967	661	306
2850	2713				5523	2843	2680
3355	5218	5027	3387	1640	8291	3263	5028
1059	962	2021	1323	698	2021	1059	962
64252	***82808***	***117440***	***92432***	***25008***	***117167***	***51361***	***65806***
7611	5114	12220	9784	2436	12220	7331	4889
87	93	174	155	19	174	83	91
556	409	957	730	227	957	554	403
8254	***5616***	***13351***	***10669***	***2682***	***13351***	***7968***	***5383***

121033	*130678*	*188109*	*149402*	*38707*	*186230*	*91506*	*94724*

Triglycerides						Smoking Prevalence	
CurSmk			EverSmk				
N	E0	E1	N	E0	E1	CurSmk	EverSmk
588	449	139	588	226	362	0.24	0.62
355	248	107	355	176	179	0.31	0.52
1107	745	362	1107	518	589	0.33	0.53
						0.23	0.61
406	274	132	406	174	232	0.33	0.57
1606	1161	445				0.28	
603	554	49	603	496	107	0.08	0.18
691	558	133	691	450	241	0.19	0.35
5356	***3989***	***1367***	***3750***	***2040***	***1710***	***0.25***	***0.50***
94357	74586	19771	94357	45488	48869	0.21	0.52
500	378	122	500	337	163	0.24	0.32
395	331	64	395	299	96	0.16	0.24
830	559	271	830	448	382	0.31	0.44
1417	959	458	1417	698	719	0.32	0.51
2059	1721	338	2059	1471	588	0.16	0.29
2783	2547	236	2783	2000	783	0.08	0.28
3747	3360	387	3747	3005	742	0.10	0.20
501	428	73	501	366	135	0.15	0.27
892	821	71	892	757	135	0.08	0.15
2164	1780	384	2164	1522	642	0.18	0.30
290	124	166	290	80	210	0.10	0.13
1018	795	223	1018	579	439	0.20	0.41
126	105	21	126	87	39	0.17	0.31
842	683	159	842	567	275	0.19	0.33
111921	***89177***	***22744***	***111921***	***57704***	***54217***	***0.20***	***0.47***
902	797	105	902	571	331	0.12	0.37
						0.24	0.42
902	***797***	***105***	***902***	***571***	***331***	***0.21***	***0.40***
3521	2690	831	3521	1081	2440	0.23	0.69
2063	1182	881	2063	619	1444	0.43	0.70
1722	1507	215	1722	893	829	0.13	0.48
299	241	58	299	157	142	0.22	0.49
697	600	97	697	442	255	0.14	0.37
1136	937	199	1136	460	676	0.18	0.60
1230	1101	129	1230	695	535	0.10	0.43
						0.45	0.58
89	51	38	89	40	49	0.27	0.42

884	701	183	884	520	364	0.21	0.41
						0.32	0.63
						0.28	0.55
						0.26	0.55
						0.26	0.51
19909	17622	2287	19909	9104	10805	0.11	0.54
1335	1132	203	1331	718	613	0.15	0.46
8396	7375	1021	8450	4487	3963	0.12	0.47
664	585	79	688	341	347	0.12	0.50
272	221	51	278	170	108	0.19	0.39
1697	1267	430	1697	828	869	0.25	0.51
5041	3774	1267	5041	2201	2840	0.25	0.56
982	842	140	982	490	492	0.14	0.50
						0.16	0.58
410	299	111				0.27	
1030	810	220	1030	588	442	0.21	0.43
8400	7257	1143				0.14	
246	138	108	246	79	167	0.24	0.56
1281	1100	181	1281	599	682	0.25	0.59
						0.11	0.54
927	773	154	927	424	503	0.17	0.54
582	411	171	582	163	419	0.29	0.72
644	489	155	644	193	451	0.24	0.70
11567	9326	2241	10820	4888	5932	0.19	0.55
2912	2604	308	2912	1531	1381	0.10	0.48
8352	6994	1358	8352	3475	4877	0.16	0.58
2740	1699	1041	2740	779	1961	0.38	0.72
669	525	144	669	345	324	0.22	0.48
3649	2365	1284	3646	996	2650	0.35	0.73
2390	1058	1332	2390	617	1773	0.54	0.72
1530	1244	286	1530	738	792	0.18	0.52
1169	591	578	1169	291	878	0.49	0.75
1536	1083	453	1536	622	914	0.29	0.60
						0.30	0.64
983	769	214	983	418	565	0.22	0.57
968	704	264	968	661	307	0.27	0.32
			5563	2850	2713		0.49
5210	3495	1715	8565	3354	5211	0.33	0.61
2021	1323	698	2021	1059	962	0.35	0.48
109153	***86885***	***22268***	***108591***	***47916***	***11550***	***0.22***	***0.56***
12663	10119	2544	12663	7581	5082	0.20	0.40
180	160	20	180	87	93	0.11	0.52
965	735	230	965	556	409	0.24	0.42
13808	***11014***	***2794***	***13808***	***8224***	***5584***	***0.20***	***0.40***

241140	*191862*	*49278*	*238972*	*116455*	*73392*	*0.21*	*0.52*

Supplementary Table 5: Trait Distribution in Stage 2 Studies

			Age	
Ancestry	**Study**	**% Male**	**Mean**	**SD**
African	AADHS	43.31	56.23	9.54
	CFS	39.43	40.02	19.54
	GeneSTAR	38.03	42.62	10.52
	HRS	36.63	61.76	8.36
	HyperGEN-AXIOM	45.69	48.35	12.26
	JUPITER	70.46	65.47	7.08
	Loyola-GXE	23.05	40.18	8.29
	Loyola-SPT	39.07	46.53	13.84
	Total	***41.96***	***50.15***	***11.18***
Asian	BBJ	56.16	62.63	11.87
	Beijing Eye Study(BES)-610	33.99	61.62	7.81
	Beijing Eye Study(BES)-omniexpress	38.99	64.05	8.76
	CAGE-Amagasaki	62.97	53.21	13.11
	DFTJ	77.96	63.43	7.72
	LOLIPOP-IA317	100	48.25	10.46
	LOLIPOP-IA610 (case)	81.83	59.32	9.7
	LOLIPOP-IA610 (control)	86.13	52.45	10.23
	LOLIPOP-IAP	100	51.08	8.35
	LOLIPOP-OmniEE	53.62	49.67	9.96
	Ragama Health Study (RHS)	45.27	52.53	7.86
	SMHS/SWHS	13.87	57.3	9.27
	TAICHI-G	0.58	61.02	10.95
	THRV	0.58	62.61	6.69
	TUDR	0.51	63.16	11.05
	Total	***50.16***	***57.49***	***9.59***
Brazilian	Baependi Heart Study	40.13	48.36	15
	Pelotas Birth Cohort	48.62	30.18	0.34
	Total	***44.38***	***39.27***	***7.67***
European	ASCOT-SC	74.57	61	8.7
	ASCOT-UK	82.35	63.79	8.08
	BRIGHT	39.72	56.95	11
	CFS	46.53	43.87	18.34
	DESIR (Type 2 diabetes controls)	40.32	53.5	5.65
	DHS	46.57	61.73	9.07
	DR's EXTRA	47.24	66.48	5.38
	EGCUT_CoreExome	38.71	35.39	12.82
	EGCUT_Human370CNV	33.8	40.33	16.25
	EGCUT_OmniExpress	37.85	48.7	18.26
	EPIC-InterAct CoreExome (cases)	51.12	55.7	6.87
	EPIC-InterAct CoreExome (subcohort)	39.66	52.42	8.81

	EPIC-InterAct GWAS (cases)	46.16	54.52	7.94
	EPIC-InterAct GWAS (subcohort)	35.39	51.05	9.22
	EPIC-Norfolk	53.35	59.14	9.28
	FUSION (cases)	54.65	63.58	7.22
	FUSION (controls)	30.22	63.8	7.28
	Fenland-GWAS	44	45.03	7.25
	Fenland-OMICS	47	48.86	7.36
	GLACIER	36.28	50.12	8.46
	GRAPHIC	50.1	52.87	4.41
	GeneSTAR	46.55	43.22	10.73
	HRS	42.32	64.51	8.82
	INGI-CARL	40	49.76	16.37
	INGI-FVG	40.77	50.67	15.53
	JUPITER	68	65.37	7.03
	KORA S3	48.5	47.32	12.96
	KORA S4	48.94	49.17	13.86
	LBC1936	50.44	69.68	0.76
	LOLIPOP-EW610	73.14	55.96	9.8
	LOLIPOP-EWA	86.94	54.38	10.38
	LOLIPOP-EWP	100	55.7	9.08
	Lifelines	41.7	48.8	11.43
	Long Life Family Study (LLFS)	44.66	61.24	8.72
	METSIM	100	57.53	57.53
	NESDA	33.38	42.05	13.02
	OBA (French obese cases)	21.08	44.22	11.71
	PREVEND	51.52	49.62	12.49
	PROCARDIS (cases)	73	62.24	7.04
	PROCARDIS (controls)	67	57.1	9.01
	SHEEP (cases)	70.5	59.3	7.2
	SHEEP (controls)	67.51	59.9	7.1
	SHIP-0	49.22	49.67	16.26
	SHIP-TREND	43.84	50.09	13.66
	TRAILS	47.31	16.19	0.64
	TWINGENE	46.31	63.73	7.52
	UKHLS	43.65	52.63	14.9
	YFS	44.53	31.66	4.98
	Total	***51.38***	***52.93***	***10.75***
Hispanic	HCHS/SOL	41.01	46.14	13.85
	IRAS	40.77	53.77	8.18
	IRASFS	42.15	39.31	12.95
	Total	***41.31***	***46.41***	***11.66***
	TOTAL (All Ancestry Groups)	***45.84***	***49.25***	***10.17***

ln(HDL)			LDL		
N	Mean	SD	N	Mean	SD
588	3.83	0.26	574	127.98	40.09
559	3.81	0.3	353	96.36	32.92
1107	3.94	0.29	1098	130.49	44.55
1646	3.98	0.29			
418	3.93	0.27	400	121.3	36.54
1606	3.91	0.29	1606	94.22	23.59
603	3.92	0.22			
691	3.85	0.25			
7218	***3.90***	***0.27***	***4031***	***114.07***	***35.54***
62131	3.97	0.26	29370	134.81	40.97
505	4.04	0.31	506	136.49	40.85
395	3.93	0.28	395	137.92	41.2
923	4.07	0.27	823	125.6	30.1
1417	3.96	0.31	1417	121.41	39.54
2059	3.83	0.24	2059	134.64	36.23
2787	3.79	0.25	2719	129.43	44
3754	3.83	0.23	3614	133.16	36.15
501	3.84	0.24	475	138.61	38.37
891	3.89	0.22	870	127.11	36.51
2165	3.9	0.09	2165	137	36.12
2148	3.88	0.25			
919	3.81	0.3	903	121.4	44.7
116	3.91	0.28	113	118.5	40.92
806	3.69	0.35	791	117.5	50.17
81517	***3.89***	***0.26***	***46220***	***129.54***	***39.70***
902	3.82	0.25	895	128.2	37.68
2750	4.04	0.24			
3652	***3.93***	***0.25***	***895***	***128.20***	***37.68***
2387	3.9	0.27	2022	150.87	39.8
3677	3.87	0.25	3467	153.74	39.88
1727	3.9	0.3	1623	130.88	26.03
591	3.78	0.29	289	99.87	29.68
697	4.19	0.25	697	130.75	32.2
1136	3.72	0.28	1062	120.7	35.97
1230	4.15	0.29	1230	139.96	34.54
31	3.98	0.33	31	135.8	47.01
683	4.04	0.29	683	133.9	43.42
1078	4.07	0.28	1078	135.5	39.52
4454	3.84	0.29			
7686	4.01	0.29			

3668	3.83	0.27			
4289	4.02	0.28			
19248	3.96	0.29	19249	154.87	43.22
688	3.73	0.27	637	155.54	49.95
278	4	0.27	278	153.63	39.68
1335	4	0.27	1335	131.54	33.16
8450	4.05	0.26	8450	132.53	35.01
3199	3.96	0.29	3023	165.28	45.27
982	4	0.25	982	127.63	29.42
1696	3.91	0.3	1660	137.29	42.88
6904	3.96	0.3			
1030	3.96	0.24	1030	145.4	42.79
8400	3.91	0.28	8400	106.37	17.35
3047	3.96	0.29	3041	141.21	45.45
3761	4.02	0.29	3751	140.59	45.11
910	4.03	0.28			
927	3.97	0.25	905	139.34	36.15
582	3.89	0.23	566	139.37	38
644	3.85	0.23	611	137.41	37.03
11567	3.99	0.27	11452	136.32	41.45
3144	4.05	0.3	3112	132.33	34.86
8350	3.98	0.27	8349	140.53	35.08
2361	4.11	0.27	2329	128.32	44.38
669	3.7	0.3	669	134.41	36.18
3649	3.88	0.3	3649	145.62	41.6
4243	3.75	0.27	4243	153.97	45.38
1628	3.95	0.27	1628	180.29	44.24
1155	3.69	0.28			
1528	3.87	0.28			
4024	3.98	0.29	4001	141.67	47.15
983	4.02	0.25	983	135.66	36.61
968	4.01	0.21	967	88.23	24.58
5563	3.96	0.3	5523	150.3	37.21
8573	4.05	0.3	8291	119.29	38.27
2021	3.88	0.25	2021	120.49	34.73
155841	***3.94***	***0.28***	***123317***	***137.11***	***38.21***
12725	3.86	0.26	12220	128.39	40.06
180	3.72	0.33	174	144.4	42.89
965	3.73	0.27	957	108.92	30
13870	***3.77***	***0.29***	***13351***	***127.24***	***37.65***
262098	***3.89***	***0.27***	***187814***	***127.23***	***37.76***

ln(Triglycerides)		
N	**Mean**	**SD**
588	4.67	0.52
355	4.49	0.51
1107	4.57	0.53
406	4.54	0.54
1606	4.7	0.47
603	4.32	0.5
691	4.39	0.5
5356	***4.53***	***0.51***
94357	4.79	0.51
500	4.78	0.59
395	4.87	0.55
830	4.6	0.5
1417	4.67	0.55
2059	4.89	0.49
2783	4.92	0.51
3747	4.94	0.54
501	4.98	0.56
892	4.85	0.5
2164	4.75	0.46
290	4.92	0.54
1018	4.88	0.58
126	4.72	0.51
842	4.96	0.6
111921	***4.83***	***0.53***
902	4.78	6.46
902	***4.78***	***6.46***
2063	4.95	0.49
3521	4.99	0.48
1722	5.1	0.54
299	4.78	0.54
697	4.36	0.47
1136	5.14	0.56
1230	4.66	0.44
89	4.67	0.53
884	4.65	0.5

19909	4.93	0.53
688	5.16	0.56
278	4.7	0.39
1335	4.49	0.55
8450	4.47	0.54
5041	4.7	0.44
982	4.98	0.47
1697	4.81	0.55
410	4.74	0.5
1030	4.57	0.48
8400	4.79	0.49
246	4.7	0.6
1281	4.76	0.49
927	4.75	0.55
582	4.85	0.56
644	4.88	0.61
11567	4.58	0.51
2912	4.58	0.52
8352	4.73	0.5
2367	4.6	0.51
669	4.92	0.49
3649	4.7	0.53
2390	4.95	0.51
1530	4.66	0.51
1169	5.05	0.51
1536	4.76	0.49
983	4.69	0.51
968	4.12	0.42
5563	4.67	0.49
8565	4.94	0.53
2021	4.62	0.47
117782	***4.75***	***0.51***
12663	4.77	0.55
180	4.9	0.55
965	4.57	0.59
13808	***4.75***	***0.56***
249769	***4.73***	***1.72***

Supplementary Table 6: Genotyping, Imputation, and Statistica

Cohort	Ancestry
AFRDHS	AFR
ASCOT-SC	EUR
ASCOT-UK	EUR
Baependi Heart Study	BR
BBJ	ASN
Beijing Eye Study(BES)-610	ASN
Beijing Eye Study(BES)-omniexpress	ASN
BRIGHT	EUR
CAGE-Amagasaki	ASN
CFS	AFR
CFS	EUR
DESIR (Type 2 diabetes controls)	EUR
DFTJ	ASN
DHS	EUR
DR's EXTRA	EUR
EGCUT	EUR
EPIC-InterAct CoreExome	EUR
EPIC-InterAct GWAS	EUR
EPIC-Norfolk	EUR
Fenland-GWAS	EUR
Fenland-OMICS	EUR
FUSION	EUR
GeneSTAR	AFR/EUR
GLACIER	EUR
GRAPHIC	EUR
HCHS/SOL	HISP
HRS	AFR/EUR
HyperGEN-AXIOM	AFR
INGI-CARL	EUR
INGI-FVG	EUR
IRAS	HISP
IRASFS	HISP
JUPITER	EUR(AFR)
KORA S3	EUR
KORA S4	EUR
LBC1936	EUR

Lifelines	EUR
LOLIPOP-EW610	EUR
LOLIPOP-EWA	EUR
LOLIPOP-EWP	EUR
LOLIPOP-IA317	ASN
LOLIPOP-IA610	ASN
LOLIPOP-IAP	ASN
LOLIPOP-OmniEE	ASN
Long Life Family Study (LLFS)	EUR
Loyola-GXE	AFR
Loyola-SPT	AFR
METSIM	EUR
NESDA	EUR
OBA	EUR
Pelotas Birth Cohort	BR
PREVEND	EUR
PROCARDIS	EUR
Ragama Health Study (RHS)	ASN
SHEEP	EUR
SHIP-0	EUR
SHIP-TREND	EUR
SMHS/SWHS	ASN
TAICHI-G	ASN
THRV	ASN
TRAILS	EUR
TUDR	ASN
TWINGENE	EUR
UKHLS	EUR
YFS	EUR

ıl Analysis for Stage 2 Studies

Genotyping Platform	Imputation Software
Illumina Omni5 array	IMPUTE2
Illumina Human Omni Exome Express v8.1	MaCH/minimac
Illumina Human Omni Exome Express v8.1	MaCH/minimac
Genome-wide SNP Human Array 6.0 (Affymetrix 6.0)	SHAPEIT and IMPUTE2
Illumina) HumanOmniExpressExome OR HumanOmniExpress + HumanExome	MaCH/minimac
Illumina Human610-Quad Beadchips	MaCH (UM imputation server)
Illumina OmniExpress	MaCH (UM imputation server)
Affymetrix GeneChip 500k array	MaCH/minimac
illumina 550K / Omni2.5M	SHAPEIT/minimac3
Affymetrix 6.0	MACH-ADMIX
Affymetrix 6.0	IMPUTE2
Illumina	ShapeIt / IMPUTE2
Affymetrix 6.0	MaCH/minimac
Affymetrix 5.0	IMPUTE2
Cardio-Metabo_Chip_11395247_A	MaCH/minimac
Illumina OmniExpress; Illumina Infinium CoreExome-24; Illumina HumanCNV370	Impute2 converted to MACH format
Illumina Human CoreExome-12v1 & 24v1	IMPUTE2
Illumina 660w quad chip	IMPUTE2
Affymetrix BioBank Axiom	IMPUTE
AFFymetrix SNP5.0	IMPUTE2
Affymetrix Axiom UKBiobank	IMPUTE2
Illumina HumanHap300	MaCH/minimac
Illumina 1M_v1C	IMPUTE2
Illumina CardioMetaboCHip	-
HumanOmniExpress-12v1 array	IMPUTE2
Omni 2.5M + custom array, Omni 2M Supplemental array, CardioMetabochip array	SHAPEIT2, IMPUTE2
Illumina Omni2.5 Beadchip	IMPUTE2
Affymetrix Axiom	MACH-ADMIX
Illumina 370K	IMPUTE2
Illumina 370K	IMPUTE2
Illumina OmniExpress+1S	IMPUTE2
Illumina OmniExpress+1S	IMPUTE2
Omni 1M Quad platform (Illumina, San Diego).	MaCH/minimac
Illumina Omni 2.5/Illumina Omni Express	IMPUTE v2.3.0
Affymetrix Axiom	IMPUTE v2.3.0
Illumian 610-Quadv1	minimac

Illumina Cyto SNP12 v2	minimac
Illumina Human610	IMPUTE2
Affymetrix 500K	IMPUTE2
Perlegen custom	IMPUTE2
Illumina Hap300K	IMPUTE2
Illumina Human610	IMPUTE2
Perlegen custom	IMPUTE2
Illumina OmniExpressExome Chip	IMPUTE2
Illumina, Omni 2.5	MACH/minimac
Illumina Metabochip	MaCH/minimac
Illumina Metabochip	MaCH/minimac
Illumina OmniExpress	MaCH/minimac
Perlegen-Affymetrix 5.0; Affymetrix 6.0 907K	minimac
Illumina Human CNV370-Duo	ShapeIt, Impute2
Illumina HumanOmni 2.5-8v1	IMPUTE2 (version 2.3.0)
Illumina HumanCyto SNP	Shapeit v2.11, Impute2
Illumina 1M+610K	MaCH/minimac
illumina 550K / Omni2.5M	Beagle version 4 (r1399)
Illumina Cardiometabochip	--
Affymetrix Genome-wide Human SNP Array 6.0	IMPUTE v2.2.2
Illumina HumanOmni2.5 BeadChip	IMPUTE v2.2.2
Affymetrix 6.0, Illumina Omni Express, Illumina 550, Illumina 1M	MaCH/minimac
HumanOmniZhongHua-8-v1-1-B	MaCH/minimac
Custom design on Illumina Human Core Chip background	MaCH/minimac
Illumina Cyto SNP12 v2	Impute v2.2.2
Illumina HumanOmniExpress-12v1_A	MaCH/minimac
Illumina	
OmniExpress bead chip	MaCH/minimac
Illumina Infinium HumanCoreExome BeadChip v1.0	IMPUTE2
Illumina 670k custom	IMPUTE2

Association Test
SAS PROC REG
ProbABEL
ProbABEL
MMAP
ProbABEL
ProbABEL
ProbABEL
ProbABEL
R sandwich
ProbABEL
ProbABEL
R
ProbABEL
GWAF
ProbABEL
ProbABEL/R
QUICKTEST
QUICKTEST
QUICKTEST
QUICKTEST
QUICKTEST
ProbABEL
MMAP
QUICKTEST
R/3.2.4
GENESIS
ProbABEL
ProbABEL
ProbABEL
ProbABEL
GWAF
GWAF
ProbABEL
SNPTEST
SNPTEST
ProbABEL

Quicktest v0.95
ProbABEL
ProbABEL
ProbABEL
ProbABEL
ProbABEL
ProbABEL
ProbABEL
MMAP
ProbABEL
ProbABEL
ProbABEL
Quicktest v0.95
R
R (version 3.2.0)
ProbABEL
STATA
R sandwich
PLINK
ProbABEL 0.4.3
ProbABEL 0.4.3

R
ProbABEL
ProbABEL
Quicktest v0.95
ProbABEL

ProbABEL v 0.4.4
QUICKTEST v0.99
R sandwich

Supplementary Table 7: Results from Stage 1 and 2 for Novel Loci from Stage 1 and 2 Meta-Analyses

	Bld 37					1df Test of Intera	
Index Variant (gene)*	Chr:Position	Ancestry	Trait***	Exposure	n	β	SE
rs12144063 (*EYA3*)	1:28406047	TRANS	lnHDL	CurSmk	131,057	-0.0008	0.003
rs12740061 (*LOC105378783*)	1:69407810	AFR	lnHDL	CurSmk	15,499	-0.1144	0.0214
rs10937241 (*ETV5*)	3:185822774	EA,TRANS	lnHDL	CurSmk	90,266	0.0086	0.0044
rs34311866 (*TMEM175*)	4:951947	TRANS	lnHDL	CurSmk	115,640	-0.0044	0.0045
rs34311866 (*TMEM175*)	4:951947	EA	lnTriglycerides	CurSmk	74,450	0.0013	0.0084
rs77810251 (*PTPRZ1*)	7:121504149	AFR	lnHDL	EverSmk	23,146	-0.0597	0.0123
rs73729083 (*CREB3L2*)	7:137559799	TRANS,AFR	LDL	EverSmk	35,909	-0.956	1.1584
rs73453125 (*CNTNAP2*)	7:146084573	TRANS,AFR	LDL	CurSmk	24,668	-10.2721	1.8401
rs56167574 (*PRKAG2*)	7:151245975	AFR	LDL	EverSmk	23,353	-6.1654	1.2289
rs10101067 (*EYA1*)	8:72407374	TRANS	lnTriglycerides	CurSmk	102,263	-0.0152	0.0101
rs79950627 (*MIR4686*)	11:2233790	TRANS,AFR	LDL	CurSmk	23,348	-8.319	1.9674
rs4758675 (*B3GNT4*)	12:122691738	AFR	lnTriglycerides	CurSmk	11,875	-0.0081	0.0629
rs60029395 (*ZNF729*)	19:22446748	AFR	lnTriglycerides	CurSmk	15,747	-0.0939	0.0207
rs7364132 (*DGCR8*)	22:20096172	AFR,TRANS	lnTriglycerides	EverSmk	21,834	-0.0666	0.0138

**Listed variants represent the lead associations within 1 MB region for the 2 and 1 degree of freedom tests of the variant*

***Frequency of the tested allele in 1000 Genomes data by ancestry: Asian (ASN), Americas (AMR), African (AFR), and Euro*

****If the region was associated with the trait in more than one meta-analysis, the most statistically significant result is list*

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Stage 1 Meta-Analysis								
ction			2df Joint Test				1df Test of Intera	
P-value	β Main Effect	SE	β Interaction Effect	SE	P-value	n	β	SE
0.7975	-0.00597	0.001254	-1.26E-06	0.00288	1.01E-06	244,361	-0.0004	0.0019
9.46E-08	0.01993	0.008604	-0.1118	0.02038	2.88E-07	1,107	-0.1199	0.0544
0.05206	-0.01017	0.001852	0.009047	0.004096	2.76E-07	140,663	-0.0032	0.0034
0.3333	-0.007342	0.001879	-0.004189	0.004361	7.73E-06	235,849	0.003	0.0026
0.8771	0.01275	0.003967	-0.01317	0.00752	5.71E-03	99,171	-0.0085	0.0081
1.21E-06	0.05488	0.008438	-0.06055	0.01209	5.04E-10	1,107	-0.0421	0.0567
0.4092	-3.555	0.7913	-0.6317	1.155	5.93E-10	48,182	0.1848	1.6988
2.37E-08	2.169	0.8587	-11.12	1.75	1.43E-09	15,595	-3.1846	2.3348
5.25E-07	1.782	0.8546	-5.794	1.206	2.14E-06	2,425	-9.2094	3.3266
0.1313	0.02537	0.004804	-0.0178	0.009021	5.66E-07	215,546	-0.008	0.0068
2.35E-05	0.5304	0.9693	-9.214	1.874	4.25E-07	14,924	-7.0838	2.821
0.898	-0.1261	0.02653	-0.02844	0.06095	2.40E-07	1,107	-0.0311	0.1638
5.41E-06	0.03579	0.01028	-0.08996	0.02015	1.87E-05	3,301	-0.128	0.0394
1.46E-06	0.01396	0.00949	-0.06787	0.01356	7.62E-08	2,101	-0.048	0.0473

× smoking interaction after excluding variants within 1 MB of known lipids loci.

pean (EUR)

:ed first and described in table. Ancestries: African (AFR), European (EA), Trans-ancestry (TRANS)

Stage 2 Meta-Analysis						Stage 1			
ıction			2df Joint Test				1df Test of Interaction		
P-value	β Main Effect	SE	β Interaction Effect	SE	P-value	n	β	SE	P-value
0.8316	-0.0034	0.000821	-0.00042	0.001887	2.32E-05	375,418	-0.0005	0.0016	0.7489
0.02758	0.02082	0.02792	-0.1199	0.05442	0.08269	16,606	-0.1151	0.0199	7.40E-09
0.3516	-0.0064	0.00148	-0.00251	0.003328	1.09E-06	230,919	0.0012	0.0027	0.6524
0.2453	-0.005249	0.00113	0.00328	0.002561	1.49E-05	351,489	0.0011	0.0023	0.6101
0.2961	0.01661	0.003362	-0.007717	0.007818	2.36E-06	173,621	-0.0038	0.0058	0.517
0.4575	-0.02826	0.04565	-0.0421	0.05667	0.25	24,253	-0.0589	0.012	9.55E-07
0.9134	-4.086	1.169	0.1645	1.661	1.97E-05	84,091	-0.5939	0.9571	0.5349
0.1726	1.499	1.139	-3.326	2.332	0.27	40,566	-7.5565	1.4452	1.71E-07
0.005633	2.653	2.292	-8.421	3.288	0.03	25,778	-6.5309	1.1528	1.47E-08
0.2372	0.01027	0.002932	-0.00658	0.006679	0.001848	317,809	-0.0102	0.0056	0.06931
0.01204	-1.155	1.285	-6.934	2.81	0.004385	38,272	-7.9027	1.6376	1.40E-06
0.8495	-0.1422	0.07314	-0.03108	0.1638	0.05287	12,982	-0.0111	0.0587	0.8507
0.001142	0.0599	0.02099	-0.1242	0.03927	0.002463	19,048	-0.1013	0.0183	3.26E-08
0.3104	-0.00751	0.03392	-0.04647	0.04684	0.2621	23,935	-0.0651	0.0132	8.78E-07

l and 2 Meta-Analysis

β Main Effect	SE	2df Joint Test β Interaction Effect	SE	P-value
-0.0042	0.00069	-0.00033	0.0016	1.25E-10
0.02	0.0082	-0.11	0.019	2.43E-08
-0.0079	0.0012	0.0021	0.0026	4.21E-12
-0.0058	0.00097	0.0014	0.0022	1.57E-09
0.015	0.002565	-0.01121	0.005387	2.83E-08
0.052	0.0083	-0.06	0.012	1.24E-09
-3.7	0.66	-0.37	0.95	1.25E-14
1.9	0.69	-8.3	1.4	2.04E-08
1.9	0.8	-6.1	1.1	8.42E-08
0.014	0.0025	-0.0092	0.0053	4.06E-08
-0.1	0.79	-8.4	1.6	7.21E-09
-0.13	0.025	-0.029	0.057	1.29E-08
0.041	0.0092	-0.097	0.018	8.15E-08
0.012	0.0091	-0.066	0.013	2.45E-08

Supplementary Table 8: False Discovery Rate (FDR) q values for Novel Loci

Results from Stage 1 and 2 Meta-analyses

Index Variant (Nearest Gene)	Bld 37 Chr:Position	Ancestry	Trait	Exposure
rs12144063 (*EYA3*)	1:28406047	TRANS	HDL	CurSmk
rs12740061 (*LOC105378783*)	1:69407810	AFR	HDL	CurSmk
rs10937241 (*ETV5*)	3:185822774	EA	HDL	CurSmk
rs34311866 (*TMEM175*)	4:951947	TRANS	HDL	CurSmk
rs34311866 (*TMEM175*)	4:951947	EA	Triglycerides	CurSmk
rs77810251 (*PTPRZ1*)	7:121504149	AFR	HDL	EverSmk
rs73729083 (*CREB3L2*)	7:137559799	TRANS	LDL	EverSmk
rs73453125 (*CNTNAP2*)	7:146084573	TRANS	LDL	CurSmk
rs56167574 (*PRKAG2*)	7:151245975	AFR	LDL	EverSmk
rs10101067 (*EYA1*)	8:72407374	TRANS	Triglycerides	CurSmk
rs79950627 (*MIR4686*)	11:2233790	TRANS	LDL	CurSmk
rs4758675 (*B3GNT4*)	12:122691738	AFR	Triglycerides	CurSmk
rs60029395 (*ZNF729*)	19:22446748	AFR	Triglycerides	CurSmk
rs7364132 (*DGCR8*)	22:20096172	AFR	Triglycerides	EverSmk

Results from Stage 1 Meta-analyses that were Unavailable in Stage 2

Index Variant (Nearest Gene)	Bld 37 Chr:Position	Ancestry	Trait	Exposure
rs140602625 (*EXOC6B*)	2:72849325	AFR	LDL	CurSmk
rs114138886 (*LOC107985905*)	2:84428024	AFR	LDL	CurSmk
rs149776574 (*REEP1*)	2:86472455	AFR	Triglycerides	CurSmk
rs143396479 (*LOC105374426/TMEM33*)	4:41911366	AFR	LDL	EverSmk
rs148187465 (*MARCH1*)	4:164639694	AFR	LDL	CurSmk
rs76687692 (*G3BP1*)	5:151189283	AFR	LDL	CurSmk
rs73339842 *(LINC01938)*	5:164967406	AFR	Triglycerides	CurSmk
rs115580718 (*BMP6*)	6:7880037	AFR	Triglycerides	CurSmk
rs17150980 (*MAGI2*)	7:78173734	AFR	Triglycerides	EverSmk
rs116592443 (*LYZL2*)	10:30884890	AFR	Triglycerides	CurSmk
rs115628664 (*UNC5B*)	10:72899880	AFR	Triglycerides	CurSmk
rs183911507 (*TP53I11*)	11:44978366	AFR	Triglycerides	CurSmk
rs199771018 (*STOML3*)	13:39507838	AFR	HDL	CurSmk
rs190976513 (*LOC105370255*)	13:71114207	AFR	LDL	CurSmk
rs182600360 (*LOC105370531*)	14:63607120	AFR	LDL	CurSmk
rs62064821 (*CCT6B*)	17:33280904	AFR	LDL	CurSmk

	1df Test (Interaction)		2df Joint Test (Interaction & Main)	
n	p-value	q-value	p-value	q-value
375,418	0.7486	0.978869	1.25E-10	3.02E-10
16,606	7.40E-09	3.17E-05	2.43E-08	2.04E-06
230,919	0.6524	0.9928912	4.21E-12	1.09E-11
351,489	0.6101	0.9777439	1.57E-09	3.63E-09
173,621	0.517	0.9848	2.83E-08	1.05E-07
24,253	9.55E-07	0.0015632	1.24E-09	1.82E-07
84,091	0.5349	0.9467768	1.25E-14	6.20E-13
40,566	1.71E-07	7.65E-05	2.04E-08	5.20E-07
25,778	1.47E-08	0.0002537	8.42E-08	6.66E-06
317,809	0.06931	0.8472038	4.06E-08	1.31E-07
38,272	1.40E-06	0.0001355	7.21E-09	1.91E-07
12,982	0.8507	0.9956317	1.29E-08	6.43E-06
19,048	3.26E-08	9.72E-05	8.15E-08	2.66E-05
23,935	8.8E-07	0.0014084	2.45E-08	1.14E-05

	1 df Test (Interaction)		2df Joint Test (Interaction & Main)	
n	p-value	q-value	p-value	q-value
7,755	1.04E-06	4.30E-04	1.53E-08	7.40E-07
7,755	9.28E-08	2.40E-04	4.42E-08	2.00E-06
7,756	4.20E-10	7.00E-06	5.14E-10	4.70E-07
10,912	0.0223	0.72	6.77E-09	7.00E-07
7,755	3.65E-07	2.70E-04	4.92E-09	2.50E-07
9,418	0.00131	0.17	4.79E-09	4.80E-07
7,756	8.50E-09	7.40E-05	3.25E-08	1.00E-05
7,756	0.00045	0.099	1.24E-09	8.90E-07
12,972	7.46E-08	1.30E-03	1.36E-09	1.10E-06
7,756	1.83E-08	7.60E-05	1.20E-07	2.80E-05
7,756	4.72E-08	1.10E-04	6.65E-09	3.10E-06
10,287	1.71E-08	7.60E-05	6.50E-08	2.30E-05
7,756	1.20E-09	1.10E-05	6.34E-10	4.70E-08
10,234	9.27E-05	0.019	3.20E-08	2.70E-06
7,755	4.42E-08	2.40E-04	3.28E-07	1.20E-05
10,234	3.06E-08	2.40E-05	6.01E-07	2.80E-05

Supplementary Table 9: Results from Stage 1 Models for Novel Loci from Combined Stage 1 and 2

	Bld 37					Main Effe	
Index Variant (Nearest Gene)*	Chr:Position	Ancestry	Trait**	Exposure	n	β	SE
rs12144063 (*EYA3*)	1:28406047	TRANS	lnHDL	CurSmk	131,057	-0.0059	0.0012
rs12740061 (*LOC105378783*)	1:69407810	AFR	lnHDL	CurSmk	15,499	-0.0003	0.008
rs10937241 (*ETV5*)	3:185822774	EA,TRANS	lnHDL	CurSmk	90,266	-0.0083	0.0017
rs34311866 (*TMEM175*)	4:951947	TRANS	lnHDL	CurSmk	115,640	-0.0078	0.0017
rs34311866 (*TMEM175*)	4:951947	EA	lnTriglycerides	CurSmk	74,450	0.0177	0.0038
rs77810251 (*PTPRZ1*)	7:121504149	AFR	lnHDL	EverSmk	23,146	0.0231	0.0063
rs73729083 (*CREB3L2*)	7:137559799	TRANS,AFR	LDL	EverSmk	35,909	-3.5283	0.6126
rs73453125 (*CNTNAP2*)	7:146084573	TRANS,AFR	LDL	CurSmk	24,668	0.2894	0.7557
rs56167574 (*PRKAG2*)	7:151245975	AFR	LDL	EverSmk	23,353	-1.1011	0.623
rs10101067 (*EYA1*)	8:72407374	TRANS	lnTriglycerides	CurSmk	102,263	0.0216	0.0046
rs79950627 (*MIR4686*)	11:2233790	TRANS,AFR	LDL	CurSmk	23,348	-0.9814	0.8591
rs4758675 (*B3GNT4*)	12:122691738	AFR	lnTriglycerides	CurSmk	11,875	-0.1288	0.024
rs60029395 (*ZNF729*)	19:22446748	AFR	lnTriglycerides	CurSmk	15,747	0.0112	0.0089
rs7364132 (*DGCR8*)	22:20096172	AFR,TRANS	lnTriglycerides	EverSmk	21,834	-0.0192	0.0069

**Listed variants represent the lead associations within 1 MB region for the 2 and 1 degree of freedom tests of the varia*

***If the region was associated with the trait in more than one meta-analysis, the most statistically significant result is l*

! Meta-Analyses

ct	Smoking-Adjusted Main Effect			Non- or Never-Smokers Only			Current or Ever-smokers Only			1df Test of Inte	
P-value	β	SE	P-value	β	SE	P-value	β	SE	P-value	β	SE
3.46E-07	-0.0058	0.0012	4.65E-07	-0.0056	0.0013	6.44E-06	-0.0069	0.0027	0.01145	-0.0008	0.003
0.9668	0.0002	0.0079	0.9848	0.0198	0.0086	0.02144	-0.0834	0.019	1.19E-05	-0.1144	0.0214
7.56E-07	-0.0084	0.0017	4.48E-07	-0.0094	0.0018	1.87E-07	-0.0025	0.0039	0.5231	0.0086	0.0044
4.50E-06	-0.008	0.0017	2.10E-06	-0.0072	0.0019	0.000152	-0.0115	0.0043	0.007483	-0.0044	0.0045
3.91E-06	0.0179	0.0038	2.86E-06	0.0181	0.0041	1.18E-05	0.0139	0.0096	0.147	0.0013	0.0084
0.000224	0.0235	0.0062	0.000164	0.0549	0.0084	6.28E-11	-0.0051	0.0088	0.5643	-0.0597	0.0123
8.43E-09	-3.752	0.5894	1.95E-10	-3.6737	0.7954	3.86E-06	-4.2549	0.8704	1.02E-06	0.956	1.1584
7.02E-01	0.2281	0.7536	0.7621	2.2746	0.8517	0.007572	-8.5955	1.5583	3.47E-08	-10.2721	1.8401
0.07714	-1.0905	0.6221	0.0796	1.686	0.8614	0.0503	-3.8354	0.8744	1.15E-05	-6.1654	1.2289
2.67E-06	0.0218	0.0046	2.09E-06	0.0243	0.005	1.24E-06	-0.0094	0.0108	0.3808	-0.0152	0.0101
0.2533	-0.9797	0.8559	0.2524	0.6021	0.968	0.5339	-8.2998	1.8675	8.72E-07	-8.319	1.9674
8.02E-08	-0.1315	0.0239	3.62E-08	-0.1246	0.0263	2.26E-06	-0.143	0.0557	0.0102	-0.0081	0.0629
0.206	0.0121	0.0088	0.1711	0.0354	0.0102	0.000513	-0.0592	0.0174	0.000682	-0.0939	0.0207
0.005189	-0.0191	0.0069	0.005494	0.0125	0.0095	0.1875	-0.0528	0.0098	7.89E-08	-0.0666	0.0138

nt × smoking interaction after excluding variants within 1 MB of known lipids loci. If variant is in/within 2 KB of a gene, isted first and described in table. Ancestries: African (AFR), European (EA), Trans-ancestry (TRANS)

raction P-value	β Main Effect	SE	2df Joint Test β Interaction Effect	SE	P-value
0.7975	-0.00597	0.001254	-1.26E-06	0.00288	1.01E-06
9.46E-08	0.01993	0.008604	-0.1118	0.02038	2.88E-07
0.05206	-0.01017	0.001852	0.009047	0.004096	2.76E-07
0.3333	-0.007342	0.001879	-0.004189	0.004361	7.73E-06
0.8771	0.01275	0.003967	-0.01317	0.00752	5.71E-03
1.21E-06	0.05488	0.008438	-0.06055	0.01209	5.04E-10
0.4092	3.555	0.7913	0.6317	1.155	5.93E-10
2.37E-08	2.169	0.8587	-11.12	1.75	1.43E-09
5.25E-07	1.782	0.8546	-5.794	1.206	2.14E-06
0.1313	0.02537	0.004804	-0.0178	0.009021	5.66E-07
2.35E-05	0.5304	0.9693	-9.214	1.874	4.25E-07
0.898	-0.1261	0.02653	-0.02844	0.06095	2.40E-07
5.41E-06	0.03579	0.01028	-0.08996	0.02015	1.87E-05
1.46E-06	0.01395	0.00949	-0.06787	0.01356	7.62E-08

that gene name is listed

Supplementary Table 10: Novel Associations among AFR Including Only Cohorts Adjusting for

		Full AFR Meta-Analys				
Index Variant (Nearest Gene)	Trait/Exposure	n	Effect	SE	Interaction Effect	SE
rs12740061 (*LOC105378783*)	lnHDL/CS	16,606	0.02	0.0082	-0.11	0.019
rs77810251 (*PTPRZ1*)	lnHDL/ES	24,253	0.052	0.0083	-0.06	0.012
rs73729083 (*CREB3L2*)	LDL/ES	25,778	-3.45	0.79	-0.56	1.13
rs73453125 (*CNTNAP2*)	LDL/CS	26,323	2.05	0.71	-8.5	1.5
rs56167574 (*PRKAG2*)	LDL/ES	25,778	1.9	0.8	-6.1	1.1
rs79950627 (*MIR4686*)	LDL/CS	26,052	-0.36	0.81	-8.2	1.6
rs4758675 (*B3GNT4*)	lnTriglycerides/CS	12,982	-0.13	0.025	-0.029	0.057
rs60029395 (*ZNF729*)	lnTriglycerides/CS	19,048	0.041	0.0092	-0.097	0.018
rs7364132 (*DGCR8*)	lnTriglycerides/ES	23,935	0.012	0.0091	-0.066	0.013

2 or More PCs

sis		Only AFR Cohorts with PCs ≥ 2							
1df Interaction P-value	2df Joint P-value	n	Effect	SE	Interaction Effect	SE	1df Interaction P-value	2df Joint P-value	Reduction in Sample Size
7.40E-09	**2.40E-08**	16,606	*Reported results included only AFR studies with multiple PCs*						0%
9.50E-07	**1.20E-09**	19,536	0.056	0.0093	-0.059	0.013	1.81E-05	**9.00E-09**	19.4%
0.49	1.06E-09	20,163	-3.47	0.89	-1.17	1.3	0.28	**8.70E-09**	21.8%
4.40E-07	4.40E-08	21,414	2.62	0.78	-9.84	1.63	2.89E-07	**1.11E-08**	18.6%
1.50E-08	8.40E-08	20,163	0.8	0.92	-5.1	1.3	2.86E-05	1.80E-05	21.8%
5.00E-06	9.50E-09	21,414	-0.47	0.87	-6.2	1.8	5.60E-04	1.80E-04	17.8%
0.85	**1.30E-08**	12,982	*Reported results included only AFR studies with multiple PCs*						0%
3.30E-08	8.20E-08	13,789	0.037	0.011	-0.089	0.021	4.80E-05	1.80E-05	27.6%
8.80E-07	**2.50E-08**	19,941	0.012	0.0091	-0.061	0.015	7.10E-05	5.50E-06	16.7%

Supplementary Table 11: Results for Novel Loci from Combined Stage 1 and 2 Meta-analyses

Index Variant (Nearest Gene)	Bld 37 Chr:Position	1000 Genomes Freq AFR/AMR/ASN/EUR	Tested/Ref Alleles	Tested Allele Freq
rs12144063 (*EYA3*)	1:28406047	0.35/0.28/0.53/0.30	T/G	0.37
rs12740061 (*LOC105378783*)	1:69407810	0.01/0.17/0.02/0.22	T/C	0.05
rs10937241 (*ETV5*)	3:185822774	0.30/0.31/0.58/0.19	A/G	0.17
rs34311866 (*TMEM175*)	4:951947	0.01/0.07/0.12/0.20	C/T	0.17
rs77810251 (*PTPRZ1*)	7:121504149	0.02/0.22/0.34/0.11	A/G	0.04
rs73729083 (*CREB3L2*)	7:137559799	0.11/0.04/0.02/0	C/T	0.05
rs73453125 (*CNTNAP2*)	7:146084573	0.09/0.02/0/0	A/G	0.07
rs56167574 (*PRKAG2*)	7:151245975	0.13/0.01/0/0	A/G	0.12
rs10101067 (*EYA1*)	8:72407374	0.04/0.07/0.13/0.06	C/G	0.08
rs79950627 (*MIR4686*)	11:2233790	0.06/0.01/0/0	A/G	0.05
rs4758675 (*B3GNT4*)	12:122691738	0.02/0/0/0	C/A	0.02
rs60029395 (*ZNF729*)	19:22446748	0.15/0.01/0.03/0	A/G	0.13
rs7364132 (*DGCR8*)	22:20096172	0.19/0.02/0/0	A/G	0.16

[1] *Shaded cells indicate findings already described in the main results, while unshaded cells sho*

[2] *Differences in sample sizes between exposure status result from absence of data from cohort which excluded results for variants in studies where the minor allele count in both exposure str*

s for Both Smoking Exposures

			Current Smoking [1]			
Ancestry	Trait/Exposure	n	Effect	SE	Interaction Effect	SE
TRANS	lnHDL/CS,ES	375,418	-0.0042	0.00069	-0.00033	0.0016
AFR	lnHDL/CS	16,606	0.02	0.0082	-0.11	0.019
EA,TRANS	lnHDL/CS,ES	230,919	-0.0079	0.0012	0.0021	0.0026
TRANS,EA	lnHDL,lnTriglycerides/CS	351,489	-0.0058	0.00097	0.0014	0.0022
AFR	lnHDL/ES	20,263	0.033	0.0073	-0.048	0.017
TRANS,AFR	LDL/ES,CS	75,179	-3.13	0.53	0.48	1.1
TRANS,AFR	LDL/CS	40,566	1.9	0.69	-8.3	1.4
AFR	LDL/ES	27,379	0.094	0.57	-0.31	1.2
TRANS	lnTriglycerides/CS	317,809	0.014	0.0025	-0.0092	0.0053
TRANS,AFR	LDL/CS	38,272	-0.1	0.79	-8.4	1.6
AFR	lnTriglycerides/CS	12,982	-0.13	0.025	-0.029	0.057
AFR	lnTriglycerides/CS	19,048	0.041	0.0092	-0.097	0.018
AFR,TRANS	lnTriglycerides/ES	19,454	-0.012	0.0085	-0.03	0.017

w the results for the interaction with the other smoking exposure. Bolding indicates p < 5 × 1

s for a particular exposure (due to low numbers within a stratum or limited characterization o

·ata × imputation score < 20 (which, given the proportion of exposed individuals, occured mor

		Ever Smoking [1]						
1df Interaction P-value	2df Joint P-value	n	Effect	SE	Interaction Effect	n	1df Interaction P-value	2df Joint P-value
0.75	**1.30E-10**	374,725	-0.0036	0.00084	-0.00087	0.0012	0.58	**2.4E-09**
7.40E-09	**2.40E-08**	22,584	0.01	0.0089	-0.03	0.013	0.032	0.049
0.65	**4.20E-12**	231,055	-0.0077	0.0015	0.00078	0.0021	0.86	**2.3E-11**
0.61	**1.60E-09**	364,228	-0.0051	0.0012	0.00029	0.0017	0.95	7.0E-08
0.011	2.70E-05	24,253	0.052	0.0083	-0.06	0.012	9.50E-07	**1.20E-09**
0.89	**9.60E-10**	84,091	-3.7	0.66	-0.37	0.95	0.53	**1.30E-14**
1.70E-07	**2.00E-08**	42,771	1.2	0.87	-2.1	1.3	0.16	0.25
7.7E-04	0.0032	25,778	1.9	0.8	-6.1	1.1	**1.50E-08**	8.40E-08
0.069	**4.10E-08**	329,694	0.013	0.0031	-0.0032	0.0043	0.37	1.2E-06
1.40E-06	**7.20E-09**	39,268	-1.2	1	0.81	1.5	0.13	0.52
0.85	**1.30E-08**	14,636	-0.13	0.029	0.048	0.041	0.30	6.4E-07
3.30E-08	8.20E-08	25,203	0.027	0.0093	-0.033	0.014	0.022	0.012
0.090	0.0075	23,935	0.012	0.0091	-0.066	0.013	8.80E-07	**2.50E-08**

0^{-8}.

of smoking exposure) or from our filtering strategy,
re frequently in Current Smoking analyses).

Supplementary Table 12: Interaction of Selected Variants with Cigarettes per Day

Results from Linear Regression Model of Smoking Dose × Variant on Lipid Trait, adjusted for Age, Sex, Study-Specific Covariates, and Smoking Dose (1df Test)

				CPD (Quantitative) [1]			*CPD (Ordinal* [2] *)*		
Index Variant (Nearest Gene)	Trait/Exposure	*Cohort(s)*	*N*	*Effect*	*SE*	*P*	*Effect*	*SE*	*P*
rs12740061 *(LOC105378783*)	HDL/CS	WHI-SHARE (AFR) + ARIC (AFR)	10368	-0.0067	0.0017	**8.76E-05**	-0.1111	0.027	**3.93E-05**
rs73453125 (*CNTNAP2*)	LDL/CS	WHI-SHARE (AFR) + ARIC (AFR)	10333	-0.6313	0.1917	**0.000993**	-7.6509	3.2383	0.01815
rs79950627 (*MIR4686*)	LDL/CS	WHI-SHARE (AFR)	7871	-0.68082	0.274457	0.013116	-1.35532	5.22281	0.795249
rs7364132 (*DGCR8*)	Triglycerides/ES	WHI-SHARE (AFR)	7907	-0.00319931	0.001407	0.022986	-0.0285386	0.025647	0.265814

[1] *All cigarettes per day (CPD) variables defined based on exposure group of interest, i.e. if reported association was with Current Smoking, then CPD among Former Smokers set to 0. Statis (correction for 4 loci, 3 dose variables, 2 smoking exposures)*

[2] *CPD (Ordinal) defined as <10 cigarettes/day (0), ≥10 and <20 CPD (1), and ≥ 20 CPD (2).*

[3] *CPD (Categorical) defined as 0 if CPD < median and 1 if CPD ≥ median*

CPD (Categorical[3])		
Effect	*SE*	*P*
-0.1096	0.032	**0.000613**
-12.861	3.5625	**0.000306**
-14.3939	4.49902	**0.001377**
-0.0702148	0.024069	0.003531

tical significance set at p<0.0021

Supplementary Table 13: Lead Results Conditioned on Known Lipids Loci

Lead Findings with 1df Interaction P-Value < 5E-8

Index Variant (Nearest Gene)	Bld 37 Chr:Position	1000 Genomes Freq AFR/AMR/ASN/EUR	Tested/ Ref Alleles	Tested Allele Freq	Ancestry
From Table 1: Statistically Significant Results (p < 5 ×10-8) in Stage 1 and 2 Meta-Analysis					
rs12740061 (*LOC105378783*)	1:69407810	0.01/0.17/0.02/0.22	T/C	0.05	AFR
rs56167574 (*PRKAG2*)	7:151245975	0.13/0.01/0/0	A/G	0.12	AFR
rs60029395 (*ZNF729*)	19:22446748	0.15/0.01/0.03/0	A/G	0.13	AFR
From Table 2: Statistically Significant Results (p < 5 ×10-8) in Stage 1 Unavailable in Stage 2					
rs149776574 (*REEP1*)	2:86472455	0.01/0.08/0/0.06	G/C	0.02	AFR
rs73339842 *(LINC01938)*	5:164967406	0.02/0.01/0/0	G/A	0.02	AFR
rs116592443 (*LYZL2*)	10:30884890	0.02/0/0/0	A/G	0.01	AFR
rs115628664 (*UNC5B*)	10:72899880	0.03/0/0/0	G/A	0.01	AFR
rs183911507 (*TP53I11*)	11:44978366	0.01/0/0/0	G/C	0.02	AFR
rs199771018 (*STOML3*)	13:39507838	0.02/0/0/0	T/TC	0.02	AFR
rs182600360 (*LOC105370531*)	14:63607120	0.02/0/0/0	A/T	0.02	AFR
rs62064821 (*CCT6B*)	17:33280904	0.01/0.04/0/0.06	T/C	0.01	AFR

Lead Findings with 2df Joint Main and Interaction P-Value < 5E -8 [1]

Index Variant (Nearest Gene)	Bld 37 Chr:Position	1000 Genomes Freq AFR/AMR/ASN/EUR	Tested/ Ref Alleles	Tested Allele Freq	Ancestry
From Table 1: Statistically Significant Results (p < 5 ×10-8) in Stage 1 and 2 Meta-Analysis					
rs12144063 (*EYA3*)	1:28406047	0.35/0.28/0.53/0.30	T/G	0.37	TRANS
rs12740061 (*LOC105378783*)	1:69407810	0.01/0.17/0.02/0.22	T/C	0.05	AFR
rs10937241 (*ETV5*)	3:185822774	0.30/0.31/0.58/0.19	A/G	0.17	EA,TRANS
rs34311866 (*TMEM175*)	4:951947	0.01/0.07/0.12/0.20	C/T	0.17	TRANS,EA
rs77810251 (*PTPRZ1*)	7:121504149	0.02/0.22/0.34/0.11	A/G	0.04	AFR
rs73729083 (*CREB3L2*)	7:137559799	0.11/0.04/0.02/0	C/T	0.05	TRANS,AFR
rs73453125 (*CNTNAP2*)	7:146084573	0.09/0.02/0/0	A/G	0.07	TRANS,AFR
rs10101067 (*EYA1*)	8:72407374	0.04/0.07/0.13/0.06	C/G	0.08	TRANS
rs79950627 (*MIR4686*)	11:2233790	0.06/0.01/0/0	A/G	0.05	TRANS,AFR
rs4758675 (*B3GNT4*)	12:122691738	0.02/0/0/0	C/A	0.02	AFR
rs7364132 (*DGCR8*)	22:20096172	0.19/0.02/0/0	A/G	0.16	AFR,TRANS
From Table 2: Statistically Significant Results (p<5 ×10-8) in Stage 1 Unavailable in Stage 2					
rs140602625 (*EXOC6B*)	2:72849325	0.01/0/0/0	C/T	0.02	AFR
rs114138886 (*LOC107985905*)	2:84428024	0.02/0/0/0	T/C	0.02	AFR
rs149776574 (*REEP1*)	2:86472455	0.01/0.08/0/0.06	G/C	0.02	AFR
rs143396479 (*LOC105374426/TMEM*	4:41911366	0.02/0/0/0	A/G	0.01	AFR
rs148187465 (*MARCH1*)	4:164639694	0.01/0/0/0	C/T	0.01	AFR
rs76687692 (*G3BP1*)	5:151189283	0.03/0/0/0	A/G	0.01	AFR
rs73339842 *(LOC105377701)*	5:164967406	0.02/0.01/0/0	G/A	0.02	AFR
rs115580718 (*BMP6*)	6:7880037	0.02/0/0/0	G/A	0.01	AFR

rs17150980 (*MAGI2*)	7:78173734	0/0.12/0.45/0.01	C/T	0.03	AFR
rs115628664 (*UNC5B*)	10:72899880	0.03/0/0/0	G/A	0.01	AFR
rs199771018 (*STOML3*)	13:39507838	0.02/0/0/0	T/TC	0.02	AFR
rs190976513 (*LOC105370255*)	13:71114207	0.02/0.01/0/0	A/T	0.02	AFR

[1] *Stage 1 results were used for conditional analyses of joint 2df findings, as these analyses required input data s*

Trait/ Exposure	n	Our Reported Results Interaction Effect (SE)	1df Interaction P-value	Results Conditioned o Interaction Effect (SE)
lnHDL/CS	16,606	-0.115 (0.0199)	7.40E-09	-0.115 (0.0199)
LDL/ES	25,778	-6.53 (1.15)	1.47E-08	-6.53 (1.15)
lnTriglycerides/CS	26,778	-0.101 (0.0183)	3.26E-08	-0.101 (0.0183)
lnTriglycerides/CS	7,756	0.399 (0.0638)	4.20E-10	0.399 (0.0639)
lnTriglycerides/CS	7,756	-0.410 (0.0712)	8.50E-09	0.409 (0.0714)
lnTriglycerides/CS	7,756	-0.457 (0.0812)	1.83E-08	-0.457 (0.0814)
lnTriglycerides/CS	7,756	-0.389 (0.0713)	4.72E-08	-0.389 (0.0714)
lnTriglycerides/CS	10,287	0.334 (0.0592)	1.71E-08	0.333 (0.0592)
lnHDL/CS	7,756	0.230 (0.0378)	1.20E-09	0.230 (0.037)
LDL/CS	7,755	-39.1 (7.14)	4.42E-08	-39.1 (7.15)
LDL/CS	10,234	-30.9 (5.58)	3.06E-08	-30.9 (5.58)

Trait/ Exposure	n	Our Reported Results[1] Effect (SE)	Interaction Effect (SE)	Joint Main & Interaction 2df P-value
lnHDL/CS	375,418	-0.00597 (0.001254)	-1.26E-06 (0.00288)	1.01E-06
lnHDL/CS	16,606	0.01993 (0.008604)	-0.1118 (0.02038)	2.88E-07
lnHDL/CS,ES	230,919	-0.01017 (0.001852)	0.009047 (0.004096)	2.76E-07
lnHDL,lnTriglycerides/CS	351,489	-0.007342 (0.001879)	-0.004189 (0.004361)	7.73E-06
lnHDL/ES	24,253	0.05488 (0.008438)	-0.06055 (0.01209)	5.04E-10
LDL/ES,CS	84,091	-3.555 (0.7913)	-0.6317 (1.155)	5.93E-10
LDL/CS	40,566	2.169 (0.8587)	-11.12 (1.75)	1.43E-09
lnTriglycerides/CS	317,809	0.02537 (0.004804)	-0.0178 (0.009021)	5.66E-07
LDL/CS	38,272	0.5304 (0.9693)	-9.214 (1.874)	4.25E-07
lnTriglycerides/CS	12,982	-0.1261 (0.02653)	-0.02844 (0.06095)	2.40E-07
lnTriglycerides/ES	23,935	0.01396 (0.00949)	-0.06787 (0.01356)	7.62E-08
LDL/CS	7,755	-3.362 (3.148)	-34.95 (7.082)	1.53E-08
LDL/CS	7,755	2.382 (2.905)	-29.04 (5.381)	4.42E-08
lnTriglycerides/CS	7,756	-0.04764 (0.03317)	0.3987 (0.06383)	5.14E-10
LDL/ES	10,912	-16.18 (2.639)	15.42 (4.51)	6.77E-09
LDL/CS	7,755	-2.056 (3.001)	-31.75 (6.177)	4.92E-09
LDL/CS	9,418	2.744 (3.244)	24.52 (5.458)	4.79E-09
lnTriglycerides/CS	7,756	0.0464 (0.0327)	-0.4097 (0.0712)	3.25E-08
lnTriglycerides/CS	7,756	-0.1199 (0.03562)	-0.2895 (0.08245)	1.24E-09

lnTriglycerides/ES	12,972	-0.1701 (0.02832)	0.2437 (0.04429)	1.36E-09
lnTriglycerides/CS	7,756	0.0265 (0.04)	-0.3894 (0.0713)	6.65E-09
lnHDL/CS	7,756	-0.01939 (0.01895)	0.23 (0.03744)	6.34E-10
LDL/CS	10,234	5.05 (2.632)	-20.1 (5.236)	3.20E-08

stratified by exposure status, which was only available in Stage 1 data.

n Known Lipids Loci 1df Interaction P-value
7.35E-09
1.50E-08
3.22E-08
4.46E-10
9.72E-09
1.92E-08
5.02E-08
1.93E-08
1.20E-09
4.75E-08
3.02E-08

Results Conditioned on Known Lipids Loci		
Effect (SE) among Unexposed	Effect (SE) among Exposed	Joint Main & Interaction 2df P-value
-0.00593 (0.00130)	-0.00693 (0.00270)	1.10E-06
0.0198 (0.00857)	-0.0836 (0.0190)	4.40E-06
-0.0094 (0.00180)	-0.0025 (0.00390)	9.79E-07
-0.00720 (0.00190)	-0.0115 (0.00430)	2.12E-05
0.0544 (0.00837)	-0.00780 (0.00875)	4.61E-10
-3.68 (0.796)	-4.26 (0.871)	1.40E-10
2.27 (0.852)	-8.59 (1.56)	7.75E-09
0.0243 (0.00500)	0.00937 (0.0108)	5.06E-06
0.599 (0.988)	-8.31 (1.74)	9.41E-06
-0.124 (0.0263)	-0.146 (0.0558)	4.49E-07
0.0123 (0.00949)	-0.0526 (0.00981)	2.48E-07
-3.39 (3.21)	-38.0 (6.61)	3.94E-08
2.39 (2.96)	-26.5 (4.78)	1.55E-07
-0.0476 (0.0336)	0.348 (0.0542)	3.83E-10
-16.8 (2.64)	-0.834 (3.79)	1.53E-09
-2.10 (3.06)	-34.5 (5.63)	5.73E-09
2.95 (3.27)	27.3 (4.74)	4.08E-08
0.0464 (0.0332)	-0.359 (0.0636)	4.75E-08
-0.120 (0.0361)	-0.407 (0.0775)	4.32E-09

-0.165 (0.0285)	0.0696 (0.0343)	7.00E-09
0.0253 (0.0405)	-0.370 (0.0613)	1.07E-08
-0.0190 (0.0193)	0.209 (0.0327)	8.65E-10
-4.96 (2.62)	-25.8 (4.62)	2.87E-08

Supplementary Table 14: Imputation Quality of Variants in Novel Associations

Variant	Bld 37 Chr:Pos	Weighted Average Imputation Score[1]	Ancestry	Minor Allele Frequency
rs12144063 (*EYA3*)	1:28406047	0.961	TRANS	0.37
rs12740061 (*LOC105378783*)	1:69407810	0.784	AFR	0.05
rs10937241 (*ETV5*)	3:185822774	0.945	EA	0.17
rs34311866 (*TMEM175*)	4:951947	0.908	TRANS	0.17
rs77810251 (*PTPRZ1*)	7:121504149	0.978	AFR	0.04
rs73729083 (*CREB3L2*)	7:137559799	0.905	TRANS	0.05
rs73453125 (*CNTNAP2*)	7:146084573	0.894	TRANS	0.07
rs56167574 (*PRKAG2*)	7:151245975	0.944	AFR	0.12
rs10101067 (*EYA1*)	8:72407374	0.985	TRANS	0.08
rs79950627 (*MIR4686*)	11:2233790	0.895	TRANS,AFR	0.05
rs4758675 (*B3GNT4*)	12:122691738	0.750	AFR	0.02
rs60029395 (*ZNF729*)	19:22446748	0.879	AFR	0.13
rs7364132 (*DGCR8*)	22:20096172	0.827	AFR	0.16

[1] *Weighted by sample size of contributing studies*

Minor Allele Frequency in 1000 Genomes Data

AFR	AMR	ASN	EUR	ASW
0.35	0.28	0.53	0.30	0.34
0.01	0.17	0.02	0.22	0.05
0.3	0.31	0.58	0.19	0.24
0.01	0.07	0.12	0.20	0.03
0.02	0.22	0.34	0.11	0.06
0.11	0.03	0.02	0	0.11
0.09	0.02	0	0	0.07
0.13	0.01	0	0	0.11
0.04	0.07	0.13	0.06	0.02
0.06	0.01	0	0	0.09
0.02	0	0	0	0.01
0.15	0.02	0.03	0	0.14
0.19	0.02	0	0	0.13

Supplementary Table 15: Power Calculations for Detecting Loci in Interaction and Main Effect

Scenario[1]	Power to Detect Interaction	Power to Detect Main Effect
Effect in One Stratum Only		
- Smokers	0.77	0.0003
- Non-Smokers	0.77	>0.99
Concordant Direction, but Smaller Magnitude		
- 50% smaller in Smokers	0.0039	>0.99
- 50% smaller in Non-Smokers	0.0077	>0.99
Effects in Different Directions		
- Same magnitude	>0.99	>0.99
- 50% smaller in smokers	>0.99	>0.99
- 50% smaller in non-smokers	>0.99	0.31

[1] *Assumed stage 1 + 2 sample sizes for all ancestries combined, 19% smoking prevalence, and relatively large effect size (0.06% of the variance of the lipid trait; median variance explained from known lipid loci is 0.04% [Supplementary Table 1 of Do R, et al, Nat Gen, 2013]).).*

t Analyses Given Different Interaction Scenarios

Supplementary Table 16: Proportion Variance Explained

Approach 1

GWAS-significant variants in our analysis that have a MAF < 1% or imputation quality < 0.3 in listed study.

HDL	*Study*	*N*	*Covariates*	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
EUR	Airwave	14002	0.1859	0.0031	0.1193	0.0008	0.0003
	ARIC	9052	0.217934	0.012103	0.097558	0.000555	0.001089
	WGHS	23141	0.0024777	0.01191038	0.1011746	0.001221	0.000240693
	Average [1]	***46195***	***0.1002933***	***0.00927764***	***0.1059599***	***0.000963***	***0.000424897***
AFR	ARIC	2479	0.0721717	0.00437647	0.149408	0.009608	0.011095361
	JHS	1988	0.1014	0.0002	0.1467	0.0147	0.0197
	Average [1]	***4467***	***0.0851795***	***0.00251777***	***0.1482028***	***0.011874***	***0.014924782***
ASN	GenSalt	1813	0.1206156	0.00093808	0.175952	0.005942	0.003212066
	SCES	1853	0.1403696	0.00925289	0.1636605	0.005406	0.007174236
	SiMES	2541	0.1361667	0.00782818	0.1429679	0.002699	0.002344627
	SINDI	2496	0.123807	0.00166791	0.1681141	0.005273	0.003697206
	Average [1]	***8703***	***0.1302773***	***0.00492914***	***0.1614467***	***0.004689***	***0.003941544***
HISP	SOL	10091	0.0951371	0.00192642	0.1143905	0.002512	0.001502123

LDL	*Study*	*N*	*Covariates*	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
EUR	ARIC	9052	0.027149	0.0032372	0.1169897	0.000635	0.000422422
	WGHS	23141	0.0282455	0.003347	0.1132327	0.00037	0.000177926
	Average [1]	***32193***	***0.0279372***	***0.00331613***	***0.1142891***	***0.000444***	***0.000246673***
AFR	ARIC	2479	0.0217761	0.00316301	0.147163	0.007998	0.018299017
	JHS	1966	0.0270	0.0040	0.1380	0.0170	0.0093
	Average [1]	***4445***	***0.0240866***	***0.00353321***	***0.1431102***	***0.011979***	***0.0143188***
ASN	GenSalt	1790	0.1661023	0.00384881	0.1632686	0.006267	0.001177566
	SCES	1853	0.0072656	0.00141595	0.1883051	0.004944	0.004268639
	SiMES	2540	0.0126761	0.00030523	0.1708679	0.002749	0.003556285
	SINDI	2495	0.0086384	0.0021701	0.1740326	0.006657	0.003346386
	Average [1]	***8678***	***0.042007***	***0.00180949***	***0.1739336***	***0.005067***	***0.00315739***
HISP	SOL	9867	0.0897865	0.00032159	0.0916731	0.003498	0.00124873

Triglycerides	*Study*	*N*	*Covariates*	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
EUR	ARIC	9052	0.0368625	0.00577819	0.1084626	0.001545	0.000921154
	WGHS	16705	0.0245966	0.00217779	0.0984951	0.001357	0.000274542
	Average [1]	***25757***	***0.0289073***	***0.00344311***	***0.101998***	***0.001423***	***0.000501786***
AFR	ARIC	2479	0.0205203	0.00537774	0.130674	0.010265	0.01357614
	JHS	1988	0.0746	0.0138	0.1511	0.0169	0.0243
	Average [1]	***4467***	***0.044588***	***0.009126***	***0.1397644***	***0.013218***	***0.018348702***
ASN	GenSalt	1830	0.0957635	0.00182071	0.1693309	0.012588	0.0027682
HISP	SOL	10092	0.0447323	0.00188892	0.073942	0.003011	0.000854647

1. *Weighted by sample size*

Approach 2

In addition to filters in Approach 1, stepwise regression for variant selection: only those novel and known variants p < 0.05 in listed study are included.

Covariates	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
0.1859	0.0031	0.1095	0.0006	0
0.21793433	0.0121027	0.080101	0	0
0.00247772	0.0119104	0.094775	0.0009033	0
0.1002933	***0.0092776***	***0.09636***	***0.000634***	***0***
0.07217173	0.0043765	0.078306	0	0.005281741
0.1014	0.0002	0.0654	0.0042	0.0117
0.0851795	***0.0025178***	***0.07256***	***0.001869***	***0.008138132***
0.12061561	0.0009381	0.088649	0.0029724	0
0.14036957	0.0092529	0.082247	0.0016601	0.001876024
0.13616673	0.0078282	0.089573	0	0
0.12380705	0.0016679	0.09992	0.0024442	0.002359489
0.1302589	***0.0049284***	***0.09077***	***0.001673***	***0.001075866***
0.09513714	0.0019264	0.097277	0.0009978	0.001309729

Covariates	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
0.0271486	0.0032372	0.09933	0	0
0.02824553	0.003347	0.107354	0.0001562	0
0.0279371	***0.0033161***	***0.1051***	***0.000112***	***0***
0.02177612	0.003163	0.062694	0	0.00791211
0.0270	0.0040	0.0310	0.0049	0.0000
0.0240866	***0.0035332***	***0.04868***	***0.002167***	***0.004412626***
0.16610228	0.0038488	0.062152	0	0
0.00726561	0.0014159	0.084354	0	0
0.01267611	0.0003052	0.087685	0	0
0.00863839	0.0021701	0.090991	0.0029788	0
0.042007	***0.0018095***	***0.08266***	***0.000856***	***0***
0.0897865	0.0003216	0.075329	0.0021475	0.000330684

Covariates	*+ Smoking*	*+ Known*	*+ Novel*	*+ Interactions*
0.03686252	0.0057782	0.090681	0.0003736	0.000466031
0.02459659	0.0021778	0.091084	0.0010459	0
0.0289073	***0.0034431***	***0.09094***	***0.00081***	***0.000163781***
0.02052034	0.0053777	0.056065	0.0024852	0.00342524
0.0746	0.0138	0.0671	0.0073	0.0145
0.044588	***0.009126***	***0.06098***	***0.004628***	***0.008353967***
0.09576351	0.0018207	0.083242	0.0045566	0.00382235
0.0447323	0.0018889	0.053882	0.0020216	0

Supplementary Table 17: Reproducing Previously Reported Lipids Associations

Results from Stage 1 Linear Association Models of Variants and Lipid Traits, Adjusted for Age, Sex, S

**Reproducibility determined by directional consistency and p<0.05/356*

			Previous Report					
rsID	Chr	Pos (Bld 37)	Effect Allele	Trait	Beta	P-value	PMID	Effect Allele
rs10903129	1	25768937	A	LDL	-0.033	4.00E-19	24097064	A
rs12027135	1	25775733	A	LDL	-0.03	2.00E-14	24097068	A
rs12748152	1	27138393	T	HDL	-0.051	1.00E-15	24097068	T
rs12748152	1	27138393	T	LDL	0.05	3.00E-12	24097068	T
rs12748152	1	27138393	T	Triglycerides	0.037	1.00E-09	24097068	T
rs4660293	1	40028180	A	HDL	0.035	7.00E-19	24097064	A
rs2479409	1	55504650	G	LDL	0.064	3.00E-50	24097068	A
rs11591147	1	55505647	T	LDL	-17 mg/dl	2.70E-59	24507774	T
rs1998013	1	55958030	T	LDL	-0.38	4.00E-67	24097064	T
rs10493326	1	62953373	A	Triglycerides	0.031	1.00E-15	24097064	A
rs2131925	1	63025942	G	LDL	-0.049	3.00E-32	24097068	T
rs2131925	1	63025942	G	Triglycerides	-0.066	3.00E-74	24097068	T
rs4587594	1	63133930	A	LDL	-0.049	3.00E-37	24097064	A
rs4587594	1	63133930	A	Triglycerides	-0.069	3.00E-87	24097064	A
rs6603981	1	92993807	T	LDL	0.034	2.00E-14	24097064	T
rs12133576	1	93816400	A	HDL	0.024	6.00E-12	24097064	A
rs629301	1	109818306	G	LDL	-0.167	5.00E-241	24097068	T
rs646776	1	109818530	T	HDL	-0.034	9.00E-17	24097064	T
rs646776	1	109818530	T	LDL	0.16	1.00E-292	24097064	T
rs1010167	1	110198727	C	LDL	-0.025	3.00E-10	24097064	C
rs267733	1	150958836	A	LDL	0.033	5.00E-10	24097064	A
rs12145743	1	156700651	T	HDL	-0.02	2.00E-08	24097064	T
rs4650994	1	178515312	A	HDL	-0.021	6.00E-10	24097064	A
rs1689797	1	182150978	A	HDL	-0.036	2.00E-23	24097064	A
rs1689800	1	182168885	G	HDL	-0.034	5.00E-20	24097068	A
rs2642438	1	220970028	A	HDL	-0.03	5.00E-15	24097064	A
rs2642438	1	220970028	A	LDL	-0.035	4.00E-17	24097064	A
rs2642442	1	220973563	C	LDL	-0.036	5.00E-11	24097068	T
rs903319	1	220985811	T	LDL	-0.027	8.00E-11	24097064	T
rs4846914	1	230295691	A	HDL	0.048	6.00E-44	24097064	A
rs4846914	1	230295691	A	Triglycerides	-0.04	7.00E-33	24097064	A
rs6680658	1	230419344	A	HDL	0.023	2.00E-08	24097064	A
rs2587534	1	234849339	A	LDL	0.039	3.00E-26	24097064	A
rs514230	1	234858597	A	LDL	-1.13	9.00E-12	20686565	A
rs1042034	2	21225281	C	HDL	0.9	1.00E-30	20686565	T
rs1042034	2	21225281	C	Triglycerides	-5.99	1.00E-45	20686565	T
rs1367117	2	21263900	A	HDL	-0.022	2.00E-09	24097064	A
rs1367117	2	21263900	A	LDL	0.12	2.00E-196	24097064	A
rs1367117	2	21263900	A	Triglycerides	0.025	3.00E-12	24097064	A

rs515135	2	21286057	T	LDL	-0.14	1.00E-188	24097064	T
rs1260326	2	27730940	T	LDL	0.021	3.00E-08	24097064	T
rs1260326	2	27730940	T	Triglycerides	0.11	2.00E-254	24097064	T
rs3817588	2	27731212	T	LDL	0.026	3.00E-08	24097064	T
rs3817588	2	27731212	T	Triglycerides	0.067	7.00E-58	24097064	T
rs4299376	2	44072576	G	LDL	0.081	4.00E-72	24097068	T
rs6544713	2	44073881	T	LDL	0.081	6.00E-85	24097064	T
rs4148218	2	44099582	A	LDL	-0.044	3.00E-21	24097064	A
rs2710642	2	63149557	A	LDL	0.024	3.00E-10	24097064	A
rs17508045	2	118576719	T	LDL	0.049	9.00E-14	24097064	T
rs10490626	2	118835841	A	LDL	-0.051	2.00E-12	24097068	A
rs2030746	2	121309488	T	LDL	0.021	9.00E-09	24097068	T
rs16831243	2	135762344	T	LDL	0.038	8.00E-12	24097064	T
rs10195252	2	165513091	C	Triglycerides	-2.01	2.00E-10	20686565	T
rs12328675	2	165540800	C	HDL	0.045	2.00E-15	24097068	T
rs7607980	2	165551201	T	HDL	-0.045	1.00E-17	24097064	T
rs7607980	2	165551201	T	Triglycerides	0.036	7.00E-13	24097064	T
rs355838	2	165619163	T	HDL	-0.019	4.00E-08	24097064	T
rs2287623	2	169830155	A	LDL	-0.022	7.00E-09	24097064	A
rs1047891	2	211540507	A	HDL	-0.027	9.00E-10	24097068	A
rs1250229	2	216304384	T	LDL	-0.024	8.00E-09	24097064	T
rs2972146	2	227100698	G	HDL	0.032	2.00E-17	24097068	T
rs2972146	2	227100698	G	Triglycerides	-0.028	3.00E-15	24097068	T
rs1515110	2	227122216	T	HDL	-0.032	2.00E-20	24097064	T
rs1515110	2	227122216	T	Triglycerides	0.027	5.00E-15	24097064	T
rs11563251	2	234679384	T	LDL	0.035	2.00E-08	24097064	T
rs2606736	3	11400249	C	HDL	0.025	5.00E-08	24097068	T
rs9875338	3	12296469	A	LDL	-0.027	3.00E-13	24097064	A
rs7640978	3	32533010	T	LDL	-0.039	1.00E-08	24097068	T
rs2290547	3	47061183	A	HDL	-0.03	8.00E-11	24097064	A
rs2240327	3	50113034	A	HDL	-0.024	9.00E-13	24097064	A
rs2013208	3	50129399	T	HDL	0.025	9.00E-12	24097068	T
rs13326165	3	52532118	A	HDL	0.029	2.00E-11	24097064	A
rs6805251	3	119560606	T	HDL	0.02	8.00E-09	24097064	T
rs17404153	3	132163200	T	HDL	-0.028	5.00E-09	24097068	T
rs17404153	3	132163200	T	LDL	-0.034	2.00E-09	24097068	T
rs17345563	3	132209203	A	LDL	0.036	3.00E-10	24097064	A
rs645040	3	135926622	G	Triglycerides	-0.029	2.00E-12	24097068	T
rs687339	3	135932359	T	HDL	-0.032	3.00E-14	24097064	T
rs687339	3	135932359	T	Triglycerides	0.029	6.00E-13	24097064	T
rs1482852	3	156798294	A	HDL	-0.021	3.00E-09	24097064	A
rs10513688	3	170727218	A	Triglycerides	0.031	4.00E-08	24097064	A
rs6831256	4	3473139	G	LDL	0.022	2.00E-08	24097068	A
rs6831256	4	3473139	A	Triglycerides	-0.026	9.00E-14	24097064	A
rs10019888	4	26062990	A	HDL	0.027	6.00E-09	24097064	A
rs442177	4	88030261	T	HDL	-0.022	3.00E-10	24097064	T
rs442177	4	88030261	T	Triglycerides	0.031	3.00E-20	24097064	T

rs10029254	4	88160140	T	Triglycerides	0.027	1.00E-11	24097064	T
rs3822072	4	89741269	A	HDL	-0.025	3.00E-13	24097064	A
rs2602836	4	100014805	A	HDL	0.019	2.00E-08	24097064	A
rs13107325	4	103188709	T	HDL	-0.071	8.00E-20	24097064	T
rs6822892	4	157734675	G	HDL	0.018	3.65E-08	28334899	A
rs6450176	5	53298025	A	HDL	-0.025	1.00E-10	24097064	A
rs9686661	5	55861786	T	HDL	-0.028	2.00E-10	24097064	T
rs9686661	5	55861786	T	Triglycerides	0.038	3.00E-18	24097064	T
rs4976033	5	67714246	A	HDL	0.022	9.00E-09	24097064	A
rs7703051	5	74625487	A	LDL	0.073	5.00E-85	24097064	A
rs12916	5	74656539	C	LDL	0.073	8.00E-78	24097068	T
rs4530754	5	122855416	A	LDL	0.028	4.00E-14	24097064	A
rs6882076	5	156390297	T	LDL	-0.046	5.00E-33	24097064	T
rs6882076	5	156390297	T	Triglycerides	-0.029	1.00E-16	24097064	T
rs2294261	6	16109163	A	LDL	0.033	5.00E-19	24097064	A
rs3757354	6	16127407	T	LDL	-0.038	2.00E-17	24097068	T
rs1800562	6	26093141	A	LDL	-0.062	2.00E-14	24097064	A
rs2247056	6	31265490	T	LDL	-0.025	6.00E-09	24097064	T
rs2247056	6	31265490	T	Triglycerides	-0.038	2.00E-22	24097064	T
rs3177928	6	32412435	A	LDL	0.045	3.00E-17	24097068	A
rs2814944	6	34552797	A	HDL	-0.49	4.00E-09	20686565	A
rs205262	6	34563164	A	HDL	0.028	2.00E-13	24097064	A
rs4714556	6	41993229	G	HDL	0.029	1.52E-07	28334899	A
rs998584	6	43757896	A	HDL	-0.026	4.00E-12	24097064	A
rs998584	6	43757896	A	Triglycerides	0.029	2.00E-15	24097064	A
rs2239620	6	52452585	G	LDL	0.023	4.02E-08	28334899	A
rs17789218	6	100600097	T	LDL	0.024	3.00E-08	24097064	T
rs9488822	6	116312893	T	LDL	-0.89	3.00E-09	20686565	A
rs868943	6	116337503	A	LDL	-0.026	1.00E-12	24097064	A
rs1936800	6	127436064	C	HDL	0.02	3.00E-10	24097068	T
rs1936800	6	127436064	C	Triglycerides	-0.02	3.00E-08	24097068	T
rs9491696	6	127452639	C	HDL	0.02	3.00E-09	24097064	C
rs605066	6	139829666	C	HDL	-0.39	3.00E-08	20686565	T
rs634869	6	139831757	T	HDL	-0.023	8.00E-12	24097064	T
rs634869	6	139831757	T	Triglycerides	0.027	4.00E-16	24097064	T
rs12525163	6	152040291	T	HDL	-0.022	9.00E-09	24097064	T
rs2297374	6	160575985	T	LDL	-0.033	6.00E-18	24097064	T
rs1564348	6	160578860	T	LDL	-0.048	3.00E-22	24097064	T
rs1084651	6	161089817	A	HDL	-0.56	3.00E-08	20686565	A
rs702485	7	6449272	A	HDL	-0.024	1.00E-12	24097064	A
rs17286602	7	16152174	A	HDL	0.021	8.00E-10	24097064	A
rs10282707	7	17911038	T	HDL	-0.025	8.00E-13	24097064	T
rs4142995	7	17919258	T	HDL	-0.026	9.00E-12	24097068	T
rs12670798	7	21607352	T	LDL	-0.034	7.00E-16	24097064	T
rs4722551	7	25991826	T	LDL	-0.039	7.00E-16	24097064	T
rs4722551	7	25991826	C	Triglycerides	0.023	9.00E-11	24097068	T
rs2072183	7	44579180	C	LDL	0.039	7.00E-16	24097068	C

rs2073547	7	44582331	A	LDL	-0.049	5.00E-23	24097064	A
rs217386	7	44600695	A	LDL	-0.036	8.00E-22	24097064	A
rs4917014	7	50305863	T	HDL	-0.022	8.00E-10	24097064	T
rs13238203	7	72129667	T	Triglycerides	-7.91	1.00E-09	20686565	T
rs17145738	7	72982874	T	HDL	0.041	1.00E-14	24097064	T
rs17145738	7	72982874	T	Triglycerides	-0.11	2.00E-103	24097064	T
rs799160	7	73060006	T	Triglycerides	0.04	7.00E-29	24097064	T
rs38855	7	116358044	A	Triglycerides	0.019	2.00E-08	24097064	A
rs4731702	7	130433384	T	HDL	0.029	5.00E-17	24097068	T
rs3996352	7	130444934	A	HDL	-0.03	4.00E-18	24097064	A
rs17173637	7	150529449	T	HDL	0.036	2.00E-10	24097064	T
rs9987289	8	9183358	A	HDL	-0.082	2.00E-41	24097068	A
rs9987289	8	9183358	A	LDL	-0.071	9.00E-24	24097068	A
rs4240624	8	9184231	A	HDL	0.082	3.00E-45	24097064	A
rs4240624	8	9184231	A	LDL	0.067	7.00E-27	24097064	A
rs9693857	8	9267117	T	Triglycerides	0.02	3.00E-09	24097064	T
rs11776767	8	10683929	C	Triglycerides	0.022	3.00E-11	24097068	C
rs4332136	8	15799853	C	HDL	0.48	1.00E-13	24097064	C
rs4921914	8	18272438	T	Triglycerides	-0.035	8.00E-19	24097064	T
rs1495741	8	18272881	G	Triglycerides	2.97	4.00E-14	20686565	A
rs268	8	19813529	G	HDL	-3 mg/dl	2.40E-19	24507774	A
rs268	8	19813529	G	Triglycerides	14%	1.20E-22	24507774	A
rs12678919	8	19844222	A	HDL	-0.16	5.00E-165	24097064	A
rs12678919	8	19844222	A	Triglycerides	0.17	2.00E-206	24097064	A
rs894210	8	19865843	A	HDL	0.069	1.00E-90	24097064	A
rs894210	8	19865843	A	Triglycerides	-0.067	5.00E-90	24097064	A
rs10102164	8	55421614	A	LDL	0.032	3.00E-12	24097064	A
rs2326077	8	59385919	T	LDL	-0.034	2.00E-19	24097064	T
rs2081687	8	59388565	A	LDL	0.95	4.00E-09	20686565	T
rs6982451	8	71014079	G	HDL	0.037	1.05E-07	28334899	A
rs10504476	8	71267629	G	HDL	0.042	1.62E-08	28334899	A
rs2293889	8	116599199	T	HDL	-0.031	1.00E-18	24097064	T
rs2737252	8	116663898	A	LDL	-0.031	1.00E-14	24097064	A
rs4871137	8	121868551	T	HDL	-0.021	1.00E-08	24097064	T
rs2980885	8	126474306	A	HDL	0.035	4.00E-17	24097064	A
rs2980885	8	126474306	A	LDL	-0.031	4.00E-12	24097064	A
rs2980885	8	126474306	A	Triglycerides	-0.058	5.00E-45	24097064	A
rs2954022	8	126482621	A	HDL	0.04	2.00E-32	24097064	A
rs2954022	8	126482621	A	LDL	-0.055	4.00E-51	24097064	A
rs2954022	8	126482621	A	Triglycerides	-0.078	2.00E-124	24097064	A
rs2954029	8	126490972	T	HDL	0.04	3.00E-29	24097068	A
rs2954029	8	126490972	T	LDL	-0.056	2.00E-50	24097068	A
rs2954029	8	126490972	T	Triglycerides	-0.076	1.00E-107	24097068	A
rs4075205	8	144284709	T	HDL	0.022	2.00E-10	24097064	T
rs7832643	8	145022657	T	LDL	0.034	7.00E-19	24097064	T
rs11136341	8	145043543	G	LDL	1.4	4.00E-13	20686565	A
rs3780181	9	2640759	A	LDL	0.045	1.00E-09	24097064	A

rs686030	9	15304782	A	HDL	0.055	3.00E-29	24097064	A
rs581080	9	15305378	G	HDL	-0.042	1.00E-19	24097068	C
rs7033354	9	16904846	T	Triglycerides	-0.019	3.00E-08	24097064	T
rs1883025	9	107664301	T	HDL	-0.07	6.00E-66	24097064	T
rs1883025	9	107664301	T	LDL	-0.03	1.00E-11	24097064	T
rs1883025	9	107664301	T	Triglycerides	-0.022	3.00E-08	24097064	T
rs2472509	9	107684230	T	HDL	-0.023	7.00E-10	24097064	T
rs8176720	9	136132873	T	LDL	0.033	6.00E-18	24097064	T
rs579459	9	136154168	T	LDL	-0.067	3.00E-49	24097064	T
rs635634	9	136155000	T	LDL	0.077	2.00E-41	24097068	T
rs1781930	10	5196273	A	Triglycerides	-0.031	5.00E-13	24097064	A
rs1832007	10	5254847	G	Triglycerides	-0.033	2.00E-12	24097068	A
rs970548	10	46013277	A	HDL	-0.026	2.00E-11	24097064	A
rs10761731	10	65027610	T	Triglycerides	-2.38	3.00E-12	20686565	A
rs7897379	10	65301725	T	HDL	-0.019	1.00E-08	24097064	T
rs7897379	10	65301725	T	Triglycerides	0.027	2.00E-16	24097064	T
rs2068888	10	94839642	A	HDL	0.019	5.00E-08	24097064	A
rs2068888	10	94839642	A	Triglycerides	-0.024	2.00E-12	24097064	A
rs2255141	10	113933886	A	HDL	0.034	1.00E-19	24097064	A
rs2255141	10	113933886	A	LDL	0.03	7.00E-14	24097064	A
rs2255141	10	113933886	A	Triglycerides	-0.021	1.00E-08	24097064	A
rs10886863	10	122929493	C	Triglycerides	0.041	2.73E-10	28334899	T
rs2923084	11	10388782	A	HDL	0.026	2.00E-08	24097064	A
rs2303975	11	14276999	A	HDL	0.028	1.00E-08	24097064	A
rs10832962	11	18656271	T	LDL	0.032	2.00E-15	24097064	T
rs3136441	11	46743247	C	HDL	0.054	7.00E-29	24097068	T
rs326214	11	47298360	A	HDL	-0.061	3.00E-42	24097064	A
rs326214	11	47298360	A	Triglycerides	0.024	2.00E-08	24097064	A
rs17788930	11	47752775	A	HDL	0.036	1.00E-23	24097064	A
rs12226802	11	55324308	A	HDL	-0.033	2.00E-11	24097064	A
rs174532	11	61548874	A	LDL	0.035	5.00E-17	24097064	A
rs174546	11	61569830	T	HDL	-0.039	8.00E-28	24097068	T
rs174546	11	61569830	T	LDL	-0.051	2.00E-39	24097068	T
rs174546	11	61569830	T	Triglycerides	0.045	7.00E-38	24097068	T
rs1535	11	61597972	A	HDL	0.039	5.00E-28	24097064	A
rs1535	11	61597972	A	LDL	0.053	3.00E-43	24097064	A
rs1535	11	61597972	A	Triglycerides	-0.046	1.00E-40	24097064	A
rs12801636	11	65391317	A	HDL	0.024	2.00E-08	24097064	A
rs499974	11	75455021	A	HDL	-0.026	2.00E-09	24097064	A
rs10790162	11	116639104	A	HDL	-0.095	3.00E-46	24097064	A
rs10790162	11	116639104	A	LDL	0.076	3.00E-26	24097064	A
rs10790162	11	116639104	A	Triglycerides	0.23	1.00E-276	24097064	A
rs2160669	11	116647607	-	Triglycerides		3.00E-128	24097068	T
rs964184	11	116648917	C	HDL	0.106	6.00E-48	24097068	C
rs964184	11	116648917	G	LDL	2.85	1.00E-26	20686565	C
rs964184	11	116648917	G	Triglycerides	16.95	7.00E-240	20686565	C
rs603446	11	116654435	T	Triglycerides	-0.05	2.00E-50	24097064	T

rs35120633	11	116655600	T	Triglycerides	13%	2.70E-12	24507774	A
rs7941030	11	122522375	C	HDL	0.027	1.00E-14	24097068	T
rs7117842	11	122534504	T	HDL	-0.027	6.00E-15	24097064	T
rs11220462	11	126243952	A	LDL	0.059	3.00E-23	24097064	A
rs10743940	12	7651138	A	HDL	0.05	2.30E-09	28334899	A
rs1419980	12	7774892	G	HDL	0.048	1.45E-08	28334899	A
rs11045163	12	20463526	A	HDL	-0.022	3.00E-10	24097064	A
rs7134375	12	20473758	A	HDL	0.021	1.00E-08	24097068	A
rs11613352	12	57792580	T	HDL	0.028	2.00E-13	24097068	T
rs11613352	12	57792580	T	Triglycerides	-0.028	9.00E-14	24097068	T
rs3741414	12	57844049	T	HDL	0.03	2.00E-13	24097064	T
rs3741414	12	57844049	T	Triglycerides	-0.028	8.00E-13	24097064	T
rs10861661	12	107174646	A	Triglycerides	-0.023	3.00E-08	24097064	A
rs2241210	12	109950144	A	HDL	-0.033	3.00E-21	24097064	A
rs7134594	12	110000193	C	HDL	-0.44	7.00E-15	20686565	T
rs653178	12	112007756	T	HDL	0.026	1.00E-13	24097064	T
rs653178	12	112007756	T	LDL	0.023	2.00E-09	24097064	T
rs11065987	12	112072424	G	LDL	-0.027	1.00E-11	24097068	A
rs6489818	12	112310580	A	LDL	0.028	6.00E-09	24097064	A
rs1186380	12	121376416	T	LDL	-0.024	1.00E-08	24097064	T
rs1169288	12	121416650	C	LDL	0.038	6.00E-21	24097068	A
rs4759375	12	123796238	T	HDL	0.86	8.00E-09	20686565	T
rs4765127	12	124460167	T	HDL	0.44	3.00E-10	20686565	T
rs12310367	12	124486678	G	Triglycerides	-2.42	1.00E-08	20686565	A
rs838876	12	125259888	A	HDL	0.049	5.00E-36	24097064	A
rs838880	12	125261593	C	HDL	0.048	6.00E-32	24097068	T
rs10773105	12	125283766	T	HDL	-0.036	1.00E-25	24097064	T
rs4942486	13	32953388	T	LDL	0.024	2.00E-11	24097068	T
rs1341267	13	95284980	C	Triglycerides	0.026	2.75E-08	28334899	A
rs8017377	14	24883887	A	LDL	0.03	3.00E-15	24097064	A
rs10144765	14	52559930	G	HDL	0.035	4.16E-08	28334899	C
rs4983559	14	105277209	G	HDL	0.02	1.00E-08	24097068	A
rs2412710	15	42683787	A	HDL	-0.084	1.00E-09	24097064	A
rs2412710	15	42683787	A	Triglycerides	0.099	8.00E-14	24097064	A
rs55707100	15	43820717	T	Triglycerides	9%	1.40E-17	24507774	T
rs492571	15	44211273	T	HDL	0.066	2.00E-13	24097064	T
rs492571	15	44211273	T	Triglycerides	-0.08	2.00E-19	24097064	T
rs2929282	15	44245931	T	Triglycerides	5.13	2.00E-11	20686565	A
rs1532085	15	58683366	A	HDL	0.11	2.00E-209	24097064	A
rs1532085	15	58683366	A	Triglycerides	0.031	5.00E-20	24097064	A
rs261342	15	58731153	C	HDL	-0.11	6.00E-71	24097064	C
rs261342	15	58731153	C	Triglycerides	-0.045	4.00E-14	24097064	C
rs2652834	15	63396867	A	HDL	-0.029	4.00E-11	24097064	A
rs2652834	15	63396867	A	Triglycerides	0.025	4.00E-09	24097064	A
rs1035744	15	72566615	T	Triglycerides	0.021	4.00E-08	24097064	T
rs8030477	15	73085815	T	Triglycerides	0.031	1.22E-07	28334899	T
rs3198697	16	15129940	T	Triglycerides	-0.02	4.00E-09	24097064	T

rs11649653	16	30918487	G	Triglycerides	-2.13	3.00E-08	20686565	C
rs749671	16	31088347	A	Triglycerides	-0.021	4.00E-10	24097064	A
rs9930333	16	53799977	T	Triglycerides	-0.021	1.00E-08	24097064	T
rs1121980	16	53809247	A	HDL	-0.02	7.00E-09	24097068	A
rs1121980	16	53809247	A	Triglycerides	0.021	3.00E-08	24097068	A
rs9989419	16	56985139	A	HDL	-0.15	0	24097064	A
rs9989419	16	56985139	A	LDL	0.028	8.00E-13	24097064	A
rs9989419	16	56985139	A	Triglycerides	0.024	3.00E-12	24097064	A
rs3764261	16	56993324	A	HDL	0.241	1.0E-769	24097068	A
rs3764261	16	56993324	A	LDL	-0.053	2.00E-34	24097068	A
rs3764261	16	56993324	A	Triglycerides	-0.04	2.00E-25	24097068	A
rs5880	16	57015091	C	HDL	-0.31	4.00E-257	24097064	C
rs5880	16	57015091	C	Triglycerides	0.048	3.00E-08	24097064	C
rs868213	16	67220457	G	HDL	0.02	1.40E-08	18354102	A
rs16942887	16	67928042	A	HDL	0.083	1.00E-60	24097064	A
rs2288002	16	72057282	A	LDL	-0.029	5.00E-14	24097064	A
rs2000999	16	72108093	A	LDL	0.065	1.00E-45	24097064	A
rs2925979	16	81534790	T	HDL	-0.035	4.00E-21	24097064	T
rs2925979	16	81534790	T	Triglycerides	0.021	2.00E-08	24097064	T
rs314253	17	7091650	T	LDL	0.024	2.00E-10	24097064	T
rs4791641	17	8161149	T	LDL	-0.02	4.00E-08	24097064	T
rs11869286	17	37813856	G	HDL	-0.032	3.00E-17	24097068	C
rs931992	17	37821435	T	HDL	0.034	3.00E-21	24097064	T
rs8077889	17	41878166	A	Triglycerides	-0.025	2.00E-09	24097064	A
rs7225700	17	45391804	T	LDL	-0.03	8.00E-15	24097064	T
rs7206971	17	45425115	T	LDL	-0.87	4.00E-09	20686565	A
rs1801689	17	64210580	C	LDL	0.103	1.00E-11	24097068	A
rs4148008	17	66875294	G	HDL	-0.028	1.00E-12	24097068	C
rs4148005	17	66882466	T	HDL	0.028	6.00E-15	24097064	T
rs4969178	17	76388202	A	HDL	-0.026	4.00E-14	24097064	A
rs4129767	17	76403984	G	HDL	-0.024	2.00E-11	24097068	A
rs77960347	18	47109955	G	HDL	5 mg/dl	5.10E-27	24507774	A
rs7241918	18	47160953	G	HDL	-1.31	3.00E-49	20686565	T
rs4939883	18	47167214	T	HDL	-0.08	1.00E-71	24097064	T
rs11660468	18	47209143	T	HDL	0.039	9.00E-30	24097064	T
rs952044	18	57798110	T	HDL	-0.023	3.00E-10	24097064	T
rs12967135	18	57849023	A	HDL	-0.42	7.00E-09	20686565	A
rs7248104	19	7224431	A	Triglycerides	-0.022	5.00E-10	24097068	A
rs116843064	19	8429323	A	HDL	4 mg/dl	1.70E-29	24507774	A
rs116843064	19	8429323	A	Triglycerides	-15%	2.90E-37	24507774	A
rs2278236	19	8431581	A	HDL	0.033	7.00E-21	24097064	A
rs7255436	19	8433196	C	HDL	-0.032	2.00E-08	24097068	A
rs6511720	19	11202306	T	LDL	-0.22	3.00E-289	24097064	T
rs688	19	11227602	T	LDL	0.054	9.00E-48	24097064	T
rs737337	19	11347493	C	HDL	-0.056	5.00E-17	24097068	T
rs10401969	19	19407718	T	LDL	0.12	2.00E-60	24097064	T
rs10401969	19	19407718	T	Triglycerides	0.12	3.00E-76	24097064	T

rs731839	19	33899065	A	HDL	0.022	2.00E-09	24097064	A
rs731839	19	33899065	A	Triglycerides	-0.022	5.00E-10	24097064	A
rs1688030	19	35556744	T	Triglycerides	-0.038	3.00E-08	24097064	T
rs3208856	19	45296806	T	LDL	-8 mg/dl	6.20E-30	24507774	T
rs6859	19	45382034	A	LDL	0.084	1.00E-101	24097064	A
rs7254892	19	45389596	A	LDL	-0.49	0	24097064	A
rs7254892	19	45389596	A	Triglycerides	0.12	4.00E-31	24097064	A
rs769455	19	45412040	T	LDL	-12 mg/dl	3.60E-12	24507774	T
rs769455	19	45412040	T	Triglycerides	21%	2.30E-18	24507774	T
rs439401	19	45414451	T	Triglycerides	-5.5	1.00E-30	20686565	T
rs4420638	19	45422946	G	HDL	-0.067	2.00E-21	24097068	A
rs4420638	19	45422946	G	LDL	0.225	2.00E-178	24097068	A
rs492602	19	49206417	A	LDL	-0.029	3.00E-14	24097064	A
rs17695224	19	52324216	A	HDL	-0.029	2.00E-13	24097068	A
rs386000	19	54792761	C	HDL	0.048	3.00E-23	24097068	C
rs103294	19	54797848	T	HDL	0.052	4.00E-33	24097064	T
rs364585	20	12962718	A	LDL	-0.025	4.00E-11	24097064	A
rs2328223	20	17845921	A	LDL	-0.03	2.00E-09	24097064	A
rs7264396	20	34154741	T	LDL	-0.025	3.00E-08	24097064	T
rs2902940	20	39091487	G	LDL	-0.027	2.00E-11	24097068	A
rs6016381	20	39180436	T	LDL	0.036	6.00E-22	24097064	T
rs6029526	20	39672618	A	LDL	1.41	3.00E-19	20686565	A
rs6065311	20	39724338	T	LDL	-0.042	3.00E-30	24097064	T
rs1800961	20	43042364	T	HDL	-0.13	7.00E-38	24097064	T
rs1800961	20	43042364	T	LDL	-0.069	1.00E-10	24097064	T
rs6065906	20	44554015	C	HDL	-0.059	5.00E-40	24097068	T
rs6065906	20	44554015	C	Triglycerides	0.053	2.00E-34	24097068	T
rs4465830	20	44585420	A	HDL	0.06	4.00E-42	24097064	A
rs4465830	20	44585420	A	Triglycerides	-0.053	5.00E-36	24097064	A
rs114139997	21	46875775	A	Triglycerides	-16%	1.60E-16	24507774	A
rs181362	22	21932068	T	HDL	-0.038	7.00E-20	24097064	T
rs5763662	22	30378703	T	LDL	0.077	2.00E-10	24097064	T
rs5756931	22	38546033	C	Triglycerides	-0.02	3.00E-08	24097068	T
rs3761445	22	38595411	A	Triglycerides	0.023	7.00E-12	24097064	A
rs4253772	22	46627603	T	LDL	0.031	3.00E-08	24097068	T

ıtudy-Specific Covariates, and PCs (without Interaction Term).

Our Data							
Freq Effect Allele	Beta	SE	P-value	Lead Association	N	Other Ethnicity p<0.05	Reproduced?*
0.4651	-0.9072	0.1536	**3.54E-09**	TRANS	124,451	EUR,HISP,ASN	Y
0.5077	-0.9191	0.1647	**2.40E-08**	TRANS	122,085	EUR,ASN,HISP	Y
0.0804	-0.0122	0.0026	**1.76E-06**	EUR	78,492	TRANS	Y
0.0799	0.9643	0.3625	0.00781	EUR	71,645	TRANS	N
0.081	0.0164	0.0054	0.00238	EUR	65,274	TRANS	N
0.787	0.0068	0.0014	**1.80E-06**	TRANS	122,505	EUR	Y
0.6251	-1.4493	0.179	**5.69E-16**	TRANS	116,259	EUR,ASN,HISP	Y
0.0159	-14.3865	0.9521	**1.39E-51**	EUR	46,918	TRANS	Y
0.0134	-15.68	4.3232	**0.0002868**	EUR	2,409		N
0.2306	0.0092	0.0028	**0.0009976**	TRANS	108,239	EUR	N
0.6196	1.4311	0.1633	**1.89E-18**	TRANS	118,801	EUR,ASN,AFR,	Y
0.5874	0.0224	0.0023	**7.13E-22**	TRANS	104,968	EUR,HISP,ASN	Y
0.3444	-1.4499	0.1594	**9.57E-20**	TRANS	124,451	EUR,HISP,ASN	Y
0.36	-0.0241	0.0022	**6.89E-27**	TRANS	110,695	EUR,ASN,HISP	Y
0.8123	0.8125	0.2075	**8.99E-05**	TRANS	118,578	EUR,AFR	Y
0.4224	0.006	0.0011	**4.67E-08**	TRANS	132,655	EUR,ASN	Y
0.7537	4.4616	0.1849	**1.26E-128**	TRANS	116,729	EUR,HISP,ASN	Y
0.7762	-0.008	0.0016	**2.36E-07**	EUR	84,539	TRANS,HISP	Y
0.7539	4.4557	0.1851	**4.76E-128**	TRANS	116,729	EUR,HISP,ASN	Y
0.6014	-0.6976	0.1943	0.0003303	TRANS	109,079	EUR,AFR	N
0.857	0.8145	0.2416	0.0007478	TRANS	107,945	EUR	N
0.6581	-0.0025	0.0014	0.06431	EUR	84,539		N
0.5144	-0.0044	0.0013	0.0005471	EUR	84,539	TRANS	N
0.3027	-0.0054	0.0011	**2.12E-06**	TRANS	132,663	EUR,ASN	Y
0.6487	0.006	0.0014	**9.19E-06**	EUR	84,542	TRANS,ASN	Y
0.2658	-0.005	0.0013	**0.0001094**	TRANS	129,930	EUR	Y
0.2654	-0.799	0.1874	**2.02E-05**	TRANS	121,747	EUR	Y
0.7158	0.8357	0.1777	**2.57E-06**	TRANS	122,450	EUR	Y
0.7442	-0.6352	0.1812	0.0004555	TRANS	121,147	EUR	N
0.6066	0.0099	0.0013	**1.26E-13**	EUR	84,542	TRANS	Y
0.522	-0.0131	0.0025	**1.47E-07**	TRANS	104,968	EUR,HISP	Y
0.2289	0.0034	0.0016	0.02883	EUR	84,539	TRANS	N
0.5279	1.2121	0.1863	**7.65E-11**	EUR	76,868	TRANS,HISP	Y
0.4715	-1.1444	0.1868	**9.03E-10**	EUR	76,868	TRANS,HISP	Y
0.7884	-0.015	0.0016	**1.24E-21**	EUR	84,539	TRANS,AFR,HI	Y
0.7862	0.0319	0.0033	**1.35E-22**	EUR	71,317	TRANS,HISP,A	Y
0.3191	-0.0048	0.0014	0.0005782	EUR	84,542	TRANS	N
0.2888	3.0777	0.1818	**2.67E-64**	TRANS	117,666	EUR,HISP,ASN	Y
0.2843	0.0077	0.0026	0.003415	TRANS	103,827	EUR	N

0.1866	-3.7366	0.2356	**1.15E-56**	EUR	76,868	TRANS,HISP,A	Y
0.4069	1.045	0.186	**1.92E-08**	EUR	76,868	TRANS	Y
0.3666	0.0482	0.0025	**1.42E-84**	TRANS	104,968	EUR,HISP,ASN	Y
0.8114	0.7853	0.2313	0.0006854	EUR	82,518	AFR,TRANS	N
0.8146	0.0313	0.0032	**4.77E-23**	TRANS	107,455	EUR,ASN,HISP	Y
0.7131	-2.0194	0.1844	**6.37E-28**	TRANS	115,194	EUR,AFR,HISP	Y
0.2865	1.9301	0.1899	**2.90E-24**	TRANS	109,544	EUR,AFR,HISP	Y
0.1838	-0.7527	0.2405	0.001746	EUR	73,771	TRANS	N
0.683	0.578	0.1654	0.0004748	TRANS	124,457	EUR,HISP	N
0.9169	1.2164	0.3168	**0.0001232**	EUR	82,519	TRANS,HISP	Y
0.0786	-1.1836	0.3352	0.0004144	EUR	76,398	TRANS	N
0.4338	0.6498	0.1554	**2.88E-05**	TRANS	124,451	EUR	Y
0.1493	0.8766	0.2638	0.0008907	EUR	77,559	TRANS	N
0.5282	0.0095	0.0023	**3.23E-05**	TRANS	109,554	EUR,HISP	Y
0.8665	-0.0102	0.0017	**5.93E-10**	TRANS	118,059	EUR	Y
0.8674	-0.0105	0.0017	**1.89E-10**	TRANS	115,720	EUR	Y
0.8643	0.0144	0.0033	**1.37E-05**	TRANS	100,572	EUR	Y
0.3792	-0.003	0.0012	0.008398	TRANS	131,931	EUR	N
0.6038	-0.6158	0.1573	**9.05E-05**	TRANS	118,801	EUR,HISP	Y
0.3207	-0.0062	0.0012	**2.62E-07**	TRANS	130,654	EUR,HISP,AFR	Y
0.2547	-0.5916	0.1874	0.001594	TRANS	114,734	EUR,ASN	N
0.6393	-0.0053	0.0013	**7.05E-05**	EUR	84,539	TRANS	Y
0.6825	0.007	0.0025	0.005047	TRANS	102,879	EUR	N
0.6352	-0.0054	0.0011	**1.96E-06**	TRANS	130,565	EUR	Y
0.6236	0.0085	0.0023	0.0002148	TRANS	108,606	EUR	N
0.1075	0.9894	0.2957	0.0008193	EUR	82,519	TRANS	N
0.6286	-0.0019	0.0013	0.1505	EUR	84,539		N
0.3848	-0.6269	0.1597	**8.68E-05**	TRANS	122,379	EUR,HISP	Y
0.151	-0.8713	0.253	0.0005732	TRANS	113,835	EUR,ASN,AFR	N
0.171	-0.0068	0.0018	0.0001407	EUR	79,511	TRANS	N
0.5005	-0.005	0.0012	**4.50E-05**	EUR	90,269	TRANS	Y
0.5001	0.0051	0.0012	**3.79E-05**	EUR	90,269	TRANS,AFR	Y
0.2304	0.0042	0.0014	0.001943	TRANS	121,056	EUR	N
0.4446	0.0179	0.0047	**0.0001216**	HISP	6,217	TRANS	Y
0.1375	-0.0082	0.0065	0.2097	HISP	6,217		N
0.1232	-0.9942	0.2501	**7.02E-05**	TRANS	104,544	EUR,HISP,ASN	Y
0.8865	0.8786	0.2559	0.0005951	TRANS	110,194	EUR,HISP	N
0.7785	0.0088	0.0032	0.005792	EUR	71,316	TRANS	N
0.7775	-0.006	0.0015	**4.60E-05**	EUR	90,266	TRANS	Y
0.7778	0.0108	0.0031	0.0004602	EUR	77,043	TRANS	N
0.5671	-0.0052	0.0013	**7.79E-05**	EUR	90,266	TRANS	Y
0.2812	0.0105	0.0049	0.03333	AFR	23,508	TRANS	N
0.5444	-0.355	0.1623	0.02871	TRANS	110,502	EUR,HISP	N
0.5228	-0.0088	0.0023	0.0001502	TRANS	96,518	EUR,ASN	N
0.8233	0.0077	0.0015	**1.88E-07**	TRANS	122,639	EUR,AFR,HISP	Y
0.5719	-0.0044	0.0011	**4.48E-05**	TRANS	126,928	ASN,EUR	Y
0.568	0.0132	0.0023	**4.05E-09**	TRANS	104,968	EUR,HISP,ASN	Y

0.2326	0.0115	0.0031	0.0002257	EUR	76,352	TRANS	N
0.4608	-0.0044	0.0013	0.0004564	EUR	90,266	TRANS	N
0.4553	0.0031	0.0011	0.003992	TRANS	130,231	EUR	N
0.0723	-0.0123	0.0026	**1.95E-06**	TRANS	97,891	EUR	Y
0.5889	-0.0039	0.0012	0.00089	TRANS	126,928	EA,ASN	N
0.2917	-0.0037	0.0012	0.002014	TRANS	126,936	EUR	N
0.1981	-0.0051	0.0016	0.001916	EUR	84,539	TRANS	N
0.1973	0.0119	0.0035	0.0006191	EUR	71,316	TRANS	N
0.5332	0.0039	0.0012	0.0009779	TRANS	126,928	EUR,HISP	N
0.3913	1.8978	0.1591	**8.77E-33**	TRANS	118,801	EUR,ASN,HISP	Y
0.6028	-2.0454	0.1564	**4.20E-39**	TRANS	124,451	EUR,ASN,HISP	Y
0.5511	0.5017	0.1584	0.001541	TRANS	118,801	EUR	N
0.3928	-1.1846	0.1648	**6.61E-13**	TRANS	114,954	EUR,AFR,HISP	Y
0.3695	-0.013	0.0028	**3.74E-06**	EUR	70,625	TRANS,HISP	Y
0.4921	1.1645	0.18	**9.90E-11**	EUR	82,518	TRANS	Y
0.2659	-1.0021	0.1801	**2.66E-08**	TRANS	118,801	EUR,AFR	Y
0.0623	-1.4147	0.3876	0.0002624	TRANS	84,989	EUR	N
0.141	-3.6049	1.3398	0.007134	HISP	3,001	TRANS	N
0.139	-0.0546	0.019	0.003989	HISP	3,043		N
0.1407	1.7178	0.5093	0.0007441	EUR	21,536	TRANS	N
0.1544	-0.0053	0.0018	0.002758	EUR	84,542	TRANS	N
0.6604	0.0047	0.0012	**9.20E-05**	TRANS	131,521	EUR,ASN	Y
0.593	-0.0041	0.0011	0.000202	TRANS	130,654	EA	N
0.4489	-0.0069	0.0013	**3.17E-08**	TRANS	119,389	HISP,EUR,AFR	Y
0.4255	0.0153	0.0026	**3.12E-09**	TRANS	99,453	EUR,HISP,AFR	Y
0.3563	-0.6443	0.1826	0.000417	EA	82,519	TRANS,HISP	N
0.7787	0.7623	0.2331	0.001072	EUR	82,519	TRANS	N
0.6497	0.5654	0.1862	0.002395	EUR	82,519	TRANS	N
0.3993	-0.6065	0.1597	0.0001456	TRANS	119,879	EUR,HISP	N
0.5168	-0.0062	0.0011	**1.96E-08**	TRANS	130,654	EUR,AFR,ASN,	Y
0.5194	0.0079	0.0022	0.0003126	TRANS	110,701	ASN,EUR,AFR	N
0.526	0.0055	0.0011	**4.70E-07**	TRANS	132,655	EUR,HISP,AFR,	Y
0.5881	0.0069	0.0013	**4.22E-08**	EUR	90,269	TRANS	Y
0.4116	-0.007	0.0013	**3.92E-08**	EUR	90,269	TRANS	Y
0.4147	0.013	0.0026	**7.80E-07**	EUR	77,044	TRANS	Y
0.7346	-0.0042	0.0015	0.004169	EUR	84,539	TRANS	N
0.4004	-0.7807	0.1551	**4.79E-07**	TRANS	124,451	EUR	Y
0.8439	-1.4621	0.2271	**1.20E-10**	TRANS	108,818	EUR,AFR	Y
0.3053	-0.0045	0.0146	0.7591	AFR	724		N
0.3887	-0.0138	0.0046	0.002467	HISP	6,217	TRANS	N
0.4167	0.003	0.0013	0.01937	EUR	90,269		N
0.4055	-0.0052	0.0013	**3.85E-05**	EUR	90,266	TRANS,ASN	Y
0.4008	-0.0054	0.0013	**2.12E-05**	EUR	90,266	TRANS	Y
0.7705	-1.0873	0.2168	**5.29E-07**	EUR	76,869	TRANS	Y
0.847	-1.2357	0.2455	**4.84E-07**	TRANS	109,686	EUR,HISP,AFR	Y
0.8484	0.0111	0.0036	0.001951	TRANS	96,853	EUR	N
0.2422	1.306	0.2643	**7.79E-07**	EUR	71,171	TRANS	Y

0.7956	-1.327	0.2684	**7.63E-07**	EUR	71,672	TRANS,AFR	Y
0.4306	-1.1159	0.1658	**1.68E-11**	TRANS	116,055	EUR	Y
0.6912	-0.0029	0.0012	0.01367	TRANS	132,655		N
0.0328	-0.0019	0.0186	0.9192	EUR	17,561		N
0.126	0.0108	0.002	**6.44E-08**	EUR	84,542	TRANS	Y
0.1163	-0.0481	0.0036	**7.99E-41**	TRANS	101,024	EUR,HISP,ASN	Y
0.5016	0.0182	0.0029	**2.52E-10**	EUR	64,409	TRANS,HISP	Y
0.5698	0.0058	0.0023	0.01322	TRANS	104,968	EUR	N
0.4367	0.0085	0.0011	**1.17E-14**	TRANS	126,928	EUR,HISP,AFR	Y
0.5568	-0.0084	0.0011	**1.88E-15**	TRANS	130,654	EUR,HISP,AFR	Y
0.916	0.0052	0.002	0.01015	TRANS	119,095	EUR	N
0.1176	-0.0168	0.0018	**1.02E-20**	TRANS	124,478	EUR,HISP,AFR	Y
0.115	-2.3326	0.2639	**9.67E-19**	TRANS	116,313	EUR,AFR,HISP	Y
0.8828	0.0169	0.0018	**7.45E-21**	TRANS	124,478	EUR,HISP,AFR	Y
0.8853	2.3229	0.2638	**1.31E-18**	TRANS	116,313	EUR,AFR,HISP	Y
0.4558	0.0097	0.0027	0.0002859	EUR	77,043	TRANS	N
0.371	0.0085	0.0027	0.001701	EUR	77,044	TRANS	N
0.0148	-0.0323	0.0303	0.2851	EUR	2,411		N
0.7118	-0.0135	0.0025	**7.24E-08**	TRANS	104,968	EUR,AFR,ASN	Y
0.7133	-0.0135	0.0025	**3.65E-08**	TRANS	110,695	EUR,AFR,ASN	Y
0.9796	0.0505	0.0055	**2.68E-20**	EUR	69,461	TRANS	Y
0.9793	-0.0939	0.0116	**4.79E-16**	EUR	56,231	TRANS	Y
0.8963	-0.0267	0.0018	**1.43E-52**	TRANS	125,294	EUR,ASN,HISP	Y
0.8969	0.0656	0.0043	**3.13E-52**	EUR	71,317	TRANS,HISP,A	Y
0.5531	0.0139	0.0011	**2.37E-37**	TRANS	130,654	EUR,AFR,HISP	Y
0.5765	-0.0243	0.0024	**8.64E-25**	TRANS	110,695	EUR,HISP,AFR	Y
0.1938	1.1503	0.2328	**7.79E-07**	EUR	76,869	TRANS,AFR	Y
0.6822	-0.7002	0.1639	**1.93E-05**	TRANS	124,457	EUR,ASN	Y
0.3166	0.6407	0.1681	**0.0001387**	TRANS	118,807	EUR,ASN	Y
0.3372	-0.0072	0.0033	0.02604	ASN	13,171		N
0.1654	-0.0054	0.0016	0.00095	TRANS	130,832	ASN,EA	N
0.377	-0.005	0.0012	**2.63E-05**	TRANS	126,928	EUR,ASN	Y
0.264	-0.6708	0.1745	**0.0001212**	TRANS	122,450	ASN,EUR	Y
0.6134	-0.0053	0.0012	**8.46E-06**	TRANS	125,267	EUR,AFR	Y
0.7763	0.008	0.0016	**2.81E-07**	EUR	90,266	TRANS	Y
0.7893	-0.7578	0.194	**9.39E-05**	TRANS	124,451	EUR	Y
0.7761	-0.022	0.0032	**7.98E-12**	EUR	77,043	TRANS,ASN,HI	Y
0.4682	0.0094	0.0012	**2.67E-14**	EUR	90,269	TRANS	Y
0.4669	-1.4631	0.1759	**9.01E-17**	EUR	82,518	TRANS,ASN,HI	Y
0.4686	-0.0298	0.0026	**1.62E-30**	EUR	77,043	TRANS,HISP,A	Y
0.5319	-0.0095	0.0012	**2.05E-14**	EUR	90,269	TRANS	Y
0.545	1.2869	0.1529	**3.92E-17**	TRANS	124,457	EUR,ASN,HISP	Y
0.5312	0.0298	0.0026	**2.40E-30**	EUR	77,043	TRANS,HISP,A	Y
0.5487	0.0058	0.0014	**2.77E-05**	EUR	79,115	TRANS	Y
0.4218	0.5627	0.1705	0.0009641	TRANS	116,003	EUR,ASN	N
0.6268	-0.6469	0.1816	0.0003687	TRANS	114,002	EUR	N
0.8834	1.2097	0.2654	**5.16E-06**	TRANS	116,235	EUR,AFR	Y

0.8573	0.0127	0.0018	**1.07E-12**	EUR	90,269	TRANS	Y
0.8159	0.0099	0.0017	**2.21E-09**	EUR	90,269	TRANS	Y
0.661	-0.0128	0.0028	**3.38E-06**	EUR	77,043	TRANS	Y
0.2753	-0.0129	0.0012	**1.20E-25**	TRANS	126,928	EUR,ASN	Y
0.2538	-0.6911	0.2126	0.001152	EUR	76,869	TRANS,HISP	N
0.2766	-0.0096	0.0026	0.0001789	TRANS	104,968	EUR,ASN,AFR	N
0.6676	-0.0072	0.0013	**1.05E-07**	EUR	90,269	TRANS	Y
0.6185	0.7615	0.1604	**2.07E-06**	TRANS	117,163	EUR,ASN	Y
0.7972	-2.0948	0.1958	**1.02E-26**	TRANS	117,157	EUR,ASN,HISP	Y
0.1837	2.3398	0.207	**1.28E-29**	TRANS	115,156	EUR,ASN,AFR,	Y
0.1704	-0.0107	0.0035	0.001994	EUR	77,043	TRANS	N
0.8552	0.0117	0.0035	0.0007971	TRANS	95,050	EUR	N
0.7523	-0.0053	0.0015	0.0003655	EUR	84,542	TRANS,ASN	N
0.6054	0.0164	0.0023	**7.21E-13**	TRANS	110,695	EUR,AFR	Y
0.5485	-0.0066	0.001	**2.05E-10**	TRANS	132,663	EUR,ASN,HISP	Y
0.5536	0.0162	0.0022	**3.00E-13**	TRANS	110,695	EUR,AFR	Y
0.4625	0.0062	0.0011	**5.01E-08**	TRANS	126,928	EUR,AFR	Y
0.4358	-0.0142	0.0023	**1.31E-09**	TRANS	104,968	EUR,AFR,HISP	Y
0.2689	0.0064	0.0013	**3.27E-07**	TRANS	126,212	EUR,AFR,ASN	Y
0.2891	0.7937	0.1996	**7.02E-05**	EUR	76,868	TRANS	Y
0.2682	-0.0074	0.0027	0.007027	TRANS	103,653	EUR	N
0.3944	-0.0435	0.011	**7.37E-05**	ASN	4,649	TRANS	Y
0.8158	0.0039	0.0017	0.01917	EUR	84,542	TRANS	N
0.1916	0.0076	0.0032	0.01882	AFR	23,753	HISP, TRANS	N
0.7385	0.8485	0.2062	**3.87E-05**	EUR	82,519	TRANS	Y
0.7654	-0.0081	0.0016	**2.97E-07**	TRANS	114,129	EUR,AFR	Y
0.5802	-0.0092	0.0011	**1.24E-15**	TRANS	126,928	EUR,AFR,ASN	Y
0.3663	0.0138	0.0046	0.002716	AFR	23,508	TRANS	N
0.6814	0.0068	0.0012	**4.54E-09**	TRANS	131,931	EUR,ASN	Y
0.873	-0.0098	0.0019	**3.56E-07**	EUR	89,082	TRANS	Y
0.2937	0.7688	0.1975	**9.91E-05**	TRANS	109,110	EUR,HISP	Y
0.3557	-0.0094	0.0012	**2.36E-14**	TRANS	126,212	EUR,HISP,AFR	Y
0.3528	-1.3487	0.1722	**4.78E-15**	TRANS	117,500	EUR,HISP,ASN	Y
0.3303	0.0218	0.0026	**1.24E-17**	TRANS	103,653	EUR,HISP,AFR	Y
0.6469	0.0086	0.0011	**6.11E-14**	TRANS	126,928	EUR,HISP,AFR	Y
0.6477	1.2921	0.1694	**2.42E-14**	TRANS	118,801	EUR,HISP,ASN	Y
0.6713	-0.0213	0.0025	**1.21E-17**	TRANS	104,968	EUR,HISP,AFR	Y
0.2199	0.005	0.0016	0.001592	EUR	84,542	TRANS	N
0.2263	-0.0039	0.0013	0.002739	TRANS	126,428	EUR,ASN	N
0.1149	-0.023	0.002	**2.45E-30**	TRANS	114,836	ASN,EUR,HISP	Y
0.1115	1.2327	0.2953	**3.00E-05**	TRANS	105,718	EUR,AFR	Y
0.0856	0.0894	0.0048	**3.10E-77**	TRANS	92,929	EUR,HISP,ASN	Y
0.9154	-0.0831	0.0043	**1.23E-83**	TRANS	107,841	EUR,ASN,HISP	Y
0.8289	0.0209	0.0014	**5.97E-49**	TRANS	130,320	EUR,ASN,HISP	Y
0.8641	-2.0848	0.2596	**9.74E-16**	EUR	82,518	TRANS,HISP	Y
0.8305	-0.0763	0.003	**2.17E-138**	TRANS	108,352	EUR,HISP,ASN	Y
0.3889	-0.0206	0.0023	**6.14E-19**	TRANS	109,043	ASN,EUR,HISP	Y

0.0665	0.0915	0.0052	**1.81E-68**	TRANS	91,293	EUR,HISP,AFR	Y
0.6134	-0.005	0.0013	0.0001607	EUR	84,539	TRANS	N
0.6212	-0.0045	0.0013	0.0004198	EUR	90,266	TRANS	N
0.1823	1.2412	0.224	**2.99E-08**	TRANS	113,353	EUR,ASN	Y
0.2501	0.004	0.0018	**0.02856**	TRANS	121,749		N
0.7711	-0.0064	0.0016	**5.41E-05**	TRANS	128,142	ASN,EA	Y
0.5694	-0.0054	0.0013	**2.62E-05**	EUR	90,269	TRANS	Y
0.4375	0.0061	0.0013	**3.73E-06**	EUR	84,542	TRANS	Y
0.2211	0.0056	0.0014	**4.86E-05**	TRANS	128,796	EUR	Y
0.2242	-0.007	0.0028	0.0116	TRANS	108,155		N
0.2232	0.0058	0.0014	**3.36E-05**	TRANS	129,849	EUR	Y
0.2266	-0.0069	0.0029	0.01775	TRANS	107,207		N
0.7629	-0.0118	0.0026	**4.86E-06**	TRANS	110,701	EUR	Y
0.4631	-0.0071	0.001	**1.14E-11**	TRANS	132,655	EUR,AFR,ASN,	Y
0.5376	0.0076	0.0011	**4.59E-12**	TRANS	126,928	EUR,AFR,ASN,	Y
0.5499	0.0038	0.0012	0.002108	TRANS	115,292	EUR	N
0.5459	0.5736	0.1827	0.001692	TRANS	106,607	HISP,EUR	N
0.5923	0.5225	0.19	0.005957	TRANS	106,607	EUR	N
0.3342	0.7476	0.1903	**8.52E-05**	TRANS	123,316	EUR,HISP	Y
0.2538	-0.9724	0.2154	**6.32E-06**	EUR	79,977	TRANS	Y
0.6713	-1.4021	0.2005	**2.68E-12**	EUR	76,868	TRANS,ASN	Y
0.1467	0.0091	0.0018	**2.68E-07**	TRANS	124,435	ASN,EUR	Y
0.3342	0.0099	0.0013	**5.39E-14**	EUR	90,266	TRANS,HISP,A	Y
0.6617	0.0136	0.0024	**7.47E-09**	TRANS	108,606	EUR,AFR	Y
0.3755	0.0069	0.0012	**5.05E-09**	TRANS	128,653	EUR,HISP	Y
0.5902	-0.0069	0.0012	**3.44E-09**	TRANS	122,067	EUR,HISP,ASN	Y
0.577	-0.0066	0.0011	**7.44E-09**	TRANS	131,035	EUR,HISP	Y
0.4875	0.7108	0.1498	**2.09E-06**	TRANS	124,451	EUR,ASN,AFR	Y
0.6081	-0.0065	0.0024	**0.005557**	TRANS	110,695	EA	N
0.4266	0.9699	0.1832	**1.19E-07**	TRANS	106,319	EUR,HISP	Y
0.783	-0.0122	0.0036	**0.000745**	ASIAN	13,171	TRANS	N
0.564	-0.005	0.0013	**0.0001215**	TRANS	98,397	EUR,ASN	Y
0.0217	-0.0179	0.0049	0.0002597	EUR	78,507	TRANS	N
0.0222	0.0373	0.0102	0.0002476	EUR	65,290	AFR,TRANS	N
0.0328	0.0506	0.0082	**7.48E-10**	EUR	67,324	TRANS	Y
0.956	0.0189	0.0032	**2.79E-09**	EUR	86,275	TRANS	Y
0.9553	-0.0333	0.0066	**4.48E-07**	EUR	73,051	TRANS	Y
0.9498	-0.0321	0.0064	**5.78E-07**	EUR	73,551	TRANS,AFR	Y
0.4113	0.0185	0.0011	**1.29E-65**	TRANS	126,928	EUR,ASN,HISP	Y
0.4038	0.013	0.0024	**8.58E-08**	TRANS	97,212	EUR,ASN,AFR	Y
0.6497	-0.0179	0.0012	**4.58E-49**	TRANS	130,654	EUR,ASN,HISP	Y
0.775	-0.0235	0.0032	**2.13E-13**	EUR	77,044	TRANS,AFR	Y
0.2058	-0.0075	0.0016	**2.81E-06**	EUR	84,542	TRANS	Y
0.2067	0.0121	0.0033	0.0002497	EUR	71,317	TRANS	N
0.6286	0.0273	0.009	0.002518	HISP	6,247	TRANS	N
0.5612	0.0247	0.0088	**0.004832**	HISP	6,247	ASN,TRANS	N
0.395	-0.0067	0.0029	0.02219	EUR	74,478	TRANS	N

0.5914	0.0071	0.0028	0.01277	EUR	77,044	TRANS	N
0.3799	-0.0059	0.0027	0.03107	EUR	77,044		N
0.8394	0.0155	0.0163	0.3393	ASN	3,902		N
0.4302	-0.0052	0.0013	**6.33E-05**	EUR	84,542	TRANS	Y
0.1592	-0.0164	0.0161	0.3084	ASN	3,902		N
0.3889	-0.0321	0.0013	**7.75E-133**	EUR	88,646	TRANS,ASN,HI	Y
0.3886	0.7526	0.1867	**5.56E-05**	EUR	80,905	TRANS	Y
0.3883	0.0088	0.0028	0.0014	EUR	75,424	TRANS	N
0.3123	0.0463	0.0012	2.80E-328	TRANS	124,174	EUR,ASN,HISP	N
0.3257	-1.0765	0.2038	**1.29E-07**	EUR	75,256	TRANS	Y
0.3263	-0.0139	0.003	**2.89E-06**	EUR	69,697	TRANS,ASN	Y
0.0538	-0.0718	0.0031	**3.11E-117**	TRANS	100,487	EUR,HISP,ASN	Y
0.0528	0.0298	0.0068	**1.09E-05**	EUR	70,741		Y
0.7697	-0.0076	0.0017	**1.29E-05**	TRANS	124,007	AFR,EUR	Y
0.1478	0.0144	0.0016	**4.28E-19**	TRANS	120,564	EUR,AFR,HISP,	Y
0.4439	-0.7054	0.1549	**5.28E-06**	TRANS	122,456	EUR,ASN,HISP	Y
0.204	1.6361	0.2023	**6.00E-16**	TRANS	115,499	EUR,ASN	Y
0.3098	-0.0082	0.0012	**2.99E-12**	TRANS	126,928	EUR,ASN,AFR	Y
0.301	0.0125	0.003	**2.24E-05**	EUR	71,317	TRANS,HISP	Y
0.5741	1.7062	0.7363	0.02049	HISP	6,202		N
0.5042	-0.5543	0.1758	0.001617	EUR	82,519	TRANS	N
0.667	0.0071	0.0013	**5.17E-08**	EUR	90,266	TRANS	Y
0.5743	0.0061	0.0011	**4.39E-08**	TRANS	132,655	EUR	Y
0.7952	-0.0077	0.003	0.009382	TRANS	92,810		N
0.3471	-0.5426	0.158	0.0005964	TRANS	124,451	EUR	N
0.4639	0.7737	0.154	**5.10E-07**	TRANS	124,457	EUR,HISP	Y
0.9666	-2.7393	0.6556	**2.94E-05**	EUR	50,718	TRANS	Y
0.6809	0.0067	0.0013	**6.12E-07**	EUR	90,266	TRANS	Y
0.6838	0.0069	0.0013	**2.00E-07**	EUR	90,266	TRANS	Y
0.3984	-0.0058	0.0011	**1.02E-07**	TRANS	132,655	EUR,ASN	Y
0.461	0.0056	0.0011	**2.56E-07**	TRANS	126,928	EUR,ASN	Y
0.9869	-0.031	0.0067	**3.71E-06**	EUR	62,935	TRANS	Y
0.8472	0.0168	0.0016	**2.88E-27**	TRANS	123,771	EUR,AFR,ASN	Y
0.2475	-0.0135	0.0014	**3.24E-23**	TRANS	123,101	EUR,ASN,AFR	Y
0.3587	0.0065	0.0011	**1.02E-08**	TRANS	132,655	EUR,AFR	Y
0.3335	-0.004	0.0013	0.002731	EUR	90,266	TRANS	N
0.2408	-0.0059	0.0013	**2.73E-06**	TRANS	130,829	EUR,AFR	Y
0.389	-0.0113	0.0024	**2.04E-06**	TRANS	97,212	EUR	Y
0.0288	0.026	0.008	0.001133	EUR	26,931		N
0.0259	-0.0429	0.0554	0.4393	HISP	1,588		N
0.5158	0.0064	0.0013	**6.39E-07**	EUR	87,406	TRANS	Y
0.5323	0.0053	0.0012	**4.46E-06**	TRANS	118,308	EUR	Y
0.1146	-6.0191	0.2964	**1.08E-91**	TRANS	84,057	EUR,ASN,HISP	Y
0.4002	1.747	0.1622	**4.60E-27**	TRANS	123,316	EUR,HISP,ASN	Y
0.7615	0.0153	0.0016	**1.62E-21**	TRANS	119,848	ASN,EUR,AFR,	Y
0.923	1.6159	0.3563	**5.76E-06**	EUR	75,724	TRANS,HISP,A	Y
0.9238	0.0339	0.0053	**1.48E-10**	EUR	70,170	TRANS,HISP	Y

0.6641	0.005	0.0014	0.0002943	EUR	84,539	TRANS	N
0.6663	-0.0054	0.0029	0.05987	EUR	71,316		N
0.1174	-0.0164	0.0042	**8.39E-05**	TRANS	99,879	EUR,AFR	Y
0.032	-7.4569	0.6385	**1.63E-31**	EUR	63,319	TRANS	Y
0.4215	2.5748	0.203	**7.52E-37**	EUR	66,950	TRANS	Y
0.0623	-12.8991	0.5187	**1.58E-136**	TRANS	75,128	EUR,ASN,AFR,	Y
0.039	0.0468	0.0085	**3.60E-08**	EUR	59,705	TRANS,ASN,AF	Y
0.0207	-5.1865	3.1447	0.09909	TRANS	5,639		N
0.0161	0.1363	0.0686	0.04695	HISP	1,588		N
0.3715	-0.0291	0.0031	**4.84E-21**	EUR	58,681	TRANS,ASN	Y
0.827	0.0163	0.002	**2.18E-16**	EUR	79,115	TRANS,ASN,HI	Y
0.8286	-5.5005	0.2859	**1.68E-82**	EUR	71,543	TRANS,ASN,HI	Y
0.5264	-0.8876	0.1715	**2.27E-07**	TRANS	102,852	EUR	Y
0.2484	-0.0072	0.0012	**3.98E-09**	TRANS	132,663	EUR,ASN	Y
0.278	0.013	0.0014	**3.98E-20**	TRANS	114,438	EUR,AFR,HISP	Y
0.2331	0.0138	0.0014	**1.59E-24**	TRANS	125,820	EUR,AFR,HISP	Y
0.3655	-0.4511	0.1626	0.005518	TRANS	118,801		N
0.8031	-1.148	0.2109	**5.23E-08**	TRANS	110,869	EUR	Y
0.2664	-0.7697	0.1742	**9.94E-06**	TRANS	124,457	EUR,HISP	Y
0.7015	0.6946	0.1929	0.0003178	EUR	82,519	TRANS,HISP	N
0.5913	1.0264	0.1529	**1.92E-11**	TRANS	124,451	EUR,ASN	Y
0.5248	1.1061	0.1586	**3.12E-12**	TRANS	122,450	EUR,AFR,ASN	Y
0.469	-1.0722	0.1563	**6.85E-12**	TRANS	124,451	EUR,AFR,ASN	Y
0.0332	-0.0339	0.004	**2.42E-17**	TRANS	74,461	EUR,HISP	Y
0.0322	-1.4305	0.5503	0.009335	EUR	69,427	TRANS	N
0.8191	0.0133	0.0014	**9.37E-21**	TRANS	126,783	EUR,AFR,ASN	Y
0.8174	-0.021	0.003	**3.17E-12**	TRANS	100,850	EUR,AFR	Y
0.8216	0.0141	0.0015	**3.67E-20**	TRANS	120,203	EUR,AFR,ASN,	Y
0.8194	-0.0212	0.0032	**4.90E-11**	TRANS	96,689	EUR	Y
0.0235	-0.0811	0.0197	**3.74E-05**	AFR	16,714	TRANS	Y
0.3189	-0.0076	0.0013	**5.52E-09**	TRANS	122,700	EUR,ASN,HISP	Y
0.0965	3.2327	1.3521	0.0168	HISP	6,202		N
0.6541	0.0074	0.0026	0.004846	TRANS	96,071	EUR,AFR	N
0.5956	0.0061	0.0027	0.02413	EUR	71,316		N
0.1112	0.9278	0.2888	0.001313	EUR	76,368	TRANS	N

Supplementary Table 18: Description of Novel Associated Variants

No	rsID	Alleles	Strand	Hugo Name	Role	Chr	Bld 38 Pos
1	rs7529792	C/T	+	*EYA3*	intron-variant	1	27979739
2	rs11247731	C/T	+	*EYA3*	intron-variant	1	27983211
3	rs12139137	C/T	+	*EYA3*	intron-variant	1	27987095
4	rs11247734	C/T	+	*EYA3*	intron-variant	1	27987482
5	rs7549174	A/G	+	*EYA3*	intron-variant	1	27992973
6	rs12140070	A/G	+	*EYA3*	intron-variant	1	28009070
7	rs2815708	A/G	-	*EYA3*	intron-variant	1	28020980
8	rs141903187	A/T	+	*EYA3*	intron-variant	1	28033666
9	rs150628667	A/T	+	*EYA3*	intron-variant	1	28033669
10	rs546355	A/G	-	*EYA3*	intron-variant	1	28037645
11	rs11247742	C/T	+	*EYA3*	intron-variant	1	28052619
12	rs6661800	A/G	+	*EYA3*	intron-variant	1	28053576
13	rs72658347	C/G	+	*EYA3*	intron-variant	1	28062799
14	rs11247746	A/G	+	*EYA3*	intron-variant	1	28063483
15	rs12144063	G/T	+	*EYA3*	intron-variant	1	28079536
16	rs12144104	A/G	+	*EYA3*	intron-variant	1	28079662
17	rs12740061	C/T	+			1	68942127
18	rs140602625	C/T	+	*EXOC6B*	intron-variant	2	72622196
19	rs74378944	C/T	+			2	84194747
20	rs114138886	C/T	+			2	84200900
21	rs149776574	C/G/T	+	*REEP1*	intron-variant	2	86245332
22	rs10937241	A/C/G	+	*ETV5*	intron-variant	3	186104985
23	rs34311866	A/G	-	*TMEM175*	missense	4	958159
24	rs4690220	A/G	+	*IDUA*	upstream-variant-2KB	4	986676
25	rs143396479	A/G	+	*LOC105374426*	intron-variant	4	41909349
26	rs148187465	C/T	+	*MARCH1*	intron-variant	4	163718542
27	rs138102395	A/G	+	*MARCH1*	intron-variant	4	163772497
28	rs73281659	A/T	+	*G3BP1*	intron-variant	5	151794292
29	rs73281660	A/G	+	*G3BP1*	intron-variant	5	151795744
30	rs201693795	-/T	+	*G3BP1*	intron-variant	5	151796563
31	rs76687692	A/G	+	*G3BP1*	utr-variant-3-prime	5	151809722
32	rs73281690	A/G	+	*GLRA1*	intron-variant	5	151828401
33	rs111558291	C/T	+	*GLRA1*	intron-variant	5	151858895
34	rs73339842	A/G	+			5	165540401
35	rs149724001	-/TCCCAGC	+			5	165545095
36	rs115580718	A/G	+	*BMP6*	intron-variant	6	7879804
37	rs17150980	C/T	+	*MAGI2*	intron-variant	7	78544417
38	rs2109767	C/T	+			7	121856207
39	rs74755112	C/G	+			7	121859315
40	rs77810251	A/G	+			7	121864095
41	rs6966138	A/G	+			7	121865783
42	rs6965735	A/G	+			7	121865793
43	rs138601001	A/C	+			7	121867381
44	rs3757551	C/T	-			7	121871034
45	rs740965	A/C	-	*PTPRZ1*	missense	7	121873507
46	rs75052642	A/G	+	*PTPRZ1*	intron-variant	7	121873945

47	rs28421417	C/T	+			7	137867513
48	rs74299062	A/G	+			7	137868671
49	rs57402658	A/G	+			7	137869352
50	rs137961339	-/ATATA	+			7	137870098
51	rs10275839	C/T	+			7	137870355
52	rs10229720	C/T	+			7	137873655
53	rs6972144	A/G	+			7	137873823
54	rs73729083	C/T	+	*CREB3L2*	utr-variant-3-prime	7	137875053
55	rs57979055	A/G	+	*CREB3L2*	utr-variant-3-prime	7	137875574
56	rs73729085	A/G	+	*CREB3L2*	utr-variant-3-prime	7	137877115
57	rs73729087	C/T	+	*CREB3L2*	utr-variant-3-prime	7	137877922
58	rs3735018	C/G	+	*CREB3L2*	utr-variant-3-prime	7	137877998
59	rs148937028	-/A	+	*CREB3L2*	utr-variant-3-prime	7	137879334
60	rs73729089	C/T	+	*CREB3L2*	intron-variant	7	137882097
61	rs55868765	C/T	+	*CREB3L2*	intron-variant	7	137882340
62	rs73453125	A/G	+	*CNTNAP2*	intron-variant	7	146387481
63	rs56167574	A/G	+			7	151548889
64	rs10101067	C/G	+	*EYA1*	intron-variant	8	71495139
65	rs116592443	A/G	+			10	30595961
66	rs115628664	A/G	+			10	71140123
67	rs77581804	C/T	+			10	71180564
68	rs79950627	A/G	+			11	2212560
69	rs183911507	C/G	+			11	44956815
70	rs4758675	C/G/T	-	*B3GNT4*	reference	12	122207191
71	rs199771018	-/C	+			13	38933702
72	rs148607412	A/G	+			13	38935627
73	rs4349029	A/G	+			13	38938397
74	rs190976513	A/T	+			13	70540075
75	rs182600360	A/T	+	*LOC105370531*	intron-variant	14	63140402
76	rs62064821	C/T	+	*CCT6B*	intron-variant	17	34953885
77	rs60029395	A/G	+			19	22263946
78	rs7364132	A/G	+	*DGCR8*	intron-variant	22	20108649

Bld 37 Pos	Distance Nearest Gene	New Hugo Name
28306250	0	*EYA3*
28309722	0	*EYA3*
28313606	0	*EYA3*
28313993	0	*EYA3*
28319484	0	*EYA3*
28335581	0	*EYA3*
28347491	0	*EYA3*
28360177	0	*EYA3*
28360180	0	*EYA3*
28364156	0	*EYA3*
28379130	0	*EYA3*
28380087	0	*EYA3*
28389310	0	*EYA3*
28389994	0	*EYA3*
28406047	0	*EYA3*
28406173	0	*EYA3*
69407810	35557	(*LOC105378783*)_beyond
72849325	0	*EXOC6B*
84421871	-93944	(*FUNDC2P2*)_beyond
84428024	-87791	(*FUNDC2P2*)_beyond
86472455	0	*REEP1*
185822774	0	*ETV5*
951947	0	*TMEM175*
980464	0	*IDUA*
41911366	0	*LOC105374426*
164639694	0	*MARCH1*
164693649	0	*MARCH1*
151173853	0	*G3BP1*
151175305	0	*G3BP1*
151176123	0	*G3BP1*
151189283	0	*G3BP1*
151207962	0	*GLRA1*
151238456	0	*GLRA1*
164967406	295045	(*LOC105377701*)_beyond
164972099	-296162	(*LOC105377704*)_beyond
7880037	0	*BMP6*
78173734	0	*MAGI2*
121496261	-14898	(*PTPRZ1*)_beyond
121499369	-11790	(*PTPRZ1*)_beyond
121504149	-7010	*(PTPRZ1*)_beyond
121505837	-5322	(*PTPRZ1*)_beyond
121505847	-5312	(*PTPRZ1*)_beyond
121507435	-3724	(*PTPRZ1*)
121511088	-71	(*PTPRZ1*)
121513561	0	*PTPRZ1*
121513999	0	*PTPRZ1*

137552259	-6998	(*CREB3L2*)_beyond
137553417	-5840	(*CREB3L2*)_beyond
137554098	-5159	(*CREB3L2*)_beyond
137554843	-4413	(*CREB3L2*)
137555101	-4156	(*CREB3L2*)
137558401	-856	(*CREB3L2*)
137558569	-688	(*CREB3L2*)
137559799	0	*CREB3L2*
137560320	0	*CREB3L2*
137561861	0	*CREB3L2*
137562668	0	*CREB3L2*
137562744	0	*CREB3L2*
137564079	0	*CREB3L2*
137566843	0	*CREB3L2*
137567086	0	*CREB3L2*
146084573	0	*CNTNAP2*
151245975	-6727	(*PRKAG2*)_beyond
72407374	0	*EYA1*
30884890	5443	(*LOC105376479*)_beyond
72899880	-70440	(*UNC5B*)_beyond
72940321	-29999	(*UNC5B*)_beyond
2233790	38429	(*TH*)_beyond
44978366	3537	(*TP53I11*)
122691738	0	*B3GNT4*
39507838	-31730	(*STOML3*)_beyond
39509764	-29805	(*STOML3*)_beyond
39512534	-27035	(*STOML3*)_beyond
71114207	-223710	(*LOC105370255*)_beyond
63607120	0	*LOC105370531*
33280904	0	*CCT6B*
22446748	13936	(*ZNF676*)_beyond
20096172	0	*DGCR8*

Supplementary Table 19: Look-up of Associated Variants in Cardiogram Coronary Artery Disease an Myocardial Infarction Data

Results drawn from logistic regression of genotype (coded additively) on coronary artery disease as pr described [1] .

					CARDIOGRAM.CAD			CARDIOGRAM.MI		
rsID	CHR	BP	A1	A2	EAF	BETA	PVAL	EAF	BETA	PVAL
rs7529792	1	28306250	C	T	0.674127	0.002211	0.820905	0.683373	0.006679	0.53804
rs11247731	1	28309722	C	T	0.674258	0.002534	0.795175	0.683496	0.006824	0.52913
rs12139137	1	28313606	C	T	0.679475	0.003194	0.743921	0.688295	0.00736	0.4979
rs11247734	1	28313993	C	T	0.679463	0.003336	0.732933	0.688269	0.007415	0.494653
rs7549174	1	28319484	A	G	0.677549	0.002431	0.803412	0.686472	0.007238	0.508218
rs12140070	1	28335581	A	G	0.677912	0.002754	0.778105	0.686913	0.00704	0.516451
rs2815708	1	28347491	C	T	0.676998	0.00321	0.742546	0.68556	0.008066	0.457444
rs141903187	1	28360177	A	T	0.722751	0.00186	0.863314	0.734284	0.005641	0.638521
rs150628667	1	28360180	A	T	0.723897	0.003302	0.763396	0.73674	0.007644	0.530793
rs546355	1	28364156	T	C	0.675426	0.002513	0.797518	0.684222	0.007549	0.487717
rs11247742	1	28379130	C	T	0.679	0.002519	0.797419	0.688245	0.006614	0.543948
rs6661800	1	28380087	G	A	0.679091	0.002493	0.799509	0.688296	0.006554	0.547614
rs72658347	1	28389310	C	G	0.679294	0.00273	0.781268	0.688169	0.006752	0.536212
rs11247746	1	28389994	G	A	0.67966	0.003344	0.73374	0.68852	0.00719	0.509992
rs12144063	1	28406047	G	T	0.677685	0.003407	0.73055	0.686918	0.007243	0.509246
rs12144104	1	28406173	G	A	0.677731	0.003416	0.729894	0.68697	0.007169	0.513634
rs12740061	1	69407810	C	T	0.785204	-0.00269	0.826113	0.79256	-0.00669	0.618939
rs149776574	2	86472455	C	G	0.943704	0.010763	0.655023	0.946497	0.004394	0.863276
rs10937241	3	185822774	G	A	0.782449	0.004434	0.702821	0.750328	0.001654	0.898495
rs34311866	4	951947	T	C	0.823316	-0.01715	0.182759	0.829759	-0.01116	0.431736
rs4690220	4	980464	A	G	0.548634	0.001935	0.849811	0.562615	-0.00311	0.785603
rs17150980	7	78173734	T	C	0.947924	-0.02897	0.249918	0.950293	-0.02733	0.375807
rs2109767	7	121496261	T	C	0.835547	0.009121	0.457606	0.838678	-0.00338	0.806232
rs74755112	7	121499369	G	C	0.836012	0.009204	0.453643	0.839194	-0.00386	0.779868
rs77810251	7	121504149	G	A	0.835567	0.011583	0.345103	0.83867	-0.00143	0.917312
rs6966138	7	121505837	G	A	0.838094	0.012276	0.319576	0.841224	-0.00076	0.956416
rs6965735	7	121505847	A	G	0.838285	0.016844	0.172524	0.840834	0.003205	0.818495
rs138601001	7	121507435	C	A	0.838149	0.011907	0.334339	0.841325	-0.00115	0.934082
rs3757551	7	121511088	G	A	0.838237	0.011221	0.363186	0.84142	-0.00162	0.906823
rs740965	7	121513561	T	G	0.838171	0.010535	0.393302	0.841375	-0.00233	0.866749
rs75052642	7	121513999	G	A	0.838306	0.01067	0.387268	0.841522	-0.0023	0.868018
rs10101067	8	72407374	G	C	0.92464	-0.0362	0.034075	0.931389	-0.02438	0.194941
rs62064821	17	33280904	C	T	0.942051	-0.03149	0.138075	0.941659	-0.00144	0.95156

[1.] *Nikpay, M. et al. A comprehensive 1,000 Genomes-based genome-wide association meta-analysis of coronar*

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y artery disease. Nat Genet 47, 1121-1130 (2015).

Supplementary Table 20: Look-up of Associated Variants in CHARGE Neurological Data

Results are drawn from logistic regression models of genotype (coded additively) on stroke outcomes.

					ALL STROKE				
rsID	CHR	BP	A1	A2	EAF	BETA	SE	P-VALUE	N
rs7529792	1	28306250	t	c	0.3164	0.0311	0.0235	0.1864	84,961
rs11247731	1	28309722	t	c	0.3162	0.0318	0.0235	0.1769	84,961
rs12139137	1	28313606	t	c	0.3086	0.0435	0.024	0.06968	83,300
rs11247734	1	28313993	t	c	0.3088	0.0381	0.0236	0.1066	84,961
rs7549174	1	28319484	a	g	0.6883	-0.0376	0.0237	0.1126	82,597
rs12140070	1	28335581	a	g	0.6888	-0.0477	0.024	0.04633	83,300
rs2815708	1	28347491	t	c	0.311	0.0422	0.0236	0.07329	84,961
rs141903187	1	28360177	a	t	0.7303	-0.0316	0.0268	0.238	83,300
rs150628667	1	28360180	a	t	0.7313	-0.0375	0.0272	0.1683	83,300
rs546355	1	28364156	t	c	0.6876	-0.0422	0.0236	0.0738	84,961
rs11247742	1	28379130	t	c	0.3091	0.0438	0.0241	0.06898	83,300
rs6661800	1	28380087	a	g	0.309	0.0437	0.0241	0.06951	83,300
rs72658347	1	28389310	c	g	0.6913	-0.0445	0.0242	0.06534	83,300
rs11247746	1	28389994	a	g	0.3083	0.0449	0.0242	0.06341	83,300
rs12144063	1	28406047	t	g	0.3111	0.0499	0.0243	0.04006	83,300
rs12144104	1	28406173	a	g	0.3111	0.0504	0.0243	0.03815	83,300
rs12740061	1	69407810	t	c	0.2485	-0.0039	0.0268	0.8851	79,759
rs149776574	2	86472455	c	g	0.939	-0.0464	0.0604	0.4422	58,957
rs10937241	3	185822774	a	g	0.1703	0.0052	0.0311	0.8679	83,300
rs34311866	4	951947	t	c	0.8321	0.0459	0.0326	0.1596	83,300
rs4690220	4	980464	a	g	0.5418	0.006	0.0239	0.8036	83,300
rs2109767	7	121496261	t	c	0.8555	-0.0071	0.0316	0.8214	84,961
rs74755112	7	121499369	c	g	0.1443	0.015	0.0321	0.6395	83,300
rs77810251	7	121504149	a	g	0.1449	0.0135	0.0321	0.6747	83,300
rs6966138	7	121505837	a	g	0.1444	0.0074	0.0317	0.8147	84,961
rs6965735	7	121505847	a	g	0.8558	-0.0036	0.0319	0.9104	82,597
rs138601001	7	121507435	a	c	0.1443	0.0154	0.0321	0.6319	83,300
rs3757551	7	121511088	a	g	0.1443	0.0156	0.0321	0.6282	83,300
rs740965	7	121513561	t	g	0.8557	-0.008	0.0317	0.7993	84,961
rs75052642	7	121513999	a	g	0.1442	0.0158	0.0321	0.6235	83,300
rs10101067	8	72407374	c	g	0.0714	0.0827	0.0437	0.05863	72,396
rs62064821	17	33280904	t	c	0.069	-0.0776	0.0483	0.1085	77,824

ISCHEMIC STROKE					CARD	
EAF	BETA	SE	P-VALUE	N	EAF	BETA
0.3163	0.0328	0.0284	0.2469	78,582	0.3164	0.0152
0.3162	0.0339	0.0284	0.2319	78,582	0.3165	0.0191
0.3087	0.0469	0.0284	0.09858	78,582	0.3082	0.0255
0.3087	0.0469	0.0284	0.09855	78,582	0.3082	0.0255
0.6886	-0.0509	0.0286	0.07451	76,224	0.6888	-0.0283
0.6888	-0.0558	0.0283	0.04873	78,582	0.6891	-0.0285
0.3108	0.0552	0.0284	0.0514	78,582	0.3103	0.0273
0.731	-0.0309	0.0318	0.3316	78,582	0.7308	-0.0321
0.7318	-0.035	0.0323	0.2791	78,582	0.7322	-0.0534
0.6878	-0.0558	0.0284	0.04963	78,582	0.6882	-0.0285
0.3092	0.0473	0.0285	0.0969	78,582	0.3087	0.0272
0.3092	0.0473	0.0285	0.097	78,582	0.3086	0.0273
0.6911	-0.0488	0.0286	0.08806	78,582	0.6914	-0.0303
0.3085	0.0492	0.0286	0.08544	78,582	0.3082	0.0307
0.3112	0.0596	0.0287	0.03797	78,582	0.3111	0.0352
0.3111	0.0604	0.0287	0.03545	78,582	0.3111	0.0351
0.2458	-0.0159	0.0325	0.6241	78,582	0.252	0.027
0.9399	-0.0612	0.0731	0.4023	52,092		
0.1713	-0.0011	0.0368	0.9753	78,582	0.1702	0.019
0.8325	0.0171	0.0386	0.6578	78,582	0.8404	-0.0561
0.5405	0.0218	0.0284	0.4427	78,582	0.5452	-0.0615
0.8545	-0.0041	0.0382	0.9155	76,695	0.8515	0.0715
0.1454	0.0048	0.0382	0.8997	76,695	0.1483	-0.0702
0.1459	0.0038	0.0382	0.921	76,695	0.1488	-0.0747
0.1453	0.004	0.0383	0.9166	76,695	0.1483	-0.0786
0.8549	0.0029	0.0387	0.9406	74,337	0.8517	0.0789
0.1453	0.0053	0.0383	0.8902	76,695	0.1483	-0.0771
0.1452	0.0053	0.0383	0.8889	76,695	0.1482	-0.0783
0.8547	-0.0048	0.0383	0.9	76,695	0.8517	0.0798
0.1452	0.0055	0.0383	0.8859	76,695	0.1481	-0.0794
0.0702	0.1109	0.0532	0.03713	63,870		
0.0688	-0.0059	0.0562	0.9159	69,072		

IOEMBOLIC STROKE				NON-CARDIOEMBOLIC STROKE		
SE	P-VALUE	N	EAF	BETA	SE	P-VALUE
0.0582	0.7944	52,917	0.3146	0.067	0.036	0.06285
0.0582	0.743	52,917	0.3146	0.0674	0.036	0.0614
0.0584	0.6625	52,917	0.3067	0.085	0.0361	0.01848
0.0584	0.6627	52,917	0.3067	0.085	0.0361	0.01846
0.0583	0.6278	52,917	0.6906	-0.087	0.0364	0.01691
0.0583	0.6243	52,917	0.6907	-0.096	0.036	0.007668
0.0583	0.6394	52,917	0.3089	0.0941	0.0361	0.009068
0.0716	0.6535	50,837	0.7308	-0.0616	0.0404	0.1278
0.0727	0.4624	50,837	0.7321	-0.0587	0.0413	0.1547
0.0584	0.6261	52,917	0.6897	-0.0968	0.0361	0.007358
0.0585	0.6415	52,917	0.3073	0.0854	0.0362	0.01838
0.0585	0.6407	52,917	0.3073	0.0854	0.0362	0.01849
0.0586	0.6046	52,917	0.693	-0.0869	0.0363	0.01676
0.0586	0.6003	52,917	0.3066	0.0875	0.0363	0.01609
0.0589	0.5501	52,917	0.3094	0.1005	0.0365	0.005965
0.0589	0.5513	52,917	0.3094	0.1018	0.0365	0.005331
0.0736	0.7139	46,468	0.2509	-0.0022	0.0407	0.9577
0.0835	0.8196	50,837	0.1689	-0.024	0.0479	0.6163
0.089	0.5285	47,075	0.8384	0.0496	0.0505	0.3257
0.0592	0.2988	50,701	0.5454	0.0003	0.0367	0.993
0.0891	0.4224	47,075	0.8531	-0.0115	0.0478	0.81
0.0891	0.4311	47,075	0.1468	0.0121	0.0478	0.8009
0.0892	0.4023	47,075	0.1474	0.0118	0.0478	0.8054
0.0895	0.3799	47,075	0.1468	0.0134	0.0478	0.7791
0.0895	0.378	47,075	0.8533	-0.0019	0.0485	0.9688
0.0894	0.3883	47,075	0.1469	0.0142	0.0478	0.7669
0.0895	0.3814	47,075	0.1468	0.0142	0.0478	0.7658
0.0895	0.3728	47,075	0.8532	-0.0137	0.0478	0.7737
0.0896	0.3756	47,075	0.1467	0.0145	0.0478	0.7612
			0.071	0.1117	0.0657	0.08888
			0.0631	0.0358	0.0741	0.6296

	INTRA-CEREBRAL HEMORRHAGIC STROKE				
N	EAF	BETA	SE	P-VALUE	N
57,420	0.3125	0.2269	0.0897	0.0114	40,760
57,420	0.3124	0.2261	0.0896	0.01165	40,760
57,420	0.3041	0.2334	0.09	0.009491	40,760
57,420	0.3041	0.2334	0.09	0.0095	40,760
55,070	0.693	-0.2187	0.09	0.01506	40,760
57,420	0.6933	-0.2196	0.09	0.01471	40,760
57,420	0.3064	0.2216	0.0901	0.01388	40,760
57,420	0.7335	-0.2045	0.1017	0.04437	40,760
57,420	0.734	-0.2235	0.1038	0.03127	40,760
57,420	0.6918	-0.2208	0.0904	0.0146	40,760
57,420	0.3047	0.2324	0.0905	0.01026	40,760
57,420	0.3046	0.2322	0.0906	0.01037	40,760
57,420	0.6955	-0.2306	0.0911	0.01132	40,760
57,420	0.3039	0.2311	0.0911	0.01115	40,760
57,420	0.3071	0.2173	0.0924	0.01868	40,760
57,420	0.307	0.2172	0.0924	0.01872	40,760
57,420	0.2529	0.0886	0.1074	0.4097	36,391
57,420	0.1685	0.181	0.1245	0.146	36,998
57,420	0.8346	0.1274	0.1525	0.4037	32,629
53,051	0.5517	-0.1095	0.0949	0.2487	38,471
57,420	0.8515	0.0312	0.1435	0.8279	32,629
57,420	0.1483	-0.029	0.1436	0.8396	32,629
57,420	0.1491	-0.0174	0.143	0.9034	32,629
57,420	0.1485	-0.0126	0.1431	0.9299	32,629
55,070	0.8515	0.0123	0.1431	0.9317	32,629
57,420	0.1485	-0.0121	0.143	0.9323	32,629
57,420	0.1484	-0.0106	0.143	0.941	32,629
57,420	0.8516	0.01	0.143	0.9442	32,629
57,420	0.1483	-0.0099	0.143	0.9445	32,629
52,917					
50,837					

Supplementary Table 21: Look-up of Associated Variants in GIANT Anthropometry Data

Results drawn from linear regression models of genotype (coded additively) and anthropometr

					STAGE1.AA.BMI					
rsID	CHR	BP	A1	A2	FREQ1	BETA	SE	PVAL	N	FREQ1
rs7529792	1	28306250	t	c	0.3537	0.0016	0.008	0.8414	32268	0.333
rs11247731	1	28309722	t	c	0.3537	0.0017	0.008	0.8316	32268	0.333
rs11247734	1	28313993	t	c	0.3537	0.0017	0.008	0.8316	32268	0.333
rs7549174	1	28319484	a	g	0.3516	-0.0022	0.008	0.7832	32268	0.658
rs12140070	1	28335581	a	g	0.3476	-0.0165	0.0138	0.2301	32268	
rs2815708	1	28347491	t	c	0.3841	0.005	0.0079	0.5261	32268	0.336
rs546355	1	28364156	t	c	0.3841	-0.0054	0.0079	0.4936	32268	0.658
rs12144104	1	28406173	a	g	0.3516	0.0172	0.0138	0.211	32268	
rs12740061	1	69407810	t	c	0.0122	-0.0074	0.0209	0.7232	32268	0.2
rs4690220	4	980464	a	g	0.4512	-0.0977	0.0591	0.09802	32268	
rs2109767	7	121496261	t	c	0.02846	0.0143	0.0192	0.4561	32268	0.842
rs6966138	7	121505837	a	g	0.02439	-0.0224	0.0199	0.2611	32268	0.147
rs6965735	7	121505847	a	g	0.02236	0.0178	0.0199	0.3718	32268	0.837
rs740965	7	121513561	t	g	0.02236	0.0212	0.0199	0.2875	32268	0.9
rs10229720	7	137558401	t	c	0.1138	0.0279	0.0159	0.07897	32268	
rs3735018	7	137562744	c	g	0.09146	0.0022	0.0149	0.8828	32268	
rs10101067	8	72407374	c	g	0.04268	0.0155	0.0203	0.4441	32268	0.026
rs4349029	13	39512534	a	g	0.02236	-0.0042	0.0628	0.9467	32268	

[1.] *Wood, A.R. et al. Defining the role of common variation in the genomic and biological architecture of*

[2.] *Locke, A.E. et al. Genetic studies of body mass index yield new insights for obesity biology. Nature* ***51***

[3.] *Shungin, D. et al. New genetic loci link adipose and insulin biology to body fat distribution. Nature* ***51***

y outcomes, as previously described [1-3] .

GIANT.EA.HEIGHT				GIANT.EA.BMI					GIANT.Trans-Anc		
BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE
-0.0073	0.0031	0.02	250765	0.3333	-0.0006	0.004	0.8808	232598	0.3333	-0.0008	0.0039
-0.0075	0.0032	0.018	250794	0.3333	-0.0002	0.004	0.9601	232619	0.3333	-0.0005	0.0039
-0.0075	0.0031	0.018	253155	0.3333	0	0.004	1	234019	0.3333	-0.0003	0.0039
0.0069	0.0031	0.028	250849	0.3417	-0.0002	0.004	0.9601	232611	0.3417	-0.0004	0.0039
-0.0073	0.0032	0.021	251782	0.3362	0	0.0041	1	232608	0.3362	-0.0002	0.0039
0.0062	0.0032	0.052	251764	0.3417	-0.0007	0.0041	0.8644	232601	0.3417	-0.001	0.004
-0.0012	0.0039	0.75	231468	0.2	0.0033	0.0048	0.4918	219412	0.2	0.0034	0.0047
0.0019	0.0042	0.65	252940	0.1583	-0.0128	0.0054	0.01777	233830	0.1583	-0.0118	0.0052
-0.0021	0.0042	0.61	253160	0.1583	-0.013	0.0054	0.01607	233968	0.1583	-0.0121	0.0053
0.002	0.0042	0.63	253191	0.1583	-0.0139	0.0053	0.008725	233965	0.1583	-0.013	0.0052
0.0053	0.0046	0.24	245066	0.1583	-0.0145	0.0058	0.01242	225846	0.1583	-0.0133	0.0057
-0.0057	0.0058	0.32	252899	0.0417	-0.0118	0.0074	0.1108	233677	0.0417	-0.0116	0.0072

adult human height. Nature genetics ***46****, 1173-1186 (2014).*

8*, 197 (2015).*

8*, 187 (2015).*

estry.BMI		GIANT.Trans-Ancestry.MEN.BMI					GIANT.Trans-Ancestry.WOMEN.E			
PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL
0.8375	234760	0.3333	-0.0021	0.0054	0.6974	104061	0.3333	0.0002	0.005	0.9681
0.898	234781	0.3333	-0.0012	0.0054	0.8241	104077	0.3333	0.0003	0.005	0.9522
0.9387	236181	0.3333	-0.0011	0.0054	0.8386	104618	0.3333	0.0004	0.005	0.9362
0.9183	234773	0.3417	-0.0013	0.0054	0.8098	104073	0.3417	0.0003	0.005	0.9522
0.9591	234770	0.3362	-0.0006	0.0054	0.9115	104071	0.3362	0.0002	0.0051	0.9687
0.8026	234763	0.3417	-0.0013	0.0054	0.8098	104068	0.3417	-0.0006	0.0051	0.9063
0.4694	221574	0.2	0.0051	0.0067	0.4465	98122.9	0.2	0.0019	0.006	0.7515
0.02325	235992	0.1583	-0.0185	0.0072	0.01019	104535	0.1583	-0.0082	0.0067	0.221
0.02243	236130	0.1583	-0.0193	0.0072	0.00735	104591	0.1583	-0.0079	0.0067	0.2384
0.01242	236127	0.1583	-0.0177	0.0072	0.01396	104590	0.1583	-0.0108	0.0066	0.1018
0.01963	228008	0.1583	-0.0209	0.008	0.008988	101111	0.1583	-0.0095	0.0072	0.187
0.1072	235839	0.0417	-0.0147	0.01	0.1416	104488	0.0417	-0.0098	0.0092	0.2868

3MI	GIANT.EA.WHR.AdjBMI					GIANT.EA.MEN.WHR.AdjBMI					G
N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1
131245	0.3333	0.0038	0.0045	0.4	141326	0.3333	0.011	0.0069	0.11	55994	0.3333
131253	0.3333	0.0037	0.0045	0.41	141340	0.3333	0.01	0.0069	0.13	56004	0.3333
132112	0.3333	0.004	0.0045	0.37	142737	0.3333	0.011	0.0068	0.11	56543	0.3333
131249	0.3417	0.0035	0.0045	0.44	141340	0.3417	0.01	0.0069	0.13	56003	0.3417
131247	0.3362	0.0037	0.0045	0.41	141321	0.3362	0.01	0.0069	0.13	55991	0.3362
131244	0.3417	0.0019	0.0046	0.68	141320	0.3417	0.0092	0.007	0.19	55992	0.3417
123996	0.2	0.001	0.0056	0.86	127275						0.2
131981	0.1583	-0.0062	0.0061	0.31	142653	0.1583	-0.0031	0.0094	0.74	56503	0.1583
132088	0.1583	-0.0061	0.0061	0.32	142724	0.1583	-0.0026	0.0094	0.78	56533	0.1583
132086	0.1583	-0.0075	0.006	0.21	142722	0.1583	-0.0054	0.0092	0.56	56533	0.1583
127446	0.1583	-0.0053	0.0067	0.43	134217	0.1583	0.0003	0.01	0.98	52872	0.1583
131900	0.0417	0.029	0.0085	0.00065	142708	0.0417	0.0034	0.013	0.8	56522	0.0417

IANT.EA.WOMEN.WHR.AdjBMI				GIANT.Trans-Ancestry.WHR.AdjBMI					GIANT.Trans-Ancestry.MEI		
BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE
-0.0015	0.0056	0.79	85466	0.3333	0.0038	0.0045	0.4	141326	0.3333	0.011	0.0069
-0.0014	0.0056	0.8	85471	0.3333	0.0037	0.0045	0.41	141340	0.3333	0.01	0.0069
-0.0012	0.0056	0.83	86329	0.3333	0.004	0.0045	0.37	142737	0.3333	0.011	0.0068
-0.0017	0.0056	0.76	85472	0.3417	0.0035	0.0045	0.44	141340	0.3417	0.01	0.0069
-0.0013	0.0056	0.82	85465	0.3362	0.0037	0.0045	0.41	141321	0.3362	0.01	0.0069
-0.0034	0.0057	0.55	85463	0.3417	0.0019	0.0046	0.68	141320	0.3417	0.0092	0.007
0.0049	0.0068	0.47	77852	0.2	0.001	0.0056	0.86	127275			
-0.0073	0.0076	0.34	86283	0.1583	-0.0062	0.0061	0.31	142653	0.1583	-0.0031	0.0094
-0.0074	0.0076	0.33	86325	0.1583	-0.0061	0.0061	0.32	142724	0.1583	-0.0026	0.0094
-0.0078	0.0075	0.3	86323	0.1583	-0.0075	0.006	0.21	142722	0.1583	-0.0054	0.0092
-0.0078	0.0082	0.34	81480	0.1583	-0.0053	0.0067	0.43	134217	0.1583	0.0003	0.01
0.045	0.01	0.000022	86322	0.0417	0.029	0.0085	0.00065	142708	0.0417	0.0034	0.013

N.WHR.AdjBMI		GIANT.Trans-Ancestry.WOMEN.WHR.AdjBMI					GIANT.EA.WC.AdjBMI				
PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL	N
0.11	55994	0.3333	-0.0015	0.0056	0.79	85466	0.3333	-0.0013	0.0045	0.77	151187
0.13	56004	0.3333	-0.0014	0.0056	0.8	85471	0.3333	-0.0012	0.0045	0.79	152060
0.11	56543	0.3333	-0.0012	0.0056	0.83	86329	0.3333	-0.0011	0.0045	0.81	152062
0.13	56003	0.3417	-0.0017	0.0056	0.76	85472	0.3417	-0.0011	0.0045	0.81	152059
0.13	55991	0.3362	-0.0013	0.0056	0.82	85465	0.3362	-0.0018	0.0045	0.69	151183
0.19	55992	0.3417	-0.0034	0.0057	0.55	85463	0.3417	-0.0025	0.0046	0.59	152039
		0.2	0.0049	0.0068	0.47	77852	0.2	-0.0038	0.0056	0.5	136347
0.74	56503	0.1583	-0.0073	0.0076	0.34	86283	0.1583	-0.0092	0.0061	0.13	152516
0.78	56533	0.1583	-0.0074	0.0076	0.33	86325	0.1583	-0.0096	0.0061	0.12	153443
0.56	56533	0.1583	-0.0078	0.0075	0.3	86323	0.1583	-0.0084	0.0061	0.17	152048
0.98	52872	0.1583	-0.0078	0.0082	0.34	81480	0.1583	-0.011	0.0066	0.11	143541
0.8	56522	0.0417	0.045	0.01	0.000022	86322	0.0417	0.017	0.0084	0.047	153428

GIANT.EA.MEN.WC.AdjBMI					GIANT.EA.WOMEN.WC.AdjBMI					GIANT.Trans-	
FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA
0.3333	0.006	0.0067	0.37	60536	0.3333	-0.0059	0.0056	0.29	90844	0.3333	-0.0013
0.3333	0.0059	0.0067	0.38	60961	0.3333	-0.0056	0.0056	0.32	91291	0.3333	-0.0012
0.3333	0.0059	0.0067	0.38	60962	0.3333	-0.0056	0.0056	0.32	91292	0.3333	-0.0011
0.3417	0.0058	0.0067	0.39	60960	0.3417	-0.0054	0.0056	0.33	91292	0.3417	-0.0011
0.3362	0.0051	0.0068	0.45	60533	0.3362	-0.0061	0.0056	0.28	90842	0.3362	-0.0018
0.3417	0.0031	0.007	0.66	60949	0.3417	-0.0057	0.0057	0.32	91283	0.3417	-0.0025
0.2	-0.006	0.0087	0.49	54099	0.2	-0.004	0.0067	0.55	82441	0.2	-0.0038
0.1583	-0.0034	0.0092	0.71	61047	0.1583	-0.013	0.0075	0.072	91659	0.1583	-0.0092
0.1583	-0.0032	0.0092	0.73	61491	0.1583	-0.014	0.0075	0.057	92146	0.1583	-0.0096
0.1583	-0.0002	0.0091	0.98	60953	0.1583	-0.014	0.0074	0.053	91289	0.1583	-0.0084
0.1583	-0.0023	0.01	0.82	57291	0.1583	-0.016	0.008	0.044	86443	0.1583	-0.011
0.0417	-0.012	0.013	0.36	61479	0.0417	0.036	0.01	0.00051	92142	0.0417	0.017

-Ancestry.WC.AdjBMI			GIANT.Trans-Ancestry.MEN.WC.AdjBMI					GIANT.Trans-Ancestry.WOMEN.WC.			
SE	PVAL	N	FREQ1	BETA	SE	PVAL	N	FREQ1	BETA	SE	PVAL
0.0045	0.77	151187	0.3333	0.006	0.0067	0.37	60536	0.3333	-0.0059	0.0056	0.29
0.0045	0.79	152060	0.3333	0.0059	0.0067	0.38	60961	0.3333	-0.0056	0.0056	0.32
0.0045	0.81	152062	0.3333	0.0059	0.0067	0.38	60962	0.3333	-0.0056	0.0056	0.32
0.0045	0.81	152059	0.3417	0.0058	0.0067	0.39	60960	0.3417	-0.0054	0.0056	0.33
0.0045	0.69	151183	0.3362	0.0051	0.0068	0.45	60533	0.3362	-0.0061	0.0056	0.28
0.0046	0.59	152039	0.3417	0.0031	0.007	0.66	60949	0.3417	-0.0057	0.0057	0.32
0.0056	0.5	136347	0.2	-0.006	0.0087	0.49	54099	0.2	-0.004	0.0067	0.55
0.0061	0.13	152516	0.1583	-0.0034	0.0092	0.71	61047	0.1583	-0.013	0.0075	0.072
0.0061	0.12	153443	0.1583	-0.0032	0.0092	0.73	61491	0.1583	-0.014	0.0075	0.057
0.0061	0.17	152048	0.1583	-0.0002	0.0091	0.98	60953	0.1583	-0.014	0.0074	0.053
0.0066	0.11	143541	0.1583	-0.0023	0.01	0.82	57291	0.1583	-0.016	0.008	0.044
0.0084	0.047	153428	0.0417	-0.012	0.013	0.36	61479	0.0417	0.036	0.01	0.00051

AdjBMIN
90844
91291
91292
91292
90842
91283
82441
91659
92146
91289
86443
92142

Supplementary Table 22: Look-up of Associated Variants in GIANT Adiposity and Smoking Data

Results are drawn from linear regression models of genotype (coded additively) on adiposity trait

					GIANT.BMI.CurSmk				
rsID	CHR	BP	A1	A2	EAF	BETA	PVAL	N	EAF
rs7529792	1	28306250	T	C	0.315	0.0041	0.6307	35941.9	0.3172
rs11247731	1	28309722	T	C	0.3138	0.0025	0.7577	38814.1	0.3158
rs12139137	1	28313606	T	C	0.3657	-0.0403	0.2465	1994	0.3363
rs11247734	1	28313993	T	C	0.313	0.0031	0.7117	39040.1	0.315
rs7549174	1	28319484	A	G	0.6848	-0.0033	0.6927	38736.7	0.6826
rs12140070	1	28335581	A	G	0.6656	0.0272	0.336	3273	0.6774
rs2815708	1	28347491	T	C	0.3144	0.0056	0.5125	36171.9	0.3172
rs141903187	1	28360177	A	T	0.7191	0.0204	0.6106	1994	0.7297
rs150628667	1	28360180	A	T	0.7404	-0.0051	0.9018	1994	0.7462
rs546355	1	28364156	T	C	0.6771	-0.0038	0.6475	38812.3	0.6805
rs11247742	1	28379130	T	C	0.3665	-0.0412	0.2389	1994	0.3369
rs6661800	1	28380087	A	G	0.3663	-0.0408	0.2443	1994	0.3367
rs72658347	1	28389310	C	G	0.6307	0.0332	0.3444	1994	0.6608
rs11247746	1	28389994	A	G	0.369	-0.0329	0.35	1994	0.339
rs12144063	1	28406047	T	G	0.3638	-0.0327	0.3575	1994	0.3343
rs12740061	1	69407810	T	C	0.2316	-0.0041	0.7172	31611	0.2251
rs140602625	2	72849325	T	C	0.9822	0.1308	0.5089	905	0.9832
rs74378944	2	84421871	T	C	0.0256	0.0109	0.9402	1380	0.0215
rs114138886	2	84428024	T	C	0.027	0.0534	0.7021	1380	0.0211
rs149776574	2	86472455	C	G	0.9499	-0.0018	0.9851	1994	0.9476
rs10937241	3	185822774	A	G	0.2458	-0.0339	0.4037	1994	0.2508
rs34311866	4	951947	T	C	0.8996	0.0526	0.4356	1994	0.9302
rs143396479	4	41911366	A	G	0.0124	0.363	0.1478	905	0.0132
rs148187465	4	164639694	T	C	0.9767	0.0216	0.9042	905	0.9854
rs138102395	4	164693649	A	G	0.9755	0.0111	0.9505	905	0.9856
rs73281659	5	151173853	A	T					0.0112
rs73281660	5	151175305	A	G					0.0112
rs76687692	5	151189283	A	G					0.0112
rs73281690	5	151207962	A	G					0.9886
rs111558291	5	151238456	T	C					0.0112
rs115580718	6	7880037	A	G					0.9879
rs17150980	7	78173734	T	C	0.9501	-0.0218	0.779	2782	0.9494
rs2109767	7	121496261	T	C	0.8513	-0.0072	0.5431	35816.9	0.8506
rs74755112	7	121499369	C	G	0.1214	-0.0299	0.6119	1994	0.1449
rs77810251	7	121504149	A	G	0.1211	-0.0181	0.7593	1994	0.1448
rs6966138	7	121505837	A	G	0.1498	0.0056	0.6221	38785.4	0.1506
rs6965735	7	121505847	A	G	0.8559	0.001	0.9245	39008.4	0.8502
rs138601001	7	121507435	A	C	0.116	-0.006	0.9205	1994	0.1405
rs3757551	7	121511088	A	G	0.116	-0.006	0.9205	1994	0.1405
rs740965	7	121513561	T	G	0.8541	-0.0014	0.9116	34310.8	0.8532
rs75052642	7	121513999	A	G	0.116	-0.0059	0.9216	1994	0.1405
rs28421417	7	137552259	T	C	0.1097	-0.0279	0.6523	1826	0.1038
rs74299062	7	137553417	A	G	0.11	-0.0275	0.657	1826	0.1043
rs57402658	7	137554098	A	G	0.11	-0.027	0.6628	1826	0.1044
rs10275839	7	137555101	T	C	0.1201	-0.0268	0.6536	1826	0.1163
rs10229720	7	137558401	T	C	0.1163	-0.0308	0.5782	2086	0.1078

rs6972144	7	137558569	A	G	0.8902	0.0254	0.6812	1826	0.8949
rs73729083	7	137559799	T	C	0.9026	-0.0716	0.2717	1826	0.9023
rs57979055	7	137560320	A	G	0.083	0.0389	0.5792	1826	0.0854
rs73729085	7	137561861	A	G	0.9129	-0.0495	0.4709	1826	0.912
rs73729087	7	137562668	T	C	0.9112	-0.0516	0.4503	1826	0.9109
rs3735018	7	137562744	C	G	0.1015	0.0317	0.5259	2867	0.0985
rs73729089	7	137566843	T	C	0.1204	0.0366	0.5633	1826	0.1218
rs55868765	7	137567086	T	C	0.0779	0.0357	0.6344	1826	0.0808
rs73453125	7	146084573	A	G	0.0798	-0.0121	0.8702	1826	0.0751
rs56167574	7	151245975	A	G	0.0985	0.0718	0.2892	1826	0.0886
rs10101067	8	72407374	C	G	0.0799	-0.0158	0.3037	37807.7	0.077
rs116592443	10	30884890	A	G	0.0105	0.2386	0.5636	478	0.0105
rs115628664	10	72899880	A	G	0.9876	-0.0458	0.8792	478	0.9861
rs77581804	10	72940321	T	C	0.0112	-0.0308	0.9222	478	0.0131
rs79950627	11	2233790	A	G	0.0522	-0.0907	0.2939	1826	0.0537
rs183911507	11	44978366	C	G	0.9849	0.1192	0.5695	905	0.9867
rs4758675	12	122691738	A	C	0.9703	-0.0543	0.7245	905	0.9794
rs148607412	13	39509764	A	G	0.9861	-0.3318	0.1442	905	0.9853
rs4349029	13	39512534	A	G	0.986	-0.3367	0.1363	905	0.9852
rs190976513	13	71114207	A	T	0.0179	0.1133	0.414	1826	0.0162
rs182600360	14	63607120	A	T	0.0148	-0.2017	0.4713	478	0.0106
rs62064821	17	33280904	T	C	0.05	-0.2191	0.04734	1512	0.0554
rs60029395	19	22446748	A	G	0.1166	-0.0744	0.2475	1826	0.1049
rs7364132	22	20096172	A	G	0.1283	-0.0131	0.833	1826	0.1282

[1.] *Justice, A.E. et al. Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour ider*

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s either stratified by smoking status (CurSmk, NotCurSmk) or adjusted for smoking status (adjSI

GIANT.BMI.NotCurSmk			GIANT.BMI.adjSMK				GIANT.W	
BETA	PVAL	N	EAF	BETA	PVAL	N	EAF	BETA
0.0041	0.3798	126258	0.3168	0.0038	0.3562	161797	0.3135	-0.0081
0.0044	0.3233	147594	0.3151	0.0035	0.3593	185897	0.3127	-0.0112
-0.007	0.6867	8223	0.3416	-0.0133	0.4039	10217		
0.0043	0.3204	148128	0.3145	0.0036	0.3419	186679	0.3119	-0.0112
-0.0028	0.5129	147487	0.6832	-0.0025	0.5174	185713	0.6856	0.0109
-0.0052	0.7284	11398	0.6758	-2.00E-04	0.9858	14687	0.6931	-0.0022
0.0039	0.4087	126259	0.3164	0.0039	0.3428	161800	0.3113	-0.0069
0.0175	0.3697	8223	0.7281	0.0174	0.3296	10217		
0.0173	0.3869	8223	0.7454	0.0121	0.5126	10217		
-0.0035	0.4343	147590	0.6811	-0.0033	0.4008	185891	0.6786	0.0112
-0.0085	0.6269	8223	0.3422	-0.0146	0.3584	10217		
-0.0083	0.6319	8223	0.342	-0.0144	0.365	10217		
0.0055	0.7518	8223	0.6554	0.0107	0.5033	10217		
-0.0054	0.7553	8223	0.3443	-0.0106	0.5073	10217		
-0.0087	0.6177	8223	0.3395	-0.013	0.4156	10217		
0.0033	0.5923	111806	0.2282	0.0014	0.801	143034	0.2343	-0.0096
-0.0118	0.8873	6374	0.9838	-0.0218	0.7741	8200		
0.0678	0.4111	6374	0.022	0.0437	0.5458	8200		
0.0556	0.4953	6374	0.022	0.0449	0.5276	8200		
-0.0026	0.9529	8223	0.9481	-0.0018	0.9644	10217		
-0.0111	0.566	8223	0.2489	-0.015	0.4007	10217		
-0.0338	0.3891	6374	0.93	-0.0062	0.8619	8200		
-0.02	0.8629	5056	0.0127	0.0555	0.6023	6436		
0.0463	0.6182	6374	0.9844	0.0368	0.6575	8200		
0.0473	0.6107	6374	0.9843	0.0223	0.7884	8200		
0.0178	0.8653	6374	0.0102	0.0351	0.7239	8200		
0.0178	0.8651	6374	0.0102	0.0351	0.7239	8200		
0.0181	0.8625	6374	0.0101	0.035	0.7238	8200		
-0.038	0.7111	6374	0.9897	-0.0512	0.5993	8200		
0.0422	0.6833	6374	0.01	0.0524	0.594	8200		
0.0425	0.7087	6374	0.9891	0.0595	0.5835	8200		
0.044	0.1483	18133	0.95	0.0349	0.2312	22475	0.9448	0.1113
0.0049	0.4415	125765	0.8528	0.0018	0.7542	161247	0.8492	-0.0103
-0.0086	0.7352	8223	0.1413	-0.0116	0.629	10217		
-0.0075	0.7681	8223	0.1412	-0.0087	0.7174	10217		
-0.0082	0.1687	147481	0.1484	-0.0048	0.3668	185866	0.1522	0.0079
0.0082	0.1615	148010	0.8522	0.0061	0.2419	186638	0.855	-0.0046
-0.0088	0.736	8223	0.1368	-0.0077	0.7515	10217		
-0.0092	0.7223	8223	0.1368	-0.0081	0.7385	10217		
0.0048	0.4736	124151	0.8565	0.0031	0.6045	155582	0.8517	-0.0114
-0.0095	0.7135	8223	0.1367	-0.0084	0.7301	10217		
-0.0499	0.1314	7310	0.1046	-0.0443	0.1403	9249		
-0.0526	0.1111	7310	0.105	-0.0463	0.1222	9249		
-0.0546	0.09786	7310	0.1051	-0.0477	0.1107	9249		
-0.0568	0.07668	7310	0.1165	-0.0494	0.08836	9249		
-0.0675	0.01977	13323	0.1089	-0.0593	0.02456	16134	0.1489	0.0546

0.0579	0.07828	7310	0.8944	0.05	0.0939	9249		
0.0393	0.2429	7310	0.903	0.0153	0.6171	9249		
-0.0468	0.1818	8223	0.0841	-0.0298	0.3552	10217		
0.0506	0.1491	7310	0.9128	0.0294	0.3609	9249		
0.0545	0.1179	7310	0.9116	0.0321	0.3146	9249		
-0.05	0.07045	10252	0.0989	-0.0326	0.1867	13232	0.1204	0.0702
-0.0628	0.0522	7310	0.1205	-0.0413	0.1635	9249		
-0.056	0.1425	7310	0.0794	-0.0368	0.2924	9249		
-0.0025	0.9492	6374	0.0758	-0.004	0.9106	8200		
0.0773	0.03905	6374	0.0906	0.0747	0.02678	8200		
-0.0014	0.8564	147469	0.0763	-0.0038	0.5865	185660	0.0827	0.0241
-0.1061	0.5283	5056	0.0103	-0.0241	0.8739	6436		
-0.0088	0.9389	5056	0.9881	-0.064	0.5209	8200		
-0.0027	0.9819	5056	0.0113	0.0553	0.594	8200		
-0.0776	0.08851	6374	0.0531	-0.0807	0.0512	8200		
-0.0124	0.891	6374	0.9871	-0.0128	0.8773	8200		
-0.0886	0.2297	6374	0.9786	-0.1119	0.09139	8200		
-0.094	0.3844	5056	0.986	-0.1241	0.2103	6436		
4.00E-04	0.9966	6161	0.9856	0.001	0.9906	7801		
-0.082	0.302	6374	0.0165	-0.0313	0.6573	8200		
0.097	0.3831	6374	0.0104	0.041	0.6856	8200		
-0.0253	0.5601	8223	0.0541	-0.0411	0.3146	10217		
0.005	0.8875	6374	0.1073	-0.0142	0.6553	8200		
0.02	0.5424	6374	0.1276	0.0118	0.692	8200		

ıtifies novel loci for obesity traits. Nature Communications ***8*** *, 14977 (2017)*

VIK), as previously described [1] .

C.CurSmk		GIANT.WC.NotCurSmk				GIANT.WC.adjSMK		
PVAL	N	EAF	BETA	PVAL	N	EAF	BETA	PVAL
0.3762	29814.9	0.316	0.0016	0.7486	106238	0.3166	0.001	0.8206
0.2091	32213.3	0.3147	0.002	0.661	125372	0.3155	6.00E-04	0.8944
0.2022	32396.3	0.3143	0.0018	0.6997	125814	0.3147	4.00E-04	0.9307
0.2205	32212.9	0.6833	-0.0014	0.7536	125368	0.6829	0	0.999
0.9736	641	0.6844	0.0662	0.09625	1593	0.6877	0.0518	0.1332
0.4509	30043.9	0.3142	0.0012	0.8039	106241	0.3148	8.00E-04	0.8571
0.2176	32211.6	0.683	-5.00E-04	0.9092	125369	0.682	7.00E-04	0.8676
0.43	25689	0.2271	-0.0034	0.6109	92040	0.2294	-0.0052	0.3924
0.3323	956	0.9492	0.0642	0.1083	9023	0.949	0.0645	0.09301
0.4156	29517.9	0.8494	0.0052	0.4486	105748	0.8513	0.0018	0.7634
0.5197	32014.5	0.152	-0.0093	0.1398	125262	0.1501	-0.0058	0.3076
0.696	32193.5	0.8492	0.0089	0.1466	125702	0.8507	0.0063	0.2616
0.4093	27969.8	0.852	0.0079	0.2765	104050	0.8543	0.0041	0.5302
0.6458	260	0.1161	-0.0883	0.1558	6007	0.1202	-0.0509	0.3507

0.3269	1041	0.1148	0.0084	0.8512	2937	0.1152	0.0276	0.4646
0.1474	31045.8	0.0784	0.011	0.1902	125258	0.0779	0.0133	0.08207
		0.9853	-0.2043	0.2852	1100	0.985	-0.0752	0.6526

	GIANT.WHR.CurSmk				GIANT.WHR.NotCurSmk			
N	EAF	BETA	PVAL	N	EAF	BETA	PVAL	N
133509	0.3125	0.0036	0.6946	27495.9	0.3172	0.0015	0.7877	91969.1
154930	0.3114	-5.00E-04	0.9514	29886.3	0.3154	0.003	0.5375	111074
155573	0.3107	-5.00E-04	0.959	30055.3	0.3149	0.0028	0.5721	111472
154925	0.6869	2.00E-04	0.9819	29885.9	0.6828	-0.0023	0.6349	111070
2247	0.694	-0.0186	0.7645	638	0.6851	-0.0527	0.1976	1577
133512	0.3095	0.0037	0.6904	27724.9	0.3147	5.00E-04	0.9295	91972.1
154926	0.6807	0.0017	0.8486	29884.6	0.6825	-9.00E-04	0.8525	111071
114093	0.2358	-0.0058	0.6352	23630	0.23	0.0012	0.8644	78439.9
11295	0.9457	-0.032	0.777	956	0.9492	0.0546	0.1669	9023
132958	0.8499	-0.012	0.3468	27076.9	0.8489	-6.00E-04	0.9312	91478.5
154903	0.1513	0.013	0.2854	29565.5	0.1526	-0.004	0.5417	110964
155539	0.8553	-0.0065	0.5876	29730.5	0.8482	0.0049	0.4609	111331
127164	0.8531	-0.0217	0.1192	25514.8	0.8515	0.003	0.7059	89708.4
6879								

3978	0.1075	0.1055	0.2285	781	0.1075	-0.0014	0.9814	1837
154712	0.0812	5.00E-04	0.9754	28745.8	0.0796	0.0254	0.00449	110960
1360								

GIANT.WHR.adjSMK			
EAF	BETA	PVAL	N
0.3165	0.0033	0.4674	117498
0.3146	0.0028	0.5024	140318
0.3142	0.0025	0.5429	140901
0.6834	-0.0031	0.4635	138879
0.6873	-0.0364	0.2758	2228
0.3138	0.0019	0.6741	118935
0.6829	-0.0014	0.7543	138880
0.2337	-0.0014	0.8142	101381
0.9495	0.051	0.1814	11295
0.8516	-0.0019	0.7651	118383
0.1499	-0.0016	0.7877	138857
0.8512	0.0038	0.4919	139433
0.8561	-0.0024	0.7275	111096

0.1075	0.0353	0.4767	2618
0.0781	0.0211	0.005978	140100

Supplementary Table 23: Look-up of Associated Variants in MAGIC and AAGILE Diabetes Trait Dat

Results presented include linear association results from the MAGIC Consortium of up to 58,074 EUF variants and BMI, as previously described [1] . Also included are linear association results from AAGILE up to 26,488 cases and 83,964 controls, as previously described [3] .

					MAGIC.EUR.GLUC.Int.BMI.1df				MAGIC.EUR.GL	
rsID	CHR	BP	A1	A2	MAF	BETA	SE	PVAL	MAF	BETA
rs7529792	1	28306250	t	c	0.301	0.0002	0.0007	0.7693	0.301	0.000292
rs11247731	1	28309722	t	c	0.333	0.0002	0.0007	0.7489	0.333	0.000323
rs11247734	1	28313993	t	c	0.296	0.0002	0.0007	0.7731	0.296	0.000309
rs7549174	1	28319484	a	g	0.299	-0.0002	0.0007	0.7373	0.299	-0.00032
rs12140070	1	28335581								
rs2815708	1	28347491	t	c	0.296	0.0002	0.0007	0.8167	0.296	0.000273
rs546355	1	28364156	t	c	0.342	-0.0002	0.0007	0.7937	0.342	-0.00028
rs12144104	1	28406173								
rs12740061	1	69407810	t	c	0.226	0.0012	0.0009	0.1873	0.226	0.000547
rs4690220	4	980464								
rs17150980	7	78173734								
rs2109767	7	121496261	t	c	0.134	0.0013	0.001	0.1734	0.134	0.001147
rs6966138	7	121505837	a	g	0.147	-0.0013	0.001	0.193	0.147	-0.00113
rs6965735	7	121505847	a	g	0.146	0.0013	0.001	0.1874	0.146	0.001145
rs740965	7	121513561	t	g	0.142	0.0013	0.0011	0.2161	0.142	0.001149
rs10229720	7	137558401								
rs3735018	7	137562744								
rs10101067	8	72407374	c	g	0.026	0.0007	0.0014	0.6139	0.026	0.000783

[1] Manning, A.K. et al. A genome-wide approach accounting for body mass index identifies genetic variants in

[2] Liu, C.T. et al. Trans-ethnic Meta-analysis and Functional Annotation Illuminates the Genetic Architecture o

[3] DIAbetes Genetics Replication Meta-analysis Consortium, Asian Genetic Epidemiology Network Type Diabet

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R participants (glucose) and 51,750 EUR participants (insulin), including models of the main ef

E, a meta-analysis of 20,209 AFR participants (glucose) and 17,871 AFR participants (insulin),

UC.Int.BMI.2df		MAGIC.EUR.GLUC				MAGIC.EUR.GLUC.adjBI		
SE	PVAL	MAF	BETA	SE	PVAL	MAF	BETA	SE
0.000714	5.41E-01	0.301	-3.70E-03	3.30E-03	2.64E-01	0.301	-4.80E-03	3.40E-03
7.16E-04	5.25E-01	0.333	-4.00E-03	3.30E-03	2.26E-01	0.333	-4.90E-03	3.40E-03
7.16E-04	5.58E-01	0.296	-3.90E-03	3.30E-03	2.34E-01	0.296	-4.80E-03	3.40E-03
7.15E-04	4.64E-01	0.299	4.30E-03	3.30E-03	1.96E-01	0.299	5.10E-03	3.40E-03
0.000718	5.33E-01	0.296	-3.80E-03	3.30E-03	2.55E-01	0.296	-5.00E-03	3.40E-03
0.000718	4.62E-01	0.342	4.50E-03	3.30E-03	1.77E-01	0.342	5.20E-03	3.40E-03
0.000907	4.19E-01	0.226	-6.00E-03	4.10E-03	1.46E-01	0.226	-4.80E-03	4.00E-03
0.000958	1.79E-01	0.134	8.60E-03	4.50E-03	5.50E-02	0.134	5.90E-03	4.60E-03
0.000959	1.66E-01	0.147	-8.80E-03	4.40E-03	4.68E-02	0.147	-6.30E-03	4.60E-03
0.00096	1.60E-01	0.146	8.90E-03	4.40E-03	4.62E-02	0.146	6.40E-03	4.60E-03
0.001037	1.64E-01	0.142	8.50E-03	4.90E-03	8.08E-02	0.142	6.10E-03	5.10E-03
0.001365	4.91E-01	0.026	-7.20E-03	6.30E-03	0.25	0.026	-0.01	0.01

*fluencing fasting glycemic traits and insulin resistance. Nature genetics **44**, 659-669 (2012).*

*f Fasting Glucose and Insulin. Am J Hum Genet **99**, 56-75 (2016).*

tes Consortium, South Asian Type Diabetes Consortium Mexican American Type Diabetes Consortium &

fect of variants, the main effect after adjustment for BMI, and the 1df and 2df interaction betwe
as previously described2, and logistic regression results for Type 2 Diabetes in a trans-ancestry sa

MI	MAGIC.EUR.INS.Int.BMI.1df				MAGIC.EUR.INS.Int.BMI.2df			
PVAL	MAF	BETA	SE	PVAL	MAF	BETA	SE	PVAL
0.1561	0.301	1.10E-03	7.00E-04	0.1407	0.301	0.001239	0.000678	0.028
0.15	0.333	1.10E-03	7.00E-04	0.1082	0.333	0.001311	0.000679	0.025
0.1598	0.296	1.10E-03	7.00E-04	0.1128	0.296	0.001311	0.00068	0.027
0.1351	0.299	-1.10E-03	7.00E-04	0.1224	0.299	-0.00128	0.000679	0.022
0.14	0.296	1.10E-03	7.00E-04	0.1276	0.296	0.001271	0.000681	0.029
0.1274	0.342	-1.10E-03	7.00E-04	0.1277	0.342	-0.00128	0.000682	0.027
0.2306	0.226	9.00E-04	9.00E-04	0.2891	0.226	0.000526	0.000815	0.327
0.2025	0.134	1.10E-03	9.00E-04	0.2126	0.134	0.000614	0.000888	0.686
0.1752	0.147	-1.20E-03	9.00E-04	0.2149	0.147	-0.00061	0.000894	0.718
0.1699	0.146	1.20E-03	9.00E-04	0.212	0.146	0.0006	0.000896	0.725
0.234	0.142	1.50E-03	1.00E-03	0.1217	0.142	0.001064	0.000956	0.529
0.2164	0.026	1.50E-03	1.40E-03	0.2682	0.026	0.00123	0.001284	0.228

& Type Diabetes Genetic Exploration by Next-generation sequencing in multi-Ethnic Samples Consortium.

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mple of

MAGIC.EUR.INS				MAGIC.EUR.INS.adjBMI				AAGILE.A	
MAF	BETA	SE	PVAL	MAF	BETA	SE	PVAL	MAF	BETA
0.301	-7.90E-03	3.40E-03	0.02018	0.301	-5.70E-03	2.90E-03	0.04665	0.333	-9.00E-04
0.333	-8.10E-03	3.40E-03	0.01547	0.333	-5.60E-03	2.90E-03	0.04967	0.333	-4.00E-04
0.296	-8.10E-03	3.40E-03	0.01548	0.296	-5.60E-03	2.90E-03	0.05012	0.333	-0.0013
0.299	8.60E-03	3.40E-03	0.01043	0.299	5.90E-03	2.90E-03	0.03893	0.333	0.0033
0.296	-7.90E-03	3.40E-03	0.0194	0.296	-5.70E-03	2.90E-03	0.04644	0.35	-0.0028
0.342	8.20E-03	3.40E-03	0.0147	0.342	5.70E-03	2.90E-03	0.0472	0.35	0.0013
0.226	5.90E-03	4.10E-03	0.1558	0.226	6.80E-03	3.50E-03	0.05027	0.008	-0.0309
0.134	6.70E-03	4.70E-03	0.1516	0.134	2.80E-03	4.00E-03	0.4795	0.025	-0.0098
0.147	-6.40E-03	4.60E-03	0.1695	0.147	-2.50E-03	4.00E-03	0.5237	0.017	0.0063
0.146	6.30E-03	4.60E-03	0.1771	0.146	2.60E-03	4.00E-03	0.5215	0.026	0.0381
0.142	3.50E-03	5.10E-03	0.4956	0.142	4.00E-04	4.30E-03	0.9325	0.008	0.0022
								0.117	8.00E-04
0.026	6.00E-04	6.70E-03	0.9315	0.026	5.00E-03	5.70E-03	0.3761	0.036	-0.0044

AFR.GLUC		AAGILE.AFR.INS.adjBMI				DIAGRAM-EUR.AGE		
SE	PVAL	MAF	BETA	SE	PVAL	EA	NEA	OR
5.80E-03	0.88	0.333	6.00E-04	6.10E-03	0.92	C	T	1.01
5.90E-03	0.95	0.333	-6.00E-04	6.20E-03	0.93	C	T	1.01
5.80E-03	0.82	0.333	6.00E-04	6.10E-03	0.92	C	T	1.01
5.80E-03	0.57	0.333	0.0073	6.10E-03	0.23	A	G	1.01
						A	G	1.04
5.80E-03	0.63	0.35	-0.0022	6.10E-03	0.72	C	T	1.01
5.90E-03	0.82	3.50E-01	0.0015	6.10E-03	0.81	T	C	1.01
						G	A	1.03
1.59E-02	0.05	0.008	-0.017	1.65E-02	0.30	T	C	1.01
						A	G	1.03
						G	A	1.07
1.42E-02	0.49	0.025	0.0278	1.45E-02	0.06	T	C	1
1.37E-02	0.65	0.017	-0.0272	1.44E-02	0.06	G	A	1.01
1.46E-02	0.01	0.026	0.0393	1.50E-02	0.01	A	G	1.01
1.43E-02	0.88	0.008	0.0216	1.48E-02	0.14	T	G	1.01
						T	C	1.05
1.32E-02	0.95	1.17E-01	0.0066	1.49E-02	0.66	C	G	1.05
1.44E-02	0.76	0.036	-0.0135	1.50E-02	0.37	C	G	1.04

ptibility. Nature genetics ***46*** *, 234-244 (2014).*

EN-AS.SA.MA.TA.T2D		
95% CI	PVAL	N
(0.98,1.03)	0.61	104,567
(0.98,1.03)	0.59	104,561
(0.98,1.03)	0.60	104,571
(0.98,1.03)	0.67	110,213
(0.97,1.11)	0.28	10,854
(0.98,1.03)	0.53	104,568
(0.98,1.03)	0.58	104,561
(0.97,1.1)	0.30	10,853
(0.97,1.05)	0.65	87,395
(0.97,1.1)	0.31	10,851
(1.02,1.12)	0.01	30,705
(0.97,1.04)	0.97	69,062
(0.98,1.04)	0.59	100,270
(0.98,1.04)	0.51	101,582
(0.98,1.05)	0.45	98,306
(0.85,1.3)	0.65	10,990
(0.85,1.3)	0.66	10,989
(0.99,1.09)	0.09	97,854

Supplementary Table 24: Look-up of Associated Variants in COGENT Kidney Data

Results drawn from linear regression models of genotype (coded additively) and estimated glomer

					COGENT.eGFR			
rsID	CHR	BP	A1	A2	BETA	SE	PVAL	N
rs7529792	1	28306250	T	C	-0.09315	0.113748	0.419416	71,636
rs1124773	1	28309722	T	C	-0.09529	0.113693	0.408589	71,636
rs1213913	1	28313606	T	C	-0.07722	0.113965	0.504106	71,637
rs1124773	1	28313993	T	C	-0.07603	0.113968	0.510695	71,637
rs7549174	1	28319484	G	A	-0.0798	0.113983	0.490037	71,637
rs1214007	1	28335581	G	A	-0.08217	0.114085	0.477626	71,637
rs2815708	1	28347491	T	C	-0.08495	0.11383	0.461854	71,637
rs1419031	1	28360177	T	A	-0.01617	0.128836	0.901498	71,637
rs1506286	1	28360180	T	A	0.05139	0.146316	0.729116	48,101
rs546355	1	28364156	C	T	-0.08737	0.11408	0.450179	71,637
rs1124774	1	28379130	T	C	-0.08752	0.114846	0.452398	71,637
rs6661800	1	28380087	A	G	-0.08716	0.114933	0.454619	71,637
rs7265834	1	28389310	G	C	-0.08222	0.115283	0.481904	71,637
rs1124774	1	28389994	A	G	-0.07667	0.115027	0.511052	71,637
rs1214406	1	28406047	T	G	-0.08501	0.11607	0.470213	71,636
rs1214410	1	28406173	A	G	-0.08039	0.11607	0.494677	71,637
rs1274006	1	69407810	T	C	-0.23629	0.158753	0.142198	71,638
rs1497765	2	86472455	G	C	-0.18895	0.313121	0.551867	48,102
rs1093724	3	185822774	G	A	0.050009	0.129538	0.703469	71,638
rs3431186	4	951947	C	T	-0.23846	0.172466	0.172759	71,638
rs4690220	4	980464	G	A	0.261613	0.114753	0.024603	71,638
rs1715098	7	78173734	C	T	-0.25382	0.206714	0.225988	71,638
rs2109767	7	121496261	C	T	-0.12242	0.142808	0.397973	71,638
rs7475511	7	121499369	C	G	-0.12009	0.142962	0.407527	71,638
rs7781025	7	121504149	A	G	-0.13139	0.143149	0.365443	71,638
rs6966138	7	121505837	A	G	-0.15568	0.144395	0.287725	71,638
rs6965735	7	121505847	G	A	-0.18946	0.157529	0.235653	61,867
rs1386010	7	121507435	A	C	-0.14996	0.144612	0.306523	71,638
rs3757551	7	121511088	A	G	-0.14638	0.14473	0.318641	71,638
rs740965	7	121513561	G	T	-0.17646	0.157971	0.270689	61,867
rs7505264	7	121513999	A	G	-0.14324	0.144768	0.329254	71,638
rs2842141	7	137552259	C	T	-0.22364	0.354812	0.534293	48,085
rs7429906	7	137553417	G	A	-0.21311	0.354992	0.553925	48,085
rs1010106	8	72407374	C	G	-0.1641	0.206747	0.433859	71,637
rs6206482	17	33280904	T	C	-0.25921	0.27832	0.358447	71,638

[1.] *Mahajan, A. et al. Trans-ethnic Fine Mapping Highlights Kidney-Function Genes Linked to Salt Sensitivity.*

ular filtration rate, as previously described [1] .

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Supplementary Table 25: Genotype-Tissue Expression (GTEx) Annotat

No	rsID	Chr	Build 37 Position	Hugo Name	Role
1	rs7529792	1	28306250	*EYA3*	intron
2	rs11247731	1	28309722	*EYA3*	intron
3	rs12139137	1	28313606	*EYA3*	intron
4	rs11247734	1	28313993	*EYA3*	intron
5	rs7549174	1	28319484	*EYA3*	downstream - 500B
6	rs12140070	1	28335581	*EYA3*	intron
7	rs2815708	1	28347491	*EYA3*	intron
8	rs546355	1	28364156	*EYA3*	intron
9	rs11247742	1	28379130	*EYA3*	intron
10	rs6661800	1	28380087	*EYA3*	intron
11	rs72658347	1	28389310	*EYA3*	intron
12	rs11247746	1	28389994	*EYA3*	intron
13	rs12144063	1	28406047	*EYA3*	intron
14	rs12144104	1	28406173	*EYA3*	intron
15	rs34311866	4	951947	*TMEM175*	missense
16	rs4690220	4	980464	*IDUA*	upstream - 2KB
17	rs2109767	7	121496261	*PTPRZ1*	
18	rs74755112	7	121499369	*PTPRZ1*	
19	rs77810251	7	121504149	*PTPRZ1*	
20	rs6966138	7	121505837	*PTPRZ1*	
21	rs6965735	7	121505847	*PTPRZ1*	
22	rs138601001	7	121507435	*PTPRZ1*	
23	rs3757551	7	121511088	*PTPRZ1*	
24	rs740965	7	121513561	*PTPRZ1*	missense
25	rs75052642	7	121513999	*PTPRZ1*	intron
26	rs10101067	8	72407374	*EYA1*	intron

[1] *Target gene type followed by tissue type(s) and p-value(s) for that result.*

[2] *Median number of gene transcripts per million RNA transcripts in given tissu*

tion of Novel Associated Variants

Target Gene(s)[1]	Best eQTL for Target Gene	r^2 between Variant of Interest and Best eQTL
EYA3: Brain_Cerebellum (2.7E-25), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0084
EYA3: Brain_Cerebellum (2.7E-25), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0085
EYA3: Brain_Cerebellum (4.7E-26), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0083
EYA3: Brain_Cerebellum (4.7E-26), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0083
EYA3: Brain_Cerebellum (1.5E-25), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0083
EYA3: Brain_Cerebellum (4.7E-26), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0087
EYA3: Brain_Cerebellum (7.5E-24), Cells	rs113165163: Whole_Blood (1.3E-39)	0.0093
EYA3 :Brain_Cerebellum (7.5E-24), Cells	rs113165163: Whole_Blood (1.3E-39)	0.009
EYA3: Brain_Cerebellum (4.7E-26), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0083
EYA3: Brain_Cerebellum (4.7E-26),Brain	rs113165163: Whole_Blood (1.3E-39)	0.0083
EYA3: Brain_Cerebellum (4.3E-25), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0086
EYA3: Brain_Cerebellum (2.1E-24), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0085
EYA3: Brain_Cerebellum (4.7E-26), Brair	rs113165163: Whole_Blood (1.3E-39)	0.008
EYA3: Brain_Cerebellum (2.9E-25), Brair	rs113165163: Whole_Blood (1.3E-39)	0.0083
DGKQ: Thyroid (9.1E-15), Lung (3.6E-14)	rs4690196: Lung (1.9E-82)	0.0697
DGKQ: Lung (5.4E-68), Whole_Blood (7.	rs4690196: Lung (1.9E-82)	0.5556
SLC26A1: Artery_Tibial (4.5E-32), Nerve_	rs3796622: Thyroid (4.5E-90)	0.3684
IDUA: Nerve_Tibial (7.0E-17), Lung (9.3E	rs11248061: Nerve_Tibial (4.5E-19)	0.7461
PTPRZ1: Artery_Aorta (1.0E-08)	rs67375952: Lung (1.8E-34)	0.1192
PTPRZ1: Artery_Aorta (1.5E-08)	rs67375952: Lung (1.8E-34)	0.1178
PTPRZ1: Artery_Aorta (1.5E-08)	rs67375952: Lung (1.8E-34)	0.1184
PTPRZ1: Artery_Aorta (1.5E-08)	rs67375952: Lung (1.8E-34)	0.1135
PTPRZ1: Artery_Aorta (1.8E-08)	rs67375952: Lung (1.8E-34)	0.1133
PTPRZ1: Artery_Aorta (1.6E-08)	rs67375952: Lung (1.8E-34)	0.1133
PTPRZ1: Artery_Aorta (1.5E-08)	rs67375952: Lung (1.8E-34)	0.1128
PTPRZ1: Artery_Aorta (1.0E-08)	rs67375952: Lung (1.8E-34)	0.1125
PTPRZ1: Artery_Aorta (1.5E-08)	rs67375952: Lung (1.8E-34)	0.1123
EYA1: Adipose_Subcutaneous (4.6E-10)	rs13269725: Adipose_Subcutaneous (2.3E-14)	0.6427

ıe, GTEx Portal (www.gtexportal.org)

RegulomeDB Score	Gene Expression in Relevant Tissues[2]		
	Liver	Lung	Adipose Tissue (Visceral)
1b	4.24	12.96	8.039
No Data	4.24	12.96	8.039
No Data	4.24	12.96	8.039
1f	4.24	12.96	8.039
No Data	4.24	12.96	8.039
6	4.24	12.96	8.039
1d	4.24	12.96	8.039
No Data	4.24	12.96	8.039
6	4.24	12.96	8.039
6	4.24	12.96	8.039
4	4.24	12.96	8.039
6	4.24	12.96	8.039
2c	4.24	12.96	8.039
4	4.24	12.96	8.039
4	6.113	21.28	11.77
1f	6.113	21.28	11.77
1f	8.822	2.857	1.743
1f	8.937	26.97	19.97
6	0	1.642	1.578
6	0	1.642	1.578
No Data	0	1.642	1.578
5	0	1.642	1.578
5	0	1.642	1.578
No Data	0	1.642	1.578
5	0	1.642	1.578
4	0	1.642	1.578
4	0	1.642	1.578
6	0	0.288	0

Supplementary Table 26: Haploreg Annotation of Novel Associated Variants

No	chr	pos (hg38)	variant	Ref	Alt	AFR freq	AMR freq	ASN freq	EUR freq	GERP cons	SiPhy cons	Promoter histone marks
1	1	27979739	rs7529792	C	T	0.35	0.27	0.52	0.3			
2	1	27983211	rs11247731	C	T	0.35	0.27	0.52	0.3			
3	1	27987095	rs12139137	C	T	0.35	0.27	0.52	0.3			
4	1	27987482	rs11247734	C	T	0.35	0.27	0.52	0.3			
5	1	27992973	rs7549174	A	G	0.35	0.27	0.52	0.3			
6	1	28009070	rs12140070	A	G	0.35	0.27	0.52	0.3			
7	1	28020980	rs2815708	C	T	0.38	0.28	0.52	0.3			
8	1	28033666	rs141903187	A	T	0.28	0.24	0.44	0.25			
9	1	28033669	rs150628667	A	T	0.25	0.24	0.44	0.25			
10	1	28037645	rs546355	T	C	0.38	0.28	0.53	0.3			
11	1	28052619	rs11247742	C	T	0.35	0.27	0.53	0.3			
12	1	28053576	rs6661800	G	A	0.35	0.27	0.53	0.3			
13	1	28062799	rs72658347	C	G	0.37	0.27	0.53	0.3			
14	1	28063483	rs11247746	G	A	0.37	0.27	0.52	0.3			
15	1	28079536	rs12144063	G	T	0.35	0.28	0.53	0.3			BRN, LIV
16	1	28079662	rs12144104	G	A	0.35	0.28	0.53	0.3			BRN, LIV
17	1	68942127	rs12740061	C	T	0.01	0.17	0.02	0.22			
18	2	72622196	rs140602625	T	C	0.01	0	0	0			
19	2	84194747	rs74378944	C	T	0.02	0	0	0			
20	2	84200900	rs114138886	C	T	0.02	0	0	0			BLD
21	2	86245332	rs149776574	C	G	0.01	0.08	0	0.06			
22	3	186104985	rs10937241	A	G	0.7	0.69	0.42	0.81			
23	4	958159	rs34311866	T	C	0.01	0.07	0.12	0.2			
24	4	986676	rs4690220	A	G	0.45	0.56	0.36	0.45			24 tissues
25	4	41909349	rs143396479	G	A	0.02	0	0	0			
26	4	163718542	rs148187465	T	C	0.01	0	0	0			
27	4	163772497	rs138102395	A	G	0.01	0	0	0			
28	5	151794292	rs73281659	T	A	0.03	0	0	0			
29	5	151795744	rs73281660	G	A	0.03	0	0	0			
30	5	151796562	rs201693795	CT	C	0.03	0	0	0			

31	5	151809722	rs76687692	G	A	0.03	0	0	0		
32	5	151828401	rs73281690	A	G	0.03	0	0	0		
33	5	151858895	rs111558291	C	T	0.03	0	0	0		
34	5	165540401	rs73339842	A	G	0.02	0.01	0	0		
35	5	165545094	rs149724001	8-mer	G	0.03	0.01	0	0		
36	6	7879804	rs115580718	A	G	0.02	0	0	0		
37	7	78544417	rs17150980	T	C	0	0.12	0.45	0.01		
38	7	121856207	rs2109767	T	C	0.03	0.22	0.34	0.11		
39	7	121859315	rs74755112	G	C	0.02	0.22	0.34	0.11		
40	7	121864095	rs77810251	G	A	0.02	0.22	0.34	0.11		
41	7	121865783	rs6966138	G	A	0.02	0.2	0.31	0.11		
42	7	121865793	rs6965735	A	G	0.02	0.2	0.31	0.11		
43	7	121867381	rs138601001	C	A	0.02	0.2	0.31	0.11		
44	7	121871034	rs3757551	G	A	0.02	0.2	0.31	0.11		
45	7	121873507	rs740965	T	G	0.02	0.2	0.31	0.11		21 tissues
46	7	121873945	rs75052642	G	A	0.02	0.2	0.31	0.11		19 tissues
47	7	137867513	rs28421417	C	T	0.11	0.04	0.02	0		
48	7	137868671	rs74299062	G	A	0.11	0.04	0.03	0		
49	7	137869352	rs57402658	G	A	0.11	0.04	0.02	0		
50	7	137870097	rs137961339	TATATA	T	0.1	0.03	0.02	0		
51	7	137870355	rs10275839	C	T	0.13	0.04	0.02	0		
52	7	137873655	rs10229720	C	T	0.11	0.04	0.02	0		
53	7	137873823	rs6972144	A	G	0.12	0.04	0.02	0		
54	7	137875053	rs73729083	T	C	0.11	0.04	0.02	0		STRM
55	7	137875574	rs57979055	G	A	0.09	0.04	0.02	0		
56	7	137877115	rs73729085	A	G	0.09	0.04	0.02	0		IPSC, BRN
57	7	137877922	rs73729087	T	C	0.1	0.04	0.02	0		IPSC
58	7	137877998	rs3735018	G	C	0.09	0.04	0.02	0		IPSC

59	7	137879333	rs148937028	GA	G	0.1	0.03	0.02	0	BRST
60	7	137882097	rs73729089	C	T	0.14	0.04	0.02	0	
61	7	137882340	rs55868765	C	T	0.09	0.03	0.02	0	
62	7	146387481	rs73453125	G	A	0.09	0.02	0	0	
63	7	151548889	rs56167574	G	A	0.13	0.01	0	0	
64	8	71495139	rs10101067	G	C	0.04	0.07	0.13	0.06	
65	10	30595961	rs116592443	G	A	0.02	0	0	0	LIV
66	10	71140123	rs115628664	A	G	0.03	0	0	0	
67	10	71180564	rs77581804	C	T	0.03	0	0	0	IPSC
68	11	2212560	rs79950627	G	A	0.06	0.01	0	0	
69	11	44956815	rs183911507	C	G	0.01	0	0	0	ESC
70	12	122207191	rs4758675	C	A	0.98	1	1	1	
71	13	38933701	rs199771018	TC	T	0.02	0	0	0	
72	13	38935627	rs148607412	A	G	0.02	0	0	0	
73	13	38938397	rs4349029	A	G	0.02	0	0	0	
74	13	70540075	rs190976513	T	A	0.02	0.01	0	0	
75	14	63140402	rs182600360	T	A	0.02	0	0	0	
76	17	34953885	rs62064821	C	T	0.01	0.04	0	0.06	
77	19	22263946	rs60029395	G	A	0.2	0.02	0.03	0	
78	22	20108649	rs7364132	G	A	0.19	0.02	0	0	

Enhancer histone marks	DNAse	Proteins bound	Motifs changed	NHGRI/EBI GWAS hits	GRASP QTL hits
11 tissues	45 tissues	21 bound proteins	RXRA,TCF11::MafG,UF1H3BETA		2 hits
BRN	BRN		4 altered motifs		1 hit
SKIN, GI			VDR		
SKIN					1 hit
BLD, HRT, VAS			DMRT7,Hic1,Zec		1 hit
			NF-AT,NF-AT1,Sox		
11 tissues			Foxp1,Mef2		2 hits
			11 altered motifs		
			9 altered motifs		
STRM, SKIN			BATF		
			6 altered motifs		
PANC			6 altered motifs		
4 tissues	BLD	SETDB1			
4 tissues			LUN-1		
12 tissues	12 tissues		Foxq1,HNF4		
12 tissues	SKIN,BLD		GR,Pax-5		
			E2F,XBP-1		1 hit
			6 altered motifs		
BRST, BRN			NF-Y,YY1		
			9 altered motifs		
ADRL, HRT	7 tissues		CTCFL		
			6 altered motifs		
4 tissues		POL2	Mxi1,Myc,Sin3Ak-20	1 hit	
	21 tissues	ZNF263	AP-1,PTF1-beta,Znf143		
9 tissues	13 tissues	4 bound proteins	8 altered motifs		
			4 altered motifs		
ESDR			BDP1		
BLD, OVRY			11 altered motifs		
			7 altered motifs		
LNG, BONE			12 altered motifs		

			4 altered motifs
			4 altered motifs
			Hmx,Nkx2,Nkx3
			7 altered motifs
			11 altered motifs
ESDR	IPSC,VAS	POL2	6 altered motifs
FAT, BRN, MUS			MIF-1,NF-I,RFX5
			11 altered motifs
FAT, VAS	MUS		7 altered motifs
	BRN		4 altered motifs

			E2F,Ets,NR4A
ESDR, BRN	BRN		7 altered motifs
BLD	30 tissues	ZNF263	Irf,Pax-5,Pou2f2
BLD, HRT	21 tissues		4 altered motifs
FAT, HRT, MUS	HRT,MUS, MUS		
HRT			7 altered motifs
		MAFF,MAFK	AP-1,GATA
			12 altered motifs
		MAFF,MAFK	14 altered motifs
	12 tissues		6 altered motifs
12 tissues	5 tissues		FXR,UF1H3BETA
15 tissues	HRT,MUS		4 altered motifs
15 tissues	IPSC,IPSC, BLD		4 altered motifs
14 tissues	9 tissues		GR,Sox,THAP1
14 tissues	4 tissues		Ik-1
14 tissues	4 tissues		Zfp691

15 tissues	10 tissues		18 altered motifs
12 tissues	9 tissues		Pax-4
14 tissues	25 tissues	17 bound proteins	TAL1
			Ets,NF-AT1
ESDR	ESC		4 altered motifs
			5 altered motifs
5 tissues	MUS,BLD		
SPLN			LBP-1
10 tissues	KID,LIV		7 altered motifs
12 tissues	ESC,GI	USF1	DBP
IPSC, ESC, SKIN	4 tissues	POL2	11 altered motifs
	SKIN		Ik-1,RXRA
			Foxp1,NF-AT
			DMRT3
			HEY1
			4 altered motifs
			7 altered motifs
IPSC, SKIN, BRN	MUS	POL2B,SETDB1	Egr-1

Selected eQTL hits	GENCODE genes	RefSeq genes	dbSNP func annot	finalhugo	alleles	strand	rs
15 hits	EYA3	EYA3	intronic	EYA3	C/T	+	rs7529792
15 hits	EYA3	EYA3	intronic	EYA3	C/T	+	rs11247731
15 hits	EYA3	EYA3	intronic	EYA3	C/T	+	rs12139137
15 hits	EYA3	EYA3	intronic	EYA3	C/T	+	rs11247734
16 hits	EYA3	EYA3	intronic	EYA3	A/G	+	rs7549174
15 hits	EYA3	EYA3	intronic	EYA3	A/G	+	rs12140070
16 hits	EYA3	EYA3	intronic	EYA3	A/G	-	rs2815708
13 hits	EYA3	EYA3	intronic	EYA3	A/T	+	rs141903187
13 hits	EYA3	EYA3	intronic	EYA3	A/T	+	rs150628667
16 hits	EYA3	EYA3	intronic	EYA3	A/G	-	rs546355
15 hits	EYA3	EYA3	intronic	EYA3	C/T	+	rs11247742
15 hits	EYA3	EYA3	intronic	EYA3	A/G	+	rs6661800
15 hits	EYA3	EYA3	intronic	EYA3	C/G	+	rs72658347
15 hits	EYA3	EYA3	intronic	EYA3	A/G	+	rs11247746
15 hits	EYA3	EYA3	intronic	EYA3	G/T	+	rs12144063
15 hits	EYA3	EYA3	intronic	EYA3	A/G	+	rs12144104
	114kb 5' of RP11-424D14.1	445kb 5' of DEPDC1		LOC105378783	C/T	+	rs12740061
	EXOC6B	EXOC6B	intronic	EXOC6B	C/T	+	rs140602625
	120kb 5' of AC106874.1	96kb 5' of FUNDC2P2		FUNDC2P2	C/T	+	rs74378944
	114kb 5' of AC106874.1	90kb 5' of FUNDC2P2		FUNDC2P2	C/T	+	rs114138886
2 hits	REEP1	REEP1	intronic	REEP1	C/G/T	+	rs149776574
	ETV5	ETV5	intronic	ETV5	A/C/G	+	rs10937241
17 hits	TMEM175	TMEM175	missense	TMEM175	A/G	-	rs34311866
78 hits	DGKQ	SLC26A1	intronic	IDUA	A/G	+	rs4690220
	15kb 5' of RP11-457P14.5	26kb 5' of TMEM33		LOC105374426	A/G	+	rs143396479
	MARCH1	MARCH1	intronic	MARCH1	C/T	+	rs148187465
	MARCH1	MARCH1	intronic	MARCH1	A/G	+	rs138102395
	G3BP1	G3BP1	intronic	G3BP1	A/T	+	rs73281659
	G3BP1	G3BP1	intronic	G3BP1	A/G	+	rs73281660
	G3BP1	G3BP1	intronic	G3BP1	-/T	+	rs201693795

G3BP1	4.4kb 3' of G3BP1		G3BP1	A/G	+	rs76687692
GLRA1	GLRA1	intronic	GLRA1	A/G	+	rs73281690
GLRA1	GLRA1	intronic	GLRA1	C/T	+	rs111558291
CTC-535M15.2	1.7Mb 5' of ODZ2		LOC105377701	A/G	+	rs73339842
CTC-535M15.2	1.7Mb 5' of ODZ2		LOC105377704	-/TCCCAGC	+	rs149724001
BMP6	BMP6	intronic	BMP6	A/G	+	rs115580718
MAGI2	MAGI2	intronic	MAGI2	C/T	+	rs17150980
17kb 5' of PTPRZ1	17kb 5' of PTPRZ1		PTPRZ1	C/T	+	rs2109767
14kb 5' of PTPRZ1	14kb 5' of PTPRZ1		PTPRZ1	C/G	+	rs74755112
9kb 5' of PTPRZ1	9kb 5' of PTPRZ1		PTPRZ1	A/G	+	rs77810251
7.3kb 5' of PTPRZ1	7.3kb 5' of PTPRZ1		PTPRZ1	A/G	+	rs6966138
7.3kb 5' of PTPRZ1	7.3kb 5' of PTPRZ1		PTPRZ1	A/G	+	rs6965735
5.7kb 5' of PTPRZ1	5.7kb 5' of PTPRZ1		PTPRZ1	A/C	+	rs138601001
2.1kb 5' of PTPRZ1	2.1kb 5' of PTPRZ1		PTPRZ1	C/T	-	rs3757551
PTPRZ1	PTPRZ1	missense	PTPRZ1	A/C	-	rs740965
PTPRZ1	PTPRZ1	intronic	PTPRZ1	A/G	+	rs75052642
7.5kb 3' of CREB3L2	7.5kb 3' of CREB3L2		CREB3L2	C/T	+	rs28421417
6.3kb 3' of CREB3L2	6.3kb 3' of CREB3L2		CREB3L2	A/G	+	rs74299062
5.6kb 3' of CREB3L2	5.6kb 3' of CREB3L2		CREB3L2	A/G	+	rs57402658
4.9kb 3' of CREB3L2	4.9kb 3' of CREB3L2		CREB3L2	-/ATATA	+	rs137961339
4.6kb 3' of CREB3L2	4.6kb 3' of CREB3L2		CREB3L2	C/T	+	rs10275839
1.3kb 3' of CREB3L2	1.3kb 3' of CREB3L2		CREB3L2	C/T	+	rs10229720
1.2kb 3' of CREB3L2	1.2kb 3' of CREB3L2		CREB3L2	A/G	+	rs6972144
CREB3L2	CREB3L2	3'-UTR	CREB3L2	C/T	+	rs73729083
CREB3L2	CREB3L2	3'-UTR	CREB3L2	A/G	+	rs57979055
CREB3L2	CREB3L2	3'-UTR	CREB3L2	A/G	+	rs73729085
CREB3L2	CREB3L2	3'-UTR	CREB3L2	C/T	+	rs73729087
CREB3L2	CREB3L2	3'-UTR	CREB3L2	C/G	+	rs3735018

	CREB3L2	CREB3L2	3'-UTR	CREB3L2	-/A	+	rs148937028
	CREB3L2	CREB3L2	intronic	CREB3L2	C/T	+	rs73729089
	CREB3L2	CREB3L2	intronic	CREB3L2	C/T	+	rs55868765
	CNTNAP2	CNTNAP2	intronic	CNTNAP2	A/G	+	rs73453125
	7.2kb 3' of PRKAG2	7.2kb 3' of PRKAG2		PRKAG2	A/G	+	rs56167574
2 hits	RP11-1102P16.1	133kb 5' of EYA1		EYA1	C/G	+	rs10101067
	10kb 3' of LYZL2	16kb 3' of LYZL2		LOC105376479	A/G	+	rs116592443
	72kb 5' of UNC5B	72kb 5' of UNC5B		UNC5B	A/G	+	rs115628664
	32kb 5' of UNC5B	32kb 5' of UNC5B		UNC5B	C/T	+	rs77581804
	39kb 3' of MIR4686	39kb 3' of MIR4686		TH	A/G	+	rs79950627
	5.5kb 5' of TP53I11	5.8kb 5' of TP53I11		TP53I11	C/G	+	rs183911507
	B3GNT4	B3GNT4		B3GNT4	C/G/T	-	rs4758675
	32kb 3' of STOML3	32kb 3' of STOML3		STOML3	-/C	+	rs199771018
	30kb 3' of STOML3	30kb 3' of STOML3		STOML3	A/G	+	rs148607412
	28kb 3' of STOML3	28kb 3' of STOML3		STOML3	A/G	+	rs4349029
	81kb 3' of RNU6-54	400kb 3' of ATXN8OS		LOC105370255	A/T	+	rs190976513
	12kb 5' of RP11-1112J20.2	39kb 5' of KCNH5		LOC105370531	A/T	+	rs182600360
1 hit	CCT6B	CCT6B	intronic	CCT6B	C/T	+	rs62064821
	23kb 5' of ZNF729	23kb 5' of ZNF729		ZNF676	A/G	+	rs60029395
	DGCR8	DGCR8	intronic	DGCR8	A/G	+	rs7364132

			dbSNP147					
hugo	role	chrom	position	diffPosNea	newhugo	cptid	origchr	Pos_build_37_
EYA3	intron-varia	1	27979739	0	EYA3	1:2830625(	1	28306250
EYA3	intron-varia	1	27983211	0	EYA3	1:2830972:	1	28309722
EYA3	intron-varia	1	27987095	0	EYA3	1:2831360(	1	28313606
EYA3	intron-varia	1	27987482	0	EYA3	1:2831399:	1	28313993
EYA3	intron-varia	1	27992973	0	EYA3	1:2831948-	1	28319484
EYA3	intron-varia	1	28009070	0	EYA3	1:2833558:	1	28335581
EYA3	intron-varia	1	28020980	0	EYA3	1:2834749:	1	28347491
EYA3	intron-varia	1	28033666	0	EYA3	1:2836017'	1	28360177
EYA3	intron-varia	1	28033669	0	EYA3	1:2836018(	1	28360180
EYA3	intron-varia	1	28037645	0	EYA3	1:2836415(	1	28364156
EYA3	intron-varia	1	28052619	0	EYA3	1:2837913(	1	28379130
EYA3	intron-varia	1	28053576	0	EYA3	1:2838008'	1	28380087
EYA3	intron-varia	1	28062799	0	EYA3	1:2838931(	1	28389310
EYA3	intron-varia	1	28063483	0	EYA3	1:2838999-	1	28389994
EYA3	intron-varia	1	28079536	0	EYA3	1:2840604'	1	28406047
EYA3	intron-varia	1	28079662	0	EYA3	1:2840617:	1	28406173
		1	68942127	35557	(LOC10537	1:6940781(	1	69407810
EXOC6B	intron-varia	2	72622196	0	EXOC6B	2:7284932:	2	72849325
		2	84194747	-93944	(FUNDC2P2	2:8442187:	2	84421871
		2	84200900	-87791	(FUNDC2P2	2:8442802-	2	84428024
REEP1	intron-varia	2	86245332	0	REEP1	2:8647245:	2	86472455
ETV5	intron-varia	3	186104985	0	ETV5	3:1858227'	3	185822774
TMEM175	missense	4	958159	0	TMEM175	4:951947	4	951947
IDUA	upstream-v	4	986676	0	IDUA	4:980464	4	980464
LOC10537-	intron-varia	4	41909349	0	LOC10537-	4:4191136(	4	41911366
MARCH1	intron-varia	4	163718542	0	MARCH1	4:1646396:	4	164639694
MARCH1	intron-varia	4	163772497	0	MARCH1	4:1646936-	4	164693649
G3BP1	intron-varia	5	151794292	0	G3BP1	5:1511738:	5	151173853
G3BP1	intron-varia	5	151795744	0	G3BP1	5:1511753(	5	151175305
G3BP1	intron-varia	5	151796563	0	G3BP1	5:1511761:	5	151176123

G3BP1	utr-variant-	5	151809722	0	G3BP1	5:1511892	5	151189283
GLRA1	intron-varia	5	151828401	0	GLRA1	5:1512079	5	151207962
GLRA1	intron-varia	5	151858895	0	GLRA1	5:1512384	5	151238456
		5	165540401	295045	(LOC10537	5:1649674	5	164967406
		5	165545095	-296162	(LOC10537	5:1649720	5	164972099
BMP6	intron-varia	6	7879804	0	BMP6	6:7880037	6	7880037
MAGI2	intron-varia	7	78544417	0	MAGI2	7:7817373	7	78173734
		7	121856207	-14898	(PTPRZ1)_b	7:1214962	7	121496261
		7	121859315	-11790	(PTPRZ1)_b	7:1214993	7	121499369
		7	121864095	-7010	(PTPRZ1)_b	7:1215041	7	121504149
		7	121865783	-5322	(PTPRZ1)_b	7:1215058	7	121505837
		7	121865793	-5312	(PTPRZ1)_b	7:1215058	7	121505847
		7	121867381	-3724	(PTPRZ1)	7:1215074	7	121507435
		7	121871034	-71	(PTPRZ1)	7:1215110	7	121511088
PTPRZ1	missense	7	121873507	0	PTPRZ1	7:1215135	7	121513561
PTPRZ1	intron-varia	7	121873945	0	PTPRZ1	7:1215139	7	121513999
		7	137867513	-6998	(CREB3L2)_	7:1375522	7	137552259
		7	137868671	-5840	(CREB3L2)_	7:1375534	7	137553417
		7	137869352	-5159	(CREB3L2)_	7:1375540	7	137554098
		7	137870098	-4413	(CREB3L2)	7:1375548	7	137554843
		7	137870355	-4156	(CREB3L2)	7:1375551	7	137555101
		7	137873655	-856	(CREB3L2)	7:1375584	7	137558401
		7	137873823	-688	(CREB3L2)	7:1375585	7	137558569
CREB3L2	utr-variant-	7	137875053	0	CREB3L2	7:1375597	7	137559799
CREB3L2	utr-variant-	7	137875574	0	CREB3L2	7:1375603	7	137560320
CREB3L2	utr-variant-	7	137877115	0	CREB3L2	7:1375618	7	137561861
CREB3L2	utr-variant-	7	137877922	0	CREB3L2	7:1375626	7	137562668
CREB3L2	utr-variant-	7	137877998	0	CREB3L2	7:1375627	7	137562744

CREB3L2	utr-variant	7	137879334	0	CREB3L2	7:1375640	7	137564079
CREB3L2	intron-vari	7	137882097	0	CREB3L2	7:1375668	7	137566843
CREB3L2	intron-vari	7	137882340	0	CREB3L2	7:1375670	7	137567086
CNTNAP2	intron-vari	7	146387481	0	CNTNAP2	7:1460845	7	146084573
		7	151548889	-6727	(PRKAG2)_	7:1512459	7	151245975
EYA1	intron-vari	8	71495139	0	EYA1	8:7240737	8	72407374
		10	30595961	5443	(LOC10537	10:308848	10	30884890
		10	71140123	-70440	(UNC5B)_b	10:728998	10	72899880
		10	71180564	-29999	(UNC5B)_b	10:729403	10	72940321
		11	2212560	38429	(TH)_beyor	11:223379	11	2233790
		11	44956815	3537	(TP53I11)	11:449783	11	44978366
B3GNT4	reference	12	122207191	0	B3GNT4	12:122691	12	122691738
		13	38933702	-31730	(STOML3)_	13:395078	13	39507838
		13	38935627	-29805	(STOML3)_	13:395097	13	39509764
		13	38938397	-27035	(STOML3)_	13:395125	13	39512534
		13	70540075	-223710	(LOC10537	13:711142	13	71114207
LOC10537(	intron-vari	14	63140402	0	LOC10537(	14:636071	14	63607120
CCT6B	intron-vari	17	34953885	0	CCT6B	17:332809	17	33280904
		19	22263946	13936	(ZNF676)_l	19:224467	19	22446748
DGCR8	intron-vari	22	20108649	0	DGCR8	22:200961	22	20096172

rsid
rs7529792
rs11247731
rs12139137
rs11247734
rs7549174
rs12140070
rs2815708
rs141903187
rs150628667
rs546355
rs11247742
rs6661800
rs72658347
rs11247746
rs12144063
rs12144104
rs12740061
rs140602625
rs74378944
rs114138886
rs149776574
rs10937241
rs34311866
rs4690220
rs143396479
rs148187465
rs138102395
rs73281659
rs73281660
rs201693795

rs76687692
rs73281690
rs111558291
rs73339842
rs149724001
rs115580718

rs17150980

rs2109767

rs74755112

rs77810251

rs6966138

rs6965735

rs138601001

rs3757551

rs740965

rs75052642

rs28421417

rs74299062

rs57402658

rs137961339

rs10275839

rs10229720

rs6972144
rs73729083

rs57979055
rs73729085
rs73729087
rs3735018

rs148937028
rs73729089

rs55868765
rs73453125

rs56167574

rs10101067

rs116592443

rs115628664

rs77581804

rs79950627

rs183911507

rs4758675

rs199771018

rs148607412

rs4349029

rs190976513

rs182600360
rs62064821

rs60029395

rs7364132

Supplementary Table 27: eQTL analysis of Novel Associated Variants in Whole Blood from Framing

Results are drawn from linear models of the genotypes (coded additively) on residualized expression

Marker	SNP_Chr	SNP_Pos_hg19	Rs_ID	Analysis	NP_Fx_Alle	_Non_Fx_A	lP_Fx_Allele_Fr
1:28306250	1	28306250	rs7529792	Main Effect	C	T	0.71038
1:28309722	1	28309722	rs11247731	Main Effect	C	T	0.71117
1:28313606	1	28313606	rs12139137	Main Effect	C	T	0.71602
1:28313993	1	28313993	rs11247734	Main Effect	C	T	0.71602
1:28319484	1	28319484	rs7549174	Main Effect	A	G	0.71357
1:28335581	1	28335581	rs12140070	Main Effect	A	G	0.71431
1:28347491	1	28347491	rs2815708	Main Effect	C	T	0.71308
1:28360177	1	28360177	rs141903187	Main Effect	A	T	0.75342
1:28364156	1	28364156	rs546355	Main Effect	T	C	0.71115
1:28379130	1	28379130	rs11247742	Main Effect	C	T	0.71768
1:28380087	1	28380087	rs6661800	Main Effect	G	A	0.71768
1:28389310	1	28389310	rs72658347	Main Effect	C	G	0.71522
1:28389994	1	28389994	rs11247746	Main Effect	G	A	0.71568
1:28406047	1	28406047	rs12144063	Main Effect	G	T	0.71114
1:28406173	1	28406173	rs12144104	Main Effect	G	A	0.71118
1:28309722	1	28309722	rs11247731	Main Effect	C	T	0.71117
1:28319484	1	28319484	rs7549174	Main Effect	A	G	0.71357
1:28335581	1	28335581	rs12140070	Main Effect	A	G	0.71431
1:28347491	1	28347491	rs2815708	Main Effect	C	T	0.71308
1:28364156	1	28364156	rs546355	Main Effect	T	C	0.71115
1:28379130	1	28379130	rs11247742	Main Effect	C	T	0.71768
1:28380087	1	28380087	rs6661800	Main Effect	G	A	0.71768
1:28389310	1	28389310	rs72658347	Main Effect	C	G	0.71522
1:28406047	1	28406047	rs12144063	Main Effect	G	T	0.71114
1:28406173	1	28406173	rs12144104	Main Effect	G	A	0.71118
1:28319484	1	28319484	rs7549174	Main Effect	A	G	0.71357
1:28335581	1	28335581	rs12140070	Main Effect	A	G	0.71431
1:28347491	1	28347491	rs2815708	Main Effect	C	T	0.71308
1:28364156	1	28364156	rs546355	Main Effect	T	C	0.71115
1:28406047	1	28406047	rs12144063	Main Effect	G	T	0.71114
1:28406173	1	28406173	rs12144104	Main Effect	G	A	0.71118
1:28306250	1	28306250	rs7529792	Main Effect	C	T	0.71038
1:28309722	1	28309722	rs11247731	Main Effect	C	T	0.71117
1:28313606	1	28313606	rs12139137	Main Effect	C	T	0.71602
1:28313993	1	28313993	rs11247734	Main Effect	C	T	0.71602
1:28335581	1	28335581	rs12140070	Main Effect	A	G	0.71431
1:28347491	1	28347491	rs2815708	Main Effect	C	T	0.71308
1:28360180	1	28360180	rs34617430	Main Effect	A	T	0.75292
1:28364156	1	28364156	rs546355	Main Effect	T	C	0.71115
1:28389310	1	28389310	rs72658347	Main Effect	C	G	0.71522
1:28389994	1	28389994	rs11247746	Main Effect	G	A	0.71568
1:28306250	1	28306250	rs7529792	Main Effect	C	T	0.71038
1:28309722	1	28309722	rs11247731	Main Effect	C	T	0.71117
1:28313606	1	28313606	rs12139137	Main Effect	C	T	0.71602

1:28313993	1	28313993	rs11247734	Main Effect	C	T	0.71602
1:28319484	1	28319484	rs7549174	Main Effect	A	G	0.71357
1:28335581	1	28335581	rs12140070	Main Effect	A	G	0.71431
1:28347491	1	28347491	rs2815708	Main Effect	C	T	0.71308
1:28360177	1	28360177	rs141903187	Main Effect	A	T	0.75342
1:28360180	1	28360180	rs34617430	Main Effect	A	T	0.75292
1:28364156	1	28364156	rs546355	Main Effect	T	C	0.71115
1:28379130	1	28379130	rs11247742	Main Effect	C	T	0.71768
1:28380087	1	28380087	rs6661800	Main Effect	G	A	0.71768
1:28389310	1	28389310	rs72658347	Main Effect	C	G	0.71522
1:28389994	1	28389994	rs11247746	Main Effect	G	A	0.71568
1:28406047	1	28406047	rs12144063	Main Effect	G	T	0.71114
1:28406173	1	28406173	rs12144104	Main Effect	G	A	0.71118
1:69407810	1	69407810	rs12740061	1df	C	T	0.80525
2:86472455	2	86472455	rs149776574	1df/2df	C	G	0.94008
2:86472455	2	86472455	rs149776574	1df/2df	C	G	0.94008
2:86472455	2	86472455	rs149776574	1df/2df	C	G	0.94008
2:86472455	2	86472455	rs149776574	1df/2df	C	G	0.94008
3:185822774	3	185822774	rs10937241	Main Effect	G	A	0.81842
3:185822774	3	185822774	rs10937241	Main Effect	G	A	0.81842
4:951947	4	951947	rs34311866	Smoking Adju	T	C	0.86006
7:121496261	7	121496261	rs2109767	2df	T	C	0.85116
7:121499369	7	121499369	rs74755112	2df	G	C	0.85124
7:121513561	7	121513561	rs740965	2df	T	G	0.85127
7:121513999	7	121513999	rs75052642	2df	G	A	0.8514
7:121496261	7	121496261	rs2109767	2df	T	C	0.85116
7:121499369	7	121499369	rs74755112	2df	G	C	0.85124
7:121504149	7	121504149	rs77810251	2df	G	A	0.85087
7:121505837	7	121505837	rs6966138	2df	G	A	0.85153
7:121505847	7	121505847	rs6965735	2df	A	G	0.85152
7:121507435	7	121507435	rs138601001	2df	C	A	0.85122
7:121511088	7	121511088	rs3757551	2df	G	A	0.85126
7:121513561	7	121513561	rs740965	2df	T	G	0.85127
7:121513999	7	121513999	rs75052642	2df	G	A	0.8514
7:121496261	7	121496261	rs2109767	2df	T	C	0.85116
7:121499369	7	121499369	rs74755112	2df	G	C	0.85124
7:121504149	7	121504149	rs77810251	2df	G	A	0.85087
7:121505837	7	121505837	rs6966138	2df	G	A	0.85153
7:121505847	7	121505847	rs6965735	2df	A	G	0.85152
7:121507435	7	121507435	rs138601001	2df	C	A	0.85122
7:121511088	7	121511088	rs3757551	2df	G	A	0.85126
7:121513561	7	121513561	rs740965	2df	T	G	0.85127
7:121513999	7	121513999	rs75052642	2df	G	A	0.8514
8:72407374	8	72407374	rs10101067	Main Effect	G	C	0.92797
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498

17:33280904	17	33280904	rs62064821	1df	C	T	0.94498
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498
17:33280904	17	33280904	rs62064821	1df	C	T	0.94498

[1.] *Joehanes, R. et al. Integrated genome-wide analysis of expression quantitative trait loci aids interpretation o*

;ham Heart Study Participants

of transcripts in 5,527 individuals, as previously described [1] .

SNP_MAF	Imputation	ProbesetID	cript_Clust	anscript_Cl	nscript_Str	nscript_Start_h	anscript_Stop_hg1
0.28962	0.97002	3868799	3868799	19	-	51499270	51504965
0.28883	0.97425	3868799	3868799	19	-	51499270	51504965
0.28398	0.99679	3868799	3868799	19	-	51499270	51504965
0.28398	0.99682	3868799	3868799	19	-	51499270	51504965
0.28643	0.99935	3868799	3868799	19	-	51499270	51504965
0.28569	0.9953	3868799	3868799	19	-	51499270	51504965
0.28692	0.99111	3868799	3868799	19	-	51499270	51504965
0.24658	0.80599	3868799	3868799	19	-	51499270	51504965
0.28885	0.97837	3868799	3868799	19	-	51499270	51504965
0.28232	0.97727	3868799	3868799	19	-	51499270	51504965
0.28232	0.97736	3868799	3868799	19	-	51499270	51504965
0.28478	0.98658	3868799	3868799	19	-	51499270	51504965
0.28432	0.98763	3868799	3868799	19	-	51499270	51504965
0.28886	0.92477	3868799	3868799	19	-	51499270	51504965
0.28882	0.92427	3868799	3868799	19	-	51499270	51504965
0.28883	0.97425	3928538	3928538	21	-	31873962	31874408
0.28643	0.99935	3928538	3928538	21	-	31873962	31874408
0.28569	0.9953	3928538	3928538	21	-	31873962	31874408
0.28692	0.99111	3928538	3928538	21	-	31873962	31874408
0.28885	0.97837	3928538	3928538	21	-	31873962	31874408
0.28232	0.97727	3928538	3928538	21	-	31873962	31874408
0.28232	0.97736	3928538	3928538	21	-	31873962	31874408
0.28478	0.98658	3928538	3928538	21	-	31873962	31874408
0.28886	0.92477	3928538	3928538	21	-	31873962	31874408
0.28882	0.92427	3928538	3928538	21	-	31873962	31874408
0.28643	0.99935	2692883	2692883	3	-	124620498	124761758
0.28569	0.9953	2692883	2692883	3	-	124620498	124761758
0.28692	0.99111	2692883	2692883	3	-	124620498	124761758
0.28885	0.97837	2692883	2692883	3	-	124620498	124761758
0.28886	0.92477	2692883	2692883	3	-	124620498	124761758
0.28882	0.92427	2692883	2692883	3	-	124620498	124761758
0.28962	0.97002	3148871	3148871	8	-	110586207	110895736
0.28883	0.97425	3148871	3148871	8	-	110586207	110895736
0.28398	0.99679	3148871	3148871	8	-	110586207	110895736
0.28398	0.99682	3148871	3148871	8	-	110586207	110895736
0.28569	0.9953	3148871	3148871	8	-	110586207	110895736
0.28692	0.99111	3148871	3148871	8	-	110586207	110895736
0.24708	0.76336	3148871	3148871	8	-	110586207	110895736
0.28885	0.97837	3148871	3148871	8	-	110586207	110895736
0.28478	0.98658	3148871	3148871	8	-	110586207	110895736
0.28432	0.98763	3148871	3148871	8	-	110586207	110895736
0.28962	0.97002	2327283	2327283	1	+	28199083	28214208
0.28883	0.97425	2327283	2327283	1	+	28199083	28214208
0.28398	0.99679	2327283	2327283	1	+	28199083	28214208

0.28398	0.99682	2327283	2327283	1 +	28199083	28214208
0.28643	0.99935	2327283	2327283	1 +	28199083	28214208
0.28569	0.9953	2327283	2327283	1 +	28199083	28214208
0.28692	0.99111	2327283	2327283	1 +	28199083	28214208
0.24658	0.80599	2327283	2327283	1 +	28199083	28214208
0.24708	0.76336	2327283	2327283	1 +	28199083	28214208
0.28885	0.97837	2327283	2327283	1 +	28199083	28214208
0.28232	0.97727	2327283	2327283	1 +	28199083	28214208
0.28232	0.97736	2327283	2327283	1 +	28199083	28214208
0.28478	0.98658	2327283	2327283	1 +	28199083	28214208
0.28432	0.98763	2327283	2327283	1 +	28199083	28214208
0.28886	0.92477	2327283	2327283	1 +	28199083	28214208
0.28882	0.92427	2327283	2327283	1 +	28199083	28214208
0.19475	0.37749	2318338	2318338	1 +	6594521	6639817
0.05992	0.63208	2562605	2562605	2 -	86249686	86332998
0.05992	0.63208	3559766	3559766	14 -	31789327	31789874
0.05992	0.63208	3855104	3855104	19 -	18683060	18723293
0.05992	0.63208	3438527	3438527	12 +	132379204	132407696
0.18158	0.90233	2709132	2709132	3 -	185763453	185826877
0.18158	0.90233	3331692	3331692	11 +	57982201	57983194
0.13994	0.71473	2879028	2879028	5 -	141380242	141411534
0.14884	0.99138	3559936	3559936	14 -	32519262	32550996
0.14876	0.99241	3559936	3559936	14 -	32519262	32550996
0.14873	0.99765	2920962	2920962	6 +	110012468	110146627
0.1486	0.99907	2920962	2920962	6 +	110012468	110146627
0.14884	0.99138	2507896	2507896	2 +	138702879	138773053
0.14876	0.99241	2507896	2507896	2 +	138702879	138773053
0.14913	0.99284	2507896	2507896	2 +	138702879	138773053
0.14847	0.99301	2507896	2507896	2 +	138702879	138773053
0.14848	0.99307	2507896	2507896	2 +	138702879	138773053
0.14878	0.99515	2507896	2507896	2 +	138702879	138773053
0.14874	0.99681	2507896	2507896	2 +	138702879	138773053
0.14873	0.99765	2507896	2507896	2 +	138702879	138773053
0.1486	0.99907	2507896	2507896	2 +	138702879	138773053
0.14884	0.99138	3871406	3871406	19 -	55875755	55881814
0.14876	0.99241	3871406	3871406	19 -	55875755	55881814
0.14913	0.99284	3871406	3871406	19 -	55875755	55881814
0.14847	0.99301	3871406	3871406	19 -	55875755	55881814
0.14848	0.99307	3871406	3871406	19 -	55875755	55881814
0.14878	0.99515	3871406	3871406	19 -	55875755	55881814
0.14874	0.99681	3871406	3871406	19 -	55875755	55881814
0.14873	0.99765	3871406	3871406	19 -	55875755	55881814
0.1486	0.99907	3871406	3871406	19 -	55875755	55881814
0.07203	0.97661	2941757	2941757	6 -	11102724	11170526
0.05502	0.8883	3718555	3718555	17 +	33569987	33597215
0.05502	0.8883	3718401	3718401	17 +	33300618	33337760
0.05502	0.8883	3753288	3753288	17 -	33039936	33288518

0.05502	0.8883	2735073	2735073	4	+	88486714	88569467
0.05502	0.8883	3557017	3557017	14	-	23455803	23479355
0.05502	0.8883	2748605	2748605	4	+	155618390	155703168
0.05502	0.8883	2435005	2435005	1	-	151336798	151345169

of genomic association studies. Genome Biology 18, 16 (2017

Transcript_GeneSymbol	Is_Cis	RSq	Fx	T-statistic	log10P	log10FDR
KLK8|KLK9	0	0.003218	-0.01259	-4.11042	-4.39687	0
KLK8|KLK9	0	0.003163	-0.01247	-4.0749	-4.33053	0
KLK8|KLK9	0	0.003087	-0.01224	-4.02527	-4.23871	0
KLK8|KLK9	0	0.003086	-0.01224	-4.02468	-4.23764	0
KLK8|KLK9	0	0.003092	-0.0122	-4.02877	-4.24515	0
KLK8|KLK9	0	0.003213	-0.01248	-4.10709	-4.39064	0
KLK8|KLK9	0	0.003185	-0.01243	-4.08885	-4.35652	0
KLK8|KLK9	0	0.00292	-0.01397	-3.91442	-4.03729	0
KLK8|KLK9	0	0.003149	-0.01241	-4.06558	-4.31322	0
KLK8|KLK9	0	0.003163	-0.01254	-4.07473	-4.33023	0
KLK8|KLK9	0	0.003164	-0.01254	-4.07576	-4.33214	0
KLK8|KLK9	0	0.003181	-0.01249	-4.08642	-4.352	0
KLK8|KLK9	0	0.003191	-0.01251	-4.09294	-4.36416	0
KLK8|KLK9	0	0.003315	-0.01313	-4.17187	-4.51286	0
KLK8|KLK9	0	0.003313	-0.01313	-4.17071	-4.51066	0
KRTAP19-5	0	0.002893	-0.04438	-3.89636	-4.00494	0
KRTAP19-5	0	0.003246	-0.04655	-4.12804	-4.42998	0
KRTAP19-5	0	0.003296	-0.04707	-4.1602	-4.49071	0
KRTAP19-5	0	0.003285	-0.047	-4.15304	-4.47715	0
KRTAP19-5	0	0.003272	-0.04709	-4.14463	-4.46125	0
KRTAP19-5	0	0.002949	-0.04506	-3.93422	-4.0729	0
KRTAP19-5	0	0.002949	-0.04506	-3.93432	-4.07308	0
KRTAP19-5	0	0.002904	-0.04443	-3.90372	-4.01811	0
KRTAP19-5	0	0.00336	-0.04922	-4.20045	-4.56733	-0.00232
KRTAP19-5	0	0.003364	-0.04926	-4.20251	-4.57127	-0.00295
MUC13	0	0.003104	-0.01062	-4.03681	-4.25998	0
MUC13	0	0.003025	-0.01052	-3.9848	-4.1646	0
MUC13	0	0.002999	-0.01047	-3.96719	-4.13254	0
MUC13	0	0.00293	-0.0104	-3.92148	-4.04997	0
MUC13	0	0.002961	-0.01078	-3.94192	-4.08678	0
MUC13	0	0.002959	-0.01078	-3.94103	-4.08518	0
SYBU	0	0.0029	-0.01102	-3.90104	-4.01331	0
SYBU	0	0.002894	-0.01099	-3.89736	-4.00673	0
SYBU	0	0.002937	-0.01101	-3.92614	-4.05834	0
SYBU	0	0.002937	-0.01101	-3.92598	-4.05805	0
SYBU	0	0.002986	-0.0111	-3.95912	-4.1179	0
SYBU	0	0.002943	-0.01102	-3.93035	-4.06592	0
SYBU	0	0.002989	-0.01338	-3.96078	-4.12091	0
SYBU	0	0.002911	-0.011	-3.90872	-4.02706	0
SYBU	0	0.002918	-0.01103	-3.91325	-4.03518	0
SYBU	0	0.002924	-0.01104	-3.91752	-4.04286	0
C1orf38	1	0.011932	-0.01624	-7.94955	-14.6429	-12.7857
C1orf38	1	0.011837	-0.01615	-7.91755	-14.5323	-12.6781
C1orf38	1	0.012557	-0.01653	-8.15752	-15.3722	-13.4963

C1orf38	1	0.012554	-0.01653	-8.15654	-15.3687	-13.4929
C1orf38	1	0.011366	-0.01567	-7.75632	-13.9814	-12.1419
C1orf38	1	0.011452	-0.01578	-7.78605	-14.0821	-12.24
C1orf38	1	0.011446	-0.01578	-7.7841	-14.0755	-12.2335
C1orf38	1	0.011037	-0.01819	-7.64213	-13.5977	-11.7685
C1orf38	1	0.010484	-0.0182	-7.44595	-12.951	-11.1403
C1orf38	1	0.011649	-0.01599	-7.85352	-14.3122	-12.4641
C1orf38	1	0.012866	-0.01693	-8.2588	-15.7338	-13.8488
C1orf38	1	0.012866	-0.01693	-8.25862	-15.7331	-13.8482
C1orf38	1	0.012229	-0.0164	-8.04896	-14.9893	-13.123
C1orf38	1	0.012229	-0.01641	-8.04895	-14.9893	-13.123
C1orf38	1	0.011273	-0.01622	-7.72417	-13.8728	-12.0363
C1orf38	1	0.011274	-0.01622	-7.72451	-13.8739	-12.0374
TAS1R1	0	0.003121	-0.01942	-4.04776	-4.2802	0
POLR1A	1	0.004131	-0.01948	-4.65884	-5.48695	-3.98957
	0	0.00395	-0.17624	-4.55536	-5.27177	-0.19542
CRLF1|UBA52|C19orf60	0	0.003776	0.023616	4.453797	-5.06489	-0.11923
ULK1	0	0.003047	-0.0135	-3.99895	-4.19044	0
ETV5	1	0.009269	-0.03378	-6.99687	-11.5307	-9.76347
	0	0.003421	0.053684	4.238488	-4.64035	-0.01472
GNPDA1	0	0.003153	0.018739	4.068409	-4.31847	0
ARHGAP5-AS1	0	0.002906	-0.01993	-3.90507	-4.02053	0
ARHGAP5-AS1	0	0.002904	-0.01991	-3.90407	-4.01874	0
FIG4	0	0.002896	0.011472	3.898535	-4.00883	0
FIG4	0	0.002904	0.011483	3.903863	-4.01836	0
HNMT	0	0.003311	-0.02003	-4.16945	-4.50826	0
HNMT	0	0.003315	-0.02004	-4.17192	-4.51296	0
HNMT	0	0.003291	-0.01993	-4.15692	-4.4845	0
HNMT	0	0.00331	-0.02001	-4.16859	-4.50662	0
HNMT	0	0.003308	-0.02	-4.16724	-4.50407	0
HNMT	0	0.003337	-0.02003	-4.18563	-4.53904	0
HNMT	0	0.003273	-0.01982	-4.14506	-4.46207	0
HNMT	0	0.003224	-0.01966	-4.11413	-4.40383	0
HNMT	0	0.003199	-0.01958	-4.09785	-4.37333	0
IL11	0	0.003009	0.015239	3.974071	-4.14505	0
IL11	0	0.003008	0.015232	3.973527	-4.14406	0
IL11	0	0.002966	0.015092	3.945471	-4.0932	0
IL11	0	0.003052	0.01533	4.002808	-4.19749	0
IL11	0	0.003053	0.01533	4.002917	-4.19769	0
IL11	0	0.003006	0.015172	3.97215	-4.14156	0
IL11	0	0.003012	0.015174	3.976401	-4.14929	0
IL11	0	0.003024	0.015194	3.984104	-4.16332	0
IL11	0	0.003033	0.015209	3.989674	-4.17349	0
ERVFRD-1	0	0.003356	0.027896	4.197687	-4.56205	-0.00157
SLFN5	1	0.008787	-0.03502	-6.81114	-10.9677	-9.21911
LIG3|RFFL|RAD51L3-RFFL	1	0.005192	-0.02751	-5.22614	-6.74519	-5.17399
CCT6B	1	0.005181	0.046076	5.220265	-6.73149	-5.16101

DSPP	0	0.003197	0.025753	4.096614	-4.37103	0
C14orf93	0	0.003049	-0.02466	-4.00031	-4.19292	0
LRAT	0	0.003003	-0.02781	-3.96985	-4.13738	0
SELENBP1	0	0.002921	0.026298	3.915271	-4.03881	0

Supplementary Table 28: DEPICT gene prioritization results for the genome-wide significant (P2df < 5e-8) HDL-cholesterol loci

The gene prioritization P values of genes harboring identified loci are based on a score test that infers the correlation of their reconstitute
DEPICT), and corrects for bias from, e.g., gene length, by normalizing their similarity score distribution to 1,000 random gene-density matc
rates (FDR) are obtained from repeating the correlation and bias adjustment 50 times based on top SNPs from the 500 pre-computed null

Locus	Nr of genes in locus	Chromosome and position	GWAS P value	GWAS n	Ensembl gene ID	Gene symbol
rs2315129;rs7759633	2	chr6:160952515-161174338	1.31E-21	377,249	ENSG00000198	LPA
rs2575876;rs4149307;rs13301006;rs	2	chr9:107543283-107691173	1.63E-148	379,027	ENSG00000165	ABCA1
rs3760782;rs34757881;rs7252293;rs	3	chr19:11274944-11373157	1.62E-59	350,471	ENSG00000130	C19orf80
rs11974409	5	chr7:72848109-73038873	3.53E-34	382,021	ENSG00000009	MLXIPL
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000141	CTRL
rs66511580	1	chr7:79998891-80308593	6.34E-21	135,773	ENSG00000135	CD36
rs75566930;rs4783953;rs3859113;rs	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG00000205	MT1H
rs1559828;rs147837458	5	chr1:93544792-93828149	1.09E-26	372,442	ENSG00000117	TMED5
rs67053123;rs921919;rs10773112;rs	1	chr12:125261606-125367214	6.10E-49	358,223	ENSG00000073	SCARB1
rs1779809	1	chr1:182350839-182361341	8.51E-20	378,110	ENSG00000135	GLUL
rs11967262	1	chr6:43737921-43754224	5.79E-27	370,594	ENSG00000112	VEGFA
rs10899133	4	chr11:75469500-75854239	1.80E-24	371,845	ENSG00000062	DGAT2
rs12976739	2	chr19:8429011-8469313	5.90E-26	369,014	ENSG00000167	ANGPTL4
rs662799;rs61905084;rs61905116;rs	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG00000110	APOA5
rs10127775	1	chr1:230193536-230417870	4.30E-55	360,288	ENSG00000143	GALNT2
rs2315129;rs7759633	2	chr6:160952515-161174338	1.31E-21	377,249	ENSG00000122	PLG
rs429358;rs7412;rs11668327;rs6859;	5	chr19:45312338-45422606	5.15E-121	332,648	ENSG00000130	APOC1
rs117199990;rs894210;rs6586886;rs	1	chr8:19759228-19824770	0.00E+00	366,818	ENSG00000175	LPL
rs2262194;rs7314976	1	chr12:123104824-123215390	7.00E-21	223,765	ENSG00000196	HCAR1
rs2255400;rs12413488	2	chr10:113909624-114064793	2.73E-32	377,483	ENSG00000119	GPAM
rs117427818;rs12920974;rs1107617	5	chr16:56764037-57117443	3.61E-306	189,428	ENSG00000087	CETP
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000213	LCAT
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG00000254	OR4A21P
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000180	F2

rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG000001648	GPR146
rs2156552;rs9958734;rs73959582;rs1	4	chr18:46570172-47119278	1.66E-115	382,033	ENSG00000101(	LIPG
rs112201728	2	chr6:160390131-160579750	4.10E-10	270,673	ENSG00000175(	SLC22A1
rs117427818;rs12920974;rs1107617	5	chr16:56764037-57117443	3.61E-306	189,428	ENSG000000511	HERPUD1
rs62117205	1	chr19:45250962-45263301	6.61E-18	180,892	ENSG000000693	BCL3
rs236984	2	chr4:87856154-88141760	1.69E-14	377,085	ENSG000001724	AFF1
rs174418;rs588136;rs75663614;rs11	1	chr15:58702768-58861151	4.14E-307	368,699	ENSG00000166(	LIPC
rs429358;rs7412;rs11668327;rs6859;	5	chr19:45312338-45422606	5.15E-121	332,648	ENSG000001302	APOE
rs10744826	5	chr12:109826524-110035067	7.17E-26	376,969	ENSG000001394	MMAB
rs12965067;rs524925;rs1787328;rs1	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG000001673	ACAA2
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001345	ACP2
rs5167;rs117261169	3	chr19:45445495-45541452	9.10E-46	343,976	ENSG000002249	APOC4
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001616	CD300LG
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001616	NAGS
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001088	PPY
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001102	APOC3
rs78471630	3	chr11:126173647-126310239	2.75E-14	321,728	ENSG000001100	ST3GAL4
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001181	APOA1
rs9935936	5	chr16:56225302-56554008	5.30E-13	225,038	ENSG000001594	AMFR
rs676210;rs55938327;rs12997242;rs4	1	chr2:21224301-21266945	5.29E-67	380,005	ENSG000000846	APOB
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001102	APOA4
rs174562	4	chr11:61520114-61647626	1.41E-50	372,315	ENSG000001348	FADS2
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000000254	NR1H3
rs77170318	3	chr22:30279144-31521442	3.63E-09	363,737	ENSG000001334	SEC14L4
rs1373068	1	chr17:66863433-66951533	1.50E-16	377,778	ENSG000001413	ABCA8
rs429358;rs7412;rs11668327;rs6859;	5	chr19:45312338-45422606	5.15E-121	332,648	ENSG000001302	PVRL2
rs4821767	2	chr22:38507502-38612518	9.39E-09	222,473	ENSG00000185(	MAFF
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001495	SIDT2
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000000663	SPI1
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001597	PSKH1
rs174562	4	chr11:61520114-61647626	1.41E-50	372,315	ENSG000001494	FADS1
rs1047891	1	chr2:211342406-211543831	1.42E-16	372,848	ENSG000000218	CPS1
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001345	MYBPC3

rs78471630	3	chr11:126173647-126310239	2.75E-14	321,728	ENSG000002474	-
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001251	C16orf70
rs1800961	1	chr20:42984340-43060030	6.79E-72	289,707	ENSG00000101(	HNF4A
rs5167;rs117261169	3	chr19:45445495-45541452	9.10E-46	343,976	ENSG000001048	CLPTM1
rs7247412	1	chr19:52298411-52329334	1.12E-15	375,146	ENSG000001874	FPR3
rs686030	1	chr9:15170843-15307358	6.79E-38	235,637	ENSG000001551	TTC39B
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000001319	NR0B2
rs367070	2	chr19:54777675-54809952	2.32E-61	367,238	ENSG000001708	LILRA3
rs7924036	3	chr10:64893050-65384883	2.76E-12	373,433	ENSG000001485	NRBF2
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001491	PTPRJ
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000103(	PLA2G15
rs58301047	1	chr8:144295068-144299044	3.47E-16	309,418	ENSG000001828	GPIHBP1
rs367070	2	chr19:54777675-54809952	2.32E-61	367,238	ENSG00000131(	LILRB2
rs4810479;rs6104410	3	chr20:44527399-44600833	1.74E-63	384,302	ENSG000001009	PLTP
rs75566930;rs4783953;rs3859113;rs2	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG000001871	MT1X
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001605	SIK3
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000002362	-
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000103(	ESRP2
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000002052	E2F4
rs3760782;rs34757881;rs7252293;rs2	3	chr19:11274944-11373157	1.62E-59	350,471	ENSG000001301	DOCK6
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG000001309	C12orf65
rs6074009	2	chr20:44689624-44758502	2.28E-09	371,015	ENSG00000101(	CD40
rs5025813	1	chr4:26165077-26436541	1.03E-08	229,961	ENSG000001682	RBPJ
rs4810479;rs6104410	3	chr20:44527399-44600833	1.74E-63	384,302	ENSG00000198(	ZNF335
rs2085755	4	chr17:45400656-45789427	6.54E-10	374,550	ENSG000001412	NPEPPS
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001357	FHOD1
rs12144063	2	chr1:28285973-28415207	1.25E-10	375,418	ENSG000001581	EYA3
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG000001839	SETD8
rs75566930;rs4783953;rs3859113;rs2	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG000001251	MT1G
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000000606	PIGV
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001104	AMBRA1
rs4351435;rs6470361;rs13273592	1	chr8:126442563-126450647	1.38E-59	375,955	ENSG000001733	TRIB1
rs10744826	5	chr12:109826524-110035067	7.17E-26	376,969	ENSG000001109	MVK

rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001672	DPEP2
rs75566930;rs4783953;rs3859113;rs2	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG000002053	MT1M
rs114379959	4	chr3:58223233-58488087	1.94E-11	7,756	ENSG000001636	ABHD6
rs1920792	3	chr12:121416346-121477045	2.90E-10	379,943	ENSG000001351	OASL
rs11657865	1	chr17:76374735-76420635	7.78E-32	375,016	ENSG000000871	PGS1
rs12144063	2	chr1:28285973-28415207	1.25E-10	375,418	ENSG000001581	XKR8
rs12976739	2	chr19:8429011-8469313	5.90E-26	369,014	ENSG000001852	RAB11B
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG000000886	COQ9
rs2255400;rs12413488	2	chr10:113909624-114064793	2.73E-32	377,483	ENSG000001199	TECTB
rs5167;rs117261169	3	chr19:45445495-45541452	9.10E-46	343,976	ENSG000001048	RELB
rs2389858	1	chr7:17832466-17980130	7.14E-24	373,304	ENSG000000711	SNX13
rs1128249	1	chr2:165510134-165700189	4.30E-23	237,073	ENSG000000824	COBLL1
rs4810479;rs6104410	3	chr20:44527399-44600833	1.74E-63	384,302	ENSG000001009	PCIF1
rs75566930;rs4783953;rs3859113;rs2	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG000001697	MT1E
rs429358;rs7412;rs11668327;rs6859;	5	chr19:45312338-45422606	5.15E-121	332,648	ENSG000001872	BCAM
rs4821767	2	chr22:38507502-38612518	9.39E-09	222,473	ENSG000001843	PLA2G6
rs607342	1	chr6:139693393-139695757	1.73E-16	223,057	ENSG000001644	CITED2
rs77170318	3	chr22:30279144-31521442	3.63E-09	363,737	ENSG000001003	MTMR3
rs12965067;rs524925;rs1787328;rs14	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG000001416	MBD1
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001240	SLC12A4
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG000001029	CCL22
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000000727	NFATC3
rs114379959	4	chr3:58223233-58488087	1.94E-11	7,756	ENSG000001682	PDHB
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001594	UBR1
rs3760782;rs34757881;rs7252293;rs2	3	chr19:11274944-11373157	1.62E-59	350,471	ENSG000001972	KANK2
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001417	GRB7
rs2624817	4	chr3:49924435-50156454	9.50E-10	370,393	ENSG000000037	RBM5
rs2489623	1	chr6:127439749-127518910	2.70E-18	379,250	ENSG000001463	RSPO3
rs112201728	2	chr6:160390131-160579750	4.10E-10	270,673	ENSG000001970	IGF2R
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001752	ARHGAP1
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001495	TAGLN
rs2085755	4	chr17:45400656-45789427	6.54E-10	374,550	ENSG000001788	C17orf57
rs201871983	1	chr7:26331541-26413949	1.23E-08	222,892	ENSG000000863	SNX10

rs114379959	4	chr3:58223233-58488087	1.94E-11	7,756	ENSG000001682	PXK
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG00000161(	LSM12
rs1920792	3	chr12:121416346-121477045	2.90E-10	379,943	ENSG000001351	HNF1A
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG00000125(	MED1
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000001177	ARID1A
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001613	PGAP3
rs6074009	2	chr20:44689624-44758502	2.28E-09	371,015	ENSG000001241	NCOA5
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000002266	-
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001105	PTPMT1
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG00000102(	CCL17
rs10744826	5	chr12:109826524-110035067	7.17E-26	376,969	ENSG000001745	MYO1H
rs923764;rs2006476	1	chr8:19261672-19615540	4.62E-15	231,191	ENSG000001474	CSGALNACT1
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001672	CDK12
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG00000179(	EXOC3L1
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001376	BUD13
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG00000229(	-
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG000001396	SBNO1
rs10899133	4	chr11:75469500-75854239	1.80E-24	371,845	ENSG000001983	UVRAG
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG000001783	ZFAND2A
rs7924036	3	chr10:64893050-65384883	2.76E-12	373,433	ENSG000001654	REEP3
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001752	ATG13
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001088	DUSP3
rs190543502;rs138570705;rs151291(	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001687	PPIP5K1
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG00000090(	PITPNM2
rs2925979	1	chr16:81478775-81745367	6.52E-42	373,185	ENSG000001538	CMIP
rs75566930;rs4783953;rs3859113;rs2	6	chr16:56659387-56718108	1.73E-29	338,764	ENSG000001984	MT1F
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG00000067(	CBFB
rs1373570	1	chr12:20522179-20837315	8.51E-13	375,903	ENSG000001725	PDE3A
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001659	SLC39A13
rs190543502;rs138570705;rs151291(	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001795	-
rs12965067;rs524925;rs1787328;rs14	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG000001548	CXXC1
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000002041	ZDHHC18
rs5754217	4	chr22:21903736-21998587	4.12E-36	366,349	ENSG000001856	UBE2L3

rs11974409	5	chr7:72848109-73038873	3.53E-34	382,021	ENSG000001066	BCL7B
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000000383	EDC4
rs11974409	5	chr7:72848109-73038873	3.53E-34	382,021	ENSG00000009	BAZ1B
rs111843362;rs4784775	3	chr16:57126506-57274386	3.04E-18	218,696	ENSG000001595	RSPRY1
rs77170318	3	chr22:30279144-31521442	3.63E-09	363,737	ENSG000001811	-
rs1559828;rs147837458	5	chr1:93544792-93828149	1.09E-26	372,442	ENSG000001175	DR1
rs11974409	5	chr7:72848109-73038873	3.53E-34	382,021	ENSG000001066	TBL2
rs10744826	5	chr12:109826524-110035067	7.17E-26	376,969	ENSG000001511	UBE3B
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001410	RANBP10
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001679	SOST
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001606	PCSK7
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001028	TRADD
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001739	TCAP
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG000000062	CX3CL1
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001083	FBXL20
rs10744826	5	chr12:109826524-110035067	7.17E-26	376,969	ENSG000001109	KCTD10
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001099	FNBP4
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001030	SLC7A6
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001105	MADD
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001659	PACSIN3
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG000002402	COX19
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001682	THAP11
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000001757	SFN
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001491	ARFGAP2
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG000001680	PAFAH1B2
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001669	EPB42
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001099	MTCH2
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001728	CES4A
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001491	CELF1
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001804	HARBI1
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001417	PNMT
rs7924036	3	chr10:64893050-65384883	2.76E-12	373,433	ENSG000001719	JMJD1C
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001088	HDAC5

rs5754217	4	chr22:21903736-21998587	4.12E-36	366,349	ENSG000001282	SDF2L1
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001378	TMEM62
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000165	AGBL2
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001752	CKAP5
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001377	CTDSPL2
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG00000102	ELMO3
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000167	PDIA3
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000002052	PSMB10
rs2624817	4	chr3:49924435-50156454	9.50E-10	370,393	ENSG000000045	RBM6
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG000001417	ERBB2
rs2624817	4	chr3:49924435-50156454	9.50E-10	370,393	ENSG00000164	MON1A
rs174562	4	chr11:61520114-61647626	1.41E-50	372,315	ENSG00000124	C11orf9
rs4841132;rs7012637;rs2199403	1	chr8:9106927-9271224	1.14E-96	340,807	ENSG000002542	-
rs10899133	4	chr11:75469500-75854239	1.80E-24	371,845	ENSG000002555	-
rs619772	2	chr11:117103341-117186975	9.87E-11	366,169	ENSG000001863	BACE1
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001597	C16orf86
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001041	SPG11
rs4418728	1	chr10:94833232-94837647	4.85E-18	368,933	ENSG000000955	CYP26A1
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001718	FRMD5
rs111843362;rs4784775	3	chr16:57126506-57274386	3.04E-18	218,696	ENSG000001408	CPNE2
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000103	SLC7A6OS
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001402	ZSCAN29
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000102	ACD
rs2156552;rs9958734;rs73959582;rs1	4	chr18:46570172-47119278	1.66E-115	382,033	ENSG00000202	SNORD58C
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001961	PLEKHG4
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000002371	B3GNT9
rs2085755	4	chr17:45400656-45789427	6.54E-10	374,550	ENSG00000198	TBKBP1
rs2085755	4	chr17:45400656-45789427	6.54E-10	374,550	ENSG000001084	KPNB1
rs117427818;rs12920974;rs1107617	5	chr16:56764037-57117443	3.61E-306	189,428	ENSG00000070	SLC12A3
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG000001427	GPN2
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG00000102	POLR2C
rs1559828;rs147837458	5	chr1:93544792-93828149	1.09E-26	372,442	ENSG00000143	MTF2
rs7817452	1	chr8:9413424-9639856	1.65E-08	231,055	ENSG000001732	TNKS

rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000165	PSMC3
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG00000131	PYY
rs429358;rs7412;rs11668327;rs6859;	5	chr19:45312338-45422606	5.15E-121	332,648	ENSG00000130	TOMM40
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000182	DDX28
rs117427818;rs12920974;rs1107617	5	chr16:56764037-57117443	3.61E-306	189,428	ENSG00000102	NUP93
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000123	KBTBD4
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000213	NDUFS3
rs2624817	4	chr3:49924435-50156454	9.50E-10	370,393	ENSG00000164	MST1R
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000167	DUS2L
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000140	MFAP1
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000067	TP53BP1
rs236984	2	chr4:87856154-88141760	1.69E-14	377,085	ENSG00000145	KLHL8
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG00000146	C7orf50
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG00000141	MIEN1
rs662799;rs61905084;rs61905116;rs1	13	chr11:116618886-117103241	1.30E-229	370,795	ENSG00000109	ZNF259
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG00000073	CYP2W1
rs2156552;rs9958734;rs73959582;rs1	4	chr18:46570172-47119278	1.66E-115	382,033	ENSG00000177	C18orf32
rs6809651	2	chr3:185764097-186080026	2.80E-13	369,009	ENSG00000244	ETV5
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG00000131	PPP1R1B
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000102	CENPT
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000166	CATSPER2
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000132	PRMT7
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000102	NUTF2
rs326222;rs12419692;rs4491174;rs11	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000254	OR4A1P
rs12965067;rs524925;rs1787328;rs14	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG00000154	SKA1
rs2156552;rs9958734;rs73959582;rs1	4	chr18:46570172-47119278	1.66E-115	382,033	ENSG00000141	DYM
rs9935936	5	chr16:56225302-56554008	5.30E-13	225,038	ENSG00000087	OGFOD1
rs11057412;rs12422529;rs3867146	3	chr12:124247042-124499974	2.77E-30	358,390	ENSG00000179	ZNF664
rs11974409	5	chr7:72848109-73038873	3.53E-34	382,021	ENSG00000188	FZD9
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG00000102	HSF4
rs79808627	7	chr7:938415-1204903	1.99E-09	227,993	ENSG00000164	GPER
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000092	WDR76
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG00000168	KCTD19

rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG000000051	CIAPIN1
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001041	EIF3J
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000166	CCNDBP1
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001413	G6PC3
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG000001249	SPRYD5
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001752	ZNF408
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001378	TUBGCP4
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG000001678	OR5I1
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000000300	NUP160
rs78471630	3	chr11:126173647-126310239	2.75E-14	321,728	ENSG000001100	DCPS
rs73052102	4	chr19:52430688-52531680	2.07E-08	229,961	ENSG000001760	ZNF613
rs11057412;rs12422529;rs3867146	3	chr12:124247042-124499974	2.77E-30	358,390	ENSG000001976	DNAH10
rs9935936	5	chr16:56225302-56554008	5.30E-13	225,038	ENSG000001670	NUDT21
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG000000518	MPHOSPH9
rs11057412;rs12422529;rs3867146	3	chr12:124247042-124499974	2.77E-30	358,390	ENSG000001192	CCDC92
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001597	RLTPR
rs78226669;rs4244456;rs28585593	1	chr8:19674651-19709594	1.29E-27	226,182	ENSG000001046	INTS10
rs9935936	5	chr16:56225302-56554008	5.30E-13	225,038	ENSG000001251	BBS2
rs117427818;rs12920974;rs1107617	5	chr16:56764037-57117443	3.61E-306	189,428	ENSG000001408	NLRC5
rs111843362;rs4784775	3	chr16:57126506-57274386	3.04E-18	218,696	ENSG000001727	FAM192A
rs2293476	4	chr1:39546988-40011859	7.89E-28	374,193	ENSG000001836	BMP8A
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG000001812	-
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG000001749	OR5J2
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001288	TTBK2
rs619772	2	chr11:117103341-117186975	9.87E-11	366,169	ENSG000001672	RNF214
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001687	TMEM208
rs1559828;rs147837458	5	chr1:93544792-93828149	1.09E-26	372,442	ENSG000001224	CCDC18
rs2293476	4	chr1:39546988-40011859	7.89E-28	374,193	ENSG000002551	KIAA0754
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000002312	C17orf105
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001345	LRP4
rs2293476	4	chr1:39546988-40011859	7.89E-28	374,193	ENSG000001276	MACF1
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001410	GFOD2
rs12965067;rs524925;rs1787328;rs1	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG000001723	CCDC11

rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG00000161	MPP3
rs223828	7	chr16:57392684-57520402	1.08E-09	221,287	ENSG000001251	DOK4
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000102	TSNAXIP1
rs1920792	3	chr12:121416346-121477045	2.90E-10	379,943	ENSG00000157	C12orf43
rs73052102	4	chr19:52430688-52531680	2.07E-08	229,961	ENSG00000142	ZNF614
rs34311866	1	chr4:926175-952444	1.57E-09	351,489	ENSG00000127	TMEM175
rs2884366	1	chr8:116420724-116821899	1.29E-26	374,365	ENSG00000104	TRPS1
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000168	ADAL
rs174562	4	chr11:61520114-61647626	1.41E-50	372,315	ENSG00000168	FEN1
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000256	-
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG00000091	TMEM101
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG00000253	TRNP1
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000103	SMPD3
rs73052102	4	chr19:52430688-52531680	2.07E-08	229,961	ENSG00000256	ZNF350
rs34716450	8	chr1:27022524-27327147	1.85E-23	289,034	ENSG00000175	C1orf172
rs77810251	1	chr7:121513143-121702090	1.24E-09	24,253	ENSG00000106	PTPRZ1
rs12740061	1	chr1:68939835-68962904	2.43E-08	16,606	ENSG00000024	DEPDC1
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001251	LRRC29
rs7528419;rs41279716	1	chr1:109792641-109818377	1.75E-29	377,096	ENSG000001431	CELSR2
rs10899133	4	chr11:75469500-75854239	1.80E-24	371,845	ENSG00000247	-
rs114379959	4	chr3:58223233-58488087	1.94E-11	7,756	ENSG00000168	KCTD6
rs1559828;rs147837458	5	chr1:93544792-93828149	1.09E-26	372,442	ENSG00000223	-
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000168	LCMT2
rs881844	11	chr17:37408897-37903545	6.79E-31	378,782	ENSG00000171	NEUROD2
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG00000134	DDB2
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001961	KIAA0895L
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000104	TGM5
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000242	STRC
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG00000159	TGM7
rs5754217	4	chr22:21903736-21998587	4.12E-36	366,349	ENSG000001611	YDJC
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000124	C16orf48
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG00000141	DPEP3
rs12965067;rs524925;rs1787328;rs1	6	chr18:47309869-47920543	2.82E-50	376,648	ENSG00000167	MYO5B

rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001667	CASC4
rs9935936	5	chr16:56225302-56554008	5.30E-13	225,038	ENSG000000872	GNAO1
rs2293476	4	chr1:39546988-40011859	7.89E-28	374,193	ENSG000001821	-
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001722	C1QTNF4
rs11229777;rs4939043	6	chr11:55277217-56543682	3.72E-20	224,674	ENSG00000205(	OR5L2
rs6809651	2	chr3:185764097-186080026	2.80E-13	369,009	ENSG000000588	DGKG
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001409	NOL3
rs4759377	6	chr12:123405498-123893905	4.54E-31	370,354	ENSG000001509	ABCB9
rs190543502;rs138570705;rs151291	25	chr15:43036550-44955876	6.17E-36	230,412	ENSG000001669	MAP1A
rs9932087	17	chr16:67022573-67360661	2.72E-17	288,088	ENSG000001357	SLC9A5
rs149580368	13	chr17:41831103-42201014	5.06E-47	171,039	ENSG000001088	MPP2
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001491	C11orf49
rs2292318	28	chr16:67679030-68482591	4.57E-88	370,207	ENSG000001029	PARD6A
rs5754217	4	chr22:21903736-21998587	4.12E-36	366,349	ENSG000001611	CCDC116
rs3996350	1	chr7:130417401-130418888	9.41E-34	377,133	ENSG000001745	KLF14
rs73052102	4	chr19:52430688-52531680	2.07E-08	229,961	ENSG000001976	ZNF615
rs326222;rs12419692;rs4491174;rs1	32	chr11:46417964-49920738	6.71E-48	379,943	ENSG000001659	RAPSN
rs2575876;rs4149307;rs13301006;rs	2	chr9:107543283-107691173	1.63E-148	379,027	ENSG000002263	-

ed gene set memberships (using 14,461 reconstituted gene sets from
ned gene sets derived from 500 pre-computed null GWAS. False-discovery
GWAS. The method is described in detail in Pers et al. NatComm 2015.

Nominal P value	Gene closest to lead SNP	SNP (Westra et al. Nature Genetics 2014)	False discovery rate
2.90E-09	true	-	**<=0.01**
3.58E-09	true	rs2472495	**<=0.01**
3.94E-09	true	rs12610693	**<=0.01**
6.01E-09	false	-	**<=0.01**
9.81E-09	false	-	**<=0.01**
1.11E-08	false	rs3211958;rs227	**<=0.01**
1.48E-08	true	-	**<=0.01**
1.61E-08	false	rs546	**<=0.01**
1.77E-08	true	rs7954697	**<=0.01**
2.81E-08	true	rs1925829;rs120	**<=0.01**
3.41E-08	true	rs9472113;rs947	**<=0.01**
5.22E-08	false	rs7126727	**<=0.01**
8.59E-08	false	rs11669375	**<=0.01**
9.92E-08	true	-	**<=0.01**
1.03E-07	true	-	**<=0.01**
2.59E-07	false	rs9365237	**<=0.01**
3.72E-07	true	-	**<=0.01**
5.16E-07	true	rs11991231	**<=0.01**
6.28E-07	true	-	**<=0.01**
6.42E-07	true	rs1926559	**<=0.01**
7.08E-07	true	rs1167742;rs168	**<=0.01**
1.41E-06	true	rs255049	**<=0.01**
1.63E-06	true	-	**<=0.01**
1.75E-06	false	-	**<=0.01**

2.24E-06	true	rs1997243	**<=0.01**
2.39E-06	true	-	**<=0.01**
2.72E-06	true	rs2297372;rs662	**<=0.01**
4.24E-06	true	rs8044753;rs804	**<=0.01**
4.42E-06	true	rs846897	**<=0.01**
4.45E-06	false	-	**<=0.01**
4.69E-06	true	rs12911658	**<=0.01**
4.78E-06	true	-	**<=0.01**
4.95E-06	false	rs918106	**<=0.01**
6.15E-06	true	-	**<=0.01**
1.03E-05	false	rs4752973	**<=0.01**
1.06E-05	true	-	**<=0.01**
1.15E-05	false	-	**<=0.01**
1.15E-05	false	-	**<=0.01**
1.28E-05	false	-	**<=0.01**
1.71E-05	false	-	**<=0.01**
2.09E-05	false	rs529328	**<=0.01**
2.62E-05	false	-	**<=0.01**
2.86E-05	true	rs4924;rs116446	**<=0.01**
3.01E-05	true	-	**<=0.01**
3.24E-05	false	-	**<=0.01**
4.34E-05	true	rs968567	**<=0.01**
5.31E-05	true	rs3758673	**<=0.01**
5.40E-05	true	-	**<=0.01**
6.13E-05	true	-	**<=0.01**
9.08E-05	true	rs11879589;rs11	**<=0.01**
1.08E-04	true	rs5756968	**<=0.01**
1.27E-04	false	rs4938353	**<=0.01**
1.59E-04	false	rs1057233;rs326	**<=0.01**
1.62E-04	false	-	**<=0.01**
1.77E-04	false	rs968567	**<=0.01**
1.97E-04	true	-	**<=0.01**
2.72E-04	true	rs7105851	**<=0.01**

2.91E-04	true	-	**<=0.01**
3.01E-04	false	rs9033	**<=0.01**
4.33E-04	false	rs17828482	**<=0.01**
4.35E-04	false	rs10409727	**<=0.01**
5.32E-04	true	rs12609373	**<=0.01**
5.67E-04	true	-	**<=0.01**
5.80E-04	false	-	**<=0.01**
6.67E-04	true	-	**<=0.01**
9.34E-04	false	-	**<=0.01**
1.08E-03	true	rs17198607	**<=0.01**
1.22E-03	false	rs7672	**<0.05**
1.26E-03	true	rs2450782;rs101	**<0.05**
1.33E-03	false	rs11672654	**<0.05**
1.35E-03	true	-	**<0.05**
1.43E-03	true	rs1599933	**<0.05**
1.47E-03	true	-	**<0.05**
1.69E-03	false	-	**<0.05**
1.74E-03	false	-	**<0.05**
1.81E-03	false	rs9932319	**<0.05**
1.91E-03	true	rs317915	**<0.05**
1.92E-03	false	-	**<0.05**
1.93E-03	false	rs745307;rs115(	**<0.05**
2.29E-03	true	rs13133397;rs4(	**<0.05**
2.46E-03	true	-	**<0.05**
2.62E-03	true	rs16956009	**<0.05**
3.04E-03	false	rs11639620	**<0.05**
3.17E-03	true	-	**<0.05**
3.44E-03	false	rs12366872	**<0.05**
3.76E-03	true	rs1580833	**<0.05**
3.80E-03	false	rs12742115	**<0.05**
3.92E-03	false	-	**<0.05**
4.02E-03	true	rs4360309	**<0.05**
4.10E-03	true	-	**<0.05**

4.93E-03	false	rs2285912	**<0.05**
6.25E-03	false	rs4404068	**<0.05**
6.55E-03	false	rs7644024	**<0.05**
7.17E-03	false	rs2259693;rs225	**<0.05**
7.32E-03	true	rs4969170	**<0.05**
7.60E-03	false	rs11577159	**<0.05**
8.63E-03	true	-	**<0.05**
8.87E-03	false	rs2074545	**<0.05**
0.01	false	rs10509961	**<0.05**
0.01	true	-	**<0.05**
0.01	true	rs2723539	**<0.05**
0.01	false	rs1840326	<0.20
0.01	false	rs11086985	<0.20
0.01	false	rs1580833;rs478	<0.20
0.01	true	rs203713	<0.20
0.02	false	-	<0.20
0.02	true	rs4896477	<0.20
0.02	false	rs9614131;rs998	<0.20
0.02	false	rs17803280	<0.20
0.02	false	-	<0.20
0.02	false	-	<0.20
0.02	false	rs12598;rs11253	<0.20
0.02	true	rs12495722	<0.20
0.02	false	rs3736054	<0.20
0.02	true	rs17616620	<0.20
0.02	false	rs14050	<0.20
0.02	true	rs6776145	<0.20
0.02	true	-	<0.20
0.03	false	rs3798209	<0.20
0.03	true	rs2070852	<0.20
0.03	false	rs10790177;rs18	<0.20
0.04	false	-	<0.20
0.04	false	rs6461936	<0.20

0.04	false	rs11713310	<0.20
0.04	false	-	<0.20
0.04	true	-	<0.20
0.04	false	rs11078915	<0.20
0.04	false	rs12752833	<0.20
0.04	false	-	<0.20
0.04	true	rs745307	<0.20
0.05	true	-	<0.20
0.05	false	-	<0.20
0.05	true	rs223841	<0.20
0.05	false	-	<0.20
0.05	true	rs4481612	<0.20
0.06	false	-	<0.20
0.06	false	-	<0.20
0.06	true	rs1145187	<0.20
0.06	false	-	<0.20
0.06	true	rs1790116	<0.20
0.07	false	rs11236739	<0.20
0.07	false	rs6973680	<0.20
0.07	false	rs7076601	<0.20
0.07	false	-	<0.20
0.07	false	rs1230395	<0.20
0.07	false	-	<0.20
0.08	false	-	<0.20
0.08	true	rs1128432;rs12	<0.20
0.09	false	rs7189840	>0.20
0.09	false	-	>0.20
0.09	true	-	>0.20
0.09	false	-	>0.20
0.1	false	-	>0.20
0.11	false	rs17660567	>0.20
0.11	true	rs17162315	>0.20
0.11	true	-	>0.20

0.11	false	rs11974409	>0.20
0.11	false	rs7191129	>0.20
0.12	false	rs17145732	>0.20
0.12	false	rs4784775	>0.20
0.12	false	-	>0.20
0.12	false	rs4847240	>0.20
0.12	true	rs17145813	>0.20
0.13	false	rs2241209	>0.20
0.14	false	rs16942887	>0.20
0.14	false	rs1731902	>0.20
0.15	true	rs7107152	>0.20
0.15	false	rs1053612	>0.20
0.16	true	-	>0.20
0.16	false	rs9934434	>0.20
0.16	false	rs8076462	>0.20
0.17	false	rs6663	>0.20
0.17	false	rs4539273	>0.20
0.18	false	rs11644360;rs37	>0.20
0.18	false	rs11570115;rs11	>0.20
0.18	false	-	>0.20
0.19	false	-	>0.20
0.19	false	-	>0.20
0.19	false	-	>0.20
0.19	false	rs4647709	>0.20
0.21	true	-	>0.20
0.22	false	rs3736054	>0.20
0.23	false	rs2242081	>0.20
0.23	false	-	>0.20
0.24	false	rs12419692;rs10	>0.20
0.24	false	-	>0.20
0.25	false	-	>0.20
0.25	true	-	>0.20
0.26	false	rs1476512	>0.20

0.27	false	rs2599423	>0.20
0.27	false	rs999047	>0.20
0.28	false	-	>0.20
0.28	false	-	>0.20
0.28	false	-	>0.20
0.3	true	-	>0.20
0.35	false	-	>0.20
0.38	false	rs3785100	>0.20
0.38	false	rs2245365	>0.20
0.38	false	-	>0.20
0.42	false	-	>0.20
0.44	false	rs198462	>0.20
0.45	false	-	>0.20
0.46	true	-	>0.20
0.46	false	rs10790180	>0.20
0.46	false	-	>0.20
0.46	false	-	>0.20
0.47	true	rs787677;rs127	>0.20
0.47	false	-	>0.20
0.48	true	-	>0.20
0.48	false	-	>0.20
0.5	false	-	>0.20
0.5	false	rs12927959	>0.20
0.51	false	-	>0.20
0.52	false	-	>0.20
0.53	false	-	>0.20
0.53	false	rs8075566	>0.20
0.54	false	-	>0.20
0.54	true	-	>0.20
0.55	false	-	>0.20
0.55	false	rs17375948;rs17	>0.20
0.55	false	rs2815416	>0.20
0.56	true	rs17737611	>0.20

0.57	false	rs17726706	>0.20
0.58	false	rs1642592	>0.20
0.59	true	-	>0.20
0.6	false	-	>0.20
0.61	true	rs12918087	>0.20
0.61	false	rs2305280	>0.20
0.61	false	-	>0.20
0.62	false	-	>0.20
0.62	false	rs6499163	>0.20
0.62	false	rs2470134	>0.20
0.63	true	-	>0.20
0.63	true	rs13145898;rs1(	>0.20
0.64	false	-	>0.20
0.64	false	-	>0.20
0.64	false	-	>0.20
0.65	false	-	>0.20
0.65	false	-	>0.20
0.66	true	-	>0.20
0.66	false	rs879606	>0.20
0.67	false	-	>0.20
0.67	false	-	>0.20
0.68	false	-	>0.20
0.7	false	-	>0.20
0.7	true	-	>0.20
0.71	false	-	>0.20
0.71	false	rs2156250	>0.20
0.72	false	rs12447295;rs23	>0.20
0.72	true	-	>0.20
0.72	false	-	>0.20
0.73	false	rs11639620	>0.20
0.73	false	rs10262070	>0.20
0.73	true	-	>0.20
0.73	false	-	>0.20

0.75	false	-	>0.20
0.76	true	-	>0.20
0.76	false	rs11070392	>0.20
0.76	false	rs850856	>0.20
0.76	false	-	>0.20
0.77	false	-	>0.20
0.77	false	rs12899865	>0.20
0.78	false	-	>0.20
0.78	true	rs6485788	>0.20
0.78	false	rs638433	>0.20
0.78	false	rs1549931	>0.20
0.79	false	-	>0.20
0.79	false	rs2587881	>0.20
0.8	false	-	>0.20
0.81	true	rs3768	>0.20
0.82	false	-	>0.20
0.82	true	-	>0.20
0.83	false	rs4556786	>0.20
0.84	true	-	>0.20
0.84	false	-	>0.20
0.84	false	-	>0.20
0.84	false	-	>0.20
0.84	true	-	>0.20
0.85	false	-	>0.20
0.86	true	-	>0.20
0.86	false	-	>0.20
0.86	false	rs2433279	>0.20
0.87	false	-	>0.20
0.88	true	-	>0.20
0.88	false	-	>0.20
0.89	false	rs645061;rs670(	>0.20
0.89	false	rs12927959	>0.20
0.9	false	rs3862691	>0.20

0.9	false	-	>0.20
0.9	false	rs17375948	>0.20
0.9	false	-	>0.20
0.9	false	rs2259816;rs207	>0.20
0.91	true	rs3752120	>0.20
0.91	true	rs6599389	>0.20
0.91	true	-	>0.20
0.91	false	rs7176849	>0.20
0.92	false	rs174469	>0.20
0.92	false	-	>0.20
0.93	false	rs16940462	>0.20
0.93	false	-	>0.20
0.93	false	rs7190307;rs110	>0.20
0.93	false	-	>0.20
0.93	false	-	>0.20
0.94	true	-	>0.20
0.94	true	rs10493443	>0.20
0.94	false	rs6499119	>0.20
0.95	false	-	>0.20
0.95	false	-	>0.20
0.95	false	rs9311677;rs154	>0.20
0.95	true	-	>0.20
0.95	false	rs3742970	>0.20
0.95	false	-	>0.20
0.95	false	rs3758674	>0.20
0.96	false	-	>0.20
0.96	false	-	>0.20
0.96	false	-	>0.20
0.97	false	-	>0.20
0.97	false	-	>0.20
0.97	false	-	>0.20
0.97	false	rs255052	>0.20
0.97	true	rs12604221	>0.20

0.98	false	-	>0.20
0.98	false	-	>0.20
0.98	true	-	>0.20
0.98	true	rs7927771	>0.20
0.98	false	-	>0.20
0.99	false	rs13098259	>0.20
0.99	false	rs12920590	>0.20
0.99	false	rs1615350;rs10	>0.20
0.99	false	rs2927085	>0.20
0.99	false	-	>0.20
1	false	-	>0.20
1	false	rs4494268	>0.20
1	false	rs8051587	>0.20
1	false	-	>0.20
1	true	-	>0.20
1	false	-	>0.20
1	false	-	>0.20
1	true	-	>0.20

Supplementary Table 29: DEPICT gene prioritization results for the genome-wide significant (P2df

The gene prioritization P values of genes harboring the identified loci are based on a score test that corrects for bias from, e.g., gene length, by normalizing their similarity score distribution to 1,000 ra from repeating the correlation and bias adjustment 50 times based on top SNPs from the 500 pre-c

Locus	Nr of genes in locus	Chromosome and position
rs2075290;rs11820589	7	chr11:116618886-116703788
rs562338;rs1367117;rs533617;rs75208098;rs1800480;rs1137	3	chr2:21059531-21784185
rs1260326	9	chr2:27505260-27746554
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs4245791;rs4953023	2	chr2:44039611-44105605
rs909134	3	chr19:45445495-45541452
rs2075290;rs11820589	7	chr11:116618886-116703788
rs2075290;rs11820589	7	chr11:116618886-116703788
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs7177289;rs145347194	1	chr15:58702768-58861151
rs2278426	2	chr19:11309973-11373157
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs1800961	1	chr20:42984340-43060030
rs4245791;rs4953023	2	chr2:44039611-44105605
rs2075290;rs11820589	7	chr11:116618886-116703788
rs769449;rs7412;rs157580;rs6859;rs12971462;rs519113;rs28	4	chr19:45349393-45422606
rs2131925	4	chr1:62901968-63176365
rs1564348;rs12208357;rs80301372	2	chr6:160390131-160579750
rs28399654	2	chr19:45281126-45324677
rs2255141	1	chr10:113909624-113975135
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs77542162	2	chr17:67074847-67323323
rs72660594;rs11591147;rs11206510;rs2479409;rs505151;rs1	3	chr1:55505221-55683124
rs7241918	1	chr18:47088427-47119278
rs1883025	1	chr9:107543283-107690518
rs769449;rs7412;rs157580;rs6859;rs12971462;rs519113;rs28	4	chr19:45349393-45422606
rs58542926	12	chr19:19322782-19774502
rs11220462	1	chr11:126225535-126310239
rs6511720;rs2738464;rs2738459;rs56315738;rs199573103	2	chr19:11071598-11244492
rs174546	4	chr11:61520114-61647626
rs1058402	1	chr19:45147098-45169429
rs2287922	6	chr19:49199228-49261580
rs2068888	1	chr10:94833232-94837647
rs2287922	6	chr19:49199228-49261580
rs8045855;rs821840;rs247615;rs12720889	1	chr16:56995762-57017757
rs1169288	3	chr12:121416346-121477045

rs174546	4	chr11:61520114-61647626
rs6882076	2	chr5:156346293-156486130
rs2278426	2	chr19:11309973-11373157
rs496654	1	chr1:234782035-234818922
rs3846663	4	chr5:74632154-75013313
rs769449;rs7412;rs157580;rs6859;rs12971462;rs519113;rs28	4	chr19:45349393-45422606
rs909134	3	chr19:45445495-45541452
rs1564348;rs12208357;rs80301372	2	chr6:160390131-160579750
rs6016373	1	chr20:39314488-39317880
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs3208305;rs138295898	1	chr8:19759228-19824770
rs1260326	9	chr2:27505260-27746554
rs4804573	1	chr19:11274944-11308243
rs1260326	9	chr2:27505260-27746554
rs11871606	4	chr17:45400656-45789427
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs17261772	9	chr2:135722061-136743670
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs28399654	2	chr19:45281126-45324677
rs77542162	2	chr17:67074847-67323323
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs58542926	12	chr19:19322782-19774502
rs17261772	9	chr2:135722061-136743670
rs2954038;rs2980874	1	chr8:126442563-126450647
rs174546	4	chr11:61520114-61647626
rs8017377	1	chr14:24867992-24888494
rs58404036	4	chr8:144989321-145101933
rs2075290;rs11820589	7	chr11:116618886-116703788
rs58404036	4	chr8:144989321-145101933
rs4722551	1	chr7:26191860-26226745
rs58404036	4	chr8:144989321-145101933
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs909134	3	chr19:45445495-45541452
rs17261772	9	chr2:135722061-136743670
rs7261862	4	chr20:34021145-34195451
rs1169288	3	chr12:121416346-121477045
rs112438892	3	chr19:10982253-11040914
rs58404036	4	chr8:144989321-145101933
rs58542926	12	chr19:19322782-19774502
rs1260326	9	chr2:27505260-27746554
rs1260326	9	chr2:27505260-27746554
rs17261772	9	chr2:135722061-136743670
rs58542926	12	chr19:19322782-19774502
rs2131925	4	chr1:62901968-63176365
rs4129767	1	chr17:76374735-76420635

rs2131925	4	chr1:62901968-63176365
rs2287922	6	chr19:49199228-49261580
rs769449;rs7412;rs157580;rs6859;rs12971462;rs519113;rs28	4	chr19:45349393-45422606
rs35530837	4	chr2:202937978-203432474
rs58542926	12	chr19:19322782-19774502
rs35530837	4	chr2:202937978-203432474
rs6072309	5	chr20:39657458-39989222
rs11871606	4	chr17:45400656-45789427
rs4671437	3	chr2:62817390-63284971
rs6072309	5	chr20:39657458-39989222
rs7261862	4	chr20:34021145-34195451
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs4841132	1	chr8:9106927-9271224
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs72660594;rs11591147;rs11206510;rs2479409;rs505151;rs1	3	chr1:55505221-55683124
rs58542926	12	chr19:19322782-19774502
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs112438892	3	chr19:10982253-11040914
rs2075290;rs11820589	7	chr11:116618886-116703788
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs2288904	1	chr19:10713121-10755235
rs2287922	6	chr19:49199228-49261580
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs1260326	9	chr2:27505260-27746554
rs9370867	1	chr6:16129356-16148479
rs6511720;rs2738464;rs2738459;rs56315738;rs199573103	2	chr19:11071598-11244492
rs59823557	1	chr1:55833138-55834447
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs562338;rs1367117;rs533617;rs75208098;rs1800480;rs1137	3	chr2:21059531-21784185
rs6072309	5	chr20:39657458-39989222
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs58542926	12	chr19:19322782-19774502
rs35530837	4	chr2:202937978-203432474
rs7261862	4	chr20:34021145-34195451
rs11871606	4	chr17:45400656-45789427
rs1260326	9	chr2:27505260-27746554
rs7261862	4	chr20:34021145-34195451
rs72660594;rs11591147;rs11206510;rs2479409;rs505151;rs1	3	chr1:55505221-55683124
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs12670798	1	chr7:21582833-21941457
rs1260326	9	chr2:27505260-27746554
rs3846663	4	chr5:74632154-75013313
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs1260326	9	chr2:27505260-27746554

rs35434910	1	chr9:136080664-136084630
rs17261772	9	chr2:135722061-136743670
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs562338;rs1367117;rs533617;rs75208098;rs1800480;rs1137	3	chr2:21059531-21784185
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs58542926	12	chr19:19322782-19774502
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs3846663	4	chr5:74632154-75013313
rs2075290;rs11820589	7	chr11:116618886-116703788
rs58542926	12	chr19:19322782-19774502
rs1169288	3	chr12:121416346-121477045
rs11871606	4	chr17:45400656-45789427
rs2287922	6	chr19:49199228-49261580
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs4671437	3	chr2:62817390-63284971
rs2287922	6	chr19:49199228-49261580
rs77050717	1	chr16:56764037-56878862
rs6072309	5	chr20:39657458-39989222
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs2131925	4	chr1:62901968-63176365
rs507666;rs9411475;rs6597617	1	chr9:136131053-136150617
rs4671437	3	chr2:62817390-63284971
rs17261772	9	chr2:135722061-136743670
rs58542926	12	chr19:19322782-19774502
rs17261772	9	chr2:135722061-136743670
rs3846663	4	chr5:74632154-75013313
rs6072309	5	chr20:39657458-39989222
rs7770628;rs186696265;rs118039278	7	chr6:160592093-161551917
rs6882076	2	chr5:156346293-156486130
rs35530837	4	chr2:202937978-203432474
rs2000999;rs1559401;rs10492815	8	chr16:71879899-72210777
rs174546	4	chr11:61520114-61647626
rs58542926	12	chr19:19322782-19774502
rs10102164	1	chr8:55471729-55682531
rs17261772	9	chr2:135722061-136743670
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888
rs112438892	3	chr19:10982253-11040914
rs58542926	12	chr19:19322782-19774502
rs17261772	9	chr2:135722061-136743670
rs629301;rs72703203;rs75237799;rs76186504;rs41279716	15	chr1:109756540-110260888

< 5e-8) LDL-cholesterol loci

infers the correlation of their reconstituted gene set memberships (using 14,461 reconstituted gene
andom gene-density matched gene sets derived from 500 pre-computed null GWAS. False-discovery
omputed null GWAS. The method is described in detail in Pers et al. NatComm 2015.

GWAS P value	GWAS n	Ensembl gene ID	Gene symbol	Nominal P value	Gene closest to lead SNP
1.16E-19	178,868	ENSG00000110	APOC3	1.70E-11	false
3.54E-194	247,053	ENSG00000084	APOB	8.57E-11	true
1.06E-19	296,805	ENSG00000084	GCKR	3.51E-10	true
1.25E-23	295,557	ENSG00000122	PLG	6.51E-09	true
7.42E-66	248,917	ENSG00000138	ABCG5	7.52E-09	false
1.81E-09	59,815	ENSG00000224	APOC4	1.85E-08	false
1.16E-19	178,868	ENSG00000110	APOA4	2.11E-08	false
1.16E-19	178,868	ENSG00000110	APOA5	2.28E-08	false
1.25E-23	295,557	ENSG00000198	LPA	2.91E-08	true
3.71E-14	193,912	ENSG00000166	LIPC	4.90E-08	true
4.38E-09	60,163	ENSG00000130	C19orf80	6.86E-08	true
5.61E-53	293,737	ENSG00000257	HP	7.12E-08	false
6.63E-12	222,722	ENSG00000101	HNF4A	1.44E-07	false
7.42E-66	248,917	ENSG00000143	ABCG8	1.47E-07	true
1.16E-19	178,868	ENSG00000236	-	2.83E-07	false
1.67E-305	268,210	ENSG00000130	APOC1	4.19E-07	false
5.56E-51	291,050	ENSG00000132	ANGPTL3	4.22E-07	true
4.37E-24	252,695	ENSG00000175	SLC22A1	4.43E-07	true
1.61E-117	158,113	ENSG00000142	CBLC	6.54E-07	false
2.50E-12	293,358	ENSG00000119	GPAM	1.93E-06	true
1.25E-23	295,557	ENSG00000213	LPAL2	2.18E-06	true
1.80E-31	141,544	ENSG00000154	ABCA6	2.86E-06	false
2.43E-171	121,324	ENSG00000169	PCSK9	3.23E-06	true
1.41E-09	286,128	ENSG00000101	LIPG	6.99E-06	true
2.95E-10	296,081	ENSG00000165	ABCA1	7.46E-06	false
1.67E-305	268,210	ENSG00000130	PVRL2	2.22E-05	true
9.21E-44	272,648	ENSG00000213	TM6SF2	2.41E-05	true
5.45E-18	289,968	ENSG00000110	ST3GAL4	4.51E-05	true
0.00E+00	224,562	ENSG00000130	LDLR	4.65E-05	true
2.38E-43	292,963	ENSG00000134	FADS2	8.04E-05	false
1.78E-36	169,408	ENSG00000073	PVR	1.12E-04	true
1.78E-24	270,276	ENSG00000105	RASIP1	1.13E-04	false
5.88E-11	294,178	ENSG00000095	CYP26A1	1.15E-04	true
1.78E-24	270,276	ENSG00000105	FGF21	1.83E-04	false
7.78E-34	289,783	ENSG00000087	CETP	4.22E-04	true
1.07E-23	185,344	ENSG00000135	HNF1A	5.96E-04	true

2.38E-43	292,963	ENSG00000149	FADS1	6.08E-04	false
2.09E-36	291,578	ENSG00000145	TIMD4	7.26E-04	true
4.38E-09	60,163	ENSG00000130	DOCK6	7.81E-04	false
9.58E-30	294,510	ENSG00000228	-	9.28E-04	true
4.04E-127	291,163	ENSG00000113	HMGCR	1.24E-03	true
1.67E-305	268,210	ENSG00000130	APOE	1.29E-03	true
1.81E-09	59,815	ENSG00000104	CLPTM1	1.32E-03	false
4.37E-24	252,695	ENSG00000197	IGF2R	2.14E-03	false
4.54E-23	185,344	ENSG00000204	MAFB	2.63E-03	true
5.61E-53	293,737	ENSG00000102	DHODH	3.16E-03	true
2.52E-17	193,912	ENSG00000175	LPL	3.40E-03	true
1.06E-19	296,805	ENSG00000115	FNDC4	3.55E-03	false
6.46E-09	58,162	ENSG00000197	KANK2	4.83E-03	true
1.06E-19	296,805	ENSG00000157	KRTCAP3	7.21E-03	false
4.24E-17	296,010	ENSG00000178	C17orf57	7.62E-03	false
6.79E-287	179,702	ENSG00000168	GSTM4	9.04E-03	false
5.05E-15	235,621	ENSG00000115	LCT	0.01	false
1.25E-23	295,557	ENSG00000146	SLC22A3	0.02	false
1.61E-117	158,113	ENSG00000187	BCAM	0.02	true
1.80E-31	141,544	ENSG00000154	ABCA5	0.02	false
6.79E-287	179,702	ENSG00000143	SYPL2	0.03	false
1.25E-23	295,557	ENSG00000256	-	0.03	false
9.21E-44	272,648	ENSG00000105	ATP13A1	0.03	false
5.05E-15	235,621	ENSG00000226	-	0.03	false
1.72E-40	290,449	ENSG00000173	TRIB1	0.04	true
2.38E-43	292,963	ENSG00000124	C11orf9	0.04	false
1.45E-15	284,351	ENSG00000205	NYNRIN	0.04	false
3.72E-15	286,530	ENSG00000178	GRINA	0.04	true
1.16E-19	178,868	ENSG00000226	-	0.05	false
3.72E-15	286,530	ENSG00000186	SPATC1	0.05	false
1.68E-16	283,664	ENSG00000050	NFE2L3	0.05	true
3.72E-15	286,530	ENSG00000178	PARP10	0.05	false
6.79E-287	179,702	ENSG00000134	GSTM5	0.06	false
1.81E-09	59,815	ENSG00000104	RELB	0.06	true
5.05E-15	235,621	ENSG00000176	YSK4	0.07	false
1.15E-14	289,760	ENSG00000125	ERGIC3	0.08	true
1.07E-23	185,344	ENSG00000135	OASL	0.09	false
2.56E-08	57,502	ENSG00000142	CARM1	0.09	true
3.72E-15	286,530	ENSG00000178	PLEC	0.1	false
9.21E-44	272,648	ENSG00000167	GATAD2A	0.1	false
1.06E-19	296,805	ENSG00000138	TRIM54	0.11	false
1.06E-19	296,805	ENSG00000163	ZNF513	0.12	false
5.05E-15	235,621	ENSG00000144	UBXN4	0.12	false
9.21E-44	272,648	ENSG00000064	LPAR2	0.14	false
5.56E-51	291,050	ENSG00000116	DOCK7	0.14	false
1.56E-08	292,867	ENSG00000087	PGS1	0.14	true

5.56E-51	291,050	ENSG00000235	-	0.21	false
1.78E-24	270,276	ENSG00000174	FUT1	0.21	false
1.67E-305	268,210	ENSG00000130	TOMM40	0.21	true
3.20E-08	58,242	ENSG00000204	BMPR2	0.22	false
9.21E-44	272,648	ENSG00000089	GMIP	0.23	false
3.20E-08	58,242	ENSG00000182	-	0.24	false
6.61E-28	289,049	ENSG00000124	PLCG1	0.25	false
4.24E-17	296,010	ENSG00000141	NPEPPS	0.27	false
3.05E-08	60,638	ENSG00000115	EHBP1	0.28	false
6.61E-28	289,049	ENSG00000198	TOP1	0.28	false
1.15E-14	289,760	ENSG00000088	FER1L4	0.28	false
5.61E-53	293,737	ENSG00000118	PMFBP1	0.3	false
6.74E-43	270,642	ENSG00000254	-	0.3	false
6.79E-287	179,702	ENSG00000162	ATXN7L2	0.31	false
2.43E-171	121,324	ENSG00000162	USP24	0.32	true
9.21E-44	272,648	ENSG00000129	MAU2	0.35	false
6.79E-287	179,702	ENSG00000143	PSMA5	0.35	false
6.79E-287	179,702	ENSG00000031	SARS	0.37	false
5.61E-53	293,737	ENSG00000224	ATXN1L	0.39	false
2.56E-08	57,502	ENSG00000130	YIPF2	0.39	false
1.16E-19	178,868	ENSG00000109	ZNF259	0.42	true
6.79E-287	179,702	ENSG00000116	AMPD2	0.42	false
1.83E-22	295,002	ENSG00000129	SLC44A2	0.44	false
1.78E-24	270,276	ENSG00000176	FUT2	0.46	false
5.61E-53	293,737	ENSG00000140	DHX38	0.47	true
1.06E-19	296,805	ENSG00000115	NRBP1	0.48	false
5.13E-23	285,476	ENSG00000007	MYLIP	0.52	true
0.00E+00	224,562	ENSG00000127	SMARCA4	0.52	false
1.88E-09	28,068	ENSG00000231	GOT2P1	0.52	true
6.79E-287	179,702	ENSG00000134	SORT1	0.52	false
3.54E-194	247,053	ENSG00000231	-	0.52	true
6.61E-28	289,049	ENSG00000132	LPIN3	0.52	false
1.25E-23	295,557	ENSG00000085	MAP3K4	0.53	false
9.21E-44	272,648	ENSG00000187	HAPLN4	0.55	false
3.20E-08	58,242	ENSG00000055	NOP58	0.59	false
1.15E-14	289,760	ENSG00000126	CEP250	0.63	false
4.24E-17	296,010	ENSG00000108	KPNB1	0.66	true
1.06E-19	296,805	ENSG00000138	IFT172	0.67	false
1.15E-14	289,760	ENSG00000125	GDF5	0.67	false
2.43E-171	121,324	ENSG00000244	-	0.69	false
6.79E-287	179,702	ENSG00000065	GNAI3	0.73	false
1.17E-19	183,684	ENSG00000105	DNAH11	0.73	true
1.06E-19	296,805	ENSG00000115	SNX17	0.75	false
4.04E-127	291,163	ENSG00000122	POLK	0.75	false
6.79E-287	179,702	ENSG00000156	GPR61	0.75	false
1.06E-19	296,805	ENSG00000115	PPM1G	0.77	false

6.67E-17	237,287	ENSG00000171	OBP2B	0.77	false
5.05E-15	235,621	ENSG00000115	DARS	0.77	false
6.79E-287	179,702	ENSG00000143	CELSR2	0.78	true
3.54E-194	247,053	ENSG00000236	-	0.79	true
6.79E-287	179,702	ENSG00000134	GNAT2	0.79	false
9.21E-44	272,648	ENSG00000178	TSSK6	0.81	false
5.61E-53	293,737	ENSG00000182	IST1	0.81	false
4.04E-127	291,163	ENSG00000113	COL4A3BP	0.84	false
1.16E-19	178,868	ENSG00000137	BUD13	0.86	true
9.21E-44	272,648	ENSG00000105	SUGP1	0.87	false
1.07E-23	185,344	ENSG00000157	C12orf43	0.87	false
4.24E-17	296,010	ENSG00000198	TBKBP1	0.89	false
1.78E-24	270,276	ENSG00000182	IZUMO1	0.89	false
6.79E-287	179,702	ENSG00000134	PSRC1	0.89	true
3.05E-08	60,638	ENSG00000115	OTX1	0.89	false
1.78E-24	270,276	ENSG00000176	MAMSTR	0.89	true
2.80E-09	125,526	ENSG00000102	NUP93	0.89	true
6.61E-28	289,049	ENSG00000226	-	0.9	true
5.61E-53	293,737	ENSG00000140	TXNL4B	0.92	true
5.56E-51	291,050	ENSG00000162	USP1	0.92	false
5.00E-93	294,573	ENSG00000175	ABO	0.92	true
3.05E-08	60,638	ENSG00000226	-	0.93	true
5.05E-15	235,621	ENSG00000076	MCM6	0.93	false
9.21E-44	272,648	ENSG00000160	CILP2	0.93	false
5.05E-15	235,621	ENSG00000121	ZRANB3	0.94	false
4.04E-127	291,163	ENSG00000152	POC5	0.94	false
6.61E-28	289,049	ENSG00000174	ZHX3	0.95	false
1.25E-23	295,557	ENSG00000112	SLC22A2	0.96	false
2.09E-36	291,578	ENSG00000113	HAVCR1	0.97	false
3.20E-08	58,242	ENSG00000116	SUMO1	0.97	true
5.61E-53	293,737	ENSG00000102	ZNF821	0.97	false
2.38E-43	292,963	ENSG00000168	FEN1	0.98	true
9.21E-44	272,648	ENSG00000130	NCAN	0.99	false
2.51E-19	300,762	ENSG00000104	RP1	0.99	true
5.05E-15	235,621	ENSG00000115	RAB3GAP1	0.99	true
6.79E-287	179,702	ENSG00000181	AMIGO1	0.99	false
2.56E-08	57,502	ENSG00000142	C19orf52	1	false
9.21E-44	272,648	ENSG00000105	PBX4	1	false
5.05E-15	235,621	ENSG00000048	R3HDM1	1	false
6.79E-287	179,702	ENSG00000174	CYB561D1	1	false

: sets from DEPICT), and
rates (FDR) are obtained

Top cis eQTL SNP (Westra et al. Nature Genetics 2014)	False discovery rate
-	**<=0.01**
-	**<=0.01**
-	**<=0.01**
rs9365237	**<=0.01**
-	**<=0.01**
-	**<=0.01**
-	**<=0.01**
-	**<=0.01**
-	**<=0.01**
rs12911658	**<=0.01**
rs12610693	**<=0.01**
-	**<=0.01**
rs17828482	**<=0.01**
-	**<=0.01**
-	**<=0.01**
-	**<=0.01**
rs7528963	**<=0.01**
rs2297372;rs662	**<=0.01**
-	**<=0.01**
rs1926559	**<=0.01**
rs415317	**<=0.01**
rs1443263	**<=0.01**
-	**<=0.01**
-	**<=0.01**
rs2472495	**<=0.01**
rs11879589;rs11	**<=0.01**
-	**<=0.01**
rs529328	**<=0.01**
rs12459603	**<=0.01**
rs968567	**<=0.01**
-	**<=0.01**
rs281377	**<=0.01**
rs787677;rs1276	**<=0.01**
-	**<=0.01**
rs1167742;rs168	**<=0.01**
-	**<=0.01**

rs968567	**<=0.01**
-	**<=0.01**
rs317915	**<=0.01**
-	**<=0.01**
rs6453133	**<=0.01**
-	**<=0.01**
rs10409727	**<=0.01**
rs3798209	**<0.05**
rs2902941	**<0.05**
rs251033	**<0.05**
rs11991231	**<0.05**
-	**<0.05**
rs17616620	**<0.05**
-	**<0.05**
-	**<0.05**
rs1010167;rs101	**<0.05**
-	**<0.05**
rs316024	<0.20
rs203713	<0.20
rs1468512;rs565	<0.20
-	<0.20
-	<0.20
rs2304130	<0.20
-	<0.20
rs4360309	<0.20
rs198462	<0.20
-	<0.20
rs6995402;rs111	<0.20
-	<0.20
-	<0.20
-	<0.20
rs11136343	<0.20
-	<0.20
-	<0.20
-	<0.20
-	>0.20
rs2259693;rs225	>0.20
rs11670365	>0.20
rs11785060	>0.20
rs6909;rs725977	>0.20
rs780090	>0.20
-	>0.20
-	>0.20
rs880090	>0.20
rs11207957	>0.20
rs4969170	>0.20

-	>0.20
rs281377	>0.20
-	>0.20
rs6435149;rs110	>0.20
rs1476459	>0.20
-	>0.20
rs6093416	>0.20
rs16956009	>0.20
-	>0.20
rs8121001;rs220	>0.20
-	>0.20
-	>0.20
-	>0.20
-	>0.20
-	>0.20
rs2301668	>0.20
-	>0.20
rs2477363	>0.20
-	>0.20
rs11085749	>0.20
-	>0.20
-	>0.20
rs892078	>0.20
-	>0.20
rs2240243	>0.20
rs11684134	>0.20
rs2021900	>0.20
rs12232780	>0.20
-	>0.20
rs10494041	>0.20
-	>0.20
rs6072412	>0.20
rs1488	>0.20
-	>0.20
-	>0.20
rs10359;rs22434	>0.20
-	>0.20
-	>0.20
-	>0.20
-	>0.20
rs12033376	>0.20
-	>0.20
rs3739095	>0.20
-	>0.20
-	>0.20
-	>0.20

-	>0.20
rs2304370	>0.20
-	>0.20
-	>0.20
rs10127988	>0.20
-	>0.20
-	>0.20
rs6896136	>0.20
rs1145187	>0.20
-	>0.20
rs2259816;rs207	>0.20
rs8075566	>0.20
-	>0.20
-	>0.20
rs17407696	>0.20
-	>0.20
rs12918087	>0.20
-	>0.20
rs10492814	>0.20
rs1168089	>0.20
rs9411463	>0.20
-	>0.20
rs4988226	>0.20
-	>0.20
-	>0.20
rs888788	>0.20
rs1000410	>0.20
rs316019;rs1094	>0.20
-	>0.20
-	>0.20
-	>0.20
rs174469	>0.20
-	>0.20
rs16920316	>0.20
rs4954221	>0.20
-	>0.20
rs11085752	>0.20
rs12611058	>0.20
rs10187054	>0.20
-	>0.20

Supplementary Table 30: DEPICT gene prioritization results for the genome-wide signifi

The gene prioritization P values of genes harboring the identified loci are based on a scor
and corrects for bias from, e.g., gene length, by normalizing their similarity score distribu
obtained from repeating the correlation and bias adjustment 50 times based on top SNP

Locus	Nr of genes in locus	Chromosome and position
rs10755578	4	chr6:160769300-161087407
rs326214;rs2070850	17	chr11:46417964-47374253
rs10889353;rs77064258;rs72929768	4	chr1:62901968-63176365
rs2278426;rs34757881	3	chr19:11274944-11373157
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs35332062	5	chr7:72848109-73038873
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs117760119	1	chr19:8429011-8439257
rs145882729	5	chr1:93544792-93828149
rs4704834	2	chr5:156346293-156486130
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs2255141;rs12414355	2	chr10:113909624-114064793
rs180326;rs35120633;rs1268353;rs1893460;rs579	4	chr11:116618886-116663136
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs12445401	5	chr16:72042643-72210777
rs673548;rs6547409;rs34468875;rs10188503;rs17	1	chr2:21224301-21266945
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs149580368	13	chr17:41831103-42201014
rs438811;rs190712692;rs769446;rs405697;rs4064	4	chr19:45349393-45422606
rs2740488	1	chr9:107543283-107690518
rs9297994	4	chr8:59323823-59572403
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2281721	1	chr1:230193536-230417870
rs12460347	2	chr19:45445495-45496598
rs998584	1	chr6:43737921-43754224
rs935214;rs1800588;rs261291;rs75663614;rs7689	1	chr15:58702768-58861151
rs1532624;rs7203286	1	chr16:56995762-57017757
rs149580368	13	chr17:41831103-42201014
rs112450640	3	chr19:45250962-45324677
rs8103840	6	chr19:49199228-49261580
rs13108218	1	chr4:3443614-3451211
rs12208357	2	chr6:160390131-160579750
rs174550;rs2727262	4	chr11:61520114-61647626
rs2083637;rs308;rs6999158;rs1569213;rs1010405	1	chr8:19759228-19824770
rs10755578	4	chr6:160769300-161087407
rs11250162	13	chr8:11105135-11726957
rs6073958;rs435306	3	chr20:44527399-44600833
rs326214;rs2070850	17	chr11:46417964-47374253
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502

rs438811;rs190712692;rs769446;rs405697;rs4064	4	chr19:45349393-45422606
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs174550;rs2727262	4	chr11:61520114-61647626
rs12748152	8	chr1:27022524-27327147
rs326214;rs2070850	17	chr11:46417964-47374253
rs11250162	13	chr8:11105135-11726957
rs438811;rs190712692;rs769446;rs405697;rs4064	4	chr19:45349393-45422606
rs8103840	6	chr19:49199228-49261580
rs10755578	4	chr6:160769300-161087407
rs2278426;rs34757881	3	chr19:11274944-11373157
rs4821767	2	chr22:38507502-38612518
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs112450640	3	chr19:45250962-45324677
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs2090032	1	chr2:20400558-20425194
rs35570672	1	chr8:18248755-18258728
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2954021;rs6470361;rs75617280;rs4242369;rs13	1	chr8:126442563-126450647
rs2255141;rs12414355	2	chr10:113909624-114064793
rs2278426;rs34757881	3	chr19:11274944-11373157
rs149580368	13	chr17:41831103-42201014
rs2035403	1	chr4:87856154-88062206
rs4418728	1	chr10:94833232-94837647
rs326214;rs2070850	17	chr11:46417964-47374253
rs10101067	1	chr8:72315675-72504260
rs1936789	1	chr6:127439749-127518910
rs4841132;rs10102352	1	chr8:9106927-9271224
rs12355784	3	chr10:64893050-65384883
rs174550;rs2727262	4	chr11:61520114-61647626
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs12748152	8	chr1:27022524-27327147
rs12208357	2	chr6:160390131-160579750
rs10889353;rs77064258;rs72929768	4	chr1:62901968-63176365
rs12355784	3	chr10:64893050-65384883
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs149776574	8	chr2:86253451-86948245
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs12748152	8	chr1:27022524-27327147
rs12748152	8	chr1:27022524-27327147
rs7101582	10	chr11:47487496-48192393
rs55707100;rs151291132	15	chr15:43663313-44955876
rs112450640	3	chr19:45250962-45324677
rs7101582	10	chr11:47487496-48192393
rs10755578	4	chr6:160769300-161087407
rs180326;rs35120633;rs1268353;rs1893460;rs579	4	chr11:116618886-116663136
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241

rs55707100;rs151291132	15	chr15:43663313-44955876
rs2908522	1	chr6:139693393-139695757
rs13389219	1	chr2:165510134-165700189
rs149580368	13	chr17:41831103-42201014
rs149580368	13	chr17:41831103-42201014
rs11250162	13	chr8:11105135-11726957
rs326214;rs2070850	17	chr11:46417964-47374253
rs11250162	13	chr8:11105135-11726957
rs12445401	5	chr16:72042643-72210777
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs12460347	2	chr19:45445495-45496598
rs7101582	10	chr11:47487496-48192393
rs12355784	3	chr10:64893050-65384883
rs326214;rs2070850	17	chr11:46417964-47374253
rs4821767	2	chr22:38507502-38612518
rs35332062	5	chr7:72848109-73038873
rs4722551	1	chr7:26191860-26226745
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs6073958;rs435306	3	chr20:44527399-44600833
rs11250162	13	chr8:11105135-11726957
rs6073958;rs435306	3	chr20:44527399-44600833
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs11113118	3	chr12:106976685-107283090
rs326214;rs2070850	17	chr11:46417964-47374253
rs12467409	5	chr2:202937978-203432474
rs149580368	13	chr17:41831103-42201014
rs12467409	5	chr2:202937978-203432474
rs2921097	1	chr8:8175258-8244008
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs12748152	8	chr1:27022524-27327147
rs149580368	13	chr17:41831103-42201014
rs2292642	1	chr17:76374735-76420635
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs149580368	13	chr17:41831103-42201014
rs8103840	6	chr19:49199228-49261580
rs35332062	5	chr7:72848109-73038873
rs7101582	10	chr11:47487496-48192393
rs35332062	5	chr7:72848109-73038873
rs149580368	13	chr17:41831103-42201014
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs12445401	5	chr16:72042643-72210777
rs8103840	6	chr19:49199228-49261580
rs7101582	10	chr11:47487496-48192393
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2925979	1	chr16:81478775-81745367
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs7101582	10	chr11:47487496-48192393
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs326214;rs2070850	17	chr11:46417964-47374253
rs149580368	13	chr17:41831103-42201014

rs55707100;rs151291132	15	chr15:43663313-44955876
rs11113118	3	chr12:106976685-107283090
rs7661844	2	chr4:86936276-87736324
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs9297994	4	chr8:59323823-59572403
rs149580368	13	chr17:41831103-42201014
rs35332062	5	chr7:72848109-73038873
rs12445401	5	chr16:72042643-72210777
rs55707100;rs151291132	15	chr15:43663313-44955876
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs11833002;rs825453	3	chr12:124247042-124499974
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs438811;rs190712692;rs769446;rs405697;rs4064	4	chr19:45349393-45422606
rs326214;rs2070850	17	chr11:46417964-47374253
rs11113118	3	chr12:106976685-107283090
rs326214;rs2070850	17	chr11:46417964-47374253
rs55707100;rs151291132	15	chr15:43663313-44955876
rs145882729	5	chr1:93544792-93828149
rs149776574	8	chr2:86253451-86948245
rs55707100;rs151291132	15	chr15:43663313-44955876
rs180326;rs35120633;rs1268353;rs1893460;rs579	4	chr11:116618886-116663136
rs12467409	5	chr2:202937978-203432474
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs180326;rs35120633;rs1268353;rs1893460;rs579	4	chr11:116618886-116663136
rs55707100;rs151291132	15	chr15:43663313-44955876
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs13300853	1	chr9:16416404-16870841
rs11250162	13	chr8:11105135-11726957
rs10889353;rs77064258;rs72929768	4	chr1:62901968-63176365
rs55707100;rs151291132	15	chr15:43663313-44955876
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs145882729	5	chr1:93544792-93828149
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2070665;rs11216183;rs470898;rs141594094;rs7	9	chr11:116683920-117103241
rs2035889;rs36024754;rs2006476	2	chr8:19261672-19709594
rs149776574	8	chr2:86253451-86948245
rs326214;rs2070850	17	chr11:46417964-47374253
rs11250162	13	chr8:11105135-11726957
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs12748152	8	chr1:27022524-27327147
rs9297994	4	chr8:59323823-59572403
rs11250162	13	chr8:11105135-11726957
rs149580368	13	chr17:41831103-42201014
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs326214;rs2070850	17	chr11:46417964-47374253

rs11833002;rs825453	3	chr12:124247042-124499974
rs12748152	8	chr1:27022524-27327147
rs11250162	13	chr8:11105135-11726957
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs55707100;rs151291132	15	chr15:43663313-44955876
rs11833002;rs825453	3	chr12:124247042-124499974
rs149776574	8	chr2:86253451-86948245
rs7101582	10	chr11:47487496-48192393
rs10502330	1	chr18:5392383-5630640
rs55707100;rs151291132	15	chr15:43663313-44955876
rs11250162	13	chr8:11105135-11726957
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs145882729	5	chr1:93544792-93828149
rs10889353;rs77064258;rs72929768	4	chr1:62901968-63176365
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs7101582	10	chr11:47487496-48192393
rs326214;rs2070850	17	chr11:46417964-47374253
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs7101582	10	chr11:47487496-48192393
rs550057	1	chr9:136131053-136150617
rs55707100;rs151291132	15	chr15:43663313-44955876
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs149776574	8	chr2:86253451-86948245
rs12748152	8	chr1:27022524-27327147
rs58542926;rs8111511;rs148655849;rs79396655	12	chr19:19322782-19774502
rs11250162	13	chr8:11105135-11726957
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs9297994	4	chr8:59323823-59572403
rs149776574	8	chr2:86253451-86948245
rs149776574	8	chr2:86253451-86948245
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs326214;rs2070850	17	chr11:46417964-47374253
rs326214;rs2070850	17	chr11:46417964-47374253
rs12445401	5	chr16:72042643-72210777
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs34311866	1	chr4:926175-952444
rs145882729	5	chr1:93544792-93828149
rs55707100;rs151291132	15	chr15:43663313-44955876
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs2035889;rs36024754;rs2006476	2	chr8:19261672-19709594
rs1646631	1	chr7:130417401-130418888
rs55707100;rs151291132	15	chr15:43663313-44955876
rs12467409	5	chr2:202937978-203432474
rs4704834	2	chr5:156346293-156486130
rs8103840	6	chr19:49199228-49261580
rs12467409	5	chr2:202937978-203432474

rs55707100;rs151291132	15	chr15:43663313-44955876
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs326214;rs2070850	17	chr11:46417964-47374253
rs7661844	2	chr4:86936276-87736324
rs149776574	8	chr2:86253451-86948245
rs11250162	13	chr8:11105135-11726957
rs174550;rs2727262	4	chr11:61520114-61647626
rs7101582	10	chr11:47487496-48192393
rs8103840	6	chr19:49199228-49261580
rs11250162	13	chr8:11105135-11726957
rs55707100;rs151291132	15	chr15:43663313-44955876
rs149580368	13	chr17:41831103-42201014
rs4665972;rs62141290;rs2305929;rs62140395;rs1	39	chr2:27070615-28561768
rs12750156	1	chr1:63249806-63339980
rs326214;rs2070850	17	chr11:46417964-47374253

icant (P2df < 5e-8) Triglycerides loci

e test that infers the correlation of their reconstituted gene set r
tion to 1,000 random gene-density matched gene sets derived fr
s from the 500 pre-computed null GWAS. The method is describe

GWAS P value	GWAS n	Ensembl gene ID	Gene symbol	Nominal P value
1.91E-11	178,077	ENSG0000019	LPA	2.83E-10
5.56E-10	332,931	ENSG0000018	F2	2.87E-09
8.73E-123	330,767	ENSG0000013	ANGPTL3	9.60E-09
2.37E-13	116,444	ENSG0000013	C19orf80	1.93E-08
5.41E-307	336,606	ENSG0000008	GCKR	3.41E-08
2.41E-177	320,540	ENSG0000000	MLXIPL	1.11E-07
0.00E+00	321,280	ENSG0000011	APOC3	1.41E-07
6.97E-10	160,813	ENSG0000016	ANGPTL4	1.54E-07
9.47E-94		ENSG0000011	TMED5	1.55E-07
1.14E-23	338,437	ENSG0000014	TIMD4	1.70E-07
0.00E+00	321,280	ENSG0000011	APOA4	1.71E-07
7.15E-13	332,864	ENSG0000011	GPAM	1.74E-07
1.47E-281	116,444	ENSG0000011	APOA5	2.19E-07
0.00E+00	321,280	ENSG0000011	APOA1	3.99E-07
1.20E-10	341,343	ENSG0000025	HP	4.34E-07
3.78E-62	167,051	ENSG0000008	APOB	6.54E-07
5.41E-307	336,606	ENSG0000013	SLC5A6	6.84E-07
4.25E-11	102,125	ENSG0000016	NAGS	1.04E-06
2.69E-130	310,209	ENSG0000013	APOC1	1.38E-06
5.45E-15	342,029	ENSG0000016	ABCA1	1.41E-06
5.30E-09	338,753	ENSG0000016	CYP7A1	2.27E-06
5.41E-307	336,606	ENSG0000022	-	2.37E-06
4.26E-33	337,538	ENSG0000014	GALNT2	2.70E-06
1.18E-11	172,004	ENSG0000022	APOC4	2.89E-06
1.39E-31	318,933	ENSG0000011	VEGFA	3.53E-06
3.99E-78	171,216	ENSG0000016	LIPC	4.07E-06
2.12E-53	332,433	ENSG0000008	CETP	4.83E-06
4.25E-11	102,125	ENSG0000016	CD300LG	5.08E-06
2.92E-15	137,181	ENSG0000006	BCL3	5.26E-06
2.59E-10	309,120	ENSG0000010	RASIP1	1.13E-05
4.76E-29	328,507	ENSG0000010	HGFAC	1.54E-05
9.15E-10	157,627	ENSG0000017	SLC22A1	1.55E-05
1.73E-55	332,336	ENSG0000013	FADS2	2.82E-05
0.00E+00	326,180	ENSG0000017	LPL	3.04E-05
1.91E-11	178,077	ENSG0000014	SLC22A3	3.40E-05
2.33E-11	338,538	ENSG0000016	CTSB	3.55E-05
8.59E-31	324,052	ENSG0000010	PLTP	3.65E-05
5.56E-10	332,931	ENSG0000002	NR1H3	4.33E-05
5.41E-307	336,606	ENSG0000013	EMILIN1	4.52E-05
3.19E-89	310,716	ENSG0000021	TM6SF2	6.23E-05

2.69E-130	310,209	ENSG0000013(	PVRL2	7.51E-05
5.41E-307	336,606	ENSG0000013{	KHK	8.79E-05
1.73E-55	332,336	ENSG0000014!	FADS1	9.71E-05
2.30E-08	312,285	ENSG0000013:	NR0B2	1.01E-04
5.56E-10	332,931	ENSG0000013/	ACP2	1.28E-04
2.33E-11	338,538	ENSG0000013(	GATA4	1.36E-04
2.69E-130	310,209	ENSG0000013(	APOE	1.36E-04
2.59E-10	309,120	ENSG0000010!	FGF21	1.41E-04
1.91E-11	178,077	ENSG0000021:	LPAL2	1.47E-04
2.37E-13	116,444	ENSG0000019]	KANK2	2.29E-04
4.02E-10	327,579	ENSG0000018!	MAFF	2.58E-04
0.00E+00	321,280	ENSG0000014!	SIDT2	2.96E-04
5.41E-307	336,606	ENSG0000023/	-	3.77E-04
5.41E-307	336,606	ENSG0000017:	RBKS	6.27E-04
2.92E-15	137,181	ENSG0000014/	CBLC	6.99E-04
0.00E+00	321,280	ENSG0000023(	-	7.46E-04
5.27E-17	342,762	ENSG0000011!	SDC1	7.68E-04
3.51E-27	342,673	ENSG0000015(	NAT2	1.00E-03
5.41E-307	336,606	ENSG0000011!	FNDC4	1.02E-03
1.15E-153	345,467	ENSG0000017:	TRIB1	1.16E-03
7.15E-13	332,864	ENSG0000011!	TECTB	1.69E-03
2.37E-13	116,444	ENSG0000013(	DOCK6	2.02E-03
4.25E-11	102,125	ENSG0000010{	PPY	3.27E-03
2.58E-34	341,704	ENSG0000017/	AFF1	4.25E-03
2.98E-27	340,984	ENSG0000009!	CYP26A1	5.93E-03
5.56E-10	332,931	ENSG0000013/	MYBPC3	5.94E-03
4.06E-08	317,809	ENSG0000025:	-	6.37E-03
3.16E-09	343,868	ENSG0000014(	RSPO3	9.10E-03
6.10E-11	310,199	ENSG0000025/	-	9.63E-03
1.49E-29	329,473	ENSG0000014{	NRBF2	0.01
1.73E-55	332,336	ENSG0000012/	C11orf9	0.01
0.00E+00	321,280	ENSG0000014!	TAGLN	0.01
2.30E-08	312,285	ENSG0000017!	SFN	0.02
9.15E-10	157,627	ENSG0000019]	IGF2R	0.02
8.73E-123	330,767	ENSG0000011(	DOCK7	0.02
1.49E-29	329,473	ENSG0000016!	REEP3	0.02
5.41E-307	336,606	ENSG0000016:	ZNF513	0.02
3.65E-10	7,756	ENSG0000011!	KDM3A	0.02
5.41E-307	336,606	ENSG0000013{	C2orf28	0.02
2.30E-08	312,285	ENSG0000006(	PIGV	0.02
2.30E-08	312,285	ENSG0000011]	ARID1A	0.03
4.02E-08	113,533	ENSG0000014!	PTPRJ	0.03
6.62E-19	164,865	ENSG0000016]	PDIA3	0.03
2.92E-15	137,181	ENSG0000018]	BCAM	0.03
4.02E-08	113,533	ENSG0000016!	AGBL2	0.04
1.91E-11	178,077	ENSG0000025(	-	0.04
1.47E-281	116,444	ENSG0000022(	-	0.04
5.41E-307	336,606	ENSG0000013{	PREB	0.04
5.41E-307	336,606	ENSG0000018(	C2orf53	0.05
0.00E+00	321,280	ENSG0000016(	SIK3	0.05

6.62E-19	164,865	ENSG0000017	-	0.06
7.26E-15	342,638	ENSG0000016	CITED2	0.06
2.13E-14	324,354	ENSG0000008	COBLL1	0.06
4.25E-11	102,125	ENSG0000010	DUSP3	0.06
4.25E-11	102,125	ENSG0000016	SOST	0.06
2.33E-11	338,538	ENSG0000013	BLK	0.07
5.56E-10	332,931	ENSG0000016	PACSIN3	0.07
2.33E-11	338,538	ENSG0000017	LINC00208	0.08
1.20E-10	341,343	ENSG0000010	DHODH	0.09
5.41E-307	336,606	ENSG0000014	ABHD1	0.09
1.18E-11	172,004	ENSG0000010	CLPTM1	0.09
4.02E-08	113,533	ENSG0000011	PTPMT1	0.1
1.49E-29	329,473	ENSG0000017	JMJD1C	0.1
5.56E-10	332,931	ENSG0000011	AMBRA1	0.1
4.02E-10	327,579	ENSG0000018	PLA2G6	0.12
2.41E-177	320,540	ENSG0000010	TBL2	0.12
1.31E-08	327,665	ENSG0000005	NFE2L3	0.12
5.41E-307	336,606	ENSG0000015	KRTCAP3	0.13
8.59E-31	324,052	ENSG0000019	ZNF335	0.14
2.33E-11	338,538	ENSG0000007	FDFT1	0.14
8.59E-31	324,052	ENSG0000010	PCIF1	0.16
3.19E-89	310,716	ENSG0000016	GATAD2A	0.18
1.81E-08	339,510	ENSG0000025	-	0.2
5.56E-10	332,931	ENSG0000017	ARHGAP1	0.21
7.28E-12	173,928	ENSG0000018	-	0.21
4.25E-11	102,125	ENSG0000009	TMEM101	0.21
7.28E-12	173,928	ENSG0000020	BMPR2	0.22
8.54E-12	175,822	ENSG0000018	-	0.23
3.19E-89	310,716	ENSG0000010	ATP13A1	0.24
2.30E-08	312,285	ENSG0000020	ZDHHC18	0.26
4.25E-11	102,125	ENSG0000016	LSM12	0.26
1.13E-11	321,684	ENSG0000008	PGS1	0.26
3.19E-89	310,716	ENSG0000018	HAPLN4	0.27
4.25E-11	102,125	ENSG0000013	PYY	0.28
2.59E-10	309,120	ENSG0000017	FUT1	0.28
2.41E-177	320,540	ENSG0000010	BCL7B	0.3
4.02E-08	113,533	ENSG0000010	FNBP4	0.3
2.41E-177	320,540	ENSG0000018	FZD9	0.31
4.25E-11	102,125	ENSG0000014	G6PC3	0.34
5.41E-307	336,606	ENSG0000011	NRBP1	0.34
1.20E-10	341,343	ENSG0000014	DHX38	0.34
2.59E-10	309,120	ENSG0000017	FUT2	0.35
4.02E-08	113,533	ENSG0000010	MTCH2	0.36
5.41E-307	336,606	ENSG0000011	TMEM214	0.37
7.27E-20	334,519	ENSG0000015	CMIP	0.38
3.19E-89	310,716	ENSG0000012	MAU2	0.38
4.02E-08	113,533	ENSG0000014	CELF1	0.39
5.41E-307	336,606	ENSG0000011	GTF3C2	0.42
5.56E-10	332,931	ENSG0000018	HARBI1	0.43
4.25E-11	102,125	ENSG0000023	C17orf105	0.44

6.62E-19	164,865	ENSG0000010	SPG11	0.46
1.81E-08	339,510	ENSG0000011	RFX4	0.47
2.99E-10	342,910	ENSG0000016	PTPN13	0.49
5.41E-307	336,606	ENSG0000013	TRIM54	0.49
0.00E+00	321,280	ENSG0000016	PCSK7	0.49
3.19E-89	310,716	ENSG0000008	GMIP	0.5
5.30E-09	338,753	ENSG0000013	SDCBP	0.52
4.25E-11	102,125	ENSG0000010	HDAC5	0.52
2.41E-177	320,540	ENSG0000000	BAZ1B	0.54
1.20E-10	341,343	ENSG0000011	PMFBP1	0.54
6.62E-19	164,865	ENSG0000016	PPIP5K1	0.56
3.19E-89	310,716	ENSG0000016	CILP2	0.56
2.67E-15	341,205	ENSG0000019	DNAH10	0.57
5.41E-307	336,606	ENSG0000008	CAD	0.59
2.69E-130	310,209	ENSG0000013	TOMM40	0.6
5.56E-10	332,931	ENSG0000013	LRP4	0.6
1.81E-08	339,510	ENSG0000011	RIC8B	0.6
5.56E-10	332,931	ENSG0000014	ARFGAP2	0.62
6.62E-19	164,865	ENSG0000017	FRMD5	0.62
9.47E-94		ENSG0000011	DR1	0.63
3.65E-10	7,756	ENSG0000006	POLR1A	0.65
6.62E-19	164,865	ENSG0000013	CTDSPL2	0.65
1.47E-281	116,444	ENSG0000013	BUD13	0.65
7.28E-12	173,928	ENSG0000005	NOP58	0.65
5.41E-307	336,606	ENSG0000011	MPV17	0.65
1.47E-281	116,444	ENSG0000010	ZNF259	0.66
6.62E-19	164,865	ENSG0000016	CATSPER2	0.68
5.41E-307	336,606	ENSG0000008	AGBL5	0.69
5.41E-307	336,606	ENSG0000013	IFT172	0.7
1.41E-11	177,519	ENSG0000017	BNC2	0.7
2.33E-11	338,538	ENSG0000015	TDH	0.7
8.73E-123	330,767	ENSG0000023	-	0.71
6.62E-19	164,865	ENSG0000010	EIF3J	0.71
3.19E-89	310,716	ENSG0000006	LPAR2	0.72
9.47E-94		ENSG0000022	-	0.72
5.41E-307	336,606	ENSG0000011	SUPT7L	0.74
5.41E-307	336,606	ENSG0000011	PPM1G	0.74
0.00E+00	321,280	ENSG0000016	PAFAH1B2	0.74
6.06E-13	175,322	ENSG0000014	CSGALNACT	0.74
3.65E-10	7,756	ENSG0000020	-	0.77
5.56E-10	332,931	ENSG0000017	ZNF408	0.77
2.33E-11	338,538	ENSG0000025	C8orf49	0.78
5.41E-307	336,606	ENSG0000016	UCN	0.78
5.41E-307	336,606	ENSG0000011	EIF2B4	0.79
2.30E-08	312,285	ENSG0000014	GPN2	0.79
5.30E-09	338,753	ENSG0000003	NSMAF	0.8
2.33E-11	338,538	ENSG0000015	NEIL2	0.8
4.25E-11	102,125	ENSG0000016	MPP3	0.81
3.19E-89	310,716	ENSG0000017	TSSK6	0.82
5.56E-10	332,931	ENSG0000011	MADD	0.82

2.67E-15	341,205	ENSG0000017	ZNF664	0.83
2.30E-08	312,285	ENSG0000017	C1orf172	0.83
2.33E-11	338,538	ENSG0000015	FAM167A	0.83
5.41E-307	336,606	ENSG0000022	C2orf16	0.85
5.41E-307	336,606	ENSG0000011	SNX17	0.86
6.62E-19	164,865	ENSG0000014	MFAP1	0.86
2.67E-15	341,205	ENSG0000011	CCDC92	0.87
3.65E-10	7,756	ENSG0000013	IMMT	0.88
4.02E-08	113,533	ENSG0000021	NDUFS3	0.88
1.18E-08	339,733	ENSG0000008	EPB41L3	0.9
6.62E-19	164,865	ENSG0000013	TUBGCP4	0.9
2.33E-11	338,538	ENSG0000010	MTMR9	0.9
5.41E-307	336,606	ENSG0000015	BRE	0.91
3.19E-89	310,716	ENSG0000013	NCAN	0.91
9.47E-94		ENSG0000014	MTF2	0.91
8.73E-123	330,767	ENSG0000016	USP1	0.91
5.41E-307	336,606	ENSG0000008	MAPRE3	0.91
4.02E-08	113,533	ENSG0000012	KBTBD4	0.92
5.56E-10	332,931	ENSG0000017	ATG13	0.92
3.19E-89	310,716	ENSG0000010	SUGP1	0.92
4.02E-08	113,533	ENSG0000003	NUP160	0.92
1.94E-08	334,319	ENSG0000017	ABO	0.92
6.62E-19	164,865	ENSG0000006	TP53BP1	0.92
5.41E-307	336,606	ENSG0000022	OST4	0.92
3.65E-10	7,756	ENSG0000013	PTCD3	0.92
2.30E-08	312,285	ENSG0000025	TRNP1	0.93
3.19E-89	310,716	ENSG0000010	PBX4	0.94
2.33E-11	338,538	ENSG0000025	-	0.94
5.41E-307	336,606	ENSG0000016	DNAJC5G	0.94
5.30E-09	338,753	ENSG0000021	UBXN2B	0.94
3.65E-10	7,756	ENSG0000011	CHMP3	0.95
3.65E-10	7,756	ENSG0000013	MRPL35	0.95
5.41E-307	336,606	ENSG0000019	GPN1	0.95
5.56E-10	332,931	ENSG0000017	CKAP5	0.95
5.56E-10	332,931	ENSG0000013	DDB2	0.96
1.20E-10	341,343	ENSG0000014	TXNL4B	0.96
5.41E-307	336,606	ENSG0000024	MRPL33	0.96
5.41E-307	336,606	ENSG0000013	CGREF1	0.96
5.41E-307	336,606	ENSG0000024	ZNF512	0.97
2.83E-08	173,621	ENSG0000012	TMEM175	0.97
9.47E-94		ENSG0000012	CCDC18	0.97
6.62E-19	164,865	ENSG0000024	STRC	0.97
5.41E-307	336,606	ENSG0000017	CCDC121	0.97
6.06E-13	175,322	ENSG0000010	INTS10	0.98
1.29E-23	342,762	ENSG0000017	KLF14	0.98
6.62E-19	164,865	ENSG0000009	WDR76	0.98
7.28E-12	173,928	ENSG0000011	SUMO1	0.99
1.14E-23	338,437	ENSG0000011	HAVCR1	0.99
2.59E-10	309,120	ENSG0000018	IZUMO1	0.99
7.28E-12	173,928	ENSG0000022	-	0.99

6.62E-19	164,865	ENSG0000016(	CASC4	0.99
5.41E-307	336,606	ENSG0000011!	SLC30A3	0.99
5.56E-10	332,931	ENSG0000025(	-	0.99
2.99E-10	342,910	ENSG0000010!	MAPK10	0.99
3.65E-10	7,756	ENSG0000006!	REEP1	0.99
2.33E-11	338,538	ENSG0000018-	C8orf12	0.99
1.73E-55	332,336	ENSG0000016!	FEN1	1
4.02E-08	113,533	ENSG0000017-	C1QTNF4	1
2.59E-10	309,120	ENSG0000017(	MAMSTR	1
2.33E-11	338,538	ENSG0000023(	-	1
6.62E-19	164,865	ENSG0000016(	MAP1A	1
4.25E-11	102,125	ENSG0000010!	MPP2	1
5.41E-307	336,606	ENSG0000015-	DPYSL5	1
1.67E-26	341,101	ENSG0000012!	ATG4C	1
5.56E-10	332,931	ENSG0000014!	C11orf49	1

nemberships (using 14,461 reconstituted gene sets from DEPICT), om 500 pre-computed null GWAS. False-discovery rates (FDR) are d in detail in Pers et al. NatComm 2015.

Gene closest to lead SNP	Top cis eQTL SNP (Westra et al. Nature Genetics 2014)	False discovery rate
false	-	**<=0.01**
true	-	**<=0.01**
false	rs7528963	**<=0.01**
true	rs12610693	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
false	-	**<=0.01**
true	rs11669375	**<=0.01**
false	rs546	**<=0.01**
false	-	**<=0.01**
false	-	**<=0.01**
true	rs1926559	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
false	rs2472495	**<=0.01**
true	rs12678010	**<=0.01**
true	-	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
true	rs9472113;rs94721	**<=0.01**
true	rs12911658	**<=0.01**
true	rs1167742;rs16845	**<=0.01**
false	-	**<=0.01**
false	rs846897	**<=0.01**
false	rs281377	**<=0.01**
true	-	**<=0.01**
true	rs2297372;rs66230	**<=0.01**
false	rs968567	**<=0.01**
true	rs11991231	**<=0.01**
false	rs316024	**<=0.01**
false	rs1299525;rs70139	**<=0.01**
true	-	**<=0.01**
false	rs3758673	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**

true	rs11879589;rs1167	**<=0.01**
false	rs11680096;rs2011	**<=0.01**
true	rs968567	**<=0.01**
false	-	**<=0.01**
false	rs4752973	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
true	rs415317	**<=0.01**
false	rs17616620	**<=0.01**
true	rs5756968	**<=0.01**
false	rs4938353	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
true	-	**<=0.01**
false	-	**<=0.01**
true	-	**<=0.01**
true	rs11203964	**<=0.01**
false	-	**<=0.01**
true	rs4360309	**<=0.01**
false	rs10509961	**<0.05**
false	rs317915	**<0.05**
false	-	**<0.05**
false	-	**<0.05**
true	rs787677;rs127672	**<0.05**
false	rs7105851	**<0.05**
true	-	**<0.05**
true	-	**<0.05**
false	-	**<0.05**
false	-	**<0.05**
false	rs198462	<0.20
false	rs10790177;rs1871	<0.20
false	-	<0.20
false	rs3798209	<0.20
true	rs11207957	<0.20
false	rs7076601	<0.20
false	-	<0.20
false	-	<0.20
false	-	<0.20
false	rs12742115	<0.20
false	rs12752833	<0.20
false	rs17198607	<0.20
false	-	<0.20
false	rs203713	<0.20
true	-	<0.20
false	-	<0.20
false	-	<0.20
false	-	<0.20
true	-	<0.20
false	-	<0.20

false	-	<0.20
true	rs4896477	<0.20
false	rs1840326	<0.20
false	rs1230395	<0.20
false	rs1731902	<0.20
false	rs998683	<0.20
false	-	<0.20
false	-	>0.20
false	rs251033	>0.20
false	-	>0.20
true	rs10409727	>0.20
false	-	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20
true	rs17145813	>0.20
true	-	>0.20
true	-	>0.20
false	-	>0.20
false	rs1293320;rs15348	>0.20
false	rs11086985	>0.20
false	rs6909;rs7259773	>0.20
false	-	>0.20
false	rs2070852	>0.20
false	-	>0.20
false	rs16940462	>0.20
false	rs6435149;rs11050	>0.20
true	rs867757	>0.20
false	rs2304130	>0.20
true	rs17162315	>0.20
false	-	>0.20
true	rs4969170	>0.20
true	-	>0.20
false	rs1642592	>0.20
true	rs281377	>0.20
false	rs11974409	>0.20
false	rs4539273	>0.20
false	-	>0.20
false	rs850856	>0.20
false	rs11684134	>0.20
false	rs2240243	>0.20
false	-	>0.20
false	rs2242081	>0.20
false	rs1275510	>0.20
true	rs1128432;rs12918	>0.20
true	rs2301668	>0.20
false	rs12419692;rs1083	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20

false	-	>0.20
false	-	>0.20
false	rs1471251	>0.20
true	rs780090	>0.20
true	rs7107152	>0.20
false	rs1476459	>0.20
false	-	>0.20
false	rs1476512	>0.20
false	rs17145732	>0.20
false	-	>0.20
false	-	>0.20
false	-	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
false	-	>0.20
true	-	>0.20
false	rs4647709	>0.20
false	-	>0.20
false	rs4847240	>0.20
false	-	>0.20
false	-	>0.20
true	rs1145187	>0.20
false	-	>0.20
false	rs1275510	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
true	rs10962474	>0.20
false	rs7814834	>0.20
false	-	>0.20
true	-	>0.20
false	rs880090	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
true	rs4481612	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
false	-	>0.20
true	rs1260345;rs76025	>0.20
false	-	>0.20
false	rs2279460	>0.20
false	-	>0.20
false	-	>0.20
false	-	>0.20
false	rs11570115;rs1157	>0.20

true	-	>0.20
false	-	>0.20
false	rs4840568	>0.20
true	-	>0.20
true	rs3739095	>0.20
false	rs2470134	>0.20
true	rs3768	>0.20
false	rs7569853	>0.20
false	-	>0.20
false	rs7243789	>0.20
false	rs12899865	>0.20
false	rs4410870	>0.20
false	rs2002406	>0.20
false	-	>0.20
false	rs2815416	>0.20
true	rs1168089	>0.20
false	rs10203050	>0.20
false	rs2305280	>0.20
false	-	>0.20
false	-	>0.20
false	rs6485788	>0.20
true	rs9411463	>0.20
false	-	>0.20
false	-	>0.20
false	rs311571	>0.20
false	-	>0.20
false	rs12611058	>0.20
false	-	>0.20
false	-	>0.20
false	-	>0.20
false	rs308903	>0.20
true	rs10195199;rs4832	>0.20
false	-	>0.20
false	-	>0.20
false	rs3758674	>0.20
true	rs10492814	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20
true	rs6599389	>0.20
false	rs2433279	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
false	-	>0.20
false	-	>0.20

false	-	>0.20
false	rs2304713	>0.20
true	-	>0.20
true	-	>0.20
false	rs4832257	>0.20
false	-	>0.20
true	rs174469	>0.20
false	rs7927771	>0.20
false	-	>0.20
false	-	>0.20
true	rs2927085	>0.20
false	-	>0.20
false	-	>0.20
true	-	>0.20
false	rs4494268	>0.20

Supplementary Table 31: DEPICT gene set enrichment analysis results for the genome-wide sign
The gene set enrichment P values are derived by normalizing the sum of gene set membership z-s
from repeating the procedure 50 times based on 500 pre-computed null GWAS. The method is de

Original gene set ID	Original gene set description
MP:0000208	decreased hematocrit
GO:0019216	regulation of lipid metabolic process
GO:0043434	response to peptide hormone stimulus
MP:0001711	abnormal placenta morphology
MP:0005178	increased circulating cholesterol level
MP:0005292	improved glucose tolerance
GO:0052689	carboxylic ester hydrolase activity
MP:0009763	increased sensitivity to induced morbidity/mortality
MP:0000603	pale liver
ENSG00000171105	INSR PPI subnetwork
MP:0001914	hemorrhage
MP:0001764	abnormal homeostasis
MP:0005179	decreased circulating cholesterol level
MP:0010025	decreased total body fat amount
MP:0001915	intracranial hemorrhage
GO:0006006	glucose metabolic process
MP:0001716	abnormal placenta labyrinth morphology
ENSG00000186350	RXRA PPI subnetwork
REACTOME_GLUCOSE_METABOLISM	REACTOME_GLUCOSE_METABOLISM
MP:0000180	abnormal circulating cholesterol level
MP:0008735	increased susceptibility to endotoxin shock
MP:0000598	abnormal liver morphology
GO:0010876	lipid localization
GO:0016051	carbohydrate biosynthetic process
MP:0002118	abnormal lipid homeostasis
MP:0001552	increased circulating triglyceride level
GO:0005625	soluble fraction
MP:0000601	small liver
MP:0002078	abnormal glucose homeostasis
MP:0002727	decreased circulating insulin level
KEGG_INSULIN_SIGNALING_PATHWAY	KEGG_INSULIN_SIGNALING_PATHWAY
KEGG_PRION_DISEASES	KEGG_PRION_DISEASES
MP:0002874	decreased hemoglobin content
MP:0005559	increased circulating glucose level
GO:0019318	hexose metabolic process
GO:0034637	cellular carbohydrate biosynthetic process
MP:0005584	abnormal enzyme/coenzyme activity
MP:0000182	increased circulating LDL cholesterol level
MP:0002644	decreased circulating triglyceride level
REACTOME_METABOLISM_OF_LIPIDS_AND	REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS
REACTOME_LIPID_DIGESTION_MOBILIZATI(	REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_TRANSPC
MP:0011098	complete embryonic lethality during organogenesis
GO:0042277	peptide binding

GO:0031100	organ regeneration
MP:0000609	abnormal liver physiology
MP:0006396	decreased long bone epiphyseal plate size
MP:0009356	decreased liver triglyceride level
MP:0005659	decreased susceptibility to diet-induced obesity
MP:0003229	abnormal vitelline vasculature morphology
GO:0045834	positive regulation of lipid metabolic process
MP:0005145	increased circulating VLDL cholesterol level
GO:0010565	regulation of cellular ketone metabolic process
GO:0006869	lipid transport
MP:0002702	decreased circulating free fatty acid level
MP:0011091	complete prenatal lethality
GO:0005996	monosaccharide metabolic process
REACTOME_DIABETES_PATHWAYS	REACTOME_DIABETES_PATHWAYS
REACTOME_FATTY_ACID_TRIACYLGLYCERO	REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_B
GO:0006094	gluconeogenesis
MP:0003909	increased eating behavior
ENSG00000096968	JAK2 PPI subnetwork
MP:0005459	decreased percent body fat
MP:0011099	complete lethality throughout fetal growth and development
GO:0042803	protein homodimerization activity
MP:0002628	hepatic steatosis
ENSG00000160282	FTCD PPI subnetwork
REACTOME_REGULATION_OF_LIPID_META	REACTOME_REGULATION_OF_LIPID_METABOLISM_BY_PEROX
MP:0005278	abnormal cholesterol homeostasis
MP:0002981	increased liver weight
MP:0005668	decreased circulating leptin level
MP:0005319	abnormal enzyme/ coenzyme level
MP:0001654	hepatic necrosis
GO:0019319	hexose biosynthetic process
MP:0003717	pallor
MP:0009355	increased liver triglyceride level
MP:0008803	abnormal placental labyrinth vasculature morphology
REACTOME_PPARA_ACTIVATES_GENE_EXP	REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
REACTOME_HEMOSTASIS	REACTOME_HEMOSTASIS
GO:0034358	plasma lipoprotein particle
GO:0032994	protein-lipid complex
GO:0032868	response to insulin stimulus
MP:0005146	decreased circulating VLDL cholesterol level
MP:0008705	increased interleukin-6 secretion
MP:0001556	increased circulating HDL cholesterol level
GO:0031406	carboxylic acid binding
ENSG00000144668	ITGA9 PPI subnetwork
GO:0009991	response to extracellular stimulus
REACTOME_METABOLISM_OF_CARBOHYDI	REACTOME_METABOLISM_OF_CARBOHYDRATES
MP:0005560	decreased circulating glucose level
MP:0000607	abnormal hepatocyte morphology
MP:0000183	decreased circulating LDL cholesterol level
MP:0005289	increased oxygen consumption
GO:0004623	phospholipase A2 activity

MP:0001783	decreased white adipose tissue amount
MP:0008706	decreased interleukin-6 secretion
GO:0006641	triglyceride metabolic process
KEGG_PPAR_SIGNALING_PATHWAY	KEGG_PPAR_SIGNALING_PATHWAY
MP:0002079	increased circulating insulin level
GO:0046364	monosaccharide biosynthetic process
MP:0002875	decreased erythrocyte cell number
MP:0009289	decreased epididymal fat pad weight
GO:0071375	cellular response to peptide hormone stimulus
GO:0006639	acylglycerol metabolic process
MP:0002419	abnormal innate immunity
ENSG00000162409	PRKAA2 PPI subnetwork
ENSG00000068976	PYGM PPI subnetwork
GO:0046486	glycerolipid metabolic process
MP:0004151	decreased circulating iron level
MP:0005416	abnormal circulating protein level
MP:0011101	partial prenatal lethality
MP:0005325	abnormal renal glomerulus morphology
MP:0004255	abnormal spongiotrophoblast layer morphology
GO:0006638	neutral lipid metabolic process
GO:0018904	organic ether metabolic process
MP:0003658	abnormal capillary morphology
ENSG00000165409	TSHR PPI subnetwork
ENSG00000087245	MMP2 PPI subnetwork
GO:0031667	response to nutrient levels
GO:0034362	low-density lipoprotein particle
MP:0001860	liver inflammation
GO:0051241	negative regulation of multicellular organismal process
MP:0003179	decreased platelet cell number
MP:0001923	reduced female fertility
GO:0019842	vitamin binding
MP:0001722	pale yolk sac
REACTOME_LIPOPROTEIN_METABOLISM	REACTOME_LIPOPROTEIN_METABOLISM
MP:0005533	increased body temperature
MP:0001559	hyperglycemia
MP:0001577	anemia
GO:0046890	regulation of lipid biosynthetic process
MP:0005439	decreased glycogen level
MP:0003674	oxidative stress
MP:0000186	decreased circulating HDL cholesterol level
GO:0048029	monosaccharide binding
MP:0005558	decreased creatinine clearance
GO:0031093	platelet alpha granule lumen
GO:0006662	glycerol ether metabolic process
GO:0007599	hemostasis
GO:0010906	regulation of glucose metabolic process
REACTOME_PLATELET_DEGRANULATION	REACTOME_PLATELET_DEGRANULATION
GO:0060205	cytoplasmic membrane-bounded vesicle lumen
MP:0006058	decreased cerebral infarction size
GO:0097006	regulation of plasma lipoprotein particle levels

GO:0034774	secretory granule lumen
MP:0004229	abnormal embryonic erythropoiesis
GO:0019217	regulation of fatty acid metabolic process
MP:0009642	abnormal blood homeostasis
MP:0001622	abnormal vasculogenesis
ENSG00000119335	SET PPI subnetwork
GO:0051048	negative regulation of secretion
GO:0031099	regeneration
GO:0055088	lipid homeostasis
GO:0019203	carbohydrate phosphatase activity
GO:0050308	sugar-phosphatase activity
MP:0011353	expanded mesangial matrix
ENSG00000197561	ELANE PPI subnetwork
GO:0007596	blood coagulation
GO:0002020	protease binding
ENSG00000175899	A2M PPI subnetwork
GO:0031983	vesicle lumen
MP:0004259	small placenta
ENSG00000115415	STAT1 PPI subnetwork
GO:0046464	acylglycerol catabolic process
GO:0046461	neutral lipid catabolic process
GO:0044269	glycerol ether catabolic process
KEGG_ADIPOCYTOKINE_SIGNALING_PATHV	KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY
ENSG00000132464	ENAM PPI subnetwork
MP:0002891	increased insulin sensitivity
MP:0005517	decreased liver regeneration
MP:0001698	decreased embryo size
MP:0003984	embryonic growth retardation
ENSG00000160691	SHC1 PPI subnetwork
MP:0001547	abnormal lipid level
MP:0008770	decreased survivor rate
REACTOME_RESPONSE_TO_ELEVATED_PLA	REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYTOSOLIC
ENSG00000115461	IGFBP5 PPI subnetwork
GO:0071814	protein-lipid complex binding
GO:0071813	lipoprotein particle binding
GO:0050817	coagulation
GO:0042974	retinoic acid receptor binding
GO:0046503	glycerolipid catabolic process
ENSG00000128272	ATF4 PPI subnetwork
GO:0031091	platelet alpha granule
MP:0005339	increased susceptibility to atherosclerosis
GO:0009749	response to glucose stimulus
MP:0005281	increased fatty acid level
GO:0006109	regulation of carbohydrate metabolic process
ENSG00000126561	STAT5A PPI subnetwork
GO:0005506	iron ion binding
MP:0003795	abnormal bone structure
GO:0005504	fatty acid binding
GO:0051051	negative regulation of transport
REACTOME_HDL:MEDIATED_LIPID_TRANSP	REACTOME_HDL:MEDIATED_LIPID_TRANSPORT

GO:0009746	response to hexose stimulus
MP:0005331	insulin resistance
ENSG00000180210	F2 PPI subnetwork
REACTOME_INTEGRIN_CELL_SURFACE_INTI	REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS
MP:0008663	increased interleukin-12 secretion
GO:0010675	regulation of cellular carbohydrate metabolic process
ENSG00000127022	CANX PPI subnetwork
GO:0034364	high-density lipoprotein particle
ENSG00000164733	CTSB PPI subnetwork
ENSG00000179295	PTPN11 PPI subnetwork
MP:0000136	abnormal microglial cell morphology
REACTOME_GLUCONEOGENESIS	REACTOME_GLUCONEOGENESIS
GO:0006954	inflammatory response
MP:0000596	abnormal liver development
GO:0044242	cellular lipid catabolic process
REACTOME_TRANSCRIPTIONAL_REGULATIC	REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_AD
GO:0033293	monocarboxylic acid binding
MP:0003887	increased hepatocyte apoptosis
GO:0050660	flavin adenine dinucleotide binding
ENSG00000198646	NCOA6 PPI subnetwork
ENSG00000127445	PIN1 PPI subnetwork
GO:0032368	regulation of lipid transport
ENSG00000144908	ALDH1L1 PPI subnetwork
ENSG00000213625	LEPROT PPI subnetwork
GO:0016701	oxidoreductase activity, acting on single donors with incorpora
MP:0001712	abnormal placenta development
GO:0005796	Golgi lumen
GO:0019433	triglyceride catabolic process
GO:0008374	O-acyltransferase activity
MP:0008596	increased circulating interleukin-6 level
ENSG00000140443	IGF1R PPI subnetwork
GO:0032870	cellular response to hormone stimulus
ENSG00000115718	PROC PPI subnetwork
MP:0005637	abnormal iron homeostasis
ENSG00000146674	IGFBP3 PPI subnetwork
MP:0001846	increased inflammatory response
MP:0002086	abnormal extraembryonic tissue morphology
ENSG00000138685	FGF2 PPI subnetwork
GO:0032101	regulation of response to external stimulus
ENSG00000136352	NKX2-1 PPI subnetwork
ENSG00000198780	FAM169A PPI subnetwork
MP:0006264	decreased systemic arterial systolic blood pressure
GO:0019838	growth factor binding
GO:0051213	dioxygenase activity
GO:0016638	oxidoreductase activity, acting on the CH-NH2 group of donors
GO:0061135	endopeptidase regulator activity
ENSG00000017427	IGF1 PPI subnetwork
GO:0061134	peptidase regulator activity
GO:0008289	lipid binding
GO:0008610	lipid biosynthetic process

ENSG00000211896	ENSG00000211896 PPI subnetwork
GO:0044283	small molecule biosynthetic process
REACTOME_PLATELET_ACTIVATION_SIGNA	REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGRE
GO:0034284	response to monosaccharide stimulus
ENSG00000132693	CRP PPI subnetwork
GO:0018212	peptidyl-tyrosine modification
GO:0016702	oxidoreductase activity, acting on single donors with incorpora
MP:0001718	abnormal visceral yolk sac morphology
ENSG00000106804	C5 PPI subnetwork
ENSG00000173757	STAT5B PPI subnetwork
GO:0016042	lipid catabolic process
GO:0030414	peptidase inhibitor activity
ENSG00000154134	ROBO3 PPI subnetwork
GO:0004866	endopeptidase inhibitor activity
GO:0009295	nucleoid
MP:0005311	abnormal circulating amino acid level
GO:0010883	regulation of lipid storage
GO:0043086	negative regulation of catalytic activity
GO:0046470	phosphatidylcholine metabolic process
GO:0051384	response to glucocorticoid stimulus
KEGG_COMPLEMENT_AND_COAGULATION	KEGG_COMPLEMENT_AND_COAGULATION_CASCADES
GO:0005542	folic acid binding
GO:0071827	plasma lipoprotein particle organization
GO:0071825	protein-lipid complex subunit organization
ENSG00000211949	ENSG00000211949 PPI subnetwork
ENSG00000196954	CASP4 PPI subnetwork
GO:0006953	acute-phase response
GO:0004857	enzyme inhibitor activity
GO:0016298	lipase activity
ENSG00000123384	LRP1 PPI subnetwork
GO:0045017	glycerolipid biosynthetic process
ENSG00000186832	KRT16 PPI subnetwork
MP:0001790	abnormal immune system physiology
ENSG00000125730	C3 PPI subnetwork
MP:0005317	increased triglyceride level
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS	REACTOME_TRIGLYCERIDE_BIOSYNTHESIS
GO:0007584	response to nutrient
ENSG00000166949	SMAD3 PPI subnetwork
ENSG00000120063	GNA13 PPI subnetwork
GO:0032374	regulation of cholesterol transport
GO:0032371	regulation of sterol transport
GO:0004806	triglyceride lipase activity
MP:0002896	abnormal bone mineralization
MP:0002412	increased susceptibility to bacterial infection
MP:0005318	decreased triglyceride level
ENSG00000141736	ERBB2 PPI subnetwork
GO:0042598	vesicular fraction
MP:0003957	abnormal nitric oxide homeostasis
ENSG00000105974	CAV1 PPI subnetwork
REACTOME_SIGNALING_BY_SCF:KIT	REACTOME_SIGNALING_BY_SCF:KIT

MP:0002941	increased circulating alanine transaminase level
GO:0005537	mannose binding
GO:0046965	retinoid X receptor binding
MP:0002599	increased mean platelet volume
GO:0019915	lipid storage
GO:0005792	microsome
GO:0046460	neutral lipid biosynthetic process
GO:0046463	acylglycerol biosynthetic process
MP:0003355	decreased ovulation rate
GO:0051346	negative regulation of hydrolase activity
MP:0005282	decreased fatty acid level
GO:0019432	triglyceride biosynthetic process
MP:0002833	increased heart weight
GO:0015918	sterol transport
GO:0034369	plasma lipoprotein particle remodeling
GO:0034368	protein-lipid complex remodeling
GO:0034367	macromolecular complex remodeling
GO:0032787	monocarboxylic acid metabolic process
ENSG00000166598	HSP90B1 PPI subnetwork
KEGG_GLYCINE_SERINE_AND_THREONINE_	KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM
MP:0000189	hypoglycemia
MP:0002109	abnormal limb morphology
MP:0001780	decreased brown adipose tissue amount
REACTOME_GAMMA:CARBOXYLATION_TRA	REACTOME_GAMMA:CARBOXYLATION_TRANSPORT_AND_AM
MP:0002551	abnormal blood coagulation
GO:0030301	cholesterol transport
ENSG00000056345	ENSG00000056345 PPI subnetwork
MP:0001242	hyperkeratosis
GO:0004867	serine-type endopeptidase inhibitor activity
MP:0000599	enlarged liver
GO:0030246	carbohydrate binding
MP:0004952	increased spleen weight
ENSG00000130164	LDLR PPI subnetwork
MP:0000188	abnormal circulating glucose level
GO:0019218	regulation of steroid metabolic process
GO:0042645	mitochondrial nucleoid
GO:0050900	leukocyte migration
REACTOME_GLYCOLYSIS	REACTOME_GLYCOLYSIS
GO:0017127	cholesterol transporter activity
MP:0005025	abnormal response to infection
ENSG00000125998	FAM83C PPI subnetwork
REACTOME_PTM_GAMMA_CARBOXYLATIO	REACTOME_PTM_GAMMA_CARBOXYLATION_HYPUSINE_FOR
GO:0004620	phospholipase activity
GO:0015248	sterol transporter activity
ENSG00000084674	APOB PPI subnetwork
GO:0055092	sterol homeostasis
GO:0042632	cholesterol homeostasis
GO:0052547	regulation of peptidase activity
GO:0071495	cellular response to endogenous stimulus
MP:0000292	distended pericardium

ENSG00000102882	MAPK3 PPI subnetwork
MP:0002954	abnormal aerobic energy metabolism
GO:0018108	peptidyl-tyrosine phosphorylation
MP:0004947	skin inflammation
MP:0001719	absent vitelline blood vessels
GO:0060090	binding, bridging
MP:0008597	decreased circulating interleukin-6 level
MP:0001260	increased body weight
GO:0008203	cholesterol metabolic process
MP:0000689	abnormal spleen morphology
ENSG00000188313	PLSCR1 PPI subnetwork
MP:0001263	weight loss
GO:0005539	glycosaminoglycan binding
ENSG00000133935	C14orf1 PPI subnetwork
ENSG00000100448	CTSG PPI subnetwork
MP:0008721	abnormal chemokine level
ENSG00000184432	COPB2 PPI subnetwork
MP:0000691	enlarged spleen
REACTOME_DEVELOPMENTAL_BIOLOGY	REACTOME_DEVELOPMENTAL_BIOLOGY
GO:0048037	cofactor binding
ENSG00000136110	LECT1 PPI subnetwork
ENSG00000100030	MAPK1 PPI subnetwork
REACTOME_CELL_SURFACE_INTERACTIONS	REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCUL
MP:0003566	abnormal cell adhesion
MP:0001859	kidney inflammation
REACTOME_INNATE_IMMUNE_SYSTEM	REACTOME_INNATE_IMMUNE_SYSTEM
GO:0046504	glycerol ether biosynthetic process
ENSG00000117984	CTSD PPI subnetwork
MP:0000784	forebrain hypoplasia
MP:0001651	necrosis
MP:0000240	extramedullary hematopoiesis
GO:0016746	transferase activity, transferring acyl groups
MP:0008873	increased physiological sensitivity to xenobiotic
MP:0008577	increased circulating interferon-gamma level
MP:0000259	abnormal vascular development
MP:0004130	abnormal muscle cell glucose uptake
MP:0002575	increased circulating ketone body level
ENSG00000105976	MET PPI subnetwork
MP:0005332	abnormal amino acid level
MP:0009115	abnormal fat cell morphology
MP:0002971	abnormal brown adipose tissue morphology
ENSG00000167244	IGF2 PPI subnetwork
MP:0003333	liver fibrosis
ENSG00000119414	PPP6C PPI subnetwork
MP:0005201	abnormal retinal pigment epithelium morphology
MP:0008561	decreased tumor necrosis factor secretion
ENSG00000213044	ENSG00000213044 PPI subnetwork
GO:0034385	triglyceride-rich lipoprotein particle
GO:0034361	very-low-density lipoprotein particle
MP:0002723	abnormal immune serum protein physiology

MP:0006271	abnormal involution of the mammary gland
GO:0050994	regulation of lipid catabolic process
REACTOME_FORMATION_OF_FIBRIN_CLOT	REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCA
ENSG00000154582	TCEB1 PPI subnetwork
MP:0002652	thin myocardium
GO:0042157	lipoprotein metabolic process
MP:0005606	increased bleeding time
ENSG00000154262	ABCA6 PPI subnetwork
MP:0008553	increased circulating tumor necrosis factor level
MP:0004686	decreased length of long bones
GO:0005976	polysaccharide metabolic process
ENSG00000164344	KLKB1 PPI subnetwork
REACTOME_CHYLOMICRON:MEDIATED_LIP	REACTOME_CHYLOMICRON:MEDIATED_LIPID_TRANSPORT
MP:0008722	abnormal chemokine secretion
GO:0016747	transferase activity, transferring acyl groups other than amino
GO:0030674	protein binding, bridging
ENSG00000168490	PHYHIP PPI subnetwork
MP:0008808	decreased spleen iron level
MP:0000187	abnormal triglyceride level
MP:0001601	abnormal myelopoiesis
GO:0010466	negative regulation of peptidase activity
MP:0003725	increased autoantibody level
MP:0004777	abnormal phospholipid level
MP:0002451	abnormal macrophage physiology
GO:0043202	lysosomal lumen
MP:0002962	increased urine protein level
MP:0000221	decreased leukocyte cell number
ENSG00000050820	BCAR1 PPI subnetwork
MP:0001195	flaky skin
MP:0000639	abnormal adrenal gland morphology
ENSG00000075643	MOCOS PPI subnetwork
GO:0030169	low-density lipoprotein particle binding
MP:0000807	abnormal hippocampus morphology
GO:0000062	fatty-acyl-CoA binding
REACTOME_UNFOLDED_PROTEIN_RESPON	REACTOME_UNFOLDED_PROTEIN_RESPONSE
GO:0010951	negative regulation of endopeptidase activity
MP:0011093	complete embryonic lethality at implantation
ENSG00000025800	KPNA6 PPI subnetwork
GO:0034375	high-density lipoprotein particle remodeling
GO:0005811	lipid particle
ENSG00000185010	F8 PPI subnetwork
ENSG00000183386	FHL3 PPI subnetwork
GO:0001871	pattern binding
GO:0030247	polysaccharide binding
MP:0008844	decreased subcutaneous adipose tissue amount
ENSG00000198336	MYL4 PPI subnetwork
GO:0033344	cholesterol efflux
MP:0004883	abnormal vascular wound healing
ENSG00000100842	EFS PPI subnetwork
KEGG_ARGININE_AND_PROLINE_METABOL	KEGG_ARGININE_AND_PROLINE_METABOLISM

GO:0034381	plasma lipoprotein particle clearance
REACTOME_GLYCOGEN_BREAKDOWN_GLY	REACTOME_GLYCOGEN_BREAKDOWN_GLYCOGENOLYSIS
GO:0002237	response to molecule of bacterial origin
MP:0002743	glomerulonephritis
GO:0044419	interspecies interaction between organisms
REACTOME_INTEGRIN_ALPHAIIB_BETA3_SI	REACTOME_INTEGRIN_ALPHAIIB_BETA3_SIGNALING
REACTOME_INTRINSIC_PATHWAY	REACTOME_INTRINSIC_PATHWAY
ENSG00000170365	SMAD1 PPI subnetwork
ENSG00000171735	CAMTA1 PPI subnetwork
ENSG00000070193	FGF10 PPI subnetwork
MP:0002781	increased circulating testosterone level
MP:0005565	increased blood urea nitrogen level
GO:0007568	aging
GO:0015485	cholesterol binding
GO:0051270	regulation of cellular component movement
ENSG00000120156	TEK PPI subnetwork
MP:0001614	abnormal blood vessel morphology
GO:0046165	alcohol biosynthetic process
ENSG00000168454	TXNDC2 PPI subnetwork
MP:0008734	decreased susceptibility to endotoxin shock
MP:0003724	increased susceptibility to induced arthritis
ENSG00000131187	F12 PPI subnetwork
ENSG00000163631	ALB PPI subnetwork
ENSG00000161638	ITGA5 PPI subnetwork
MP:0003091	abnormal cell migration
ENSG00000197766	CFD PPI subnetwork
ENSG00000171401	KRT13 PPI subnetwork
GO:0031960	response to corticosteroid stimulus
ENSG00000196396	PTPN1 PPI subnetwork
KEGG_TRYPTOPHAN_METABOLISM	KEGG_TRYPTOPHAN_METABOLISM
ENSG00000112964	GHR PPI subnetwork
ENSG00000166285	ENSG00000166285 PPI subnetwork
ENSG00000204359	CFB PPI subnetwork
GO:0043498	cell surface binding
MP:0001209	spontaneous skin ulceration
ENSG00000196911	KPNA5 PPI subnetwork
ENSG00000206340	C4A PPI subnetwork
GO:0006631	fatty acid metabolic process
MP:0002810	microcytic anemia
ENSG00000137975	CLCA2 PPI subnetwork
KEGG_LYSINE_DEGRADATION	KEGG_LYSINE_DEGRADATION
GO:0016125	sterol metabolic process
MP:0005642	decreased mean corpuscular hemoglobin concentration
ENSG00000034971	MYOC PPI subnetwork
ENSG00000077809	GTF2I PPI subnetwork
ENSG00000109819	PPARGC1A PPI subnetwork
REACTOME_METABOLISM_OF_WATER:SOL	REACTOME_METABOLISM_OF_WATER:SOLUBLE_VITAMINS_A
REACTOME_METABOLISM_OF_VITAMINS_A	REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS
GO:0040008	regulation of growth
ENSG00000105401	CDC37 PPI subnetwork

MP:0008713	abnormal cytokine level
GO:0016705	oxidoreductase activity, acting on paired donors, with incorpo
ENSG00000164078	MST1R PPI subnetwork
MP:0005031	abnormal trophoblast layer morphology
ENSG00000196540	ENSG00000196540 PPI subnetwork
ENSG00000118137	APOA1 PPI subnetwork
ENSG00000215756	ENSG00000215756 PPI subnetwork
ENSG00000131910	NR0B2 PPI subnetwork
ENSG00000115414	FN1 PPI subnetwork
GO:0071702	organic substance transport
GO:0032496	response to lipopolysaccharide
GO:2000145	regulation of cell motility
MP:0004921	decreased placenta weight
GO:0019200	carbohydrate kinase activity
ENSG00000167711	SERPINF2 PPI subnetwork
ENSG00000169047	IRS1 PPI subnetwork
ENSG00000204983	PRSS1 PPI subnetwork
MP:0011108	partial embryonic lethality during organogenesis
MP:0006055	abnormal vascular endothelial cell morphology
ENSG00000150093	ITGB1 PPI subnetwork
ENSG00000090339	ICAM1 PPI subnetwork
ENSG00000038002	AGA PPI subnetwork
ENSG00000188994	ZNF292 PPI subnetwork
ENSG00000121966	CXCR4 PPI subnetwork
GO:0070328	triglyceride homeostasis
MP:0008752	abnormal tumor necrosis factor level
ENSG00000088926	F11 PPI subnetwork
ENSG00000170486	KRT72 PPI subnetwork
ENSG00000165731	RET PPI subnetwork
MP:0000600	liver hypoplasia
MP:0005670	abnormal white adipose tissue physiology
GO:0009896	positive regulation of catabolic process
GO:0040012	regulation of locomotion
GO:0052548	regulation of endopeptidase activity
ENSG00000168907	PLA2G4F PPI subnetwork
ENSG00000205813	ENSG00000205813 PPI subnetwork
ENSG00000109272	PF4V1 PPI subnetwork
ENSG00000197263	OR8D2 PPI subnetwork
MP:0009643	abnormal urine homeostasis
GO:0005543	phospholipid binding
ENSG00000215320	ENSG00000215320 PPI subnetwork
GO:0050662	coenzyme binding
ENSG00000179715	FAM113B PPI subnetwork
ENSG00000103742	IGDCC4 PPI subnetwork
MP:0005341	decreased susceptibility to atherosclerosis
MP:0002665	decreased circulating corticosterone level
ENSG00000122861	PLAU PPI subnetwork
ENSG00000167751	KLK2 PPI subnetwork
REACTOME_COMPLEMENT_CASCADE	REACTOME_COMPLEMENT_CASCADE
ENSG00000174697	LEP PPI subnetwork

GO:0032452	histone demethylase activity
ENSG00000055957	ITIH1 PPI subnetwork
MP:0005048	thrombosis
ENSG00000182446	NPLOC4 PPI subnetwork
GO:0043691	reverse cholesterol transport
MP:0002780	decreased circulating testosterone level
MP:0005508	abnormal skeleton morphology
ENSG00000004799	PDK4 PPI subnetwork
MP:0011109	partial lethality throughout fetal growth and development
ENSG00000124006	OBSL1 PPI subnetwork
ENSG00000110169	HPX PPI subnetwork
MP:0000322	increased granulocyte number
ENSG00000173039	RELA PPI subnetwork
ENSG00000039537	C6 PPI subnetwork
KEGG_FRUCTOSE_AND_MANNOSE_METAB	KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM
MP:0008560	increased tumor necrosis factor secretion
MP:0000358	abnormal cell morphology
MP:0002421	abnormal cell-mediated immunity
ENSG00000170871	KIAA0232 PPI subnetwork
MP:0001200	thick skin
REACTOME_PLATELET_AGGREGATION_PLU	REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION
GO:0050997	quaternary ammonium group binding
ENSG00000001167	NFYA PPI subnetwork
ENSG00000150527	CTAGE5 PPI subnetwork
MP:0001787	pericardial edema
GO:0001890	placenta development
MP:0001179	thick pulmonary interalveolar septum
MP:0002397	abnormal bone marrow morphology
MP:0003953	abnormal hormone level
ENSG00000167768	KRT1 PPI subnetwork
MP:0001882	abnormal lactation
ENSG00000186895	FGF3 PPI subnetwork
ENSG00000168610	STAT3 PPI subnetwork
MP:0000414	alopecia
MP:0011086	partial postnatal lethality
GO:0050727	regulation of inflammatory response
MP:0011506	glomerular crescent
GO:0051248	negative regulation of protein metabolic process
GO:0033500	carbohydrate homeostasis
GO:0042593	glucose homeostasis
ENSG00000133805	AMPD3 PPI subnetwork
MP:0001245	thick dermal layer
KEGG_PEROXISOME	KEGG_PEROXISOME
MP:0011097	complete embryonic lethality before turning of embryo
KEGG_ACUTE_MYELOID_LEUKEMIA	KEGG_ACUTE_MYELOID_LEUKEMIA
MP:0001510	abnormal coat appearance
ENSG00000118972	FGF23 PPI subnetwork
GO:0009897	external side of plasma membrane
ENSG00000204319	ENSG00000204319 PPI subnetwork
GO:0051223	regulation of protein transport

GO:0010888	negative regulation of lipid storage
MP:0002135	abnormal kidney morphology
GO:0044438	microbody part
GO:0044439	peroxisomal part
GO:0016706	oxidoreductase activity, acting on paired donors, with incorpo
MP:0004810	decreased hematopoietic stem cell number
GO:0051259	protein oligomerization
MP:0001853	heart inflammation
ENSG00000146535	GNA12 PPI subnetwork
MP:0001926	female infertility
GO:0016878	acid-thiol ligase activity
MP:0000295	trabecula carnea hypoplasia
ENSG00000110245	APOC3 PPI subnetwork
ENSG00000215755	ENSG00000215755 PPI subnetwork
GO:0070201	regulation of establishment of protein localization
GO:0008286	insulin receptor signaling pathway
ENSG00000185479	KRT6B PPI subnetwork
MP:0003070	increased vascular permeability
ENSG00000103653	CSK PPI subnetwork
GO:0032869	cellular response to insulin stimulus
ENSG00000138798	EGF PPI subnetwork
ENSG00000118690	ARMC2 PPI subnetwork
ENSG00000109072	SEBOX PPI subnetwork
MP:0003194	abnormal frequency of paradoxical sleep
GO:0046209	nitric oxide metabolic process
GO:0044282	small molecule catabolic process
MP:0008973	decreased erythroid progenitor cell number
MP:0002500	granulomatous inflammation
ENSG00000083093	PALB2 PPI subnetwork
MP:0005015	increased T cell number
MP:0002192	hydrops fetalis
GO:0030099	myeloid cell differentiation
ENSG00000106070	GRB10 PPI subnetwork
ENSG00000162344	FGF19 PPI subnetwork
ENSG00000156427	FGF18 PPI subnetwork
ENSG00000070388	FGF22 PPI subnetwork
ENSG00000107831	FGF8 PPI subnetwork
ENSG00000158815	FGF17 PPI subnetwork
ENSG00000111241	FGF6 PPI subnetwork
MP:0011423	kidney cortex atrophy
GO:0043499	eukaryotic cell surface binding
ENSG00000157557	ETS2 PPI subnetwork
GO:0038024	cargo receptor activity
GO:0008202	steroid metabolic process
GO:0005775	vacuolar lumen
ENSG00000100346	CACNA1I PPI subnetwork
ENSG00000142208	AKT1 PPI subnetwork
MP:0001785	edema
MP:0003055	abnormal long bone epiphyseal plate morphology
ENSG00000173281	PPP1R3B PPI subnetwork

ENSG00000117601	SERPINC1 PPI subnetwork
ENSG00000158874	APOA2 PPI subnetwork
MP:0002499	chronic inflammation
MP:0003436	decreased susceptibility to induced arthritis
MP:0001554	increased circulating free fatty acid level
ENSG00000198104	OR2T6 PPI subnetwork
REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLR2_CASCADE
REACTOME_MYD88MAL_CASCADE_INITIAT	REACTOME_MYD88MAL_CASCADE_INITIATED_ON_PLASMA_I
REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLR2_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_	REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_CASCADE
ENSG00000163737	PF4 PPI subnetwork
ENSG00000156273	BACH1 PPI subnetwork
GO:0005319	lipid transporter activity
MP:0004214	abnormal long bone diaphysis morphology
GO:0002526	acute inflammatory response
ENSG00000198734	F5 PPI subnetwork
ENSG00000136250	AOAH PPI subnetwork
MP:0005076	abnormal cell differentiation
GO:0009986	cell surface
ENSG00000120899	PTK2B PPI subnetwork
MP:0008874	decreased physiological sensitivity to xenobiotic
ENSG00000072778	ACADVL PPI subnetwork
ENSG00000088833	NSFL1C PPI subnetwork
ENSG00000057593	F7 PPI subnetwork
GO:0090207	regulation of triglyceride metabolic process
ENSG00000000971	CFH PPI subnetwork
ENSG00000138675	FGF5 PPI subnetwork
ENSG00000135100	HNF1A PPI subnetwork
ENSG00000181827	RFX7 PPI subnetwork
MP:0002843	decreased systemic arterial blood pressure
ENSG00000135047	CTSL1 PPI subnetwork
GO:0042379	chemokine receptor binding
ENSG00000181929	PRKAG1 PPI subnetwork
GO:0019955	cytokine binding
GO:0005768	endosome
MP:0000642	enlarged adrenal glands
GO:0004252	serine-type endopeptidase activity
GO:0004091	carboxylesterase activity
ENSG00000123268	ATF1 PPI subnetwork
ENSG00000142798	HSPG2 PPI subnetwork
MP:0000133	abnormal long bone metaphysis morphology
REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_	REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE
GO:0042579	microbody
GO:0005777	peroxisome
ENSG00000132703	APCS PPI subnetwork
GO:0001944	vasculature development
ENSG00000126934	MAP2K2 PPI subnetwork
ENSG00000132825	PPP1R3D PPI subnetwork
GO:0031347	regulation of defense response
MP:0010872	increased trabecular bone mass

ENSG00000196611	MMP1 PPI subnetwork
MP:0011092	complete embryonic lethality
MP:0010027	increased liver cholesterol level
GO:0042493	response to drug
ENSG00000006075	CCL3 PPI subnetwork
ENSG00000100393	EP300 PPI subnetwork
GO:0020037	heme binding
ENSG00000137710	RDX PPI subnetwork
GO:0045923	positive regulation of fatty acid metabolic process
GO:0046394	carboxylic acid biosynthetic process
GO:0016053	organic acid biosynthetic process
ENSG00000050748	MAPK9 PPI subnetwork
MP:0003982	increased cholesterol level
ENSG00000138768	USO1 PPI subnetwork
GO:0034097	response to cytokine stimulus
ENSG00000107338	SHB PPI subnetwork
GO:0008009	chemokine activity
GO:0042439	ethanolamine-containing compound metabolic process
MP:0002640	reticulocytosis
ENSG00000042832	TG PPI subnetwork
MP:0003503	decreased activity of thyroid
MP:0002908	delayed wound healing
GO:0055065	metal ion homeostasis
REACTOME_COMMON_PATHWAY	REACTOME_COMMON_PATHWAY
MP:0005312	pericardial effusion
MP:0004773	abnormal bile composition
ENSG00000164692	COL1A2 PPI subnetwork
MP:0005362	abnormal Langerhans cell physiology
REACTOME_BMAL1CLOCKNPAS2_ACTIVATE	REACTOME_BMAL1CLOCKNPAS2_ACTIVATES_GENE_EXPRESSI
GO:0042304	regulation of fatty acid biosynthetic process
GO:0046906	tetrapyrrole binding
ENSG00000103363	TCEB2 PPI subnetwork
MP:0001201	translucent skin
GO:0070325	lipoprotein particle receptor binding
MP:0011427	mesangial cell hyperplasia
ENSG00000172594	SMPDL3A PPI subnetwork
ENSG00000197818	SLC9A8 PPI subnetwork
KEGG_GLYCEROLIPID_METABOLISM	KEGG_GLYCEROLIPID_METABOLISM
ENSG00000137486	ARRB1 PPI subnetwork
MP:0000165	abnormal long bone hypertrophic chondrocyte zone
MP:0005065	abnormal neutrophil morphology
GO:0004713	protein tyrosine kinase activity
MP:0000681	abnormal thyroid gland morphology
MP:0002357	abnormal spleen white pulp morphology
ENSG00000150907	FOXO1 PPI subnetwork
GO:0005782	peroxisomal matrix
GO:0031907	microbody lumen
ENSG00000126218	F10 PPI subnetwork
GO:0000271	polysaccharide biosynthetic process
ENSG00000141646	SMAD4 PPI subnetwork

ENSG00000110395	CBL PPI subnetwork
ENSG00000182010	RTKN2 PPI subnetwork
MP:0005027	increased susceptibility to parasitic infection
GO:0050810	regulation of steroid biosynthetic process
KEGG_FATTY_ACID_METABOLISM	KEGG_FATTY_ACID_METABOLISM
GO:0044433	cytoplasmic vesicle part
ENSG00000007264	MATK PPI subnetwork
ENSG00000170345	FOS PPI subnetwork
MP:0002416	abnormal proerythroblast morphology
GO:0008201	heparin binding
MP:0005621	abnormal cell physiology
KEGG_NITROGEN_METABOLISM	KEGG_NITROGEN_METABOLISM
GO:0005791	rough endoplasmic reticulum
MP:0005264	glomerulosclerosis
ENSG00000099985	OSM PPI subnetwork
MP:0002410	decreased susceptibility to viral infection
GO:0051093	negative regulation of developmental process
MP:0000465	gastrointestinal hemorrhage
REACTOME_P130CAS_LINKAGE_TO_MAPK_	REACTOME_P130CAS_LINKAGE_TO_MAPK_SIGNALING_FOR_I
MP:0008751	abnormal interleukin level
MP:0001239	abnormal epidermis stratum granulosum morphology
ENSG00000164077	MON1A PPI subnetwork
ENSG00000177951	BET1L PPI subnetwork
MP:0003638	abnormal response/metabolism to endogenous compounds
ENSG00000154415	PPP1R3A PPI subnetwork
MP:0005309	increased circulating ammonia level
ENSG00000005339	CREBBP PPI subnetwork
REACTOME_TOLL_RECEPTOR_CASCADES	REACTOME_TOLL_RECEPTOR_CASCADES
ENSG00000138448	ITGAV PPI subnetwork
GO:0001666	response to hypoxia
REACTOME_FATTY_ACYL:COA_BIOSYNTHES	REACTOME_FATTY_ACYL:COA_BIOSYNTHESIS
ENSG00000114315	HES1 PPI subnetwork
ENSG00000037280	FLT4 PPI subnetwork
ENSG00000136634	IL10 PPI subnetwork
MP:0001861	lung inflammation
ENSG00000065833	ME1 PPI subnetwork
ENSG00000141480	ARRB2 PPI subnetwork
MP:0000333	decreased bone marrow cell number
ENSG00000077943	ITGA8 PPI subnetwork
MP:0005023	abnormal wound healing
MP:0000130	abnormal trabecular bone morphology
ENSG00000197943	PLCG2 PPI subnetwork
MP:0001585	hemolytic anemia
MP:0002344	abnormal lymph node B cell domain morphology
REACTOME_ACTIVATED_TLR4_SIGNALLING	REACTOME_ACTIVATED_TLR4_SIGNALLING
ENSG00000215754	ENSG00000215754 PPI subnetwork
REACTOME_ERKMAPK_TARGETS	REACTOME_ERKMAPK_TARGETS
MP:0003409	decreased width of hypertrophic chondrocyte zone
GO:0045940	positive regulation of steroid metabolic process
ENSG00000171557	FGG PPI subnetwork

MP:0005599	increased cardiac muscle contractility
GO:0002576	platelet degranulation
MP:0001212	skin lesions
REACTOME_GAB1_SIGNALOSOME	REACTOME_GAB1_SIGNALOSOME
ENSG00000198053	SIRPA PPI subnetwork
MP:0001613	abnormal vasodilation
GO:0046982	protein heterodimerization activity
ENSG00000173207	CKS1B PPI subnetwork
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VIA
MP:0009549	decreased platelet aggregation
GO:0016641	oxidoreductase activity, acting on the CH-NH2 group of donors
MP:0001541	abnormal osteoclast physiology
MP:0009858	abnormal cellular extravasation
REACTOME_INITIAL_TRIGGERING_OF_COM	REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT
MP:0001858	intestinal inflammation
ENSG00000171564	FGB PPI subnetwork
GO:0032934	sterol binding
KEGG_GLYCEROPHOSPHOLIPID_METABOLIS	KEGG_GLYCEROPHOSPHOLIPID_METABOLISM
GO:0045765	regulation of angiogenesis
ENSG00000130382	MLLT1 PPI subnetwork
MP:0000245	abnormal erythropoiesis
REACTOME_ACTIVATED_AMPK_STIMULATE	REACTOME_ACTIVATED_AMPK_STIMULATES_FATTY:ACID_OX
MP:0004502	decreased incidence of chemically-induced tumors
ENSG00000140795	MYLK3 PPI subnetwork
REACTOME_HORMONE:SENSITIVE_LIPASE_	REACTOME_HORMONE:SENSITIVE_LIPASE_HSL:MEDIATED_TR
ENSG00000122218	COPA PPI subnetwork
GO:0006090	pyruvate metabolic process
REACTOME_GLUCOSE_TRANSPORT	REACTOME_GLUCOSE_TRANSPORT
MP:0003634	abnormal glial cell morphology
MP:0008533	abnormal anterior visceral endoderm morphology
GO:0065005	protein-lipid complex assembly
GO:0034377	plasma lipoprotein particle assembly
REACTOME_GRB2SOS_PROVIDES_LINKAGE	REACTOME_GRB2SOS_PROVIDES_LINKAGE_TO_MAPK_SIGNA
ENSG00000116678	LEPR PPI subnetwork
GO:0001568	blood vessel development
GO:0016836	hydro-lyase activity
GO:0016877	ligase activity, forming carbon-sulfur bonds
GO:0051427	hormone receptor binding
GO:0050661	NADP binding
MP:0009766	increased sensitivity to xenobiotic induced morbidity/mortalit
GO:0006897	endocytosis
GO:0010324	membrane invagination
GO:0090077	foam cell differentiation
GO:0010742	macrophage derived foam cell differentiation
ENSG00000122194	PLG PPI subnetwork
ENSG00000187266	EPOR PPI subnetwork
GO:0030141	secretory granule
ENSG00000167601	AXL PPI subnetwork
MP:0000067	osteopetrosis
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_IN	KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION

MP:0003141	cardiac fibrosis
MP:0008034	enhanced lipolysis
KEGG_BETA_ALANINE_METABOLISM	KEGG_BETA_ALANINE_METABOLISM
ENSG00000179218	CALR PPI subnetwork
ENSG00000101365	IDH3B PPI subnetwork
ENSG00000007402	CACNA2D2 PPI subnetwork
REACTOME_REGULATION_OF_INSULIN:LIKE	REACTOME_REGULATION_OF_INSULIN:LIKE_GROWTH_FACTC
ENSG00000140285	FGF7 PPI subnetwork
MP:0003662	abnormal long bone epiphyseal plate proliferative zone
ENSG00000161202	DVL3 PPI subnetwork
GO:0016829	lyase activity
KEGG_JAK_STAT_SIGNALING_PATHWAY	KEGG_JAK_STAT_SIGNALING_PATHWAY
GO:0001701	in utero embryonic development
MP:0005669	increased circulating leptin level
MP:0002753	dilated heart left ventricle
MP:0005164	abnormal response to injury
MP:0008246	abnormal leukocyte morphology
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_ATF6:ALPHA
MP:0005602	decreased angiogenesis
GO:0032844	regulation of homeostatic process
MP:0008641	increased circulating interleukin-1 beta level
KEGG_CHEMOKINE_SIGNALING_PATHWAY	KEGG_CHEMOKINE_SIGNALING_PATHWAY
REACTOME_GROWTH_HORMONE_RECEPT(	REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING
MP:0002463	abnormal neutrophil physiology
GO:0048545	response to steroid hormone stimulus
GO:0017171	serine hydrolase activity
MP:0008033	impaired lipolysis
GO:0055080	cation homeostasis
MP:0005458	increased percent body fat
GO:0031331	positive regulation of cellular catabolic process
GO:0008236	serine-type peptidase activity
GO:0030334	regulation of cell migration
GO:0033993	response to lipid
GO:0030145	manganese ion binding
GO:0009894	regulation of catabolic process
ENSG00000136244	IL6 PPI subnetwork
MP:0001258	decreased body length
REACTOME_NFKB_AND_MAP_KINASES_AC	REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIAT
ENSG00000144891	AGTR1 PPI subnetwork
GO:0010743	regulation of macrophage derived foam cell differentiation
ENSG00000134352	IL6ST PPI subnetwork
GO:0016411	acylglycerol O-acyltransferase activity
ENSG00000135341	MAP3K7 PPI subnetwork
GO:0010745	negative regulation of macrophage derived foam cell different
ENSG00000081479	LRP2 PPI subnetwork
ENSG00000106617	PRKAG2 PPI subnetwork
ENSG00000043355	ZIC2 PPI subnetwork
ENSG00000196083	IL1RAP PPI subnetwork
REACTOME_SIGNALING_BY_FGFR	REACTOME_SIGNALING_BY_FGFR
ENSG00000100284	TOM1 PPI subnetwork

ENSG00000130203	APOE PPI subnetwork
GO:0015932	nucleobase-containing compound transmembrane transporte
ENSG00000151693	ASAP2 PPI subnetwork
MP:0003657	abnormal erythrocyte osmotic lysis
MP:0004057	thin myocardium compact layer
REACTOME_TOLL_LIKE_RECEPTOR_10_TLR	REACTOME_TOLL_LIKE_RECEPTOR_10_TLR10_CASCADE
REACTOME_MYD88_CASCADE_INITIATED_(	REACTOME_MYD88_CASCADE_INITIATED_ON_PLASMA_MEM
REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_	REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_CASCADE
MP:0001259	abnormal body weight
ENSG00000139514	SLC7A1 PPI subnetwork
GO:0034433	steroid esterification
GO:0034434	sterol esterification
GO:0034435	cholesterol esterification
GO:0051183	vitamin transporter activity
GO:0060191	regulation of lipase activity
ENSG00000136108	CKAP2 PPI subnetwork
MP:0001257	increased body length
ENSG00000197122	SRC PPI subnetwork
ENSG00000187498	COL4A1 PPI subnetwork
ENSG00000125686	MED1 PPI subnetwork
ENSG00000162434	JAK1 PPI subnetwork
GO:0005496	steroid binding
ENSG00000148965	SAA4 PPI subnetwork
ENSG00000130726	TRIM28 PPI subnetwork
GO:0019900	kinase binding
ENSG00000173406	DAB1 PPI subnetwork
REACTOME_ABCA_TRANSPORTERS_IN_LIPI	REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS
REACTOME_METABOLISM_OF_AMINO_ACI	REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVAT
ENSG00000110931	CAMKK2 PPI subnetwork
ENSG00000156127	BATF PPI subnetwork
GO:0031300	intrinsic to organelle membrane
ENSG00000116030	SUMO1 PPI subnetwork
ENSG00000075388	FGF4 PPI subnetwork
ENSG00000142273	CBLC PPI subnetwork
MP:0002816	colitis
ENSG00000091831	ESR1 PPI subnetwork
MP:0004982	abnormal osteoclast morphology
REACTOME_INTERLEUKIN:1_SIGNALING	REACTOME_INTERLEUKIN:1_SIGNALING
MP:0005334	abnormal fat pad morphology
GO:0006732	coenzyme metabolic process
ENSG00000174718	C12orf35 PPI subnetwork
ENSG00000169220	RGS14 PPI subnetwork
GO:0006073	cellular glucan metabolic process
GO:0044042	glucan metabolic process
ENSG00000005961	ITGA2B PPI subnetwork
MP:0002080	prenatal lethality
GO:0016597	amino acid binding
ENSG00000159216	RUNX1 PPI subnetwork
MP:0003071	decreased vascular permeability
GO:0005977	glycogen metabolic process

MP:0002871	albuminuria
ENSG00000131759	RARA PPI subnetwork
GO:0030258	lipid modification
MP:0003853	dry skin
MP:0005293	impaired glucose tolerance
ENSG00000112936	C7 PPI subnetwork
ENSG00000160791	CCR5 PPI subnetwork
ENSG00000215778	ENSG00000215778 PPI subnetwork
GO:0070279	vitamin B6 binding
GO:0030170	pyridoxal phosphate binding
REACTOME_PLATELET_SENSITIZATION_BY_	REACTOME_PLATELET_SENSITIZATION_BY_LDL
REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_	REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE
ENSG00000100632	ERH PPI subnetwork
ENSG00000107623	GDF10 PPI subnetwork
GO:0016634	oxidoreductase activity, acting on the CH-CH group of donors,
MP:0005449	abnormal food intake
GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
ENSG00000125538	IL1B PPI subnetwork
GO:0006875	cellular metal ion homeostasis
ENSG00000146963	LUC7L2 PPI subnetwork
ENSG00000185338	SOCS1 PPI subnetwork
ENSG00000124151	NCOA3 PPI subnetwork
GO:0042562	hormone binding
ENSG00000113658	SMAD5 PPI subnetwork
ENSG00000117500	TMED5 PPI subnetwork
GO:0006000	fructose metabolic process
MP:0001685	abnormal endoderm development
GO:0034440	lipid oxidation
MP:0001730	embryonic growth arrest
REACTOME_PYRUVATE_METABOLISM	REACTOME_PYRUVATE_METABOLISM
ENSG00000104812	GYS1 PPI subnetwork
GO:0005126	cytokine receptor binding
ENSG00000103319	EEF2K PPI subnetwork
ENSG00000125810	CD93 PPI subnetwork
GO:0007259	JAK-STAT cascade
GO:0070482	response to oxygen levels
KEGG_PHENYLALANINE_METABOLISM	KEGG_PHENYLALANINE_METABOLISM
GO:0032451	demethylase activity
MP:0008478	increased spleen white pulp amount
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_PROINFLAMM
GO:0005788	endoplasmic reticulum lumen
GO:0009071	serine family amino acid catabolic process
ENSG00000155508	CNOT8 PPI subnetwork
MP:0001134	absent corpus luteum
GO:0004860	protein kinase inhibitor activity
KEGG_ALPHA_LINOLENIC_ACID_METABOLI	KEGG_ALPHA_LINOLENIC_ACID_METABOLISM
GO:0006633	fatty acid biosynthetic process
ENSG00000169429	IL8 PPI subnetwork
ENSG00000160999	SH2B2 PPI subnetwork
MP:0002792	abnormal retinal vasculature morphology

MP:0001732	postnatal growth retardation
REACTOME_CIRCADIAN_CLOCK	REACTOME_CIRCADIAN_CLOCK
GO:0044264	cellular polysaccharide metabolic process
MP:0001192	scaly skin
GO:0005520	insulin-like growth factor binding
ENSG00000004975	DVL2 PPI subnetwork
REACTOME_REGULATION_OF_BETA:CELL_D	REACTOME_REGULATION_OF_BETA:CELL_DEVELOPMENT
GO:0005529	GO:0005529
ENSG00000100934	SEC23A PPI subnetwork
ENSG00000171560	FGA PPI subnetwork
MP:0001876	decreased inflammatory response
ENSG00000156453	PCDH1 PPI subnetwork
ENSG00000163586	FABP1 PPI subnetwork
GO:0014070	response to organic cyclic compound
GO:0019210	kinase inhibitor activity
REACTOME_MYD88:INDEPENDENT_CASCAI	REACTOME_MYD88:INDEPENDENT_CASCADE_INITIATED_ON_
GO:0005161	platelet-derived growth factor receptor binding
MP:0002191	abnormal artery morphology
GO:0009617	response to bacterium
GO:0016209	antioxidant activity
ENSG00000174123	TLR10 PPI subnetwork
ENSG00000154016	GRAP PPI subnetwork
MP:0000652	enlarged sebaceous gland
MP:0001261	obese
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_NFKB_AND_M
ENSG00000119535	CSF3R PPI subnetwork
GO:0051247	positive regulation of protein metabolic process
GO:0042800	histone methyltransferase activity (H3-K4 specific)
GO:0016627	oxidoreductase activity, acting on the CH-CH group of donors
MP:0005014	increased B cell number
MP:0000065	abnormal bone marrow cavity morphology
GO:0032269	negative regulation of cellular protein metabolic process
REACTOME_TOLL_LIKE_RECEPTOR_78_TLR	REACTOME_TOLL_LIKE_RECEPTOR_78_TLR78_CASCADE
REACTOME_MYD88_DEPENDENT_CASCADE	REACTOME_MYD88_DEPENDENT_CASCADE_INITIATED_ON_E
ENSG00000150337	FCGR1A PPI subnetwork
GO:0019637	organophosphate metabolic process
KEGG_GALACTOSE_METABOLISM	KEGG_GALACTOSE_METABOLISM
GO:0006112	energy reserve metabolic process
KEGG_STEROID_BIOSYNTHESIS	KEGG_STEROID_BIOSYNTHESIS
MP:0003383	abnormal gluconeogenesis
ENSG00000075413	MARK3 PPI subnetwork
MP:0000219	increased neutrophil cell number
ENSG00000169967	MAP3K2 PPI subnetwork
MP:0005592	abnormal vascular smooth muscle morphology
GO:0033365	protein localization to organelle
MP:0003044	impaired basement membrane formation
ENSG00000019991	HGF PPI subnetwork
ENSG00000188488	SERPINA5 PPI subnetwork
ENSG00000142515	KLK3 PPI subnetwork
MP:0009657	failure of chorioallantoic fusion

GO:0030003	cellular cation homeostasis
GO:0032102	negative regulation of response to external stimulus
GO:0048871	multicellular organismal homeostasis
GO:0048770	pigment granule
GO:0042470	melanosome
GO:0046320	regulation of fatty acid oxidation
GO:0030168	platelet activation
ENSG00000186951	PPARA PPI subnetwork
ENSG00000106636	YKT6 PPI subnetwork
GO:0046395	carboxylic acid catabolic process
GO:0016054	organic acid catabolic process
REACTOME_SIGNALING_BY_INTERLEUKINS	REACTOME_SIGNALING_BY_INTERLEUKINS
GO:0016407	acetyltransferase activity
ENSG00000176444	CLK2 PPI subnetwork
ENSG00000179776	CDH5 PPI subnetwork
MP:0008719	impaired neutrophil recruitment
GO:0048659	smooth muscle cell proliferation
MP:0003921	abnormal heart left ventricle morphology
MP:0005185	decreased circulating progesterone level
ENSG00000137462	TLR2 PPI subnetwork
MP:0004756	abnormal proximal convoluted tubule morphology
ENSG00000211592	ENSG00000211592 PPI subnetwork
MP:0004985	decreased osteoclast cell number
GO:0048534	hemopoietic or lymphoid organ development
GO:0045637	regulation of myeloid cell differentiation
ENSG00000105220	GPI PPI subnetwork
GO:0032369	negative regulation of lipid transport
GO:0008285	negative regulation of cell proliferation
ENSG00000072832	CRMP1 PPI subnetwork
ENSG00000100385	IL2RB PPI subnetwork
ENSG00000080824	HSP90AA1 PPI subnetwork
ENSG00000174177	CTU2 PPI subnetwork
GO:0030552	cAMP binding
GO:0005507	copper ion binding
ENSG00000100368	CSF2RB PPI subnetwork
ENSG00000145675	PIK3R1 PPI subnetwork
ENSG00000143379	SETDB1 PPI subnetwork
MP:0003425	abnormal optic vesicle formation
REACTOME_SIGNALING_BY_PDGF	REACTOME_SIGNALING_BY_PDGF
GO:0001525	angiogenesis
ENSG00000145692	BHMT PPI subnetwork
GO:0008235	metalloexopeptidase activity
ENSG00000102755	FLT1 PPI subnetwork
ENSG00000101255	TRIB3 PPI subnetwork
GO:0003018	vascular process in circulatory system
MP:0008082	increased single-positive T cell number
GO:0005125	cytokine activity
MP:0002731	megacolon
GO:0004181	metallocarboxypeptidase activity
GO:0005581	collagen

ENSG00000132964	CDK8 PPI subnetwork
KEGG_PYRUVATE_METABOLISM	KEGG_PYRUVATE_METABOLISM
MP:0002493	increased IgG level
MP:0003131	increased erythrocyte cell number
ENSG00000117400	MPL PPI subnetwork
GO:0016323	basolateral plasma membrane
REACTOME_DARPP:32_EVENTS	REACTOME_DARPP:32_EVENTS
MP:0001596	hypotension
MP:0000511	abnormal intestinal mucosa morphology
GO:0005773	vacuole
MP:0008074	increased CD4-positive T cell number
GO:0060326	cell chemotaxis
GO:0004709	MAP kinase kinase kinase activity
GO:0030097	hemopoiesis
ENSG00000175387	SMAD2 PPI subnetwork
GO:0009743	response to carbohydrate stimulus
MP:0005013	increased lymphocyte cell number
MP:0011049	impaired adaptive thermogenesis
ENSG00000120833	SOCS2 PPI subnetwork
GO:0061008	hepaticobiliary system development
GO:0010885	regulation of cholesterol storage
ENSG00000144566	RAB5A PPI subnetwork
GO:0010627	regulation of intracellular protein kinase cascade
MP:0000440	domed cranium
ENSG00000184588	PDE4B PPI subnetwork
MP:0001845	abnormal inflammatory response
ENSG00000171681	ATF7IP PPI subnetwork
MP:0003910	decreased eating behavior
ENSG00000013293	SLC7A14 PPI subnetwork
ENSG00000099960	SLC7A4 PPI subnetwork
ENSG00000110244	APOA4 PPI subnetwork
GO:0009607	response to biotic stimulus
GO:0015908	fatty acid transport
ENSG00000149968	MMP3 PPI subnetwork
ENSG00000168298	HIST1H1E PPI subnetwork
ENSG00000115677	HDLBP PPI subnetwork
MP:0003304	large intestinal inflammation
GO:0044403	symbiosis, encompassing mutualism through parasitism
MP:0008537	increased susceptibility to induced colitis
GO:0010878	cholesterol storage
GO:0006656	phosphatidylcholine biosynthetic process
ENSG00000172115	CYCS PPI subnetwork
ENSG00000084676	NCOA1 PPI subnetwork
ENSG00000137309	HMGA1 PPI subnetwork
ENSG00000198223	CSF2RA PPI subnetwork
MP:0000266	abnormal heart morphology
MP:0011100	complete preweaning lethality
MP:0000693	spleen hyperplasia
GO:0017187	peptidyl-glutamic acid carboxylation
GO:0018214	protein carboxylation

REACTOME_NUCLEAR_EVENTS_KINASE_AN	REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION
ENSG00000164220	F2RL2 PPI subnetwork
GO:0072329	monocarboxylic acid catabolic process
GO:0005759	mitochondrial matrix
GO:0008329	pattern recognition receptor activity
ENSG00000185621	LMLN PPI subnetwork
ENSG00000185950	IRS2 PPI subnetwork
GO:0009055	electron carrier activity
GO:0072376	protein activation cascade
MP:0001634	internal hemorrhage
ENSG00000065361	ERBB3 PPI subnetwork
ENSG00000164867	NOS3 PPI subnetwork
ENSG00000113889	KNG1 PPI subnetwork
ENSG00000105329	TGFB1 PPI subnetwork
ENSG00000006715	VPS41 PPI subnetwork
ENSG00000111679	PTPN6 PPI subnetwork
ENSG00000044574	HSPA5 PPI subnetwork
ENSG00000117528	ABCD3 PPI subnetwork
MP:0008593	increased circulating interleukin-10 level
MP:0004787	abnormal dorsal aorta morphology
ENSG00000084774	CAD PPI subnetwork
REACTOME_TRIF_MEDIATED_TLR3_SIGNAL	REACTOME_TRIF_MEDIATED_TLR3_SIGNALING
REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_	REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_CASCADE
MP:0006042	increased apoptosis
ENSG00000081237	PTPRC PPI subnetwork
ENSG00000077238	IL4R PPI subnetwork
ENSG00000114423	CBLB PPI subnetwork
MP:0004180	failure of initiation of embryo turning
MP:0008813	decreased common myeloid progenitor cell number
GO:0050321	tau-protein kinase activity
MP:0002136	abnormal kidney physiology
MP:0004200	decreased fetal size
GO:0010008	endosome membrane
MP:0008254	increased megakaryocyte cell number
MP:0003331	hepatocellular carcinoma
ENSG00000180530	NRIP1 PPI subnetwork
REACTOME_HEXOSE_TRANSPORT	REACTOME_HEXOSE_TRANSPORT
GO:0048020	CCR chemokine receptor binding
GO:0044440	endosomal part
GO:0048514	blood vessel morphogenesis
ENSG00000137801	THBS1 PPI subnetwork
GO:0016791	phosphatase activity
MP:0008664	decreased interleukin-12 secretion
GO:0042813	Wnt-activated receptor activity
MP:0002128	abnormal blood circulation
ENSG00000189283	FHIT PPI subnetwork
REACTOME_CREATION_OF_C4_AND_C2_A(	REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS
ENSG00000002330	BAD PPI subnetwork
MP:0008525	decreased cranium height
MP:0000662	abnormal branching of the mammary ductal tree

MP:0005006	abnormal osteoblast physiology
MP:0008699	increased interleukin-4 secretion
ENSG00000072062	PRKACA PPI subnetwork
MP:0008661	decreased interleukin-10 secretion
ENSG00000187837	HIST1H1C PPI subnetwork
KEGG_TYROSINE_METABOLISM	KEGG_TYROSINE_METABOLISM
KEGG_BLADDER_CANCER	KEGG_BLADDER_CANCER
GO:0051347	positive regulation of transferase activity
MP:0003721	increased tumor growth/size
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_IRE1ALPHA
MP:0001935	decreased litter size
MP:0001721	absent visceral yolk sac blood islands
ENSG00000134871	COL4A2 PPI subnetwork
ENSG00000117020	AKT3 PPI subnetwork
MP:0000521	abnormal kidney cortex morphology
MP:0003702	abnormal chromosome morphology
GO:0051272	positive regulation of cellular component movement
GO:0071216	cellular response to biotic stimulus
MP:0001282	short vibrissae
GO:0005540	hyaluronic acid binding
KEGG_PROPANOATE_METABOLISM	KEGG_PROPANOATE_METABOLISM
GO:0051186	cofactor metabolic process
MP:0005087	decreased acute inflammation
GO:0008158	hedgehog receptor activity
ENSG00000151576	QTRTD1 PPI subnetwork
MP:0000547	short limbs
ENSG00000100784	RPS6KA5 PPI subnetwork
ENSG00000170927	PKHD1 PPI subnetwork
ENSG00000101680	LAMA1 PPI subnetwork
MP:0002591	decreased mean corpuscular volume
GO:0006809	nitric oxide biosynthetic process
ENSG00000047936	ROS1 PPI subnetwork
ENSG00000142539	SPIB PPI subnetwork
ENSG00000078061	ARAF PPI subnetwork
GO:0045178	basal part of cell
KEGG_BIOSYNTHESIS_OF_UNSATURATED_F	KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS
GO:0001816	cytokine production
MP:0003396	abnormal embryonic hematopoiesis
GO:0048660	regulation of smooth muscle cell proliferation
REACTOME_DOWNSTREAM_SIGNAL_TRAN	REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION
MP:0002842	increased systemic arterial blood pressure
ENSG00000023191	RNH1 PPI subnetwork
ENSG00000130638	ATXN10 PPI subnetwork
GO:0022600	digestive system process
MP:0001289	persistence of hyaloid vascular system
MP:0000229	abnormal megakaryocyte differentiation
GO:0044437	vacuolar part
ENSG00000152582	SPEF2 PPI subnetwork
GO:0046889	positive regulation of lipid biosynthetic process
ENSG00000002834	LASP1 PPI subnetwork

GO:0042092	type 2 immune response
GO:0046849	bone remodeling
MP:0002642	anisocytosis
ENSG00000168685	IL7R PPI subnetwork
MP:0000343	altered response to myocardial infarction
ENSG00000185291	IL3RA PPI subnetwork
MP:0005562	decreased mean corpuscular hemoglobin
GO:0030730	sequestering of triglyceride
GO:0000932	cytoplasmic mRNA processing body
ENSG00000109906	ZBTB16 PPI subnetwork
GO:0006898	receptor-mediated endocytosis
ENSG00000170653	ATF7 PPI subnetwork
MP:0008875	abnormal xenobiotic pharmacokinetics
ENSG00000137561	TTPA PPI subnetwork
GO:0019395	fatty acid oxidation
MP:0000217	abnormal leukocyte cell number
MP:0008500	increased IgG2a level
KEGG_ADHERENS_JUNCTION	KEGG_ADHERENS_JUNCTION
GO:0034374	low-density lipoprotein particle remodeling
GO:0035257	nuclear hormone receptor binding
ENSG00000197746	PSAP PPI subnetwork
MP:0005399	increased susceptibility to fungal infection
GO:0045596	negative regulation of cell differentiation
MP:0001231	abnormal epidermis stratum basale morphology
ENSG00000179348	GATA2 PPI subnetwork
MP:0009788	increased susceptibility to bacterial infection induced morbidit
ENSG00000107968	MAP3K8 PPI subnetwork
MP:0008750	abnormal interferon level
REACTOME_PHASE_1_:_FUNCTIONALIZATIO	REACTOME_PHASE_1_:_FUNCTIONALIZATION_OF_COMPOUN
MP:0005150	cachexia
GO:0043395	heparan sulfate proteoglycan binding
GO:0010035	response to inorganic substance
MP:0008396	abnormal osteoclast differentiation
ENSG00000145192	AHSG PPI subnetwork
GO:0040017	positive regulation of locomotion
MP:0005166	decreased susceptibility to injury
MP:0001190	reddish skin
GO:0010817	regulation of hormone levels
MP:0005658	increased susceptibility to diet-induced obesity
MP:0009789	decreased susceptibility to bacterial infection induced morbidi
REACTOME_SIGNALING_BY_EGFR	REACTOME_SIGNALING_BY_EGFR
MP:0002417	abnormal megakaryocyte morphology
GO:0042605	peptide antigen binding
ENSG00000113302	IL12B PPI subnetwork
ENSG00000139719	VPS33A PPI subnetwork
ENSG00000095637	SORBS1 PPI subnetwork
ENSG00000145777	TSLP PPI subnetwork
ENSG00000215440	NPEPL1 PPI subnetwork
ENSG00000184557	SOCS3 PPI subnetwork
MP:0010810	increased type II pneumocyte number

ENSG00000075426	FOSL2 PPI subnetwork
ENSG00000082805	ERC1 PPI subnetwork
KEGG_ARACHIDONIC_ACID_METABOLISM	KEGG_ARACHIDONIC_ACID_METABOLISM
ENSG00000143761	ARF1 PPI subnetwork
MP:0003449	abnormal intestinal goblet cell morphology
REACTOME_SIGNALING_BY_EGFR_IN_CAN(	REACTOME_SIGNALING_BY_EGFR_IN_CANCER
GO:0006694	steroid biosynthetic process
KEGG_VEGF_SIGNALING_PATHWAY	KEGG_VEGF_SIGNALING_PATHWAY
ENSG00000107611	CUBN PPI subnetwork
MP:0008554	decreased circulating tumor necrosis factor level
REACTOME_INTERLEUKIN:6_SIGNALING	REACTOME_INTERLEUKIN:6_SIGNALING
MP:0002998	abnormal bone remodeling
ENSG00000183337	BCOR PPI subnetwork
REACTOME_ACTIVATION_OF_CHAPERONE_	REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S
MP:0008502	increased IgG3 level
GO:0008320	protein transmembrane transporter activity
GO:0022884	macromolecule transmembrane transporter activity
GO:0009306	protein secretion
REACTOME_NUCLEAR_RECEPTOR_TRANSCI	REACTOME_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWA\
MP:0003009	abnormal cytokine secretion
ENSG00000013364	MVP PPI subnetwork
MP:0006094	increased fat cell size
GO:0005770	late endosome
ENSG00000165280	VCP PPI subnetwork
MP:0008566	increased interferon-gamma secretion
REACTOME_VEGF_LIGAND:RECEPTOR_INTE	REACTOME_VEGF_LIGAND:RECEPTOR_INTERACTIONS
REACTOME_SIGNALING_BY_VEGF	REACTOME_SIGNALING_BY_VEGF
GO:0060334	regulation of interferon-gamma-mediated signaling pathway
GO:0060330	regulation of response to interferon-gamma
MP:0001216	abnormal epidermal layer morphology
GO:0048771	tissue remodeling
ENSG00000008838	MED24 PPI subnetwork
GO:0006605	protein targeting
ENSG00000145715	RASA1 PPI subnetwork
GO:0005764	lysosome
GO:0000323	lytic vacuole
ENSG00000148334	PTGES2 PPI subnetwork
ENSG00000129048	CCRL1 PPI subnetwork
ENSG00000146648	EGFR PPI subnetwork
ENSG00000132780	NASP PPI subnetwork
ENSG00000101473	ACOT8 PPI subnetwork
MP:0000336	decreased mast cell number
GO:0015718	monocarboxylic acid transport
ENSG00000136488	CSH1 PPI subnetwork
GO:0005740	mitochondrial envelope
ENSG00000171150	SOCS5 PPI subnetwork
MP:0001511	disheveled coat
GO:0046777	protein autophosphorylation
ENSG00000134460	IL2RA PPI subnetwork
MP:0009866	abnormal aorta wall morphology

ENSG00000132196	HSD17B7 PPI subnetwork
GO:0018200	peptidyl-glutamic acid modification
ENSG00000139219	COL2A1 PPI subnetwork
MP:0003354	astrocytosis
MP:0002411	decreased susceptibility to bacterial infection
MP:0010264	increased hepatoma incidence
GO:0008170	N-methyltransferase activity
ENSG00000172179	PRL PPI subnetwork
GO:0042311	vasodilation
ENSG00000158092	NCK1 PPI subnetwork
MP:0001182	lung hemorrhage
ENSG00000099860	GADD45B PPI subnetwork
MP:0000352	decreased cell proliferation
GO:0071900	regulation of protein serine/threonine kinase activity
GO:0040014	regulation of multicellular organism growth
GO:0045926	negative regulation of growth
MP:0000218	increased leukocyte cell number
MP:0000220	increased monocyte cell number
GO:0031301	integral to organelle membrane
ENSG00000211660	ENSG00000211660 PPI subnetwork
ENSG00000211653	ENSG00000211653 PPI subnetwork
ENSG00000147168	IL2RG PPI subnetwork
ENSG00000213949	ITGA1 PPI subnetwork
GO:0051260	protein homooligomerization
MP:0009548	abnormal platelet aggregation
MP:0009400	decreased skeletal muscle fiber size
ENSG00000073614	KDM5A PPI subnetwork
ENSG00000109458	GAB1 PPI subnetwork
GO:0001078	RNA polymerase II core promoter proximal region sequence-s
ENSG00000104722	NEFM PPI subnetwork
ENSG00000132906	CASP9 PPI subnetwork
REACTOME_MAP_KINASE_ACTIVATION_IN	REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE
KEGG_GLYCOLYSIS_GLUCONEOGENESIS	KEGG_GLYCOLYSIS_GLUCONEOGENESIS
ENSG00000095752	IL11 PPI subnetwork
GO:0030595	leukocyte chemotaxis
GO:0032403	protein complex binding
GO:0051170	nuclear import
MP:0004189	abnormal alveolar process morphology
GO:0050880	regulation of blood vessel size
MP:0001533	abnormal skeleton physiology
ENSG00000160255	ITGB2 PPI subnetwork
REACTOME_STEROID_HORMONES	REACTOME_STEROID_HORMONES
MP:0001191	abnormal skin condition
ENSG00000115274	INO80B PPI subnetwork
ENSG00000072518	MARK2 PPI subnetwork
ENSG00000142166	IFNAR1 PPI subnetwork
GO:0016830	carbon-carbon lyase activity
MP:0001881	abnormal mammary gland physiology
ENSG00000178607	ERN1 PPI subnetwork
ENSG00000168811	IL12A PPI subnetwork

GO:0072507	divalent inorganic cation homeostasis
MP:0005012	decreased eosinophil cell number
ENSG00000116717	GADD45A PPI subnetwork
MP:0003983	decreased cholesterol level
GO:0070412	R-SMAD binding
MP:0008720	impaired neutrophil chemotaxis
ENSG00000111537	IFNG PPI subnetwork
ENSG00000160712	IL6R PPI subnetwork
GO:0015450	P-P-bond-hydrolysis-driven protein transmembrane transporte
GO:0010874	regulation of cholesterol efflux
ENSG00000101439	CST3 PPI subnetwork
GO:2000147	positive regulation of cell motility
ENSG00000101266	CSNK2A1 PPI subnetwork
ENSG00000100311	PDGFB PPI subnetwork
GO:0019841	retinol binding
MP:0004948	abnormal neuronal precursor proliferation
ENSG00000176273	SLC35G1 PPI subnetwork
MP:0002447	abnormal erythrocyte morphology
GO:0045087	innate immune response
ENSG00000071537	SEL1L PPI subnetwork
GO:0019901	protein kinase binding
KEGG_SULFUR_METABOLISM	KEGG_SULFUR_METABOLISM
ENSG00000183395	PMCH PPI subnetwork
GO:0055074	calcium ion homeostasis
GO:0005518	collagen binding
MP:0006387	abnormal T cell number
MP:0000223	decreased monocyte cell number
ENSG00000038427	VCAN PPI subnetwork
GO:0001935	endothelial cell proliferation
ENSG00000133216	EPHB2 PPI subnetwork
ENSG00000211979	ENSG00000211979 PPI subnetwork
ENSG00000211973	ENSG00000211973 PPI subnetwork
ENSG00000108528	SLC25A11 PPI subnetwork
ENSG00000065154	OAT PPI subnetwork
ENSG00000183625	CCR3 PPI subnetwork
ENSG00000184371	CSF1 PPI subnetwork
REACTOME_PEPTIDE_LIGAND:BINDING_RE	REACTOME_PEPTIDE_LIGAND:BINDING_RECEPTORS
MP:0002705	dilated renal tubules
GO:0005905	coated pit
ENSG00000140740	UQCRC2 PPI subnetwork
REACTOME_PI:3K_CASCADE	REACTOME_PI:3K_CASCADE
MP:0005122	increased circulating thyroid-stimulating hormone level
ENSG00000091181	IL5RA PPI subnetwork
ENSG00000099797	TECR PPI subnetwork
MP:0011096	complete embryonic lethality before somite formation
MP:0002643	poikilocytosis
GO:0001889	liver development
ENSG00000075415	SLC25A3 PPI subnetwork
ENSG00000138293	NCOA4 PPI subnetwork
ENSG00000105610	KLF1 PPI subnetwork

ENSG00000120235	IFNA6 PPI subnetwork
GO:0032103	positive regulation of response to external stimulus
GO:0035150	regulation of tube size
ENSG00000151320	AKAP6 PPI subnetwork
GO:0031418	L-ascorbic acid binding
GO:0010576	metalloenzyme regulator activity
GO:0071902	positive regulation of protein serine/threonine kinase activity
ENSG00000132356	PRKAA1 PPI subnetwork
REACTOME_DOWNSTREAM_SIGNALING_OI	REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGF
GO:0016628	oxidoreductase activity, acting on the CH-CH group of donors,
ENSG00000135218	CD36 PPI subnetwork
GO:0032680	regulation of tumor necrosis factor production
GO:0032640	tumor necrosis factor production
GO:0016052	carbohydrate catabolic process
ENSG00000113494	PRLR PPI subnetwork
GO:0003013	circulatory system process
ENSG00000147507	ENSG00000147507 PPI subnetwork
GO:0071345	cellular response to cytokine stimulus
REACTOME_METABOLISM_OF_STEROID_H(	REACTOME_METABOLISM_OF_STEROID_HORMONES_AND_V
MP:0001152	Leydig cell hyperplasia
GO:0051240	positive regulation of multicellular organismal process
ENSG00000107263	RAPGEF1 PPI subnetwork
GO:0006644	phospholipid metabolic process
MP:0000280	thin ventricular wall
MP:0010103	small thoracic cage
REACTOME_REGULATION_OF_PYRUVATE_I	REACTOME_REGULATION_OF_PYRUVATE_DEHYDROGENASE_
ENSG00000154556	SORBS2 PPI subnetwork
GO:0001653	peptide receptor activity
GO:0051707	response to other organism
MP:0010868	increased bone trabecula number
GO:0005778	peroxisomal membrane
GO:0031903	microbody membrane
ENSG00000165458	INPPL1 PPI subnetwork
ENSG00000163599	CTLA4 PPI subnetwork
ENSG00000074071	MRPS34 PPI subnetwork
MP:0008670	decreased interleukin-12b secretion
ENSG00000166333	ILK PPI subnetwork
REACTOME_SIGNAL_TRANSDUCTION_BY_L	REACTOME_SIGNAL_TRANSDUCTION_BY_L1
ENSG00000169194	IL13 PPI subnetwork
GO:0008134	transcription factor binding
ENSG00000105639	JAK3 PPI subnetwork
REACTOME_SIGNAL_REGULATORY_PROTEI	REACTOME_SIGNAL_REGULATORY_PROTEIN_SIRP_FAMILY_IN
MP:0001777	abnormal body temperature homeostasis
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_P	KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
ENSG00000123975	CKS2 PPI subnetwork
ENSG00000113594	LIFR PPI subnetwork
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_
ENSG00000124222	STX16 PPI subnetwork
MP:0005616	decreased susceptibility to type IV hypersensitivity reaction
GO:0035383	thioester metabolic process

GO:0006637	acyl-CoA metabolic process
GO:0008015	blood circulation
MP:0008687	increased interleukin-2 secretion
GO:0006956	complement activation
MP:0000121	failure of tooth eruption
MP:0005438	abnormal glycogen homeostasis
MP:0005244	hemopericardium
MP:0003564	abnormal insulin secretion
GO:0009108	coenzyme biosynthetic process
MP:0010024	increased total body fat amount
GO:0043176	amine binding
MP:0001874	acanthosis
GO:0001892	embryonic placenta development
ENSG00000186660	ZFP91 PPI subnetwork
ENSG00000122756	CNTFR PPI subnetwork
MP:0002446	abnormal macrophage morphology
ENSG00000106366	SERPINE1 PPI subnetwork
GO:0032880	regulation of protein localization
ENSG00000082781	ITGB5 PPI subnetwork
KEGG_TYPE_II_DIABETES_MELLITUS	KEGG_TYPE_II_DIABETES_MELLITUS
MP:0001798	impaired macrophage phagocytosis
ENSG00000129354	AP1M2 PPI subnetwork
MP:0005590	increased vasodilation
MP:0003215	renal interstitial fibrosis
GO:0030867	rough endoplasmic reticulum membrane
MP:0003890	abnormal embryonic-extraembryonic boundary morphology
MP:0003606	kidney failure
KEGG_ECM_RECEPTOR_INTERACTION	KEGG_ECM_RECEPTOR_INTERACTION
ENSG00000161618	ALDH16A1 PPI subnetwork
MP:0005657	abnormal neural plate morphology
ENSG00000112290	WASF1 PPI subnetwork
GO:0008528	G-protein coupled peptide receptor activity
MP:0001544	abnormal cardiovascular system physiology
GO:0060341	regulation of cellular localization
ENSG00000110330	BIRC2 PPI subnetwork
MP:0004993	decreased bone resorption
ENSG00000110324	IL10RA PPI subnetwork
GO:0051046	regulation of secretion
GO:0005355	glucose transmembrane transporter activity
GO:0044106	cellular amine metabolic process
ENSG00000132155	RAF1 PPI subnetwork
GO:0010038	response to metal ion
MP:0008809	increased spleen iron level
GO:0003707	steroid hormone receptor activity
ENSG00000082701	GSK3B PPI subnetwork
GO:0048038	quinone binding
ENSG00000066933	MYO9A PPI subnetwork
ENSG00000105221	AKT2 PPI subnetwork
GO:0016775	phosphotransferase activity, nitrogenous group as acceptor
ENSG00000107643	MAPK8 PPI subnetwork

MP:0004946	abnormal regulatory T cell physiology
MP:0001219	thick epidermis
ENSG00000160285	LSS PPI subnetwork
ENSG00000162594	IL23R PPI subnetwork
MP:0006298	abnormal platelet activation
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS
GO:0071706	tumor necrosis factor superfamily cytokine production
GO:0034504	protein localization to nucleus
ENSG00000129214	SHBG PPI subnetwork
MP:0002953	thick ventricular wall
GO:0002684	positive regulation of immune system process
ENSG00000119408	NEK6 PPI subnetwork
MP:0000166	abnormal chondrocyte morphology
MP:0000377	abnormal hair follicle morphology
ENSG00000182578	CSF1R PPI subnetwork
ENSG00000171855	IFNB1 PPI subnetwork
ENSG00000113721	PDGFRB PPI subnetwork
GO:0019005	SCF ubiquitin ligase complex
MP:0001433	polyphagia
ENSG00000132424	PNISR PPI subnetwork
REACTOME_ABC:FAMILY_PROTEINS_MEDIA	REACTOME_ABC:FAMILY_PROTEINS_MEDIATED_TRANSPORT
ENSG00000143627	PKLR PPI subnetwork
ENSG00000092847	EIF2C1 PPI subnetwork
GO:0005901	caveola
ENSG00000150768	DLAT PPI subnetwork
ENSG00000106144	CASP2 PPI subnetwork
ENSG00000164400	CSF2 PPI subnetwork
MP:0005553	increased circulating creatinine level
ENSG00000145332	KLHL8 PPI subnetwork
ENSG00000104549	SQLE PPI subnetwork
GO:0004175	endopeptidase activity
ENSG00000175505	CLCF1 PPI subnetwork
MP:0000062	increased bone mineral density
GO:0030100	regulation of endocytosis
KEGG_LYSOSOME	KEGG_LYSOSOME
ENSG00000113580	NR3C1 PPI subnetwork
GO:0009062	fatty acid catabolic process
REACTOME_CLASSICAL_ANTIBODY:MEDIAT	REACTOME_CLASSICAL_ANTIBODY:MEDIATED_COMPLEMENT
GO:0031966	mitochondrial membrane
ENSG00000170260	ZNF212 PPI subnetwork
ENSG00000027697	IFNGR1 PPI subnetwork
MP:0009133	decreased white fat cell size
ENSG00000182326	C1S PPI subnetwork
GO:0006957	complement activation, alternative pathway
ENSG00000113525	IL5 PPI subnetwork
MP:0002703	abnormal renal tubule morphology
ENSG00000130208	APOC1 PPI subnetwork
ENSG00000080815	PSEN1 PPI subnetwork
GO:0030335	positive regulation of cell migration
KEGG_RETINOL_METABOLISM	KEGG_RETINOL_METABOLISM

MP:0009146	abnormal pancreatic acinar cell morphology
ENSG00000122122	SASH3 PPI subnetwork
MP:0000278	abnormal myocardial fiber morphology
REACTOME_NGF_SIGNALLING_VIA_TRKA_F	REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASM
ENSG00000172216	CEBPB PPI subnetwork
MP:0008279	arrest of spermiogenesis
ENSG00000066044	ELAVL1 PPI subnetwork
GO:0000981	sequence-specific DNA binding RNA polymerase II transcriptio
GO:0006606	protein import into nucleus
ENSG00000173349	SFT2D3 PPI subnetwork
GO:0004879	ligand-activated sequence-specific DNA binding RNA polymera
ENSG00000110955	ATP5B PPI subnetwork
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
ENSG00000104969	SGTA PPI subnetwork
ENSG00000121552	CSTA PPI subnetwork
MP:0003911	increased drinking behavior
GO:0033273	response to vitamin
MP:0000267	abnormal heart development
ENSG00000102678	FGF9 PPI subnetwork
MP:0005466	abnormal T-helper 2 physiology
GO:0044275	cellular carbohydrate catabolic process
GO:0001817	regulation of cytokine production
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
ENSG00000186716	BCR PPI subnetwork
MP:0003567	abnormal fetal cardiomyocyte proliferation
GO:0043405	regulation of MAP kinase activity
ENSG00000108433	GOSR2 PPI subnetwork
ENSG00000015171	ZMYND11 PPI subnetwork
ENSG00000143537	ADAM15 PPI subnetwork
GO:0005774	vacuolar membrane
ENSG00000159128	IFNGR2 PPI subnetwork
KEGG_LEISHMANIA_INFECTION	KEGG_LEISHMANIA_INFECTION
GO:0002685	regulation of leukocyte migration
MP:0005095	decreased T cell proliferation
GO:0046888	negative regulation of hormone secretion
ENSG00000072958	AP1M1 PPI subnetwork
MP:0002458	abnormal B cell number
MP:0002270	abnormal pulmonary alveolus morphology
ENSG00000069399	BCL3 PPI subnetwork
REACTOME_SYNTHESIS_OF_VERY_LONG:CH	REACTOME_SYNTHESIS_OF_VERY_LONG:CHAIN_FATTY_ACYL:
ENSG00000149131	SERPING1 PPI subnetwork
ENSG00000154380	ENAH PPI subnetwork
MP:0008484	decreased spleen germinal center size
KEGG_HEMATOPOIETIC_CELL_LINEAGE	KEGG_HEMATOPOIETIC_CELL_LINEAGE
KEGG_CYSTEINE_AND_METHIONINE_META	KEGG_CYSTEINE_AND_METHIONINE_METABOLISM
MP:0000495	abnormal colon morphology
MP:0001919	abnormal reproductive system physiology
ENSG00000067225	PKM2 PPI subnetwork
ENSG00000150760	DOCK1 PPI subnetwork
GO:0030193	regulation of blood coagulation

MP:0005465	abnormal T-helper 1 physiology
ENSG00000108773	KAT2A PPI subnetwork
MP:0009674	decreased birth weight
MP:0008115	abnormal dendritic cell differentiation
ENSG00000107404	DVL1 PPI subnetwork
MP:0005026	decreased susceptibility to parasitic infection
ENSG00000136999	NOV PPI subnetwork
ENSG00000072694	FCGR2B PPI subnetwork
GO:0015909	long-chain fatty acid transport
ENSG00000196591	HDAC2 PPI subnetwork
GO:0051635	bacterial cell surface binding
MP:0008617	increased circulating interleukin-12 level
ENSG00000175197	DDIT3 PPI subnetwork
MP:0002335	decreased airway responsiveness
GO:0042147	retrograde transport, endosome to Golgi
ENSG00000086598	TMED2 PPI subnetwork
MP:0003172	abnormal lysosome physiology
MP:0000512	intestinal ulcer
ENSG00000092969	TGFB2 PPI subnetwork
ENSG00000011485	PPP5C PPI subnetwork
ENSG00000148400	NOTCH1 PPI subnetwork
GO:0030728	ovulation
ENSG00000127318	IL22 PPI subnetwork
MP:0003659	abnormal lymph circulation
ENSG00000172058	SERF1A PPI subnetwork
ENSG00000205572	SERF1B PPI subnetwork
KEGG_DORSO_VENTRAL_AXIS_FORMATION	KEGG_DORSO_VENTRAL_AXIS_FORMATION
KEGG_RENAL_CELL_CARCINOMA	KEGG_RENAL_CELL_CARCINOMA
ENSG00000159189	C1QC PPI subnetwork
MP:0003231	abnormal placenta vasculature
GO:0044212	transcription regulatory region DNA binding
MP:0008826	abnormal splenic cell ratio
REACTOME_CTLA4_INHIBITORY_SIGNALING	REACTOME_CTLA4_INHIBITORY_SIGNALING
REACTOME_CYTOKINE_SIGNALING_IN_IMM	REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM
ENSG00000114737	CISH PPI subnetwork
ENSG00000001630	CYP51A1 PPI subnetwork
ENSG00000125084	WNT1 PPI subnetwork
ENSG00000061273	HDAC7 PPI subnetwork
REACTOME_PEROXISOMAL_LIPID_METABO	REACTOME_PEROXISOMAL_LIPID_METABOLISM
MP:0003628	abnormal leukocyte adhesion
MP:0004047	abnormal milk composition
ENSG00000173511	VEGFB PPI subnetwork
GO:0033674	positive regulation of kinase activity
ENSG00000105397	TYK2 PPI subnetwork
GO:0016853	isomerase activity
GO:0006979	response to oxidative stress
GO:0043235	receptor complex
GO:0002688	regulation of leukocyte chemotaxis
MP:0001175	abnormal lung morphology
ENSG00000136169	SETDB2 PPI subnetwork

GO:0031329	regulation of cellular catabolic process
MP:0005102	abnormal iris pigmentation
ENSG00000183709	IL28A PPI subnetwork
ENSG00000184995	IFNE PPI subnetwork
ENSG00000182393	IL29 PPI subnetwork
ENSG00000162892	IL24 PPI subnetwork
ENSG00000164136	IL15 PPI subnetwork
ENSG00000177047	IFNW1 PPI subnetwork
ENSG00000128342	LIF PPI subnetwork
ENSG00000197110	IL28B PPI subnetwork
ENSG00000138684	IL21 PPI subnetwork
ENSG00000142224	IL19 PPI subnetwork
ENSG00000104432	IL7 PPI subnetwork
ENSG00000111536	IL26 PPI subnetwork
ENSG00000147896	IFNK PPI subnetwork
ENSG00000145839	IL9 PPI subnetwork
ENSG00000106397	PLOD3 PPI subnetwork
MP:0000702	enlarged lymph nodes
MP:0003408	increased width of hypertrophic chondrocyte zone
GO:0000975	regulatory region DNA binding
GO:0001067	regulatory region nucleic acid binding
MP:0010124	decreased bone mineral content
ENSG00000163810	TGM4 PPI subnetwork
GO:0001664	G-protein coupled receptor binding
GO:0016709	oxidoreductase activity, acting on paired donors, with incorpo
ENSG00000162891	IL20 PPI subnetwork
GO:0006695	cholesterol biosynthetic process
MP:0000048	abnormal stria vascularis morphology
GO:0019902	phosphatase binding
MP:0001870	salivary gland inflammation
MP:0001125	abnormal oocyte morphology
MP:0008673	decreased interleukin-13 secretion
ENSG00000123685	BATF3 PPI subnetwork
ENSG00000168412	MTNR1A PPI subnetwork
REACTOME_BILE_ACID_AND_BILE_SALT_M	REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM
GO:0030669	clathrin-coated endocytic vesicle membrane
GO:0009914	hormone transport
REACTOME_SYNTHESIS_SECRETION_AND_D	REACTOME_SYNTHESIS_SECRETION_AND_DEACYLATION_OF_
MP:0003400	kinked neural tube
ENSG00000013297	CLDN11 PPI subnetwork
MP:0001683	absent mesoderm
GO:0051289	protein homotetramerization
MP:0001696	failure to gastrulate
GO:0008238	exopeptidase activity
ENSG00000157227	MMP14 PPI subnetwork
ENSG00000165516	KLHDC2 PPI subnetwork
GO:0072503	cellular divalent inorganic cation homeostasis
ENSG00000115705	TPO PPI subnetwork
MP:0002442	abnormal leukocyte physiology
GO:0002690	positive regulation of leukocyte chemotaxis

GO:0031227	intrinsic to endoplasmic reticulum membrane
ENSG00000159110	IFNAR2 PPI subnetwork
GO:0000165	MAPK cascade
ENSG00000174851	YIF1A PPI subnetwork
ENSG00000134470	IL15RA PPI subnetwork
MP:0005232	abnormal mesenteric lymph node morphology
GO:0050921	positive regulation of chemotaxis
ENSG00000145623	OSMR PPI subnetwork
ENSG00000137070	IL11RA PPI subnetwork
REACTOME_SIGNALLING_BY_NGF	REACTOME_SIGNALLING_BY_NGF
GO:0033002	muscle cell proliferation
ENSG00000159113	ENSG00000159113 PPI subnetwork
GO:0050730	regulation of peptidyl-tyrosine phosphorylation
ENSG00000186809	ENSG00000186809 PPI subnetwork
ENSG00000147885	IFNA16 PPI subnetwork
ENSG00000137080	IFNA21 PPI subnetwork
ENSG00000120242	IFNA8 PPI subnetwork
ENSG00000147873	IFNA5 PPI subnetwork
ENSG00000188379	IFNA2 PPI subnetwork
ENSG00000147877	ENSG00000147877 PPI subnetwork
ENSG00000120247	ENSG00000120247 PPI subnetwork
ENSG00000186803	IFNA10 PPI subnetwork
MP:0002356	abnormal spleen red pulp morphology
MP:0002098	abnormal vibrissa morphology
ENSG00000185634	SHC4 PPI subnetwork
MP:0004774	abnormal bile salt level
MP:0002401	abnormal lymphopoiesis
GO:0005741	mitochondrial outer membrane
GO:0019903	protein phosphatase binding
MP:0001921	reduced fertility
MP:0002651	abnormal sciatic nerve morphology
ENSG00000164485	IL22RA2 PPI subnetwork
ENSG00000103522	IL21R PPI subnetwork
ENSG00000123496	IL13RA2 PPI subnetwork
REACTOME_FACILITATIVE_NA:INDEPENDEN	REACTOME_FACILITATIVE_NA:INDEPENDENT_GLUCOSE_TRAN
GO:0033762	response to glucagon stimulus
ENSG00000095139	ARCN1 PPI subnetwork
ENSG00000164305	CASP3 PPI subnetwork
ENSG00000167645	YIF1B PPI subnetwork
KEGG_LONG_TERM_DEPRESSION	KEGG_LONG_TERM_DEPRESSION
ENSG00000162191	UBXN1 PPI subnetwork
ENSG00000105829	BET1 PPI subnetwork
MP:0001726	abnormal allantois morphology
ENSG00000170677	SOCS6 PPI subnetwork
ENSG00000136738	STAM PPI subnetwork
GO:0008191	metalloendopeptidase inhibitor activity
GO:0048551	metalloenzyme inhibitor activity
GO:0002687	positive regulation of leukocyte migration
REACTOME_CHOLESTEROL_BIOSYNTHESIS	REACTOME_CHOLESTEROL_BIOSYNTHESIS
GO:0061041	regulation of wound healing

ENSG00000115641	FHL2 PPI subnetwork
GO:0016863	intramolecular oxidoreductase activity, transposing C=C bonds
REACTOME_PERK_REGULATED_GENE_EXPI	REACTOME_PERK_REGULATED_GENE_EXPRESSION
GO:0030155	regulation of cell adhesion
ENSG00000124334	IL9R PPI subnetwork
MP:0004251	failure of heart looping
ENSG00000180008	SOCS4 PPI subnetwork
GO:0009250	glucan biosynthetic process
GO:0005978	glycogen biosynthetic process
GO:0003823	antigen binding
KEGG_FOCAL_ADHESION	KEGG_FOCAL_ADHESION
KEGG_LINOLEIC_ACID_METABOLISM	KEGG_LINOLEIC_ACID_METABOLISM
MP:0008102	lymph node hyperplasia
ENSG00000109471	IL2 PPI subnetwork
REACTOME_MAPK_TARGETS_NUCLEAR_EV	REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
GO:0051917	regulation of fibrinolysis
GO:0060711	labyrinthine layer development
GO:0050873	brown fat cell differentiation
GO:0051004	regulation of lipoprotein lipase activity
MP:0003109	short femur
MP:0001196	shiny skin
GO:0032635	interleukin-6 production
ENSG00000112640	PPP2R5D PPI subnetwork
GO:0071219	cellular response to molecule of bacterial origin
ENSG00000185883	ATP6V0C PPI subnetwork
ENSG00000115594	IL1R1 PPI subnetwork
MP:0011088	partial neonatal lethality
ENSG00000105993	DNAJB6 PPI subnetwork
REACTOME_BIOLOGICAL_OXIDATIONS	REACTOME_BIOLOGICAL_OXIDATIONS
GO:0072378	blood coagulation, fibrin clot formation
ENSG00000130427	EPO PPI subnetwork
MP:0002801	abnormal long term object recognition memory
ENSG00000138592	USP8 PPI subnetwork
MP:0001177	atelectasis
REACTOME_PIP3_ACTIVATES_AKT_SIGNALI	REACTOME_PIP3_ACTIVATES_AKT_SIGNALING
GO:0016769	transferase activity, transferring nitrogenous groups
ENSG00000213416	KRTAP4-12 PPI subnetwork
ENSG00000212908	ENSG00000212908 PPI subnetwork
ENSG00000174125	TLR1 PPI subnetwork
GO:0006024	glycosaminoglycan biosynthetic process
ENSG00000070770	CSNK2A2 PPI subnetwork
MP:0001695	abnormal gastrulation
GO:0032675	regulation of interleukin-6 production
GO:0031349	positive regulation of defense response
GO:0045121	membrane raft
REACTOME_SEMAPHORIN_INTERACTIONS	REACTOME_SEMAPHORIN_INTERACTIONS
ENSG00000104368	PLAT PPI subnetwork
GO:0016835	carbon-oxygen lyase activity
REACTOME_INCRETIN_SYNTHESIS_SECRETI	REACTOME_INCRETIN_SYNTHESIS_SECRETION_AND_INACTIV

ENSG00000185436	IL28RA PPI subnetwork
REACTOME_BETA:CATENIN_PHOSPHORYLA	REACTOME_BETA:CATENIN_PHOSPHORYLATION_CASCADE
MP:0002432	abnormal CD4-positive T cell morphology
GO:0033692	cellular polysaccharide biosynthetic process
GO:0006874	cellular calcium ion homeostasis
GO:0016922	ligand-dependent nuclear receptor binding
ENSG00000165197	FIGF PPI subnetwork
MP:0001792	impaired wound healing
MP:0008395	abnormal osteoblast differentiation
GO:0019221	cytokine-mediated signaling pathway
MP:0001786	skin edema
KEGG_PENTOSE_PHOSPHATE_PATHWAY	KEGG_PENTOSE_PHOSPHATE_PATHWAY
ENSG00000136869	TLR4 PPI subnetwork
GO:0030139	endocytic vesicle
GO:0003785	actin monomer binding
GO:0030299	intestinal cholesterol absorption
ENSG00000169896	ITGAM PPI subnetwork
MP:0001793	altered susceptibility to infection
REACTOME_SIGNALING_BY_ERBB4	REACTOME_SIGNALING_BY_ERBB4
MP:0006397	disorganized long bone epiphyseal plate
GO:0032270	positive regulation of cellular protein metabolic process
REACTOME_ETHANOL_OXIDATION	REACTOME_ETHANOL_OXIDATION
ENSG00000134954	ETS1 PPI subnetwork
GO:0016577	histone demethylation
REACTOME_TRAF6_MEDIATED_NF:KB_ACT	REACTOME_TRAF6_MEDIATED_NF:KB_ACTIVATION
ENSG00000085063	CD59 PPI subnetwork
GO:0022603	regulation of anatomical structure morphogenesis
REACTOME_REGULATION_OF_IFNG_SIGNA	REACTOME_REGULATION_OF_IFNG_SIGNALING
ENSG00000184489	PTP4A3 PPI subnetwork
ENSG00000146701	MDH2 PPI subnetwork
ENSG00000103343	ZNF174 PPI subnetwork
GO:0008483	transaminase activity
ENSG00000087191	PSMC5 PPI subnetwork
ENSG00000150281	CTF1 PPI subnetwork
ENSG00000102878	HSF4 PPI subnetwork
GO:0051090	regulation of sequence-specific DNA binding transcription fact
GO:0002252	immune effector process
ENSG00000002745	WNT16 PPI subnetwork
REACTOME_PYRUVATE_METABOLISM_ANI	REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TC/
MP:0003149	abnormal tectorial membrane morphology
ENSG00000206172	HBA1 PPI subnetwork
ENSG00000188536	HBA2 PPI subnetwork
ENSG00000152944	MED21 PPI subnetwork
MP:0004779	abnormal production of surfactant
ENSG00000122565	CBX3 PPI subnetwork
ENSG00000162772	ATF3 PPI subnetwork
KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS
GO:0043408	regulation of MAPK cascade
ENSG00000185245	GP1BA PPI subnetwork
ENSG00000077942	FBLN1 PPI subnetwork

ENSG00000169375	SIN3A PPI subnetwork
ENSG00000135903	PAX3 PPI subnetwork
ENSG00000119630	PGF PPI subnetwork
MP:0001805	decreased IgG level
ENSG00000088035	ALG6 PPI subnetwork
ENSG00000006638	TBXA2R PPI subnetwork
MP:0001273	decreased metastatic potential
ENSG00000131269	ABCB7 PPI subnetwork
MP:0001132	absent mature ovarian follicles
ENSG00000109320	NFKB1 PPI subnetwork
KEGG_MATURITY_ONSET_DIABETES_OF_TH	KEGG_MATURITY_ONSET_DIABETES_OF_THE_YOUNG
ENSG00000105085	MED26 PPI subnetwork
MP:0002796	impaired skin barrier function
GO:0003705	RNA polymerase II distal enhancer sequence-specific DNA binc
GO:0004177	aminopeptidase activity
ENSG00000142677	IL22RA1 PPI subnetwork
ENSG00000078579	FGF20 PPI subnetwork
GO:0043542	endothelial cell migration
MP:0000321	increased bone marrow cell number
ENSG00000102145	GATA1 PPI subnetwork
GO:0050708	regulation of protein secretion
GO:0042578	phosphoric ester hydrolase activity
ENSG00000130522	JUND PPI subnetwork
MP:0002408	abnormal double-positive T cell morphology
ENSG00000081985	IL12RB2 PPI subnetwork
MP:0009417	skeletal muscle atrophy
ENSG00000180182	MED14 PPI subnetwork
ENSG00000113520	IL4 PPI subnetwork
KEGG_STARCH_AND_SUCROSE_METABOLIS	KEGG_STARCH_AND_SUCROSE_METABOLISM
KEGG_PROTEIN_EXPORT	KEGG_PROTEIN_EXPORT
MP:0009814	increased prostaglandin level
GO:0045334	clathrin-coated endocytic vesicle
GO:0000187	activation of MAPK activity
ENSG00000196498	NCOR2 PPI subnetwork
ENSG00000131724	IL13RA1 PPI subnetwork
ENSG00000206156	ENSG00000206156 PPI subnetwork
ENSG00000186868	MAPT PPI subnetwork
ENSG00000189403	HMGB1 PPI subnetwork
ENSG00000170522	ELOVL6 PPI subnetwork
REACTOME_CHEMOKINE_RECEPTORS_BINI	REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
ENSG00000069431	ABCC9 PPI subnetwork
ENSG00000137642	SORL1 PPI subnetwork
MP:0008499	increased IgG1 level
REACTOME_ADAPTIVE_IMMUNE_SYSTEM	REACTOME_ADAPTIVE_IMMUNE_SYSTEM
GO:0009069	serine family amino acid metabolic process
GO:0003712	transcription cofactor activity
ENSG00000171720	HDAC3 PPI subnetwork
ENSG00000157404	KIT PPI subnetwork
REACTOME_ACTIVATION_OF_GENES_BY_A	REACTOME_ACTIVATION_OF_GENES_BY_ATF4
MP:0006029	abnormal sclerotome morphology

GO:0019229	regulation of vasoconstriction
REACTOME_METAL_ION_SLC_TRANSPORTE	REACTOME_METAL_ION_SLC_TRANSPORTERS
ENSG00000196700	ZNF512B PPI subnetwork
ENSG00000099250	NRP1 PPI subnetwork
GO:0005793	endoplasmic reticulum-Golgi intermediate compartment
ENSG00000122679	RAMP3 PPI subnetwork
REACTOME_INTEGRATION_OF_ENERGY_MI	REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
ENSG00000100380	ST13 PPI subnetwork
MP:0005542	corneal vascularization
ENSG00000177606	JUN PPI subnetwork
MP:0002085	abnormal embryonic tissue morphology
GO:0051169	nuclear transport
ENSG00000105379	ETFB PPI subnetwork
ENSG00000127824	TUBA4A PPI subnetwork
MP:0003058	increased insulin secretion
ENSG00000165025	SYK PPI subnetwork
MP:0008539	decreased susceptibility to induced colitis
ENSG00000141456	ENSG00000141456 PPI subnetwork
ENSG00000101199	ARFGAP1 PPI subnetwork
GO:0002700	regulation of production of molecular mediator of immune res
GO:0002573	myeloid leukocyte differentiation
ENSG00000115904	SOS1 PPI subnetwork
GO:0046879	hormone secretion
ENSG00000082175	PGR PPI subnetwork
ENSG00000140009	ESR2 PPI subnetwork
GO:0006482	protein demethylation
GO:0008214	protein dealkylation
ENSG00000066336	SPI1 PPI subnetwork
ENSG00000105127	AKAP8 PPI subnetwork
REACTOME_TAK1_ACTIVATES_NFKB_BY_PH	REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_
ENSG00000136824	SMC2 PPI subnetwork
MP:0000416	sparse hair
GO:0005765	lysosomal membrane
GO:0001818	negative regulation of cytokine production
MP:0000135	decreased compact bone thickness
MP:0004804	decreased susceptibility to autoimmune diabetes
ENSG00000087266	SH3BP2 PPI subnetwork
GO:0042594	response to starvation
GO:0030308	negative regulation of cell growth
MP:0000717	abnormal lymphocyte cell number
ENSG00000090776	EFNB1 PPI subnetwork
GO:0031526	brush border membrane
ENSG00000168884	TNIP2 PPI subnetwork
GO:0050920	regulation of chemotaxis
MP:0004616	lumbar vertebral transformation
ENSG00000153879	CEBPG PPI subnetwork
GO:0006873	cellular ion homeostasis
ENSG00000144648	CCBP2 PPI subnetwork
GO:0045428	regulation of nitric oxide biosynthetic process
ENSG00000181061	HIGD1A PPI subnetwork

GO:0000988	protein binding transcription factor activity
MP:0004261	abnormal embryonic neuroepithelium morphology
ENSG00000163823	CCR1 PPI subnetwork
MP:0009395	increased nucleated erythrocyte cell number
REACTOME_ZINC_INFLUX_INTO_CELLS_BY_	REACTOME_ZINC_INFLUX_INTO_CELLS_BY_THE_SLC39_GENE_
ENSG00000184575	XPOT PPI subnetwork
ENSG00000127993	RBM48 PPI subnetwork
ENSG00000102010	BMX PPI subnetwork
GO:0030131	clathrin adaptor complex
ENSG00000108342	CSF3 PPI subnetwork
REACTOME_REGULATION_OF_GENE_EXPRE	REACTOME_REGULATION_OF_GENE_EXPRESSION_IN_BETA_C
ENSG00000170759	KIF5B PPI subnetwork
GO:0016725	oxidoreductase activity, acting on CH or CH2 groups
ENSG00000174791	RIN1 PPI subnetwork
ENSG00000100811	YY1 PPI subnetwork
GO:0046875	ephrin receptor binding
MP:0004696	abnormal thyroid follicle morphology
GO:0017046	peptide hormone binding
ENSG00000063322	MED29 PPI subnetwork
MP:0000069	kyphoscoliosis
MP:0001146	abnormal testis morphology
ENSG00000171223	JUNB PPI subnetwork
ENSG00000178913	TAF7 PPI subnetwork
ENSG00000141026	MED9 PPI subnetwork
ENSG00000182093	WRB PPI subnetwork
MP:0000952	abnormal CNS glial cell morphology
ENSG00000155926	SLA PPI subnetwork
MP:0001672	abnormal embryogenesis/ development
ENSG00000016402	IL20RA PPI subnetwork
MP:0010551	abnormal coronary vessel morphology
ENSG00000168918	INPP5D PPI subnetwork
ENSG00000115966	ATF2 PPI subnetwork
REACTOME_THROMBIN_SIGNALLING_THRO	REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE
GO:0001968	fibronectin binding
MP:0003733	abnormal retinal inner nuclear layer morphology
ENSG00000117758	STX12 PPI subnetwork
MP:0000788	abnormal cerebral cortex morphology
MP:0009767	decreased sensitivity to xenobiotic induced morbidity/mortalit
MP:0002495	increased IgA level
GO:0030119	AP-type membrane coat adaptor complex
ENSG00000116711	PLA2G4A PPI subnetwork
REACTOME_IRON_UPTAKE_AND_TRANSPO	REACTOME_IRON_UPTAKE_AND_TRANSPORT
ENSG00000148773	MKI67 PPI subnetwork
GO:0003714	transcription corepressor activity
ENSG00000139637	C12orf10 PPI subnetwork
GO:0015149	hexose transmembrane transporter activity
GO:0019825	oxygen binding
MP:0002376	abnormal dendritic cell physiology
ENSG00000165916	PSMC3 PPI subnetwork
ENSG00000100504	PYGL PPI subnetwork

ENSG00000110944	IL23A PPI subnetwork
REACTOME_SIGNALING_BY_INSULIN_RECEI	REACTOME_SIGNALING_BY_INSULIN_RECEPTOR
ENSG00000171759	PAH PPI subnetwork
ENSG00000185507	IRF7 PPI subnetwork
MP:0000371	diluted coat color
ENSG00000103942	HOMER2 PPI subnetwork
GO:0048246	macrophage chemotaxis
ENSG00000085231	TAF9 PPI subnetwork
MP:0001879	abnormal lymphatic vessel morphology
MP:0008143	abnormal dendrite morphology
ENSG00000112658	SRF PPI subnetwork
ENSG00000162552	WNT4 PPI subnetwork
ENSG00000125352	RNF113A PPI subnetwork
GO:0045766	positive regulation of angiogenesis
ENSG00000130640	TUBGCP2 PPI subnetwork
ENSG00000152270	PDE3B PPI subnetwork
MP:0001194	dermatitis
MP:0006254	thin cerebral cortex
MP:0002001	blindness
ENSG00000147383	NSDHL PPI subnetwork
ENSG00000136997	MYC PPI subnetwork
GO:0016289	CoA hydrolase activity
ENSG00000133794	ARNTL PPI subnetwork
GO:0051262	protein tetramerization
MP:0008140	podocyte foot process effacement
ENSG00000012223	LTF PPI subnetwork
ENSG00000003400	CASP10 PPI subnetwork
ENSG00000112062	MAPK14 PPI subnetwork
ENSG00000082641	NFE2L1 PPI subnetwork
GO:0000989	transcription factor binding transcription factor activity
GO:0015645	fatty acid ligase activity
ENSG00000170606	HSPA4 PPI subnetwork
GO:0017147	Wnt-protein binding
GO:0046822	regulation of nucleocytoplasmic transport
GO:0050731	positive regulation of peptidyl-tyrosine phosphorylation
ENSG00000111275	ALDH2 PPI subnetwork
MP:0002075	abnormal coat/hair pigmentation
ENSG00000091136	LAMB1 PPI subnetwork
MP:0002183	gliosis
GO:0005179	hormone activity
MP:0004794	increased anti-nuclear antigen antibody level
ENSG00000148082	SHC3 PPI subnetwork
GO:0051184	cofactor transporter activity
ENSG00000120708	TGFBI PPI subnetwork
GO:0044420	extracellular matrix part
MP:0008151	increased diameter of long bones
GO:0030855	epithelial cell differentiation
KEGG_ETHER_LIPID_METABOLISM	KEGG_ETHER_LIPID_METABOLISM
GO:0045723	positive regulation of fatty acid biosynthetic process
GO:0006913	nucleocytoplasmic transport

ENSG00000181656	GPR88 PPI subnetwork
MP:0004969	pale kidney
GO:0051348	negative regulation of transferase activity
MP:0004471	short nasal bone
ENSG00000099331	MYO9B PPI subnetwork
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_P	KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
ENSG00000163513	TGFBR2 PPI subnetwork
MP:0008208	decreased pro-B cell number
GO:0006091	generation of precursor metabolites and energy
GO:0071496	cellular response to external stimulus
GO:0005743	mitochondrial inner membrane
ENSG00000000938	FGR PPI subnetwork
GO:0030162	regulation of proteolysis
MP:0004025	polyploidy
ENSG00000212645	ENSG00000212645 PPI subnetwork
GO:0051345	positive regulation of hydrolase activity
GO:0017038	protein import
ENSG00000120885	CLU PPI subnetwork
MP:0000372	irregular coat pigmentation
GO:0046933	hydrogen ion transporting ATP synthase activity, rotational me
MP:0006398	increased long bone epiphyseal plate size
ENSG00000215120	ENSG00000215120 PPI subnetwork
ENSG00000156299	TIAM1 PPI subnetwork
MP:0003797	abnormal compact bone morphology
ENSG00000101210	EEF1A2 PPI subnetwork
MP:0008474	absent spleen germinal center
ENSG00000198517	MAFK PPI subnetwork
GO:0008083	growth factor activity
MP:0004154	renal tubular necrosis
REACTOME_AMINO_ACID_TRANSPORT_AC	REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE_PLASM
ENSG00000178585	CTNNBIP1 PPI subnetwork
MP:0003453	abnormal keratinocyte physiology
KEGG_NOTCH_SIGNALING_PATHWAY	KEGG_NOTCH_SIGNALING_PATHWAY
GO:0005246	calcium channel regulator activity
ENSG00000183072	NKX2-5 PPI subnetwork
ENSG00000122126	OCRL PPI subnetwork
REACTOME_TRANSPORT_OF_VITAMINS_NU	REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_
MP:0002494	increased IgM level
ENSG00000010671	BTK PPI subnetwork
ENSG00000108264	TADA2A PPI subnetwork
GO:0016918	retinal binding
ENSG00000173575	CHD2 PPI subnetwork
MP:0004966	abnormal inner cell mass proliferation
GO:0004180	carboxypeptidase activity
MP:0004215	abnormal myocardial fiber physiology
GO:0070461	SAGA-type complex
GO:0043277	apoptotic cell clearance
ENSG00000160224	AIRE PPI subnetwork
GO:0045444	fat cell differentiation
MP:0000696	abnormal Peyer's patch morphology

ENSG00000103035	PSMD7 PPI subnetwork
ENSG00000105197	TIMM50 PPI subnetwork
ENSG00000215719	ENSG00000215719 PPI subnetwork
MP:0001501	abnormal sleep pattern
ENSG00000154764	WNT7A PPI subnetwork
ENSG00000160741	CRTC2 PPI subnetwork
ENSG00000104814	MAP4K1 PPI subnetwork
ENSG00000164050	PLXNB1 PPI subnetwork
GO:0019866	organelle inner membrane
MP:0011346	renal tubule atrophy
ENSG00000100994	PYGB PPI subnetwork
MP:0008657	increased interleukin-1 beta secretion
ENSG00000100603	SNW1 PPI subnetwork
GO:0005903	brush border
GO:0030897	HOPS complex
ENSG00000173372	C1QA PPI subnetwork
ENSG00000090020	SLC9A1 PPI subnetwork
ENSG00000064313	TAF2 PPI subnetwork
ENSG00000059378	PARP12 PPI subnetwork
ENSG00000162298	SYVN1 PPI subnetwork
ENSG00000136286	MYO1G PPI subnetwork
ENSG00000126767	ELK1 PPI subnetwork
MP:0005598	decreased ventricle muscle contractility
ENSG00000140284	SLC27A2 PPI subnetwork
MP:0002465	abnormal eosinophil physiology
ENSG00000170581	STAT2 PPI subnetwork
ENSG00000088247	KHSRP PPI subnetwork
MP:0003632	abnormal nervous system morphology
ENSG00000099942	CRKL PPI subnetwork
GO:0005044	scavenger receptor activity
MP:0003974	abnormal endocardium morphology
ENSG00000197930	ERO1L PPI subnetwork
MP:0001274	curly vibrissae
ENSG00000114942	EEF1B2 PPI subnetwork
MP:0002413	abnormal megakaryocyte progenitor cell morphology
MP:0004362	cochlear hair cell degeneration
KEGG_TGF_BETA_SIGNALING_PATHWAY	KEGG_TGF_BETA_SIGNALING_PATHWAY
MP:0006413	increased T cell apoptosis
MP:0000783	abnormal forebrain morphology
ENSG00000137275	RIPK1 PPI subnetwork
REACTOME_TRANSFERRIN_ENDOCYTOSIS_/	REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING
MP:0005608	cardiac interstitial fibrosis
ENSG00000101336	HCK PPI subnetwork
REACTOME_TRANSMEMBRANE_TRANSPOR	REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MO
MP:0008475	intermingled spleen red and white pulp
ENSG00000142871	CYR61 PPI subnetwork
GO:0016798	hydrolase activity, acting on glycosyl bonds
MP:0000239	absent common myeloid progenitor cells
MP:0004772	abnormal bile secretion
ENSG00000120693	SMAD9 PPI subnetwork

MP:0003704	abnormal hair follicle development
MP:0000291	enlarged pericardium
MP:0001399	hyperactivity
GO:0004896	cytokine receptor activity
ENSG00000105376	ICAM5 PPI subnetwork
ENSG00000140992	PDPK1 PPI subnetwork
ENSG00000110092	CCND1 PPI subnetwork
ENSG00000135744	AGT PPI subnetwork
ENSG00000011243	AKAP8L PPI subnetwork
ENSG00000186810	CXCR3 PPI subnetwork
MP:0002273	abnormal pulmonary alveolus epithelial cell morphology
ENSG00000155897	ADCY8 PPI subnetwork
ENSG00000167658	EEF2 PPI subnetwork
ENSG00000171793	CTPS PPI subnetwork
MP:0008723	impaired eosinophil recruitment
ENSG00000185624	P4HB PPI subnetwork
GO:0050818	regulation of coagulation
REACTOME_AMINO_ACID_SYNTHESIS_AND	REACTOME_AMINO_ACID_SYNTHESIS_AND_INTERCONVERSIC
ENSG00000095794	CREM PPI subnetwork
ENSG00000167004	PDIA3 PPI subnetwork
ENSG00000106123	EPHB6 PPI subnetwork
ENSG00000121542	SEC22A PPI subnetwork
MP:0001750	increased circulating follicle stimulating hormone level
REACTOME_SLC:MEDIATED_TRANSMEMBR	REACTOME_SLC:MEDIATED_TRANSMEMBRANE_TRANSPORT
ENSG00000141968	VAV1 PPI subnetwork
MP:0010375	increased kidney iron level
ENSG00000182866	LCK PPI subnetwork
GO:0032365	intracellular lipid transport
MP:0001633	poor circulation
ENSG00000184381	PLA2G6 PPI subnetwork
GO:0072593	reactive oxygen species metabolic process
GO:0006766	vitamin metabolic process
ENSG00000156052	GNAQ PPI subnetwork
GO:0019867	outer membrane
GO:0001726	ruffle
MP:0005329	abnormal myocardium layer morphology
GO:0030176	integral to endoplasmic reticulum membrane
ENSG00000115232	ITGA4 PPI subnetwork
GO:0007597	blood coagulation, intrinsic pathway
ENSG00000109339	MAPK10 PPI subnetwork
ENSG00000108175	ZMIZ1 PPI subnetwork
ENSG00000074966	TXK PPI subnetwork
MP:0011110	partial preweaning lethality
ENSG00000171862	PTEN PPI subnetwork
ENSG00000010278	CD9 PPI subnetwork
ENSG00000108296	CWC25 PPI subnetwork
MP:0001819	abnormal immune cell physiology
GO:0015833	peptide transport
MP:0002687	oligozoospermia
MP:0003111	abnormal cell nucleus morphology

GO:0004869	cysteine-type endopeptidase inhibitor activity
ENSG00000136485	DCAF7 PPI subnetwork
GO:0033627	cell adhesion mediated by integrin
ENSG00000063438	AHRR PPI subnetwork
GO:0031401	positive regulation of protein modification process
REACTOME_CYTOCHROME_P450_:_ARRAN	REACTOME_CYTOCHROME_P450_:_ARRANGED_BY_SUBSTRA
ENSG00000116106	EPHA4 PPI subnetwork
KEGG_ALANINE_ASPARTATE_AND_GLUTAM	KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM
GO:0033119	negative regulation of RNA splicing
REACTOME_VITAMIN_B5_PANTOTHENATE_	REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM
REACTOME_NEGATIVE_REGULATION_OF_F	REACTOME_NEGATIVE_REGULATION_OF_FGFR_SIGNALING
MP:0005464	abnormal platelet physiology
ENSG00000004660	CAMKK1 PPI subnetwork
GO:0008028	monocarboxylic acid transmembrane transporter activity
KEGG_STEROID_HORMONE_BIOSYNTHESIS	KEGG_STEROID_HORMONE_BIOSYNTHESIS
REACTOME_PI3KAKT_ACTIVATION	REACTOME_PI3KAKT_ACTIVATION
ENSG00000169136	ATF5 PPI subnetwork
REACTOME_INSULIN_RECEPTOR_SIGNALLIN	REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCADE
MP:0003799	impaired macrophage chemotaxis
MP:0001240	abnormal epidermis stratum corneum morphology
ENSG00000130985	UBA1 PPI subnetwork
ENSG00000164751	PEX2 PPI subnetwork
GO:0002637	regulation of immunoglobulin production
ENSG00000107863	ARHGAP21 PPI subnetwork
MP:0000780	abnormal corpus callosum morphology
GO:0007160	cell-matrix adhesion
ENSG00000052802	MSMO1 PPI subnetwork
ENSG00000205542	TMSB4X PPI subnetwork
GO:0008360	regulation of cell shape
ENSG00000133818	RRAS2 PPI subnetwork
ENSG00000159352	PSMD4 PPI subnetwork
GO:0001938	positive regulation of endothelial cell proliferation
ENSG00000175793	SFN PPI subnetwork
ENSG00000105723	GSK3A PPI subnetwork
MP:0004187	cardia bifida
ENSG00000124610	HIST1H1A PPI subnetwork
GO:0004602	glutathione peroxidase activity
GO:0045335	phagocytic vesicle
MP:0005617	increased susceptibility to type IV hypersensitivity reaction
GO:0031589	cell-substrate adhesion
GO:0033673	negative regulation of kinase activity
GO:0010573	vascular endothelial growth factor production
GO:0010574	regulation of vascular endothelial growth factor production
MP:0000005	increased brown adipose tissue amount
MP:0002113	abnormal skeleton development
MP:0008658	decreased interleukin-1 beta secretion
ENSG00000111859	NEDD9 PPI subnetwork
REACTOME_REGULATORY_RNA_PATHWAYS	REACTOME_REGULATORY_RNA_PATHWAYS
REACTOME_MICRORNA_MIRNA_BIOGENES	REACTOME_MICRORNA_MIRNA_BIOGENESIS
ENSG00000171867	PRNP PPI subnetwork

GO:0030203	glycosaminoglycan metabolic process
MP:0008563	decreased interferon-alpha secretion
ENSG00000112715	VEGFA PPI subnetwork
MP:0005478	decreased circulating thyroxine level
MP:0009790	decreased susceptibility to viral infection induced morbidity/m
ENSG00000205531	NAP1L4 PPI subnetwork
GO:0016840	carbon-nitrogen lyase activity
ENSG00000162105	SHANK2 PPI subnetwork
MP:0002893	ketoaciduria
ENSG00000174989	FBXW8 PPI subnetwork
ENSG00000112559	MDFI PPI subnetwork
ENSG00000198626	RYR2 PPI subnetwork
ENSG00000057294	PKP2 PPI subnetwork
ENSG00000100941	PNN PPI subnetwork
ENSG00000099194	SCD PPI subnetwork
GO:0006635	fatty acid beta-oxidation
GO:0008144	drug binding
MP:0009660	abnormal induced retinal neovascularization
GO:0042826	histone deacetylase binding
GO:0019835	cytolysis
ENSG00000070371	CLTCL1 PPI subnetwork
GO:0042107	cytokine metabolic process
MP:0011090	partial perinatal lethality
ENSG00000171094	ALK PPI subnetwork
ENSG00000168090	COPS6 PPI subnetwork
GO:0030670	phagocytic vesicle membrane
GO:0042056	chemoattractant activity
GO:0004712	protein serine/threonine/tyrosine kinase activity
ENSG00000008952	SEC62 PPI subnetwork
REACTOME_SIGNALING_BY_ERBB2	REACTOME_SIGNALING_BY_ERBB2
MP:0005092	decreased double-positive T cell number
ENSG00000168374	ARF4 PPI subnetwork
ENSG00000138378	STAT4 PPI subnetwork
ENSG00000166888	STAT6 PPI subnetwork
ENSG00000175166	PSMD2 PPI subnetwork
ENSG00000096996	IL12RB1 PPI subnetwork
GO:0000272	polysaccharide catabolic process
GO:0032039	integrator complex
GO:0046943	carboxylic acid transmembrane transporter activity
GO:0014823	response to activity
ENSG00000033327	GAB2 PPI subnetwork
GO:0009395	phospholipid catabolic process
ENSG00000079805	DNM2 PPI subnetwork
ENSG00000106799	TGFBR1 PPI subnetwork
ENSG00000067704	IARS2 PPI subnetwork
MP:0002455	abnormal dendritic cell antigen presentation
GO:0000242	pericentriolar material
GO:0009925	basal plasma membrane
GO:0050820	positive regulation of coagulation
GO:0006022	aminoglycan metabolic process

ENSG00000135916	ITM2C PPI subnetwork
ENSG00000173366	ENSG00000173366 PPI subnetwork
ENSG00000134686	PHC2 PPI subnetwork
ENSG00000136518	ACTL6A PPI subnetwork
ENSG00000135144	DTX1 PPI subnetwork
ENSG00000214122	ENSG00000214122 PPI subnetwork
ENSG00000013441	CLK1 PPI subnetwork
GO:0043394	proteoglycan binding
GO:0002828	regulation of type 2 immune response
MP:0002626	increased heart rate
GO:0045937	positive regulation of phosphate metabolic process
GO:0010562	positive regulation of phosphorus metabolic process
MP:0008501	increased IgG2b level
MP:0001176	abnormal lung development
GO:0016049	cell growth
MP:0002621	delayed neural tube closure
ENSG00000108587	GOSR1 PPI subnetwork
GO:0006544	glycine metabolic process
ENSG00000165029	ABCA1 PPI subnetwork
MP:0001625	cardiac hypertrophy
GO:0016126	sterol biosynthetic process
GO:0046425	regulation of JAK-STAT cascade
ENSG00000105204	DYRK1B PPI subnetwork
ENSG00000206407	ENSG00000206407 PPI subnetwork
ENSG00000204569	PPP1R10 PPI subnetwork
ENSG00000206489	PPP1R10 PPI subnetwork
ENSG00000049246	PER3 PPI subnetwork
ENSG00000125952	MAX PPI subnetwork
MP:0003427	parakeratosis
ENSG00000115207	GTF3C2 PPI subnetwork
ENSG00000130699	TAF4 PPI subnetwork
GO:0050892	intestinal absorption
ENSG00000179335	CLK3 PPI subnetwork
MP:0002279	abnormal diaphragm morphology
GO:0046164	alcohol catabolic process
ENSG00000178952	TUFM PPI subnetwork
ENSG00000173369	C1QB PPI subnetwork
GO:0010470	regulation of gastrulation
GO:0003995	acyl-CoA dehydrogenase activity
MP:0008965	increased basal metabolism
ENSG00000116478	HDAC1 PPI subnetwork
ENSG00000108561	C1QBP PPI subnetwork
ENSG00000091409	ITGA6 PPI subnetwork
ENSG00000115884	SDC1 PPI subnetwork
ENSG00000212860	ENSG00000212860 PPI subnetwork
ENSG00000212866	HSPA1B PPI subnetwork
ENSG00000204388	HSPA1B PPI subnetwork
ENSG00000204389	HSPA1A PPI subnetwork
ENSG00000215292	ENSG00000215292 PPI subnetwork
ENSG00000126351	THRA PPI subnetwork

MP:0011348	abnormal renal glomerulus basement membrane morphology
GO:0003706	ligand-regulated transcription factor activity
ENSG00000064995	TAF11 PPI subnetwork
GO:0050729	positive regulation of inflammatory response
ENSG00000064999	ANKS1A PPI subnetwork
ENSG00000011422	PLAUR PPI subnetwork
ENSG00000145191	EIF2B5 PPI subnetwork
ENSG00000175592	FOSL1 PPI subnetwork
ENSG00000100985	MMP9 PPI subnetwork
KEGG_ERBB_SIGNALING_PATHWAY	KEGG_ERBB_SIGNALING_PATHWAY
MP:0000493	rectal prolapse
GO:0046883	regulation of hormone secretion
ENSG00000158517	NCF1 PPI subnetwork
MP:0008388	hypochromic microcytic anemia
ENSG00000213341	CHUK PPI subnetwork
MP:0000383	abnormal hair follicle orientation
ENSG00000172071	EIF2AK3 PPI subnetwork
ENSG00000133740	E2F5 PPI subnetwork
ENSG00000078399	HOXA9 PPI subnetwork
ENSG00000127616	SMARCA4 PPI subnetwork
ENSG00000177200	CHD9 PPI subnetwork
ENSG00000113300	CNOT6 PPI subnetwork
KEGG_ABC_TRANSPORTERS	KEGG_ABC_TRANSPORTERS
GO:0050663	cytokine secretion
GO:0008305	integrin complex
ENSG00000136156	ITM2B PPI subnetwork
MP:0002664	decreased circulating adrenocorticotropin level
ENSG00000187741	FANCA PPI subnetwork
MP:0004808	abnormal hematopoietic stem cell morphology
ENSG00000184203	PPP1R2 PPI subnetwork
ENSG00000187558	ENSG00000187558 PPI subnetwork
MP:0010373	myeloid hyperplasia
ENSG00000148248	SURF4 PPI subnetwork
GO:0048487	beta-tubulin binding
ENSG00000106992	AK1 PPI subnetwork
REACTOME_TRYPTOPHAN_CATABOLISM	REACTOME_TRYPTOPHAN_CATABOLISM
GO:0030166	proteoglycan biosynthetic process
ENSG00000132170	PPARG PPI subnetwork
GO:0002064	epithelial cell development
ENSG00000110799	VWF PPI subnetwork
ENSG00000125503	PPP1R12C PPI subnetwork
ENSG00000115590	IL1R2 PPI subnetwork
GO:0010721	negative regulation of cell development
ENSG00000173692	PSMD1 PPI subnetwork
ENSG00000113916	BCL6 PPI subnetwork
ENSG00000077150	NFKB2 PPI subnetwork
ENSG00000015285	WAS PPI subnetwork
ENSG00000119729	RHOQ PPI subnetwork
ENSG00000088256	GNA11 PPI subnetwork
MP:0009764	decreased sensitivity to induced morbidity/mortality

ENSG00000134259	NGF PPI subnetwork
GO:0033157	regulation of intracellular protein transport
ENSG00000100852	ARHGAP5 PPI subnetwork
ENSG00000104973	MED25 PPI subnetwork
ENSG00000121741	ZMYM2 PPI subnetwork
GO:0004497	monooxygenase activity
GO:0051050	positive regulation of transport
GO:0044241	lipid digestion
MP:0008700	decreased interleukin-4 secretion
MP:0000367	abnormal coat/ hair morphology
ENSG00000108691	CCL2 PPI subnetwork
ENSG00000118046	STK11 PPI subnetwork
ENSG00000185386	MAPK11 PPI subnetwork
ENSG00000010610	CD4 PPI subnetwork
GO:0045860	positive regulation of protein kinase activity
ENSG00000152455	SUV39H2 PPI subnetwork
GO:0005925	focal adhesion
ENSG00000120690	ELF1 PPI subnetwork
ENSG00000115221	ITGB6 PPI subnetwork
ENSG00000118785	SPP1 PPI subnetwork
GO:0046332	SMAD binding
ENSG00000102753	KPNA3 PPI subnetwork
ENSG00000110148	CCKBR PPI subnetwork
GO:0050673	epithelial cell proliferation
ENSG00000012983	MAP4K5 PPI subnetwork
GO:0008217	regulation of blood pressure
GO:0035337	fatty-acyl-CoA metabolic process
GO:0046949	fatty-acyl-CoA biosynthetic process
REACTOME_XENOBIOTICS	REACTOME_XENOBIOTICS
GO:0016614	oxidoreductase activity, acting on CH-OH group of donors
MP:0005294	abnormal heart ventricle morphology
MP:0005171	absent coat pigmentation
ENSG00000108094	CUL2 PPI subnetwork
ENSG00000100888	CHD8 PPI subnetwork
ENSG00000100485	SOS2 PPI subnetwork
ENSG00000136631	VPS45 PPI subnetwork
ENSG00000137574	TGS1 PPI subnetwork
ENSG00000049759	NEDD4L PPI subnetwork
GO:0006007	glucose catabolic process
GO:0050776	regulation of immune response
MP:0002497	increased IgE level
ENSG00000115233	PSMD14 PPI subnetwork
GO:0015144	carbohydrate transmembrane transporter activity
GO:0005902	microvillus
ENSG00000124788	ATXN1 PPI subnetwork
ENSG00000173889	PHC3 PPI subnetwork
GO:0017017	MAP kinase tyrosine/serine/threonine phosphatase activity
ENSG00000134245	WNT2B PPI subnetwork
GO:0048185	activin binding
GO:0033549	MAP kinase phosphatase activity

ENSG00000108443	RPS6KB1 PPI subnetwork
ENSG00000180817	PPA1 PPI subnetwork
ENSG00000157766	ACAN PPI subnetwork
ENSG00000157193	LRP8 PPI subnetwork
ENSG00000132361	KIAA0664 PPI subnetwork
ENSG00000173011	TADA2B PPI subnetwork
GO:0005178	integrin binding
ENSG00000174231	PRPF8 PPI subnetwork
ENSG00000160094	ZNF362 PPI subnetwork
MP:0004905	decreased uterus weight
MP:0004852	decreased testis weight
ENSG00000203747	FCGR3A PPI subnetwork
ENSG00000147044	CASK PPI subnetwork
MP:0005017	decreased B cell number
ENSG00000157344	ENSG00000157344 PPI subnetwork
GO:0001936	regulation of endothelial cell proliferation
MP:0008042	abnormal NK T cell physiology
ENSG00000124145	SDC4 PPI subnetwork
ENSG00000142892	PIGK PPI subnetwork
ENSG00000172534	HCFC1 PPI subnetwork
ENSG00000142192	APP PPI subnetwork
MP:0004046	abnormal mitosis
GO:0045597	positive regulation of cell differentiation
MP:0005425	increased macrophage cell number
ENSG00000161203	AP2M1 PPI subnetwork
ENSG00000163464	CXCR1 PPI subnetwork
KEGG_DRUG_METABOLISM_CYTOCHROME	KEGG_DRUG_METABOLISM_CYTOCHROME_P450
ENSG00000064601	CTSA PPI subnetwork
GO:0070851	growth factor receptor binding
GO:0006023	aminoglycan biosynthetic process
GO:0051023	regulation of immunoglobulin secretion
ENSG00000118402	ELOVL4 PPI subnetwork
MP:0002108	abnormal muscle morphology
ENSG00000105289	TJP3 PPI subnetwork
MP:0001762	polyuria
REACTOME_A_THIRD_PROTEOLYTIC_CLEAV	REACTOME_A_THIRD_PROTEOLYTIC_CLEAVAGE_RELEASES_N
MP:0001973	increased thermal nociceptive threshold
GO:0042089	cytokine biosynthetic process
ENSG00000170027	YWHAG PPI subnetwork
ENSG00000186081	KRT5 PPI subnetwork
GO:0031098	stress-activated protein kinase signaling cascade
KEGG_BUTANOATE_METABOLISM	KEGG_BUTANOATE_METABOLISM
ENSG00000185627	PSMD13 PPI subnetwork
ENSG00000197063	MAFG PPI subnetwork
ENSG00000125740	FOSB PPI subnetwork
MP:0009703	decreased birth body size
ENSG00000108061	SHOC2 PPI subnetwork
ENSG00000144867	SRPRB PPI subnetwork
ENSG00000176476	CCDC101 PPI subnetwork
ENSG00000125447	GGA3 PPI subnetwork

ENSG00000118579	MED28 PPI subnetwork
GO:0004861	cyclin-dependent protein kinase inhibitor activity
GO:0060193	positive regulation of lipase activity
ENSG00000111725	PRKAB1 PPI subnetwork
MP:0005480	increased circulating triiodothyronine level
GO:0043406	positive regulation of MAP kinase activity
REACTOME_RECYCLING_OF_BILE_ACIDS_AI	REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS
ENSG00000112242	E2F3 PPI subnetwork
ENSG00000067596	DHX8 PPI subnetwork
ENSG00000116044	NFE2L2 PPI subnetwork
ENSG00000105647	PIK3R2 PPI subnetwork
GO:0055037	recycling endosome
ENSG00000172572	PDE3A PPI subnetwork
ENSG00000189091	SF3B3 PPI subnetwork
ENSG00000117335	CD46 PPI subnetwork
ENSG00000188153	COL4A5 PPI subnetwork
ENSG00000119718	EIF2B2 PPI subnetwork
MP:0003227	abnormal vascular branching morphogenesis
MP:0001688	abnormal somite development
GO:0045668	negative regulation of osteoblast differentiation
MP:0000281	abnormal interventricular septum morphology
ENSG00000120656	TAF12 PPI subnetwork
ENSG00000158691	ZSCAN12 PPI subnetwork
GO:0019199	transmembrane receptor protein kinase activity
GO:0005342	organic acid transmembrane transporter activity
ENSG00000120500	ARR3 PPI subnetwork
MP:0003997	tonic-clonic seizures
GO:0044057	regulation of system process
GO:0034754	cellular hormone metabolic process
GO:0006469	negative regulation of protein kinase activity
GO:0001558	regulation of cell growth
GO:0006767	water-soluble vitamin metabolic process
ENSG00000105726	ATP13A1 PPI subnetwork
REACTOME_SEMA3A_PAK_DEPENDENT_AX	REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION
ENSG00000122641	INHBA PPI subnetwork
GO:0006520	cellular amino acid metabolic process
MP:0004799	increased susceptibility to experimental autoimmune encepha
ENSG00000162236	STX5 PPI subnetwork
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_	KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM
GO:0035336	long-chain fatty-acyl-CoA metabolic process
GO:0035338	long-chain fatty-acyl-CoA biosynthetic process
ENSG00000198911	SREBF2 PPI subnetwork
MP:0001663	abnormal digestive system physiology
GO:0001540	beta-amyloid binding
GO:0032386	regulation of intracellular transport
ENSG00000114982	KANSL3 PPI subnetwork
MP:0000063	decreased bone mineral density
GO:0009063	cellular amino acid catabolic process
MP:0004031	insulitis
MP:0003156	abnormal leukocyte migration

ENSG00000185591	SP1 PPI subnetwork
ENSG00000108821	COL1A1 PPI subnetwork
ENSG00000143226	FCGR2A PPI subnetwork
MP:0002176	increased brain weight
ENSG00000114573	ATP6V1A PPI subnetwork
ENSG00000166484	MAPK7 PPI subnetwork
ENSG00000197451	HNRNPAB PPI subnetwork
ENSG00000118985	ELL2 PPI subnetwork
REACTOME_SIGNALING_BY_NODAL	REACTOME_SIGNALING_BY_NODAL
GO:0051918	negative regulation of fibrinolysis
GO:0000302	response to reactive oxygen species
GO:0050707	regulation of cytokine secretion
ENSG00000196405	EVL PPI subnetwork
REACTOME_IMMUNOREGULATORY_INTERA	REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN
MP:0000708	thymus hyperplasia
GO:0015399	primary active transmembrane transporter activity
GO:0015405	P-P-bond-hydrolysis-driven transmembrane transporter activit
GO:0042730	fibrinolysis
GO:0009310	amine catabolic process
ENSG00000108688	CCL7 PPI subnetwork
MP:0002759	abnormal caudal vertebrae morphology
MP:0004486	decreased response of heart to induced stress
ENSG00000142875	PRKACB PPI subnetwork
GO:0016782	transferase activity, transferring sulfur-containing groups
ENSG00000143816	WNT9A PPI subnetwork
ENSG00000169884	WNT10B PPI subnetwork
ENSG00000075290	WNT8B PPI subnetwork
ENSG00000135925	WNT10A PPI subnetwork
ENSG00000105989	WNT2 PPI subnetwork
ENSG00000061492	WNT8A PPI subnetwork
ENSG00000158955	WNT9B PPI subnetwork
ENSG00000085741	WNT11 PPI subnetwork
MP:0002088	abnormal embryonic growth/weight/body size
ENSG00000182195	LDOC1 PPI subnetwork
MP:0008470	abnormal spleen B cell follicle morphology
MP:0009379	abnormal foot pigmentation
GO:0019320	hexose catabolic process
GO:0002697	regulation of immune effector process
MP:0000039	abnormal otic capsule morphology
MP:0004618	thoracic vertebral transformation
MP:0002724	enhanced wound healing
ENSG00000174175	SELP PPI subnetwork
GO:0048008	platelet-derived growth factor receptor signaling pathway
ENSG00000152268	ENSG00000152268 PPI subnetwork
GO:0042445	hormone metabolic process
ENSG00000162924	REL PPI subnetwork
MP:0002064	seizures
ENSG00000143375	CGN PPI subnetwork
MP:0002427	disproportionate dwarf
GO:0042393	histone binding

GO:0071222	cellular response to lipopolysaccharide
KEGG_CIRCADIAN_RHYTHM_MAMMAL	KEGG_CIRCADIAN_RHYTHM_MAMMAL
REACTOME_FACTORS_INVOLVED_IN_MEG/	REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVE
ENSG00000138468	SENP7 PPI subnetwork
ENSG00000198563	DDX39B PPI subnetwork
ENSG00000215412	ENSG00000215412 PPI subnetwork
ENSG00000215425	DDX39B PPI subnetwork
MP:0000832	abnormal thalamus morphology
ENSG00000149948	HMGA2 PPI subnetwork
GO:0030194	positive regulation of blood coagulation
ENSG00000130294	KIF1A PPI subnetwork
ENSG00000181090	EHMT1 PPI subnetwork
KEGG_GLYCOSAMINOGLYCAN_DEGRADATI	KEGG_GLYCOSAMINOGLYCAN_DEGRADATION
ENSG00000153187	HNRNPU PPI subnetwork
REACTOME_SIGNALING_BY_NOTCH	REACTOME_SIGNALING_BY_NOTCH
GO:0009968	negative regulation of signal transduction
GO:0031968	organelle outer membrane
GO:0010543	regulation of platelet activation
MP:0009937	abnormal neuron differentiation
GO:0008047	enzyme activator activity
MP:0004527	abnormal outer hair cell stereociliary bundle morphology
MP:0003542	abnormal vascular endothelial cell development
MP:0002092	abnormal eye morphology
ENSG00000141543	EIF4A3 PPI subnetwork
GO:0004089	carbonate dehydratase activity
REACTOME_IRS:MEDIATED_SIGNALLING	REACTOME_IRS:MEDIATED_SIGNALLING
REACTOME_IRS:RELATED_EVENTS	REACTOME_IRS:RELATED_EVENTS
ENSG00000070159	PTPN3 PPI subnetwork
ENSG00000153922	CHD1 PPI subnetwork
GO:0008080	N-acetyltransferase activity
GO:0014910	regulation of smooth muscle cell migration
REACTOME_COPI_MEDIATED_TRANSPORT	REACTOME_COPI_MEDIATED_TRANSPORT
REACTOME_GOLGI_TO_ER_RETROGRADE_	REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT
ENSG00000132005	RFX1 PPI subnetwork
GO:0005776	autophagic vacuole
ENSG00000196776	CD47 PPI subnetwork
GO:0008654	phospholipid biosynthetic process
GO:0002455	humoral immune response mediated by circulating immunogl
GO:0004553	hydrolase activity, hydrolyzing O-glycosyl compounds
GO:0030663	COPI coated vesicle membrane
GO:0044272	sulfur compound biosynthetic process
ENSG00000134287	ARF3 PPI subnetwork
ENSG00000160695	ENSG00000160695 PPI subnetwork
GO:0046942	carboxylic acid transport
GO:0002790	peptide secretion
GO:0046697	decidualization
ENSG00000169957	ZNF768 PPI subnetwork
ENSG00000140464	PML PPI subnetwork
GO:0006509	membrane protein ectodomain proteolysis
ENSG00000163520	FBLN2 PPI subnetwork

GO:0042327	positive regulation of phosphorylation
MP:0002111	abnormal tail morphology
ENSG00000119812	FAM98A PPI subnetwork
GO:0019887	protein kinase regulator activity
ENSG00000175221	MED16 PPI subnetwork
ENSG00000203283	ENSG00000203283 PPI subnetwork
ENSG00000161570	CCL5 PPI subnetwork
MP:0001745	increased circulating corticosterone level
ENSG00000118503	TNFAIP3 PPI subnetwork
ENSG00000116962	NID1 PPI subnetwork
MP:0002864	abnormal ocular fundus morphology
ENSG00000187840	EIF4EBP1 PPI subnetwork
MP:0002625	heart left ventricle hypertrophy
REACTOME_DEADENYLATION_OF_MRNA	REACTOME_DEADENYLATION_OF_MRNA
ENSG00000166913	YWHAB PPI subnetwork
ENSG00000198793	MTOR PPI subnetwork
GO:0016616	oxidoreductase activity, acting on the CH-OH group of donors,
ENSG00000124783	SSR1 PPI subnetwork
GO:0008060	ARF GTPase activator activity
MP:0004148	increased compact bone thickness
ENSG00000049618	ARID1B PPI subnetwork
ENSG00000215328	HSPA1A PPI subnetwork
ENSG00000197780	TAF13 PPI subnetwork
GO:0002792	negative regulation of peptide secretion
ENSG00000160678	S100A1 PPI subnetwork
ENSG00000196459	TRAPPC2 PPI subnetwork
ENSG00000213764	ENSG00000213764 PPI subnetwork
MP:0003656	abnormal erythrocyte physiology
GO:0004601	peroxidase activity
GO:0016684	oxidoreductase activity, acting on peroxide as acceptor
ENSG00000139567	ACVRL1 PPI subnetwork
GO:0004954	prostanoid receptor activity
GO:0004953	icosanoid receptor activity
ENSG00000196092	PAX5 PPI subnetwork
ENSG00000113240	CLK4 PPI subnetwork
GO:0046128	purine ribonucleoside metabolic process
ENSG00000135679	MDM2 PPI subnetwork
ENSG00000185736	ADARB2 PPI subnetwork
ENSG00000170348	TMED10 PPI subnetwork
MP:0001505	hunched posture
MP:0000222	decreased neutrophil cell number
ENSG00000117408	IPO13 PPI subnetwork
MP:0004042	decreased susceptibility to kidney reperfusion injury
ENSG00000169439	SDC2 PPI subnetwork
GO:0046930	pore complex
ENSG00000125249	RAP2A PPI subnetwork
ENSG00000143815	LBR PPI subnetwork
REACTOME_AMYLOIDS	REACTOME_AMYLOIDS
ENSG00000130939	UBE4B PPI subnetwork
GO:0043534	blood vessel endothelial cell migration

MP:0003205	testicular atrophy
ENSG00000188064	WNT7B PPI subnetwork
ENSG00000126768	TIMM17B PPI subnetwork
REACTOME_BASIGIN_INTERACTIONS	REACTOME_BASIGIN_INTERACTIONS
GO:0006096	glycolysis
ENSG00000049323	LTBP1 PPI subnetwork
REACTOME_PI3K_EVENTS_IN_ERBB2_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB2_SIGNALING
GO:0006650	glycerophospholipid metabolic process
REACTOME_NOTCH:HLH_TRANSCRIPTION_	REACTOME_NOTCH:HLH_TRANSCRIPTION_PATHWAY
REACTOME_NICD_TRAFFICS_TO_NUCLEUS	REACTOME_NICD_TRAFFICS_TO_NUCLEUS
REACTOME_REGULATION_OF_KIT_SIGNALI	REACTOME_REGULATION_OF_KIT_SIGNALING
GO:0019400	alditol metabolic process
ENSG00000197043	ANXA6 PPI subnetwork
ENSG00000169062	UPF3A PPI subnetwork
ENSG00000009790	TRAF3IP3 PPI subnetwork
ENSG00000076641	PAG1 PPI subnetwork
MP:0006092	abnormal olfactory neuron morphology
ENSG00000128513	POT1 PPI subnetwork
ENSG00000161057	PSMC2 PPI subnetwork
REACTOME_TERMINATION_OF_O:GLYCAN_	REACTOME_TERMINATION_OF_O:GLYCAN_BIOSYNTHESIS
MP:0008078	increased CD8-positive T cell number
GO:0003713	transcription coactivator activity
ENSG00000118965	WDR35 PPI subnetwork
GO:0022804	active transmembrane transporter activity
GO:0030336	negative regulation of cell migration
ENSG00000155329	ZCCHC10 PPI subnetwork
ENSG00000158623	COPG2 PPI subnetwork
ENSG00000214133	ENSG00000214133 PPI subnetwork
ENSG00000148143	ZNF462 PPI subnetwork
ENSG00000100599	RIN3 PPI subnetwork
ENSG00000099882	ENSG00000099882 PPI subnetwork
MP:0011085	complete postnatal lethality
GO:0042310	vasoconstriction
ENSG00000128052	KDR PPI subnetwork
MP:0011104	partial embryonic lethality before implantation
ENSG00000113558	SKP1 PPI subnetwork
ENSG00000166337	TAF10 PPI subnetwork
MP:0005221	abnormal rostral-caudal axis patterning
MP:0001326	retinal degeneration
ENSG00000142867	BCL10 PPI subnetwork
MP:0000837	abnormal hypothalamus morphology
ENSG00000100181	ENSG00000100181 PPI subnetwork
ENSG00000164399	IL3 PPI subnetwork
MP:0001402	hypoactivity
GO:0046365	monosaccharide catabolic process
ENSG00000067177	PHKA1 PPI subnetwork
ENSG00000162702	ZNF281 PPI subnetwork
GO:0051287	NAD binding
GO:0006959	humoral immune response
GO:0046328	regulation of JNK cascade

ENSG00000091140	DLD PPI subnetwork
GO:0016064	immunoglobulin mediated immune response
ENSG00000102226	USP11 PPI subnetwork
ENSG00000124422	USP22 PPI subnetwork
ENSG00000133243	BTBD2 PPI subnetwork
ENSG00000169813	HNRNPF PPI subnetwork
ENSG00000159459	UBR1 PPI subnetwork
REACTOME_MITOCHONDRIAL_FATTY_ACID	REACTOME_MITOCHONDRIAL_FATTY_ACID_BETA:OXIDATION
MP:0003924	herniated diaphragm
MP:0008567	decreased interferon-gamma secretion
GO:0050865	regulation of cell activation
MP:0000928	incomplete cephalic closure
ENSG00000175324	LSM1 PPI subnetwork
ENSG00000147140	NONO PPI subnetwork
GO:0016866	intramolecular transferase activity
GO:0043236	laminin binding
ENSG00000129152	MYOD1 PPI subnetwork
ENSG00000182511	FES PPI subnetwork
ENSG00000124782	RREB1 PPI subnetwork
GO:0035591	signaling adaptor activity
ENSG00000020577	SAMD4A PPI subnetwork
MP:0002754	dilated heart right ventricle
ENSG00000150630	VEGFC PPI subnetwork
MP:0004076	abnormal vitelline vascular remodeling
ENSG00000102804	TSC22D1 PPI subnetwork
ENSG00000171403	KRT9 PPI subnetwork
GO:0007565	female pregnancy
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HE	KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLO
ENSG00000198356	ASNA1 PPI subnetwork
MP:0002940	variable body spotting
MP:0001606	impaired hematopoiesis
MP:0005344	increased circulating bilirubin level
GO:0006071	glycerol metabolic process
MP:0002444	abnormal T cell physiology
ENSG00000147082	CCNB3 PPI subnetwork
ENSG00000103479	RBL2 PPI subnetwork
MP:0010249	lactation failure
GO:0006107	oxaloacetate metabolic process
ENSG00000105404	RABAC1 PPI subnetwork
MP:0003402	decreased liver weight
MP:0000875	abnormal cerebellar Purkinje cell layer
GO:0051119	sugar transmembrane transporter activity
ENSG00000104915	STX10 PPI subnetwork
GO:0002460	adaptive immune response based on somatic recombination c
ENSG00000111642	CHD4 PPI subnetwork
ENSG00000204175	GPRIN2 PPI subnetwork
ENSG00000009335	UBE3C PPI subnetwork
ENSG00000139239	ENSG00000139239 PPI subnetwork
GO:0004693	cyclin-dependent protein kinase activity
MP:0008438	abnormal cutaneous collagen fibril morphology

ENSG00000105851	PIK3CG PPI subnetwork
ENSG00000157514	TSC22D3 PPI subnetwork
ENSG00000108953	YWHAE PPI subnetwork
MP:0003934	abnormal pancreas development
ENSG00000122180	MYOG PPI subnetwork
ENSG00000204390	HSPA1L PPI subnetwork
ENSG00000111348	ARHGDIB PPI subnetwork
MP:0005165	increased susceptibility to injury
GO:0006958	complement activation, classical pathway
ENSG00000184787	UBE2G2 PPI subnetwork
MP:0011260	abnormal head mesenchyme morphology
GO:0033280	response to vitamin D
GO:0050866	negative regulation of cell activation
ENSG00000103152	MPG PPI subnetwork
ENSG00000184363	PKP3 PPI subnetwork
MP:0001120	abnormal uterus morphology
MP:0004016	decreased bone mass
REACTOME_SYNTHESIS_OF_SUBSTRATES_I	REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N:GLYCAN_BIOS
ENSG00000147010	SH3KBP1 PPI subnetwork
MP:0003068	enlarged kidney
ENSG00000179950	PUF60 PPI subnetwork
ENSG00000129255	MPDU1 PPI subnetwork
GO:0035384	thioester biosynthetic process
GO:0071616	acyl-CoA biosynthetic process
MP:0008565	decreased interferon-beta secretion
ENSG00000102054	RBBP7 PPI subnetwork
MP:0004762	increased anti-double stranded DNA antibody level
ENSG00000141378	PTRH2 PPI subnetwork
MP:0001272	increased metastatic potential
MP:0000163	abnormal cartilage morphology
GO:0019751	polyol metabolic process
GO:0016045	detection of bacterium
GO:0006916	anti-apoptosis
MP:0002836	abnormal chorion morphology
GO:0042312	regulation of vasodilation
MP:0010724	thick interventricular septum
ENSG00000170312	CDK1 PPI subnetwork
KEGG_NICOTINATE_AND_NICOTINAMIDE_I	KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM
ENSG00000105855	ITGB8 PPI subnetwork
ENSG00000129315	CCNT1 PPI subnetwork
GO:0019724	B cell mediated immunity
ENSG00000165059	PRKACG PPI subnetwork
ENSG00000127947	PTPN12 PPI subnetwork
ENSG00000177963	RIC8A PPI subnetwork
GO:0030195	negative regulation of blood coagulation
MP:0000443	abnormal snout morphology
MP:0001684	abnormal axial mesoderm
ENSG00000100324	TAB1 PPI subnetwork
GO:0043178	alcohol binding
ENSG00000206357	RDBP PPI subnetwork

ENSG00000206268	RDBP PPI subnetwork
ENSG00000204356	RDBP PPI subnetwork
MP:0008209	decreased pre-B cell number
MP:0004007	abnormal lung vasculature morphology
REACTOME_ENDOGENOUS_STEROLS	REACTOME_ENDOGENOUS_STEROLS
MP:0011186	abnormal visceral endoderm morphology
MP:0005016	decreased lymphocyte cell number
ENSG00000129514	FOXA1 PPI subnetwork
GO:0014909	smooth muscle cell migration
GO:0042588	zymogen granule
GO:0045638	negative regulation of myeloid cell differentiation
ENSG00000064012	CASP8 PPI subnetwork
ENSG00000102225	CDK16 PPI subnetwork
GO:0070613	regulation of protein processing
GO:0004115	3',5'-cyclic-AMP phosphodiesterase activity
ENSG00000103994	ZFP106 PPI subnetwork
MP:0002764	short tibia
GO:0031902	late endosome membrane
MP:0005597	decreased susceptibility to type I hypersensitivity reaction
GO:0015849	organic acid transport
MP:0005011	increased eosinophil cell number
MP:0002774	small prostate gland
GO:0046527	glucosyltransferase activity
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION
GO:0015926	glucosidase activity
MP:0009009	absent estrous cycle
KEGG_INTESTINAL_IMMUNE_NETWORK_FC	KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTI
ENSG00000140396	NCOA2 PPI subnetwork
GO:0016645	oxidoreductase activity, acting on the CH-NH group of donors
REACTOME_CLASS_A1_RHODOPSIN:LIKE_R	REACTOME_CLASS_A1_RHODOPSIN:LIKE_RECEPTORS
MP:0011228	abnormal vitamin D level
MP:0001954	respiratory distress
ENSG00000101856	PGRMC1 PPI subnetwork
GO:0048520	positive regulation of behavior
ENSG00000130024	PHF10 PPI subnetwork
MP:0003920	abnormal heart right ventricle morphology
GO:0015145	monosaccharide transmembrane transporter activity
ENSG00000184083	FAM120C PPI subnetwork
GO:0040013	negative regulation of locomotion
ENSG00000126456	IRF3 PPI subnetwork
ENSG00000107807	TLX1 PPI subnetwork
GO:0051271	negative regulation of cellular component movement
MP:0003447	decreased tumor growth/size
ENSG00000103507	BCKDK PPI subnetwork
ENSG00000154096	THY1 PPI subnetwork
ENSG00000171566	PLRG1 PPI subnetwork
GO:0004714	transmembrane receptor protein tyrosine kinase activity
ENSG00000160213	CSTB PPI subnetwork
ENSG00000198087	CD2AP PPI subnetwork
ENSG00000108468	CBX1 PPI subnetwork

ENSG00000164404	GDF9 PPI subnetwork
GO:2000146	negative regulation of cell motility
GO:0000287	magnesium ion binding
ENSG00000011405	PIK3C2A PPI subnetwork
MP:0004819	decreased skeletal muscle mass
ENSG00000170962	PDGFD PPI subnetwork
ENSG00000145431	PDGFC PPI subnetwork
MP:0004796	increased anti-histone antibody level
GO:0022829	wide pore channel activity
ENSG00000149091	DGKZ PPI subnetwork
ENSG00000108651	UTP6 PPI subnetwork
ENSG00000205250	E2F4 PPI subnetwork
ENSG00000184216	IRAK1 PPI subnetwork
ENSG00000042429	MED17 PPI subnetwork
ENSG00000090863	GLG1 PPI subnetwork
ENSG00000163083	INHBB PPI subnetwork
GO:0015924	mannosyl-oligosaccharide mannosidase activity
MP:0003954	abnormal Reichert's membrane morphology
ENSG00000103126	AXIN1 PPI subnetwork
ENSG00000081189	MEF2C PPI subnetwork
GO:0031012	extracellular matrix
ENSG00000142156	COL6A1 PPI subnetwork
ENSG00000206505	HLA-A PPI subnetwork
ENSG00000135862	LAMC1 PPI subnetwork
GO:0051129	negative regulation of cellular component organization
ENSG00000104142	VPS18 PPI subnetwork
ENSG00000164985	PSIP1 PPI subnetwork
MP:0000716	abnormal immune system cell morphology
GO:0006084	acetyl-CoA metabolic process
ENSG00000156508	EEF1A1 PPI subnetwork
MP:0000685	abnormal immune system morphology
GO:0008206	bile acid metabolic process
ENSG00000169032	MAP2K1 PPI subnetwork
ENSG00000119699	TGFB3 PPI subnetwork
ENSG00000109971	HSPA8 PPI subnetwork
ENSG00000125731	SH2D3A PPI subnetwork
GO:2000116	regulation of cysteine-type endopeptidase activity
GO:0050654	chondroitin sulfate proteoglycan metabolic process
ENSG00000119866	BCL11A PPI subnetwork
MP:0005140	decreased cardiac muscle contractility
MP:0006059	decreased susceptibility to ischemic brain injury
MP:0003884	decreased macrophage cell number
ENSG00000014138	POLA2 PPI subnetwork
ENSG00000089693	MLF2 PPI subnetwork
MP:0005036	diarrhea
GO:0048011	nerve growth factor receptor signaling pathway
ENSG00000112818	MEP1A PPI subnetwork
GO:0050840	extracellular matrix binding
GO:0032755	positive regulation of interleukin-6 production
GO:0006576	cellular biogenic amine metabolic process

ENSG00000080345	RIF1 PPI subnetwork
GO:0002544	chronic inflammatory response
GO:0002521	leukocyte differentiation
KEGG_PROXIMAL_TUBULE_BICARBONATE_	KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION
ENSG00000131828	PDHA1 PPI subnetwork
ENSG00000101224	CDC25B PPI subnetwork
ENSG00000182319	SGK223 PPI subnetwork
GO:0051428	peptide hormone receptor binding
MP:0004014	abnormal uterine environment
KEGG_CITRATE_CYCLE_TCA_CYCLE	KEGG_CITRATE_CYCLE_TCA_CYCLE
MP:0000433	microcephaly
ENSG00000110651	CD81 PPI subnetwork
GO:0000982	RNA polymerase II core promoter proximal region sequence-s
GO:0090278	negative regulation of peptide hormone secretion
ENSG00000131791	PRKAB2 PPI subnetwork
ENSG00000011260	UTP18 PPI subnetwork
MP:0005342	abnormal intestinal lipid absorption
ENSG00000104897	SF3A2 PPI subnetwork
ENSG00000131459	GFPT2 PPI subnetwork
ENSG00000164889	SLC4A2 PPI subnetwork
GO:0015936	coenzyme A metabolic process
GO:0005769	early endosome
ENSG00000144028	SNRNP200 PPI subnetwork
GO:0015026	coreceptor activity
MP:0002452	abnormal antigen presenting cell physiology
ENSG00000173894	CBX2 PPI subnetwork
ENSG00000143514	TP53BP2 PPI subnetwork
ENSG00000077235	GTF3C1 PPI subnetwork
MP:0011320	abnormal glomerular capillary morphology
MP:0003720	abnormal neural tube closure
ENSG00000143947	RPS27A PPI subnetwork
ENSG00000136731	UGGT1 PPI subnetwork
ENSG00000154162	CDH12 PPI subnetwork
ENSG00000164442	CITED2 PPI subnetwork
ENSG00000012124	CD22 PPI subnetwork
ENSG00000163510	CWC22 PPI subnetwork
ENSG00000069248	NUP133 PPI subnetwork
GO:0002718	regulation of cytokine production involved in immune respons
ENSG00000096063	SRPK1 PPI subnetwork
GO:0021700	developmental maturation
ENSG00000170017	ALCAM PPI subnetwork
GO:0009267	cellular response to starvation
GO:0031625	ubiquitin protein ligase binding
MP:0008146	asymmetric rib-sternum attachment
ENSG00000173801	JUP PPI subnetwork
MP:0003809	abnormal hair shaft morphology
GO:0050777	negative regulation of immune response
ENSG00000143373	ZNF687 PPI subnetwork
MP:0002928	abnormal bile duct morphology
GO:0018105	peptidyl-serine phosphorylation

ENSG00000168291	PDHB PPI subnetwork
GO:0071941	nitrogen cycle metabolic process
ENSG00000105141	CASP14 PPI subnetwork
MP:0000628	abnormal mammary gland development
MP:0008181	increased marginal zone B cell number
MP:0000141	abnormal vertebral body morphology
MP:0001905	abnormal dopamine level
GO:0010594	regulation of endothelial cell migration
ENSG00000186298	PPP1CC PPI subnetwork
GO:0046658	anchored to plasma membrane
ENSG00000177105	RHOG PPI subnetwork
ENSG00000137285	TUBB2B PPI subnetwork
GO:0010907	positive regulation of glucose metabolic process
ENSG00000074800	ENO1 PPI subnetwork
MP:0005172	reduced eye pigmentation
MP:0000230	abnormal systemic arterial blood pressure
ENSG00000187325	TAF9B PPI subnetwork
ENSG00000215760	ENSG00000215760 PPI subnetwork
MP:0003871	abnormal myelin sheath morphology
MP:0004875	increased mean systemic arterial blood pressure
ENSG00000188986	COBRA1 PPI subnetwork
ENSG00000146587	RBAK PPI subnetwork
ENSG00000127564	PKMYT1 PPI subnetwork
GO:0048661	positive regulation of smooth muscle cell proliferation
GO:0005721	centromeric heterochromatin
GO:0032354	response to follicle-stimulating hormone stimulus
ENSG00000196084	ENSG00000196084 PPI subnetwork
ENSG00000104221	BRF2 PPI subnetwork
MP:0002619	abnormal lymphocyte morphology
MP:0000260	abnormal angiogenesis
GO:0031400	negative regulation of protein modification process
ENSG00000130803	ZNF317 PPI subnetwork
ENSG00000164924	YWHAZ PPI subnetwork
MP:0001751	increased circulating luteinizing hormone level
GO:0055072	iron ion homeostasis
ENSG00000082898	XPO1 PPI subnetwork
MP:0002230	abnormal primitive streak formation
GO:0030072	peptide hormone secretion
MP:0008584	photoreceptor outer segment degeneration
MP:0005326	abnormal podocyte morphology
REACTOME_REGULATION_OF_GLUCOKINAS	REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINA
ENSG00000137947	GTF2B PPI subnetwork
ENSG00000172602	RND1 PPI subnetwork
GO:0045177	apical part of cell
GO:0019207	kinase regulator activity
MP:0010067	increased red blood cell distribution width
ENSG00000178184	PARD6G PPI subnetwork
MP:0006144	increased systemic arterial systolic blood pressure
ENSG00000048052	HDAC9 PPI subnetwork
ENSG00000131238	PPT1 PPI subnetwork

ENSG00000178409	BEND3 PPI subnetwork
MP:0000460	mandible hypoplasia
ENSG00000105618	PRPF31 PPI subnetwork
ENSG00000173120	KDM2A PPI subnetwork
GO:0042542	response to hydrogen peroxide
ENSG00000101343	CRNKL1 PPI subnetwork
MP:0010769	abnormal survival
ENSG00000136111	TBC1D4 PPI subnetwork
ENSG00000143622	RIT1 PPI subnetwork
ENSG00000138771	SHROOM3 PPI subnetwork
ENSG00000104980	TIMM44 PPI subnetwork
REACTOME_TRANS:GOLGI_NETWORK_VESI	REACTOME_TRANS:GOLGI_NETWORK_VESICLE_BUDDING
REACTOME_CLATHRIN_DERIVED_VESICLE_I	REACTOME_CLATHRIN_DERIVED_VESICLE_BUDDING
MP:0008807	increased liver iron level
ENSG00000006468	ETV1 PPI subnetwork
GO:0005924	cell-substrate adherens junction
ENSG00000131746	TNS4 PPI subnetwork
KEGG_CHRONIC_MYELOID_LEUKEMIA	KEGG_CHRONIC_MYELOID_LEUKEMIA
MP:0005410	abnormal fertilization
ENSG00000111481	COPZ1 PPI subnetwork
ENSG00000132432	SEC61G PPI subnetwork
ENSG00000186852	ENSG00000186852 PPI subnetwork
GO:0001934	positive regulation of protein phosphorylation
GO:0002253	activation of immune response
ENSG00000076555	ACACB PPI subnetwork
GO:0004675	transmembrane receptor protein serine/threonine kinase acti
ENSG00000143079	CTTNBP2NL PPI subnetwork
ENSG00000005022	SLC25A5 PPI subnetwork
GO:0003158	endothelium development
ENSG00000089597	GANAB PPI subnetwork
ENSG00000115170	ACVR1 PPI subnetwork
ENSG00000077549	CAPZB PPI subnetwork
MP:0008126	increased dendritic cell number
MP:0005167	abnormal blood-brain barrier function
KEGG_SMALL_CELL_LUNG_CANCER	KEGG_SMALL_CELL_LUNG_CANCER
GO:0008757	S-adenosylmethionine-dependent methyltransferase activity
GO:0051591	response to cAMP
KEGG_DRUG_METABOLISM_OTHER_ENZYM	KEGG_DRUG_METABOLISM_OTHER_ENZYMES
ENSG00000130702	LAMA5 PPI subnetwork
KEGG_THYROID_CANCER	KEGG_THYROID_CANCER
MP:0002060	abnormal skin morphology
MP:0002957	intestinal adenocarcinoma
MP:0008024	absent lymph nodes
ENSG00000113360	DROSHA PPI subnetwork
GO:0007254	JNK cascade
GO:0009595	detection of biotic stimulus
GO:0007249	I-kappaB kinase/NF-kappaB cascade
ENSG00000163283	ALPP PPI subnetwork
REACTOME_INTERFERON_GAMMA_SIGNAL	REACTOME_INTERFERON_GAMMA_SIGNALING
ENSG00000153113	CAST PPI subnetwork

GO:0006085	acetyl-CoA biosynthetic process
MP:0000477	abnormal intestine morphology
ENSG00000106052	TAX1BP1 PPI subnetwork
ENSG00000115085	ZAP70 PPI subnetwork
ENSG00000012048	BRCA1 PPI subnetwork
REACTOME_TAT:MEDIATED_HIV:1_ELONG/	REACTOME_TAT:MEDIATED_HIV:1_ELONGATION_ARREST_AN
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_TAT:MEDIATED_H
ENSG00000137752	CASP1 PPI subnetwork
ENSG00000164342	TLR3 PPI subnetwork
ENSG00000117360	PRPF3 PPI subnetwork
GO:0006917	induction of apoptosis
ENSG00000160310	PRMT2 PPI subnetwork
ENSG00000135424	ITGA7 PPI subnetwork
ENSG00000115596	WNT6 PPI subnetwork
ENSG00000101444	AHCY PPI subnetwork
GO:0048471	perinuclear region of cytoplasm
ENSG00000087586	AURKA PPI subnetwork
ENSG00000102606	ARHGEF7 PPI subnetwork
ENSG00000175084	DES PPI subnetwork
ENSG00000164597	COG5 PPI subnetwork
ENSG00000169710	FASN PPI subnetwork
ENSG00000198561	CTNND1 PPI subnetwork
GO:0030204	chondroitin sulfate metabolic process
ENSG00000136937	NCBP1 PPI subnetwork
MP:0004751	increased length of allograft survival
MP:0001701	incomplete embryo turning
GO:0071901	negative regulation of protein serine/threonine kinase activity
ENSG00000147145	LPAR4 PPI subnetwork
KEGG_PROSTATE_CANCER	KEGG_PROSTATE_CANCER
GO:0045446	endothelial cell differentiation
ENSG00000175467	SART1 PPI subnetwork
ENSG00000108256	NUFIP2 PPI subnetwork
ENSG00000115866	DARS PPI subnetwork
ENSG00000161920	MED11 PPI subnetwork
ENSG00000185637	ENSG00000185637 PPI subnetwork
ENSG00000133056	PIK3C2B PPI subnetwork
ENSG00000164167	LSM6 PPI subnetwork
GO:0006725	cellular aromatic compound metabolic process
GO:0016032	viral reproduction
GO:0007260	tyrosine phosphorylation of STAT protein
MP:0006317	decreased urine sodium level
MP:0000162	lordosis
GO:0033619	membrane protein proteolysis
REACTOME_DEFENSINS	REACTOME_DEFENSINS
GO:0006887	exocytosis
MP:0001324	abnormal eye pigmentation
GO:0016278	lysine N-methyltransferase activity
GO:0016279	protein-lysine N-methyltransferase activity
MP:0008578	decreased circulating interferon-gamma level
MP:0001325	abnormal retina morphology

ENSG00000147162	OGT PPI subnetwork
ENSG00000153201	RANBP2 PPI subnetwork
ENSG00000156482	RPL30 PPI subnetwork
ENSG00000197386	HTT PPI subnetwork
GO:0008395	steroid hydroxylase activity
REACTOME_MEMBRANE_TRAFFICKING	REACTOME_MEMBRANE_TRAFFICKING
ENSG00000129083	COPB1 PPI subnetwork
ENSG00000113282	CLINT1 PPI subnetwork
ENSG00000041982	TNC PPI subnetwork
ENSG00000107566	ERLIN1 PPI subnetwork
ENSG00000068024	HDAC4 PPI subnetwork
ENSG00000110237	ARHGEF17 PPI subnetwork
ENSG00000176105	YES1 PPI subnetwork
MP:0004190	abnormal direction of embryo turning
ENSG00000186676	ENSG00000186676 PPI subnetwork
ENSG00000196220	SRGAP3 PPI subnetwork
KEGG_VASCULAR_SMOOTH_MUSCLE_CON	KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION
REACTOME_PLATELET_HOMEOSTASIS	REACTOME_PLATELET_HOMEOSTASIS
KEGG_TERPENOID_BACKBONE_BIOSYNTHE	KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS
ENSG00000189319	FAM53B PPI subnetwork
GO:0010740	positive regulation of intracellular protein kinase cascade
GO:0001948	glycoprotein binding
ENSG00000138757	G3BP2 PPI subnetwork
ENSG00000122705	CLTA PPI subnetwork
ENSG00000072134	EPN2 PPI subnetwork
MP:0006043	decreased apoptosis
GO:0070555	response to interleukin-1
MP:0003645	increased pancreatic beta cell number
ENSG00000213923	CSNK1E PPI subnetwork
MP:0002233	abnormal nose morphology
MP:0002467	impaired neutrophil phagocytosis
GO:0042306	regulation of protein import into nucleus
ENSG00000117676	RPS6KA1 PPI subnetwork
GO:0012502	induction of programmed cell death
ENSG00000074181	NOTCH3 PPI subnetwork
ENSG00000130589	RP4-697K14.7 PPI subnetwork
MP:0002884	abnormal branchial arch morphology
MP:0005153	abnormal B cell proliferation
ENSG00000115963	RND3 PPI subnetwork
ENSG00000066654	THUMPD1 PPI subnetwork
GO:0090087	regulation of peptide transport
GO:0002791	regulation of peptide secretion
GO:0008565	protein transporter activity
MP:0003043	hypoalgesia
MP:0002258	abnormal cricoid cartilage morphology
MP:0003222	increased cardiomyocyte apoptosis
ENSG00000196411	EPHB4 PPI subnetwork
ENSG00000198821	CD247 PPI subnetwork
ENSG00000136931	NR5A1 PPI subnetwork
MP:0000934	abnormal telencephalon development

GO:0045471	response to ethanol
ENSG00000156603	MED19 PPI subnetwork
GO:0002250	adaptive immune response
REACTOME_PI3K_CASCADE	REACTOME_PI3K_CASCADE
ENSG00000070759	TESK2 PPI subnetwork
ENSG00000114745	GORASP1 PPI subnetwork
ENSG00000149428	HYOU1 PPI subnetwork
MP:0001847	brain inflammation
GO:0050679	positive regulation of epithelial cell proliferation
MP:0005028	abnormal trophectoderm morphology
ENSG00000108179	PPIF PPI subnetwork
ENSG00000124181	PLCG1 PPI subnetwork
ENSG00000159692	CTBP1 PPI subnetwork
MP:0005222	abnormal somite size
ENSG00000060140	STYK1 PPI subnetwork
ENSG00000125508	SRMS PPI subnetwork
ENSG00000162407	PPAP2B PPI subnetwork
MP:0005090	increased double-negative T cell number
MP:0006074	abnormal retinal rod bipolar cell morphology
ENSG00000143867	OSR1 PPI subnetwork
ENSG00000141447	OSBPL1A PPI subnetwork
ENSG00000162302	RPS6KA4 PPI subnetwork
ENSG00000134602	ENSG00000134602 PPI subnetwork
ENSG00000128245	YWHAH PPI subnetwork
ENSG00000198033	TUBA3C PPI subnetwork
ENSG00000075886	TUBA3D PPI subnetwork
KEGG_GLUTATHIONE_METABOLISM	KEGG_GLUTATHIONE_METABOLISM
GO:0016180	snRNA processing
REACTOME_INTERLEUKIN:7_SIGNALING	REACTOME_INTERLEUKIN:7_SIGNALING
GO:0051188	cofactor biosynthetic process
GO:0055093	response to hyperoxia
ENSG00000163453	IGFBP7 PPI subnetwork
REACTOME_AMINO_ACID_AND_OLIGOPEP	REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSP(
MP:0008182	decreased marginal zone B cell number
GO:0060429	epithelium development
KEGG_METABOLISM_OF_XENOBIOTICS_BY_	KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P4
MP:0006262	testis tumor
GO:0000792	heterochromatin
REACTOME_GOLGI_ASSOCIATED_VESICLE_I	REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS
REACTOME_REGULATION_OF_IFNA_SIGNA	REACTOME_REGULATION_OF_IFNA_SIGNALING
GO:0031123	RNA 3'-end processing
MP:0005181	decreased circulating estradiol level
MP:0004970	kidney atrophy
ENSG00000117410	ATP6V0B PPI subnetwork
ENSG00000166313	APBB1 PPI subnetwork
ENSG00000099956	SMARCB1 PPI subnetwork
ENSG00000165030	NFIL3 PPI subnetwork
ENSG00000171241	SHCBP1 PPI subnetwork
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRON:CC
REACTOME_MRNA_3:END_PROCESSING	REACTOME_MRNA_3:END_PROCESSING

ENSG00000166025	AMOTL1 PPI subnetwork
REACTOME_PI3K_EVENTS_IN_ERBB4_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB4_SIGNALING
MP:0003945	abnormal lymphocyte physiology
REACTOME_GENERIC_TRANSCRIPTION_PAT	REACTOME_GENERIC_TRANSCRIPTION_PATHWAY
ENSG00000105173	CCNE1 PPI subnetwork
ENSG00000157916	RER1 PPI subnetwork
REACTOME_RIG:IMDA5_MEDIATED_INDUC	REACTOME_RIG:IMDA5_MEDIATED_INDUCTION_OF_IFN:ALPI
ENSG00000103502	CDIPT PPI subnetwork
ENSG00000079102	RUNX1T1 PPI subnetwork
MP:0000715	decreased thymocyte number
ENSG00000072849	DERL2 PPI subnetwork
ENSG00000157020	SEC13 PPI subnetwork
ENSG00000133027	PEMT PPI subnetwork
GO:0002367	cytokine production involved in immune response
REACTOME_HIV:1_ELONGATION_ARREST_/	REACTOME_HIV:1_ELONGATION_ARREST_AND_RECOVERY
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_ELONGATION
REACTOME_ELONGATION_ARREST_AND_R	REACTOME_ELONGATION_ARREST_AND_RECOVERY
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_HIV:1_ELONGATI(
GO:0002080	acrosomal membrane
MP:0000592	short tail
ENSG00000139505	MTMR6 PPI subnetwork
GO:0005100	Rho GTPase activator activity
ENSG00000179151	EDC3 PPI subnetwork
ENSG00000174292	TNK1 PPI subnetwork
ENSG00000116285	ERRFI1 PPI subnetwork
ENSG00000005175	RPAP3 PPI subnetwork
MP:0002404	increased intestinal adenoma incidence
REACTOME_ZINC_TRANSPORTERS	REACTOME_ZINC_TRANSPORTERS
GO:0005024	transforming growth factor beta-activated receptor activity
MP:0001129	impaired ovarian folliculogenesis
ENSG00000100902	PSMA6 PPI subnetwork
GO:0001659	temperature homeostasis
ENSG00000131381	ZFYVE20 PPI subnetwork
GO:0001893	maternal placenta development
ENSG00000196504	PRPF40A PPI subnetwork
ENSG00000129219	PLD2 PPI subnetwork
ENSG00000105371	ICAM4 PPI subnetwork
ENSG00000174437	ATP2A2 PPI subnetwork
ENSG00000047315	POLR2B PPI subnetwork
GO:0004745	retinol dehydrogenase activity
ENSG00000163806	SPDYA PPI subnetwork
ENSG00000137709	POU2F3 PPI subnetwork
ENSG00000072682	P4HA2 PPI subnetwork
ENSG00000051128	HOMER3 PPI subnetwork
MP:0002492	decreased IgE level
ENSG00000111875	ASF1A PPI subnetwork
REACTOME_DEADENYLATION:DEPENDENT_	REACTOME_DEADENYLATION:DEPENDENT_MRNA_DECAY
ENSG00000178568	ERBB4 PPI subnetwork
MP:0004024	aneuploidy
ENSG00000197971	MBP PPI subnetwork

ENSG00000054116	TRAPPC3 PPI subnetwork
ENSG00000150991	UBC PPI subnetwork
ENSG00000175334	BANF1 PPI subnetwork
ENSG00000108559	NUP88 PPI subnetwork
ENSG00000008277	ADAM22 PPI subnetwork
ENSG00000138442	WDR12 PPI subnetwork
GO:0090066	regulation of anatomical structure size
GO:0015980	energy derivation by oxidation of organic compounds
MP:0000470	abnormal stomach morphology
GO:0016860	intramolecular oxidoreductase activity
ENSG00000136573	BLK PPI subnetwork
ENSG00000135775	COG2 PPI subnetwork
ENSG00000171497	PPID PPI subnetwork
ENSG00000188170	ENSG00000188170 PPI subnetwork
MP:0005630	increased lung weight
ENSG00000067842	ATP2B3 PPI subnetwork
ENSG00000183856	IQGAP3 PPI subnetwork
ENSG00000119772	DNMT3A PPI subnetwork
MP:0001106	abnormal Schwann cell morphology
ENSG00000165630	PRPF18 PPI subnetwork
GO:0046474	glycerophospholipid biosynthetic process
MP:0008079	decreased CD8-positive T cell number
MP:0011106	partial embryonic lethality before somite formation
GO:0048306	calcium-dependent protein binding
MP:0005093	decreased B cell proliferation
MP:0001243	abnormal dermal layer morphology
ENSG00000143850	PLEKHA6 PPI subnetwork
ENSG00000102387	TAF7L PPI subnetwork
ENSG00000182809	CRIP2 PPI subnetwork
ENSG00000213585	VDAC1 PPI subnetwork
ENSG00000168036	CTNNB1 PPI subnetwork
ENSG00000164758	MED30 PPI subnetwork
ENSG00000096696	DSP PPI subnetwork
ENSG00000145794	MEGF10 PPI subnetwork
MP:0001353	increased aggression towards mice
GO:0032637	interleukin-8 production
MP:0001211	wrinkled skin
ENSG00000141232	TOB1 PPI subnetwork
ENSG00000147202	DIAPH2 PPI subnetwork
KEGG_MTOR_SIGNALING_PATHWAY	KEGG_MTOR_SIGNALING_PATHWAY
GO:0045429	positive regulation of nitric oxide biosynthetic process
GO:0009119	ribonucleoside metabolic process
ENSG00000139436	GIT2 PPI subnetwork
ENSG00000085511	MAP3K4 PPI subnetwork
MP:0003690	abnormal glial cell physiology
GO:0090276	regulation of peptide hormone secretion
GO:0006909	phagocytosis
ENSG00000150455	TIRAP PPI subnetwork
REACTOME_SEMA4D_IN_SEMAPHORIN_SIC	REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING
GO:0015682	ferric iron transport

GO:0033572	transferrin transport
MP:0004566	myocardial fiber degeneration
ENSG00000144021	CIAO1 PPI subnetwork
MP:0002082	postnatal lethality
GO:0019865	immunoglobulin binding
ENSG00000198478	SH3BGRL2 PPI subnetwork
ENSG00000100364	KIAA0930 PPI subnetwork
ENSG00000077380	DYNC1I2 PPI subnetwork
ENSG00000054267	ARID4B PPI subnetwork
ENSG00000143727	ACP1 PPI subnetwork
ENSG00000023318	ERP44 PPI subnetwork
ENSG00000166930	MS4A5 PPI subnetwork
GO:0046006	regulation of activated T cell proliferation
KEGG_RENIN_ANGIOTENSIN_SYSTEM	KEGG_RENIN_ANGIOTENSIN_SYSTEM
ENSG00000115694	STK25 PPI subnetwork
GO:0042035	regulation of cytokine biosynthetic process
GO:0022604	regulation of cell morphogenesis
ENSG00000011465	DCN PPI subnetwork
GO:0050778	positive regulation of immune response
ENSG00000206466	GABBR1 PPI subnetwork
ENSG00000204681	GABBR1 PPI subnetwork
ENSG00000206511	GABBR1 PPI subnetwork
ENSG00000169067	ACTBL2 PPI subnetwork
ENSG00000156049	GNA14 PPI subnetwork
MP:0006138	congestive heart failure
ENSG00000166716	ZNF592 PPI subnetwork
ENSG00000116473	RAP1A PPI subnetwork
MP:0002020	increased tumor incidence
ENSG00000166710	B2M PPI subnetwork
ENSG00000160007	ARHGAP35 PPI subnetwork
GO:0005070	SH3/SH2 adaptor activity
ENSG00000078304	PPP2R5C PPI subnetwork
ENSG00000134759	ELP2 PPI subnetwork
GO:0045646	regulation of erythrocyte differentiation
GO:0016229	steroid dehydrogenase activity
ENSG00000174233	ADCY6 PPI subnetwork
GO:0048589	developmental growth
ENSG00000151748	SAV1 PPI subnetwork
GO:0009251	glucan catabolic process
GO:0044247	cellular polysaccharide catabolic process
GO:0005980	glycogen catabolic process
ENSG00000136270	TBRG4 PPI subnetwork
GO:0051091	positive regulation of sequence-specific DNA binding transcrip
MP:0001675	abnormal ectoderm development
ENSG00000183117	CSMD1 PPI subnetwork
GO:0008063	Toll signaling pathway
MP:0004398	cochlear inner hair cell degeneration
ENSG00000094880	CDC23 PPI subnetwork
ENSG00000101161	PRPF6 PPI subnetwork
GO:0005275	amine transmembrane transporter activity

ENSG00000111424	VDR PPI subnetwork
ENSG00000186416	NKRF PPI subnetwork
ENSG00000138018	EPT1 PPI subnetwork
ENSG00000134853	PDGFRA PPI subnetwork
ENSG00000065150	IPO5 PPI subnetwork
ENSG00000092108	SCFD1 PPI subnetwork
MP:0008210	increased mature B cell number
ENSG00000144642	RBMS3 PPI subnetwork
GO:0018024	histone-lysine N-methyltransferase activity
MP:0008190	decreased transitional stage B cell number
MP:0000849	abnormal cerebellum morphology
ENSG00000151532	VTI1A PPI subnetwork
ENSG00000139182	CLSTN3 PPI subnetwork
MP:0000043	organ of Corti degeneration
GO:0030551	cyclic nucleotide binding
ENSG00000149269	PAK1 PPI subnetwork
MP:0000274	enlarged heart
MP:0001046	abnormal enteric neuron morphology
GO:0010741	negative regulation of intracellular protein kinase cascade
MP:0002722	abnormal immune system organ morphology
ENSG00000113575	PPP2CA PPI subnetwork
ENSG00000101213	PTK6 PPI subnetwork
ENSG00000206233	ENSG00000206233 PPI subnetwork
ENSG00000168394	TAP1 PPI subnetwork
ENSG00000206297	TAP1 PPI subnetwork
ENSG00000212981	ENSG00000212981 PPI subnetwork
ENSG00000131023	LATS1 PPI subnetwork
ENSG00000188130	MAPK12 PPI subnetwork
MP:0002682	decreased mature ovarian follicle number
ENSG00000100644	HIF1A PPI subnetwork
MP:0000559	abnormal femur morphology
ENSG00000112081	SRSF3 PPI subnetwork
REACTOME_FRS2:MEDIATED_ACTIVATION	REACTOME_FRS2:MEDIATED_ACTIVATION
ENSG00000174775	HRAS PPI subnetwork
ENSG00000147955	SIGMAR1 PPI subnetwork
ENSG00000072135	PTPN18 PPI subnetwork
REACTOME_FRS2:MEDIATED_CASCADE	REACTOME_FRS2:MEDIATED_CASCADE
ENSG00000136574	GATA4 PPI subnetwork
ENSG00000138802	SEC24B PPI subnetwork
ENSG00000044115	CTNNA1 PPI subnetwork
REACTOME_L1CAM_INTERACTIONS	REACTOME_L1CAM_INTERACTIONS
REACTOME_CALCITONIN:LIKE_LIGAND_REC	REACTOME_CALCITONIN:LIKE_LIGAND_RECEPTORS
ENSG00000135333	EPHA7 PPI subnetwork
ENSG00000136383	ALPK3 PPI subnetwork
ENSG00000020426	MNAT1 PPI subnetwork
ENSG00000142657	PGD PPI subnetwork
GO:0016763	transferase activity, transferring pentosyl groups
ENSG00000163636	PSMD6 PPI subnetwork
ENSG00000213672	NCKIPSD PPI subnetwork
ENSG00000159251	ACTC1 PPI subnetwork

ENSG00000186318	BACE1 PPI subnetwork
GO:0048305	immunoglobulin secretion
ENSG00000126458	RRAS PPI subnetwork
ENSG00000146950	SHROOM2 PPI subnetwork
MP:0006410	abnormal common myeloid progenitor cell morphology
ENSG00000037965	HOXC8 PPI subnetwork
GO:0016859	cis-trans isomerase activity
ENSG00000130669	PAK4 PPI subnetwork
ENSG00000197892	KIF13B PPI subnetwork
ENSG00000196961	AP2A1 PPI subnetwork
ENSG00000137673	MMP7 PPI subnetwork
REACTOME_CLASS_I_MHC_MEDIATED_ANT	REACTOME_CLASS_I_MHC_MEDIATED_ANTIGEN_PROCESSING
REACTOME_SIGNALLING_TO_ERKS	REACTOME_SIGNALLING_TO_ERKS
ENSG00000081052	COL4A4 PPI subnetwork
ENSG00000151090	THRB PPI subnetwork
GO:0031228	intrinsic to Golgi membrane
MP:0000848	abnormal pons morphology
ENSG00000197555	SIPA1L1 PPI subnetwork
ENSG00000173636	ENSG00000173636 PPI subnetwork
GO:0006739	NADP metabolic process
ENSG00000182533	CAV3 PPI subnetwork
GO:0016073	snRNA metabolic process
ENSG00000104835	FBXO17 PPI subnetwork
ENSG00000095585	BLNK PPI subnetwork
ENSG00000155363	MOV10 PPI subnetwork
GO:0070302	regulation of stress-activated protein kinase signaling cascade
ENSG00000104824	HNRNPL PPI subnetwork
ENSG00000108671	PSMD11 PPI subnetwork
ENSG00000023445	BIRC3 PPI subnetwork
ENSG00000165178	ENSG00000165178 PPI subnetwork
GO:0001533	cornified envelope
GO:0071371	cellular response to gonadotropin stimulus
ENSG00000008294	SPAG9 PPI subnetwork
GO:0051101	regulation of DNA binding
MP:0002490	abnormal immunoglobulin level
ENSG00000164330	EBF1 PPI subnetwork
ENSG00000128708	HAT1 PPI subnetwork
GO:0042626	ATPase activity, coupled to transmembrane movement of sub
ENSG00000183918	SH2D1A PPI subnetwork
MP:0002718	abnormal inner cell mass morphology
GO:0050796	regulation of insulin secretion
GO:0010575	positive regulation vascular endothelial growth factor product
GO:0008207	C21-steroid hormone metabolic process
GO:0002449	lymphocyte mediated immunity
REACTOME_PKB:MEDIATED_EVENTS	REACTOME_PKB:MEDIATED_EVENTS
ENSG00000162692	VCAM1 PPI subnetwork
ENSG00000135404	CD63 PPI subnetwork
MP:0002566	abnormal sexual interaction
MP:0005330	cardiomyopathy
ENSG00000096717	SIRT1 PPI subnetwork

ENSG00000177542	SLC25A22 PPI subnetwork
MP:0002196	absent corpus callosum
ENSG00000113407	TARS PPI subnetwork
ENSG00000172936	MYD88 PPI subnetwork
MP:0002929	abnormal bile duct development
ENSG00000139687	RB1 PPI subnetwork
ENSG00000176102	CSTF3 PPI subnetwork
ENSG00000144158	ENSG00000144158 PPI subnetwork
ENSG00000145386	CCNA2 PPI subnetwork
ENSG00000154342	WNT3A PPI subnetwork
ENSG00000161547	SRSF2 PPI subnetwork
ENSG00000172379	ARNT2 PPI subnetwork
KEGG_ENDOCYTOSIS	KEGG_ENDOCYTOSIS
MP:0000914	exencephaly
ENSG00000115524	SF3B1 PPI subnetwork
REACTOME_SULFUR_AMINO_ACID_METAB	REACTOME_SULFUR_AMINO_ACID_METABOLISM
GO:0043281	regulation of cysteine-type endopeptidase activity involved in
MP:0005620	abnormal muscle contractility
MP:0010018	pulmonary vascular congestion
ENSG00000108379	WNT3 PPI subnetwork
GO:0070988	demethylation
ENSG00000047249	ATP6V1H PPI subnetwork
ENSG00000196365	LONP1 PPI subnetwork
MP:0004509	abnormal pelvic girdle bone morphology
MP:0008883	abnormal enterocyte proliferation
ENSG00000003436	TFPI PPI subnetwork
ENSG00000131323	TRAF3 PPI subnetwork
ENSG00000206274	ENSG00000206274 PPI subnetwork
ENSG00000206383	HSPA1L PPI subnetwork
ENSG00000005007	UPF1 PPI subnetwork
ENSG00000164329	PAPD4 PPI subnetwork
ENSG00000106355	LSM5 PPI subnetwork
KEGG_B_CELL_RECEPTOR_SIGNALING_PATI	KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY
ENSG00000005249	PRKAR2B PPI subnetwork
ENSG00000163956	LRPAP1 PPI subnetwork
ENSG00000135930	EIF4E2 PPI subnetwork
GO:0045088	regulation of innate immune response
MP:0000750	abnormal muscle regeneration
MP:0004423	abnormal squamosal bone morphology
MP:0004989	decreased osteoblast cell number
GO:0033540	fatty acid beta-oxidation using acyl-CoA oxidase
ENSG00000152256	PDK1 PPI subnetwork
MP:0002243	abnormal vomeronasal organ morphology
GO:0001819	positive regulation of cytokine production
REACTOME_INTERLEUKIN:3_5_AND_GM:CS	REACTOME_INTERLEUKIN:3_5_AND_GM:CSF_SIGNALING
ENSG00000007174	DNAH9 PPI subnetwork
GO:0050819	negative regulation of coagulation
ENSG00000115361	ACADL PPI subnetwork
ENSG00000149084	HSD17B12 PPI subnetwork
ENSG00000102900	NUP93 PPI subnetwork

ENSG00000182979	MTA1 PPI subnetwork
ENSG00000141434	MEP1B PPI subnetwork
ENSG00000183020	AP2A2 PPI subnetwork
ENSG00000155097	ATP6V1C1 PPI subnetwork
ENSG00000103671	TRIP4 PPI subnetwork
ENSG00000148377	IDI2 PPI subnetwork
ENSG00000106245	BUD31 PPI subnetwork
KEGG_SPHINGOLIPID_METABOLISM	KEGG_SPHINGOLIPID_METABOLISM
ENSG00000034693	PEX3 PPI subnetwork
ENSG00000057608	GDI2 PPI subnetwork
ENSG00000158769	F11R PPI subnetwork
ENSG00000130147	SH3BP4 PPI subnetwork
GO:0034341	response to interferon-gamma
ENSG00000072195	SPEG PPI subnetwork
MP:0002950	abnormal neural crest cell migration
ENSG00000180855	ZNF443 PPI subnetwork
GO:0016410	N-acyltransferase activity
ENSG00000143368	SF3B4 PPI subnetwork
ENSG00000103194	USP10 PPI subnetwork
ENSG00000130165	ELOF1 PPI subnetwork
ENSG00000172137	CALB2 PPI subnetwork
GO:0014812	muscle cell migration
GO:0032592	integral to mitochondrial membrane
KEGG_PATHWAYS_IN_CANCER	KEGG_PATHWAYS_IN_CANCER
GO:0002758	innate immune response-activating signal transduction
GO:0042572	retinol metabolic process
ENSG00000206232	ENSG00000206232 PPI subnetwork
ENSG00000206296	ENSG00000206296 PPI subnetwork
ENSG00000204261	ENSG00000204261 PPI subnetwork
MP:0005407	hyperalgesia
ENSG00000136603	SKIL PPI subnetwork
GO:0050431	transforming growth factor beta binding
ENSG00000175550	DRAP1 PPI subnetwork
MP:0004837	abnormal neural fold formation
KEGG_AXON_GUIDANCE	KEGG_AXON_GUIDANCE
GO:0008023	transcription elongation factor complex
MP:0003014	abnormal kidney medulla morphology
ENSG00000111186	WNT5B PPI subnetwork
GO:0004659	prenyltransferase activity
MP:0000097	short maxilla
ENSG00000041357	PSMA4 PPI subnetwork
GO:0046496	nicotinamide nucleotide metabolic process
ENSG00000166401	SERPINB8 PPI subnetwork
ENSG00000097007	ABL1 PPI subnetwork
MP:0005322	abnormal serotonin level
MP:0009339	decreased splenocyte number
GO:0004721	phosphoprotein phosphatase activity
ENSG00000007171	NOS2 PPI subnetwork
GO:0015291	secondary active transmembrane transporter activity
MP:0000474	abnormal foregut morphology

GO:0070403	NAD+ binding
MP:0003743	abnormal facial morphology
MP:0009750	impaired behavioral response to addictive substance
ENSG00000197170	PSMD12 PPI subnetwork
MP:0001800	abnormal humoral immune response
MP:0002152	abnormal brain morphology
ENSG00000160062	ZBTB8A PPI subnetwork
ENSG00000060069	CTDP1 PPI subnetwork
MP:0006354	abnormal fourth branchial arch artery morphology
ENSG00000163191	S100A11 PPI subnetwork
ENSG00000165119	HNRNPK PPI subnetwork
REACTOME_RHO_GTPASE_CYCLE	REACTOME_RHO_GTPASE_CYCLE
REACTOME_SIGNALING_BY_RHO_GTPASES	REACTOME_SIGNALING_BY_RHO_GTPASES
MP:0000233	abnormal blood flow velocity
ENSG00000029725	RABEP1 PPI subnetwork
ENSG00000163902	RPN1 PPI subnetwork
GO:0031461	cullin-RING ubiquitin ligase complex
GO:0005921	gap junction
GO:0023061	signal release
GO:0003001	generation of a signal involved in cell-cell signaling
GO:0030055	cell-substrate junction
ENSG00000136810	TXN PPI subnetwork
ENSG00000151422	FER PPI subnetwork
ENSG00000054523	KIF1B PPI subnetwork
ENSG00000075785	RAB7A PPI subnetwork
ENSG00000184897	H1FX PPI subnetwork
MP:0004609	vertebral fusion
GO:0030126	COPI vesicle coat
ENSG00000133226	SRRM1 PPI subnetwork
ENSG00000069329	VPS35 PPI subnetwork
ENSG00000145736	GTF2H2 PPI subnetwork
GO:0005604	basement membrane
MP:0008075	decreased CD4-positive T cell number
ENSG00000104613	INTS10 PPI subnetwork
ENSG00000107242	PIP5K1B PPI subnetwork
GO:0006790	sulfur compound metabolic process
ENSG00000104064	GABPB1 PPI subnetwork
GO:0050678	regulation of epithelial cell proliferation
GO:0034698	response to gonadotropin stimulus
GO:0005680	anaphase-promoting complex
GO:0010744	positive regulation of macrophage derived foam cell differenti
MP:0003311	aminoaciduria
GO:0002443	leukocyte mediated immunity
ENSG00000183684	ALYREF PPI subnetwork
ENSG00000205937	RNPS1 PPI subnetwork
ENSG00000122884	P4HA1 PPI subnetwork
ENSG00000131876	SNRPA1 PPI subnetwork
ENSG00000090861	AARS PPI subnetwork
ENSG00000169564	PCBP1 PPI subnetwork
GO:0002221	pattern recognition receptor signaling pathway

MP:0008221	abnormal hippocampal commissure morphology
ENSG00000175634	RPS6KB2 PPI subnetwork
GO:0016712	oxidoreductase activity, acting on paired donors, with incorpo
ENSG00000086061	DNAJA1 PPI subnetwork
GO:0042278	purine nucleoside metabolic process
ENSG00000108510	MED13 PPI subnetwork
ENSG00000084754	HADHA PPI subnetwork
ENSG00000131043	C20orf4 PPI subnetwork
ENSG00000206452	HLA-C PPI subnetwork
GO:0006730	one-carbon metabolic process
ENSG00000108344	PSMD3 PPI subnetwork
ENSG00000115977	AAK1 PPI subnetwork
MP:0000432	abnormal head morphology
ENSG00000185513	L3MBTL1 PPI subnetwork
ENSG00000138750	NUP54 PPI subnetwork
MP:0003054	spina bifida
ENSG00000171148	TADA3 PPI subnetwork
GO:0004402	histone acetyltransferase activity
MP:0005348	increased T cell proliferation
KEGG_PANTOTHENATE_AND_COA_BIOSYN	KEGG_PANTOTHENATE_AND_COA_BIOSYNTHESIS
GO:0060759	regulation of response to cytokine stimulus
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
ENSG00000069345	DNAJA2 PPI subnetwork
ENSG00000167552	TUBA1A PPI subnetwork
ENSG00000065882	TBC1D1 PPI subnetwork
ENSG00000169398	PTK2 PPI subnetwork
REACTOME_COSTIMULATION_BY_THE_CD2	REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY
GO:0030134	ER to Golgi transport vesicle
ENSG00000092098	RNF31 PPI subnetwork
ENSG00000100726	TELO2 PPI subnetwork
ENSG00000128833	MYO5C PPI subnetwork
GO:0003755	peptidyl-prolyl cis-trans isomerase activity
GO:0016324	apical plasma membrane
GO:0071214	cellular response to abiotic stimulus
ENSG00000184863	RBM33 PPI subnetwork
ENSG00000068438	FTSJ1 PPI subnetwork
GO:0042104	positive regulation of activated T cell proliferation
ENSG00000123159	GIPC1 PPI subnetwork
ENSG00000160087	UBE2J2 PPI subnetwork
GO:0005614	interstitial matrix
GO:0001959	regulation of cytokine-mediated signaling pathway
ENSG00000187514	PTMA PPI subnetwork
MP:0000270	abnormal heart tube morphology
ENSG00000139352	ASCL1 PPI subnetwork
GO:0043603	cellular amide metabolic process
ENSG00000127334	DYRK2 PPI subnetwork
MP:0009504	abnormal mammary gland epithelium morphology
ENSG00000198576	ARC PPI subnetwork
ENSG00000109111	SUPT6H PPI subnetwork
GO:0006575	cellular modified amino acid metabolic process

MP:0004981	decreased neuronal precursor cell number
MP:0000692	small spleen
REACTOME_EICOSANOID_LIGAND:BINDING	REACTOME_EICOSANOID_LIGAND:BINDING_RECEPTORS
ENSG00000107882	SUFU PPI subnetwork
ENSG00000087365	SF3B2 PPI subnetwork
GO:0051056	regulation of small GTPase mediated signal transduction
GO:0030073	insulin secretion
ENSG00000110367	DDX6 PPI subnetwork
MP:0003644	thymus atrophy
REACTOME_GLYCOSPHINGOLIPID_METABC	REACTOME_GLYCOSPHINGOLIPID_METABOLISM
ENSG00000124535	WRNIP1 PPI subnetwork
GO:0045123	cellular extravasation
ENSG00000163347	CLDN1 PPI subnetwork
MP:0000703	abnormal thymus morphology
ENSG00000125651	GTF2F1 PPI subnetwork
GO:0045120	pronucleus
ENSG00000167670	CHAF1A PPI subnetwork
REACTOME_TRANSPORT_OF_INORGANIC_(	REACTOME_TRANSPORT_OF_INORGANIC_CATIONSANIONS_A
MP:0000920	abnormal myelination
MP:0002123	abnormal hematopoiesis
GO:0016903	oxidoreductase activity, acting on the aldehyde or oxo group c
GO:0034130	toll-like receptor 1 signaling pathway
GO:0051233	spindle midzone
REACTOME_INHIBITION_OF_REPLICATION_	REACTOME_INHIBITION_OF_REPLICATION_INITIATION_OF_DA
ENSG00000170558	CDH2 PPI subnetwork
ENSG00000127688	GAN PPI subnetwork
ENSG00000114739	ACVR2B PPI subnetwork
GO:0034142	toll-like receptor 4 signaling pathway
ENSG00000133313	CNDP2 PPI subnetwork
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_TERMINA
REACTOME_POST:ELONGATION_PROCESSIN	REACTOME_POST:ELONGATION_PROCESSING_OF_THE_TRAN
REACTOME_CLEAVAGE_OF_GROWING_TRA	REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_IN_THE_
ENSG00000155229	MMS19 PPI subnetwork
ENSG00000150347	ARID5B PPI subnetwork
MP:0002663	failure to form blastocele
ENSG00000147439	BIN3 PPI subnetwork
GO:0043492	ATPase activity, coupled to movement of substances
ENSG00000104852	SNRNP70 PPI subnetwork
ENSG00000211614	ENSG00000211614 PPI subnetwork
GO:0015179	L-amino acid transmembrane transporter activity
GO:0002761	regulation of myeloid leukocyte differentiation
ENSG00000073969	NSF PPI subnetwork
GO:0034599	cellular response to oxidative stress
REACTOME_HIV_INFECTION	REACTOME_HIV_INFECTION
GO:0030173	integral to Golgi membrane
ENSG00000106367	AP1S1 PPI subnetwork
ENSG00000187109	NAP1L1 PPI subnetwork
ENSG00000132109	TRIM21 PPI subnetwork
ENSG00000136938	ANP32B PPI subnetwork
ENSG00000064419	TNPO3 PPI subnetwork

REACTOME_G_ALPHA_1213_SIGNALLING_E	REACTOME_G_ALPHA_1213_SIGNALLING_EVENTS
MP:0003627	abnormal leukocyte tethering or rolling
ENSG00000158796	DEDD PPI subnetwork
ENSG00000108272	DHRS11 PPI subnetwork
GO:0008643	carbohydrate transport
ENSG00000198791	CNOT7 PPI subnetwork
GO:0016862	intramolecular oxidoreductase activity, interconverting keto- a
GO:0060333	interferon-gamma-mediated signaling pathway
ENSG00000090615	GOLGA3 PPI subnetwork
ENSG00000090060	PAPOLA PPI subnetwork
ENSG00000205220	PSMB10 PPI subnetwork
MP:0004771	increased anti-single stranded DNA antibody level
ENSG00000153914	SREK1 PPI subnetwork
ENSG00000105671	DDX49 PPI subnetwork
ENSG00000105699	LSR PPI subnetwork
MP:0001065	abnormal trigeminal nerve morphology
GO:0090311	regulation of protein deacetylation
ENSG00000070882	OSBPL3 PPI subnetwork
ENSG00000124641	MED20 PPI subnetwork
MP:0002831	absent Peyer's patches
ENSG00000008710	PKD1 PPI subnetwork
GO:0016591	DNA-directed RNA polymerase II, holoenzyme
MP:0000248	macrocytosis
MP:0011094	complete embryonic lethality before implantation
ENSG00000196415	PRTN3 PPI subnetwork
MP:0006380	abnormal spermatid morphology
ENSG00000141384	TAF4B PPI subnetwork
ENSG00000132382	MYBBP1A PPI subnetwork
ENSG00000139372	TDG PPI subnetwork
GO:0015101	organic cation transmembrane transporter activity
GO:0005385	zinc ion transmembrane transporter activity
ENSG00000160917	CPSF4 PPI subnetwork
MP:0008071	absent B cells
ENSG00000144218	AFF3 PPI subnetwork
ENSG00000151498	ACAD8 PPI subnetwork
ENSG00000101654	RNMT PPI subnetwork
MP:0005202	lethargy
MP:0005108	abnormal ulna morphology
REACTOME_HIV_LIFE_CYCLE	REACTOME_HIV_LIFE_CYCLE
ENSG00000157764	BRAF PPI subnetwork
ENSG00000121989	ACVR2A PPI subnetwork
ENSG00000164403	SHROOM1 PPI subnetwork
ENSG00000125166	GOT2 PPI subnetwork
ENSG00000093000	NUP50 PPI subnetwork
MP:0000030	abnormal tympanic ring morphology
GO:0000288	nuclear-transcribed mRNA catabolic process, deadenylation-d
ENSG00000113758	DBN1 PPI subnetwork
GO:0000122	negative regulation of transcription from RNA polymerase II pı
GO:0019829	cation-transporting ATPase activity
REACTOME_LATE_PHASE_OF_HIV_LIFE_CY(	REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE

ENSG00000058262	SEC61A1 PPI subnetwork
ENSG00000136146	MED4 PPI subnetwork
GO:0016500	protein-hormone receptor activity
ENSG00000163346	PBXIP1 PPI subnetwork
GO:0016197	endosomal transport
ENSG00000100906	NFKBIA PPI subnetwork
ENSG00000169217	CD2BP2 PPI subnetwork
MP:0001516	abnormal motor coordination/ balance
ENSG00000168476	REEP4 PPI subnetwork
MP:0000711	thymus cortex hypoplasia
ENSG00000135547	HEY2 PPI subnetwork
REACTOME_GLUCAGON_SIGNALING_IN_M	REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULA
GO:0050798	activated T cell proliferation
GO:0002224	toll-like receptor signaling pathway
ENSG00000145817	YIPF5 PPI subnetwork
GO:0008146	sulfotransferase activity
MP:0001575	cyanosis
ENSG00000137807	KIF23 PPI subnetwork
GO:0005326	neurotransmitter transporter activity
ENSG00000103089	FA2H PPI subnetwork
MP:0000373	belly spot
GO:0002440	production of molecular mediator of immune response
MP:0002938	white spotting
ENSG00000166582	CENPV PPI subnetwork
ENSG00000013275	PSMC4 PPI subnetwork
ENSG00000143878	RHOB PPI subnetwork
GO:0030547	receptor inhibitor activity
GO:0048019	receptor antagonist activity
ENSG00000034713	GABARAPL2 PPI subnetwork
GO:0043123	positive regulation of I-kappaB kinase/NF-kappaB cascade
GO:0000289	nuclear-transcribed mRNA poly(A) tail shortening
ENSG00000197961	ZNF121 PPI subnetwork
REACTOME_TRANSCRIPTION	REACTOME_TRANSCRIPTION
GO:0015108	chloride transmembrane transporter activity
ENSG00000070423	RNF126 PPI subnetwork
GO:0090101	negative regulation of transmembrane receptor protein serine
GO:0001637	G-protein coupled chemoattractant receptor activity
GO:0004950	chemokine receptor activity
ENSG00000100813	ACIN1 PPI subnetwork
ENSG00000143153	ATP1B1 PPI subnetwork
MP:0009434	paraparesis
GO:0005057	receptor signaling protein activity
ENSG00000065978	YBX1 PPI subnetwork
GO:0043407	negative regulation of MAP kinase activity
ENSG00000140829	DHX38 PPI subnetwork
ENSG00000100410	PHF5A PPI subnetwork
ENSG00000169083	AR PPI subnetwork
ENSG00000137656	BUD13 PPI subnetwork
ENSG00000206308	HLA-DRA PPI subnetwork
ENSG00000134982	APC PPI subnetwork

ENSG00000211456	SACM1L PPI subnetwork
KEGG_APOPTOSIS	KEGG_APOPTOSIS
MP:0003723	abnormal long bone morphology
ENSG00000174744	BRMS1 PPI subnetwork
REACTOME_TETRAHYDROBIOPTERIN_BH4_	REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYC
ENSG00000164244	PRRC1 PPI subnetwork
GO:0032924	activin receptor signaling pathway
MP:0000913	abnormal brain development
ENSG00000083896	YTHDC1 PPI subnetwork
REACTOME_GPCR_LIGAND_BINDING	REACTOME_GPCR_LIGAND_BINDING
GO:0009072	aromatic amino acid family metabolic process
GO:0002683	negative regulation of immune system process
GO:0035295	tube development
GO:0008093	cytoskeletal adaptor activity
MP:0004703	abnormal vertebral column morphology
KEGG_VIBRIO_CHOLERAE_INFECTION	KEGG_VIBRIO_CHOLERAE_INFECTION
ENSG00000163541	SUCLG1 PPI subnetwork
ENSG00000205659	LIN52 PPI subnetwork
MP:0001293	anophthalmia
GO:0042809	vitamin D receptor binding
ENSG00000113013	HSPA9 PPI subnetwork
ENSG00000089154	GCN1L1 PPI subnetwork
MP:0004933	abnormal epididymis epithelium morphology
GO:0015171	amino acid transmembrane transporter activity
REACTOME_SIGNALING_BY_TGF_BETA	REACTOME_SIGNALING_BY_TGF_BETA
ENSG00000183431	SF3A3 PPI subnetwork
ENSG00000149503	INCENP PPI subnetwork
MP:0002090	abnormal vision
ENSG00000101773	RBBP8 PPI subnetwork
GO:0042743	hydrogen peroxide metabolic process
ENSG00000006712	PAF1 PPI subnetwork
ENSG00000064300	NGFR PPI subnetwork
ENSG00000112033	PPARD PPI subnetwork
REACTOME_ANTIGEN_PROCESSING_UBIQU	REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION__PROT
GO:0006826	iron ion transport
REACTOME_GABA_SYNTHESIS_RELEASE_RE	REACTOME_GABA_SYNTHESIS_RELEASE_REUPTAKE_AND_DE(
ENSG00000167088	SNRPD1 PPI subnetwork
ENSG00000087258	GNAO1 PPI subnetwork
MP:0002631	abnormal epididymis morphology
ENSG00000159348	CYB5R1 PPI subnetwork
GO:0045321	leukocyte activation
ENSG00000089157	RPLP0 PPI subnetwork
GO:0006733	oxidoreduction coenzyme metabolic process
ENSG00000141510	TP53 PPI subnetwork
ENSG00000141759	TXNL4A PPI subnetwork
GO:0032602	chemokine production
ENSG00000171219	CDC42BPG PPI subnetwork
GO:0071260	cellular response to mechanical stimulus
REACTOME_TANDEM_PORE_DOMAIN_POT	REACTOME_TANDEM_PORE_DOMAIN_POTASSIUM_CHANNEI
ENSG00000172660	TAF15 PPI subnetwork

GO:0071346	cellular response to interferon-gamma
ENSG00000156802	ATAD2 PPI subnetwork
ENSG00000129682	FGF13 PPI subnetwork
ENSG00000113810	SMC4 PPI subnetwork
MP:0006301	abnormal mesenchyme morphology
GO:0032722	positive regulation of chemokine production
ENSG00000101040	ZMYND8 PPI subnetwork
ENSG00000175029	CTBP2 PPI subnetwork
ENSG00000081019	RSBN1 PPI subnetwork
GO:0005720	nuclear heterochromatin
REACTOME_MRNA_DECAY_BY_5_TO_3_EX	REACTOME_MRNA_DECAY_BY_5_TO_3_EXORIBONUCLEASE
ENSG00000121486	TRMT1L PPI subnetwork
ENSG00000169783	LINGO1 PPI subnetwork
GO:0042742	defense response to bacterium
REACTOME_RNA_POLYMERASE_II_HIV:1_P	REACTOME_RNA_POLYMERASE_II_HIV:1_PROMOTER_ESCAPE
REACTOME_HIV:1_TRANSCRIPTION_INITIAT	REACTOME_HIV:1_TRANSCRIPTION_INITIATION
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_RNA_POLYMERASE_II_PROMO	REACTOME_RNA_POLYMERASE_II_PROMOTER_ESCAPE
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_PRE:INITI
ENSG00000075856	SART3 PPI subnetwork
MP:0001844	autoimmune response
ENSG00000005884	ITGA3 PPI subnetwork
GO:0090312	positive regulation of protein deacetylation
MP:0003339	decreased pancreatic beta cell number
REACTOME_TRANSCRIPTION_OF_THE_HIV_	REACTOME_TRANSCRIPTION_OF_THE_HIV_GENOME
ENSG00000157110	RBPMS PPI subnetwork
GO:0034134	toll-like receptor 2 signaling pathway
ENSG00000186831	ENSG00000186831 PPI subnetwork
ENSG00000138794	CASP6 PPI subnetwork
GO:0035924	cellular response to vascular endothelial growth factor stimulu
ENSG00000198802	ENSG00000198802 PPI subnetwork
ENSG00000106683	LIMK1 PPI subnetwork
MP:0008049	increased memory T cell number
ENSG00000070010	UFD1L PPI subnetwork
ENSG00000197111	PCBP2 PPI subnetwork
MP:0000364	abnormal vascular regression
ENSG00000056972	TRAF3IP2 PPI subnetwork
ENSG00000138668	HNRNPD PPI subnetwork
GO:0048863	stem cell differentiation
ENSG00000075151	EIF4G3 PPI subnetwork
ENSG00000136807	CDK9 PPI subnetwork
ENSG00000035862	TIMP2 PPI subnetwork
MP:0006089	abnormal vestibular saccule morphology
MP:0000714	increased thymocyte number
ENSG00000070814	TCOF1 PPI subnetwork
MP:0000109	abnormal parietal bone morphology
ENSG00000105705	SUGP1 PPI subnetwork
ENSG00000206450	HLA-B PPI subnetwork
ENSG00000114251	WNT5A PPI subnetwork

MP:0006395	abnormal epiphyseal plate morphology
ENSG00000125753	VASP PPI subnetwork
ENSG00000172780	RAB43 PPI subnetwork
ENSG00000177602	GSG2 PPI subnetwork
ENSG00000177455	CD19 PPI subnetwork
GO:0019208	phosphatase regulator activity
ENSG00000082146	STRADB PPI subnetwork
GO:0019843	rRNA binding
GO:0005547	phosphatidylinositol-3,4,5-trisphosphate binding
MP:0005333	decreased heart rate
ENSG00000105287	PRKD2 PPI subnetwork
MP:0000706	small thymus
MP:0001340	abnormal eyelid morphology
ENSG00000110713	NUP98 PPI subnetwork
ENSG00000100554	ATP6V1D PPI subnetwork
MP:0001284	absent vibrissae
REACTOME_SIGNAL_AMPLIFICATION	REACTOME_SIGNAL_AMPLIFICATION
REACTOME_SIGNALING_BY_WNT	REACTOME_SIGNALING_BY_WNT
REACTOME_DEGRADATION_OF_BETA:CATE	REACTOME_DEGRADATION_OF_BETA:CATENIN_BY_THE_DES
MP:0005352	small cranium
ENSG00000198824	CHAMP1 PPI subnetwork
GO:0032570	response to progesterone stimulus
MP:0008212	absent mature B cells
ENSG00000140332	TLE3 PPI subnetwork
ENSG00000136153	LMO7 PPI subnetwork
ENSG00000129250	KIF1C PPI subnetwork
GO:0009084	glutamine family amino acid biosynthetic process
MP:0005103	abnormal retinal pigmentation
GO:0007159	leukocyte cell-cell adhesion
GO:0012507	ER to Golgi transport vesicle membrane
GO:0016408	C-acyltransferase activity
ENSG00000175895	PLEKHF2 PPI subnetwork
MP:0003648	abnormal radial glial cell morphology
ENSG00000106348	IMPDH1 PPI subnetwork
REACTOME_TRANSPORT_OF_GLUCOSE_AN	REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS
MP:0001967	deafness
GO:0030291	protein serine/threonine kinase inhibitor activity
GO:0009982	pseudouridine synthase activity
MP:0002231	abnormal primitive streak morphology
ENSG00000147130	ZMYM3 PPI subnetwork
ENSG00000196363	WDR5 PPI subnetwork
MP:0008215	decreased immature B cell number
GO:0055102	lipase inhibitor activity
GO:0005667	transcription factor complex
MP:0004077	abnormal striatum morphology
GO:0022408	negative regulation of cell-cell adhesion
MP:0002761	abnormal hippocampal mossy fiber morphology
REACTOME_M_PHASE	REACTOME_M_PHASE
MP:0001426	polydipsia
ENSG00000102024	PLS3 PPI subnetwork

ENSG00000168066	SF1 PPI subnetwork
ENSG00000124587	PEX6 PPI subnetwork
MP:0001666	abnormal intestinal absorption
MP:0003944	abnormal T cell subpopulation ratio
ENSG00000136715	SAP130 PPI subnetwork
ENSG00000184226	PCDH9 PPI subnetwork
GO:0009266	response to temperature stimulus
GO:0019239	deaminase activity
GO:0005795	Golgi stack
ENSG00000164109	MAD2L1 PPI subnetwork
ENSG00000185359	HGS PPI subnetwork
ENSG00000125743	SNRPD2 PPI subnetwork
ENSG00000196455	PIK3R4 PPI subnetwork
ENSG00000130762	ARHGEF16 PPI subnetwork
MP:0002418	increased susceptibility to viral infection
ENSG00000168148	HIST3H3 PPI subnetwork
ENSG00000112249	ASCC3 PPI subnetwork
ENSG00000166851	PLK1 PPI subnetwork
GO:0000779	condensed chromosome, centromeric region
ENSG00000154727	GABPA PPI subnetwork
ENSG00000105258	POLR2I PPI subnetwork
ENSG00000160563	MED27 PPI subnetwork
GO:0007034	vacuolar transport
ENSG00000175416	CLTB PPI subnetwork
ENSG00000134255	CEPT1 PPI subnetwork
GO:0019840	isoprenoid binding
MP:0004358	bowed tibia
GO:0051222	positive regulation of protein transport
MP:0003419	delayed endochondral bone ossification
ENSG00000184937	WT1 PPI subnetwork
MP:0009760	abnormal mitotic spindle morphology
ENSG00000136930	PSMB7 PPI subnetwork
ENSG00000100567	PSMA3 PPI subnetwork
ENSG00000160801	PTH1R PPI subnetwork
GO:0000793	condensed chromosome
GO:0007250	activation of NF-kappaB-inducing kinase activity
GO:0009408	response to heat
MP:0000787	abnormal telencephalon morphology
ENSG00000034152	MAP2K3 PPI subnetwork
MP:0009655	abnormal secondary palate development
GO:0015036	disulfide oxidoreductase activity
ENSG00000186153	WWOX PPI subnetwork
ENSG00000118515	SGK1 PPI subnetwork
GO:0048010	vascular endothelial growth factor receptor signaling pathway
GO:0015114	phosphate ion transmembrane transporter activity
GO:0018208	peptidyl-proline modification
KEGG_ENDOMETRIAL_CANCER	KEGG_ENDOMETRIAL_CANCER
ENSG00000125944	HNRNPR PPI subnetwork
GO:0072524	pyridine-containing compound metabolic process
GO:0019362	pyridine nucleotide metabolic process

MP:0001802	arrested B cell differentiation
ENSG00000144231	POLR2D PPI subnetwork
ENSG00000139515	PDX1 PPI subnetwork
KEGG_PORPHYRIN_AND_CHLOROPHYLL_M	KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM
GO:0030522	intracellular receptor mediated signaling pathway
MP:0008189	increased transitional stage B cell number
MP:0002460	decreased immunoglobulin level
ENSG00000132963	POMP PPI subnetwork
ENSG00000105695	MAG PPI subnetwork
ENSG00000100294	MCAT PPI subnetwork
ENSG00000149554	CHEK1 PPI subnetwork
GO:0000421	autophagic vacuole membrane
GO:0016820	hydrolase activity, acting on acid anhydrides, catalyzing transn
ENSG00000100227	POLDIP3 PPI subnetwork
ENSG00000184009	ACTG1 PPI subnetwork
GO:0034612	response to tumor necrosis factor
MP:0002696	decreased circulating glucagon level
REACTOME_METABOLISM_OF_POLYAMINE	REACTOME_METABOLISM_OF_POLYAMINES
GO:0042987	amyloid precursor protein catabolic process
ENSG00000147099	HDAC8 PPI subnetwork
ENSG00000133103	COG6 PPI subnetwork
MP:0002332	abnormal exercise endurance
ENSG00000010803	SCMH1 PPI subnetwork
ENSG00000173566	NUDT18 PPI subnetwork
ENSG00000147133	TAF1 PPI subnetwork
GO:0009612	response to mechanical stimulus
GO:0000775	chromosome, centromeric region
ENSG00000164270	HTR4 PPI subnetwork
ENSG00000189037	DUSP21 PPI subnetwork
ENSG00000121858	TNFSF10 PPI subnetwork
GO:0048407	platelet-derived growth factor binding
MP:0004418	small parietal bone
ENSG00000104365	IKBKB PPI subnetwork
MP:0005306	abnormal phalanx morphology
ENSG00000123338	NCKAP1L PPI subnetwork
GO:0000777	condensed chromosome kinetochore
REACTOME_INTERLEUKIN:2_SIGNALING	REACTOME_INTERLEUKIN:2_SIGNALING
KEGG_CELL_ADHESION_MOLECULES_CAMS	KEGG_CELL_ADHESION_MOLECULES_CAMS
REACTOME_PROLACTIN_RECEPTOR_SIGNA	REACTOME_PROLACTIN_RECEPTOR_SIGNALING
ENSG00000163399	ATP1A1 PPI subnetwork
MP:0000921	demyelination
GO:0016790	thiolester hydrolase activity
MP:0003651	abnormal axon outgrowth
MP:0008412	increased cellular sensitivity to oxidative stress
MP:0001364	decreased anxiety-related response
MP:0008496	decreased IgG2a level
ENSG00000174996	KLC2 PPI subnetwork
ENSG00000138031	ADCY3 PPI subnetwork
GO:0050768	negative regulation of neurogenesis
ENSG00000143977	SNRPG PPI subnetwork

GO:0002755	MyD88-dependent toll-like receptor signaling pathway
ENSG00000159063	ALG8 PPI subnetwork
REACTOME_INTERFERON_SIGNALING	REACTOME_INTERFERON_SIGNALING
ENSG00000204628	GNB2L1 PPI subnetwork
ENSG00000105216	ENSG00000105216 PPI subnetwork
GO:0045807	positive regulation of endocytosis
REACTOME_ACTIVATED_TAK1_MEDIATES_I	REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIV/
GO:0030128	clathrin coat of endocytic vesicle
ENSG00000164045	CDC25A PPI subnetwork
GO:0047485	protein N-terminus binding
ENSG00000169976	SF3B5 PPI subnetwork
ENSG00000091073	ENSG00000091073 PPI subnetwork
ENSG00000099783	HNRNPM PPI subnetwork
MP:0000279	ventricular hypoplasia
ENSG00000172766	NAA16 PPI subnetwork
REACTOME_MITOTIC_PROMETAPHASE	REACTOME_MITOTIC_PROMETAPHASE
GO:0005072	transforming growth factor beta receptor, cytoplasmic mediat
MP:0002362	abnormal spleen marginal zone morphology
MP:0000522	kidney cortex cysts
MP:0008789	abnormal olfactory epithelium morphology
ENSG00000141506	PIK3R5 PPI subnetwork
ENSG00000170145	SIK2 PPI subnetwork
GO:0061138	morphogenesis of a branching epithelium
MP:0000812	abnormal dentate gyrus morphology
KEGG_FC_GAMMA_R_MEDIATED_PHAGOC	KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS
ENSG00000163362	C1orf106 PPI subnetwork
REACTOME_BIOSYNTHESIS_OF_THE_N:GLY	REACTOME_BIOSYNTHESIS_OF_THE_N:GLYCAN_PRECURSOR_
MP:0008682	decreased interleukin-17 secretion
MP:0000042	abnormal organ of Corti morphology
ENSG00000196305	IARS PPI subnetwork
GO:0007595	lactation
MP:0009546	absent gastric milk in neonates
ENSG00000047410	TPR PPI subnetwork
ENSG00000142675	CNKSR1 PPI subnetwork
GO:0070161	anchoring junction
ENSG00000176165	FOXG1 PPI subnetwork
ENSG00000040199	PHLPP2 PPI subnetwork
MP:0000445	short snout
MP:0001429	dehydration
GO:0000940	condensed chromosome outer kinetochore
ENSG00000089234	BRAP PPI subnetwork
KEGG_BASAL_TRANSCRIPTION_FACTORS	KEGG_BASAL_TRANSCRIPTION_FACTORS
GO:0060249	anatomical structure homeostasis
ENSG00000105971	CAV2 PPI subnetwork
MP:0000060	delayed bone ossification
ENSG00000143870	PDIA6 PPI subnetwork
ENSG00000068796	KIF2A PPI subnetwork
GO:0019748	secondary metabolic process
ENSG00000082258	CCNT2 PPI subnetwork
GO:0030512	negative regulation of transforming growth factor beta recept

REACTOME_NOD12_SIGNALING_PATHWAY	REACTOME_NOD12_SIGNALING_PATHWAY
ENSG00000187735	TCEA1 PPI subnetwork
ENSG00000189308	LIN54 PPI subnetwork
ENSG00000110768	GTF2H1 PPI subnetwork
ENSG00000116350	SRSF4 PPI subnetwork
GO:0008301	DNA binding, bending
REACTOME_PROSTANOID_METABOLISM	REACTOME_PROSTANOID_METABOLISM
ENSG00000073584	SMARCE1 PPI subnetwork
REACTOME_PLATELET_ADHESION_TO_EXP	REACTOME_PLATELET_ADHESION_TO_EXPOSED_COLLAGEN
ENSG00000135829	DHX9 PPI subnetwork
GO:0030934	anchoring collagen
GO:0005578	proteinaceous extracellular matrix
GO:0050830	defense response to Gram-positive bacterium
ENSG00000104856	RELB PPI subnetwork
ENSG00000206279	DAXX PPI subnetwork
ENSG00000206206	DAXX PPI subnetwork
ENSG00000204209	DAXX PPI subnetwork
GO:0004702	receptor signaling protein serine/threonine kinase activity
ENSG00000142949	PTPRF PPI subnetwork
ENSG00000132507	EIF5A PPI subnetwork
REACTOME_MRNA_SPLICING	REACTOME_MRNA_SPLICING
REACTOME_MRNA_SPLICING_:_MAJOR_PA	REACTOME_MRNA_SPLICING_:_MAJOR_PATHWAY
ENSG00000143190	POU2F1 PPI subnetwork
ENSG00000120949	TNFRSF8 PPI subnetwork
MP:0008271	abnormal bone ossification
GO:0031225	anchored to membrane
GO:0043409	negative regulation of MAPK cascade
MP:0008026	abnormal brain white matter morphology
ENSG00000169306	IL1RAPL1 PPI subnetwork
ENSG00000114503	NCBP2 PPI subnetwork
KEGG_ASCORBATE_AND_ALDARATE_META	KEGG_ASCORBATE_AND_ALDARATE_METABOLISM
ENSG00000135090	TAOK3 PPI subnetwork
ENSG00000100201	DDX17 PPI subnetwork
ENSG00000006062	MAP3K14 PPI subnetwork
GO:0031124	mRNA 3'-end processing
ENSG00000091436	ENSG00000091436 PPI subnetwork
ENSG00000198001	IRAK4 PPI subnetwork
ENSG00000115163	CENPA PPI subnetwork
REACTOME_INSULIN_RECEPTOR_RECYCLIN	REACTOME_INSULIN_RECEPTOR_RECYCLING
GO:0046625	sphingolipid binding
ENSG00000003756	RBM5 PPI subnetwork
MP:0000074	abnormal neurocranium morphology
MP:0000427	abnormal hair cycle
MP:0005070	impaired NK cell cytolysis
GO:0008287	protein serine/threonine phosphatase complex
GO:0032933	SREBP-mediated signaling pathway
ENSG00000179071	CCDC89 PPI subnetwork
ENSG00000085721	RRN3 PPI subnetwork
MP:0000250	abnormal vasoconstriction
ENSG00000108797	CNTNAP1 PPI subnetwork

MP:0004073	caudal body truncation
ENSG00000069869	NEDD4 PPI subnetwork
ENSG00000115310	RTN4 PPI subnetwork
ENSG00000215305	VPS16 PPI subnetwork
ENSG00000169891	REPS2 PPI subnetwork
ENSG00000182054	IDH2 PPI subnetwork
ENSG00000165912	PACSIN3 PPI subnetwork
GO:0010608	posttranscriptional regulation of gene expression
GO:0005605	basal lamina
GO:0031063	regulation of histone deacetylation
ENSG00000142856	ITGB3BP PPI subnetwork
MP:0000688	lymphoid hyperplasia
ENSG00000134058	CDK7 PPI subnetwork
GO:0050864	regulation of B cell activation
REACTOME_ANTIGEN_PROCESSING:CROSS_	REACTOME_ANTIGEN_PROCESSING:CROSS_PRESENTATION
MP:0002358	abnormal spleen periarteriolar lymphoid sheath morphology
REACTOME_APOPTOSIS	REACTOME_APOPTOSIS
GO:0042054	histone methyltransferase activity
GO:0001669	acrosomal vesicle
ENSG00000147689	FAM83A PPI subnetwork
GO:0010517	regulation of phospholipase activity
ENSG00000085415	SEH1L PPI subnetwork
GO:0031668	cellular response to extracellular stimulus
ENSG00000099622	CIRBP PPI subnetwork
ENSG00000124193	SRSF6 PPI subnetwork
ENSG00000137218	FRS3 PPI subnetwork
ENSG00000182520	ENSG00000182520 PPI subnetwork
ENSG00000171549	ENSG00000171549 PPI subnetwork
GO:0005912	adherens junction
ENSG00000143801	PSEN2 PPI subnetwork
ENSG00000101144	BMP7 PPI subnetwork
GO:0002694	regulation of leukocyte activation
REACTOME_TRANSPORT_OF_MATURE_TRA	REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYT(
GO:0061035	regulation of cartilage development
ENSG00000102898	NUTF2 PPI subnetwork
REACTOME_RAP1_SIGNALLING	REACTOME_RAP1_SIGNALLING
ENSG00000136068	FLNB PPI subnetwork
ENSG00000065989	PDE4A PPI subnetwork
GO:0030163	protein catabolic process
ENSG00000169021	UQCRFS1 PPI subnetwork
GO:0002274	myeloid leukocyte activation
ENSG00000131795	RBM8A PPI subnetwork
REACTOME_MRNA_PROCESSING	REACTOME_MRNA_PROCESSING
ENSG00000110801	PSMD9 PPI subnetwork
GO:0031985	Golgi cisterna
MP:0009331	absent primitive node
ENSG00000127527	EPS15L1 PPI subnetwork
ENSG00000183495	EP400 PPI subnetwork
REACTOME_PHASE_II_CONJUGATION	REACTOME_PHASE_II_CONJUGATION
ENSG00000148175	STOM PPI subnetwork

ENSG00000153207	AHCTF1 PPI subnetwork
ENSG00000104177	MYEF2 PPI subnetwork
ENSG00000108840	HDAC5 PPI subnetwork
ENSG00000153046	CDYL PPI subnetwork
GO:0005802	trans-Golgi network
ENSG00000065135	GNAI3 PPI subnetwork
REACTOME_RNA_POLYMERASE_II_PRE:TRA	REACTOME_RNA_POLYMERASE_II_PRE:TRANSCRIPTION_EVEN
REACTOME_ACTIVATION_OF_THE_AP:1_FA	REACTOME_ACTIVATION_OF_THE_AP:1_FAMILY_OF_TRANSC
ENSG00000105245	NUMBL PPI subnetwork
GO:0030027	lamellipodium
ENSG00000164609	SLU7 PPI subnetwork
ENSG00000188404	SELL PPI subnetwork
MP:0008476	increased spleen red pulp amount
ENSG00000155868	MED7 PPI subnetwork
GO:0006086	acetyl-CoA biosynthetic process from pyruvate
GO:0010510	regulation of acetyl-CoA biosynthetic process from pyruvate
ENSG00000136717	BIN1 PPI subnetwork
GO:0006198	cAMP catabolic process
GO:0005583	fibrillar collagen
ENSG00000018408	WWTR1 PPI subnetwork
REACTOME_PYRIMIDINE_METABOLISM	REACTOME_PYRIMIDINE_METABOLISM
GO:0043560	insulin receptor substrate binding
MP:0000410	waved hair
ENSG00000121931	LRIF1 PPI subnetwork
ENSG00000103051	COG4 PPI subnetwork
GO:0007041	lysosomal transport
ENSG00000182541	LIMK2 PPI subnetwork
ENSG00000074054	CLASP1 PPI subnetwork
ENSG00000106571	GLI3 PPI subnetwork
ENSG00000064547	LPAR2 PPI subnetwork
ENSG00000167880	EVPL PPI subnetwork
ENSG00000138180	CEP55 PPI subnetwork
ENSG00000160200	CBS PPI subnetwork
MP:0000572	abnormal autopod morphology
ENSG00000196497	IPO4 PPI subnetwork
MP:0002026	leukemia
GO:0005849	mRNA cleavage factor complex
ENSG00000167526	RPL13 PPI subnetwork
GO:0043574	peroxisomal transport
GO:0000038	very long-chain fatty acid metabolic process
GO:0000776	kinetochore
ENSG00000149016	TUT1 PPI subnetwork
MP:0004803	increased susceptibility to autoimmune diabetes
GO:0031984	organelle subcompartment
GO:0019897	extrinsic to plasma membrane
ENSG00000139343	SNRPF PPI subnetwork
GO:0010518	positive regulation of phospholipase activity
ENSG00000085733	CTTN PPI subnetwork
ENSG00000004487	KDM1A PPI subnetwork
ENSG00000148498	PARD3 PPI subnetwork

GO:0002699	positive regulation of immune effector process
MP:0001929	abnormal gametogenesis
ENSG00000089902	RCOR1 PPI subnetwork
ENSG00000132182	NUP210 PPI subnetwork
ENSG00000105509	HAS1 PPI subnetwork
ENSG00000099995	SF3A1 PPI subnetwork
ENSG00000206287	RING1 PPI subnetwork
ENSG00000204227	RING1 PPI subnetwork
ENSG00000206215	ENSG00000206215 PPI subnetwork
GO:0043200	response to amino acid stimulus
GO:0033116	endoplasmic reticulum-Golgi intermediate compartment mem
GO:0005762	mitochondrial large ribosomal subunit
GO:0000315	organellar large ribosomal subunit
MP:0005058	abnormal lysosome morphology
ENSG00000060339	CCAR1 PPI subnetwork
ENSG00000168002	POLR2G PPI subnetwork
ENSG00000147065	MSN PPI subnetwork
ENSG00000111880	RNGTT PPI subnetwork
ENSG00000167193	CRK PPI subnetwork
GO:0005086	ARF guanyl-nucleotide exchange factor activity
ENSG00000010030	ETV7 PPI subnetwork
ENSG00000149557	FEZ1 PPI subnetwork
ENSG00000139496	NUPL1 PPI subnetwork
ENSG00000136754	ABI1 PPI subnetwork
ENSG00000129810	SGOL1 PPI subnetwork
ENSG00000162521	RBBP4 PPI subnetwork
ENSG00000099341	PSMD8 PPI subnetwork
ENSG00000206419	ENSG00000206419 PPI subnetwork
ENSG00000206495	TRIM39 PPI subnetwork
ENSG00000204599	TRIM39 PPI subnetwork
ENSG00000145241	CENPC1 PPI subnetwork
ENSG00000140262	TCF12 PPI subnetwork
ENSG00000145216	FIP1L1 PPI subnetwork
GO:0071356	cellular response to tumor necrosis factor
GO:0004722	protein serine/threonine phosphatase activity
GO:0015923	mannosidase activity
MP:0000435	shortened head
ENSG00000026025	VIM PPI subnetwork
GO:0071248	cellular response to metal ion
ENSG00000162735	PEX19 PPI subnetwork
ENSG00000100401	RANGAP1 PPI subnetwork
ENSG00000014641	MDH1 PPI subnetwork
ENSG00000175866	BAIAP2 PPI subnetwork
ENSG00000168040	FADD PPI subnetwork
ENSG00000120509	PDZD11 PPI subnetwork
ENSG00000130520	LSM4 PPI subnetwork
REACTOME_GAP_JUNCTION_ASSEMBLY	REACTOME_GAP_JUNCTION_ASSEMBLY
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRON:CONTAINING_
KEGG_HISTIDINE_METABOLISM	KEGG_HISTIDINE_METABOLISM
ENSG00000173530	TNFRSF10D PPI subnetwork

ENSG00000100650	SRSF5 PPI subnetwork
ENSG00000122484	RPAP2 PPI subnetwork
GO:0070411	I-SMAD binding
GO:0048872	homeostasis of number of cells
ENSG00000105135	ILVBL PPI subnetwork
GO:0005247	voltage-gated chloride channel activity
MP:0001655	multifocal hepatic necrosis
GO:0006720	isoprenoid metabolic process
MP:0001407	short stride length
ENSG00000141570	CBX8 PPI subnetwork
MP:0009399	increased skeletal muscle fiber size
ENSG00000100138	NHP2L1 PPI subnetwork
ENSG00000135069	PSAT1 PPI subnetwork
GO:0015020	glucuronosyltransferase activity
ENSG00000120253	NUP43 PPI subnetwork
ENSG00000165732	DDX21 PPI subnetwork
GO:0051047	positive regulation of secretion
ENSG00000172409	CLP1 PPI subnetwork
GO:0001503	ossification
ENSG00000115145	STAM2 PPI subnetwork
GO:0019439	aromatic compound catabolic process
GO:0007623	circadian rhythm
ENSG00000121879	PIK3CA PPI subnetwork
ENSG00000173473	SMARCC1 PPI subnetwork
MP:0000774	decreased brain size
ENSG00000172201	ID4 PPI subnetwork
GO:0019717	synaptosome
ENSG00000136450	SRSF1 PPI subnetwork
MP:0001297	microphthalmia
ENSG00000170315	UBB PPI subnetwork
ENSG00000105663	ENSG00000105663 PPI subnetwork
ENSG00000166483	WEE1 PPI subnetwork
ENSG00000083520	DIS3 PPI subnetwork
ENSG00000092208	GEMIN2 PPI subnetwork
ENSG00000154143	PANX3 PPI subnetwork
GO:0051180	vitamin transport
ENSG00000115875	SRSF7 PPI subnetwork
ENSG00000092199	HNRNPC PPI subnetwork
ENSG00000075651	PLD1 PPI subnetwork
ENSG00000100109	TFIP11 PPI subnetwork
REACTOME_APOPTOTIC_EXECUTION__PHA	REACTOME_APOPTOTIC_EXECUTION__PHASE
MP:0002114	abnormal axial skeleton morphology
ENSG00000102554	KLF5 PPI subnetwork
GO:0005876	spindle microtubule
GO:0045089	positive regulation of innate immune response
ENSG00000118194	TNNT2 PPI subnetwork
MP:0005350	increased susceptibility to autoimmune disorder
GO:0008209	androgen metabolic process
ENSG00000135446	CDK4 PPI subnetwork
ENSG00000155966	AFF2 PPI subnetwork

ENSG00000185104	FAF1 PPI subnetwork
MP:0003122	maternal imprinting
GO:0005839	proteasome core complex
ENSG00000172795	DCP2 PPI subnetwork
GO:0005083	small GTPase regulator activity
GO:0004715	non-membrane spanning protein tyrosine kinase activity
GO:0032642	regulation of chemokine production
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_	KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLI
ENSG00000143106	PSMA5 PPI subnetwork
MP:0008535	enlarged lateral ventricles
ENSG00000123836	PFKFB2 PPI subnetwork
GO:0070661	leukocyte proliferation
ENSG00000134597	RBMX2 PPI subnetwork
ENSG00000116544	DLGAP3 PPI subnetwork
ENSG00000124789	NUP153 PPI subnetwork
ENSG00000105369	CD79A PPI subnetwork
ENSG00000166225	FRS2 PPI subnetwork
GO:0010827	regulation of glucose transport
ENSG00000163161	ERCC3 PPI subnetwork
ENSG00000026508	CD44 PPI subnetwork
ENSG00000156374	PCGF6 PPI subnetwork
ENSG00000140650	PMM2 PPI subnetwork
ENSG00000125870	SNRPB2 PPI subnetwork
ENSG00000174442	ZWILCH PPI subnetwork
GO:0072207	metanephric epithelium development
ENSG00000139549	DHH PPI subnetwork
ENSG00000105662	CRTC1 PPI subnetwork
GO:0035091	phosphatidylinositol binding
ENSG00000064961	HMG20B PPI subnetwork
GO:0016765	transferase activity, transferring alkyl or aryl (other than meth
GO:0001676	long-chain fatty acid metabolic process
REACTOME_CYCLIN_D_ASSOCIATED_EVENT	REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1
REACTOME_G1_PHASE	REACTOME_G1_PHASE
GO:0051168	nuclear export
GO:0006879	cellular iron ion homeostasis
ENSG00000112592	TBP PPI subnetwork
GO:0046676	negative regulation of insulin secretion
ENSG00000198176	TFDP1 PPI subnetwork
REACTOME_DNA_REPLICATION	REACTOME_DNA_REPLICATION
ENSG00000198518	HIST1H4E PPI subnetwork
ENSG00000197914	HIST1H4K PPI subnetwork
ENSG00000124529	HIST1H4B PPI subnetwork
ENSG00000158406	HIST1H4H PPI subnetwork
ENSG00000197061	HIST1H4C PPI subnetwork
ENSG00000182217	HIST2H4B PPI subnetwork
ENSG00000198339	HIST1H4I PPI subnetwork
ENSG00000183941	HIST2H4A PPI subnetwork
ENSG00000197238	HIST1H4J PPI subnetwork
ENSG00000198327	HIST1H4F PPI subnetwork
ENSG00000188987	HIST1H4D PPI subnetwork

ENSG00000196176	HIST1H4A PPI subnetwork
ENSG00000197837	HIST4H4 PPI subnetwork
ENSG00000198558	HIST1H4L PPI subnetwork
MP:0005671	abnormal response to transplant
ENSG00000163882	POLR2H PPI subnetwork
GO:0032012	regulation of ARF protein signal transduction
MP:0010090	increased circulating creatine kinase level
ENSG00000166501	PRKCB PPI subnetwork
ENSG00000109519	GRPEL1 PPI subnetwork
ENSG00000143393	PI4KB PPI subnetwork
ENSG00000166197	NOLC1 PPI subnetwork
ENSG00000172943	PHF8 PPI subnetwork
GO:0043627	response to estrogen stimulus
MP:0005404	abnormal axon morphology
ENSG00000120694	HSPH1 PPI subnetwork
ENSG00000168924	LETM1 PPI subnetwork
MP:0003861	abnormal nervous system development
ENSG00000196367	TRRAP PPI subnetwork
ENSG00000106628	POLD2 PPI subnetwork
REACTOME_MITOTIC_M:MG1_PHASES	REACTOME_MITOTIC_M:MG1_PHASES
GO:0051019	mitogen-activated protein kinase binding
MP:0002459	abnormal B cell physiology
REACTOME_BRANCHED:CHAIN_AMINO_AC	REACTOME_BRANCHED:CHAIN_AMINO_ACID_CATABOLISM
ENSG00000094916	CBX5 PPI subnetwork
MP:0010403	atrial septal defect
ENSG00000117385	LEPRE1 PPI subnetwork
ENSG00000170421	KRT8 PPI subnetwork
ENSG00000160916	ENSG00000160916 PPI subnetwork
GO:0009214	cyclic nucleotide catabolic process
REACTOME_CRMPS_IN_SEMA3A_SIGNALIN	REACTOME_CRMPS_IN_SEMA3A_SIGNALING
GO:0043566	structure-specific DNA binding
MP:0006362	abnormal male germ cell morphology
ENSG00000114670	NEK11 PPI subnetwork
REACTOME_EGFR_DOWNREGULATION	REACTOME_EGFR_DOWNREGULATION
ENSG00000168438	CDC40 PPI subnetwork
ENSG00000130772	MED18 PPI subnetwork
GO:0017053	transcriptional repressor complex
ENSG00000141027	NCOR1 PPI subnetwork
GO:0032760	positive regulation of tumor necrosis factor production
ENSG00000126698	DNAJC8 PPI subnetwork
REACTOME_TRAF6_MEDIATED_IRF7_ACTIV	REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION
GO:0016667	oxidoreductase activity, acting on a sulfur group of donors
ENSG00000137757	CASP5 PPI subnetwork
GO:0007586	digestion
ENSG00000068323	TFE3 PPI subnetwork
ENSG00000163535	SGOL2 PPI subnetwork
ENSG00000123091	RNF11 PPI subnetwork
GO:0071241	cellular response to inorganic substance
GO:0043009	chordate embryonic development
GO:0070301	cellular response to hydrogen peroxide

GO:0016620	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000163531	NFASC PPI subnetwork
ENSG00000075188	NUP37 PPI subnetwork
ENSG00000163002	NUP35 PPI subnetwork
MP:0002656	abnormal keratinocyte differentiation
GO:0003682	chromatin binding
ENSG00000180209	MYLPF PPI subnetwork
GO:0035258	steroid hormone receptor binding
GO:0042559	pteridine-containing compound biosynthetic process
ENSG00000172531	PPP1CA PPI subnetwork
ENSG00000120948	TARDBP PPI subnetwork
GO:0042059	negative regulation of epidermal growth factor receptor signa
GO:0016538	cyclin-dependent protein kinase regulator activity
GO:0030947	regulation of vascular endothelial growth factor receptor signa
ENSG00000105669	COPE PPI subnetwork
MP:0002988	decreased urine osmolality
ENSG00000134480	CCNH PPI subnetwork
GO:0042058	regulation of epidermal growth factor receptor signaling pathv
GO:0009792	embryo development ending in birth or egg hatching
MP:0002461	increased immunoglobulin level
ENSG00000156711	MAPK13 PPI subnetwork
ENSG00000033627	ATP6V0A1 PPI subnetwork
GO:0008544	epidermis development
GO:0072531	pyrimidine-containing compound transmembrane transport
ENSG00000111344	RASAL1 PPI subnetwork
ENSG00000011007	TCEB3 PPI subnetwork
MP:0008272	abnormal endochondral bone ossification
ENSG00000112282	MED23 PPI subnetwork
ENSG00000198700	IPO9 PPI subnetwork
ENSG00000142655	PEX14 PPI subnetwork
REACTOME_PEPTIDE_HORMONE_BIOSYNTI	REACTOME_PEPTIDE_HORMONE_BIOSYNTHESIS
ENSG00000137177	KIF13A PPI subnetwork
GO:0046915	transition metal ion transmembrane transporter activity
GO:0046887	positive regulation of hormone secretion
MP:0003036	vertebral transformation
MP:0005441	increased urine calcium level
ENSG00000104833	TUBB4A PPI subnetwork
ENSG00000133997	MED6 PPI subnetwork
GO:0030278	regulation of ossification
GO:0034708	methyltransferase complex
GO:0035097	histone methyltransferase complex
GO:0051607	defense response to virus
MP:0000131	abnormal long bone epiphysis morphology
ENSG00000165934	CPSF2 PPI subnetwork
GO:0042612	MHC class I protein complex
ENSG00000108312	UBTF PPI subnetwork
ENSG00000163486	SRGAP2 PPI subnetwork
ENSG00000103342	GSPT1 PPI subnetwork
ENSG00000113712	CSNK1A1 PPI subnetwork
ENSG00000136531	SCN2A PPI subnetwork

ENSG00000138433	CIR1 PPI subnetwork
GO:0010243	response to organic nitrogen
MP:0008788	abnormal fetal cardiomyocyte morphology
GO:0033764	steroid dehydrogenase activity, acting on the CH-OH group of
ENSG00000116754	SRSF11 PPI subnetwork
ENSG00000113140	SPARC PPI subnetwork
GO:0015035	protein disulfide oxidoreductase activity
MP:0009172	small pancreatic islets
ENSG00000198730	CTR9 PPI subnetwork
ENSG00000138398	PPIG PPI subnetwork
ENSG00000100836	PABPN1 PPI subnetwork
REACTOME_SIGNALLING_TO_RAS	REACTOME_SIGNALLING_TO_RAS
GO:0071466	cellular response to xenobiotic stimulus
GO:0009410	response to xenobiotic stimulus
ENSG00000123124	WWP1 PPI subnetwork
MP:0008186	increased pro-B cell number
ENSG00000065559	MAP2K4 PPI subnetwork
ENSG00000110107	PRPF19 PPI subnetwork
MP:0004704	short vertebral column
GO:0030057	desmosome
ENSG00000111676	ATN1 PPI subnetwork
GO:0034339	regulation of transcription from RNA polymerase II promoter b
ENSG00000141200	KIF2B PPI subnetwork
REACTOME_SPHINGOLIPID_METABOLISM	REACTOME_SPHINGOLIPID_METABOLISM
GO:0048710	regulation of astrocyte differentiation
ENSG00000148296	SURF6 PPI subnetwork
ENSG00000102871	TRADD PPI subnetwork
MP:0000585	kinked tail
MP:0000764	abnormal tongue epithelium morphology
ENSG00000133961	NUMB PPI subnetwork
REACTOME_HOST_INTERACTIONS_OF_HIV_	REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS
GO:0045649	regulation of macrophage differentiation
ENSG00000110492	MDK PPI subnetwork
ENSG00000175189	INHBC PPI subnetwork
REACTOME_CD28_DEPENDENT_PI3KAKT_S	REACTOME_CD28_DEPENDENT_PI3KAKT_SIGNALING
GO:0015758	glucose transport
GO:0008645	hexose transport
ENSG00000106299	WASL PPI subnetwork
ENSG00000111581	NUP107 PPI subnetwork
ENSG00000121621	KIF18A PPI subnetwork
ENSG00000078295	ADCY2 PPI subnetwork
GO:0032330	regulation of chondrocyte differentiation
ENSG00000197321	SVIL PPI subnetwork
GO:0002695	negative regulation of leukocyte activation
ENSG00000008018	PSMB1 PPI subnetwork
ENSG00000159377	PSMB4 PPI subnetwork
GO:0015030	Cajal body
REACTOME_CD28_CO:STIMULATION	REACTOME_CD28_CO:STIMULATION
GO:0006516	glycoprotein catabolic process
ENSG00000131941	RHPN2 PPI subnetwork

GO:0017015	regulation of transforming growth factor beta receptor signali
GO:0060541	respiratory system development
GO:0008186	RNA-dependent ATPase activity
ENSG00000142507	PSMB6 PPI subnetwork
GO:0000785	chromatin
ENSG00000125450	NUP85 PPI subnetwork
GO:0005343	organic acid:sodium symporter activity
ENSG00000154429	C1orf96 PPI subnetwork
ENSG00000145604	SKP2 PPI subnetwork
GO:0034614	cellular response to reactive oxygen species
MP:0002398	abnormal bone marrow cell morphology/development
MP:0000276	heart right ventricle hypertrophy
ENSG00000160447	PKN3 PPI subnetwork
ENSG00000068615	REEP1 PPI subnetwork
GO:0046966	thyroid hormone receptor binding
ENSG00000112186	CAP2 PPI subnetwork
ENSG00000076928	ARHGEF1 PPI subnetwork
ENSG00000106290	TAF6 PPI subnetwork
ENSG00000101665	SMAD7 PPI subnetwork
MP:0002423	abnormal mast cell physiology
ENSG00000183741	CBX6 PPI subnetwork
GO:0005501	retinoid binding
MP:0008101	lymph node hypoplasia
ENSG00000136238	RAC1 PPI subnetwork
ENSG00000072864	NDE1 PPI subnetwork
ENSG00000166908	PIP4K2C PPI subnetwork
GO:0008022	protein C-terminus binding
ENSG00000147854	UHRF2 PPI subnetwork
GO:0042625	ATPase activity, coupled to transmembrane movement of ions
ENSG00000092201	SUPT16H PPI subnetwork
REACTOME_ER:PHAGOSOME_PATHWAY	REACTOME_ER:PHAGOSOME_PATHWAY
ENSG00000165632	TAF3 PPI subnetwork
ENSG00000071539	TRIP13 PPI subnetwork
ENSG00000196781	TLE1 PPI subnetwork
GO:0015850	organic alcohol transport
REACTOME_PURINE_SALVAGE	REACTOME_PURINE_SALVAGE
MP:0000808	abnormal hippocampus development
REACTOME_PKA_ACTIVATION_IN_GLUCAG	REACTOME_PKA_ACTIVATION_IN_GLUCAGON_SIGNALLING
ENSG00000101811	CSTF2 PPI subnetwork
ENSG00000143933	CALM2 PPI subnetwork
ENSG00000160014	CALM3 PPI subnetwork
ENSG00000198668	CALM1 PPI subnetwork
ENSG00000166794	PPIB PPI subnetwork
REACTOME_N:GLYCAN_TRIMMING_IN_THE	REACTOME_N:GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEX
GO:0016887	ATPase activity
ENSG00000177426	TGIF1 PPI subnetwork
GO:0009755	hormone-mediated signaling pathway
ENSG00000213588	ZBTB9 PPI subnetwork
ENSG00000078018	MAP2 PPI subnetwork
MP:0004485	increased response of heart to induced stress

ENSG00000136875	PRPF4 PPI subnetwork
GO:0070848	response to growth factor stimulus
GO:0030140	trans-Golgi network transport vesicle
ENSG00000162385	MAGOH PPI subnetwork
ENSG00000095261	PSMD5 PPI subnetwork
ENSG00000198933	TBKBP1 PPI subnetwork
REACTOME_P75_NTR_RECEPTOR:MEDIATE	REACTOME_P75_NTR_RECEPTOR:MEDIATED_SIGNALLING
GO:0019079	viral genome replication
ENSG00000160584	SIK3 PPI subnetwork
ENSG00000108515	ENO3 PPI subnetwork
GO:0071377	cellular response to glucagon stimulus
MP:0008540	abnormal cerebrum morphology
ENSG00000134640	MTNR1B PPI subnetwork
ENSG00000139083	ETV6 PPI subnetwork
ENSG00000067182	TNFRSF1A PPI subnetwork
KEGG_PROTEASOME	KEGG_PROTEASOME
ENSG00000130479	MAP1S PPI subnetwork
ENSG00000213024	NUP62 PPI subnetwork
MP:0002972	abnormal cardiac muscle contractility
ENSG00000129084	PSMA1 PPI subnetwork
ENSG00000154839	SKA1 PPI subnetwork
ENSG00000197905	TEAD4 PPI subnetwork
ENSG00000100056	DGCR14 PPI subnetwork
MP:0000885	ectopic Purkinje cell
GO:0031252	cell leading edge
GO:0015175	neutral amino acid transmembrane transporter activity
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GLOBO_SERIES
GO:0005328	neurotransmitter:sodium symporter activity
MP:0005154	increased B cell proliferation
MP:0005421	loose skin
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_P	KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
ENSG00000111786	SRSF9 PPI subnetwork
ENSG00000007968	E2F2 PPI subnetwork
ENSG00000115761	NOL10 PPI subnetwork
GO:0050867	positive regulation of cell activation
ENSG00000164418	GRIK2 PPI subnetwork
MP:0008522	abnormal lymph node germinal center morphology
ENSG00000206509	HLA-F PPI subnetwork
ENSG00000153044	CENPH PPI subnetwork
GO:0006354	transcription elongation, DNA-dependent
ENSG00000184445	KNTC1 PPI subnetwork
ENSG00000018236	CNTN1 PPI subnetwork
MP:0009940	abnormal hippocampus pyramidal cell morphology
MP:0001236	abnormal epidermis stratum spinosum morphology
REACTOME_POST:TRANSLATIONAL_PROTEI	REACTOME_POST:TRANSLATIONAL_PROTEIN_MODIFICATION
GO:0046427	positive regulation of JAK-STAT cascade
ENSG00000078747	ITCH PPI subnetwork
GO:0001772	immunological synapse
GO:0032318	regulation of Ras GTPase activity
MP:0004924	abnormal behavior

GO:0042623	ATPase activity, coupled
ENSG00000011304	PTBP1 PPI subnetwork
ENSG00000108100	CCNY PPI subnetwork
ENSG00000103351	CLUAP1 PPI subnetwork
GO:0043535	regulation of blood vessel endothelial cell migration
ENSG00000156304	SCAF4 PPI subnetwork
ENSG00000149273	RPS3 PPI subnetwork
MP:0004404	cochlear outer hair cell degeneration
ENSG00000181222	POLR2A PPI subnetwork
REACTOME_INTERFERON_ALPHABETA_SIGI	REACTOME_INTERFERON_ALPHABETA_SIGNALING
GO:0031663	lipopolysaccharide-mediated signaling pathway
MP:0002275	abnormal type II pneumocyte morphology
MP:0005089	decreased double-negative T cell number
GO:0010952	positive regulation of peptidase activity
ENSG00000196924	FLNA PPI subnetwork
ENSG00000139626	ITGB7 PPI subnetwork
ENSG00000126602	TRAP1 PPI subnetwork
ENSG00000152234	ATP5A1 PPI subnetwork
ENSG00000178363	CALML3 PPI subnetwork
ENSG00000125818	PSMF1 PPI subnetwork
ENSG00000164776	PHKG1 PPI subnetwork
ENSG00000160783	PMF1 PPI subnetwork
ENSG00000152661	GJA1 PPI subnetwork
GO:0006805	xenobiotic metabolic process
ENSG00000142945	KIF2C PPI subnetwork
MP:0001071	abnormal facial nerve morphology
ENSG00000005075	POLR2J PPI subnetwork
ENSG00000197045	GMFB PPI subnetwork
ENSG00000134852	CLOCK PPI subnetwork
ENSG00000144381	HSPD1 PPI subnetwork
GO:0002673	regulation of acute inflammatory response
ENSG00000104884	ERCC2 PPI subnetwork
ENSG00000108883	EFTUD2 PPI subnetwork
GO:0032655	regulation of interleukin-12 production
ENSG00000122952	ZWINT PPI subnetwork
REACTOME_BETA_DEFENSINS	REACTOME_BETA_DEFENSINS
ENSG00000114107	CEP70 PPI subnetwork
GO:0006402	mRNA catabolic process
MP:0002786	abnormal Leydig cell morphology
ENSG00000163635	ATXN7 PPI subnetwork
ENSG00000070785	EIF2B3 PPI subnetwork
GO:0001763	morphogenesis of a branching structure
ENSG00000120334	CENPL PPI subnetwork
ENSG00000128602	SMO PPI subnetwork
REACTOME_PKA_ACTIVATION	REACTOME_PKA_ACTIVATION
GO:0090092	regulation of transmembrane receptor protein serine/threoni
ENSG00000166747	AP1G1 PPI subnetwork
ENSG00000031698	SARS PPI subnetwork
ENSG00000111845	PAK1IP1 PPI subnetwork
REACTOME_REGULATION_OF_APOPTOSIS	REACTOME_REGULATION_OF_APOPTOSIS

ENSG00000120688	WBP4 PPI subnetwork
ENSG00000110987	BCL7A PPI subnetwork
GO:0043256	laminin complex
GO:0005201	extracellular matrix structural constituent
GO:0030496	midbody
GO:0042659	regulation of cell fate specification
ENSG00000066117	SMARCD1 PPI subnetwork
ENSG00000070061	IKBKAP PPI subnetwork
REACTOME_OTHER_SEMAPHORIN_INTERA	REACTOME_OTHER_SEMAPHORIN_INTERACTIONS
GO:0001077	RNA polymerase II core promoter proximal region sequence-s
MP:0004505	decreased renal glomerulus number
GO:0007266	Rho protein signal transduction
ENSG00000117697	NSL1 PPI subnetwork
MP:0002151	abnormal neural tube morphology/development
REACTOME_PECAM1_INTERACTIONS	REACTOME_PECAM1_INTERACTIONS
ENSG00000017797	RALBP1 PPI subnetwork
ENSG00000165417	GTF2A1 PPI subnetwork
ENSG00000132153	DHX30 PPI subnetwork
GO:0043279	response to alkaloid
GO:0015929	hexosaminidase activity
GO:0007265	Ras protein signal transduction
ENSG00000119421	NDUFA8 PPI subnetwork
GO:0006699	bile acid biosynthetic process
ENSG00000165494	PCF11 PPI subnetwork
GO:0018209	peptidyl-serine modification
GO:0032615	interleukin-12 production
ENSG00000130066	SAT1 PPI subnetwork
MP:0005136	decreased growth hormone level
KEGG_PANCREATIC_CANCER	KEGG_PANCREATIC_CANCER
MP:0006355	abnormal sixth branchial arch artery morphology
ENSG00000138092	CENPO PPI subnetwork
GO:0001085	RNA polymerase II transcription factor binding
ENSG00000183598	HIST2H3D PPI subnetwork
ENSG00000203811	HIST2H3C PPI subnetwork
ENSG00000175575	PAAF1 PPI subnetwork
MP:0003123	paternal imprinting
ENSG00000087460	GNAS PPI subnetwork
ENSG00000150459	SAP18 PPI subnetwork
ENSG00000125676	THOC2 PPI subnetwork
ENSG00000126883	NUP214 PPI subnetwork
MP:0002110	abnormal digit morphology
GO:0060627	regulation of vesicle-mediated transport
ENSG00000134398	ERN2 PPI subnetwork
ENSG00000147669	POLR2K PPI subnetwork
ENSG00000126562	WNK4 PPI subnetwork
ENSG00000204301	NOTCH4 PPI subnetwork
ENSG00000080839	RBL1 PPI subnetwork
ENSG00000101004	NINL PPI subnetwork
MP:0003089	decreased skin tensile strength
MP:0002116	abnormal craniofacial bone morphology

GO:0051249	regulation of lymphocyte activation
ENSG00000145781	COMMD10 PPI subnetwork
GO:0042611	MHC protein complex
ENSG00000134690	CDCA8 PPI subnetwork
ENSG00000072501	SMC1A PPI subnetwork
ENSG00000089685	BIRC5 PPI subnetwork
ENSG00000143228	NUF2 PPI subnetwork
ENSG00000031691	CENPQ PPI subnetwork
MP:0008127	decreased dendritic cell number
GO:0043491	protein kinase B signaling cascade
ENSG00000206306	HLA-DRB1 PPI subnetwork
ENSG00000206240	HLA-DRB1 PPI subnetwork
ENSG00000206503	HLA-A PPI subnetwork
MP:0004986	abnormal osteoblast morphology
GO:0005922	connexon complex
KEGG_ALLOGRAFT_REJECTION	KEGG_ALLOGRAFT_REJECTION
ENSG00000135845	PIGC PPI subnetwork
GO:0032154	cleavage furrow
ENSG00000179364	PACS2 PPI subnetwork
MP:0008097	increased plasma cell number
GO:0042558	pteridine-containing compound metabolic process
ENSG00000164162	ANAPC10 PPI subnetwork
GO:0045907	positive regulation of vasoconstriction
ENSG00000110321	EIF4G2 PPI subnetwork
ENSG00000196549	MME PPI subnetwork
GO:0045639	positive regulation of myeloid cell differentiation
ENSG00000153391	INO80C PPI subnetwork
GO:0032494	response to peptidoglycan
ENSG00000188312	CENPP PPI subnetwork
MP:0002184	abnormal innervation
ENSG00000183814	LIN9 PPI subnetwork
ENSG00000085117	CD82 PPI subnetwork
GO:0008514	organic anion transmembrane transporter activity
ENSG00000181856	SLC2A4 PPI subnetwork
ENSG00000163877	SNIP1 PPI subnetwork
MP:0002655	abnormal keratinocyte morphology
GO:0033176	proton-transporting V-type ATPase complex
MP:0011083	complete lethality at weaning
ENSG00000123219	CENPK PPI subnetwork
ENSG00000137812	CASC5 PPI subnetwork
MP:0001539	decreased caudal vertebrae number
ENSG00000138778	CENPE PPI subnetwork
ENSG00000175220	ARHGAP1 PPI subnetwork
ENSG00000116560	SFPQ PPI subnetwork
ENSG00000174243	DDX23 PPI subnetwork
GO:0032943	mononuclear cell proliferation
ENSG00000161647	MPP3 PPI subnetwork
GO:0009064	glutamine family amino acid metabolic process
ENSG00000086102	NFX1 PPI subnetwork
REACTOME_CELL_CYCLE_MITOTIC	REACTOME_CELL_CYCLE_MITOTIC

ENSG00000186871	ERCC6L PPI subnetwork
GO:0005938	cell cortex
ENSG00000100162	CENPM PPI subnetwork
ENSG00000094631	HDAC6 PPI subnetwork
ENSG00000129675	ARHGEF6 PPI subnetwork
ENSG00000204133	ENSG00000204133 PPI subnetwork
ENSG00000117318	ID3 PPI subnetwork
GO:0001501	skeletal system development
GO:0031201	SNARE complex
ENSG00000017260	ATP2C1 PPI subnetwork
GO:0042446	hormone biosynthetic process
MP:0005075	abnormal melanosome morphology
ENSG00000166167	BTRC PPI subnetwork
ENSG00000130332	LSM7 PPI subnetwork
REACTOME_AXON_GUIDANCE	REACTOME_AXON_GUIDANCE
GO:0009074	aromatic amino acid family catabolic process
ENSG00000086232	EIF2AK1 PPI subnetwork
ENSG00000134086	VHL PPI subnetwork
ENSG00000102978	POLR2C PPI subnetwork
ENSG00000215476	ENSG00000215476 PPI subnetwork
ENSG00000213780	GTF2H4 PPI subnetwork
ENSG00000206476	ENSG00000206476 PPI subnetwork
ENSG00000144029	MRPS5 PPI subnetwork
ENSG00000053900	ANAPC4 PPI subnetwork
GO:0014911	positive regulation of smooth muscle cell migration
MP:0001828	abnormal T cell activation
ENSG00000168283	BMI1 PPI subnetwork
GO:0071383	cellular response to steroid hormone stimulus
GO:0016585	chromatin remodeling complex
ENSG00000136243	NUPL2 PPI subnetwork
ENSG00000100697	DICER1 PPI subnetwork
ENSG00000102384	CENPI PPI subnetwork
ENSG00000198648	STK39 PPI subnetwork
GO:0006376	mRNA splice site selection
ENSG00000198000	NOL8 PPI subnetwork
GO:0005001	transmembrane receptor protein tyrosine phosphatase activit
GO:0019198	transmembrane receptor protein phosphatase activity
MP:0001636	irregular heartbeat
ENSG00000134250	NOTCH2 PPI subnetwork
ENSG00000144554	FANCD2 PPI subnetwork
ENSG00000138029	HADHB PPI subnetwork
GO:0007030	Golgi organization
ENSG00000100142	POLR2F PPI subnetwork
ENSG00000105248	CCDC94 PPI subnetwork
ENSG00000183943	PRKX PPI subnetwork
ENSG00000101138	CSTF1 PPI subnetwork
ENSG00000123416	TUBA1B PPI subnetwork
GO:0001047	core promoter binding
MP:0008688	decreased interleukin-2 secretion
GO:0033177	proton-transporting two-sector ATPase complex, proton-trans

GO:0010469	regulation of receptor activity
ENSG00000139112	GABARAPL1 PPI subnetwork
ENSG00000089159	PXN PPI subnetwork
ENSG00000108654	DDX5 PPI subnetwork
ENSG00000215301	DDX3X PPI subnetwork
ENSG00000178562	CD28 PPI subnetwork
ENSG00000080503	SMARCA2 PPI subnetwork
MP:0010763	abnormal hematopoietic stem cell physiology
GO:0048193	Golgi vesicle transport
ENSG00000152518	ZFP36L2 PPI subnetwork
GO:0017048	Rho GTPase binding
ENSG00000124813	RUNX2 PPI subnetwork
ENSG00000206208	TAPBP PPI subnetwork
ENSG00000206281	TAPBP PPI subnetwork
ENSG00000112493	TAPBP PPI subnetwork
ENSG00000206298	PSMB8 PPI subnetwork
ENSG00000204264	PSMB8 PPI subnetwork
ENSG00000206234	ENSG00000206234 PPI subnetwork
GO:0006352	transcription initiation, DNA-dependent
MP:0008782	increased B cell apoptosis
ENSG00000116584	ARHGEF2 PPI subnetwork
GO:0030137	COPI-coated vesicle
GO:0000096	sulfur amino acid metabolic process
GO:0035770	ribonucleoprotein granule
ENSG00000117399	CDC20 PPI subnetwork
ENSG00000129691	ASH2L PPI subnetwork
GO:0043687	post-translational protein modification
ENSG00000147443	DOK2 PPI subnetwork
ENSG00000134109	EDEM1 PPI subnetwork
ENSG00000106546	AHR PPI subnetwork
MP:0004392	abnormal CD8-positive T cell physiology
ENSG00000065618	COL17A1 PPI subnetwork
ENSG00000100722	ZC3H14 PPI subnetwork
ENSG00000198569	SLC34A3 PPI subnetwork
ENSG00000167414	GNG8 PPI subnetwork
ENSG00000110876	SELPLG PPI subnetwork
ENSG00000163512	AZI2 PPI subnetwork
ENSG00000127914	AKAP9 PPI subnetwork
ENSG00000198873	GRK5 PPI subnetwork
GO:0044450	microtubule organizing center part
MP:0002177	abnormal outer ear morphology
GO:0008013	beta-catenin binding
ENSG00000101843	PSMD10 PPI subnetwork
MP:0009254	disorganized pancreatic islets
ENSG00000082074	FYB PPI subnetwork
ENSG00000117906	RCN2 PPI subnetwork
REACTOME_NEF_MEDIATED_DOWNREGUL	REACTOME_NEF_MEDIATED_DOWNREGULATION_OF_MHC_C
ENSG00000100028	SNRPD3 PPI subnetwork
GO:0071347	cellular response to interleukin-1
GO:0001570	vasculogenesis

ENSG00000122566	HNRNPA2B1 PPI subnetwork
MP:0001222	epidermal hyperplasia
ENSG00000170296	GABARAP PPI subnetwork
MP:0001526	abnormal placing response
REACTOME_MITOTIC_G1:G1S_PHASES	REACTOME_MITOTIC_G1:G1S_PHASES
ENSG00000074319	TSG101 PPI subnetwork
REACTOME_ASSOCIATION_OF_TRICCCT_WI	REACTOME_ASSOCIATION_OF_TRICCCT_WITH_TARGET_PROT
ENSG00000149636	DSN1 PPI subnetwork
ENSG00000167842	MIS12 PPI subnetwork
ENSG00000065268	WDR18 PPI subnetwork
GO:0004683	calmodulin-dependent protein kinase activity
GO:0015370	solute:sodium symporter activity
GO:0030324	lung development
ENSG00000174197	MGA PPI subnetwork
GO:0042176	regulation of protein catabolic process
ENSG00000115128	ENSG00000115128 PPI subnetwork
ENSG00000118058	MLL PPI subnetwork
MP:0010825	abnormal lung saccule morphology
ENSG00000152253	SPC25 PPI subnetwork
ENSG00000163539	CLASP2 PPI subnetwork
ENSG00000144580	RQCD1 PPI subnetwork
MP:0002912	abnormal excitatory postsynaptic potential
ENSG00000156467	UQCRB PPI subnetwork
ENSG00000009954	BAZ1B PPI subnetwork
ENSG00000124164	VAPB PPI subnetwork
ENSG00000160551	TAOK1 PPI subnetwork
GO:0044427	chromosomal part
ENSG00000175305	CCNE2 PPI subnetwork
ENSG00000111987	ENSG00000111987 PPI subnetwork
ENSG00000204392	LSM2 PPI subnetwork
ENSG00000172850	LSM2 PPI subnetwork
ENSG00000188612	SUMO2 PPI subnetwork
ENSG00000149532	CPSF7 PPI subnetwork
ENSG00000127928	GNGT1 PPI subnetwork
GO:0001706	endoderm formation
GO:0008373	sialyltransferase activity
ENSG00000134057	CCNB1 PPI subnetwork
ENSG00000101367	MAPRE1 PPI subnetwork
ENSG00000188223	LIN37 PPI subnetwork
ENSG00000198018	ENTPD7 PPI subnetwork
GO:0005798	Golgi-associated vesicle
ENSG00000126226	PCID2 PPI subnetwork
ENSG00000145907	G3BP1 PPI subnetwork
GO:0009791	post-embryonic development
ENSG00000138430	OLA1 PPI subnetwork
GO:0051098	regulation of binding
ENSG00000134308	YWHAQ PPI subnetwork
MP:0000298	absent atrioventricular cushions
ENSG00000138722	MMRN1 PPI subnetwork
REACTOME_NEPNS2_INTERACTS_WITH_TH	REACTOME_NEPNS2_INTERACTS_WITH_THE_CELLULAR_EXPC

ENSG00000070756	PABPC1 PPI subnetwork
ENSG00000100815	TRIP11 PPI subnetwork
GO:0030323	respiratory tube development
GO:0002377	immunoglobulin production
GO:0030666	endocytic vesicle membrane
REACTOME_EXPORT_OF_VIRAL_RIBONUCL	REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FRON
ENSG00000151148	UBE3B PPI subnetwork
GO:0042088	T-helper 1 type immune response
GO:0080135	regulation of cellular response to stress
REACTOME_ASPARAGINE_N:LINKED_GLYCC	REACTOME_ASPARAGINE_N:LINKED_GLYCOSYLATION
ENSG00000138297	TIMM23 PPI subnetwork
ENSG00000164742	ADCY1 PPI subnetwork
ENSG00000084234	APLP2 PPI subnetwork
ENSG00000112049	ENSG00000112049 PPI subnetwork
GO:0043122	regulation of I-kappaB kinase/NF-kappaB cascade
ENSG00000166579	NDEL1 PPI subnetwork
ENSG00000169016	E2F6 PPI subnetwork
GO:0051130	positive regulation of cellular component organization
ENSG00000176386	CDC26 PPI subnetwork
MP:0002059	abnormal seminal vesicle morphology
MP:0008174	decreased follicular B cell number
ENSG00000104960	PTOV1 PPI subnetwork
MP:0004974	decreased regulatory T cell number
GO:0050829	defense response to Gram-negative bacterium
GO:0071363	cellular response to growth factor stimulus
GO:0046651	lymphocyte proliferation
MP:0000194	hypercalcemia
GO:0006891	intra-Golgi vesicle-mediated transport
ENSG00000122966	CIT PPI subnetwork
GO:0004112	cyclic-nucleotide phosphodiesterase activity
KEGG_PENTOSE_AND_GLUCURONATE_INTI	KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS
MP:0000759	abnormal skeletal muscle morphology
GO:0006775	fat-soluble vitamin metabolic process
ENSG00000153006	SREK1IP1 PPI subnetwork
ENSG00000074047	GLI2 PPI subnetwork
REACTOME_SEMA4D_INDUCED_CELL_MIGI	REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GRC
MP:0000164	abnormal cartilage development
GO:0043174	nucleoside salvage
ENSG00000115325	DOK1 PPI subnetwork
GO:0015939	pantothenate metabolic process
REACTOME_APCCCDH1_MEDIATED_DEGRA	REACTOME_APCCCDH1_MEDIATED_DEGRADATION_OF_CDC2
GO:0009225	nucleotide-sugar metabolic process
GO:0002756	MyD88-independent toll-like receptor signaling pathway
ENSG00000138081	FBXO11 PPI subnetwork
MP:0006359	absent startle reflex
MP:0004783	abnormal cardinal vein morphology
GO:0016528	sarcoplasm
ENSG00000137815	RTF1 PPI subnetwork
ENSG00000128524	ATP6V1F PPI subnetwork
MP:0004351	short humerus

MP:0002168	other aberrant phenotype
MP:0002216	abnormal seminiferous tubule morphology
GO:0005813	centrosome
ENSG00000184357	HIST1H1B PPI subnetwork
ENSG00000198380	GFPT1 PPI subnetwork
ENSG00000163879	DNALI1 PPI subnetwork
ENSG00000173702	MUC13 PPI subnetwork
GO:0072663	establishment of protein localization to peroxisome
GO:0072662	protein localization to peroxisome
GO:0006625	protein targeting to peroxisome
ENSG00000100316	RPL3 PPI subnetwork
GO:0005243	gap junction channel activity
GO:0000780	condensed nuclear chromosome, centromeric region
ENSG00000004897	CDC27 PPI subnetwork
MP:0003850	abnormal thymocyte activation
ENSG00000198523	PLN PPI subnetwork
ENSG00000172977	KAT5 PPI subnetwork
ENSG00000136152	COG3 PPI subnetwork
GO:0016810	hydrolase activity, acting on carbon-nitrogen (but not peptide)
ENSG00000182287	AP1S2 PPI subnetwork
GO:0031253	cell projection membrane
ENSG00000127922	SHFM1 PPI subnetwork
ENSG00000163516	ANKZF1 PPI subnetwork
REACTOME_DCC_MEDIATED_ATTRACTIVE_	REACTOME_DCC_MEDIATED_ATTRACTIVE_SIGNALING
MP:0004965	inner cell mass degeneration
GO:0009409	response to cold
ENSG00000115750	TAF1B PPI subnetwork
ENSG00000106462	EZH2 PPI subnetwork
ENSG00000107341	UBE2R2 PPI subnetwork
ENSG00000120875	DUSP4 PPI subnetwork
ENSG00000125482	TTF1 PPI subnetwork
ENSG00000067057	PFKP PPI subnetwork
ENSG00000056558	TRAF1 PPI subnetwork
MP:0002144	abnormal B cell differentiation
ENSG00000161888	SPC24 PPI subnetwork
ENSG00000043462	LCP2 PPI subnetwork
REACTOME_CYCLIN_ACDK2:ASSOCIATED_E	REACTOME_CYCLIN_ACDK2:ASSOCIATED_EVENTS_AT_S_PHAS
ENSG00000198910	L1CAM PPI subnetwork
ENSG00000086758	HUWE1 PPI subnetwork
ENSG00000078142	PIK3C3 PPI subnetwork
GO:0030120	vesicle coat
ENSG00000015153	YAF2 PPI subnetwork
ENSG00000116001	TIA1 PPI subnetwork
MP:0003560	osteoarthritis
ENSG00000099308	MAST3 PPI subnetwork
MP:0011089	complete perinatal lethality
ENSG00000125351	UPF3B PPI subnetwork
ENSG00000211895	ENSG00000211895 PPI subnetwork
GO:0004114	3',5'-cyclic-nucleotide phosphodiesterase activity
GO:0016675	oxidoreductase activity, acting on a heme group of donors

ENSG00000170727	BOP1 PPI subnetwork
GO:0016814	hydrolase activity, acting on carbon-nitrogen (but not peptide)
GO:0000790	nuclear chromatin
ENSG00000157933	SKI PPI subnetwork
ENSG00000197616	MYH6 PPI subnetwork
GO:0007264	small GTPase mediated signal transduction
ENSG00000120709	FAM53C PPI subnetwork
ENSG00000152583	SPARCL1 PPI subnetwork
ENSG00000102189	EEA1 PPI subnetwork
ENSG00000076924	XAB2 PPI subnetwork
KEGG_NATURAL_KILLER_CELL_MEDIATED_(	KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY
GO:0070003	threonine-type peptidase activity
GO:0004298	threonine-type endopeptidase activity
ENSG00000107371	EXOSC3 PPI subnetwork
ENSG00000166451	CENPN PPI subnetwork
ENSG00000169251	NMD3 PPI subnetwork
GO:0070330	aromatase activity
ENSG00000128609	NDUFA5 PPI subnetwork
REACTOME_CYCLIN_E_ASSOCIATED_EVENT	REACTOME_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1S_T
ENSG00000118513	MYB PPI subnetwork
GO:0010863	positive regulation of phospholipase C activity
MP:0008214	increased immature B cell number
ENSG00000166411	IDH3A PPI subnetwork
ENSG00000010244	ZNF207 PPI subnetwork
MP:0000926	absent floor plate
GO:0015749	monosaccharide transport
GO:0005099	Ras GTPase activator activity
GO:0048066	developmental pigmentation
ENSG00000170144	HNRNPA3 PPI subnetwork
ENSG00000167986	DDB1 PPI subnetwork
ENSG00000059769	DNAJC25 PPI subnetwork
ENSG00000206300	ENSG00000206300 PPI subnetwork
ENSG00000204435	CSNK2B PPI subnetwork
ENSG00000206406	CSNK2B PPI subnetwork
ENSG00000148672	GLUD1 PPI subnetwork
ENSG00000177954	RPS27 PPI subnetwork
ENSG00000130041	ENSG00000130041 PPI subnetwork
GO:0031669	cellular response to nutrient levels
GO:0046649	lymphocyte activation
ENSG00000176248	ANAPC2 PPI subnetwork
MP:0002359	abnormal spleen germinal center morphology
ENSG00000102144	PGK1 PPI subnetwork
ENSG00000171421	MRPL36 PPI subnetwork
ENSG00000161395	PGAP3 PPI subnetwork
GO:0008237	metallopeptidase activity
MP:0003077	abnormal cell cycle
REACTOME_RECYCLING_PATHWAY_OF_L1	REACTOME_RECYCLING_PATHWAY_OF_L1
ENSG00000094914	AAAS PPI subnetwork
GO:0030133	transport vesicle
MP:0001806	decreased IgM level

ENSG00000160789	LMNA PPI subnetwork
ENSG00000134215	VAV3 PPI subnetwork
GO:0016780	phosphotransferase activity, for other substituted phosphate g
ENSG00000175792	RUVBL1 PPI subnetwork
GO:0016624	oxidoreductase activity, acting on the aldehyde or oxo group c
GO:0043900	regulation of multi-organism process
GO:0005689	U12-type spliceosomal complex
MP:0002818	abnormal dentin morphology
ENSG00000171791	BCL2 PPI subnetwork
GO:0050670	regulation of lymphocyte proliferation
ENSG00000108504	ENSG00000108504 PPI subnetwork
MP:0001286	abnormal eye development
ENSG00000126001	CEP250 PPI subnetwork
GO:0051604	protein maturation
GO:0017002	activin-activated receptor activity
ENSG00000101182	PSMA7 PPI subnetwork
GO:0045351	type I interferon biosynthetic process
REACTOME_SCFSKP2:MEDIATED_DEGRADA	REACTOME_SCFSKP2:MEDIATED_DEGRADATION_OF_P27P21
ENSG00000151729	SLC25A4 PPI subnetwork
GO:0032312	regulation of ARF GTPase activity
MP:0008479	decreased spleen white pulp amount
MP:0009230	abnormal sperm head morphology
REACTOME_SHC:MEDIATED_CASCADE	REACTOME_SHC:MEDIATED_CASCADE
REACTOME_G0_AND_EARLY_G1	REACTOME_G0_AND_EARLY_G1
MP:0000359	abnormal mast cell morphology
ENSG00000079335	CDC14A PPI subnetwork
ENSG00000087088	BAX PPI subnetwork
GO:0000030	mannosyltransferase activity
ENSG00000133316	WDR74 PPI subnetwork
ENSG00000100304	TTLL12 PPI subnetwork
ENSG00000113456	RAD1 PPI subnetwork
GO:0050795	regulation of behavior
GO:0005681	spliceosomal complex
KEGG_GRAFT_VERSUS_HOST_DISEASE	KEGG_GRAFT_VERSUS_HOST_DISEASE
ENSG00000130340	SNX9 PPI subnetwork
ENSG00000101413	RPRD1B PPI subnetwork
REACTOME_MRNA_SPLICING_:_MINOR_PA	REACTOME_MRNA_SPLICING_:_MINOR_PATHWAY
GO:0032835	glomerulus development
MP:0008211	decreased mature B cell number
MP:0004567	decreased myocardial fiber number
REACTOME_TRAF3:DEPENDENT_IRF_ACTIV	REACTOME_TRAF3:DEPENDENT_IRF_ACTIVATION_PATHWAY
GO:0016485	protein processing
ENSG00000111445	RFC5 PPI subnetwork
MP:0005269	abnormal occipital bone morphology
ENSG00000119041	GTF3C3 PPI subnetwork
ENSG00000077312	SNRPA PPI subnetwork
ENSG00000125835	SNRPB PPI subnetwork
ENSG00000154473	BUB3 PPI subnetwork
ENSG00000134363	FST PPI subnetwork
ENSG00000170515	PA2G4 PPI subnetwork

GO:0043372	positive regulation of CD4-positive, alpha-beta T cell differenti
GO:2000516	positive regulation of CD4-positive, alpha-beta T cell activatior
REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_	REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_REPLICATION_AND
MP:0000088	short mandible
ENSG00000134453	RBM17 PPI subnetwork
ENSG00000151725	MLF1IP PPI subnetwork
REACTOME_SCF:BETA:TRCP_MEDIATED_DE	REACTOME_SCF:BETA:TRCP_MEDIATED_DEGRADATION_OF_E
MP:0004978	decreased B-1 B cell number
GO:0009593	detection of chemical stimulus
GO:0050680	negative regulation of epithelial cell proliferation
REACTOME_CD28_DEPENDENT_VAV1_PAT	REACTOME_CD28_DEPENDENT_VAV1_PATHWAY
ENSG00000185619	PCGF3 PPI subnetwork
MP:0002784	abnormal Sertoli cell morphology
GO:0051251	positive regulation of lymphocyte activation
ENSG00000177485	ZBTB33 PPI subnetwork
GO:0050686	negative regulation of mRNA processing
ENSG00000168477	TNXB PPI subnetwork
ENSG00000204673	AKT1S1 PPI subnetwork
GO:0015172	acidic amino acid transmembrane transporter activity
REACTOME_NUCLEAR_IMPORT_OF_REV_PI	REACTOME_NUCLEAR_IMPORT_OF_REV_PROTEIN
MP:0008518	retinal outer nuclear layer degeneration
GO:0019003	GDP binding
ENSG00000156970	BUB1B PPI subnetwork
ENSG00000136813	KIAA0368 PPI subnetwork
GO:0032944	regulation of mononuclear cell proliferation
MP:0000018	small ears
MP:0010701	fusion of atlas and odontoid process
GO:0003690	double-stranded DNA binding
ENSG00000182481	KPNA2 PPI subnetwork
ENSG00000215769	ENSG00000215769 PPI subnetwork
MP:0000467	abnormal esophagus morphology
GO:0022029	telencephalon cell migration
GO:0048024	regulation of nuclear mRNA splicing, via spliceosome
GO:0006368	transcription elongation from RNA polymerase II promoter
ENSG00000049540	ELN PPI subnetwork
ENSG00000196136	SERPINA3 PPI subnetwork
ENSG00000168067	MAP4K2 PPI subnetwork
MP:0006126	abnormal outflow tract development
GO:0033865	nucleoside bisphosphate metabolic process
REACTOME_SHC1_EVENTS_IN_ERBB4_SIGN	REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING
ENSG00000141522	ARHGDIA PPI subnetwork
ENSG00000111358	GTF2H3 PPI subnetwork
ENSG00000108055	SMC3 PPI subnetwork
ENSG00000172301	C17orf79 PPI subnetwork
ENSG00000106125	FAM188B PPI subnetwork
ENSG00000141655	TNFRSF11A PPI subnetwork
ENSG00000002822	MAD1L1 PPI subnetwork
ENSG00000154518	ATP5G3 PPI subnetwork
KEGG_AUTOIMMUNE_THYROID_DISEASE	KEGG_AUTOIMMUNE_THYROID_DISEASE
ENSG00000026103	FAS PPI subnetwork

ENSG00000158186	MRAS PPI subnetwork
REACTOME_UBIQUITIN_MEDIATED_DEGRA	REACTOME_UBIQUITIN_MEDIATED_DEGRADATION_OF_PHOS
REACTOME_P53:INDEPENDENT_G1S_DNA_	REACTOME_P53:INDEPENDENT_G1S_DNA_DAMAGE_CHECKP
REACTOME_P53:INDEPENDENT_DNA_DAM	REACTOME_P53:INDEPENDENT_DNA_DAMAGE_RESPONSE
ENSG00000131149	KIAA0182 PPI subnetwork
ENSG00000175279	APITD1 PPI subnetwork
ENSG00000164975	SNAPC3 PPI subnetwork
KEGG_MAPK_SIGNALING_PATHWAY	KEGG_MAPK_SIGNALING_PATHWAY
ENSG00000092203	TOX4 PPI subnetwork
ENSG00000203879	GDI1 PPI subnetwork
GO:0006536	glutamate metabolic process
MP:0004568	fusion of glossopharyngeal and vagus nerve
MP:0000167	decreased chondrocyte cell number
ENSG00000188342	GTF2F2 PPI subnetwork
GO:0045582	positive regulation of T cell differentiation
ENSG00000127191	TRAF2 PPI subnetwork
REACTOME_PKA:MEDIATED_PHOSPHORYL/	REACTOME_PKA:MEDIATED_PHOSPHORYLATION_OF_CREB
ENSG00000108424	KPNB1 PPI subnetwork
MP:0006303	abnormal retinal nerve fiber layer morphology
ENSG00000130810	PPAN PPI subnetwork
MP:0001314	corneal opacity
ENSG00000148835	TAF5 PPI subnetwork
ENSG00000163602	RYBP PPI subnetwork
ENSG00000030066	NUP160 PPI subnetwork
GO:0006613	cotranslational protein targeting to membrane
MP:0005566	decreased blood urea nitrogen level
GO:0000123	histone acetyltransferase complex
ENSG00000140307	GTF2A2 PPI subnetwork
ENSG00000099817	POLR2E PPI subnetwork
ENSG00000138439	FAM117B PPI subnetwork
GO:0042093	T-helper cell differentiation
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in imm
ENSG00000039068	CDH1 PPI subnetwork
GO:0050868	negative regulation of T cell activation
GO:0006026	aminoglycan catabolic process
ENSG00000125378	BMP4 PPI subnetwork
ENSG00000137171	KLC4 PPI subnetwork
ENSG00000140575	IQGAP1 PPI subnetwork
ENSG00000136628	EPRS PPI subnetwork
GO:0015931	nucleobase-containing compound transport
REACTOME_CGMP_EFFECTS	REACTOME_CGMP_EFFECTS
KEGG_RNA_DEGRADATION	KEGG_RNA_DEGRADATION
GO:0050839	cell adhesion molecule binding
GO:0045624	positive regulation of T-helper cell differentiation
ENSG00000143702	CEP170 PPI subnetwork
ENSG00000135486	HNRNPA1 PPI subnetwork
ENSG00000137834	SMAD6 PPI subnetwork
REACTOME_CROSS:PRESENTATION_OF_SOI	REACTOME_CROSS:PRESENTATION_OF_SOLUBLE_EXOGENOU
GO:0016741	transferase activity, transferring one-carbon groups
GO:0046578	regulation of Ras protein signal transduction

ENSG00000180138	CSNK1A1L PPI subnetwork
MP:0006027	impaired lung alveolus development
GO:2000736	regulation of stem cell differentiation
ENSG00000196712	NF1 PPI subnetwork
ENSG00000185049	WHSC2 PPI subnetwork
ENSG00000153071	DAB2 PPI subnetwork
GO:0032321	positive regulation of Rho GTPase activity
ENSG00000175602	CCDC85B PPI subnetwork
MP:0003120	abnormal tracheal cartilage morphology
MP:0000709	enlarged thymus
ENSG00000168118	RAB4A PPI subnetwork
ENSG00000091127	PUS7 PPI subnetwork
ENSG00000184270	HIST2H2AB PPI subnetwork
MP:0003451	absent olfactory bulb
ENSG00000123358	NR4A1 PPI subnetwork
GO:0043901	negative regulation of multi-organism process
ENSG00000176406	RIMS2 PPI subnetwork
ENSG00000095319	NUP188 PPI subnetwork
MP:0004678	split xiphoid process
MP:0000379	decreased hair follicle number
ENSG00000124198	ARFGEF2 PPI subnetwork
REACTOME_MTOR_SIGNALLING	REACTOME_MTOR_SIGNALLING
ENSG00000138069	RAB1A PPI subnetwork
ENSG00000089250	NOS1 PPI subnetwork
ENSG00000158864	NDUFS2 PPI subnetwork
GO:0005484	SNAP receptor activity
REACTOME_ADP_SIGNALLING_THROUGH_F	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTC
ENSG00000095380	NANS PPI subnetwork
ENSG00000197448	GSTK1 PPI subnetwork
GO:0043392	negative regulation of DNA binding
ENSG00000119203	CPSF3 PPI subnetwork
ENSG00000069956	MAPK6 PPI subnetwork
ENSG00000141034	C17orf39 PPI subnetwork
ENSG00000073910	FRY PPI subnetwork
GO:0034762	regulation of transmembrane transport
GO:0043484	regulation of RNA splicing
ENSG00000177700	POLR2L PPI subnetwork
GO:0006984	ER-nucleus signaling pathway
MP:0002904	increased circulating parathyroid hormone level
ENSG00000197498	RPF2 PPI subnetwork
MP:0008056	abnormal retinal ganglion cell morphology
ENSG00000177688	SUMO4 PPI subnetwork
ENSG00000179899	ENSG00000179899 PPI subnetwork
ENSG00000111961	SASH1 PPI subnetwork
ENSG00000100395	L3MBTL2 PPI subnetwork
MP:0002572	abnormal emotion/affect behavior
ENSG00000099725	ENSG00000099725 PPI subnetwork
KEGG_ONE_CARBON_POOL_BY_FOLATE	KEGG_ONE_CARBON_POOL_BY_FOLATE
GO:0016050	vesicle organization
KEGG_REGULATION_OF_ACTIN_CYTOSKELE	KEGG_REGULATION_OF_ACTIN_CYTOSKELETON

ENSG00000151224	MAT1A PPI subnetwork
ENSG00000112159	MDN1 PPI subnetwork
ENSG00000101966	XIAP PPI subnetwork
REACTOME_CALNEXINCALRETICULIN_CYCLI	REACTOME_CALNEXINCALRETICULIN_CYCLE
REACTOME_G_ALPHA_Q_SIGNALLING_EVE	REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS
MP:0011087	complete neonatal lethality
GO:0051196	regulation of coenzyme metabolic process
GO:0051193	regulation of cofactor metabolic process
ENSG00000159720	ATP6V0D1 PPI subnetwork
MP:0003139	patent ductus arteriosus
GO:0042158	lipoprotein biosynthetic process
ENSG00000084463	WBP11 PPI subnetwork
ENSG00000111653	ING4 PPI subnetwork
GO:0005819	spindle
ENSG00000085832	EPS15 PPI subnetwork
ENSG00000080986	NDC80 PPI subnetwork
ENSG00000128829	EIF2AK4 PPI subnetwork
ENSG00000089737	DDX24 PPI subnetwork
ENSG00000077348	EXOSC5 PPI subnetwork
ENSG00000160307	S100B PPI subnetwork
ENSG00000117461	PIK3R3 PPI subnetwork
ENSG00000175063	UBE2C PPI subnetwork
REACTOME_G_ALPHA_S_SIGNALLING_EVEI	REACTOME_G_ALPHA_S_SIGNALLING_EVENTS
ENSG00000105810	CDK6 PPI subnetwork
ENSG00000152684	PELO PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES
MP:0006269	abnormal mammary gland growth during pregnancy
GO:0010001	glial cell differentiation
MP:0005241	abnormal retinal ganglion layer morphology
MP:0003892	abnormal gastric gland morphology
ENSG00000133101	CCNA1 PPI subnetwork
MP:0006069	abnormal retinal neuronal layer morphology
REACTOME_METABOLISM_OF_NUCLEOTID	REACTOME_METABOLISM_OF_NUCLEOTIDES
ENSG00000073756	PTGS2 PPI subnetwork
GO:0005545	1-phosphatidylinositol binding
GO:0005154	epidermal growth factor receptor binding
ENSG00000206266	ENSG00000206266 PPI subnetwork
ENSG00000204348	DOM3Z PPI subnetwork
ENSG00000206346	DOM3Z PPI subnetwork
ENSG00000132470	ITGB4 PPI subnetwork
ENSG00000122140	MRPS2 PPI subnetwork
MP:0002857	cochlear ganglion degeneration
ENSG00000146007	ZMAT2 PPI subnetwork
ENSG00000014216	CAPN1 PPI subnetwork
ENSG00000117450	PRDX1 PPI subnetwork
GO:0016469	proton-transporting two-sector ATPase complex
GO:0007033	vacuole organization
ENSG00000155561	NUP205 PPI subnetwork
REACTOME_CELL_CYCLE	REACTOME_CELL_CYCLE
GO:0046637	regulation of alpha-beta T cell differentiation

REACTOME_VIRAL_MESSENGER_RNA_SYNT	REACTOME_VIRAL_MESSENGER_RNA_SYNTHESIS
REACTOME_INTERLEUKIN_RECEPTOR_SHC_	REACTOME_INTERLEUKIN_RECEPTOR_SHC_SIGNALING
ENSG00000067048	DDX3Y PPI subnetwork
GO:0016811	hydrolase activity, acting on carbon-nitrogen (but not peptide)
ENSG00000139144	PIK3C2G PPI subnetwork
ENSG00000137500	CCDC90B PPI subnetwork
REACTOME_REGULATION_OF_SIGNALING_	REACTOME_REGULATION_OF_SIGNALING_BY_CBL
ENSG00000089280	FUS PPI subnetwork
ENSG00000137154	RPS6 PPI subnetwork
MP:0002752	abnormal somatic nervous system morphology
ENSG00000174720	LARP7 PPI subnetwork
GO:0021795	cerebral cortex cell migration
MP:0004763	absent brainstem auditory evoked potential
REACTOME_APCC:MEDIATED_DEGRADATIC	REACTOME_APCC:MEDIATED_DEGRADATION_OF_CELL_CYCLI
REACTOME_REGULATION_OF_MITOTIC_CE	REACTOME_REGULATION_OF_MITOTIC_CELL_CYCLE
ENSG00000079739	PGM1 PPI subnetwork
REACTOME_AUTODEGRADATION_OF_CDH1	REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1APCC
ENSG00000105438	KDELR1 PPI subnetwork
GO:0050714	positive regulation of protein secretion
GO:0032319	regulation of Rho GTPase activity
MP:0001157	small seminal vesicle
ENSG00000185499	MUC1 PPI subnetwork
ENSG00000127329	PTPRB PPI subnetwork
GO:0046961	proton-transporting ATPase activity, rotational mechanism
ENSG00000164327	RICTOR PPI subnetwork
MP:0008481	increased spleen germinal center number
GO:0016831	carboxy-lyase activity
GO:0042108	positive regulation of cytokine biosynthetic process
MP:0009142	decreased prepulse inhibition
GO:0042063	gliogenesis
MP:0001183	overexpanded pulmonary alveoli
GO:0000152	nuclear ubiquitin ligase complex
ENSG00000023608	SNAPC1 PPI subnetwork
MP:0010019	liver vascular congestion
ENSG00000162889	MAPKAPK2 PPI subnetwork
ENSG00000130177	CDC16 PPI subnetwork
MP:0001891	hydroencephaly
ENSG00000058600	POLR3E PPI subnetwork
GO:0015879	carnitine transport
GO:0015838	betaine transport
MP:0002543	brachyphalangia
REACTOME_ACTIVATION_OF_APCC_AND_A	REACTOME_ACTIVATION_OF_APCC_AND_APCCDC20_MEDIA
ENSG00000127511	SIN3B PPI subnetwork
ENSG00000058335	RASGRF1 PPI subnetwork
ENSG00000109846	CRYAB PPI subnetwork
GO:0042744	hydrogen peroxide catabolic process
ENSG00000168214	RBPJ PPI subnetwork
GO:0043367	CD4-positive, alpha-beta T cell differentiation
ENSG00000102901	CENPT PPI subnetwork
ENSG00000133895	MEN1 PPI subnetwork

ENSG00000215021	PHB2 PPI subnetwork
ENSG00000112526	ENSG00000112526 PPI subnetwork
ENSG00000204256	BRD2 PPI subnetwork
ENSG00000215077	BRD2 PPI subnetwork
ENSG00000185008	ROBO2 PPI subnetwork
MP:0001158	abnormal prostate gland morphology
ENSG00000139132	FGD4 PPI subnetwork
GO:0032095	regulation of response to food
ENSG00000118495	PLAGL1 PPI subnetwork
ENSG00000025293	PHF20 PPI subnetwork
REACTOME_CDK:MEDIATED_PHOSPHORYL/	REACTOME_CDK:MEDIATED_PHOSPHORYLATION_AND_REMC
ENSG00000178105	DDX10 PPI subnetwork
REACTOME_METABOLISM_OF_MRNA	REACTOME_METABOLISM_OF_MRNA
ENSG00000108848	LUC7L3 PPI subnetwork
GO:0017144	drug metabolic process
MP:0002199	abnormal brain commissure morphology
GO:0021549	cerebellum development
MP:0001327	decreased retinal photoreceptor cell number
ENSG00000116830	TTF2 PPI subnetwork
ENSG00000139613	SMARCC2 PPI subnetwork
GO:0032204	regulation of telomere maintenance
GO:0005758	mitochondrial intermembrane space
GO:0002062	chondrocyte differentiation
REACTOME_FORMATION_OF_HIV:1_ELONC	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX_
REACTOME_HIV:1_TRANSCRIPTION_ELONG	REACTOME_HIV:1_TRANSCRIPTION_ELONGATION
REACTOME_TAT:MEDIATED_ELONGATION_	REACTOME_TAT:MEDIATED_ELONGATION_OF_THE_HIV:1_TR
REACTOME_THE_CITRIC_ACID_TCA_CYCLE_	REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_RESPIRATOR
GO:0008168	methyltransferase activity
GO:0043204	perikaryon
ENSG00000204655	MOG PPI subnetwork
ENSG00000137345	MOG PPI subnetwork
ENSG00000206456	ENSG00000206456 PPI subnetwork
GO:0019932	second-messenger-mediated signaling
MP:0008495	decreased IgG1 level
ENSG00000177189	RPS6KA3 PPI subnetwork
GO:0070663	regulation of leukocyte proliferation
ENSG00000160201	U2AF1 PPI subnetwork
REACTOME_PD:1_SIGNALING	REACTOME_PD:1_SIGNALING
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_KERATAN_SULF
GO:0002712	regulation of B cell mediated immunity
ENSG00000133706	LARS PPI subnetwork
REACTOME_REGULATION_OF_APCC_ACTIV	REACTOME_REGULATION_OF_APCC_ACTIVATORS_BETWEEN_
GO:0046660	female sex differentiation
ENSG00000151461	UPF2 PPI subnetwork
GO:0000139	Golgi membrane
GO:0031640	killing of cells of other organism
MP:0002882	abnormal neuron morphology
ENSG00000114126	TFDP2 PPI subnetwork
ENSG00000205339	IPO7 PPI subnetwork
MP:0002027	lung adenocarcinoma

ENSG00000163349	HIPK1 PPI subnetwork
ENSG00000134588	USP26 PPI subnetwork
ENSG00000100345	MYH9 PPI subnetwork
ENSG00000107758	PPP3CB PPI subnetwork
ENSG00000060688	SNRNP40 PPI subnetwork
GO:0015697	quaternary ammonium group transport
ENSG00000213619	NDUFS3 PPI subnetwork
GO:0045191	regulation of isotype switching
ENSG00000167005	NUDT21 PPI subnetwork
GO:0005871	kinesin complex
GO:0021885	forebrain cell migration
ENSG00000146232	NFKBIE PPI subnetwork
MP:0000820	abnormal choroid plexus morphology
GO:0045682	regulation of epidermis development
MP:0000149	abnormal scapula morphology
GO:0002287	alpha-beta T cell activation involved in immune response
GO:0002293	alpha-beta T cell differentiation involved in immune response
GO:0050671	positive regulation of lymphocyte proliferation
ENSG00000177733	HNRNPA0 PPI subnetwork
ENSG00000135365	PHF21A PPI subnetwork
ENSG00000105402	NAPA PPI subnetwork
ENSG00000133059	DSTYK PPI subnetwork
GO:0060053	neurofilament cytoskeleton
ENSG00000055130	CUL1 PPI subnetwork
MP:0005423	abnormal somatic nervous system physiology
ENSG00000145912	NHP2 PPI subnetwork
GO:0017119	Golgi transport complex
REACTOME_PHOSPHOLIPASE_C:MEDIATED_	REACTOME_PHOSPHOLIPASE_C:MEDIATED_CASCADE
ENSG00000106028	SSBP1 PPI subnetwork
ENSG00000179051	RCC2 PPI subnetwork
ENSG00000071051	NCK2 PPI subnetwork
KEGG_FC_EPSILON_RI_SIGNALING_PATHW	KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY
GO:0050764	regulation of phagocytosis
ENSG00000154710	RABGEF1 PPI subnetwork
GO:0000922	spindle pole
MP:0005018	decreased T cell number
ENSG00000082397	EPB41L3 PPI subnetwork
MP:0003048	abnormal cervical vertebrae morphology
GO:0035710	CD4-positive, alpha-beta T cell activation
ENSG00000180370	PAK2 PPI subnetwork
MP:0000351	increased cell proliferation
GO:0070665	positive regulation of leukocyte proliferation
MP:0003718	maternal effect
GO:0042455	ribonucleoside biosynthetic process
GO:0042451	purine nucleoside biosynthetic process
GO:0046129	purine ribonucleoside biosynthetic process
GO:0035601	protein deacylation
ENSG00000106588	PSMA2 PPI subnetwork
GO:0007492	endoderm development
REACTOME_NEGATIVE_REGULATORS_OF_F	REACTOME_NEGATIVE_REGULATORS_OF_RIG:IMDA5_SIGNAL

MP:0004231	abnormal calcium ion homeostasis
MP:0002813	microcytosis
REACTOME_LYSOSOME_VESICLE_BIOGENES	REACTOME_LYSOSOME_VESICLE_BIOGENESIS
ENSG00000163932	PRKCD PPI subnetwork
ENSG00000055163	CYFIP2 PPI subnetwork
MP:0011501	increased glomerular capsule space
GO:0005085	guanyl-nucleotide exchange factor activity
ENSG00000102572	STK24 PPI subnetwork
ENSG00000061987	MON2 PPI subnetwork
ENSG00000185024	BRF1 PPI subnetwork
MP:0005079	defective cytotoxic T cell cytolysis
ENSG00000175073	VCPIP1 PPI subnetwork
ENSG00000180353	HCLS1 PPI subnetwork
ENSG00000159166	LAD1 PPI subnetwork
GO:0015695	organic cation transport
ENSG00000139197	PEX5 PPI subnetwork
MP:0000462	abnormal digestive system morphology
ENSG00000182004	SNRPE PPI subnetwork
MP:0001156	abnormal spermatogenesis
ENSG00000174622	ENSG00000174622 PPI subnetwork
ENSG00000117592	PRDX6 PPI subnetwork
ENSG00000147274	RBMX PPI subnetwork
GO:0002889	regulation of immunoglobulin mediated immune response
MP:0005215	abnormal pancreatic islet morphology
ENSG00000166407	LMO1 PPI subnetwork
GO:0034138	toll-like receptor 3 signaling pathway
MP:0002675	asthenozoospermia
ENSG00000165525	NEMF PPI subnetwork
MP:0005405	axon degeneration
MP:0000733	abnormal muscle development
ENSG00000163938	GNL3 PPI subnetwork
GO:0042287	MHC protein binding
ENSG00000111641	NOP2 PPI subnetwork
REACTOME_SWITCHING_OF_ORIGINS_TO_	REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST:REPLICATI
REACTOME_ORC1_REMOVAL_FROM_CHRC	REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
ENSG00000107560	RAB11FIP2 PPI subnetwork
MP:0000137	abnormal vertebrae morphology
ENSG00000184922	FMNL1 PPI subnetwork
MP:0002145	abnormal T cell differentiation
MP:0001807	decreased IgA level
ENSG00000156675	RAB11FIP1 PPI subnetwork
GO:0060393	regulation of pathway-restricted SMAD protein phosphorylatic
REACTOME_P75NTR_SIGNALS_VIA_NF:KB	REACTOME_P75NTR_SIGNALS_VIA_NF:KB
ENSG00000149136	SSRP1 PPI subnetwork
ENSG00000051382	PIK3CB PPI subnetwork
GO:0032946	positive regulation of mononuclear cell proliferation
ENSG00000115211	EIF2B4 PPI subnetwork
ENSG00000077454	LRCH4 PPI subnetwork
ENSG00000205307	SAP25 PPI subnetwork
GO:0032153	cell division site

GO:0032155	cell division site part
GO:0008017	microtubule binding
ENSG00000138795	LEF1 PPI subnetwork
MP:0002229	neurodegeneration
ENSG00000171603	CLSTN1 PPI subnetwork
ENSG00000105939	ZC3HAV1 PPI subnetwork
REACTOME_POST:TRANSLATIONAL_MODIF	REACTOME_POST:TRANSLATIONAL_MODIFICATION_SYNTHES
ENSG00000015479	MATR3 PPI subnetwork
MP:0000746	weakness
ENSG00000185236	RAB11B PPI subnetwork
ENSG00000161960	EIF4A1 PPI subnetwork
ENSG00000124762	CDKN1A PPI subnetwork
ENSG00000140481	CCDC33 PPI subnetwork
ENSG00000126247	CAPNS1 PPI subnetwork
GO:0002218	activation of innate immune response
ENSG00000137413	TAF8 PPI subnetwork
GO:0031490	chromatin DNA binding
ENSG00000136160	EDNRB PPI subnetwork
GO:0048638	regulation of developmental growth
REACTOME_PURINE_METABOLISM	REACTOME_PURINE_METABOLISM
GO:0005313	L-glutamate transmembrane transporter activity
ENSG00000143520	FLG2 PPI subnetwork
ENSG00000125991	ERGIC3 PPI subnetwork
GO:0051480	cytosolic calcium ion homeostasis
GO:0006721	terpenoid metabolic process
KEGG_PRIMARY_IMMUNODEFICIENCY	KEGG_PRIMARY_IMMUNODEFICIENCY
REACTOME_JNK_C:JUN_KINASES_PHOSPHO	REACTOME_JNK_C:JUN_KINASES_PHOSPHORYLATION_AND__
ENSG00000152700	SAR1B PPI subnetwork
GO:0043062	extracellular structure organization
GO:0030198	extracellular matrix organization
ENSG00000054611	TBC1D22A PPI subnetwork
ENSG00000131652	THOC6 PPI subnetwork
GO:0043410	positive regulation of MAPK cascade
ENSG00000162231	NXF1 PPI subnetwork
ENSG00000181789	COPG PPI subnetwork
GO:0090287	regulation of cellular response to growth factor stimulus
MP:0001422	abnormal drinking behavior
ENSG00000132341	RAN PPI subnetwork
ENSG00000167110	GOLGA2 PPI subnetwork
REACTOME_TRANSPORT_OF_RIBONUCLEOI	REACTOME_TRANSPORT_OF_RIBONUCLEOPROTEINS_INTO_T
ENSG00000152056	AP1S3 PPI subnetwork
MP:0000079	abnormal basioccipital bone morphology
MP:0008497	decreased IgG2b level
ENSG00000163032	VSNL1 PPI subnetwork
MP:0000102	abnormal nasal bone morphology
REACTOME_G1S_TRANSITION	REACTOME_G1S_TRANSITION
REACTOME_REGULATION_OF_ACTIVATED_	REACTOME_REGULATION_OF_ACTIVATED_PAK:2P34_BY_PRC
MP:0010377	abnormal gut flora balance
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_ELONGAT
REACTOME_FORMATION_OF_RNA_POL_II_	REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COI

REACTOME_FORMATION_OF_HIV:1_ELONG	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX
GO:0030118	clathrin coat
ENSG00000171311	EXOSC1 PPI subnetwork
REACTOME_FGFR_LIGAND_BINDING_AND_	REACTOME_FGFR_LIGAND_BINDING_AND_ACTIVATION
ENSG00000178999	AURKB PPI subnetwork
ENSG00000204843	DCTN1 PPI subnetwork
ENSG00000137379	ENSG00000137379 PPI subnetwork
ENSG00000183311	TUBB PPI subnetwork
ENSG00000196230	TUBB PPI subnetwork
MP:0009243	hairpin sperm flagellum
ENSG00000197586	ENTPD6 PPI subnetwork
MP:0003935	abnormal craniofacial development
MP:0001304	cataracts
ENSG00000160075	SSU72 PPI subnetwork
GO:0005031	tumor necrosis factor-activated receptor activity
KEGG_ANTIGEN_PROCESSING_AND_PRESEI	KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION
KEGG_CYTOSOLIC_DNA_SENSING_PATHWA	KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
MP:0004462	small basisphenoid bone
GO:0032925	regulation of activin receptor signaling pathway
GO:0002292	T cell differentiation involved in immune response
ENSG00000053372	MRTO4 PPI subnetwork
GO:0046034	ATP metabolic process
GO:0000041	transition metal ion transport
MP:0000939	decreased motor neuron number
ENSG00000133710	SPINK5 PPI subnetwork
GO:0005035	death receptor activity
ENSG00000172732	MUS81 PPI subnetwork
ENSG00000123066	MED13L PPI subnetwork
GO:0006475	internal protein amino acid acetylation
ENSG00000115289	PCGF1 PPI subnetwork
GO:0017148	negative regulation of translation
ENSG00000171608	PIK3CD PPI subnetwork
MP:0010402	ventricular septal defect
GO:0042531	positive regulation of tyrosine phosphorylation of STAT protei
REACTOME_NITRIC_OXIDE_STIMULATES_G	REACTOME_NITRIC_OXIDE_STIMULATES_GUANYLATE_CYCLAS
ENSG00000111450	STX2 PPI subnetwork
ENSG00000186340	THBS2 PPI subnetwork
ENSG00000140564	FURIN PPI subnetwork
ENSG00000188021	UBQLN2 PPI subnetwork
KEGG_ASTHMA	KEGG_ASTHMA
GO:0004004	ATP-dependent RNA helicase activity
GO:0034446	substrate adhesion-dependent cell spreading
GO:0021799	cerebral cortex radially oriented cell migration
MP:0006009	abnormal neuronal migration
GO:0015078	hydrogen ion transmembrane transporter activity
MP:0000558	abnormal tibia morphology
GO:0050684	regulation of mRNA processing
GO:0048864	stem cell development
REACTOME_VPU_MEDIATED_DEGRADATIO	REACTOME_VPU_MEDIATED_DEGRADATION_OF_CD4
ENSG00000153487	ING1 PPI subnetwork

ENSG00000180628	PCGF5 PPI subnetwork
GO:0022037	metencephalon development
GO:0007031	peroxisome organization
GO:0008652	cellular amino acid biosynthetic process
GO:0060348	bone development
GO:0033180	proton-transporting V-type ATPase, V1 domain
REACTOME_REMOVAL_OF_LICENSING_FAC	REACTOME_REMOVAL_OF_LICENSING_FACTORS_FROM_ORIC
MP:0003051	curly tail
GO:0051953	negative regulation of amine transport
ENSG00000007168	PAFAH1B1 PPI subnetwork
ENSG00000198625	MDM4 PPI subnetwork
ENSG00000167815	PRDX2 PPI subnetwork
ENSG00000092820	EZR PPI subnetwork
ENSG00000119953	SMNDC1 PPI subnetwork
ENSG00000102096	PIM2 PPI subnetwork
ENSG00000136026	CKAP4 PPI subnetwork
GO:0055038	recycling endosome membrane
KEGG_T_CELL_RECEPTOR_SIGNALING_PATI	KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY
ENSG00000007237	GAS7 PPI subnetwork
GO:0009116	nucleoside metabolic process
ENSG00000033800	PIAS1 PPI subnetwork
MP:0008586	disorganized photoreceptor outer segment
ENSG00000085365	ENSG00000085365 PPI subnetwork
ENSG00000156931	VPS8 PPI subnetwork
GO:0031058	positive regulation of histone modification
ENSG00000100804	PSMB5 PPI subnetwork
GO:0010595	positive regulation of endothelial cell migration
GO:0050755	chemokine metabolic process
ENSG00000117560	FASLG PPI subnetwork
ENSG00000085872	CHERP PPI subnetwork
ENSG00000142039	CCDC97 PPI subnetwork
ENSG00000135597	REPS1 PPI subnetwork
GO:0009163	nucleoside biosynthetic process
GO:0016493	C-C chemokine receptor activity
ENSG00000145391	SETD7 PPI subnetwork
ENSG00000120659	TNFSF11 PPI subnetwork
REACTOME_EARLY_PHASE_OF_HIV_LIFE_C	REACTOME_EARLY_PHASE_OF_HIV_LIFE_CYCLE
GO:0048205	COPI coating of Golgi vesicle
GO:0048200	Golgi transport vesicle coating
GO:0035964	COPI-coated vesicle budding
MP:0010029	abnormal basicranium morphology
ENSG00000198899	MT-ATP6 PPI subnetwork
REACTOME_CELL_DEATH_SIGNALLING_VIA	REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AN
ENSG00000089818	NECAP1 PPI subnetwork
MP:0003132	increased pre-B cell number
MP:0004876	decreased mean systemic arterial blood pressure
REACTOME_G1S_DNA_DAMAGE_CHECKPO	REACTOME_G1S_DNA_DAMAGE_CHECKPOINTS
ENSG00000167258	CDK12 PPI subnetwork
ENSG00000100714	MTHFD1 PPI subnetwork
MP:0002095	abnormal skin pigmentation

ENSG00000163519	TRAT1 PPI subnetwork
GO:0000956	nuclear-transcribed mRNA catabolic process
ENSG00000113263	ITK PPI subnetwork
ENSG00000072401	UBE2D1 PPI subnetwork
MP:0005159	azoospermia
GO:0006700	C21-steroid hormone biosynthetic process
REACTOME_NCAM_SIGNALING_FOR_NEUR	REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT:GROWTH
ENSG00000163166	IWS1 PPI subnetwork
ENSG00000185787	MORF4L1 PPI subnetwork
ENSG00000075391	RASAL2 PPI subnetwork
ENSG00000184185	KCNJ12 PPI subnetwork
GO:0007200	phospholipase C-activating G-protein coupled receptor signali
ENSG00000173598	NUDT4 PPI subnetwork
GO:0012506	vesicle membrane
MP:0003087	absent allantois
REACTOME_VIF:MEDIATED_DEGRADATION	REACTOME_VIF:MEDIATED_DEGRADATION_OF_APOBEC3G
ENSG00000137767	SQRDL PPI subnetwork
MP:0004722	abnormal platelet dense granule number
GO:0015278	calcium-release channel activity
GO:0044116	growth of symbiont involved in interaction with host
GO:0044144	modulation of growth of symbiont involved in interaction with
GO:0044126	regulation of growth of symbiont in host
GO:0044130	negative regulation of growth of symbiont in host
GO:0044117	growth of symbiont in host
GO:0044146	negative regulation of growth of symbiont involved in interact
GO:0044110	growth involved in symbiotic interaction
ENSG00000136891	TEX10 PPI subnetwork
ENSG00000007392	LUC7L PPI subnetwork
ENSG00000140939	NOL3 PPI subnetwork
GO:0019827	stem cell maintenance
GO:0004725	protein tyrosine phosphatase activity
GO:0021846	cell proliferation in forebrain
GO:0016592	mediator complex
GO:0030117	membrane coat
GO:0048475	coated membrane
MP:0003135	increased erythroid progenitor cell number
GO:0007173	epidermal growth factor receptor signaling pathway
GO:0008138	protein tyrosine/serine/threonine phosphatase activity
MP:0009050	dilated proximal convoluted tubules
REACTOME_REGULATED_PROTEOLYSIS_OF	REACTOME_REGULATED_PROTEOLYSIS_OF_P75NTR
ENSG00000003402	CFLAR PPI subnetwork
MP:0004272	abnormal basement membrane morphology
ENSG00000139269	INHBE PPI subnetwork
REACTOME_REV:MEDIATED_NUCLEAR_EXP	REACTOME_REV:MEDIATED_NUCLEAR_EXPORT_OF_HIV:1_RN
ENSG00000187555	USP7 PPI subnetwork
GO:0001649	osteoblast differentiation
MP:0008703	decreased interleukin-5 secretion
GO:0003333	amino acid transmembrane transport
GO:0032355	response to estradiol stimulus
ENSG00000109332	UBE2D3 PPI subnetwork

GO:0032964	collagen biosynthetic process
GO:0071705	nitrogen compound transport
ENSG00000162736	NCSTN PPI subnetwork
ENSG00000135387	CAPRIN1 PPI subnetwork
GO:0002696	positive regulation of leukocyte activation
ENSG00000172352	CDY1B PPI subnetwork
ENSG00000172288	CDY1 PPI subnetwork
ENSG00000158402	CDC25C PPI subnetwork
ENSG00000100519	PSMC6 PPI subnetwork
MP:0001648	abnormal apoptosis
ENSG00000177879	AP3S1 PPI subnetwork
GO:0043648	dicarboxylic acid metabolic process
GO:0006473	protein acetylation
GO:0060349	bone morphogenesis
ENSG00000175582	RAB6A PPI subnetwork
GO:0071013	catalytic step 2 spliceosome
GO:0005911	cell-cell junction
MP:0004098	abnormal cerebellar granule cell morphology
GO:0007610	behavior
ENSG00000157873	TNFRSF14 PPI subnetwork
GO:0051250	negative regulation of lymphocyte activation
MP:0000822	abnormal brain ventricle morphology
ENSG00000141068	KSR1 PPI subnetwork
ENSG00000137403	HLA-F PPI subnetwork
ENSG00000189162	ENSG00000189162 PPI subnetwork
GO:0009378	four-way junction helicase activity
GO:0006367	transcription initiation from RNA polymerase II promoter
ENSG00000124571	XPO5 PPI subnetwork
ENSG00000126432	PRDX5 PPI subnetwork
GO:0015837	amine transport
ENSG00000100591	AHSA1 PPI subnetwork
ENSG00000114353	GNAI2 PPI subnetwork
REACTOME_APCCDC20_MEDIATED_DEGR	REACTOME_APCCDC20_MEDIATED_DEGRADATION_OF_MIT
MP:0000157	abnormal sternum morphology
ENSG00000132561	MATN2 PPI subnetwork
ENSG00000171824	EXOSC10 PPI subnetwork
GO:0016570	histone modification
GO:0007202	activation of phospholipase C activity
ENSG00000114686	MRPL3 PPI subnetwork
ENSG00000182718	ANXA2 PPI subnetwork
MP:0002389	abnormal Peyer's patch follicle morphology
GO:0005372	water transmembrane transporter activity
ENSG00000131788	PIAS3 PPI subnetwork
ENSG00000060558	GNA15 PPI subnetwork
ENSG00000111229	ARPC3 PPI subnetwork
ENSG00000100764	PSMC1 PPI subnetwork
ENSG00000196535	MYO18A PPI subnetwork
REACTOME_VPR:MEDIATED_NUCLEAR_IMF	REACTOME_VPR:MEDIATED_NUCLEAR_IMPORT_OF_PICS
ENSG00000012660	ELOVL5 PPI subnetwork
GO:0043021	ribonucleoprotein complex binding

ENSG00000163466	ARPC2 PPI subnetwork
GO:0043473	pigmentation
GO:0051592	response to calcium ion
ENSG00000160293	VAV2 PPI subnetwork
ENSG00000133026	MYH10 PPI subnetwork
MP:0005168	abnormal female meiosis
GO:0060445	branching involved in salivary gland morphogenesis
REACTOME_CDT1_ASSOCIATION_WITH_TH	REACTOME_CDT1_ASSOCIATION_WITH_THE_CDC6ORCORIGIN
GO:0030135	coated vesicle
ENSG00000116750	UCHL5 PPI subnetwork
ENSG00000101849	TBL1X PPI subnetwork
GO:0042737	drug catabolic process
GO:0005815	microtubule organizing center
GO:0032006	regulation of TOR signaling cascade
MP:0001154	seminiferous tubule degeneration
GO:2001252	positive regulation of chromosome organization
ENSG00000157087	ATP2B2 PPI subnetwork
GO:0022624	proteasome accessory complex
MP:0008008	early cellular replicative senescence
REACTOME_G_ALPHA_I_SIGNALLING_EVEN	REACTOME_G_ALPHA_I_SIGNALLING_EVENTS
GO:0002822	regulation of adaptive immune response based on somatic rec
REACTOME_APCCCDC20_MEDIATED_DEGR	REACTOME_APCCCDC20_MEDIATED_DEGRADATION_OF_SECU
GO:0001783	B cell apoptotic process
ENSG00000168243	GNG4 PPI subnetwork
MP:0001924	infertility
GO:0045785	positive regulation of cell adhesion
ENSG00000160271	RALGDS PPI subnetwork
MP:0000745	tremors
MP:0003755	abnormal palate morphology
GO:0016529	sarcoplasmic reticulum
ENSG00000001497	LAS1L PPI subnetwork
ENSG00000139921	TMX1 PPI subnetwork
GO:0042098	T cell proliferation
GO:0060076	excitatory synapse
ENSG00000167085	PHB PPI subnetwork
ENSG00000186111	PIP5K1C PPI subnetwork
GO:0006476	protein deacetylation
ENSG00000110436	SLC1A2 PPI subnetwork
MP:0004084	abnormal cardiac muscle relaxation
ENSG00000001626	CFTR PPI subnetwork
ENSG00000104689	TNFRSF10A PPI subnetwork
GO:0050863	regulation of T cell activation
MP:0002633	persistent truncus arteriosis
MP:0002795	dilated cardiomyopathy
ENSG00000111087	GLI1 PPI subnetwork
GO:0070001	aspartic-type peptidase activity
GO:0004190	aspartic-type endopeptidase activity
MP:0006032	abnormal ureteric bud morphology
ENSG00000107295	SH3GL2 PPI subnetwork
REACTOME_NUCLEAR_SIGNALING_BY_ERB	REACTOME_NUCLEAR_SIGNALING_BY_ERBB4

MP:0001153	small seminiferous tubules
GO:0035145	exon-exon junction complex
MP:0002024	T cell derived lymphoma
ENSG00000204642	HLA-F PPI subnetwork
ENSG00000120087	HOXB7 PPI subnetwork
MP:0000116	abnormal tooth development
MP:0005324	ascites
ENSG00000039319	ZFYVE16 PPI subnetwork
ENSG00000165219	GAPVD1 PPI subnetwork
ENSG00000105323	HNRNPUL1 PPI subnetwork
KEGG_SPLICEOSOME	KEGG_SPLICEOSOME
ENSG00000097046	CDC7 PPI subnetwork
ENSG00000134243	SORT1 PPI subnetwork
ENSG00000127481	UBR4 PPI subnetwork
GO:0031970	organelle envelope lumen
GO:0000979	RNA polymerase II core promoter sequence-specific DNA bind
ENSG00000166986	MARS PPI subnetwork
KEGG_CELL_CYCLE	KEGG_CELL_CYCLE
GO:0015296	anion:cation symporter activity
GO:0001776	leukocyte homeostasis
GO:0050931	pigment cell differentiation
ENSG00000184486	POU3F2 PPI subnetwork
GO:0030593	neutrophil chemotaxis
REACTOME_UBIQUITIN:DEPENDENT_DEGR	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
REACTOME_UBIQUITIN:DEPENDENT_DEGR	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
ENSG00000100292	HMOX1 PPI subnetwork
ENSG00000073792	IGF2BP2 PPI subnetwork
ENSG00000055332	EIF2AK2 PPI subnetwork
ENSG00000153395	LPCAT1 PPI subnetwork
ENSG00000206328	ENSG00000206328 PPI subnetwork
ENSG00000206439	TNF PPI subnetwork
ENSG00000204490	TNF PPI subnetwork
REACTOME_SIGNALING_BY_BMP	REACTOME_SIGNALING_BY_BMP
MP:0005551	abnormal eye electrophysiology
ENSG00000116141	MARK1 PPI subnetwork
ENSG00000106991	ENG PPI subnetwork
ENSG00000149182	ARFGAP2 PPI subnetwork
GO:0015807	L-amino acid transport
GO:0002009	morphogenesis of an epithelium
ENSG00000177600	RPLP2 PPI subnetwork
GO:0006406	mRNA export from nucleus
GO:0007178	transmembrane receptor protein serine/threonine kinase sign
GO:0006865	amino acid transport
ENSG00000111752	PHC1 PPI subnetwork
GO:0070972	protein localization in endoplasmic reticulum
GO:0030879	mammary gland development
GO:0032432	actin filament bundle
GO:0002039	p53 binding
GO:0005088	Ras guanyl-nucleotide exchange factor activity
KEGG_SELENOAMINO_ACID_METABOLISM	KEGG_SELENOAMINO_ACID_METABOLISM

ENSG00000032514	ENSG00000032514 PPI subnetwork
GO:0032098	regulation of appetite
MP:0000285	abnormal heart valve morphology
ENSG00000106976	DNM1 PPI subnetwork
GO:0006278	RNA-dependent DNA replication
GO:0045667	regulation of osteoblast differentiation
ENSG00000105664	COMP PPI subnetwork
ENSG00000167657	DAPK3 PPI subnetwork
ENSG00000102241	HTATSF1 PPI subnetwork
REACTOME_SYNTHESIS_OF_DNA	REACTOME_SYNTHESIS_OF_DNA
REACTOME_METABOLISM_OF_RNA	REACTOME_METABOLISM_OF_RNA
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELLULAR_PROTEINS
MP:0004800	decreased susceptibility to experimental autoimmune enceph
ENSG00000197373	ENSG00000197373 PPI subnetwork
ENSG00000168255	POLR2J3 PPI subnetwork
MP:0008111	abnormal granulocyte differentiation
ENSG00000146109	ABT1 PPI subnetwork
ENSG00000119138	KLF9 PPI subnetwork
ENSG00000133116	KL PPI subnetwork
MP:0005619	increased urine potassium level
MP:0003633	abnormal nervous system physiology
GO:0046218	indolalkylamine catabolic process
GO:0006569	tryptophan catabolic process
GO:0042436	indole-containing compound catabolic process
ENSG00000124575	HIST1H1D PPI subnetwork
ENSG00000160208	RRP1B PPI subnetwork
REACTOME_CA:DEPENDENT_EVENTS	REACTOME_CA:DEPENDENT_EVENTS
ENSG00000075539	FRYL PPI subnetwork
ENSG00000070018	LRP6 PPI subnetwork
ENSG00000101557	USP14 PPI subnetwork
ENSG00000087111	PIGS PPI subnetwork
GO:0050870	positive regulation of T cell activation
GO:0048511	rhythmic process
MP:0008828	abnormal lymph node cell ratio
GO:0005097	Rab GTPase activator activity
REACTOME_AQUAPORIN:MEDIATED_TRAN	REACTOME_AQUAPORIN:MEDIATED_TRANSPORT
MP:0004374	bowed radius
ENSG00000117153	KLHL12 PPI subnetwork
ENSG00000111731	KIAA0528 PPI subnetwork
REACTOME_NRAGE_SIGNALS_DEATH_THR	REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK
ENSG00000185057	ENSG00000185057 PPI subnetwork
MP:0002855	abnormal cochlear ganglion morphology
GO:0006518	peptide metabolic process
ENSG00000134242	PTPN22 PPI subnetwork
MP:0000120	malocclusion
GO:0043401	steroid hormone mediated signaling pathway
ENSG00000174485	DENND4A PPI subnetwork
REACTOME_CALMODULIN_INDUCED_EVEN	REACTOME_CALMODULIN_INDUCED_EVENTS
REACTOME_CAM_PATHWAY	REACTOME_CAM_PATHWAY
MP:0008511	thin retinal inner nuclear layer

ENSG00000180871	CXCR2 PPI subnetwork
MP:0004087	abnormal muscle fiber morphology
ENSG00000099917	MED15 PPI subnetwork
ENSG00000204632	HLA-G PPI subnetwork
ENSG00000206506	HLA-G PPI subnetwork
ENSG00000206443	ENSG00000206443 PPI subnetwork
GO:0048016	inositol phosphate-mediated signaling
ENSG00000182754	ENSG00000182754 PPI subnetwork
ENSG00000163682	RPL9 PPI subnetwork
MP:0000825	dilated lateral ventricles
GO:0004386	helicase activity
ENSG00000071243	ING3 PPI subnetwork
KEGG_LEUKOCYTE_TRANSENDOTHELIAL_M	KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION
GO:0030658	transport vesicle membrane
ENSG00000066379	ZNRD1 PPI subnetwork
ENSG00000206502	ZNRD1 PPI subnetwork
ENSG00000206429	ENSG00000206429 PPI subnetwork
GO:0042129	regulation of T cell proliferation
ENSG00000165702	GFI1B PPI subnetwork
REACTOME_ANTIGEN_PRESENTATION_FOL	REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_
MP:0003641	small lung
GO:0030514	negative regulation of BMP signaling pathway
ENSG00000164251	F2RL1 PPI subnetwork
ENSG00000100911	PSME2 PPI subnetwork
MP:0004136	abnormal tongue muscle morphology
ENSG00000137825	ITPKA PPI subnetwork
ENSG00000117713	ARID1A PPI subnetwork
ENSG00000175104	TRAF6 PPI subnetwork
ENSG00000175536	LIPT2 PPI subnetwork
ENSG00000143466	IKBKE PPI subnetwork
ENSG00000118260	CREB1 PPI subnetwork
ENSG00000181555	SETD2 PPI subnetwork
ENSG00000125868	DSTN PPI subnetwork
MP:0004784	abnormal anterior cardinal vein morphology
ENSG00000101745	ANKRD12 PPI subnetwork
ENSG00000138709	LARP1B PPI subnetwork
REACTOME_ENDOSOMAL_SORTING_COMP	REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FO
GO:0030660	Golgi-associated vesicle membrane
GO:0046545	development of primary female sexual characteristics
ENSG00000184634	MED12 PPI subnetwork
ENSG00000198301	SDAD1 PPI subnetwork
ENSG00000144848	ATG3 PPI subnetwork
ENSG00000124507	PACSIN1 PPI subnetwork
ENSG00000008083	JARID2 PPI subnetwork
ENSG00000128340	RAC2 PPI subnetwork
REACTOME_INTERACTIONS_OF_REV_WITH	REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_
ENSG00000112237	CCNC PPI subnetwork
ENSG00000005844	ITGAL PPI subnetwork
ENSG00000170310	STX8 PPI subnetwork
MP:0003703	abnormal vestibulocochlear ganglion morphology

GO:0008380	RNA splicing
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION
ENSG00000029363	BCLAF1 PPI subnetwork
GO:0019894	kinesin binding
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION__PF
ENSG00000101096	NFATC2 PPI subnetwork
ENSG00000124588	NQO2 PPI subnetwork
ENSG00000168497	SDPR PPI subnetwork
ENSG00000183305	MAGEA2B PPI subnetwork
ENSG00000188459	ENSG00000188459 PPI subnetwork
MP:0008173	increased follicular B cell number
ENSG00000177565	TBL1XR1 PPI subnetwork
ENSG00000198373	WWP2 PPI subnetwork
GO:0002577	regulation of antigen processing and presentation
GO:0007040	lysosome organization
ENSG00000111361	EIF2B1 PPI subnetwork
GO:0008527	taste receptor activity
GO:0008276	protein methyltransferase activity
MP:0001829	increased activated T cell number
GO:0030510	regulation of BMP signaling pathway
MP:0002740	heart hypoplasia
ENSG00000101057	MYBL2 PPI subnetwork
GO:0051087	chaperone binding
ENSG00000170142	UBE2E1 PPI subnetwork
MP:0001312	abnormal cornea morphology
MP:0003886	abnormal embryonic epiblast morphology
REACTOME_RECRUITMENT_OF_NUMA_TO_	REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTRO
GO:0001704	formation of primary germ layer
MP:0001680	abnormal mesoderm development
ENSG00000136560	TANK PPI subnetwork
GO:0005635	nuclear envelope
GO:0006369	termination of RNA polymerase II transcription
MP:0000286	abnormal mitral valve morphology
MP:0001208	blistering
GO:0007369	gastrulation
ENSG00000138413	IDH1 PPI subnetwork
GO:0015294	solute:cation symporter activity
GO:0042288	MHC class I protein binding
GO:0032715	negative regulation of interleukin-6 production
REACTOME_BILE_SALT_AND_ORGANIC_AN	REACTOME_BILE_SALT_AND_ORGANIC_ANION_SLC_TRANSPO
ENSG00000163050	ADCK3 PPI subnetwork
ENSG00000169045	HNRNPH1 PPI subnetwork
GO:0035239	tube morphogenesis
ENSG00000173145	NOC3L PPI subnetwork
MP:0006007	abnormal basal ganglion morphology
ENSG00000108679	LGALS3BP PPI subnetwork
ENSG00000177728	KIAA0195 PPI subnetwork
GO:0044062	regulation of excretion
REACTOME_REGULATION_OF_DNA_REPLIC	REACTOME_REGULATION_OF_DNA_REPLICATION
MP:0000961	abnormal dorsal root ganglion morphology

ENSG00000129282	MRM1 PPI subnetwork
GO:0031519	PcG protein complex
GO:0042613	MHC class II protein complex
ENSG00000135503	ACVR1B PPI subnetwork
ENSG00000145901	TNIP1 PPI subnetwork
MP:0003209	abnormal pulmonary elastic fiber morphology
GO:0004930	G-protein coupled receptor activity
ENSG00000144283	PKP4 PPI subnetwork
MP:0000024	lowered ear position
ENSG00000133104	SPG20 PPI subnetwork
MP:0000757	herniated abdominal wall
ENSG00000121481	RNF2 PPI subnetwork
GO:0048194	Golgi vesicle budding
ENSG00000134001	EIF2S1 PPI subnetwork
ENSG00000111602	TIMELESS PPI subnetwork
ENSG00000173020	ADRBK1 PPI subnetwork
REACTOME_TRANSPORT_OF_THE_SLBP_IN	REACTOME_TRANSPORT_OF_THE_SLBP_INDEPENDENT_MATI
GO:0000794	condensed nuclear chromosome
GO:0030149	sphingolipid catabolic process
GO:0046466	membrane lipid catabolic process
ENSG00000086827	ZW10 PPI subnetwork
MP:0000889	abnormal cerebellar molecular layer
GO:0090100	positive regulation of transmembrane receptor protein serine,
REACTOME_EXTRINSIC_PATHWAY_FOR_AP	REACTOME_EXTRINSIC_PATHWAY_FOR_APOPTOSIS
REACTOME_DEATH_RECEPTOR__SIGNALLIN	REACTOME_DEATH_RECEPTOR__SIGNALLING
GO:0048368	lateral mesoderm development
ENSG00000198898	CAPZA2 PPI subnetwork
GO:0009081	branched chain family amino acid metabolic process
ENSG00000153767	GTF2E1 PPI subnetwork
MP:0001944	abnormal pancreas morphology
REACTOME_CDC20PHOSPHO:APCC_MEDIA	REACTOME_CDC20PHOSPHO:APCC_MEDIATED_DEGRADATIO
ENSG00000134318	ROCK2 PPI subnetwork
ENSG00000213658	LAT PPI subnetwork
GO:0000149	SNARE binding
ENSG00000159217	IGF2BP1 PPI subnetwork
GO:0002579	positive regulation of antigen processing and presentation
GO:0008211	glucocorticoid metabolic process
ENSG00000141076	CIRH1A PPI subnetwork
GO:0015293	symporter activity
ENSG00000113194	FAF2 PPI subnetwork
MP:0008725	enlarged heart atrium
GO:0008081	phosphoric diester hydrolase activity
ENSG00000108826	MRPL27 PPI subnetwork
ENSG00000134717	BTF3L4 PPI subnetwork
ENSG00000134371	CDC73 PPI subnetwork
ENSG00000104825	NFKBIB PPI subnetwork
ENSG00000178950	GAK PPI subnetwork
GO:0008353	RNA polymerase II carboxy-terminal domain kinase activity
ENSG00000103423	DNAJA3 PPI subnetwork
KEGG_N_GLYCAN_BIOSYNTHESIS	KEGG_N_GLYCAN_BIOSYNTHESIS

GO:0006353	transcription termination, DNA-dependent
ENSG00000166233	ARIH1 PPI subnetwork
ENSG00000151247	EIF4E PPI subnetwork
ENSG00000112983	BRD8 PPI subnetwork
GO:0030530	heterogeneous nuclear ribonucleoprotein complex
MP:0001322	abnormal iris morphology
GO:0009913	epidermal cell differentiation
ENSG00000042980	ADAM28 PPI subnetwork
ENSG00000034053	APBA2 PPI subnetwork
GO:0006568	tryptophan metabolic process
ENSG00000206492	GNL1 PPI subnetwork
ENSG00000206412	GNL1 PPI subnetwork
ENSG00000204590	GNL1 PPI subnetwork
ENSG00000169031	COL4A3 PPI subnetwork
ENSG00000165476	REEP3 PPI subnetwork
GO:0040018	positive regulation of multicellular organism growth
MP:0010053	decreased grip strength
ENSG00000182901	RGS7 PPI subnetwork
ENSG00000100462	PRMT5 PPI subnetwork
ENSG00000108592	FTSJ3 PPI subnetwork
ENSG00000116641	DOCK7 PPI subnetwork
GO:0042113	B cell activation
ENSG00000010818	HIVEP2 PPI subnetwork
ENSG00000067900	ROCK1 PPI subnetwork
ENSG00000214528	ENSG00000214528 PPI subnetwork
GO:0030175	filopodium
GO:0006702	androgen biosynthetic process
GO:0030659	cytoplasmic vesicle membrane
KEGG_PROGESTERONE_MEDIATED_OOCYT	KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
GO:0048841	regulation of axon extension involved in axon guidance
ENSG00000161939	C17orf49 PPI subnetwork
ENSG00000143437	ARNT PPI subnetwork
REACTOME_RNA_POL_II_CTD_PHOSPHORY	REACTOME_RNA_POL_II_CTD_PHOSPHORYLATION_AND_INTE
ENSG00000068878	PSME4 PPI subnetwork
MP:0000565	oligodactyly
MP:0000480	increased rib number
GO:0006200	ATP catabolic process
ENSG00000106344	RBM28 PPI subnetwork
ENSG00000166266	CUL5 PPI subnetwork
GO:0042402	cellular biogenic amine catabolic process
GO:0009070	serine family amino acid biosynthetic process
ENSG00000188419	CHM PPI subnetwork
ENSG00000182367	ENSG00000182367 PPI subnetwork
ENSG00000148053	NTRK2 PPI subnetwork
ENSG00000132485	ZRANB2 PPI subnetwork
ENSG00000129625	REEP5 PPI subnetwork
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
MP:0000556	abnormal hindlimb morphology
ENSG00000063244	U2AF2 PPI subnetwork
ENSG00000135213	POM121C PPI subnetwork

ENSG00000123080	CDKN2C PPI subnetwork
GO:0005913	cell-cell adherens junction
MP:0003271	abnormal duodenum morphology
ENSG00000088367	EPB41L1 PPI subnetwork
GO:0051028	mRNA transport
ENSG00000187391	MAGI2 PPI subnetwork
REACTOME_SIGNALLING_TO_P38_VIA_RIT_	REACTOME_SIGNALLING_TO_P38_VIA_RIT_AND_RIN
MP:0002639	micrognathia
ENSG00000089053	ANAPC5 PPI subnetwork
MP:0001385	pup cannibalization
ENSG00000109103	UNC119 PPI subnetwork
MP:0001906	increased dopamine level
MP:0004448	abnormal presphenoid bone morphology
GO:0030949	positive regulation of vascular endothelial growth factor recep
GO:0002819	regulation of adaptive immune response
ENSG00000159479	MED8 PPI subnetwork
ENSG00000151276	MAGI1 PPI subnetwork
GO:0002703	regulation of leukocyte mediated immunity
ENSG00000107625	DDX50 PPI subnetwork
GO:0045598	regulation of fat cell differentiation
ENSG00000108823	SGCA PPI subnetwork
ENSG00000137992	DBT PPI subnetwork
GO:0003729	mRNA binding
ENSG00000165271	NOL6 PPI subnetwork
ENSG00000135390	ATP5G2 PPI subnetwork
GO:0007498	mesoderm development
GO:0071774	response to fibroblast growth factor stimulus
GO:0044344	cellular response to fibroblast growth factor stimulus
GO:0030315	T-tubule
GO:0000159	protein phosphatase type 2A complex
GO:0007220	Notch receptor processing
GO:0030132	clathrin coat of coated pit
GO:0051403	stress-activated MAPK cascade
GO:0015631	tubulin binding
ENSG00000070367	EXOC5 PPI subnetwork
ENSG00000141551	CSNK1D PPI subnetwork
GO:0005801	cis-Golgi network
ENSG00000122034	GTF3A PPI subnetwork
ENSG00000184672	RALYL PPI subnetwork
GO:0016571	histone methylation
ENSG00000151065	DCP1B PPI subnetwork
GO:0007589	body fluid secretion
ENSG00000113312	TTC1 PPI subnetwork
REACTOME_P53:DEPENDENT_G1_DNA_DA	REACTOME_P53:DEPENDENT_G1_DNA_DAMAGE_RESPONSE
REACTOME_P53:DEPENDENT_G1S_DNA_D/	REACTOME_P53:DEPENDENT_G1S_DNA_DAMAGE_CHECKPOI
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
GO:0008406	gonad development
ENSG00000073536	NLE1 PPI subnetwork
GO:0018205	peptidyl-lysine modification
ENSG00000131236	CAP1 PPI subnetwork

ENSG00000179958	DCTPP1 PPI subnetwork
GO:0044236	multicellular organismal metabolic process
ENSG00000118523	CTGF PPI subnetwork
ENSG00000111052	LIN7A PPI subnetwork
ENSG00000077063	CTTNBP2 PPI subnetwork
ENSG00000171475	WIPF2 PPI subnetwork
ENSG00000057468	MSH4 PPI subnetwork
MP:0001823	thymus hypoplasia
GO:0007204	elevation of cytosolic calcium ion concentration
ENSG00000171634	BPTF PPI subnetwork
MP:0010792	abnormal stomach mucosa morphology
GO:0017153	sodium:dicarboxylate symporter activity
MP:0001714	absent trophoblast giant cells
MP:0003059	decreased insulin secretion
ENSG00000214026	MRPL23 PPI subnetwork
GO:0031072	heat shock protein binding
GO:0006397	mRNA processing
GO:0001906	cell killing
ENSG00000048828	FAM120A PPI subnetwork
GO:0042303	molting cycle
GO:0042633	hair cycle
GO:0048568	embryonic organ development
GO:0006890	retrograde vesicle-mediated transport, Golgi to ER
ENSG00000141367	CLTC PPI subnetwork
MP:0008498	decreased IgG3 level
ENSG00000136842	TMOD1 PPI subnetwork
GO:0002920	regulation of humoral immune response
ENSG00000125845	BMP2 PPI subnetwork
ENSG00000111669	TPI1 PPI subnetwork
GO:0015721	bile acid and bile salt transport
REACTOME_ABORTIVE_ELONGATION_OF_H	REACTOME_ABORTIVE_ELONGATION_OF_HIV:1_TRANSCRIPT
ENSG00000136709	WDR33 PPI subnetwork
ENSG00000157456	CCNB2 PPI subnetwork
GO:0006888	ER to Golgi vesicle-mediated transport
ENSG00000166508	MCM7 PPI subnetwork
GO:0031683	G-protein beta/gamma-subunit complex binding
ENSG00000120697	ALG5 PPI subnetwork
MP:0010766	abnormal NK cell physiology
ENSG00000125695	STRADA PPI subnetwork
GO:0032623	interleukin-2 production
GO:0006029	proteoglycan metabolic process
ENSG00000134333	LDHA PPI subnetwork
ENSG00000144597	EAF1 PPI subnetwork
GO:0007229	integrin-mediated signaling pathway
ENSG00000187899	ENSG00000187899 PPI subnetwork
ENSG00000127920	GNG11 PPI subnetwork
MP:0001953	respiratory failure
REACTOME_METABOLISM_OF_PROTEINS	REACTOME_METABOLISM_OF_PROTEINS
GO:0043370	regulation of CD4-positive, alpha-beta T cell differentiation
GO:0034101	erythrocyte homeostasis

GO:0005283	sodium:amino acid symporter activity
GO:0034483	heparan sulfate sulfotransferase activity
GO:0050658	RNA transport
GO:0051236	establishment of RNA localization
GO:0050657	nucleic acid transport
MP:0008168	decreased B-1a cell number
ENSG00000119285	HEATR1 PPI subnetwork
ENSG00000196419	XRCC6 PPI subnetwork
MP:0009038	decreased inferior colliculus size
ENSG00000188229	TUBB4B PPI subnetwork
ENSG00000181029	TRAPPC5 PPI subnetwork
ENSG00000164105	SAP30 PPI subnetwork
MP:0006036	abnormal mitochondrial physiology
MP:0004615	cervical vertebral transformation
ENSG00000111640	GAPDH PPI subnetwork
MP:0008642	decreased circulating interleukin-1 beta level
ENSG00000173867	ENSG00000173867 PPI subnetwork
ENSG00000101412	E2F1 PPI subnetwork
MP:0003290	intestinal hypoperistalsis
ENSG00000169682	SPNS1 PPI subnetwork
ENSG00000134070	IRAK2 PPI subnetwork
ENSG00000109606	DHX15 PPI subnetwork
ENSG00000170579	DLGAP1 PPI subnetwork
ENSG00000206294	ENSG00000206294 PPI subnetwork
ENSG00000107779	BMPR1A PPI subnetwork
GO:0044257	cellular protein catabolic process
GO:0035023	regulation of Rho protein signal transduction
ENSG00000160469	BRSK1 PPI subnetwork
ENSG00000114978	MOB1A PPI subnetwork
MP:0008040	decreased NK T cell number
ENSG00000148303	RPL7A PPI subnetwork
REACTOME_SMOOTH_MUSCLE_CONTRACT	REACTOME_SMOOTH_MUSCLE_CONTRACTION
ENSG00000173660	UQCRH PPI subnetwork
ENSG00000144285	SCN1A PPI subnetwork
MP:0001092	abnormal trigeminal ganglion morphology
ENSG00000204271	SPIN3 PPI subnetwork
ENSG00000186787	SPIN2B PPI subnetwork
MP:0006280	abnormal digit development
MP:0005503	abnormal tendon morphology
GO:0007004	telomere maintenance via telomerase
ENSG00000196586	MYO6 PPI subnetwork
ENSG00000165806	CASP7 PPI subnetwork
REACTOME_GRB2_EVENTS_IN_ERBB2_SIGN	REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING
GO:0030279	negative regulation of ossification
MP:0008006	increased stomach pH
GO:0048729	tissue morphogenesis
GO:0016607	nuclear speck
REACTOME_LOSS_OF_PROTEINS_REQUIRED	REACTOME_LOSS_OF_PROTEINS_REQUIRED_FOR_INTERPHAS
REACTOME_LOSS_OF_NLP_FROM_MITOTIC	REACTOME_LOSS_OF_NLP_FROM_MITOTIC_CENTROSOMES
REACTOME_DSCAM_INTERACTIONS	REACTOME_DSCAM_INTERACTIONS

MP:0000034	abnormal vestibule morphology
MP:0000564	syndactyly
GO:0009100	glycoprotein metabolic process
ENSG00000067533	RRP15 PPI subnetwork
GO:0048557	embryonic digestive tract morphogenesis
GO:0030509	BMP signaling pathway
MP:0008450	retinal photoreceptor degeneration
ENSG00000149925	ALDOA PPI subnetwork
GO:2000514	regulation of CD4-positive, alpha-beta T cell activation
KEGG_WNT_SIGNALING_PATHWAY	KEGG_WNT_SIGNALING_PATHWAY
MP:0000418	focal hair loss
ENSG00000183751	TBL3 PPI subnetwork
ENSG00000100097	LGALS1 PPI subnetwork
MP:0005236	abnormal olfactory nerve morphology
GO:0002705	positive regulation of leukocyte mediated immunity
GO:0002708	positive regulation of lymphocyte mediated immunity
ENSG00000107819	SFXN3 PPI subnetwork
ENSG00000103197	TSC2 PPI subnetwork
REACTOME_ENERGY_DEPENDENT_REGULA	REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_E
MP:0002835	abnormal cranial suture morphology
KEGG_OXIDATIVE_PHOSPHORYLATION	KEGG_OXIDATIVE_PHOSPHORYLATION
ENSG00000183735	TBK1 PPI subnetwork
ENSG00000092010	PSME1 PPI subnetwork
REACTOME_INTERACTIONS_OF_VPR_WITH	REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_
ENSG00000141582	CBX4 PPI subnetwork
GO:0002467	germinal center formation
REACTOME_NF:KB_IS_ACTIVATED_AND_SI	REACTOME_NF:KB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL
MP:0001693	failure of primitive streak formation
ENSG00000125485	DDX31 PPI subnetwork
GO:0005160	transforming growth factor beta receptor binding
REACTOME_PLATELET_CALCIUM_HOMEOS	REACTOME_PLATELET_CALCIUM_HOMEOSTASIS
GO:0043543	protein acylation
ENSG00000086619	ERO1LB PPI subnetwork
GO:0000786	nucleosome
GO:0043094	cellular metabolic compound salvage
ENSG00000115306	SPTBN1 PPI subnetwork
GO:0009101	glycoprotein biosynthetic process
MP:0009746	enhanced behavioral response to xenobiotic
GO:0045686	negative regulation of glial cell differentiation
GO:0010453	regulation of cell fate commitment
ENSG00000152942	RAD17 PPI subnetwork
MP:0002161	abnormal fertility/fecundity
ENSG00000138663	COPS4 PPI subnetwork
ENSG00000131437	KIF3A PPI subnetwork
GO:0032587	ruffle membrane
REACTOME_CENTROSOME_MATURATION	REACTOME_CENTROSOME_MATURATION
REACTOME_RECRUITMENT_OF_MITOTIC_C	REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PRO
MP:0000091	short premaxilla
ENSG00000071894	CPSF1 PPI subnetwork
REACTOME_AUTODEGRADATION_OF_THE_	REACTOME_AUTODEGRADATION_OF_THE_E3_UBIQUITIN_LIC

ENSG00000168488	ATXN2L PPI subnetwork
MP:0001406	abnormal gait
ENSG00000206088	ENSG00000206088 PPI subnetwork
ENSG00000176884	GRIN1 PPI subnetwork
ENSG00000185745	IFIT1 PPI subnetwork
MP:0004617	sacral vertebral transformation
GO:0014075	response to amine stimulus
ENSG00000089094	KDM2B PPI subnetwork
ENSG00000105229	PIAS4 PPI subnetwork
ENSG00000141552	ANAPC11 PPI subnetwork
GO:0008299	isoprenoid biosynthetic process
ENSG00000198804	MT-CO1 PPI subnetwork
ENSG00000212875	ENSG00000212875 PPI subnetwork
ENSG00000094804	CDC6 PPI subnetwork
GO:0006776	vitamin A metabolic process
MP:0003137	abnormal impulse conducting system conduction
ENSG00000205155	PSENEN PPI subnetwork
ENSG00000196510	ANAPC7 PPI subnetwork
MP:0002115	abnormal limb bone morphology
ENSG00000132639	SNAP25 PPI subnetwork
GO:0005096	GTPase activator activity
REACTOME_REGULATION_OF_ORNITHINE_	REACTOME_REGULATION_OF_ORNITHINE_DECARBOXYLASE_(
GO:0016569	covalent chromatin modification
ENSG00000134769	DTNA PPI subnetwork
GO:0009065	glutamine family amino acid catabolic process
GO:0032838	cell projection cytoplasm
GO:0031965	nuclear membrane
MP:0000929	open neural tube
MP:0005030	absent amnion
GO:0015802	basic amino acid transport
MP:0000936	small telencephalic vesicles
ENSG00000213611	ENSG00000213611 PPI subnetwork
GO:0034694	response to prostaglandin stimulus
MP:0004816	abnormal class switch recombination
ENSG00000150867	PIP4K2A PPI subnetwork
ENSG00000104313	EYA1 PPI subnetwork
MP:0006108	abnormal hindbrain development
ENSG00000106829	TLE4 PPI subnetwork
ENSG00000111707	SUDS3 PPI subnetwork
GO:0042110	T cell activation
ENSG00000082512	TRAF5 PPI subnetwork
GO:0032024	positive regulation of insulin secretion
GO:0060389	pathway-restricted SMAD protein phosphorylation
REACTOME_ASSEMBLY_OF_THE_PRE:REPLI	REACTOME_ASSEMBLY_OF_THE_PRE:REPLICATIVE_COMPLEX
ENSG00000212868	ENSG00000212868 PPI subnetwork
ENSG00000198727	MT-CYB PPI subnetwork
MP:0000819	abnormal olfactory bulb morphology
GO:0032580	Golgi cisterna membrane
GO:0030218	erythrocyte differentiation
REACTOME_NEF:MEDIATES_DOWN_MODU	REACTOME_NEF:MEDIATES_DOWN_MODULATION_OF_CELL_

ENSG00000198909	MAP3K3 PPI subnetwork
MP:0000538	abnormal urinary bladder morphology
ENSG00000204523	ENSG00000204523 PPI subnetwork
GO:0016646	oxidoreductase activity, acting on the CH-NH group of donors,
ENSG00000104408	EIF3E PPI subnetwork
MP:0001328	disorganized retinal layers
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_
REACTOME_REGULATION_OF_AMPK_ACTI\	REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_LKB1
ENSG00000130725	UBE2M PPI subnetwork
GO:0008585	female gonad development
GO:0007179	transforming growth factor beta receptor signaling pathway
ENSG00000101558	VAPA PPI subnetwork
GO:0030662	coated vesicle membrane
ENSG00000167508	MVD PPI subnetwork
GO:0004437	inositol or phosphatidylinositol phosphatase activity
GO:0070670	response to interleukin-4
ENSG00000159461	AMFR PPI subnetwork
ENSG00000112578	BYSL PPI subnetwork
ENSG00000177156	TALDO1 PPI subnetwork
REACTOME_TRANSPORT_TO_THE_GOLGI_A	REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT
GO:0043903	regulation of symbiosis, encompassing mutualism through par
GO:0016876	ligase activity, forming aminoacyl-tRNA and related compounc
GO:0016875	ligase activity, forming carbon-oxygen bonds
GO:0004812	aminoacyl-tRNA ligase activity
GO:0033178	proton-transporting two-sector ATPase complex, catalytic don
MP:0008027	abnormal spinal cord white matter morphology
MP:0006030	abnormal otic vesicle development
ENSG00000173545	ZNF622 PPI subnetwork
ENSG00000088205	DDX18 PPI subnetwork
GO:0071339	MLL1 complex
GO:0071887	leukocyte apoptotic process
MP:0001689	incomplete somite formation
ENSG00000158042	MRPL17 PPI subnetwork
ENSG00000125798	FOXA2 PPI subnetwork
ENSG00000198959	TGM2 PPI subnetwork
REACTOME_RETROGRADE_NEUROTROPHIN	REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLING
MP:0001676	abnormal apical ectodermal ridge morphology
GO:0048708	astrocyte differentiation
GO:0010638	positive regulation of organelle organization
GO:0016311	dephosphorylation
ENSG00000134987	WDR36 PPI subnetwork
MP:0000813	abnormal hippocampus layer morphology
ENSG00000142453	CARM1 PPI subnetwork
ENSG00000137936	BCAR3 PPI subnetwork
ENSG00000169750	RAC3 PPI subnetwork
GO:0045295	gamma-catenin binding
ENSG00000128534	NAA38 PPI subnetwork
ENSG00000062038	CDH3 PPI subnetwork
GO:0016849	phosphorus-oxygen lyase activity
GO:0000784	nuclear chromosome, telomeric region

MP:0004521	abnormal cochlear hair cell stereociliary bundle morphology
REACTOME_STABILIZATION_OF_P53	REACTOME_STABILIZATION_OF_P53
ENSG00000111664	GNB3 PPI subnetwork
ENSG00000130826	DKC1 PPI subnetwork
MP:0000269	abnormal heart looping
GO:0005048	signal sequence binding
REACTOME_EGFR_INTERACTS_WITH_PHOS	REACTOME_EGFR_INTERACTS_WITH_PHOSPHOLIPASE_C:GAM
ENSG00000198231	DDX42 PPI subnetwork
GO:0032320	positive regulation of Ras GTPase activity
GO:0010717	regulation of epithelial to mesenchymal transition
ENSG00000100347	SAMM50 PPI subnetwork
GO:0007044	cell-substrate junction assembly
ENSG00000124172	ATP5E PPI subnetwork
ENSG00000073009	IKBKG PPI subnetwork
REACTOME_NF:KB_ACTIVATION_THROUGH	REACTOME_NF:KB_ACTIVATION_THROUGH_FADDRIP:1_PATH
MP:0008280	male germ cell apoptosis
GO:0005112	Notch binding
ENSG00000112079	STK38 PPI subnetwork
ENSG00000168502	CCDC165 PPI subnetwork
ENSG00000213639	PPP1CB PPI subnetwork
MP:0003896	prolonged PR interval
ENSG00000173418	NAA20 PPI subnetwork
ENSG00000196284	SUPT3H PPI subnetwork
ENSG00000100285	NEFH PPI subnetwork
GO:0001655	urogenital system development
ENSG00000116903	EXOC8 PPI subnetwork
ENSG00000124228	DDX27 PPI subnetwork
GO:0000782	telomere cap complex
GO:0000783	nuclear telomere cap complex
ENSG00000100129	EIF3L PPI subnetwork
GO:0019438	aromatic compound biosynthetic process
GO:0050871	positive regulation of B cell activation
GO:0031016	pancreas development
GO:0008180	signalosome
GO:0061039	ovum-producing ovary development
ENSG00000115738	ID2 PPI subnetwork
MP:0008415	abnormal neurite morphology
ENSG00000087303	NID2 PPI subnetwork
ENSG00000143995	MEIS1 PPI subnetwork
ENSG00000065526	SPEN PPI subnetwork
REACTOME_PLCG1_EVENTS_IN_ERBB2_SIG	REACTOME_PLCG1_EVENTS_IN_ERBB2_SIGNALING
GO:0045622	regulation of T-helper cell differentiation
MP:0001303	abnormal lens morphology
ENSG00000153233	PTPRR PPI subnetwork
REACTOME_GLUTATHIONE_CONJUGATION	REACTOME_GLUTATHIONE_CONJUGATION
MP:0002765	short fibula
ENSG00000198788	MUC2 PPI subnetwork
MP:0005650	abnormal limb bud morphology
ENSG00000172845	SP3 PPI subnetwork
GO:0005643	nuclear pore

MP:0003270	intestinal obstruction
ENSG00000100280	AP1B1 PPI subnetwork
GO:0010950	positive regulation of endopeptidase activity
GO:0005665	DNA-directed RNA polymerase II, core complex
GO:0070372	regulation of ERK1 and ERK2 cascade
GO:0048041	focal adhesion assembly
GO:0000097	sulfur amino acid biosynthetic process
MP:0003731	abnormal retinal outer nuclear layer morphology
GO:0007292	female gamete generation
ENSG00000132589	FLOT2 PPI subnetwork
ENSG00000067334	DNTTIP2 PPI subnetwork
GO:0002286	T cell activation involved in immune response
ENSG00000168556	ING2 PPI subnetwork
MP:0006316	increased urine sodium level
GO:0002706	regulation of lymphocyte mediated immunity
GO:0016568	chromatin modification
REACTOME_GPVI:MEDIATED_ACTIVATION_	REACTOME_GPVI:MEDIATED_ACTIVATION_CASCADE
ENSG00000105202	FBL PPI subnetwork
MP:0006082	CNS inflammation
GO:0006403	RNA localization
ENSG00000198742	SMURF1 PPI subnetwork
GO:0008333	endosome to lysosome transport
GO:0008026	ATP-dependent helicase activity
GO:0070035	purine NTP-dependent helicase activity
ENSG00000101361	NOP56 PPI subnetwork
GO:0031231	intrinsic to peroxisomal membrane
GO:0005779	integral to peroxisomal membrane
REACTOME_NUCLEOTIDE:BINDING_DOMAI	REACTOME_NUCLEOTIDE:BINDING_DOMAIN_LEUCINE_RICH_
ENSG00000101400	SNTA1 PPI subnetwork
GO:0030183	B cell differentiation
GO:0002717	positive regulation of natural killer cell mediated immunity
GO:0045954	positive regulation of natural killer cell mediated cytotoxicity
ENSG00000127314	RAP1B PPI subnetwork
ENSG00000120158	RCL1 PPI subnetwork
REACTOME_S_PHASE	REACTOME_S_PHASE
GO:0030216	keratinocyte differentiation
ENSG00000171132	PRKCE PPI subnetwork
ENSG00000213066	FGFR1OP PPI subnetwork
GO:0048199	vesicle targeting, to, from or within Golgi
GO:0022415	viral reproductive process
ENSG00000080603	SRCAP PPI subnetwork
ENSG00000100297	MCM5 PPI subnetwork
ENSG00000033011	ALG1 PPI subnetwork
ENSG00000115816	CEBPZ PPI subnetwork
MP:0000694	spleen hypoplasia
MP:0006054	spinal hemorrhage
REACTOME_E2F_MEDIATED_REGULATION_	REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICA
ENSG00000215697	ENSG00000215697 PPI subnetwork
ENSG00000168397	ATG4B PPI subnetwork
MP:0005298	abnormal clavicle morphology

REACTOME_TIGHT_JUNCTION_INTERACTIO	REACTOME_TIGHT_JUNCTION_INTERACTIONS
GO:0007566	embryo implantation
GO:0008037	cell recognition
ENSG00000204592	HLA-E PPI subnetwork
ENSG00000134419	RPS15A PPI subnetwork
GO:0003724	RNA helicase activity
GO:0022405	hair cycle process
GO:0001942	hair follicle development
GO:0022404	molting cycle process
ENSG00000124207	CSE1L PPI subnetwork
KEGG_P53_SIGNALING_PATHWAY	KEGG_P53_SIGNALING_PATHWAY
GO:0072012	glomerulus vasculature development
KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_(	KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI_ANCHOR_BIOS
REACTOME_CYTOSOLIC_TRNA_AMINOACYI	REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION
ENSG00000173163	COMMD1 PPI subnetwork
ENSG00000090470	PDCD7 PPI subnetwork
ENSG00000154723	ATP5J PPI subnetwork
GO:0008234	cysteine-type peptidase activity
GO:0007420	brain development
GO:0010810	regulation of cell-substrate adhesion
GO:0045069	regulation of viral genome replication
ENSG00000162337	LRP5 PPI subnetwork
MP:0002989	small kidney
GO:0019905	syntaxin binding
MP:0000897	abnormal midbrain morphology
GO:0032993	protein-DNA complex
ENSG00000173175	ADCY5 PPI subnetwork
REACTOME_GLUTATHIONE_SYNTHESIS_AN	REACTOME_GLUTATHIONE_SYNTHESIS_AND_RECYCLING
GO:0005730	nucleolus
GO:0031060	regulation of histone methylation
ENSG00000181852	RNF41 PPI subnetwork
REACTOME_G2M_TRANSITION	REACTOME_G2M_TRANSITION
ENSG00000165699	TSC1 PPI subnetwork
ENSG00000025796	SEC63 PPI subnetwork
GO:0030673	axolemma
ENSG00000166889	PATL1 PPI subnetwork
GO:0048015	phosphatidylinositol-mediated signaling
GO:0048017	inositol lipid-mediated signaling
ENSG00000197969	VPS13A PPI subnetwork
MP:0005656	decreased aggression
ENSG00000087903	RFX2 PPI subnetwork
GO:0005637	nuclear inner membrane
MP:0009232	abnormal sperm nucleus morphology
MP:0000755	hindlimb paralysis
GO:0070371	ERK1 and ERK2 cascade
GO:0048608	reproductive structure development
GO:0015662	ATPase activity, coupled to transmembrane movement of ions
ENSG00000167513	CDT1 PPI subnetwork
REACTOME_DNA_REPLICATION_PRE:INITIA	REACTOME_DNA_REPLICATION_PRE:INITIATION
REACTOME_MG1_TRANSITION	REACTOME_MG1_TRANSITION

MP:0011024	abnormal branching involved in lung morphogenesis
REACTOME_MITOTIC_G2:G2M_PHASES	REACTOME_MITOTIC_G2:G2M_PHASES
REACTOME_DAG_AND_IP3_SIGNALING	REACTOME_DAG_AND_IP3_SIGNALING
ENSG00000173848	NET1 PPI subnetwork
MP:0009583	increased keratinocyte proliferation
GO:0051952	regulation of amine transport
MP:0005461	abnormal dendritic cell morphology
MP:0000753	paralysis
GO:0030318	melanocyte differentiation
ENSG00000010810	FYN PPI subnetwork
ENSG00000164687	FABP5 PPI subnetwork
ENSG00000065183	WDR3 PPI subnetwork
ENSG00000153107	ANAPC1 PPI subnetwork
GO:0051693	actin filament capping
GO:0031649	heat generation
ENSG00000156136	DCK PPI subnetwork
ENSG00000182953	ENSG00000182953 PPI subnetwork
MP:0001925	male infertility
GO:0048754	branching morphogenesis of a tube
GO:0072657	protein localization in membrane
GO:0030098	lymphocyte differentiation
ENSG00000198286	CARD11 PPI subnetwork
ENSG00000101158	TH1L PPI subnetwork
GO:0050771	negative regulation of axonogenesis
REACTOME_PLC_BETA_MEDIATED_EVENTS	REACTOME_PLC_BETA_MEDIATED_EVENTS
GO:0019882	antigen processing and presentation
GO:0005416	cation:amino acid symporter activity
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION
REACTOME_RNA_POLYMERASE_III_ABORTI	REACTOME_RNA_POLYMERASE_III_ABORTIVE_AND_RETRACT
ENSG00000146729	GBAS PPI subnetwork
ENSG00000111276	CDKN1B PPI subnetwork
GO:0001569	patterning of blood vessels
ENSG00000185721	DRG1 PPI subnetwork
MP:0008044	increased NK cell number
MP:0003140	dilated heart atrium
GO:0004197	cysteine-type endopeptidase activity
MP:0005094	abnormal T cell proliferation
GO:0006612	protein targeting to membrane
ENSG00000140379	BCL2A1 PPI subnetwork
ENSG00000075624	ACTB PPI subnetwork
ENSG00000109917	ZNF259 PPI subnetwork
REACTOME_NUCLEOTIDE:LIKE_PURINERGIC	REACTOME_NUCLEOTIDE:LIKE_PURINERGIC_RECEPTORS
ENSG00000173402	DAG1 PPI subnetwork
ENSG00000197283	SYNGAP1 PPI subnetwork
GO:0050792	regulation of viral reproduction
MP:0008023	abnormal styloid process morphology
ENSG00000179091	CYC1 PPI subnetwork
MP:0004139	abnormal gastric parietal cell morphology
ENSG00000054118	THRAP3 PPI subnetwork
MP:0004841	abnormal small intestine crypts of Lieberkuhn morphology

ENSG00000166128	RAB8B PPI subnetwork
GO:0007588	excretion
GO:0019888	protein phosphatase regulator activity
GO:0000151	ubiquitin ligase complex
MP:0002812	spherocytosis
REACTOME_CELL_CYCLE_CHECKPOINTS	REACTOME_CELL_CYCLE_CHECKPOINTS
ENSG00000104626	ERI1 PPI subnetwork
ENSG00000197822	OCLN PPI subnetwork
ENSG00000175115	PACS1 PPI subnetwork
ENSG00000179409	GEMIN4 PPI subnetwork
GO:0043296	apical junction complex
ENSG00000082014	SMARCD3 PPI subnetwork
MP:0001629	abnormal heart rate
GO:0015711	organic anion transport
GO:0004690	cyclic nucleotide-dependent protein kinase activity
ENSG00000168496	FEN1 PPI subnetwork
ENSG00000166963	MAP1A PPI subnetwork
ENSG00000117594	HSD11B1 PPI subnetwork
ENSG00000114270	COL7A1 PPI subnetwork
REACTOME_REGULATION_OF_WATER_BAL	REACTOME_REGULATION_OF_WATER_BALANCE_BY_RENAL_
GO:0030532	small nuclear ribonucleoprotein complex
ENSG00000061337	LZTS1 PPI subnetwork
ENSG00000056661	PCGF2 PPI subnetwork
GO:0000188	inactivation of MAPK activity
MP:0002022	increased lymphoma incidence
REACTOME_SPHINGOLIPID_DE_NOVO_BIO	REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS
GO:0002263	cell activation involved in immune response
GO:0002366	leukocyte activation involved in immune response
GO:0003727	single-stranded RNA binding
ENSG00000127588	GNG13 PPI subnetwork
GO:0031258	lamellipodium membrane
ENSG00000162290	ENSG00000162290 PPI subnetwork
GO:0050432	catecholamine secretion
MP:0008603	decreased circulating interleukin-4 level
GO:0001974	blood vessel remodeling
MP:0008135	small Peyer's patches
ENSG00000126005	ENSG00000126005 PPI subnetwork
MP:0008332	decreased lactotroph cell number
GO:0042552	myelination
ENSG00000169727	GPS1 PPI subnetwork
ENSG00000121031	ENSG00000121031 PPI subnetwork
REACTOME_PLC:GAMMA1_SIGNALLING	REACTOME_PLC:GAMMA1_SIGNALLING
MP:0002207	abnormal long term potentiation
ENSG00000138376	BARD1 PPI subnetwork
GO:0000375	RNA splicing, via transesterification reactions
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS
GO:0007176	regulation of epidermal growth factor-activated receptor activ
GO:0032813	tumor necrosis factor receptor superfamily binding
ENSG00000099204	ABLIM1 PPI subnetwork
GO:0001076	RNA polymerase II transcription factor binding transcription fa

ENSG00000141837	CACNA1A PPI subnetwork
GO:0003014	renal system process
GO:0030286	dynein complex
ENSG00000112357	PEX7 PPI subnetwork
GO:0051640	organelle localization
MP:0003932	abnormal molar crown morphology
ENSG00000145833	DDX46 PPI subnetwork
ENSG00000138674	SEC31A PPI subnetwork
ENSG00000079462	PAFAH1B3 PPI subnetwork
ENSG00000116329	OPRD1 PPI subnetwork
GO:0001725	stress fiber
GO:0006488	dolichol-linked oligosaccharide biosynthetic process
GO:0006013	mannose metabolic process
KEGG_NEUROTROPHIN_SIGNALING_PATHV	KEGG_NEUROTROPHIN_SIGNALING_PATHWAY
ENSG00000166477	LEO1 PPI subnetwork
GO:0000930	gamma-tubulin complex
ENSG00000078900	TP73 PPI subnetwork
ENSG00000092853	CLSPN PPI subnetwork
ENSG00000164346	NSA2 PPI subnetwork
GO:0045620	negative regulation of lymphocyte differentiation
ENSG00000136271	DDX56 PPI subnetwork
ENSG00000134014	ELP3 PPI subnetwork
GO:0000502	proteasome complex
ENSG00000132535	DLG4 PPI subnetwork
GO:0002260	lymphocyte homeostasis
GO:0002764	immune response-regulating signaling pathway
ENSG00000101246	ARFRP1 PPI subnetwork
REACTOME_GAP_JUNCTION_TRAFFICKING_	REACTOME_GAP_JUNCTION_TRAFFICKING_AND_REGULATION
GO:0045621	positive regulation of lymphocyte differentiation
ENSG00000104325	DECR1 PPI subnetwork
GO:0017091	AU-rich element binding
ENSG00000197249	SERPINA1 PPI subnetwork
GO:0046459	short-chain fatty acid metabolic process
REACTOME_CYCLIN_AB1_ASSOCIATED_EVE	REACTOME_CYCLIN_AB1_ASSOCIATED_EVENTS_DURING_G2M
ENSG00000128739	SNRPN PPI subnetwork
ENSG00000126067	PSMB2 PPI subnetwork
GO:0045776	negative regulation of blood pressure
ENSG00000183765	CHEK2 PPI subnetwork
MP:0000150	abnormal rib morphology
MP:0003360	abnormal depression-related behavior
GO:0060395	SMAD protein signal transduction
KEGG_NON_SMALL_CELL_LUNG_CANCER	KEGG_NON_SMALL_CELL_LUNG_CANCER
GO:0006405	RNA export from nucleus
ENSG00000214265	SNURF PPI subnetwork
GO:0006505	GPI anchor metabolic process
MP:0004532	abnormal inner hair cell stereociliary bundle morphology
GO:0070603	SWI/SNF-type complex
GO:0032561	guanyl ribonucleotide binding
GO:0019001	guanyl nucleotide binding
ENSG00000119318	RAD23B PPI subnetwork

GO:0045787	positive regulation of cell cycle
ENSG00000006747	SCIN PPI subnetwork
ENSG00000173110	HSPA6 PPI subnetwork
ENSG00000125484	GTF3C4 PPI subnetwork
GO:0072234	metanephric nephron tubule development
GO:0072243	metanephric nephron epithelium development
GO:0015991	ATP hydrolysis coupled proton transport
GO:0015988	energy coupled proton transport, against electrochemical grad
MP:0009936	abnormal dendritic spine morphology
MP:0004830	short incisors
ENSG00000117133	RPF1 PPI subnetwork
ENSG00000123612	ACVR1C PPI subnetwork
ENSG00000165156	ZHX1 PPI subnetwork
ENSG00000086189	DIMT1 PPI subnetwork
GO:0006555	methionine metabolic process
REACTOME_G:PROTEIN_MEDIATED_EVENT	REACTOME_G:PROTEIN_MEDIATED_EVENTS
ENSG00000089009	RPL6 PPI subnetwork
ENSG00000112078	KCTD20 PPI subnetwork
MP:0002339	abnormal lymph node morphology
ENSG00000078668	VDAC3 PPI subnetwork
GO:0005858	axonemal dynein complex
ENSG00000155506	LARP1 PPI subnetwork
ENSG00000078269	SYNJ2 PPI subnetwork
MP:0003049	abnormal lumbar vertebrae morphology
ENSG00000103043	VAC14 PPI subnetwork
ENSG00000174444	RPL4 PPI subnetwork
KEGG_VIRAL_MYOCARDITIS	KEGG_VIRAL_MYOCARDITIS
ENSG00000187778	MCRS1 PPI subnetwork
ENSG00000172172	MRPL13 PPI subnetwork
MP:0004672	short ribs
MP:0006072	abnormal retinal apoptosis
ENSG00000162188	GNG3 PPI subnetwork
ENSG00000134909	ARHGAP32 PPI subnetwork
ENSG00000117242	ENSG00000117242 PPI subnetwork
ENSG00000076248	UNG PPI subnetwork
ENSG00000174748	RPL15 PPI subnetwork
ENSG00000089048	ESF1 PPI subnetwork
REACTOME_NEUROTRANSMITTER_RELEASE	REACTOME_NEUROTRANSMITTER_RELEASE_CYCLE
ENSG00000166226	CCT2 PPI subnetwork
ENSG00000105011	ASF1B PPI subnetwork
GO:0002824	positive regulation of adaptive immune response based on so
ENSG00000100239	PPP6R2 PPI subnetwork
ENSG00000105656	ELL PPI subnetwork
GO:0006643	membrane lipid metabolic process
ENSG00000177425	PAWR PPI subnetwork
ENSG00000141252	VPS53 PPI subnetwork
ENSG00000181610	MRPS23 PPI subnetwork
REACTOME_TRANSPORT_OF_THE_SLBP_DE	REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATUF
ENSG00000136504	KAT7 PPI subnetwork
MP:0000872	abnormal cerebellum external granule cell layer morphology

MP:0003675	kidney cysts
ENSG00000183207	RUVBL2 PPI subnetwork
MP:0001045	abnormal enteric ganglia morphology
ENSG00000164107	HAND2 PPI subnetwork
ENSG00000139618	BRCA2 PPI subnetwork
REACTOME_DOWNSTREAM_TCR_SIGNALIN	REACTOME_DOWNSTREAM_TCR_SIGNALING
MP:0000933	abnormal rhombomere morphology
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNAS_DERIVED_FRO
ENSG00000123374	CDK2 PPI subnetwork
MP:0000026	abnormal inner ear morphology
GO:0001046	core promoter sequence-specific DNA binding
ENSG00000113555	PCDH12 PPI subnetwork
ENSG00000121653	MAPK8IP1 PPI subnetwork
ENSG00000172020	GAP43 PPI subnetwork
MP:0003308	abnormal cochlear sensory epithelium morphology
GO:0004691	cAMP-dependent protein kinase activity
MP:0002797	increased thigmotaxis
GO:0071565	nBAF complex
MP:0000061	fragile skeleton
MP:0001147	small testis
GO:0005525	GTP binding
REACTOME_GLUTAMATE_NEUROTRANSMI	REACTOME_GLUTAMATE_NEUROTRANSMITTER_RELEASE_CY(
ENSG00000163714	U2SURP PPI subnetwork
ENSG00000135999	EPC2 PPI subnetwork
MP:0003031	acidosis
GO:0015103	inorganic anion transmembrane transporter activity
ENSG00000206413	ENSG00000206413 PPI subnetwork
ENSG00000206493	HLA-E PPI subnetwork
ENSG00000163041	H3F3A PPI subnetwork
ENSG00000196285	ENSG00000196285 PPI subnetwork
ENSG00000132475	H3F3B PPI subnetwork
ENSG00000198961	PJA2 PPI subnetwork
ENSG00000174307	PHLDA3 PPI subnetwork
REACTOME_HORMONE_LIGAND:BINDING_	REACTOME_HORMONE_LIGAND:BINDING_RECEPTORS
ENSG00000163017	ACTG2 PPI subnetwork
GO:0060419	heart growth
ENSG00000106211	HSPB1 PPI subnetwork
MP:0002084	abnormal developmental patterning
ENSG00000169925	BRD3 PPI subnetwork
GO:0032259	methylation
ENSG00000197459	HIST1H2BH PPI subnetwork
ENSG00000072803	FBXW11 PPI subnetwork
ENSG00000188846	RPL14 PPI subnetwork
ENSG00000174021	GNG5 PPI subnetwork
GO:0003950	NAD+ ADP-ribosyltransferase activity
REACTOME_REGULATION_OF_MRNA_STAB	REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEIN
ENSG00000117650	NEK2 PPI subnetwork
ENSG00000107937	GTPBP4 PPI subnetwork
ENSG00000189079	ARID2 PPI subnetwork
MP:0006267	abnormal intercalated disc morphology

ENSG00000159199	ATP5G1 PPI subnetwork
ENSG00000196218	RYR1 PPI subnetwork
ENSG00000196531	NACA PPI subnetwork
GO:0045777	positive regulation of blood pressure
ENSG00000120696	KBTBD7 PPI subnetwork
MP:0002674	abnormal sperm motility
ENSG00000106554	CHCHD3 PPI subnetwork
GO:0045685	regulation of glial cell differentiation
REACTOME_INFLUENZA_INFECTION	REACTOME_INFLUENZA_INFECTION
ENSG00000055732	MCOLN3 PPI subnetwork
ENSG00000125691	RPL23 PPI subnetwork
ENSG00000170876	TMEM43 PPI subnetwork
MP:0000284	double outlet heart right ventricle
ENSG00000013583	HEBP1 PPI subnetwork
ENSG00000133398	MED10 PPI subnetwork
MP:0003233	prolonged QT interval
GO:0010769	regulation of cell morphogenesis involved in differentiation
ENSG00000065675	PRKCQ PPI subnetwork
ENSG00000183520	UTP11L PPI subnetwork
ENSG00000117000	RLF PPI subnetwork
GO:0042102	positive regulation of T cell proliferation
GO:0034502	protein localization to chromosome
GO:0002821	positive regulation of adaptive immune response
ENSG00000134697	GNL2 PPI subnetwork
REACTOME_PHOSPHORYLATION_OF_THE_A	REACTOME_PHOSPHORYLATION_OF_THE_APCC
GO:0050664	oxidoreductase activity, acting on NADH or NADPH, oxygen as
ENSG00000185973	TMLHE PPI subnetwork
ENSG00000112739	PRPF4B PPI subnetwork
ENSG00000134046	MBD2 PPI subnetwork
ENSG00000186184	POLR1D PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PI3KGA
GO:0009636	response to toxin
ENSG00000074211	PPP2R2C PPI subnetwork
GO:0021872	forebrain generation of neurons
REACTOME_OPIOID_SIGNALLING	REACTOME_OPIOID_SIGNALLING
ENSG00000112304	ACOT13 PPI subnetwork
ENSG00000133703	KRAS PPI subnetwork
ENSG00000165288	BRWD3 PPI subnetwork
ENSG00000131469	RPL27 PPI subnetwork
ENSG00000104892	KLC3 PPI subnetwork
ENSG00000173327	MAP3K11 PPI subnetwork
ENSG00000049541	RFC2 PPI subnetwork
MP:0004765	decreased brainstem auditory evoked potential
GO:0044455	mitochondrial membrane part
ENSG00000105926	MPP6 PPI subnetwork
ENSG00000111245	MYL2 PPI subnetwork
ENSG00000182621	PLCB1 PPI subnetwork
ENSG00000132467	UTP3 PPI subnetwork
GO:0030374	ligand-dependent nuclear receptor transcription coactivator a
GO:0006487	protein N-linked glycosylation

ENSG00000126945	HNRNPH2 PPI subnetwork
GO:0019674	NAD metabolic process
ENSG00000106100	NOD1 PPI subnetwork
GO:0006901	vesicle coating
GO:0002675	positive regulation of acute inflammatory response
ENSG00000160844	GATS PPI subnetwork
ENSG00000185963	BICD2 PPI subnetwork
ENSG00000055044	NOP58 PPI subnetwork
ENSG00000146143	ENSG00000146143 PPI subnetwork
MP:0001405	impaired coordination
GO:0007272	ensheathment of neurons
GO:0008366	axon ensheathment
GO:0072170	metanephric tubule development
ENSG00000126785	RHOJ PPI subnetwork
ENSG00000102158	MAGT1 PPI subnetwork
GO:0014014	negative regulation of gliogenesis
ENSG00000100353	EIF3D PPI subnetwork
MP:0001463	abnormal spatial learning
GO:0002052	positive regulation of neuroblast proliferation
MP:0000953	abnormal oligodendrocyte morphology
MP:0008284	abnormal hippocampus pyramidal cell layer
ENSG00000175203	DCTN2 PPI subnetwork
GO:0006919	activation of cysteine-type endopeptidase activity involved in
GO:0002757	immune response-activating signal transduction
MP:0000035	abnormal membranous labyrinth morphology
GO:0001522	pseudouridine synthesis
GO:0051650	establishment of vesicle localization
ENSG00000116824	CD2 PPI subnetwork
GO:0002922	positive regulation of humoral immune response
GO:0035265	organ growth
REACTOME_INTRINSIC_PATHWAY_FOR_AP	REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
ENSG00000107186	MPDZ PPI subnetwork
MP:0002237	abnormal nasal cavity morphology
ENSG00000124795	DEK PPI subnetwork
ENSG00000064703	DDX20 PPI subnetwork
MP:0002948	abnormal neuron specification
GO:0000398	nuclear mRNA splicing, via spliceosome
GO:0000377	RNA splicing, via transesterification reactions with bulged ade
ENSG00000096060	FKBP5 PPI subnetwork
MP:0000729	abnormal myogenesis
ENSG00000028137	TNFRSF1B PPI subnetwork
MP:0004066	abnormal primitive node morphology
GO:0016409	palmitoyltransferase activity
MP:0001436	abnormal suckling behavior
ENSG00000153774	CFDP1 PPI subnetwork
KEGG_OTHER_GLYCAN_DEGRADATION	KEGG_OTHER_GLYCAN_DEGRADATION
GO:0032673	regulation of interleukin-4 production
GO:0046620	regulation of organ growth
GO:0071305	cellular response to vitamin D
ENSG00000100146	SOX10 PPI subnetwork

MP:0004725	decreased platelet serotonin level
GO:0042641	actomyosin
REACTOME_MRNA_DECAY_BY_3_TO_5_EX	REACTOME_MRNA_DECAY_BY_3_TO_5_EXORIBONUCLEASE
GO:0070374	positive regulation of ERK1 and ERK2 cascade
GO:0019898	extrinsic to membrane
GO:0043280	positive regulation of cysteine-type endopeptidase activity inv
GO:2001056	positive regulation of cysteine-type endopeptidase activity
GO:0001104	RNA polymerase II transcription cofactor activity
MP:0006090	abnormal utricle morphology
GO:0030553	cGMP binding
GO:0060350	endochondral bone morphogenesis
MP:0000106	abnormal basisphenoid bone morphology
ENSG00000035403	VCL PPI subnetwork
GO:0045063	T-helper 1 cell differentiation
GO:0021766	hippocampus development
ENSG00000077097	TOP2B PPI subnetwork
MP:0004740	sensorineural hearing loss
ENSG00000104517	UBR5 PPI subnetwork
ENSG00000078699	CBFA2T2 PPI subnetwork
ENSG00000079785	DDX1 PPI subnetwork
GO:0030695	GTPase regulator activity
GO:0031644	regulation of neurological system process
ENSG00000198838	RYR3 PPI subnetwork
ENSG00000055208	TAB2 PPI subnetwork
ENSG00000149187	CELF1 PPI subnetwork
GO:0008509	anion transmembrane transporter activity
ENSG00000109472	CPE PPI subnetwork
ENSG00000093217	XYLB PPI subnetwork
REACTOME_ADP_SIGNALLING_THROUGH_I	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTC
GO:0003006	developmental process involved in reproduction
GO:0007219	Notch signaling pathway
ENSG00000158290	CUL4B PPI subnetwork
GO:0009309	amine biosynthetic process
ENSG00000169020	ATP5I PPI subnetwork
ENSG00000119917	IFIT3 PPI subnetwork
GO:0044448	cell cortex part
GO:0009164	nucleoside catabolic process
ENSG00000147601	TERF1 PPI subnetwork
GO:0031080	Nup107-160 complex
GO:0072006	nephron development
KEGG_COLORECTAL_CANCER	KEGG_COLORECTAL_CANCER
ENSG00000170860	LSM3 PPI subnetwork
ENSG00000169371	SNUPN PPI subnetwork
ENSG00000104725	ENSG00000104725 PPI subnetwork
ENSG00000120008	WDR11 PPI subnetwork
GO:0033017	sarcoplasmic reticulum membrane
MP:0002608	increased hematocrit
GO:0051018	protein kinase A binding
GO:0001523	retinoid metabolic process
ENSG00000130561	SAG PPI subnetwork

ENSG00000113460	BRIX1 PPI subnetwork
GO:0042383	sarcolemma
ENSG00000100867	DHRS2 PPI subnetwork
ENSG00000171444	MCC PPI subnetwork
MP:0002391	abnormal Peyer's patch germinal center morphology
ENSG00000143748	NVL PPI subnetwork
GO:0045073	regulation of chemokine biosynthetic process
ENSG00000196730	DAPK1 PPI subnetwork
ENSG00000198888	MT-ND1 PPI subnetwork
ENSG00000146731	CCT6A PPI subnetwork
GO:0018393	internal peptidyl-lysine acetylation
GO:0072001	renal system development
GO:0043500	muscle adaptation
GO:0006903	vesicle targeting
ENSG00000171346	KRT15 PPI subnetwork
MP:0002919	enhanced paired-pulse facilitation
ENSG00000168061	SAC3D1 PPI subnetwork
GO:0030888	regulation of B cell proliferation
ENSG00000138835	RGS3 PPI subnetwork
GO:0043928	exonucleolytic nuclear-transcribed mRNA catabolic process inv
GO:0000291	nuclear-transcribed mRNA catabolic process, exonucleolytic
MP:0010418	perimembraneous ventricular septal defect
GO:0050433	regulation of catecholamine secretion
ENSG00000147853	AK3 PPI subnetwork
ENSG00000185214	ENSG00000185214 PPI subnetwork
GO:0070160	occluding junction
GO:0005923	tight junction
ENSG00000090273	NUDC PPI subnetwork
ENSG00000100767	PAPLN PPI subnetwork
GO:0035872	nucleotide-binding domain, leucine rich repeat containing rece
GO:0002753	cytoplasmic pattern recognition receptor signaling pathway
GO:0070423	nucleotide-binding oligomerization domain containing signalin
MP:0002217	small lymph nodes
ENSG00000175054	ATR PPI subnetwork
ENSG00000105325	FZR1 PPI subnetwork
MP:0000966	decreased sensory neuron number
ENSG00000133511	ENSG00000133511 PPI subnetwork
MP:0004158	right aortic arch
GO:0072594	establishment of protein localization to organelle
MP:0002187	abnormal fibula morphology
ENSG00000100302	RASD2 PPI subnetwork
GO:0005669	transcription factor TFIID complex
GO:0060420	regulation of heart growth
MP:0000611	jaundice
GO:0015081	sodium ion transmembrane transporter activity
ENSG00000157500	APPL1 PPI subnetwork
ENSG00000166441	RPL27A PPI subnetwork
ENSG00000147604	RPL7 PPI subnetwork
REACTOME_IRAK2_MEDIATED_ACTIVATION	REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMP
ENSG00000104267	CA2 PPI subnetwork

ENSG00000147416	ATP6V1B2 PPI subnetwork
ENSG00000025770	NCAPH2 PPI subnetwork
ENSG00000196262	PPIA PPI subnetwork
ENSG00000198618	ENSG00000198618 PPI subnetwork
GO:0002285	lymphocyte activation involved in immune response
GO:2000106	regulation of leukocyte apoptotic process
ENSG00000077782	FGFR1 PPI subnetwork
ENSG00000057663	ATG5 PPI subnetwork
MP:0009409	abnormal skeletal muscle fiber type ratio
MP:0001431	abnormal eating behavior
ENSG00000188739	RBM34 PPI subnetwork
GO:0031929	TOR signaling cascade
REACTOME_CASPASE:MEDIATED_CLEAVAG	REACTOME_CASPASE:MEDIATED_CLEAVAGE_OF_CYTOSKELET
ENSG00000172399	MYOZ2 PPI subnetwork
ENSG00000075340	ADD2 PPI subnetwork
GO:0035162	embryonic hemopoiesis
GO:0016327	apicolateral plasma membrane
GO:0017069	snRNA binding
MP:0005627	increased circulating potassium level
KEGG_TYPE_I_DIABETES_MELLITUS	KEGG_TYPE_I_DIABETES_MELLITUS
REACTOME_METABOLISM_OF_PORPHYRIN	REACTOME_METABOLISM_OF_PORPHYRINS
ENSG00000171552	BCL2L1 PPI subnetwork
MP:0009862	abnormal aorta elastic tissue morphology
ENSG00000184985	SORCS2 PPI subnetwork
GO:0031011	Ino80 complex
GO:0033202	DNA helicase complex
GO:0051937	catecholamine transport
ENSG00000171208	NETO2 PPI subnetwork
MP:0008133	decreased Peyer's patch number
REACTOME_FORMATION_OF_TRANSCRIPTI	REACTOME_FORMATION_OF_TRANSCRIPTION:COUPLED_NER
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_TC:NER
ENSG00000165527	ARF6 PPI subnetwork
ENSG00000148843	PDCD11 PPI subnetwork
ENSG00000108590	MED31 PPI subnetwork
GO:0060589	nucleoside-triphosphatase regulator activity
ENSG00000196975	ANXA4 PPI subnetwork
ENSG00000033050	ABCF2 PPI subnetwork
MP:0001982	decreased chemically-elicited antinociception
GO:0090277	positive regulation of peptide hormone secretion
GO:0042755	eating behavior
REACTOME_APC:CDC20_MEDIATED_DEGRA	REACTOME_APC:CDC20_MEDIATED_DEGRADATION_OF_NEK2
ENSG00000112312	GMNN PPI subnetwork
ENSG00000136888	ATP6V1G1 PPI subnetwork
GO:0002715	regulation of natural killer cell mediated immunity
GO:0042269	regulation of natural killer cell mediated cytotoxicity
GO:0006401	RNA catabolic process
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSI	KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
REACTOME_PHOSPHORYLATION_OF_CD3_	REACTOME_PHOSPHORYLATION_OF_CD3_AND_TCR_ZETA_CH
REACTOME_SRP:DEPENDENT_COTRANSLAT	REACTOME_SRP:DEPENDENT_COTRANSLATIONAL_PROTEIN_T
MP:0004754	abnormal kidney collecting duct morphology

ENSG00000134376	CRB1 PPI subnetwork
MP:0001963	abnormal hearing physiology
MP:0008076	abnormal CD4-positive T cell differentiation
ENSG00000182492	BGN PPI subnetwork
ENSG00000079246	XRCC5 PPI subnetwork
MP:0004173	abnormal intervertebral disk morphology
ENSG00000163558	PRKCI PPI subnetwork
MP:0000748	progressive muscle weakness
ENSG00000132604	TERF2 PPI subnetwork
GO:0005516	calmodulin binding
ENSG00000100823	APEX1 PPI subnetwork
GO:0060284	regulation of cell development
MP:0008037	abnormal T cell morphology
ENSG00000143768	LEFTY2 PPI subnetwork
ENSG00000120837	NFYB PPI subnetwork
MP:0002840	abnormal lens fiber morphology
ENSG00000183049	CAMK1D PPI subnetwork
GO:0061097	regulation of protein tyrosine kinase activity
GO:0005874	microtubule
ENSG00000168078	PBK PPI subnetwork
ENSG00000100387	RBX1 PPI subnetwork
MP:0000751	myopathy
ENSG00000120705	ETF1 PPI subnetwork
GO:0006506	GPI anchor biosynthetic process
ENSG00000135823	STX6 PPI subnetwork
ENSG00000166866	MYO1A PPI subnetwork
ENSG00000065328	MCM10 PPI subnetwork
ENSG00000188529	SRSF10 PPI subnetwork
ENSG00000196235	SUPT5H PPI subnetwork
ENSG00000118640	VAMP8 PPI subnetwork
GO:0002793	positive regulation of peptide secretion
MP:0000841	abnormal hindbrain morphology
MP:0008217	abnormal B cell activation
ENSG00000153162	BMP6 PPI subnetwork
GO:0002437	inflammatory response to antigenic stimulus
ENSG00000130402	ACTN4 PPI subnetwork
REACTOME_MRNA_CAPPING	REACTOME_MRNA_CAPPING
ENSG00000101084	C20orf24 PPI subnetwork
ENSG00000117533	VAMP4 PPI subnetwork
GO:0021782	glial cell development
ENSG00000215699	ENSG00000215699 PPI subnetwork
ENSG00000131504	DIAPH1 PPI subnetwork
MP:0008392	decreased primordial germ cell number
GO:0016010	dystrophin-associated glycoprotein complex
GO:0005753	mitochondrial proton-transporting ATP synthase complex
ENSG00000204120	GIGYF2 PPI subnetwork
ENSG00000071127	WDR1 PPI subnetwork
GO:0051092	positive regulation of NF-kappaB transcription factor activity
ENSG00000149311	ATM PPI subnetwork
GO:0016779	nucleotidyltransferase activity

GO:0032483	regulation of Rab protein signal transduction
GO:0032313	regulation of Rab GTPase activity
ENSG00000101868	POLA1 PPI subnetwork
ENSG00000179036	ENSG00000179036 PPI subnetwork
ENSG00000205246	RPSAP58 PPI subnetwork
ENSG00000115241	PPM1G PPI subnetwork
MP:0001958	emphysema
GO:0000407	pre-autophagosomal structure
GO:0046580	negative regulation of Ras protein signal transduction
MP:0008519	thin retinal outer plexiform layer
ENSG00000104164	PLDN PPI subnetwork
ENSG00000121774	KHDRBS1 PPI subnetwork
MP:0006325	impaired hearing
GO:0030513	positive regulation of BMP signaling pathway
MP:0000633	abnormal pituitary gland morphology
ENSG00000180198	RCC1 PPI subnetwork
GO:0070979	protein K11-linked ubiquitination
ENSG00000134248	HBXIP PPI subnetwork
GO:0009620	response to fungus
MP:0001155	arrest of spermatogenesis
ENSG00000169057	MECP2 PPI subnetwork
MP:0002574	increased vertical activity
ENSG00000159131	GART PPI subnetwork
GO:0005089	Rho guanyl-nucleotide exchange factor activity
ENSG00000168439	STIP1 PPI subnetwork
GO:0008656	cysteine-type endopeptidase activator activity involved in apo
GO:0051216	cartilage development
ENSG00000129757	CDKN1C PPI subnetwork
GO:0008629	induction of apoptosis by intracellular signals
ENSG00000166478	ZNF143 PPI subnetwork
GO:0004843	ubiquitin-specific protease activity
ENSG00000151617	EDNRA PPI subnetwork
MP:0002961	abnormal axon guidance
MP:0008827	abnormal thymus cell ratio
GO:0001012	RNA polymerase II regulatory region DNA binding
GO:0005881	cytoplasmic microtubule
MP:0001922	reduced male fertility
MP:0000458	abnormal mandible morphology
GO:0006337	nucleosome disassembly
GO:0032986	protein-DNA complex disassembly
GO:0031498	chromatin disassembly
ENSG00000168487	BMP1 PPI subnetwork
ENSG00000146047	HIST1H2BA PPI subnetwork
MP:0001417	decreased exploration in new environment
ENSG00000100079	LGALS2 PPI subnetwork
GO:0006665	sphingolipid metabolic process
GO:0030903	notochord development
GO:0035272	exocrine system development
GO:0006479	protein methylation
GO:0008213	protein alkylation

MP:0001302	eyelids open at birth
ENSG00000198010	DLGAP2 PPI subnetwork
ENSG00000092841	MYL6 PPI subnetwork
GO:0046635	positive regulation of alpha-beta T cell activation
ENSG00000167674	ENSG00000167674 PPI subnetwork
GO:0046632	alpha-beta T cell differentiation
ENSG00000140368	PSTPIP1 PPI subnetwork
GO:0030111	regulation of Wnt receptor signaling pathway
ENSG00000143093	FAM40A PPI subnetwork
GO:0004221	ubiquitin thiolesterase activity
ENSG00000007866	TEAD3 PPI subnetwork
GO:0009615	response to virus
ENSG00000106682	EIF4H PPI subnetwork
GO:0009112	nucleobase metabolic process
REACTOME_INWARDLY_RECTIFYING_K_CH/	REACTOME_INWARDLY_RECTIFYING_K_CHANNELS
GO:0051928	positive regulation of calcium ion transport
GO:0019058	viral infectious cycle
ENSG00000166147	FBN1 PPI subnetwork
MP:0004939	abnormal B cell morphology
GO:0003382	epithelial cell morphogenesis
GO:0009083	branched chain family amino acid catabolic process
ENSG00000103510	KAT8 PPI subnetwork
GO:0030282	bone mineralization
GO:0008430	selenium binding
KEGG_CALCIUM_SIGNALING_PATHWAY	KEGG_CALCIUM_SIGNALING_PATHWAY
ENSG00000204351	SKIV2L PPI subnetwork
ENSG00000206267	ENSG00000206267 PPI subnetwork
ENSG00000101146	RAE1 PPI subnetwork
ENSG00000119383	PPP2R4 PPI subnetwork
GO:0016101	diterpenoid metabolic process
GO:0034968	histone lysine methylation
ENSG00000167286	CD3D PPI subnetwork
ENSG00000117118	SDHB PPI subnetwork
ENSG00000151846	PABPC3 PPI subnetwork
GO:0019783	small conjugating protein-specific protease activity
ENSG00000104879	CKM PPI subnetwork
GO:0021537	telencephalon development
ENSG00000116809	ZBTB17 PPI subnetwork
REACTOME_TRANSLOCATION_OF_ZAP:70_	REACTOME_TRANSLOCATION_OF_ZAP:70_TO_IMMUNOLOGI
ENSG00000180879	SSR4 PPI subnetwork
KEGG_VASOPRESSIN_REGULATED_WATER_	KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION
MP:0001270	distended abdomen
GO:0045580	regulation of T cell differentiation
GO:0043029	T cell homeostasis
ENSG00000101017	CD40 PPI subnetwork
ENSG00000104695	PPP2CB PPI subnetwork
MP:0000880	decreased Purkinje cell number
ENSG00000196557	CACNA1H PPI subnetwork
ENSG00000120129	DUSP1 PPI subnetwork
MP:0003964	abnormal noradrenaline level

ENSG00000181163	NPM1 PPI subnetwork
ENSG00000163435	ELF3 PPI subnetwork
GO:0004549	tRNA-specific ribonuclease activity
ENSG00000064393	HIPK2 PPI subnetwork
ENSG00000169249	ZRSR2 PPI subnetwork
GO:0008624	induction of apoptosis by extracellular signals
ENSG00000145321	GC PPI subnetwork
GO:0033013	tetrapyrrole metabolic process
GO:0006778	porphyrin-containing compound metabolic process
REACTOME_NETRIN:1_SIGNALING	REACTOME_NETRIN:1_SIGNALING
MP:0001395	bidirectional circling
MP:0005225	abnormal vertebrae development
GO:0045111	intermediate filament cytoskeleton
ENSG00000101421	CHMP4B PPI subnetwork
ENSG00000079950	STX7 PPI subnetwork
ENSG00000114209	PDCD10 PPI subnetwork
GO:0005875	microtubule associated complex
KEGG_HUNTINGTONS_DISEASE	KEGG_HUNTINGTONS_DISEASE
GO:0005487	nucleocytoplasmic transporter activity
GO:0043087	regulation of GTPase activity
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCL	REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
REACTOME_THROMBOXANE_SIGNALLING_	REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_REC
ENSG00000215902	ENSG00000215902 PPI subnetwork
GO:0044454	nuclear chromosome part
ENSG00000169592	INO80E PPI subnetwork
MP:0002906	increased susceptibility to pharmacologically induced seizures
KEGG_NEUROACTIVE_LIGAND_RECEPTOR_I	KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION
ENSG00000143119	CD53 PPI subnetwork
GO:0051603	proteolysis involved in cellular protein catabolic process
GO:0006900	membrane budding
GO:0032649	regulation of interferon-gamma production
GO:0005868	cytoplasmic dynein complex
REACTOME_KINESINS	REACTOME_KINESINS
GO:0022612	gland morphogenesis
ENSG00000176986	SEC24C PPI subnetwork
MP:0008515	thin retinal outer nuclear layer
ENSG00000009307	CSDE1 PPI subnetwork
GO:0006081	cellular aldehyde metabolic process
GO:0009103	lipopolysaccharide biosynthetic process
MP:0006279	abnormal limb development
MP:0005463	abnormal CD4-positive T cell physiology
REACTOME_INFLUENZA_LIFE_CYCLE	REACTOME_INFLUENZA_LIFE_CYCLE
GO:0018196	peptidyl-asparagine modification
GO:0018279	protein N-linked glycosylation via asparagine
ENSG00000164708	PGAM2 PPI subnetwork
GO:0008188	neuropeptide receptor activity
ENSG00000149257	SERPINH1 PPI subnetwork
ENSG00000112208	BAG2 PPI subnetwork
GO:0045022	early endosome to late endosome transport
GO:0006541	glutamine metabolic process

ENSG00000183763	TRAIP PPI subnetwork
ENSG00000114698	PLSCR4 PPI subnetwork
ENSG00000132646	PCNA PPI subnetwork
GO:0008556	potassium-transporting ATPase activity
GO:0016874	ligase activity
ENSG00000172680	MOS PPI subnetwork
ENSG00000023734	STRAP PPI subnetwork
ENSG00000198932	GPRASP1 PPI subnetwork
GO:0016757	transferase activity, transferring glycosyl groups
KEGG_GLIOMA	KEGG_GLIOMA
MP:0002825	abnormal notochord morphology
MP:0005078	abnormal cytotoxic T cell physiology
MP:0001529	abnormal vocalization
GO:0030667	secretory granule membrane
GO:0002825	regulation of T-helper 1 type immune response
REACTOME_CELL:CELL_COMMUNICATION	REACTOME_CELL:CELL_COMMUNICATION
KEGG_GAP_JUNCTION	KEGG_GAP_JUNCTION
GO:0042033	chemokine biosynthetic process
ENSG00000145335	SNCA PPI subnetwork
MP:0003463	abnormal single cell response
ENSG00000104976	SNAPC2 PPI subnetwork
ENSG00000186842	ENSG00000186842 PPI subnetwork
GO:0018394	peptidyl-lysine acetylation
GO:0006338	chromatin remodeling
ENSG00000132849	INADL PPI subnetwork
ENSG00000013561	RNF14 PPI subnetwork
ENSG00000130396	MLLT4 PPI subnetwork
ENSG00000075618	FSCN1 PPI subnetwork
ENSG00000170632	ARMC10 PPI subnetwork
ENSG00000197442	MAP3K5 PPI subnetwork
ENSG00000111605	CPSF6 PPI subnetwork
MP:0009887	abnormal palatal shelf fusion at midline
ENSG00000132002	DNAJB1 PPI subnetwork
GO:0046634	regulation of alpha-beta T cell activation
MP:0004399	abnormal cochlear outer hair cell morphology
ENSG00000147684	NDUFB9 PPI subnetwork
ENSG00000124214	STAU1 PPI subnetwork
GO:0032609	interferon-gamma production
ENSG00000206353	SKIV2L PPI subnetwork
REACTOME_HIGHLY_CALCIUM_PERMEABLE	REACTOME_HIGHLY_CALCIUM_PERMEABLE_POSTSYNAPTIC_I
MP:0001004	abnormal retinal photoreceptor morphology
GO:0006501	C-terminal protein lipidation
KEGG_RNA_POLYMERASE	KEGG_RNA_POLYMERASE
ENSG00000130706	ADRM1 PPI subnetwork
GO:0048332	mesoderm morphogenesis
REACTOME_MITOTIC_SPINDLE_CHECKPOIN	REACTOME_MITOTIC_SPINDLE_CHECKPOINT
GO:0009880	embryonic pattern specification
GO:0044259	multicellular organismal macromolecule metabolic process
GO:0030125	clathrin vesicle coat
MP:0008098	decreased plasma cell number

MP:0000297	abnormal atrioventricular cushion morphology
ENSG00000117322	CR2 PPI subnetwork
MP:0000886	abnormal cerebellar granule layer
ENSG00000108604	SMARCD2 PPI subnetwork
GO:0003887	DNA-directed DNA polymerase activity
ENSG00000165410	CFL2 PPI subnetwork
ENSG00000101109	STK4 PPI subnetwork
REACTOME_INACTIVATION_OF_APCC_VIA_	REACTOME_INACTIVATION_OF_APCC_VIA_DIRECT_INHIBITIO
REACTOME_INHIBITION_OF_THE_PROTEOL	REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF
REACTOME_NEPHRIN_INTERACTIONS	REACTOME_NEPHRIN_INTERACTIONS
ENSG00000138326	RPS24 PPI subnetwork
REACTOME_E2F:ENABLED_INHIBITION_OF_	REACTOME_E2F:ENABLED_INHIBITION_OF_PRE:REPLICATION_
ENSG00000205571	SMN2 PPI subnetwork
ENSG00000172062	SMN1 PPI subnetwork
ENSG00000131100	ATP6V1E1 PPI subnetwork
GO:0051568	histone H3-K4 methylation
ENSG00000114841	DNAH1 PPI subnetwork
GO:0015012	heparan sulfate proteoglycan biosynthetic process
MP:0000550	abnormal forelimb morphology
GO:0009142	nucleoside triphosphate biosynthetic process
ENSG00000114867	EIF4G1 PPI subnetwork
ENSG00000136021	SCYL2 PPI subnetwork
ENSG00000142676	RPL11 PPI subnetwork
GO:0046782	regulation of viral transcription
ENSG00000113569	NUP155 PPI subnetwork
GO:0042267	natural killer cell mediated cytotoxicity
GO:0002228	natural killer cell mediated immunity
GO:0035586	purinergic receptor activity
GO:0008653	lipopolysaccharide metabolic process
GO:0032606	type I interferon production
ENSG00000085840	ORC1 PPI subnetwork
GO:0002763	positive regulation of myeloid leukocyte differentiation
ENSG00000066926	FECH PPI subnetwork
ENSG00000122965	RBM19 PPI subnetwork
ENSG00000159259	CHAF1B PPI subnetwork
MP:0009336	increased splenocyte proliferation
GO:0045137	development of primary sexual characteristics
ENSG00000183454	GRIN2A PPI subnetwork
ENSG00000118971	CCND2 PPI subnetwork
GO:0009066	aspartate family amino acid metabolic process
ENSG00000213246	SUPT4H1 PPI subnetwork
ENSG00000179041	RRS1 PPI subnetwork
GO:0060560	developmental growth involved in morphogenesis
ENSG00000121083	DYNLL2 PPI subnetwork
ENSG00000164171	ITGA2 PPI subnetwork
GO:0019935	cyclic-nucleotide-mediated signaling
ENSG00000120265	PCMT1 PPI subnetwork
ENSG00000164134	NAA15 PPI subnetwork
ENSG00000101306	MYLK2 PPI subnetwork
ENSG00000172175	MALT1 PPI subnetwork

ENSG00000075884	ARHGAP15 PPI subnetwork
GO:0045880	positive regulation of smoothened signaling pathway
GO:0002831	regulation of response to biotic stimulus
ENSG00000165733	BMS1 PPI subnetwork
GO:0043101	purine-containing compound salvage
GO:0007548	sex differentiation
GO:0032784	regulation of transcription elongation, DNA-dependent
GO:0045095	keratin filament
GO:0030521	androgen receptor signaling pathway
GO:2000179	positive regulation of neural precursor cell proliferation
ENSG00000131153	GINS2 PPI subnetwork
ENSG00000198677	TTC37 PPI subnetwork
GO:0006325	chromatin organization
ENSG00000114166	KAT2B PPI subnetwork
ENSG00000139970	RTN1 PPI subnetwork
REACTOME_TRNA_AMINOACYLATION	REACTOME_TRNA_AMINOACYLATION
GO:0033059	cellular pigmentation
ENSG00000196628	TCF4 PPI subnetwork
GO:0005882	intermediate filament
GO:0008250	oligosaccharyltransferase complex
ENSG00000130713	EXOSC2 PPI subnetwork
ENSG00000172315	TP53RK PPI subnetwork
GO:0031256	leading edge membrane
REACTOME_AMINE_COMPOUND_SLC_TRA	REACTOME_AMINE_COMPOUND_SLC_TRANSPORTERS
ENSG00000120802	TMPO PPI subnetwork
GO:0090183	regulation of kidney development
GO:0006417	regulation of translation
MP:0002650	abnormal ameloblast morphology
GO:0031018	endocrine pancreas development
GO:0016604	nuclear body
ENSG00000108518	PFN1 PPI subnetwork
GO:0016594	glycine binding
ENSG00000117222	RBBP5 PPI subnetwork
REACTOME_TRAFFICKING_OF_GLUR2:CONT	REACTOME_TRAFFICKING_OF_GLUR2:CONTAINING_AMPA_RE
KEGG_TASTE_TRANSDUCTION	KEGG_TASTE_TRANSDUCTION
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_TERMINA
GO:0030042	actin filament depolymerization
GO:0001912	positive regulation of leukocyte mediated cytotoxicity
ENSG00000148308	GTF3C5 PPI subnetwork
GO:0006754	ATP biosynthetic process
GO:0001702	gastrulation with mouth forming second
GO:0000118	histone deacetylase complex
GO:0033189	response to vitamin A
ENSG00000143398	PIP5K1A PPI subnetwork
GO:0021761	limbic system development
ENSG00000130787	HIP1R PPI subnetwork
ENSG00000136045	PWP1 PPI subnetwork
GO:0045165	cell fate commitment
GO:0072659	protein localization in plasma membrane
ENSG00000106105	GARS PPI subnetwork

MP:0011290	decreased nephron number
MP:0003056	abnormal hyoid bone morphology
ENSG00000198851	CD3E PPI subnetwork
MP:0004738	abnormal brainstem auditory evoked potential
ENSG00000174227	PIGG PPI subnetwork
REACTOME_PROSTACYCLIN_SIGNALLING_T	REACTOME_PROSTACYCLIN_SIGNALLING_THROUGH_PROSTA
MP:0001077	abnormal spinal nerve morphology
REACTOME_G:PROTEIN_ACTIVATION	REACTOME_G:PROTEIN_ACTIVATION
MP:0004324	vestibular hair cell degeneration
ENSG00000103275	UBE2I PPI subnetwork
ENSG00000198265	HELZ PPI subnetwork
MP:0003050	abnormal sacral vertebrae morphology
GO:0030136	clathrin-coated vesicle
REACTOME_ACETYLCHOLINE_NEUROTRANS	REACTOME_ACETYLCHOLINE_NEUROTRANSMITTER_RELEASE_
ENSG00000110448	CD5 PPI subnetwork
GO:0045619	regulation of lymphocyte differentiation
GO:0006740	NADPH regeneration
ENSG00000111802	TDP2 PPI subnetwork
GO:0000301	retrograde transport, vesicle recycling within Golgi
ENSG00000126522	ASL PPI subnetwork
REACTOME_CLASS_B2_SECRETIN_FAMILY_	REACTOME_CLASS_B2_SECRETIN_FAMILY_RECEPTORS
ENSG00000076604	TRAF4 PPI subnetwork
REACTOME_FORMATION_OF_THE_EARLY_I	REACTOME_FORMATION_OF_THE_EARLY_ELONGATION_COM
REACTOME_FORMATION_OF_THE_HIV:1_E	REACTOME_FORMATION_OF_THE_HIV:1_EARLY_ELONGATIOI
GO:0048524	positive regulation of viral reproduction
GO:0043189	H4/H2A histone acetyltransferase complex
MP:0000154	rib fusion
ENSG00000099246	RAB18 PPI subnetwork
REACTOME_NCAM1_INTERACTIONS	REACTOME_NCAM1_INTERACTIONS
GO:0030835	negative regulation of actin filament depolymerization
MP:0000690	absent spleen
MP:0008277	abnormal sternum ossification
GO:0003179	heart valve morphogenesis
GO:0008378	galactosyltransferase activity
ENSG00000183474	GTF2H2C PPI subnetwork
MP:0004994	abnormal brain wave pattern
GO:0042375	quinone cofactor metabolic process
GO:0033121	regulation of purine nucleotide catabolic process
GO:0030811	regulation of nucleotide catabolic process
GO:0004576	oligosaccharyl transferase activity
ENSG00000161800	RACGAP1 PPI subnetwork
GO:0033124	regulation of GTP catabolic process
ENSG00000203852	HIST2H3A PPI subnetwork
GO:0032647	regulation of interferon-alpha production
GO:0032607	interferon-alpha production
REACTOME_APCCDC20_MEDIATED_DEGR	REACTOME_APCCDC20_MEDIATED_DEGRADATION_OF_CYC
ENSG00000145649	GZMA PPI subnetwork
ENSG00000198744	ENSG00000198744 PPI subnetwork
ENSG00000185920	PTCH1 PPI subnetwork
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	KEGG_AMINOACYL_TRNA_BIOSYNTHESIS

ENSG00000134899	ERCC5 PPI subnetwork
ENSG00000139546	TARBP2 PPI subnetwork
GO:0033044	regulation of chromosome organization
MP:0001127	small ovary
GO:0031424	keratinization
ENSG00000103496	STX4 PPI subnetwork
ENSG00000165629	ATP5C1 PPI subnetwork
ENSG00000185658	BRWD1 PPI subnetwork
REACTOME_P2Y_RECEPTORS	REACTOME_P2Y_RECEPTORS
ENSG00000112651	MRPL2 PPI subnetwork
ENSG00000164611	PTTG1 PPI subnetwork
GO:0000045	autophagic vacuole assembly
GO:0055013	cardiac muscle cell development
GO:0055006	cardiac cell development
GO:0035064	methylated histone residue binding
GO:0051187	cofactor catabolic process
GO:0000245	spliceosomal complex assembly
ENSG00000129170	CSRP3 PPI subnetwork
ENSG00000039560	RAI14 PPI subnetwork
MP:0000876	Purkinje cell degeneration
GO:0006997	nucleus organization
ENSG00000119689	DLST PPI subnetwork
ENSG00000198755	RPL10A PPI subnetwork
REACTOME_TCR_SIGNALING	REACTOME_TCR_SIGNALING
GO:0050767	regulation of neurogenesis
GO:0051020	GTPase binding
ENSG00000158560	DYNC1I1 PPI subnetwork
GO:0051540	metal cluster binding
GO:0051536	iron-sulfur cluster binding
MP:0000552	abnormal radius morphology
ENSG00000119888	EPCAM PPI subnetwork
ENSG00000129351	ILF3 PPI subnetwork
MP:0002741	small olfactory bulb
ENSG00000173534	ENSG00000173534 PPI subnetwork
ENSG00000170847	ENSG00000170847 PPI subnetwork
ENSG00000158195	WASF2 PPI subnetwork
MP:0002016	ovary cysts
ENSG00000135940	COX5B PPI subnetwork
MP:0001900	impaired synaptic plasticity
ENSG00000187079	TEAD1 PPI subnetwork
ENSG00000145425	RPS3A PPI subnetwork
ENSG00000149923	PPP4C PPI subnetwork
MP:0011448	decreased dopaminergic neuron number
ENSG00000112118	MCM3 PPI subnetwork
ENSG00000184110	EIF3C PPI subnetwork
ENSG00000008056	SYN1 PPI subnetwork
ENSG00000165684	SNAPC4 PPI subnetwork
GO:0031343	positive regulation of cell killing
GO:0000178	exosome (RNase complex)
MP:0004204	absent stapes

ENSG00000125630	POLR1B PPI subnetwork
REACTOME_AMINE:DERIVED_HORMONES	REACTOME_AMINE:DERIVED_HORMONES
ENSG00000167978	SRRM2 PPI subnetwork
GO:0048732	gland development
MP:0005157	holoprosencephaly
REACTOME_G:PROTEIN_BETAGAMMA_SIGI	REACTOME_G:PROTEIN_BETAGAMMA_SIGNALLING
GO:0060487	lung epithelial cell differentiation
MP:0000125	absent incisors
GO:0016445	somatic diversification of immunoglobulins
ENSG00000085662	AKR1B1 PPI subnetwork
ENSG00000150086	GRIN2B PPI subnetwork
MP:0005353	abnormal patella morphology
GO:0006140	regulation of nucleotide metabolic process
REACTOME_G2M_CHECKPOINTS	REACTOME_G2M_CHECKPOINTS
ENSG00000105372	RPS19 PPI subnetwork
ENSG00000174446	SNAPC5 PPI subnetwork
ENSG00000211790	ENSG00000211790 PPI subnetwork
ENSG00000143621	ILF2 PPI subnetwork
ENSG00000092330	TINF2 PPI subnetwork
MP:0001970	abnormal pain threshold
GO:0032633	interleukin-4 production
MP:0000747	muscle weakness
ENSG00000101003	GINS1 PPI subnetwork
ENSG00000105894	PTN PPI subnetwork
GO:0015116	sulfate transmembrane transporter activity
GO:0001822	kidney development
GO:0060443	mammary gland morphogenesis
MP:0001939	secondary sex reversal
REACTOME_SYNTHESIS_OF_GLYCOSYLPHOS	REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITC
ENSG00000132603	NIP7 PPI subnetwork
ENSG00000196735	HLA-DQA1 PPI subnetwork
ENSG00000211889	ENSG00000211889 PPI subnetwork
ENSG00000115946	PNO1 PPI subnetwork
ENSG00000067606	PRKCZ PPI subnetwork
MP:0004310	small otic vesicle
ENSG00000197265	GTF2E2 PPI subnetwork
GO:0071564	npBAF complex
ENSG00000160220	ENSG00000160220 PPI subnetwork
GO:0007398	ectoderm development
GO:0070888	E-box binding
GO:0048486	parasympathetic nervous system development
ENSG00000142937	RPS8 PPI subnetwork
ENSG00000167721	TSR1 PPI subnetwork
ENSG00000008735	MAPK8IP2 PPI subnetwork
ENSG00000140600	SH3GL3 PPI subnetwork
ENSG00000109107	ALDOC PPI subnetwork
ENSG00000117395	EBNA1BP2 PPI subnetwork
ENSG00000006634	DBF4 PPI subnetwork
ENSG00000115685	PPP1R7 PPI subnetwork
ENSG00000145555	MYO10 PPI subnetwork

MP:0002932	abnormal joint morphology
GO:0007507	heart development
MP:0002066	abnormal motor capabilities/coordination/movement
MP:0001898	abnormal long term depression
MP:0002260	abnormal thyroid cartilage morphology
ENSG00000162419	GMEB1 PPI subnetwork
MP:0003728	abnormal retinal photoreceptor layer morphology
ENSG00000155111	CDK19 PPI subnetwork
GO:0001782	B cell homeostasis
GO:0042698	ovulation cycle
ENSG00000013455	ENSG00000013455 PPI subnetwork
MP:0000243	myoclonus
ENSG00000121022	COPS5 PPI subnetwork
GO:0016338	calcium-independent cell-cell adhesion
MP:0005545	abnormal lens development
ENSG00000144744	UBA3 PPI subnetwork
GO:0002407	dendritic cell chemotaxis
MP:0002239	abnormal nasal septum morphology
ENSG00000076944	STXBP2 PPI subnetwork
ENSG00000121892	PDS5A PPI subnetwork
ENSG00000152795	HNRPDL PPI subnetwork
MP:0010903	abnormal pulmonary alveolus wall morphology
MP:0004936	impaired branching involved in ureteric bud morphogenesis
ENSG00000170035	UBE2E3 PPI subnetwork
ENSG00000108294	PSMB3 PPI subnetwork
GO:0046112	nucleobase biosynthetic process
MP:0009886	failure of palatal shelf elevation
GO:0001727	lipid kinase activity
ENSG00000160803	UBQLN4 PPI subnetwork
ENSG00000213380	COG8 PPI subnetwork
GO:0060479	lung cell differentiation
GO:0048286	lung alveolus development
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRONLES
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_PRE:MRI
ENSG00000072415	MPP5 PPI subnetwork
ENSG00000096150	RPS18 PPI subnetwork
ENSG00000206212	ENSG00000206212 PPI subnetwork
ENSG00000182498	ENSG00000182498 PPI subnetwork
ENSG00000116455	WDR77 PPI subnetwork
ENSG00000147536	GINS4 PPI subnetwork
ENSG00000121390	PSPC1 PPI subnetwork
MP:0008482	decreased spleen germinal center number
GO:0060562	epithelial tube morphogenesis
GO:0042100	B cell proliferation
REACTOME_G1S:SPECIFIC_TRANSCRIPTION	REACTOME_G1S:SPECIFIC_TRANSCRIPTION
ENSG00000211810	ENSG00000211810 PPI subnetwork
ENSG00000211799	ENSG00000211799 PPI subnetwork
ENSG00000211735	ENSG00000211735 PPI subnetwork
ENSG00000211739	ENSG00000211739 PPI subnetwork
MP:0002106	abnormal muscle physiology

GO:0030165	PDZ domain binding
GO:0048705	skeletal system morphogenesis
GO:0006144	purine base metabolic process
ENSG00000068305	MEF2A PPI subnetwork
ENSG00000125266	EFNB2 PPI subnetwork
ENSG00000120805	ARL1 PPI subnetwork
GO:0030529	ribonucleoprotein complex
ENSG00000116213	WRAP73 PPI subnetwork
GO:0043240	Fanconi anaemia nuclear complex
GO:0021543	pallium development
GO:0016558	protein import into peroxisome matrix
ENSG00000144061	NPHP1 PPI subnetwork
GO:0014013	regulation of gliogenesis
MP:0002100	abnormal tooth morphology
GO:0001660	fever generation
ENSG00000130204	TOMM40 PPI subnetwork
GO:0005164	tumor necrosis factor receptor binding
GO:0007088	regulation of mitosis
GO:0051783	regulation of nuclear division
ENSG00000206229	ENSG00000206229 PPI subnetwork
ENSG00000206293	ENSG00000206293 PPI subnetwork
ENSG00000204257	HLA-DMA PPI subnetwork
ENSG00000185122	HSF1 PPI subnetwork
ENSG00000078967	UBE2D4 PPI subnetwork
GO:0045259	proton-transporting ATP synthase complex
GO:0009264	deoxyribonucleotide catabolic process
ENSG00000067560	RHOA PPI subnetwork
ENSG00000105640	RPL18A PPI subnetwork
ENSG00000141101	NOB1 PPI subnetwork
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_GLUC
MP:0009403	increased variability of skeletal muscle fiber size
ENSG00000160633	SAFB PPI subnetwork
REACTOME_UNWINDING_OF_DNA	REACTOME_UNWINDING_OF_DNA
MP:0002672	abnormal branchial arch artery morphology
ENSG00000155957	TMBIM4 PPI subnetwork
ENSG00000111716	LDHB PPI subnetwork
ENSG00000203813	HIST1H3H PPI subnetwork
GO:0033043	regulation of organelle organization
GO:0009067	aspartate family amino acid biosynthetic process
MP:0000111	cleft palate
REACTOME_P38MAPK_EVENTS	REACTOME_P38MAPK_EVENTS
MP:0000955	abnormal spinal cord morphology
GO:0043966	histone H3 acetylation
ENSG00000168530	MYL1 PPI subnetwork
GO:0035267	NuA4 histone acetyltransferase complex
GO:2000177	regulation of neural precursor cell proliferation
GO:0007346	regulation of mitotic cell cycle
REACTOME_RNA_POLYMERASE_I_RNA_PO	REACTOME_RNA_POLYMERASE_I_RNA_POLYMERASE_III_ANI
MP:0002007	increased cellular sensitivity to gamma-irradiation
ENSG00000024048	UBR2 PPI subnetwork

MP:0004401	increased cochlear outer hair cell number
REACTOME_PROCESSING_OF_INTRONLESS_	REACTOME_PROCESSING_OF_INTRONLESS_PRE:MRNAS
ENSG00000111364	DDX55 PPI subnetwork
GO:0000217	DNA secondary structure binding
GO:0031577	spindle checkpoint
ENSG00000131069	ACSS2 PPI subnetwork
GO:0050434	positive regulation of viral transcription
GO:0030834	regulation of actin filament depolymerization
ENSG00000114062	UBE3A PPI subnetwork
GO:0048846	axon extension involved in axon guidance
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_INITIATIO
GO:0070469	respiratory chain
ENSG00000118181	RPS25 PPI subnetwork
ENSG00000168522	FNTA PPI subnetwork
GO:0051436	negative regulation of ubiquitin-protein ligase activity involvec
GO:0051385	response to mineralocorticoid stimulus
ENSG00000126457	PRMT1 PPI subnetwork
REACTOME_TRANSCRIPTION:COUPLED_NEI	REACTOME_TRANSCRIPTION:COUPLED_NER_TC:NER
GO:0051648	vesicle localization
ENSG00000178028	DMAP1 PPI subnetwork
MP:0003722	absent ureter
GO:0006497	protein lipidation
GO:0016055	Wnt receptor signaling pathway
GO:0006098	pentose-phosphate shunt
GO:0051969	regulation of transmission of nerve impulse
MP:0000519	hydronephrosis
ENSG00000114554	PLXNA1 PPI subnetwork
GO:0006586	indolalkylamine metabolic process
GO:0042430	indole-containing compound metabolic process
GO:0030433	ER-associated protein catabolic process
ENSG00000158869	FCER1G PPI subnetwork
ENSG00000115252	PDE1A PPI subnetwork
GO:0055067	monovalent inorganic cation homeostasis
ENSG00000162928	PEX13 PPI subnetwork
ENSG00000070808	CAMK2A PPI subnetwork
GO:0043161	proteasomal ubiquitin-dependent protein catabolic process
ENSG00000129991	TNNI3 PPI subnetwork
KEGG_BASE_EXCISION_REPAIR	KEGG_BASE_EXCISION_REPAIR
GO:0001708	cell fate specification
ENSG00000145494	NDUFS6 PPI subnetwork
GO:0003170	heart valve development
MP:0003936	abnormal reproductive system development
REACTOME_GENERATION_OF_SECOND_ME	REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLEC
MP:0001410	head bobbing
MP:0001404	no spontaneous movement
GO:0060198	clathrin sculpted vesicle
ENSG00000188976	NOC2L PPI subnetwork
ENSG00000125885	MCM8 PPI subnetwork
ENSG00000119392	GLE1 PPI subnetwork
ENSG00000172116	CD8B PPI subnetwork

ENSG00000128692	ENSG00000128692 PPI subnetwork
ENSG00000155438	MKI67IP PPI subnetwork
ENSG00000182359	KBTBD3 PPI subnetwork
GO:0030518	intracellular steroid hormone receptor signaling pathway
GO:0010770	positive regulation of cell morphogenesis involved in different
ENSG00000100568	VTI1B PPI subnetwork
GO:0009201	ribonucleoside triphosphate biosynthetic process
ENSG00000065534	MYLK PPI subnetwork
GO:0032653	regulation of interleukin-10 production
GO:0008343	adult feeding behavior
ENSG00000123737	EXOSC9 PPI subnetwork
MP:0003047	abnormal thoracic vertebrae morphology
ENSG00000073111	MCM2 PPI subnetwork
ENSG00000157349	DDX19B PPI subnetwork
GO:0055123	digestive system development
REACTOME_MITOCHONDRIAL_TRNA_AMIN	REACTOME_MITOCHONDRIAL_TRNA_AMINOACYLATION
ENSG00000065613	SLK PPI subnetwork
GO:0016502	nucleotide receptor activity
GO:0001614	purinergic nucleotide receptor activity
ENSG00000071082	RPL31 PPI subnetwork
ENSG00000149480	MTA2 PPI subnetwork
MP:0004736	abnormal distortion product otoacoustic emission
ENSG00000117266	CDK18 PPI subnetwork
MP:0000562	polydactyly
MP:0001473	reduced long term potentiation
GO:0032589	neuron projection membrane
GO:0022627	cytosolic small ribosomal subunit
GO:0045577	regulation of B cell differentiation
GO:0015491	cation:cation antiporter activity
ENSG00000130779	CLIP1 PPI subnetwork
ENSG00000114854	TNNC1 PPI subnetwork
GO:0043130	ubiquitin binding
REACTOME_CONVERSION_FROM_APCCCDC	REACTOME_CONVERSION_FROM_APCCCDC20_TO_APCCCDH1
ENSG00000138696	BMPR1B PPI subnetwork
MP:0002407	abnormal double-negative T cell morphology
MP:0006011	abnormal endolymphatic duct morphology
ENSG00000179222	MAGED1 PPI subnetwork
ENSG00000185518	SV2B PPI subnetwork
ENSG00000198130	HIBCH PPI subnetwork
ENSG00000138071	ACTR2 PPI subnetwork
ENSG00000152818	UTRN PPI subnetwork
ENSG00000104312	RIPK2 PPI subnetwork
ENSG00000114030	KPNA1 PPI subnetwork
GO:0030426	growth cone
GO:0048588	developmental cell growth
ENSG00000115254	ENSG00000115254 PPI subnetwork
ENSG00000143771	CNIH4 PPI subnetwork
ENSG00000135972	MRPS9 PPI subnetwork
GO:0006040	amino sugar metabolic process
GO:0045995	regulation of embryonic development

ENSG00000116459	ATP5F1 PPI subnetwork
GO:0030684	preribosome
ENSG00000160654	CD3G PPI subnetwork
ENSG00000186879	ENSG00000186879 PPI subnetwork
REACTOME_TRANSLATION	REACTOME_TRANSLATION
GO:0051960	regulation of nervous system development
GO:0060688	regulation of morphogenesis of a branching structure
KEGG_GNRH_SIGNALING_PATHWAY	KEGG_GNRH_SIGNALING_PATHWAY
MP:0002856	abnormal vestibular ganglion morphology
MP:0008947	increased neuron number
REACTOME_CHAPERONIN:MEDIATED_PRO	REACTOME_CHAPERONIN:MEDIATED_PROTEIN_FOLDING
MP:0002894	abnormal otolith morphology
ENSG00000164815	ORC5 PPI subnetwork
GO:0019212	phosphatase inhibitor activity
ENSG00000100883	SRP54 PPI subnetwork
GO:0000146	microfilament motor activity
GO:0060997	dendritic spine morphogenesis
GO:0097061	dendritic spine organization
ENSG00000116288	PARK7 PPI subnetwork
ENSG00000204273	ENSG00000204273 PPI subnetwork
ENSG00000168399	ENSG00000168399 PPI subnetwork
GO:0003730	mRNA 3'-UTR binding
GO:0019941	modification-dependent protein catabolic process
GO:0000977	RNA polymerase II regulatory region sequence-specific DNA bi
ENSG00000141446	ESCO1 PPI subnetwork
ENSG00000204394	VARS PPI subnetwork
ENSG00000096171	VARS PPI subnetwork
ENSG00000177469	PTRF PPI subnetwork
GO:0043022	ribosome binding
ENSG00000198211	TUBB3 PPI subnetwork
ENSG00000105486	LIG1 PPI subnetwork
ENSG00000179632	MAF1 PPI subnetwork
GO:0006511	ubiquitin-dependent protein catabolic process
ENSG00000140988	RPS2 PPI subnetwork
GO:0006921	cellular component disassembly involved in apoptotic process
ENSG00000124299	PEPD PPI subnetwork
ENSG00000143851	PTPN7 PPI subnetwork
REACTOME_ORGANIC_CATIONANIONZWIT	REACTOME_ORGANIC_CATIONANIONZWITTERION_TRANSPOF
ENSG00000148180	GSN PPI subnetwork
ENSG00000044524	EPHA3 PPI subnetwork
MP:0003235	abnormal alisphenoid bone morphology
GO:0051539	4 iron, 4 sulfur cluster binding
GO:0000228	nuclear chromosome
GO:0006939	smooth muscle contraction
GO:0046134	pyrimidine nucleoside biosynthetic process
GO:0042770	signal transduction in response to DNA damage
ENSG00000090989	EXOC1 PPI subnetwork
GO:0008484	sulfuric ester hydrolase activity
GO:0006470	protein dephosphorylation
REACTOME_PACKAGING_OF_TELOMERE_E	REACTOME_PACKAGING_OF_TELOMERE_ENDS

ENSG00000135336	ORC3 PPI subnetwork
ENSG00000009830	POMT2 PPI subnetwork
GO:0007183	SMAD protein complex assembly
GO:0043270	positive regulation of ion transport
MP:0004174	abnormal spine curvature
ENSG00000167491	GATAD2A PPI subnetwork
GO:0031672	A band
ENSG00000050405	LIMA1 PPI subnetwork
ENSG00000198042	MAK16 PPI subnetwork
ENSG00000206211	ENSG00000206211 PPI subnetwork
ENSG00000206283	PFDN6 PPI subnetwork
ENSG00000204220	PFDN6 PPI subnetwork
GO:0016236	macroautophagy
ENSG00000127955	GNAI1 PPI subnetwork
ENSG00000142534	RPS11 PPI subnetwork
GO:0001825	blastocyst formation
ENSG00000072952	MRVI1 PPI subnetwork
ENSG00000135338	LCA5 PPI subnetwork
ENSG00000065054	SLC9A3R2 PPI subnetwork
ENSG00000130758	MAP3K10 PPI subnetwork
ENSG00000122406	RPL5 PPI subnetwork
REACTOME_FORMATION_OF_ATP_BY_CHE	REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUI
GO:0007405	neuroblast proliferation
GO:0015297	antiporter activity
GO:0007005	mitochondrion organization
ENSG00000164885	CDK5 PPI subnetwork
MP:0001525	impaired balance
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRIC	KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYC
ENSG00000102977	ACD PPI subnetwork
REACTOME_NACL:_DEPENDENT_NEUROTR	REACTOME_NACL:_DEPENDENT_NEUROTRANSMITTER_TRAN
GO:0050688	regulation of defense response to virus
ENSG00000131508	UBE2D2 PPI subnetwork
ENSG00000161681	SHANK1 PPI subnetwork
ENSG00000133477	FAM83F PPI subnetwork
MP:0000740	impaired smooth muscle contractility
GO:0048365	Rac GTPase binding
ENSG00000166170	BAG5 PPI subnetwork
ENSG00000078043	PIAS2 PPI subnetwork
GO:0002063	chondrocyte development
ENSG00000106400	ZNHIT1 PPI subnetwork
ENSG00000169714	CNBP PPI subnetwork
GO:0035282	segmentation
ENSG00000108819	ENSG00000108819 PPI subnetwork
KEGG_ALDOSTERONE_REGULATED_SODIUI	KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION
REACTOME_GAP_JUNCTION_TRAFFICKING	REACTOME_GAP_JUNCTION_TRAFFICKING
GO:0031581	hemidesmosome assembly
ENSG00000129460	NGDN PPI subnetwork
GO:0009988	cell-cell recognition
ENSG00000198938	MT-CO3 PPI subnetwork
GO:0003073	regulation of systemic arterial blood pressure

ENSG00000143614	GATAD2B PPI subnetwork
GO:0006607	NLS-bearing substrate import into nucleus
ENSG00000161016	RPL8 PPI subnetwork
GO:0007411	axon guidance
GO:0021697	cerebellar cortex formation
GO:0007501	mesodermal cell fate specification
GO:0031901	early endosome membrane
GO:0007422	peripheral nervous system development
ENSG00000129465	RIPK3 PPI subnetwork
ENSG00000039123	SKIV2L2 PPI subnetwork
GO:0003777	microtubule motor activity
MP:0001706	abnormal left-right axis patterning
ENSG00000107262	BAG1 PPI subnetwork
GO:0005732	small nucleolar ribonucleoprotein complex
MP:0000049	abnormal middle ear morphology
ENSG00000156697	UTP14A PPI subnetwork
MP:0003864	abnormal midbrain development
MP:0002666	increased circulating aldosterone level
ENSG00000212874	ENSG00000212874 PPI subnetwork
ENSG00000198712	MT-CO2 PPI subnetwork
GO:0031341	regulation of cell killing
ENSG00000141959	PFKL PPI subnetwork
REACTOME_P75NTR_RECRUITS_SIGNALLIN	REACTOME_P75NTR_RECRUITS_SIGNALLING_COMPLEXES
GO:0004129	cytochrome-c oxidase activity
GO:0016676	oxidoreductase activity, acting on a heme group of donors, ox
GO:0015002	heme-copper terminal oxidase activity
GO:0050922	negative regulation of chemotaxis
GO:0005746	mitochondrial respiratory chain
GO:0032613	interleukin-10 production
GO:0071577	zinc ion transmembrane transport
GO:0009145	purine nucleoside triphosphate biosynthetic process
ENSG00000125968	ID1 PPI subnetwork
ENSG00000109534	GAR1 PPI subnetwork
MP:0000968	abnormal sensory neuron innervation pattern
GO:0048598	embryonic morphogenesis
GO:0005761	mitochondrial ribosome
GO:0000313	organellar ribosome
KEGG_MELANOGENESIS	KEGG_MELANOGENESIS
ENSG00000112851	ERBB2IP PPI subnetwork
ENSG00000212695	ENSG00000212695 PPI subnetwork
GO:0001910	regulation of leukocyte mediated cytotoxicity
ENSG00000167136	ENDOG PPI subnetwork
GO:0045687	positive regulation of glial cell differentiation
GO:0031234	extrinsic to internal side of plasma membrane
ENSG00000105364	MRPL4 PPI subnetwork
ENSG00000136273	HUS1 PPI subnetwork
GO:0043623	cellular protein complex assembly
GO:0001619	lysosphingolipid and lysophosphatidic acid receptor activity
MP:0004599	abnormal vertebral arch morphology
REACTOME_REMOVAL_OF_DNA_PATCH_C	REACTOME_REMOVAL_OF_DNA_PATCH_CONTAINING_ABASI

REACTOME_RESOLUTION_OF_AP_SITES_VI	REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE:
ENSG00000154767	XPC PPI subnetwork
GO:0030427	site of polarized growth
MP:0003817	abnormal pituitary diverticulum morphology
MP:0002544	brachydactyly
MP:0005169	abnormal male meiosis
GO:0031514	motile cilium
GO:0032735	positive regulation of interleukin-12 production
GO:0015298	solute:cation antiporter activity
MP:0004813	absent linear vestibular evoked potential
ENSG00000188687	SLC4A5 PPI subnetwork
GO:0032963	collagen metabolic process
MP:0001380	reduced male mating frequency
GO:0006818	hydrogen transport
GO:0005916	fascia adherens
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_	KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM
GO:0006378	mRNA polyadenylation
GO:0033209	tumor necrosis factor-mediated signaling pathway
GO:0050690	regulation of defense response to virus by virus
GO:0021772	olfactory bulb development
GO:0021988	olfactory lobe development
GO:0002040	sprouting angiogenesis
MP:0000852	small cerebellum
MP:0003052	omphalocele
ENSG00000141141	DDX52 PPI subnetwork
GO:0006820	anion transport
ENSG00000167306	MYO5B PPI subnetwork
ENSG00000082516	GEMIN5 PPI subnetwork
ENSG00000177380	PPFIA3 PPI subnetwork
GO:0032479	regulation of type I interferon production
GO:0046135	pyrimidine nucleoside catabolic process
ENSG00000147403	RPL10 PPI subnetwork
GO:0022602	ovulation cycle process
ENSG00000137876	RSL24D1 PPI subnetwork
ENSG00000143799	PARP1 PPI subnetwork
GO:0009206	purine ribonucleoside triphosphate biosynthetic process
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_TERMINA
GO:0048565	digestive tract development
GO:0001917	photoreceptor inner segment
MP:0003732	abnormal retinal outer plexiform layer morphology
ENSG00000062822	POLD1 PPI subnetwork
GO:0051443	positive regulation of ubiquitin-protein ligase activity
ENSG00000131747	TOP2A PPI subnetwork
ENSG00000121152	NCAPH PPI subnetwork
ENSG00000140319	SRP14 PPI subnetwork
GO:0019002	GMP binding
MP:0000031	abnormal cochlea morphology
ENSG00000206385	ENSG00000206385 PPI subnetwork
ENSG00000137337	MDC1 PPI subnetwork
REACTOME_CELL:EXTRACELLULAR_MATRIX	REACTOME_CELL:EXTRACELLULAR_MATRIX_INTERACTIONS

GO:0000018	regulation of DNA recombination
MP:0002736	abnormal nociception after inflammation
GO:0043218	compact myelin
ENSG00000063245	EPN1 PPI subnetwork
ENSG00000169992	NLGN2 PPI subnetwork
ENSG00000137693	YAP1 PPI subnetwork
GO:0022890	inorganic cation transmembrane transporter activity
ENSG00000133318	RTN3 PPI subnetwork
ENSG00000079841	RIMS1 PPI subnetwork
MP:0004110	transposition of great arteries
ENSG00000165996	PTPLA PPI subnetwork
GO:0040029	regulation of gene expression, epigenetic
MP:0002563	shortened circadian period
GO:0030900	forebrain development
ENSG00000196943	C14orf21 PPI subnetwork
ENSG00000152137	HSPB8 PPI subnetwork
REACTOME_ACTIVATION_OF_THE_MRNA_I	REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_O
ENSG00000167083	GNGT2 PPI subnetwork
GO:0004540	ribonuclease activity
GO:0072210	metanephric nephron development
ENSG00000078369	GNB1 PPI subnetwork
ENSG00000077522	ACTN2 PPI subnetwork
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYN
GO:0045815	positive regulation of gene expression, epigenetic
ENSG00000170248	PDCD6IP PPI subnetwork
MP:0008528	polycystic kidney
GO:0002312	B cell activation involved in immune response
MP:0000029	abnormal malleus morphology
ENSG00000198728	LDB1 PPI subnetwork
GO:0001667	ameboidal cell migration
MP:0000087	absent mandible
ENSG00000139318	DUSP6 PPI subnetwork
ENSG00000197303	ENSG00000197303 PPI subnetwork
GO:0018410	C-terminal protein amino acid modification
ENSG00000111615	KRR1 PPI subnetwork
ENSG00000115053	NCL PPI subnetwork
GO:0035102	PRC1 complex
GO:0002886	regulation of myeloid leukocyte mediated immunity
MP:0002163	abnormal gland morphology
GO:0051656	establishment of organelle localization
KEGG_MELANOMA	KEGG_MELANOMA
ENSG00000156976	EIF4A2 PPI subnetwork
GO:0060444	branching involved in mammary gland duct morphogenesis
GO:0051439	regulation of ubiquitin-protein ligase activity involved in mitot
ENSG00000174469	CNTNAP2 PPI subnetwork
GO:0042440	pigment metabolic process
GO:0050770	regulation of axonogenesis
ENSG00000153563	CD8A PPI subnetwork
ENSG00000088305	DNMT3B PPI subnetwork
GO:0051437	positive regulation of ubiquitin-protein ligase activity involved

MP:0001386	abnormal maternal nurturing
ENSG00000108852	MPP2 PPI subnetwork
GO:0044452	nucleolar part
MP:0001523	impaired righting response
ENSG00000015475	BID PPI subnetwork
ENSG00000100926	TM9SF1 PPI subnetwork
REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA
REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA
GO:0006940	regulation of smooth muscle contraction
ENSG00000126778	SIX1 PPI subnetwork
GO:0016328	lateral plasma membrane
ENSG00000068793	CYFIP1 PPI subnetwork
ENSG00000029534	ANK1 PPI subnetwork
GO:0034470	ncRNA processing
ENSG00000108231	LGI1 PPI subnetwork
ENSG00000135018	UBQLN1 PPI subnetwork
GO:0060590	ATPase regulator activity
ENSG00000215467	ENSG00000215467 PPI subnetwork
GO:0006760	folic acid-containing compound metabolic process
ENSG00000065518	NDUFB4 PPI subnetwork
ENSG00000215727	ENSG00000215727 PPI subnetwork
ENSG00000124383	MPHOSPH10 PPI subnetwork
REACTOME_REPAIR_SYNTHESIS_FOR_GAP:I	REACTOME_REPAIR_SYNTHESIS_FOR_GAP:FILLING_BY_DNA_I
REACTOME_REPAIR_SYNTHESIS_OF_PATCH	REACTOME_REPAIR_SYNTHESIS_OF_PATCH_27:30_BASES_LO
ENSG00000198062	POTEH PPI subnetwork
GO:0009311	oligosaccharide metabolic process
GO:0043632	modification-dependent macromolecule catabolic process
ENSG00000102109	PCSK1N PPI subnetwork
ENSG00000140451	PIF1 PPI subnetwork
GO:0006400	tRNA modification
ENSG00000071564	TCF3 PPI subnetwork
MP:0000438	abnormal cranium morphology
MP:0003313	abnormal locomotor activation
MP:0001363	increased anxiety-related response
GO:0005814	centriole
ENSG00000154917	RAB6B PPI subnetwork
ENSG00000197558	ENSG00000197558 PPI subnetwork
ENSG00000127388	ENSG00000127388 PPI subnetwork
ENSG00000137713	PPP2R1B PPI subnetwork
GO:0006661	phosphatidylinositol biosynthetic process
GO:0031143	pseudopodium
ENSG00000107562	CXCL12 PPI subnetwork
GO:0031145	anaphase-promoting complex-dependent proteasomal ubiquit
ENSG00000136044	APPL2 PPI subnetwork
GO:0051438	regulation of ubiquitin-protein ligase activity
ENSG00000110700	RPS13 PPI subnetwork
GO:0015872	dopamine transport
ENSG00000175390	EIF3F PPI subnetwork
GO:0003924	GTPase activity
ENSG00000176108	CHMP6 PPI subnetwork

ENSG00000198242	RPL23A PPI subnetwork
ENSG00000080608	KIAA0020 PPI subnetwork
GO:0008016	regulation of heart contraction
GO:0048709	oligodendrocyte differentiation
MP:0005358	abnormal incisor morphology
KEGG_NON_HOMOLOGOUS_END_JOINING	KEGG_NON_HOMOLOGOUS_END_JOINING
ENSG00000142599	RERE PPI subnetwork
ENSG00000113812	ACTR8 PPI subnetwork
GO:0034976	response to endoplasmic reticulum stress
ENSG00000100029	PES1 PPI subnetwork
ENSG00000129473	BCL2L2 PPI subnetwork
ENSG00000171490	RSL1D1 PPI subnetwork
ENSG00000160867	FGFR4 PPI subnetwork
MP:0000242	impaired fertilization
MP:0008045	decreased NK cell number
MP:0003324	increased liver adenoma incidence
GO:0048730	epidermis morphogenesis
ENSG00000100170	SLC5A1 PPI subnetwork
ENSG00000099389	ENSG00000099389 PPI subnetwork
ENSG00000084207	GSTP1 PPI subnetwork
GO:0006839	mitochondrial transport
GO:0043028	cysteine-type endopeptidase regulator activity involved in apc
GO:2000241	regulation of reproductive process
GO:0001958	endochondral ossification
GO:0070227	lymphocyte apoptotic process
GO:0048002	antigen processing and presentation of peptide antigen
MP:0000644	dextrocardia
ENSG00000214485	ENSG00000214485 PPI subnetwork
ENSG00000116095	PLEKHA3 PPI subnetwork
MP:0004045	abnormal cell cycle checkpoint function
ENSG00000205609	EIF3CL PPI subnetwork
MP:0004101	abnormal brain interneuron morphology
ENSG00000178741	COX5A PPI subnetwork
ENSG00000109911	ELP4 PPI subnetwork
GO:0031397	negative regulation of protein ubiquitination
ENSG00000117091	CD48 PPI subnetwork
ENSG00000159023	EPB41 PPI subnetwork
GO:0046519	sphingoid metabolic process
ENSG00000052723	SIKE1 PPI subnetwork
GO:0043300	regulation of leukocyte degranulation
ENSG00000163960	UBXN7 PPI subnetwork
GO:0006914	autophagy
KEGG_PATHOGENIC_ESCHERICHIA_COLI_IN	KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION
ENSG00000131462	TUBG1 PPI subnetwork
MP:0008451	retinal rod cell degeneration
MP:0003938	abnormal ear development
GO:0051444	negative regulation of ubiquitin-protein ligase activity
GO:0051352	negative regulation of ligase activity
ENSG00000067191	CACNB1 PPI subnetwork
ENSG00000211762	ENSG00000211762 PPI subnetwork

ENSG00000087250	MT3 PPI subnetwork
GO:0051537	2 iron, 2 sulfur cluster binding
ENSG00000063177	RPL18 PPI subnetwork
GO:0042537	benzene-containing compound metabolic process
ENSG00000112992	NNT PPI subnetwork
GO:0071173	spindle assembly checkpoint
ENSG00000173156	RHOD PPI subnetwork
GO:0022411	cellular component disassembly
GO:0019933	cAMP-mediated signaling
MP:0008088	abnormal T-helper 1 cell differentiation
ENSG00000152822	GRM1 PPI subnetwork
GO:0005003	ephrin receptor activity
REACTOME_ACTIVATION_OF_THE_PRE:REP	REACTOME_ACTIVATION_OF_THE_PRE:REPLICATIVE_COMPLE
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI(
ENSG00000185825	BCAP31 PPI subnetwork
ENSG00000090054	SPTLC1 PPI subnetwork
ENSG00000137054	POLR1E PPI subnetwork
GO:0015992	proton transport
MP:0004409	abnormal crista ampullaris neuroepithelium morphology
GO:0006664	glycolipid metabolic process
ENSG00000150990	DHX37 PPI subnetwork
GO:0002474	antigen processing and presentation of peptide antigen via MI
ENSG00000100612	DHRS7 PPI subnetwork
ENSG00000038274	MAT2B PPI subnetwork
MP:0004737	absent distortion product otoacoustic emissions
GO:0010498	proteasomal protein catabolic process
ENSG00000171314	PGAM1 PPI subnetwork
GO:0043588	skin development
GO:0030071	regulation of mitotic metaphase/anaphase transition
GO:0045454	cell redox homeostasis
ENSG00000007312	CD79B PPI subnetwork
ENSG00000163082	SGPP2 PPI subnetwork
GO:0031527	filopodium membrane
ENSG00000120699	EXOSC8 PPI subnetwork
MP:0004028	chromosome breakage
GO:0021987	cerebral cortex development
GO:0045851	pH reduction
ENSG00000065427	KARS PPI subnetwork
GO:0032526	response to retinoic acid
ENSG00000185532	PRKG1 PPI subnetwork
ENSG00000204361	FAM55B PPI subnetwork
ENSG00000182944	EWSR1 PPI subnetwork
GO:0048285	organelle fission
GO:0022406	membrane docking
GO:0006220	pyrimidine nucleotide metabolic process
GO:0005109	frizzled binding
MP:0000334	decreased granulocyte number
GO:0014003	oligodendrocyte development
GO:0016573	histone acetylation
GO:0008543	fibroblast growth factor receptor signaling pathway

ENSG00000007047	MARK4 PPI subnetwork
GO:0006103	2-oxoglutarate metabolic process
GO:0045445	myoblast differentiation
GO:0031056	regulation of histone modification
GO:0000080	G1 phase of mitotic cell cycle
ENSG00000174547	MRPL11 PPI subnetwork
GO:0006968	cellular defense response
ENSG00000159164	SV2A PPI subnetwork
ENSG00000197958	RPL12 PPI subnetwork
GO:0016514	SWI/SNF complex
ENSG00000185630	PBX1 PPI subnetwork
GO:0015934	large ribosomal subunit
GO:0051058	negative regulation of small GTPase mediated signal transduct
REACTOME_DEPOSITION_OF_NEW_CENPA	REACTOME_DEPOSITION_OF_NEW_CENPA:CONTAINING_NUC
REACTOME_NUCLEOSOME_ASSEMBLY	REACTOME_NUCLEOSOME_ASSEMBLY
ENSG00000166848	TERF2IP PPI subnetwork
GO:0000087	M phase of mitotic cell cycle
ENSG00000075673	ATP12A PPI subnetwork
ENSG00000178127	NDUFV2 PPI subnetwork
ENSG00000186468	RPS23 PPI subnetwork
MP:0008898	abnormal acrosome morphology
ENSG00000134202	GSTM3 PPI subnetwork
REACTOME_CLASS_C3_METABOTROPIC_GL	REACTOME_CLASS_C3_METABOTROPIC_GLUTAMATEPHEROM
GO:0007094	mitotic cell cycle spindle assembly checkpoint
GO:0032182	small conjugating protein binding
ENSG00000183691	NOG PPI subnetwork
ENSG00000196331	HIST1H2BO PPI subnetwork
ENSG00000188486	H2AFX PPI subnetwork
GO:0015844	monoamine transport
MP:0004632	abnormal cochlear OHC efferent innervation pattern
MP:0003729	abnormal photoreceptor outer segment morphology
ENSG00000141380	SS18 PPI subnetwork
ENSG00000168646	AXIN2 PPI subnetwork
ENSG00000137841	PLCB2 PPI subnetwork
ENSG00000198366	HIST1H3A PPI subnetwork
ENSG00000196966	HIST1H3E PPI subnetwork
ENSG00000182572	HIST1H3I PPI subnetwork
ENSG00000196532	HIST1H3C PPI subnetwork
ENSG00000112727	ENSG00000112727 PPI subnetwork
ENSG00000178458	ENSG00000178458 PPI subnetwork
ENSG00000197409	HIST1H3D PPI subnetwork
ENSG00000197153	HIST1H3J PPI subnetwork
ENSG00000124693	HIST1H3B PPI subnetwork
ENSG00000198467	TPM2 PPI subnetwork
ENSG00000091651	ORC6 PPI subnetwork
GO:0030219	megakaryocyte differentiation
GO:0050715	positive regulation of cytokine secretion
ENSG00000173465	SSSCA1 PPI subnetwork
GO:0048813	dendrite morphogenesis
GO:0032663	regulation of interleukin-2 production

GO:0010212	response to ionizing radiation
ENSG00000171747	LGALS4 PPI subnetwork
ENSG00000143632	ACTA1 PPI subnetwork
GO:0043304	regulation of mast cell degranulation
GO:0006684	sphingomyelin metabolic process
GO:0034620	cellular response to unfolded protein
GO:0030968	endoplasmic reticulum unfolded protein response
GO:0016861	intramolecular oxidoreductase activity, interconverting aldose
GO:0055017	cardiac muscle tissue growth
ENSG00000198886	MT-ND4 PPI subnetwork
GO:0010564	regulation of cell cycle process
GO:2000243	positive regulation of reproductive process
ENSG00000137672	TRPC6 PPI subnetwork
ENSG00000120071	KIAA1267 PPI subnetwork
ENSG00000182636	NDN PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI(
ENSG00000206258	TNXB PPI subnetwork
ENSG00000167792	NDUFV1 PPI subnetwork
ENSG00000162923	WDR26 PPI subnetwork
GO:0032400	melanosome localization
GO:0043547	positive regulation of GTPase activity
ENSG00000127586	CHTF18 PPI subnetwork
ENSG00000111530	CAND1 PPI subnetwork
ENSG00000174405	LIG4 PPI subnetwork
GO:0051904	pigment granule transport
MP:0004726	abnormal nasal capsule morphology
GO:0007409	axonogenesis
REACTOME_ISG15_ANTIVIRAL_MECHANISM	REACTOME_ISG15_ANTIVIRAL_MECHANISM
REACTOME_ANTIVIRAL_MECHANISM_BY_I	REACTOME_ANTIVIRAL_MECHANISM_BY_IFN:STIMULATED_G
MP:0002841	impaired skeletal muscle contractility
MP:0008347	decreased gamma-delta T cell number
GO:0042575	DNA polymerase complex
ENSG00000166603	MC4R PPI subnetwork
ENSG00000069974	RAB27A PPI subnetwork
ENSG00000067829	IDH3G PPI subnetwork
GO:0022010	central nervous system myelination
GO:0032291	axon ensheathment in central nervous system
GO:0060603	mammary gland duct morphogenesis
ENSG00000080802	CNOT4 PPI subnetwork
ENSG00000116062	MSH6 PPI subnetwork
ENSG00000196277	GRM7 PPI subnetwork
ENSG00000164258	NDUFS4 PPI subnetwork
ENSG00000163162	RNF149 PPI subnetwork
GO:0001707	mesoderm formation
KEGG_OOCYTE_MEIOSIS	KEGG_OOCYTE_MEIOSIS
GO:0009948	anterior/posterior axis specification
ENSG00000142684	ZNF593 PPI subnetwork
ENSG00000103266	STUB1 PPI subnetwork
MP:0005547	abnormal Muller cell morphology
ENSG00000163811	WDR43 PPI subnetwork

ENSG00000130288	ENSG00000130288 PPI subnetwork
ENSG00000106541	AGR2 PPI subnetwork
GO:0006284	base-excision repair
ENSG00000183648	NDUFB1 PPI subnetwork
ENSG00000113196	HAND1 PPI subnetwork
ENSG00000148297	MED22 PPI subnetwork
GO:0001608	G-protein coupled nucleotide receptor activity
GO:0045028	G-protein coupled purinergic nucleotide receptor activity
ENSG00000093009	CDC45 PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEC
GO:0000819	sister chromatid segregation
ENSG00000198692	EIF1AY PPI subnetwork
ENSG00000105373	GLTSCR2 PPI subnetwork
ENSG00000030110	BAK1 PPI subnetwork
GO:0015300	solute:solute antiporter activity
GO:0031333	negative regulation of protein complex assembly
ENSG00000129347	KRI1 PPI subnetwork
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_KSRP
ENSG00000101442	ACTR5 PPI subnetwork
GO:0045664	regulation of neuron differentiation
GO:0006906	vesicle fusion
ENSG00000204218	ENSG00000204218 PPI subnetwork
GO:0031398	positive regulation of protein ubiquitination
MP:0008267	abnormal hippocampus CA3 region morphology
MP:0001825	arrested T cell differentiation
ENSG00000101132	PFDN4 PPI subnetwork
GO:0000959	mitochondrial RNA metabolic process
MP:0003604	single kidney
ENSG00000145349	CAMK2D PPI subnetwork
MP:0001415	increased exploration in new environment
ENSG00000149930	TAOK2 PPI subnetwork
MP:0003084	abnormal skeletal muscle fiber morphology
ENSG00000145782	ATG12 PPI subnetwork
REACTOME_TELOMERE_C:STRAND_LAGGIN	REACTOME_TELOMERE_C:STRAND_LAGGING_STRAND_SYNTH
ENSG00000204086	RPA4 PPI subnetwork
REACTOME_NUCLEOTIDE_EXCISION_REPAI	REACTOME_NUCLEOTIDE_EXCISION_REPAIR
ENSG00000130741	EIF2S3 PPI subnetwork
ENSG00000113643	RARS PPI subnetwork
MP:0000854	abnormal cerebellum development
ENSG00000125977	EIF2S2 PPI subnetwork
ENSG00000172794	RAB37 PPI subnetwork
MP:0003130	anal atresia
GO:0030217	T cell differentiation
ENSG00000198947	DMD PPI subnetwork
GO:0006306	DNA methylation
GO:0006305	DNA alkylation
ENSG00000104320	NBN PPI subnetwork
ENSG00000143384	MCL1 PPI subnetwork
ENSG00000168653	NDUFS5 PPI subnetwork
ENSG00000072210	ALDH3A2 PPI subnetwork

ENSG00000159840	ZYX PPI subnetwork
ENSG00000182117	NOP10 PPI subnetwork
GO:0061180	mammary gland epithelium development
GO:0051082	unfolded protein binding
REACTOME_NOREPINEPHRINE_NEUROTRAI	REACTOME_NOREPINEPHRINE_NEUROTRANSMITTER_RELEAS
GO:0043413	macromolecule glycosylation
GO:0006486	protein glycosylation
GO:0071174	mitotic cell cycle spindle checkpoint
ENSG00000124702	KLHDC3 PPI subnetwork
ENSG00000115808	STRN PPI subnetwork
GO:0009312	oligosaccharide biosynthetic process
GO:0061351	neural precursor cell proliferation
ENSG00000108828	VAT1 PPI subnetwork
ENSG00000182774	RPS17L PPI subnetwork
ENSG00000184779	RPS17 PPI subnetwork
GO:0020027	hemoglobin metabolic process
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
GO:0009898	internal side of plasma membrane
ENSG00000118680	MYL12B PPI subnetwork
MP:0004157	interrupted aortic arch
GO:0043025	neuronal cell body
GO:0016879	ligase activity, forming carbon-nitrogen bonds
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI(
GO:0000314	organellar small ribosomal subunit
GO:0005763	mitochondrial small ribosomal subunit
ENSG00000168005	C11orf84 PPI subnetwork
MP:0000428	abnormal craniofacial morphology
GO:0009635	response to herbicide
ENSG00000204197	KIFC1 PPI subnetwork
ENSG00000056678	ENSG00000056678 PPI subnetwork
MP:0001968	abnormal touch/ nociception
GO:0051258	protein polymerization
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR_OF_R
GO:0072509	divalent inorganic cation transmembrane transporter activity
ENSG00000214021	TTLL3 PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PLC_BI
GO:0045669	positive regulation of osteoblast differentiation
ENSG00000099795	NDUFB7 PPI subnetwork
ENSG00000178896	EXOSC4 PPI subnetwork
GO:0019321	pentose metabolic process
GO:0051351	positive regulation of ligase activity
GO:0045841	negative regulation of mitotic metaphase/anaphase transition
GO:0031214	biomineral tissue development
GO:0002042	cell migration involved in sprouting angiogenesis
GO:0030178	negative regulation of Wnt receptor signaling pathway
ENSG00000090372	STRN4 PPI subnetwork
GO:0015077	monovalent inorganic cation transmembrane transporter activ
ENSG00000213496	ENSG00000213496 PPI subnetwork
GO:0007389	pattern specification process

ENSG00000179344	HLA-DQB1 PPI subnetwork
ENSG00000095015	MAP3K1 PPI subnetwork
GO:0051340	regulation of ligase activity
ENSG00000197879	MYO1C PPI subnetwork
MP:0002693	abnormal pancreas physiology
GO:0043568	positive regulation of insulin-like growth factor receptor signal
GO:0002027	regulation of heart rate
ENSG00000176788	BASP1 PPI subnetwork
KEGG_HOMOLOGOUS_RECOMBINATION	KEGG_HOMOLOGOUS_RECOMBINATION
MP:0004542	impaired acrosome reaction
MP:0008587	short photoreceptor outer segment
MP:0009453	enhanced contextual conditioning behavior
ENSG00000177971	IMP3 PPI subnetwork
ENSG00000111907	TPD52L1 PPI subnetwork
ENSG00000132692	BCAN PPI subnetwork
GO:0032729	positive regulation of interferon-gamma production
ENSG00000186051	TAL2 PPI subnetwork
KEGG_PYRIMIDINE_METABOLISM	KEGG_PYRIMIDINE_METABOLISM
ENSG00000108107	RPL28 PPI subnetwork
MP:0001392	abnormal locomotor behavior
GO:0032401	establishment of melanosome localization
GO:0004364	glutathione transferase activity
ENSG00000115947	ORC4 PPI subnetwork
GO:0071845	cellular component disassembly at cellular level
GO:0051320	S phase
ENSG00000105447	GRWD1 PPI subnetwork
GO:0003743	translation initiation factor activity
ENSG00000138032	PPM1B PPI subnetwork
ENSG00000165392	WRN PPI subnetwork
GO:0005942	phosphatidylinositol 3-kinase complex
ENSG00000175216	CKAP5 PPI subnetwork
GO:0007585	respiratory gaseous exchange
GO:0000083	regulation of transcription involved in G1/S phase of mitotic ce
GO:0004065	arylsulfatase activity
GO:0043414	macromolecule methylation
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_ESCAPE
KEGG_DILATED_CARDIOMYOPATHY	KEGG_DILATED_CARDIOMYOPATHY
GO:0004521	endoribonuclease activity
MP:0002375	abnormal thymus medulla morphology
GO:0006304	DNA modification
GO:0000781	chromosome, telomeric region
ENSG00000157388	CACNA1D PPI subnetwork
ENSG00000136521	NDUFB5 PPI subnetwork
GO:0035195	gene silencing by miRNA
GO:0016651	oxidoreductase activity, acting on NADH or NADPH
ENSG00000184678	HIST2H2BE PPI subnetwork
ENSG00000164338	UTP15 PPI subnetwork
MP:0004249	abnormal crista ampullaris morphology
GO:0016471	vacuolar proton-transporting V-type ATPase complex
ENSG00000118705	RPN2 PPI subnetwork

ENSG00000161980	POLR3K PPI subnetwork
ENSG00000168542	COL3A1 PPI subnetwork
GO:0071230	cellular response to amino acid stimulus
GO:0009068	aspartate family amino acid catabolic process
ENSG00000161956	SENP3 PPI subnetwork
GO:0004532	exoribonuclease activity
ENSG00000185345	PARK2 PPI subnetwork
GO:0030901	midbrain development
GO:0042094	interleukin-2 biosynthetic process
ENSG00000115942	ORC2 PPI subnetwork
ENSG00000152147	GEMIN6 PPI subnetwork
ENSG00000091106	NLRC4 PPI subnetwork
GO:0005657	replication fork
GO:0048525	negative regulation of viral reproduction
GO:0045071	negative regulation of viral genome replication
ENSG00000167930	ITFG3 PPI subnetwork
GO:0044304	main axon
MP:0000159	abnormal xiphoid process morphology
GO:0031294	lymphocyte costimulation
GO:0031295	T cell costimulation
KEGG_REGULATION_OF_AUTOPHAGY	KEGG_REGULATION_OF_AUTOPHAGY
ENSG00000203812	HIST2H2AA4 PPI subnetwork
ENSG00000183558	HIST2H2AA3 PPI subnetwork
ENSG00000123064	DDX54 PPI subnetwork
GO:0007050	cell cycle arrest
ENSG00000164494	PDSS2 PPI subnetwork
GO:0030902	hindbrain development
ENSG00000087263	OGFOD1 PPI subnetwork
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_T
REACTOME_NONSENSE:MEDIATED_DECAY	REACTOME_NONSENSE:MEDIATED_DECAY
ENSG00000102974	CTCF PPI subnetwork
GO:0031069	hair follicle morphogenesis
ENSG00000116761	CTH PPI subnetwork
GO:0048488	synaptic vesicle endocytosis
GO:0002275	myeloid cell activation involved in immune response
REACTOME_NRIF_SIGNALS_CELL_DEATH_F	REACTOME_NRIF_SIGNALS_CELL_DEATH_FROM_THE_NUCLEU
REACTOME_ACTIVATION_OF_GABAB_RECE	REACTOME_ACTIVATION_OF_GABAB_RECEPTORS
REACTOME_GABA_B_RECEPTOR_ACTIVATI	REACTOME_GABA_B_RECEPTOR_ACTIVATION
ENSG00000166592	RRAD PPI subnetwork
MP:0001394	circling
ENSG00000077080	ACTL6B PPI subnetwork
MP:0008866	chromosomal instability
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_TRISTETRAPRO
ENSG00000198056	PRIM1 PPI subnetwork
GO:0051318	G1 phase
GO:0007494	midgut development
GO:0030864	cortical actin cytoskeleton
ENSG00000104938	CLEC4M PPI subnetwork
GO:0045190	isotype switching
GO:0002204	somatic recombination of immunoglobulin genes involved in i

GO:0002208	somatic diversification of immunoglobulins involved in immun
ENSG00000161040	FBXL13 PPI subnetwork
GO:0010948	negative regulation of cell cycle process
GO:0030890	positive regulation of B cell proliferation
GO:0018130	heterocycle biosynthetic process
MP:0005106	abnormal incus morphology
GO:0000079	regulation of cyclin-dependent protein kinase activity
GO:0034979	NAD-dependent protein deacetylase activity
GO:0017136	NAD-dependent histone deacetylase activity
ENSG00000122585	NPY PPI subnetwork
GO:0051875	pigment granule localization
MP:0005403	abnormal nerve conduction
GO:0048284	organelle fusion
GO:0000184	nuclear-transcribed mRNA catabolic process, nonsense-media
ENSG00000138741	TRPC3 PPI subnetwork
GO:0010718	positive regulation of epithelial to mesenchymal transition
ENSG00000072110	ACTN1 PPI subnetwork
ENSG00000052749	RRP12 PPI subnetwork
ENSG00000182255	KCNA4 PPI subnetwork
MP:0011143	thick lung-associated mesenchyme
MP:0000471	abnormal stomach epithelium morphology
GO:0070647	protein modification by small protein conjugation or removal
ENSG00000138814	PPP3CA PPI subnetwork
GO:0002444	myeloid leukocyte mediated immunity
REACTOME_DNA_STRAND_ELONGATION	REACTOME_DNA_STRAND_ELONGATION
MP:0004607	abnormal cervical atlas morphology
GO:0071897	DNA biosynthetic process
MP:0010392	prolonged QRS complex duration
GO:0006885	regulation of pH
GO:0004222	metalloendopeptidase activity
GO:0001578	microtubule bundle formation
ENSG00000126583	PRKCG PPI subnetwork
ENSG00000165023	DIRAS2 PPI subnetwork
GO:0051905	establishment of pigment granule localization
GO:0042491	auditory receptor cell differentiation
ENSG00000164022	AIMP1 PPI subnetwork
REACTOME_FGFR4_LIGAND_BINDING_AND	REACTOME_FGFR4_LIGAND_BINDING_AND_ACTIVATION
GO:0071156	regulation of cell cycle arrest
GO:0006829	zinc ion transport
GO:0016758	transferase activity, transferring hexosyl groups
ENSG00000198786	MT-ND5 PPI subnetwork
ENSG00000212870	ENSG00000212870 PPI subnetwork
REACTOME_SNRNP_ASSEMBLY	REACTOME_SNRNP_ASSEMBLY
REACTOME_METABOLISM_OF_NON:CODIN	REACTOME_METABOLISM_OF_NON:CODING_RNA
ENSG00000099624	ATP5D PPI subnetwork
GO:0000307	cyclin-dependent protein kinase holoenzyme complex
ENSG00000100014	SPECC1L PPI subnetwork
ENSG00000114812	VIPR1 PPI subnetwork
ENSG00000178982	EIF3K PPI subnetwork
GO:0034062	RNA polymerase activity

GO:0003899	DNA-directed RNA polymerase activity
GO:0050804	regulation of synaptic transmission
MP:0000925	abnormal floor plate morphology
GO:0010332	response to gamma radiation
MP:0001005	abnormal retinal rod cell morphology
GO:0009881	photoreceptor activity
ENSG00000120251	GRIA2 PPI subnetwork
ENSG00000198612	COPS8 PPI subnetwork
GO:0005251	delayed rectifier potassium channel activity
ENSG00000145220	LYAR PPI subnetwork
ENSG00000108854	SMURF2 PPI subnetwork
MP:0000455	abnormal maxilla morphology
GO:0048546	digestive tract morphogenesis
GO:0016567	protein ubiquitination
MP:0002286	cryptorchism
MP:0002878	abnormal corticospinal tract morphology
ENSG00000128595	CALU PPI subnetwork
ENSG00000120616	EPC1 PPI subnetwork
GO:0006206	pyrimidine base metabolic process
ENSG00000100413	POLR3H PPI subnetwork
REACTOME_ACTIVATION_OF_ATR_IN_RESP	REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICA
ENSG00000164076	CAMKV PPI subnetwork
GO:0000084	S phase of mitotic cell cycle
ENSG00000107554	DNMBP PPI subnetwork
MP:0004768	abnormal axonal transport
ENSG00000140350	ANP32A PPI subnetwork
ENSG00000115935	WIPF1 PPI subnetwork
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION
GO:0014047	glutamate secretion
REACTOME_SYNTHESIS_AND_INTERCONVE	REACTOME_SYNTHESIS_AND_INTERCONVERSION_OF_NUCLE(
ENSG00000095002	MSH2 PPI subnetwork
REACTOME_CHROMOSOME_MAINTENANC	REACTOME_CHROMOSOME_MAINTENANCE
GO:0051145	smooth muscle cell differentiation
MP:0000762	abnormal tongue morphology
GO:0043242	negative regulation of protein complex disassembly
GO:0008589	regulation of smoothened signaling pathway
ENSG00000104419	NDRG1 PPI subnetwork
GO:0007067	mitosis
GO:0000280	nuclear division
ENSG00000122026	RPL21 PPI subnetwork
ENSG00000090266	NDUFB2 PPI subnetwork
ENSG00000058668	ATP2B4 PPI subnetwork
GO:0072080	nephron tubule development
REACTOME_TELOMERE_MAINTENANCE	REACTOME_TELOMERE_MAINTENANCE
ENSG00000132334	PTPRE PPI subnetwork
GO:0005242	inward rectifier potassium channel activity
GO:0030665	clathrin coated vesicle membrane
GO:0035019	somatic stem cell maintenance
GO:0004033	aldo-keto reductase (NADP) activity
GO:0000428	DNA-directed RNA polymerase complex

GO:0055029	nuclear DNA-directed RNA polymerase complex
GO:0009086	methionine biosynthetic process
GO:0000070	mitotic sister chromatid segregation
GO:0044445	cytosolic part
MP:0002641	anisopoikilocytosis
GO:0060021	palate development
GO:0009260	ribonucleotide biosynthetic process
GO:0003697	single-stranded DNA binding
GO:0048009	insulin-like growth factor receptor signaling pathway
ENSG00000157483	MYO1E PPI subnetwork
GO:0055024	regulation of cardiac muscle tissue development
REACTOME_ACTIVATION_OF_G_PROTEIN_(	REACTOME_ACTIVATION_OF_G_PROTEIN_GATED_POTASSIUM
REACTOME_INHIBITION__OF_VOLTAGE_GA	REACTOME_INHIBITION__OF_VOLTAGE_GATED_CA2_CHANN
REACTOME_G_PROTEIN_GATED_POTASSIU	REACTOME_G_PROTEIN_GATED_POTASSIUM_CHANNELS
MP:0005107	abnormal stapes morphology
ENSG00000071462	WBSCR22 PPI subnetwork
ENSG00000065609	SNAP91 PPI subnetwork
ENSG00000160194	NDUFV3 PPI subnetwork
ENSG00000076003	MCM6 PPI subnetwork
MP:0000107	abnormal frontal bone morphology
GO:0004842	ubiquitin-protein ligase activity
MP:0005176	eyelids fail to open
GO:0060428	lung epithelium development
ENSG00000107581	EIF3A PPI subnetwork
GO:0035250	UDP-galactosyltransferase activity
GO:0060338	regulation of type I interferon-mediated signaling pathway
ENSG00000128731	HERC2 PPI subnetwork
ENSG00000163069	SGCB PPI subnetwork
ENSG00000106305	AIMP2 PPI subnetwork
ENSG00000165264	NDUFB6 PPI subnetwork
MP:0000752	dystrophic muscle
GO:0003002	regionalization
ENSG00000077420	APBB1IP PPI subnetwork
MP:0004901	decreased male germ cell number
ENSG00000043591	ADRB1 PPI subnetwork
GO:0061326	renal tubule development
GO:0050832	defense response to fungus
GO:0015295	solute:hydrogen symporter activity
ENSG00000075089	ACTR6 PPI subnetwork
GO:0019228	regulation of action potential in neuron
GO:0009113	purine base biosynthetic process
ENSG00000061676	NCKAP1 PPI subnetwork
ENSG00000065548	ZC3H15 PPI subnetwork
ENSG00000163251	FZD5 PPI subnetwork
GO:0000209	protein polyubiquitination
MP:0001566	hyperphosphatemia
GO:0010975	regulation of neuron projection development
ENSG00000100084	HIRA PPI subnetwork
GO:0002711	positive regulation of T cell mediated immunity
ENSG00000166862	CACNG2 PPI subnetwork

GO:0045271	respiratory chain complex I
GO:0005747	mitochondrial respiratory chain complex I
GO:0030964	NADH dehydrogenase complex
ENSG00000083845	RPS5 PPI subnetwork
ENSG00000127337	YEATS4 PPI subnetwork
GO:0030880	RNA polymerase complex
ENSG00000058729	RIOK2 PPI subnetwork
ENSG00000198034	RPS4X PPI subnetwork
ENSG00000130176	CNN1 PPI subnetwork
MP:0004029	spontaneous chromosome breakage
GO:0072384	organelle transport along microtubule
GO:0003015	heart process
ENSG00000138041	SMEK2 PPI subnetwork
ENSG00000189043	NDUFA4 PPI subnetwork
GO:0033238	regulation of cellular amine metabolic process
MP:0005253	abnormal eye physiology
ENSG00000138107	ACTR1A PPI subnetwork
GO:0035967	cellular response to topologically incorrect protein
ENSG00000139190	VAMP1 PPI subnetwork
GO:0048302	regulation of isotype switching to IgG isotypes
MP:0001384	abnormal pup retrieval
GO:0051052	regulation of DNA metabolic process
GO:0045576	mast cell activation
GO:0021903	rostrocaudal neural tube patterning
MP:0005105	abnormal middle ear ossicle morphology
GO:0008154	actin polymerization or depolymerization
ENSG00000133030	MPRIP PPI subnetwork
ENSG00000169242	EFNA1 PPI subnetwork
ENSG00000184983	NDUFA6 PPI subnetwork
MP:0009890	cleft secondary palate
ENSG00000212871	ENSG00000212871 PPI subnetwork
ENSG00000198840	MT-ND3 PPI subnetwork
ENSG00000198868	ENSG00000198868 PPI subnetwork
ENSG00000212872	ENSG00000212872 PPI subnetwork
ENSG00000139116	KIF21A PPI subnetwork
MP:0003063	increased coping response
KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS	KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS
GO:0035050	embryonic heart tube development
GO:0045666	positive regulation of neuron differentiation
GO:0008593	regulation of Notch signaling pathway
ENSG00000070831	CDC42 PPI subnetwork
ENSG00000133119	RFC3 PPI subnetwork
GO:0000795	synaptonemal complex
ENSG00000136982	DSCC1 PPI subnetwork
GO:0000049	tRNA binding
ENSG00000119401	TRIM32 PPI subnetwork
GO:0072529	pyrimidine-containing compound catabolic process
ENSG00000107282	APBA1 PPI subnetwork
ENSG00000076864	RAP1GAP PPI subnetwork
GO:0006184	GTP catabolic process

ENSG00000030304	MUSK PPI subnetwork
GO:0009950	dorsal/ventral axis specification
MP:0002945	abnormal inhibitory postsynaptic currents
ENSG00000153234	NR4A2 PPI subnetwork
GO:0051567	histone H3-K9 methylation
MP:0002910	abnormal excitatory postsynaptic currents
ENSG00000096401	CDC5L PPI subnetwork
REACTOME_CELL:CELL_JUNCTION_ORGANI	REACTOME_CELL:CELL_JUNCTION_ORGANIZATION
REACTOME_CDC6_ASSOCIATION_WITH_TH	REACTOME_CDC6_ASSOCIATION_WITH_THE_ORCORIGIN_CO
MP:0002576	abnormal enamel morphology
GO:0004629	phospholipase C activity
GO:0044297	cell body
GO:0046631	alpha-beta T cell activation
MP:0008531	increased chemical nociceptive threshold
REACTOME_MYOGENESIS	REACTOME_MYOGENESIS
REACTOME_CDO_IN_MYOGENESIS	REACTOME_CDO_IN_MYOGENESIS
GO:0016881	acid-amino acid ligase activity
GO:0090090	negative regulation of canonical Wnt receptor signaling pathw
ENSG00000152556	PFKM PPI subnetwork
GO:0016884	carbon-nitrogen ligase activity, with glutamine as amido-N-do
ENSG00000145041	VPRBP PPI subnetwork
ENSG00000184117	NIPSNAP1 PPI subnetwork
GO:0018149	peptide cross-linking
MP:0001489	decreased startle reflex
ENSG00000100796	SMEK1 PPI subnetwork
GO:0032129	histone deacetylase activity (H3-K9 specific)
GO:0046969	NAD-dependent histone deacetylase activity (H3-K9 specific)
MP:0003232	abnormal forebrain development
ENSG00000184886	PIGW PPI subnetwork
GO:0030177	positive regulation of Wnt receptor signaling pathway
ENSG00000170906	NDUFA3 PPI subnetwork
ENSG00000155974	GRIP1 PPI subnetwork
ENSG00000139998	RAB15 PPI subnetwork
GO:0046605	regulation of centrosome cycle
ENSG00000174766	ENSG00000174766 PPI subnetwork
ENSG00000212802	ENSG00000212802 PPI subnetwork
GO:0001945	lymph vessel development
ENSG00000131051	RBM39 PPI subnetwork
ENSG00000104388	RAB2A PPI subnetwork
ENSG00000130816	DNMT1 PPI subnetwork
ENSG00000205726	ITSN1 PPI subnetwork
GO:0042119	neutrophil activation
ENSG00000100241	SBF1 PPI subnetwork
MP:0009907	decreased tongue size
REACTOME_ION_TRANSPORT_BY_P:TYPE_A	REACTOME_ION_TRANSPORT_BY_P:TYPE_ATPASES
GO:0031293	membrane protein intracellular domain proteolysis
GO:0032446	protein modification by small protein conjugation
GO:0055007	cardiac muscle cell differentiation
ENSG00000119139	TJP2 PPI subnetwork
ENSG00000196374	HIST1H2BM PPI subnetwork

GO:0007350	blastoderm segmentation
ENSG00000135372	NAT10 PPI subnetwork
ENSG00000149295	DRD2 PPI subnetwork
ENSG00000171723	GPHN PPI subnetwork
ENSG00000198763	MT-ND2 PPI subnetwork
ENSG00000212876	ENSG00000212876 PPI subnetwork
ENSG00000008869	HEATR5B PPI subnetwork
ENSG00000169641	LUZP1 PPI subnetwork
MP:0004770	abnormal synaptic vesicle recycling
REACTOME_BASE_EXCISION_REPAIR	REACTOME_BASE_EXCISION_REPAIR
REACTOME_RESOLUTION_OF_ABASIC_SITE	REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES
GO:0043254	regulation of protein complex assembly
GO:0008584	male gonad development
GO:0034061	DNA polymerase activity
GO:2000027	regulation of organ morphogenesis
GO:0060065	uterus development
ENSG00000185811	IKZF1 PPI subnetwork
GO:0050853	B cell receptor signaling pathway
GO:0016896	exoribonuclease activity, producing 5'-phosphomonoesters
ENSG00000178209	PLEC PPI subnetwork
GO:0043631	RNA polyadenylation
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_C:STRAND_OF_
ENSG00000155511	GRIA1 PPI subnetwork
ENSG00000140990	NDUFB10 PPI subnetwork
MP:0000160	kyphosis
ENSG00000163159	VPS72 PPI subnetwork
ENSG00000212869	ENSG00000212869 PPI subnetwork
ENSG00000198695	MT-ND6 PPI subnetwork
GO:0090307	spindle assembly involved in mitosis
GO:0042805	actinin binding
KEGG_ALZHEIMERS_DISEASE	KEGG_ALZHEIMERS_DISEASE
ENSG00000036257	CUL3 PPI subnetwork
GO:0018298	protein-chromophore linkage
GO:0009451	RNA modification
MP:0009888	palatal shelves fail to meet at midline
ENSG00000141503	MINK1 PPI subnetwork
GO:0034453	microtubule anchoring
GO:0031593	polyubiquitin binding
GO:0048645	organ formation
GO:0004435	phosphatidylinositol phospholipase C activity
GO:0050962	detection of light stimulus involved in sensory perception
GO:0050908	detection of light stimulus involved in visual perception
ENSG00000203814	HIST2H2BF PPI subnetwork
GO:0061387	regulation of extent of cell growth
ENSG00000130312	MRPL34 PPI subnetwork
ENSG00000184752	NDUFA12 PPI subnetwork
GO:0002709	regulation of T cell mediated immunity
GO:0006521	regulation of cellular amino acid metabolic process
MP:0001890	anencephaly
ENSG00000131495	NDUFA2 PPI subnetwork

ENSG00000100325	ASCC2 PPI subnetwork
GO:0001774	microglial cell activation
MP:0001145	abnormal male reproductive system morphology
GO:0031267	small GTPase binding
ENSG00000113318	MSH3 PPI subnetwork
ENSG00000104738	MCM4 PPI subnetwork
ENSG00000136950	ARPC5L PPI subnetwork
GO:0046847	filopodium assembly
GO:0051325	interphase
GO:0060047	heart contraction
GO:0015985	energy coupled proton transport, down electrochemical gradi
GO:0015986	ATP synthesis coupled proton transport
ENSG00000204221	WDR46 PPI subnetwork
ENSG00000206284	WDR46 PPI subnetwork
ENSG00000137547	MRPL15 PPI subnetwork
ENSG00000164587	RPS14 PPI subnetwork
MP:0000940	abnormal motor neuron innervation
GO:0021756	striatum development
MP:0009454	impaired contextual conditioning behavior
ENSG00000165868	HSPA12A PPI subnetwork
ENSG00000108270	AATF PPI subnetwork
GO:0007431	salivary gland development
GO:0006360	transcription from RNA polymerase I promoter
KEGG_TIGHT_JUNCTION	KEGG_TIGHT_JUNCTION
GO:0045987	positive regulation of smooth muscle contraction
GO:0055012	ventricular cardiac muscle cell differentiation
MP:0008536	enlarged third ventricle
GO:0030041	actin filament polymerization
ENSG00000167549	CORO6 PPI subnetwork
MP:0003993	abnormal ventral spinal root morphology
ENSG00000115286	NDUFS7 PPI subnetwork
GO:0043244	regulation of protein complex disassembly
MP:0005543	corneal thinning
GO:0034706	sodium channel complex
ENSG00000161835	GRASP PPI subnetwork
REACTOME_PROTEOLYTIC_CLEAVAGE_OF_	REACTOME_PROTEOLYTIC_CLEAVAGE_OF_SNARE_COMPLEX_
GO:0022626	cytosolic ribosome
REACTOME_TRANSLATION_INITIATION_CO	REACTOME_TRANSLATION_INITIATION_COMPLEX_FORMATIC
ENSG00000138190	EXOC6 PPI subnetwork
GO:0071843	cellular component biogenesis at cellular level
GO:0090009	primitive streak formation
ENSG00000076053	RBM7 PPI subnetwork
MP:0004359	short ulna
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI
MP:0000857	abnormal cerebellar foliation
GO:0051890	regulation of cardioblast differentiation
ENSG00000157152	ENSG00000157152 PPI subnetwork
REACTOME_CELL_JUNCTION_ORGANIZATIC	REACTOME_CELL_JUNCTION_ORGANIZATION
ENSG00000023228	NDUFS1 PPI subnetwork
REACTOME_PROTEIN_FOLDING	REACTOME_PROTEIN_FOLDING

GO:0046873	metal ion transmembrane transporter activity
GO:0046039	GTP metabolic process
ENSG00000068903	SIRT2 PPI subnetwork
GO:0021915	neural tube development
ENSG00000101608	MYL12A PPI subnetwork
GO:0015238	drug transmembrane transporter activity
MP:0009238	coiled sperm flagellum
GO:0009109	coenzyme catabolic process
MP:0001306	small lens
MP:0004608	abnormal cervical axis morphology
MP:0002657	chondrodystrophy
REACTOME_PRESYNAPTIC_FUNCTION_OF_	REACTOME_PRESYNAPTIC_FUNCTION_OF_KAINATE_RECEPTO
GO:0022625	cytosolic large ribosomal subunit
GO:0032147	activation of protein kinase activity
GO:0007059	chromosome segregation
MP:0008080	abnormal CD8-positive T cell differentiation
GO:0005834	heterotrimeric G-protein complex
ENSG00000182473	EXOC7 PPI subnetwork
ENSG00000105357	MYH14 PPI subnetwork
ENSG00000162704	ARPC5 PPI subnetwork
GO:0033006	regulation of mast cell activation involved in immune response
GO:0003774	motor activity
ENSG00000102893	PHKB PPI subnetwork
GO:0030500	regulation of bone mineralization
MP:0004753	abnormal miniature excitatory postsynaptic currents
GO:0031570	DNA integrity checkpoint
GO:0060795	cell fate commitment involved in formation of primary germ la
GO:0007062	sister chromatid cohesion
ENSG00000184825	HIST1H2AH PPI subnetwork
ENSG00000124642	ENSG00000124642 PPI subnetwork
MP:0002058	neonatal lethality
GO:0006892	post-Golgi vesicle-mediated transport
ENSG00000111652	COPS7A PPI subnetwork
GO:0072528	pyrimidine-containing compound biosynthetic process
MP:0000454	abnormal jaw morphology
ENSG00000100412	ACO2 PPI subnetwork
GO:0003143	embryonic heart tube morphogenesis
ENSG00000087269	NOP14 PPI subnetwork
ENSG00000123349	PFDN5 PPI subnetwork
ENSG00000135269	TES PPI subnetwork
ENSG00000110880	CORO1C PPI subnetwork
MP:0004113	abnormal aortic arch morphology
GO:0009187	cyclic nucleotide metabolic process
MP:0001299	abnormal eye distance/ position
GO:0051301	cell division
MP:0008892	abnormal sperm flagellum morphology
ENSG00000170889	RPS9 PPI subnetwork
GO:0048634	regulation of muscle organ development
ENSG00000149294	NCAM1 PPI subnetwork
ENSG00000105568	PPP2R1A PPI subnetwork

GO:0030804	positive regulation of cyclic nucleotide biosynthetic process
GO:0030810	positive regulation of nucleotide biosynthetic process
ENSG00000039650	PNKP PPI subnetwork
ENSG00000089289	IGBP1 PPI subnetwork
ENSG00000163629	PTPN13 PPI subnetwork
ENSG00000119616	FCF1 PPI subnetwork
GO:0006361	transcription initiation from RNA polymerase I promoter
ENSG00000164061	BSN PPI subnetwork
GO:0071158	positive regulation of cell cycle arrest
ENSG00000003096	KLHL13 PPI subnetwork
KEGG_PARKINSONS_DISEASE	KEGG_PARKINSONS_DISEASE
ENSG00000198216	CACNA1E PPI subnetwork
GO:0007052	mitotic spindle organization
GO:0048814	regulation of dendrite morphogenesis
MP:0008083	decreased single-positive T cell number
GO:0006672	ceramide metabolic process
MP:0003312	abnormal locomotor coordination
ENSG00000198846	TOX PPI subnetwork
ENSG00000103460	TOX3 PPI subnetwork
ENSG00000124097	ENSG00000124097 PPI subnetwork
MP:0002747	abnormal aortic valve morphology
ENSG00000155380	SLC16A1 PPI subnetwork
MP:0010254	nuclear cataracts
GO:0046058	cAMP metabolic process
GO:0001658	branching involved in ureteric bud morphogenesis
MP:0000527	abnormal kidney development
ENSG00000180104	EXOC3 PPI subnetwork
MP:0002757	decreased vertical activity
GO:0051329	interphase of mitotic cell cycle
GO:0019233	sensory perception of pain
ENSG00000119048	UBE2B PPI subnetwork
GO:0055003	cardiac myofibril assembly
GO:0032947	protein complex scaffold
ENSG00000102001	CACNA1F PPI subnetwork
ENSG00000093167	LRRFIP2 PPI subnetwork
ENSG00000163462	TRIM46 PPI subnetwork
ENSG00000068654	POLR1A PPI subnetwork
ENSG00000171992	SYNPO PPI subnetwork
GO:0001909	leukocyte mediated cytotoxicity
GO:0002478	antigen processing and presentation of exogenous peptide ant
GO:0007435	salivary gland morphogenesis
ENSG00000174827	PDZK1 PPI subnetwork
GO:0045076	regulation of interleukin-2 biosynthetic process
MP:0003996	clonic seizures
ENSG00000155657	TTN PPI subnetwork
ENSG00000154277	UCHL1 PPI subnetwork
MP:0000272	abnormal aorta morphology
ENSG00000114127	XRN1 PPI subnetwork
GO:0032008	positive regulation of TOR signaling cascade
ENSG00000100150	DEPDC5 PPI subnetwork

GO:0034622	cellular macromolecular complex assembly
GO:0034654	nucleobase-containing compound biosynthetic process
ENSG00000134184	GSTM1 PPI subnetwork
ENSG00000105968	H2AFV PPI subnetwork
ENSG00000137497	NUMA1 PPI subnetwork
MP:0000967	abnormal sensory neuron projections
MP:0001524	impaired limb coordination
ENSG00000186230	ZNF749 PPI subnetwork
ENSG00000166033	HTRA1 PPI subnetwork
MP:0000890	thin cerebellar molecular layer
REACTOME_THE_NLRP3_INFLAMMASOME	REACTOME_THE_NLRP3_INFLAMMASOME
ENSG00000148468	FAM171A1 PPI subnetwork
MP:0005091	increased double-positive T cell number
GO:0015800	acidic amino acid transport
MP:0000947	convulsive seizures
GO:0006582	melanin metabolic process
REACTOME_ACETYLCHOLINE_BINDING_ANI	REACTOME_ACETYLCHOLINE_BINDING_AND_DOWNSTREAM_
REACTOME_POSTSYNAPTIC_NICOTINIC_AC	REACTOME_POSTSYNAPTIC_NICOTINIC_ACETYLCHOLINE_REC
REACTOME_ACTIVATION_OF_NICOTINIC_A	REACTOME_ACTIVATION_OF_NICOTINIC_ACETYLCHOLINE_RE
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_ACET
ENSG00000198836	OPA1 PPI subnetwork
GO:0016486	peptide hormone processing
GO:0007015	actin filament organization
MP:0004919	abnormal positive T cell selection
GO:0000910	cytokinesis
GO:0006383	transcription from RNA polymerase III promoter
MP:0000830	abnormal diencephalon morphology
ENSG00000164919	COX6C PPI subnetwork
ENSG00000133265	HSPBP1 PPI subnetwork
GO:0030261	chromosome condensation
ENSG00000167641	PPP1R14A PPI subnetwork
GO:0051569	regulation of histone H3-K4 methylation
MP:0002980	abnormal postural reflex
REACTOME_G_ALPHA_Z_SIGNALLING_EVEI	REACTOME_G_ALPHA_Z_SIGNALLING_EVENTS
ENSG00000180573	HIST1H2AC PPI subnetwork
ENSG00000166793	YPEL4 PPI subnetwork
ENSG00000172757	CFL1 PPI subnetwork
GO:0051784	negative regulation of nuclear division
GO:0045839	negative regulation of mitosis
ENSG00000113649	TCERG1 PPI subnetwork
ENSG00000144895	EIF2A PPI subnetwork
GO:0048291	isotype switching to IgG isotypes
GO:0010833	telomere maintenance via telomere lengthening
MP:0001932	abnormal spermiogenesis
ENSG00000135363	LMO2 PPI subnetwork
KEGG_PURINE_METABOLISM	KEGG_PURINE_METABOLISM
ENSG00000109390	NDUFC1 PPI subnetwork
ENSG00000213465	ARL2 PPI subnetwork
GO:0033003	regulation of mast cell activation
GO:0000216	M/G1 transition of mitotic cell cycle

MP:0008148	abnormal rib-sternum attachment
ENSG00000035928	RFC1 PPI subnetwork
GO:0051085	chaperone mediated protein folding requiring cofactor
ENSG00000155130	MARCKS PPI subnetwork
GO:0016447	somatic recombination of immunoglobulin gene segments
GO:0032393	MHC class I receptor activity
ENSG00000180185	FAHD1 PPI subnetwork
REACTOME_LAGGING_STRAND_SYNTHESIS	REACTOME_LAGGING_STRAND_SYNTHESIS
GO:0005548	phospholipid transporter activity
MP:0001393	ataxia
GO:0000236	mitotic prometaphase
GO:0030801	positive regulation of cyclic nucleotide metabolic process
GO:0070646	protein modification by small protein removal
ENSG00000071655	MBD3 PPI subnetwork
GO:0042976	activation of Janus kinase activity
MP:0000153	rib bifurcation
REACTOME_INFLUENZA_VIRAL_RNA_TRAN	REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_R
ENSG00000183093	ENSG00000183093 PPI subnetwork
REACTOME_GLUCAGON:TYPE_LIGAND_REC	REACTOME_GLUCAGON:TYPE_LIGAND_RECEPTORS
ENSG00000132664	POLR3F PPI subnetwork
REACTOME_POLYMERASE_SWITCHING_ON	REACTOME_POLYMERASE_SWITCHING_ON_THE_C:STRAND_(
REACTOME_POLYMERASE_SWITCHING	REACTOME_POLYMERASE_SWITCHING
REACTOME_LEADING_STRAND_SYNTHESIS	REACTOME_LEADING_STRAND_SYNTHESIS
ENSG00000197535	MYO5A PPI subnetwork
GO:0046661	male sex differentiation
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULI
GO:0045786	negative regulation of cell cycle
ENSG00000058272	PPP1R12A PPI subnetwork
GO:0050907	detection of chemical stimulus involved in sensory perception
GO:0009152	purine ribonucleotide biosynthetic process
MP:0002885	abnormal AMPA-mediated synaptic currents
GO:0070167	regulation of biomineral tissue development
GO:0019884	antigen processing and presentation of exogenous antigen
ENSG00000189060	H1F0 PPI subnetwork
KEGG_SNARE_INTERACTIONS_IN_VESICULA	KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT
MP:0002730	head shaking
REACTOME_ASSOCIATION_OF_LICENSING_	REACTOME_ASSOCIATION_OF_LICENSING_FACTORS_WITH_TI
GO:0051054	positive regulation of DNA metabolic process
GO:0019363	pyridine nucleotide biosynthetic process
GO:0072525	pyridine-containing compound biosynthetic process
GO:0031344	regulation of cell projection organization
GO:0043330	response to exogenous dsRNA
GO:0035085	cilium axoneme
GO:0030036	actin cytoskeleton organization
MP:0000554	abnormal carpal bone morphology
ENSG00000049245	VAMP3 PPI subnetwork
MP:0003990	decreased neurotransmitter release
GO:0070306	lens fiber cell differentiation
ENSG00000087274	ADD1 PPI subnetwork
GO:0043034	costamere

MP:0004322	abnormal sternebra morphology
ENSG00000137575	SDCBP PPI subnetwork
ENSG00000173876	TUBB8 PPI subnetwork
MP:0002272	abnormal nervous system electrophysiology
ENSG00000150995	ITPR1 PPI subnetwork
ENSG00000109814	UGDH PPI subnetwork
GO:0030863	cortical cytoskeleton
GO:0000460	maturation of 5.8S rRNA
GO:0035194	posttranscriptional gene silencing by RNA
GO:0016441	posttranscriptional gene silencing
GO:0016247	channel regulator activity
ENSG00000058404	CAMK2B PPI subnetwork
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION
REACTOME_RIBOSOMAL_SCANNING_AND_	REACTOME_RIBOSOMAL_SCANNING_AND_START_CODON_RI
ENSG00000110717	NDUFS8 PPI subnetwork
ENSG00000125356	NDUFA1 PPI subnetwork
GO:0051971	positive regulation of transmission of nerve impulse
MP:0001491	unresponsive to tactile stimuli
GO:0048484	enteric nervous system development
ENSG00000108262	GIT1 PPI subnetwork
MP:0005193	abnormal anterior eye segment morphology
GO:0006385	transcription elongation from RNA polymerase III promoter
GO:0006386	termination of RNA polymerase III transcription
MP:0001475	reduced long term depression
ENSG00000180596	HIST1H2BC PPI subnetwork
ENSG00000187990	HIST1H2BG PPI subnetwork
ENSG00000168242	HIST1H2BI PPI subnetwork
ENSG00000197846	HIST1H2BF PPI subnetwork
ENSG00000161270	NPHS1 PPI subnetwork
GO:0031646	positive regulation of neurological system process
MP:0010300	increased skin tumor incidence
GO:0000175	3'-5'-exoribonuclease activity
GO:0019787	small conjugating protein ligase activity
GO:0060512	prostate gland morphogenesis
GO:0006289	nucleotide-excision repair
GO:0032480	negative regulation of type I interferon production
GO:0006213	pyrimidine nucleoside metabolic process
GO:0051017	actin filament bundle assembly
GO:0043073	germ cell nucleus
ENSG00000120800	UTP20 PPI subnetwork
ENSG00000182872	RBM10 PPI subnetwork
GO:0001947	heart looping
GO:0061371	determination of heart left/right asymmetry
GO:0002200	somatic diversification of immune receptors
MP:0010454	abnormal truncus arteriosus septation
GO:0008175	tRNA methyltransferase activity
ENSG00000159186	ENSG00000159186 PPI subnetwork
GO:0008033	tRNA processing
GO:0022613	ribonucleoprotein complex biogenesis
ENSG00000164032	H2AFZ PPI subnetwork

ENSG00000156261	CCT8 PPI subnetwork
GO:0044442	microtubule-based flagellum part
GO:0044460	flagellum part
ENSG00000163918	RFC4 PPI subnetwork
ENSG00000074201	CLNS1A PPI subnetwork
ENSG00000213741	RPS29 PPI subnetwork
MP:0002428	abnormal semicircular canal morphology
ENSG00000070961	ATP2B1 PPI subnetwork
MP:0010465	aberrant origin of the right subclavian artery
ENSG00000168028	RPSA PPI subnetwork
GO:0034660	ncRNA metabolic process
ENSG00000196226	HIST1H2BB PPI subnetwork
MP:0008261	arrest of male meiosis
GO:0070925	organelle assembly
GO:0003208	cardiac ventricle morphogenesis
ENSG00000006125	AP2B1 PPI subnetwork
GO:0060070	canonical Wnt receptor signaling pathway
MP:0004624	abnormal thoracic cage morphology
ENSG00000141985	SH3GL1 PPI subnetwork
MP:0006000	abnormal corneal epithelium morphology
MP:0003998	decreased thermal nociceptive threshold
MP:0000877	abnormal Purkinje cell morphology
GO:0070304	positive regulation of stress-activated protein kinase signaling
ENSG00000169131	ZNF354A PPI subnetwork
ENSG00000119013	NDUFB3 PPI subnetwork
GO:0048265	response to pain
GO:0007076	mitotic chromosome condensation
MP:0003345	decreased rib number
GO:0007093	mitotic cell cycle checkpoint
GO:0042168	heme metabolic process
ENSG00000085276	MECOM PPI subnetwork
GO:0050773	regulation of dendrite development
GO:0000082	G1/S transition of mitotic cell cycle
GO:0015804	neutral amino acid transport
ENSG00000206210	ENSG00000206210 PPI subnetwork
ENSG00000206282	RGL2 PPI subnetwork
ENSG00000162129	CLPB PPI subnetwork
MP:0006065	abnormal heart position or orientation
GO:0016893	endonuclease activity, active with either ribo- or deoxyribonuc
ENSG00000156313	RPGR PPI subnetwork
GO:0032409	regulation of transporter activity
GO:0030317	sperm motility
MP:0001488	increased startle reflex
GO:0072073	kidney epithelium development
MP:0004395	increased cochlear inner hair cell number
ENSG00000170624	SGCD PPI subnetwork
MP:0003148	decreased cochlear coiling
ENSG00000197903	HIST1H2BK PPI subnetwork
ENSG00000091129	NRCAM PPI subnetwork
GO:0010824	regulation of centrosome duplication

GO:0048013	ephrin receptor signaling pathway
ENSG00000142252	GEMIN7 PPI subnetwork
GO:0051261	protein depolymerization
ENSG00000012061	ERCC1 PPI subnetwork
GO:0003151	outflow tract morphogenesis
ENSG00000153140	CETN3 PPI subnetwork
GO:0007339	binding of sperm to zona pellucida
MP:0004131	abnormal embryonic cilium morphology
ENSG00000077514	POLD3 PPI subnetwork
GO:0045981	positive regulation of nucleotide metabolic process
GO:0006044	N-acetylglucosamine metabolic process
GO:0006041	glucosamine metabolic process
ENSG00000177283	FZD8 PPI subnetwork
ENSG00000147123	NDUFB11 PPI subnetwork
GO:0015935	small ribosomal subunit
GO:0051225	spindle assembly
GO:0072522	purine-containing compound biosynthetic process
GO:0000077	DNA damage checkpoint
MP:0004100	abnormal spinal cord interneuron morphology
GO:0048278	vesicle docking
ENSG00000197728	RPS26 PPI subnetwork
ENSG00000196656	ENSG00000196656 PPI subnetwork
GO:0021879	forebrain neuron differentiation
ENSG00000197579	TOPORS PPI subnetwork
ENSG00000115760	BIRC6 PPI subnetwork
MP:0004132	absent embryonic cilia
ENSG00000168274	HIST1H2AE PPI subnetwork
ENSG00000137259	HIST1H2AB PPI subnetwork
GO:0046546	development of primary male sexual characteristics
GO:0008536	Ran GTPase binding
ENSG00000151366	NDUFC2 PPI subnetwork
ENSG00000197697	HIST1H2BE PPI subnetwork
ENSG00000149782	PLCB3 PPI subnetwork
GO:0031571	mitotic cell cycle G1/S transition DNA damage checkpoint
ENSG00000008988	RPS20 PPI subnetwork
ENSG00000115540	MOB4 PPI subnetwork
GO:0017075	syntaxin-1 binding
GO:0016605	PML body
ENSG00000103168	TAF1C PPI subnetwork
GO:0000075	cell cycle checkpoint
MP:0000951	sporadic seizures
GO:0007091	mitotic metaphase/anaphase transition
GO:0043524	negative regulation of neuron apoptotic process
ENSG00000168495	POLR3D PPI subnetwork
GO:0070085	glycosylation
GO:0048713	regulation of oligodendrocyte differentiation
GO:0046488	phosphatidylinositol metabolic process
MP:0005578	teratozoospermia
GO:0006308	DNA catabolic process
ENSG00000181817	LSM10 PPI subnetwork

ENSG00000134574	DDB2 PPI subnetwork
GO:0046520	sphingoid biosynthetic process
GO:0031334	positive regulation of protein complex assembly
ENSG00000162946	DISC1 PPI subnetwork
GO:0003209	cardiac atrium morphogenesis
ENSG00000115844	DLX2 PPI subnetwork
ENSG00000128266	GNAZ PPI subnetwork
ENSG00000166136	NDUFB8 PPI subnetwork
ENSG00000181218	HIST3H2A PPI subnetwork
GO:0001756	somitogenesis
GO:0001759	organ induction
GO:0001829	trophectodermal cell differentiation
GO:0017124	SH3 domain binding
ENSG00000131368	MRPS25 PPI subnetwork
MP:0001883	mammary adenocarcinoma
GO:0006749	glutathione metabolic process
ENSG00000184348	HIST1H2AK PPI subnetwork
ENSG00000196866	HIST1H2AD PPI subnetwork
ENSG00000196787	HIST1H2AG PPI subnetwork
ENSG00000196747	HIST1H2AI PPI subnetwork
ENSG00000198374	HIST1H2AL PPI subnetwork
ENSG00000197959	DNM3 PPI subnetwork
ENSG00000135097	MSI1 PPI subnetwork
ENSG00000104131	EIF3J PPI subnetwork
GO:0044087	regulation of cellular component biogenesis
GO:0032620	interleukin-17 production
GO:0032660	regulation of interleukin-17 production
ENSG00000162614	NEXN PPI subnetwork
GO:0090068	positive regulation of cell cycle process
ENSG00000148798	INA PPI subnetwork
ENSG00000099381	SETD1A PPI subnetwork
GO:0060038	cardiac muscle cell proliferation
GO:0060828	regulation of canonical Wnt receptor signaling pathway
ENSG00000067369	TP53BP1 PPI subnetwork
ENSG00000083857	FAT1 PPI subnetwork
MP:0003446	renal hypoplasia
GO:0046356	acetyl-CoA catabolic process
GO:0042474	middle ear morphogenesis
GO:0051310	metaphase plate congression
ENSG00000124333	VAMP7 PPI subnetwork
ENSG00000082458	DLG3 PPI subnetwork
GO:0071855	neuropeptide receptor binding
ENSG00000158417	EIF5B PPI subnetwork
ENSG00000070182	SPTB PPI subnetwork
GO:0031396	regulation of protein ubiquitination
ENSG00000172809	RPL38 PPI subnetwork
ENSG00000114450	GNB4 PPI subnetwork
ENSG00000136718	IMP4 PPI subnetwork
GO:0030837	negative regulation of actin filament polymerization
ENSG00000167863	ATP5H PPI subnetwork

ENSG00000165659	DACH1 PPI subnetwork
ENSG00000185432	METTL7A PPI subnetwork
GO:0008278	cohesin complex
ENSG00000010256	UQCRC1 PPI subnetwork
GO:0001843	neural tube closure
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_CLEARANCE
GO:0072331	signal transduction by p53 class mediator
ENSG00000009413	REV3L PPI subnetwork
GO:0010720	positive regulation of cell development
ENSG00000164091	WDR82 PPI subnetwork
MP:0004405	absent cochlear hair cells
ENSG00000138385	SSB PPI subnetwork
ENSG00000116251	RPL22 PPI subnetwork
MP:0002777	absent ovarian follicles
GO:0006687	glycosphingolipid metabolic process
GO:0016655	oxidoreductase activity, acting on NADH or NADPH, quinone o
GO:0009156	ribonucleoside monophosphate biosynthetic process
ENSG00000172613	RAD9A PPI subnetwork
GO:0051324	prophase
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION_IN_THE_M
ENSG00000167774	NDUFA7 PPI subnetwork
REACTOME_RNA_POLYMERASE_III_CHAIN_	REACTOME_RNA_POLYMERASE_III_CHAIN_ELONGATION
GO:0018958	phenol-containing compound metabolic process
MP:0010984	abnormal metanephric mesenchyme morphology
GO:0016358	dendrite development
GO:0003725	double-stranded RNA binding
ENSG00000128908	INO80 PPI subnetwork
REACTOME_MUSCLE_CONTRACTION	REACTOME_MUSCLE_CONTRACTION
ENSG00000168172	HOOK3 PPI subnetwork
GO:0006363	termination of RNA polymerase I transcription
GO:0002053	positive regulation of mesenchymal cell proliferation
GO:0017016	Ras GTPase binding
ENSG00000129993	CBFA2T3 PPI subnetwork
ENSG00000126267	COX6B1 PPI subnetwork
ENSG00000106399	RPA3 PPI subnetwork
ENSG00000173674	EIF1AX PPI subnetwork
ENSG00000124635	HIST1H2BJ PPI subnetwork
MP:0008050	decreased memory T cell number
ENSG00000105963	ADAP1 PPI subnetwork
GO:0010639	negative regulation of organelle organization
ENSG00000177791	MYOZ1 PPI subnetwork
ENSG00000162367	TAL1 PPI subnetwork
ENSG00000152578	GRIA4 PPI subnetwork
ENSG00000121274	PAPD5 PPI subnetwork
ENSG00000006740	ARHGAP44 PPI subnetwork
ENSG00000152413	HOMER1 PPI subnetwork
ENSG00000100167	SEPT3 PPI subnetwork
ENSG00000138594	TMOD3 PPI subnetwork
GO:0005104	fibroblast growth factor receptor binding
ENSG00000197548	ATG7 PPI subnetwork

MP:0005402	abnormal action potential
GO:0007631	feeding behavior
GO:0031345	negative regulation of cell projection organization
ENSG00000115484	CCT4 PPI subnetwork
GO:0006944	cellular membrane fusion
GO:0007098	centrosome cycle
MP:0000864	abnormal cerebellum vermis morphology
ENSG00000112685	EXOC2 PPI subnetwork
KEGG_DNA_REPLICATION	KEGG_DNA_REPLICATION
ENSG00000115091	ACTR3 PPI subnetwork
GO:0042787	protein ubiquitination involved in ubiquitin-dependent proteir
GO:0043209	myelin sheath
GO:0006904	vesicle docking involved in exocytosis
MP:0005104	abnormal tarsal bone morphology
ENSG00000166900	STX3 PPI subnetwork
ENSG00000163605	PPP4R2 PPI subnetwork
ENSG00000092054	MYH7 PPI subnetwork
ENSG00000173805	HAP1 PPI subnetwork
GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid se
GO:0003678	DNA helicase activity
ENSG00000033122	LRRC7 PPI subnetwork
ENSG00000099399	MAGEB2 PPI subnetwork
MP:0003484	abnormal channel response
GO:0048384	retinoic acid receptor signaling pathway
GO:0060675	ureteric bud morphogenesis
ENSG00000063046	EIF4B PPI subnetwork
GO:0001508	regulation of action potential
ENSG00000156973	PDE6D PPI subnetwork
ENSG00000123562	MORF4L2 PPI subnetwork
GO:0016202	regulation of striated muscle tissue development
ENSG00000106615	RHEB PPI subnetwork
GO:0008375	acetylglucosaminyltransferase activity
GO:0007187	G-protein coupled receptor signaling pathway, coupled to cycl
REACTOME_FANCONI_ANEMIA_PATHWAY	REACTOME_FANCONI_ANEMIA_PATHWAY
ENSG00000139180	NDUFA9 PPI subnetwork
ENSG00000188763	FZD9 PPI subnetwork
ENSG00000047056	WDR37 PPI subnetwork
MP:0001899	absent long term depression
REACTOME_O:LINKED_GLYCOSYLATION_OF	REACTOME_O:LINKED_GLYCOSYLATION_OF_MUCINS
MP:0000036	absent semicircular canals
ENSG00000007816	ENSG00000007816 PPI subnetwork
MP:0001178	pulmonary hypoplasia
GO:0021954	central nervous system neuron development
ENSG00000131558	EXOC4 PPI subnetwork
REACTOME_FORMATION_OF_TUBULIN_FO	REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDI
ENSG00000174804	FZD4 PPI subnetwork
MP:0004163	abnormal adenohypophysis morphology
MP:0003105	abnormal heart atrium morphology
ENSG00000173744	AGFG1 PPI subnetwork
ENSG00000102981	PARD6A PPI subnetwork

GO:0006418	tRNA aminoacylation for protein translation
REACTOME_FGFR1_LIGAND_BINDING_AND	REACTOME_FGFR1_LIGAND_BINDING_AND_ACTIVATION
ENSG00000187953	ENSG00000187953 PPI subnetwork
ENSG00000122512	PMS2 PPI subnetwork
ENSG00000172725	CORO1B PPI subnetwork
ENSG00000151914	DST PPI subnetwork
GO:0090179	planar cell polarity pathway involved in neural tube closure
GO:0090178	regulation of establishment of planar polarity involved in neur
GO:0003230	cardiac atrium development
GO:0016254	preassembly of GPI anchor in ER membrane
ENSG00000182180	MRPS16 PPI subnetwork
GO:0043596	nuclear replication fork
ENSG00000120889	TNFRSF10B PPI subnetwork
ENSG00000084073	ZMPSTE24 PPI subnetwork
GO:0030799	regulation of cyclic nucleotide metabolic process
MP:0001522	impaired swimming
ENSG00000143256	PFDN2 PPI subnetwork
GO:0030330	DNA damage response, signal transduction by p53 class media
GO:0001755	neural crest cell migration
ENSG00000183091	NEB PPI subnetwork
MP:0010856	dilated respiratory conducting tubes
GO:0014704	intercalated disc
GO:0034340	response to type I interferon
GO:0030850	prostate gland development
MP:0000520	absent kidney
GO:0050912	detection of chemical stimulus involved in sensory perception
ENSG00000112379	KIAA1244 PPI subnetwork
ENSG00000164934	DCAF13 PPI subnetwork
ENSG00000147649	MTDH PPI subnetwork
ENSG00000187239	FNBP1 PPI subnetwork
GO:0006493	protein O-linked glycosylation
ENSG00000105880	DLX5 PPI subnetwork
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STR
ENSG00000196872	C2orf55 PPI subnetwork
GO:0042101	T cell receptor complex
GO:0060425	lung morphogenesis
GO:0009123	nucleoside monophosphate metabolic process
MP:0004252	abnormal direction of heart looping
GO:0060740	prostate gland epithelium morphogenesis
ENSG00000130414	NDUFA10 PPI subnetwork
GO:0060606	tube closure
REACTOME_DOPAMINE_NEUROTRANSMIT	REACTOME_DOPAMINE_NEUROTRANSMITTER_RELEASE_CYCI
REACTOME_SEROTONIN_NEUROTRANSMIT	REACTOME_SEROTONIN_NEUROTRANSMITTER_RELEASE_CYC
KEGG_LONG_TERM_POTENTIATION	KEGG_LONG_TERM_POTENTIATION
GO:0005790	smooth endoplasmic reticulum
MP:0006020	decreased tympanic ring size
GO:0006364	rRNA processing
ENSG00000196890	HIST3H2BB PPI subnetwork
GO:0046148	pigment biosynthetic process
GO:0006362	transcription elongation from RNA polymerase I promoter

GO:0043299	leukocyte degranulation
ENSG00000164683	HEY1 PPI subnetwork
GO:0032041	NAD-dependent histone deacetylase activity (H3-K14 specific)
GO:0031078	histone deacetylase activity (H3-K14 specific)
GO:0034739	histone deacetylase activity (H4-K16 specific)
GO:0046970	NAD-dependent histone deacetylase activity (H4-K16 specific)
ENSG00000187672	ERC2 PPI subnetwork
GO:0016579	protein deubiquitination
MP:0011386	increased metanephric mesenchyme apoptosis
REACTOME_MEIOTIC_SYNAPSIS	REACTOME_MEIOTIC_SYNAPSIS
GO:0004527	exonuclease activity
REACTOME_VIRAL_MRNA_TRANSLATION	REACTOME_VIRAL_MRNA_TRANSLATION
ENSG00000158373	HIST1H2BD PPI subnetwork
GO:0004859	phospholipase inhibitor activity
ENSG00000077721	UBE2A PPI subnetwork
GO:0035051	cardiac cell differentiation
GO:0035587	purinergic receptor signaling pathway
GO:0060337	type I interferon-mediated signaling pathway
GO:0071357	cellular response to type I interferon
ENSG00000113368	LMNB1 PPI subnetwork
REACTOME_EXTENSION_OF_TELOMERES	REACTOME_EXTENSION_OF_TELOMERES
GO:0004519	endonuclease activity
MP:0000781	decreased corpus callosum size
ENSG00000152208	GRID2 PPI subnetwork
ENSG00000114784	EIF1B PPI subnetwork
REACTOME_INSULIN_SYNTHESIS_AND_PRC	REACTOME_INSULIN_SYNTHESIS_AND_PROCESSING
ENSG00000138346	DNA2 PPI subnetwork
ENSG00000159082	SYNJ1 PPI subnetwork
ENSG00000137055	PLAA PPI subnetwork
GO:0014855	striated muscle cell proliferation
ENSG00000161970	RPL26 PPI subnetwork
GO:0002381	immunoglobulin production involved in immunoglobulin medi
GO:0008637	apoptotic mitochondrial changes
GO:0007224	smoothened signaling pathway
MP:0009404	centrally nucleated skeletal muscle fibers
GO:0061025	membrane fusion
MP:0001044	abnormal enteric nervous system morphology
GO:0006833	water transport
MP:0001081	abnormal cranial ganglia morphology
GO:0060042	retina morphogenesis in camera-type eye
GO:0043038	amino acid activation
GO:0043039	tRNA aminoacylation
ENSG00000117480	FAAH PPI subnetwork
GO:0008633	activation of pro-apoptotic gene products
ENSG00000083312	TNPO1 PPI subnetwork
MP:0004592	small mandible
ENSG00000166971	AKTIP PPI subnetwork
GO:0006399	tRNA metabolic process
GO:0032648	regulation of interferon-beta production
MP:0004811	abnormal neuron physiology

ENSG00000163554	SPTA1 PPI subnetwork
MP:0003161	absent lateral semicircular canal
MP:0002578	impaired ability to fire action potentials
GO:0006171	cAMP biosynthetic process
REACTOME_ACTIVATION_OF_BH3:ONLY_PI	REACTOME_ACTIVATION_OF_BH3:ONLY_PROTEINS
GO:0030031	cell projection assembly
GO:0006595	polyamine metabolic process
MP:0005191	head tilt
GO:0016805	dipeptidase activity
GO:0009953	dorsal/ventral pattern formation
ENSG00000115268	RPS15 PPI subnetwork
ENSG00000118491	C6orf94 PPI subnetwork
GO:0035036	sperm-egg recognition
GO:0043113	receptor clustering
ENSG00000105953	OGDH PPI subnetwork
GO:0015813	L-glutamate transport
GO:0000724	double-strand break repair via homologous recombination
ENSG00000197597	ENSG00000197597 PPI subnetwork
ENSG00000168539	CHRM1 PPI subnetwork
ENSG00000164086	DUSP7 PPI subnetwork
GO:0021511	spinal cord patterning
GO:0004984	olfactory receptor activity
GO:0047496	vesicle transport along microtubule
ENSG00000151923	TIAL1 PPI subnetwork
ENSG00000188386	PPP3R2 PPI subnetwork
ENSG00000198900	TOP1 PPI subnetwork
GO:0003229	ventricular cardiac muscle tissue development
GO:0033559	unsaturated fatty acid metabolic process
GO:0045814	negative regulation of gene expression, epigenetic
MP:0009838	abnormal sperm axoneme morphology
ENSG00000105176	URI1 PPI subnetwork
GO:0006260	DNA replication
REACTOME_FORMATION_OF_THE_TERNAR	REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_
GO:0060412	ventricular septum morphogenesis
ENSG00000168959	GRM5 PPI subnetwork
GO:0032608	interferon-beta production
ENSG00000164163	ABCE1 PPI subnetwork
MP:0009743	preaxial polydactyly
MP:0003216	absence seizures
GO:0043616	keratinocyte proliferation
MP:0008582	short photoreceptor inner segment
ENSG00000126215	XRCC3 PPI subnetwork
GO:0034329	cell junction assembly
ENSG00000111266	DUSP16 PPI subnetwork
GO:0032156	septin cytoskeleton
GO:0031105	septin complex
ENSG00000147889	CDKN2A PPI subnetwork
GO:0008361	regulation of cell size
GO:0045182	translation regulator activity
REACTOME_FGFR2_LIGAND_BINDING_AND	REACTOME_FGFR2_LIGAND_BINDING_AND_ACTIVATION

GO:0010830	regulation of myotube differentiation
MP:0010386	abnormal urinary bladder physiology
ENSG00000197860	SGTB PPI subnetwork
ENSG00000182899	RPL35A PPI subnetwork
REACTOME_ADHERENS_JUNCTIONS_INTER	REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS
GO:0004520	endodeoxyribonuclease activity
MP:0009745	abnormal behavioral response to xenobiotic
REACTOME_DOUBLE:STRAND_BREAK_REPA	REACTOME_DOUBLE:STRAND_BREAK_REPAIR
GO:0006446	regulation of translational initiation
ENSG00000111432	FZD10 PPI subnetwork
ENSG00000164930	FZD6 PPI subnetwork
ENSG00000125814	NAPB PPI subnetwork
GO:0009952	anterior/posterior pattern specification
GO:0023019	signal transduction involved in regulation of gene expression
ENSG00000138308	PLA2G12B PPI subnetwork
ENSG00000198785	GRIN3A PPI subnetwork
ENSG00000011052	NME2 PPI subnetwork
GO:0006297	nucleotide-excision repair, DNA gap filling
ENSG00000171533	MAP6 PPI subnetwork
ENSG00000089169	RPH3A PPI subnetwork
MP:0000823	abnormal lateral ventricle morphology
ENSG00000113522	RAD50 PPI subnetwork
ENSG00000111262	KCNA1 PPI subnetwork
GO:0005840	ribosome
ENSG00000137955	RABGGTB PPI subnetwork
ENSG00000109062	SLC9A3R1 PPI subnetwork
GO:0008137	NADH dehydrogenase (ubiquinone) activity
GO:0050136	NADH dehydrogenase (quinone) activity
GO:0003954	NADH dehydrogenase activity
GO:0032733	positive regulation of interleukin-10 production
GO:0016458	gene silencing
REACTOME_POST:CHAPERONIN_TUBULIN_	REACTOME_POST:CHAPERONIN_TUBULIN_FOLDING_PATHWA
ENSG00000180340	FZD2 PPI subnetwork
GO:0001673	male germ cell nucleus
ENSG00000116852	KIF21B PPI subnetwork
ENSG00000137076	TLN1 PPI subnetwork
GO:0032814	regulation of natural killer cell activation
GO:0005248	voltage-gated sodium channel activity
GO:0045168	cell-cell signaling involved in cell fate commitment
GO:0001657	ureteric bud development
GO:0002456	T cell mediated immunity
ENSG00000145375	SPATA5 PPI subnetwork
GO:0045263	proton-transporting ATP synthase complex, coupling factor F(
GO:0008601	protein phosphatase type 2A regulator activity
ENSG00000167553	TUBA1C PPI subnetwork
MP:0005205	abnormal eye anterior chamber morphology
ENSG00000155959	VBP1 PPI subnetwork
ENSG00000106263	EIF3B PPI subnetwork
GO:0021513	spinal cord dorsal/ventral patterning
GO:0001518	voltage-gated sodium channel complex

GO:0002504	antigen processing and presentation of peptide or polysacchar
GO:0061333	renal tubule morphogenesis
KEGG_BASAL_CELL_CARCINOMA	KEGG_BASAL_CELL_CARCINOMA
ENSG00000157168	NRG1 PPI subnetwork
GO:0030312	external encapsulating structure
GO:0000086	G2/M transition of mitotic cell cycle
ENSG00000148719	DNAJB12 PPI subnetwork
ENSG00000139842	CUL4A PPI subnetwork
GO:0009314	response to radiation
REACTOME_GLOBAL_GENOMIC_NER_GG:N	REACTOME_GLOBAL_GENOMIC_NER_GG:NER
GO:0022900	electron transport chain
ENSG00000164104	HMGB2 PPI subnetwork
ENSG00000114767	RRP9 PPI subnetwork
GO:0045933	positive regulation of muscle contraction
ENSG00000185130	HIST1H2BL PPI subnetwork
GO:0002827	positive regulation of T-helper 1 type immune response
REACTOME_DNA_REPAIR	REACTOME_DNA_REPAIR
GO:0006164	purine nucleotide biosynthetic process
GO:0050858	negative regulation of antigen receptor-mediated signaling pa
GO:0050860	negative regulation of T cell receptor signaling pathway
ENSG00000113356	POLR3G PPI subnetwork
GO:0030516	regulation of axon extension
ENSG00000143498	TAF1A PPI subnetwork
ENSG00000137831	UACA PPI subnetwork
GO:0004518	nuclease activity
REACTOME_RNA_POLYMERASE_I_CHAIN_E	REACTOME_RNA_POLYMERASE_I_CHAIN_ELONGATION
GO:0006893	Golgi to plasma membrane transport
ENSG00000114391	RPL24 PPI subnetwork
GO:2000826	regulation of heart morphogenesis
REACTOME_CAP:DEPENDENT_TRANSLATIO	REACTOME_CAP:DEPENDENT_TRANSLATION_INITIATION
REACTOME_EUKARYOTIC_TRANSLATION_IN	REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
GO:0009060	aerobic respiration
ENSG00000164754	RAD21 PPI subnetwork
GO:0006457	protein folding
GO:0030808	regulation of nucleotide biosynthetic process
GO:0030802	regulation of cyclic nucleotide biosynthetic process
MP:0009435	abnormal miniature inhibitory postsynaptic currents
ENSG00000109475	RPL34 PPI subnetwork
GO:0021871	forebrain regionalization
ENSG00000091428	RAPGEF4 PPI subnetwork
MP:0005307	head tossing
ENSG00000084733	RAB10 PPI subnetwork
REACTOME_SIGNALING_BY_ROBO_RECEPT	REACTOME_SIGNALING_BY_ROBO_RECEPTOR
GO:0002495	antigen processing and presentation of peptide antigen via MH
ENSG00000128487	SPECC1 PPI subnetwork
GO:0034330	cell junction organization
GO:0009165	nucleotide biosynthetic process
ENSG00000139433	GLTP PPI subnetwork
ENSG00000129824	RPS4Y1 PPI subnetwork
ENSG00000180190	C8orf42 PPI subnetwork

GO:0031128	developmental induction
REACTOME_REMOVAL_OF_THE_FLAP_INTE	REACTOME_REMOVAL_OF_THE_FLAP_INTERMEDIATE
ENSG00000153147	SMARCA5 PPI subnetwork
GO:0051495	positive regulation of cytoskeleton organization
ENSG00000196501	ENSG00000196501 PPI subnetwork
GO:0072283	metanephric renal vesicle morphogenesis
REACTOME_PEPTIDE_CHAIN_ELONGATION	REACTOME_PEPTIDE_CHAIN_ELONGATION
MP:0002023	B cell derived lymphoma
GO:0003401	axis elongation
GO:0035094	response to nicotine
ENSG00000067836	ROGDI PPI subnetwork
GO:0006636	unsaturated fatty acid biosynthetic process
MP:0004022	abnormal cone electrophysiology
MP:0001513	limb grasping
GO:0051983	regulation of chromosome segregation
GO:0010092	specification of organ identity
ENSG00000115953	ENSG00000115953 PPI subnetwork
GO:0007618	mating
GO:0042254	ribosome biogenesis
GO:0015698	inorganic anion transport
GO:0007043	cell-cell junction assembly
ENSG00000134882	UBAC2 PPI subnetwork
ENSG00000100664	EIF5 PPI subnetwork
GO:0016581	NuRD complex
GO:0007379	segment specification
GO:0007188	adenylate cyclase-modulating G-protein coupled receptor sign
ENSG00000205022	PABPN1L PPI subnetwork
GO:0072527	pyrimidine-containing compound metabolic process
ENSG00000129559	NEDD8 PPI subnetwork
REACTOME_EUKARYOTIC_TRANSLATION_E	REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION
GO:0046513	ceramide biosynthetic process
GO:0061077	chaperone-mediated protein folding
ENSG00000134444	KIAA1468 PPI subnetwork
ENSG00000150753	CCT5 PPI subnetwork
GO:0006283	transcription-coupled nucleotide-excision repair
GO:0045055	regulated secretory pathway
MP:0004090	abnormal sarcomere morphology
ENSG00000123360	PDE1B PPI subnetwork
GO:0010043	response to zinc ion
GO:0048738	cardiac muscle tissue development
ENSG00000125970	RALY PPI subnetwork
GO:0055010	ventricular cardiac muscle tissue morphogenesis
GO:0045823	positive regulation of heart contraction
KEGG_INOSITOL_PHOSPHATE_METABOLISM	KEGG_INOSITOL_PHOSPHATE_METABOLISM
GO:0014020	primary neural tube formation
ENSG00000126821	SGPP1 PPI subnetwork
GO:0071826	ribonucleoprotein complex subunit organization
ENSG00000171724	VAT1L PPI subnetwork
ENSG00000120910	PPP3CC PPI subnetwork
ENSG00000177301	KCNA2 PPI subnetwork

GO:0030878	thyroid gland development
GO:0003206	cardiac chamber morphogenesis
GO:0007164	establishment of tissue polarity
MP:0010107	abnormal renal reabsorbtion
ENSG00000173210	ABLIM3 PPI subnetwork
GO:0032728	positive regulation of interferon-beta production
GO:0006342	chromatin silencing
ENSG00000022355	GABRA1 PPI subnetwork
GO:0030814	regulation of cAMP metabolic process
ENSG00000135945	REV1 PPI subnetwork
REACTOME_3_:UTR:MEDIATED_TRANSLATI	REACTOME_3_:UTR:MEDIATED_TRANSLATIONAL_REGULATIO
REACTOME_L13A:MEDIATED_TRANSLATIOI	REACTOME_L13A:MEDIATED_TRANSLATIONAL_SILENCING_OI
GO:0008417	fucosyltransferase activity
GO:0005184	neuropeptide hormone activity
ENSG00000066248	NGEF PPI subnetwork
REACTOME_PRESYNAPTIC_NICOTINIC_ACE	REACTOME_PRESYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECEI
GO:0072132	mesenchyme morphogenesis
ENSG00000197299	BLM PPI subnetwork
ENSG00000063601	MTMR1 PPI subnetwork
MP:0005587	abnormal Meckel's cartilage morphology
ENSG00000196154	S100A4 PPI subnetwork
GO:0043331	response to dsRNA
ENSG00000177084	POLE PPI subnetwork
MP:0004620	cervical vertebral fusion
GO:0061053	somite development
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_OPENING
REACTOME_FGFR1C_LIGAND_BINDING_AN	REACTOME_FGFR1C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000174371	EXO1 PPI subnetwork
MP:0004769	abnormal synaptic vesicle morphology
MP:0008410	increased cellular sensitivity to ultraviolet irradiation
GO:0001738	morphogenesis of a polarized epithelium
MP:0000846	abnormal medulla oblongata morphology
GO:0009190	cyclic nucleotide biosynthetic process
MP:0008456	abnormal retinal rod cell outer segment morphology
GO:0050769	positive regulation of neurogenesis
ENSG00000177889	UBE2N PPI subnetwork
ENSG00000138758	SEPT11 PPI subnetwork
ENSG00000131711	MAP1B PPI subnetwork
MP:0003992	increased mortality induced by ionizing radiation
GO:0030148	sphingolipid biosynthetic process
GO:0031670	cellular response to nutrient
GO:0008135	translation factor activity, nucleic acid binding
GO:0022618	ribonucleoprotein complex assembly
ENSG00000103740	ACSBG1 PPI subnetwork
GO:0005892	acetylcholine-gated channel complex
GO:0032392	DNA geometric change
GO:0032508	DNA duplex unwinding
GO:0045745	positive regulation of G-protein coupled receptor protein signa
GO:0000380	alternative nuclear mRNA splicing, via spliceosome
GO:0004889	acetylcholine-activated cation-selective channel activity

MP:0005296	abnormal humerus morphology
GO:0035270	endocrine system development
GO:0006275	regulation of DNA replication
GO:0051053	negative regulation of DNA metabolic process
GO:0072431	signal transduction involved in mitotic cell cycle G1/S transitio
GO:0006977	DNA damage response, signal transduction by p53 class media
GO:0072413	signal transduction involved in mitotic cell cycle checkpoint
GO:0072401	signal transduction involved in DNA integrity checkpoint
GO:0072474	signal transduction involved in mitotic cell cycle G1/S checkpo
GO:0072422	signal transduction involved in DNA damage checkpoint
GO:0009303	rRNA transcription
ENSG00000171863	RPS7 PPI subnetwork
GO:0006412	translation
GO:0030159	receptor signaling complex scaffold activity
ENSG00000197956	S100A6 PPI subnetwork
MP:0009414	skeletal muscle fiber necrosis
GO:0043198	dendritic shaft
ENSG00000088832	FKBP1A PPI subnetwork
GO:0010632	regulation of epithelial cell migration
GO:0021532	neural tube patterning
GO:0031272	regulation of pseudopodium assembly
ENSG00000197756	RPL37A PPI subnetwork
ENSG00000196981	WDR5B PPI subnetwork
GO:0045737	positive regulation of cyclin-dependent protein kinase activity
GO:0060026	convergent extension
ENSG00000167283	ATP5L PPI subnetwork
ENSG00000197102	DYNC1H1 PPI subnetwork
GO:0070936	protein K48-linked ubiquitination
GO:2001014	regulation of skeletal muscle cell differentiation
GO:0031346	positive regulation of cell projection organization
ENSG00000183405	ENSG00000183405 PPI subnetwork
ENSG00000101189	C20orf20 PPI subnetwork
ENSG00000081248	CACNA1S PPI subnetwork
GO:0032956	regulation of actin cytoskeleton organization
ENSG00000198925	ATG9A PPI subnetwork
GO:0000725	recombinational repair
GO:0010464	regulation of mesenchymal cell proliferation
ENSG00000163132	MSX1 PPI subnetwork
GO:0003231	cardiac ventricle development
GO:0045665	negative regulation of neuron differentiation
ENSG00000100968	NFATC4 PPI subnetwork
ENSG00000145423	SFRP2 PPI subnetwork
GO:0048701	embryonic cranial skeleton morphogenesis
ENSG00000075945	KIFAP3 PPI subnetwork
ENSG00000133812	SBF2 PPI subnetwork
MP:0002746	abnormal semilunar valve morphology
GO:0014048	regulation of glutamate secretion
GO:0019083	viral transcription
GO:0019080	viral genome expression
GO:0006099	tricarboxylic acid cycle

GO:0030313	cell envelope
GO:0044462	external encapsulating structure part
GO:0060216	definitive hemopoiesis
GO:0003007	heart morphogenesis
ENSG00000214826	ENSG00000214826 PPI subnetwork
ENSG00000111788	ENSG00000111788 PPI subnetwork
ENSG00000100321	SYNGR1 PPI subnetwork
GO:0035326	enhancer binding
GO:0030199	collagen fibril organization
ENSG00000087302	C14orf166 PPI subnetwork
GO:0030917	midbrain-hindbrain boundary development
GO:0002011	morphogenesis of an epithelial sheet
ENSG00000157240	FZD1 PPI subnetwork
MP:0009712	impaired conditioned place preference behavior
ENSG00000105193	RPS16 PPI subnetwork
ENSG00000189369	GSPT2 PPI subnetwork
GO:0046467	membrane lipid biosynthetic process
GO:0090263	positive regulation of canonical Wnt receptor signaling pathwa
GO:0043303	mast cell degranulation
GO:0032481	positive regulation of type I interferon production
MP:0002211	abnormal primary sex determination
ENSG00000138396	ENSG00000138396 PPI subnetwork
GO:0008408	3'-5' exonuclease activity
GO:0045333	cellular respiration
GO:0090177	establishment of planar polarity involved in neural tube closur
ENSG00000155760	FZD7 PPI subnetwork
ENSG00000104863	LIN7B PPI subnetwork
GO:0070830	tight junction assembly
GO:0031114	regulation of microtubule depolymerization
GO:0042074	cell migration involved in gastrulation
GO:0009124	nucleoside monophosphate biosynthetic process
ENSG00000163939	PBRM1 PPI subnetwork
GO:0034405	response to fluid shear stress
ENSG00000078808	SDF4 PPI subnetwork
REACTOME_BOTULINUM_NEUROTOXICITY	REACTOME_BOTULINUM_NEUROTOXICITY
GO:0031110	regulation of microtubule polymerization or depolymerization
ENSG00000148943	LIN7C PPI subnetwork
ENSG00000106665	CLIP2 PPI subnetwork
REACTOME_INHIBITION_OF_INSULIN_SECR	REACTOME_INHIBITION_OF_INSULIN_SECRETION_BY_ADRENA
ENSG00000151164	RAD9B PPI subnetwork
MP:0004145	abnormal muscle electrophysiology
ENSG00000206440	NFKBIL1 PPI subnetwork
ENSG00000168593	ENSG00000168593 PPI subnetwork
GO:0030819	positive regulation of cAMP biosynthetic process
GO:0030816	positive regulation of cAMP metabolic process
ENSG00000101331	C20orf160 PPI subnetwork
ENSG00000078140	UBE2K PPI subnetwork
GO:0009262	deoxyribonucleotide metabolic process
ENSG00000164402	SEPT8 PPI subnetwork
GO:0050806	positive regulation of synaptic transmission

GO:0090175	regulation of establishment of planar polarity
GO:0060071	Wnt receptor signaling pathway, planar cell polarity pathway
GO:0002768	immune response-regulating cell surface receptor signaling pa
ENSG00000005156	LIG3 PPI subnetwork
GO:0047555	3',5'-cyclic-GMP phosphodiesterase activity
GO:0003338	metanephros morphogenesis
ENSG00000149806	FAU PPI subnetwork
GO:0048483	autonomic nervous system development
GO:0046641	positive regulation of alpha-beta T cell proliferation
GO:0007130	synaptonemal complex assembly
MP:0001940	testis hypoplasia
ENSG00000078053	AMPH PPI subnetwork
ENSG00000130811	EIF3G PPI subnetwork
MP:0004021	abnormal rod electrophysiology
ENSG00000147677	EIF3H PPI subnetwork
GO:0008635	activation of cysteine-type endopeptidase activity involved in
GO:0044291	cell-cell contact zone
ENSG00000177731	FLII PPI subnetwork
ENSG00000051180	RAD51 PPI subnetwork
GO:0043567	regulation of insulin-like growth factor receptor signaling path
ENSG00000149357	LAMTOR1 PPI subnetwork
GO:0072009	nephron epithelium development
ENSG00000215694	ENSG00000215694 PPI subnetwork
ENSG00000168393	DTYMK PPI subnetwork
GO:0051606	detection of stimulus
GO:0030817	regulation of cAMP biosynthetic process
ENSG00000120254	MTHFD1L PPI subnetwork
MP:0005595	abnormal vascular smooth muscle physiology
GO:0042471	ear morphogenesis
GO:0048333	mesodermal cell differentiation
ENSG00000013503	POLR3B PPI subnetwork
GO:0030032	lamellipodium assembly
GO:0006310	DNA recombination
GO:0042745	circadian sleep/wake cycle
ENSG00000171848	RRM2 PPI subnetwork
GO:0007026	negative regulation of microtubule depolymerization
ENSG00000084623	EIF3I PPI subnetwork
MP:0005445	abnormal neurotransmitter secretion
GO:0072273	metanephric nephron morphogenesis
GO:0006413	translational initiation
GO:0021545	cranial nerve development
GO:0007617	mating behavior
ENSG00000181790	BAI1 PPI subnetwork
GO:0006692	prostanoid metabolic process
GO:0072075	metanephric mesenchyme development
GO:0090257	regulation of muscle system process
ENSG00000100503	NIN PPI subnetwork
KEGG_MISMATCH_REPAIR	KEGG_MISMATCH_REPAIR
GO:0042573	retinoic acid metabolic process
GO:0000726	non-recombinational repair

GO:0070307	lens fiber cell development
GO:0042472	inner ear morphogenesis
MP:0004091	abnormal Z lines
GO:0042044	fluid transport
GO:0031594	neuromuscular junction
ENSG00000172053	QARS PPI subnetwork
GO:0051294	establishment of spindle orientation
GO:0000132	establishment of mitotic spindle orientation
MP:0002546	mydriasis
GO:0016072	rRNA metabolic process
GO:0006370	mRNA capping
GO:0032984	macromolecular complex disassembly
GO:0000976	transcription regulatory region sequence-specific DNA binding
GO:0031575	mitotic cell cycle G1/S transition checkpoint
GO:0051303	establishment of chromosome localization
GO:0050000	chromosome localization
GO:0010972	negative regulation of G2/M transition of mitotic cell cycle
ENSG00000154229	PRKCA PPI subnetwork
GO:0048675	axon extension
GO:2000045	regulation of G1/S transition of mitotic cell cycle
GO:0048745	smooth muscle tissue development
GO:0008608	attachment of spindle microtubules to kinetochore
GO:0048641	regulation of skeletal muscle tissue development
ENSG00000126749	ENSG00000126749 PPI subnetwork
GO:0032816	positive regulation of natural killer cell activation
GO:0050803	regulation of synapse structure and activity
GO:0048806	genitalia development
ENSG00000179262	RAD23A PPI subnetwork
ENSG00000106089	STX1A PPI subnetwork
GO:0032970	regulation of actin filament-based process
MP:0008840	abnormal spike wave discharge
MP:0001504	abnormal posture
GO:0061311	cell surface receptor signaling pathway involved in heart devel
MP:0001292	abnormal lens vesicle development
MP:0002887	decreased susceptibility to pharmacologically induced seizures
ENSG00000065485	PDIA5 PPI subnetwork
GO:0001510	RNA methylation
ENSG00000164362	TERT PPI subnetwork
ENSG00000104637	ENSG00000104637 PPI subnetwork
MP:0005297	spina bifida occulta
GO:0001750	photoreceptor outer segment
ENSG00000141404	GNAL PPI subnetwork
ENSG00000155980	KIF5A PPI subnetwork
GO:0032465	regulation of cytokinesis
GO:0008064	regulation of actin polymerization or depolymerization
MP:0001469	abnormal contextual conditioning behavior
GO:0009411	response to UV
GO:0003205	cardiac chamber development
GO:0051313	attachment of spindle microtubules to chromosome
GO:0042136	neurotransmitter biosynthetic process

MP:0004355	short radius
GO:0003197	endocardial cushion development
GO:0001736	establishment of planar polarity
GO:0044441	cilium part
ENSG00000143549	TPM3 PPI subnetwork
GO:0016891	endoribonuclease activity, producing 5'-phosphomonoesters
GO:0031047	gene silencing by RNA
GO:0006688	glycosphingolipid biosynthetic process
ENSG00000104290	FZD3 PPI subnetwork
GO:0003016	respiratory system process
GO:2000602	regulation of interphase of mitotic cell cycle
GO:0016444	somatic cell DNA recombination
GO:0002562	somatic diversification of immune receptors via germline reco
GO:0035329	hippo signaling cascade
GO:0003735	structural constituent of ribosome
REACTOME_GTP_HYDROLYSIS_AND_JOININ	REACTOME_GTP_HYDROLYSIS_AND_JOINING_OF_THE_60S_R
MP:0008585	absent photoreceptor outer segment
REACTOME_OLFACTORY_SIGNALING_PATH	REACTOME_OLFACTORY_SIGNALING_PATHWAY
GO:0005865	striated muscle thin filament
GO:0015949	nucleobase-containing small molecule interconversion
GO:0006281	DNA repair
GO:0046640	regulation of alpha-beta T cell proliferation
GO:0005212	structural constituent of eye lens
GO:0000381	regulation of alternative nuclear mRNA splicing, via spliceoson
GO:0007368	determination of left/right symmetry
ENSG00000066032	CTNNA2 PPI subnetwork
ENSG00000037241	RPL26L1 PPI subnetwork
GO:0030101	natural killer cell activation
ENSG00000130255	RPL36 PPI subnetwork
GO:0040001	establishment of mitotic spindle localization
REACTOME_MEIOSIS	REACTOME_MEIOSIS
GO:0003203	endocardial cushion morphogenesis
GO:0009247	glycolipid biosynthetic process
MP:0004543	abnormal sperm physiology
GO:0045746	negative regulation of Notch signaling pathway
ENSG00000108298	RPL19 PPI subnetwork
GO:0071779	G1/S transition checkpoint
GO:0005852	eukaryotic translation initiation factor 3 complex
GO:0043967	histone H4 acetylation
ENSG00000072315	TRPC5 PPI subnetwork
GO:0072404	signal transduction involved in G1/S transition checkpoint
GO:0072395	signal transduction involved in cell cycle checkpoint
GO:0000076	DNA replication checkpoint
ENSG00000129562	DAD1 PPI subnetwork
ENSG00000099800	TIMM13 PPI subnetwork
GO:0008173	RNA methyltransferase activity
ENSG00000118007	STAG1 PPI subnetwork
ENSG00000129990	SYT5 PPI subnetwork
ENSG00000173786	CNP PPI subnetwork
ENSG00000105514	RAB3D PPI subnetwork

GO:0021904	dorsal/ventral neural tube patterning
ENSG00000198641	ENSG00000198641 PPI subnetwork
GO:0045652	regulation of megakaryocyte differentiation
ENSG00000171858	RPS21 PPI subnetwork
GO:0007019	microtubule depolymerization
ENSG00000212664	ENSG00000212664 PPI subnetwork
GO:0016337	cell-cell adhesion
MP:0003730	abnormal photoreceptor inner segment morphology
GO:0010463	mesenchymal cell proliferation
MP:0003008	enhanced long term potentiation
REACTOME_POTASSIUM_CHANNELS	REACTOME_POTASSIUM_CHANNELS
GO:0009855	determination of bilateral symmetry
ENSG00000037042	TUBG2 PPI subnetwork
ENSG00000163527	STT3B PPI subnetwork
GO:0033205	cell cycle cytokinesis
MP:0001008	abnormal sympathetic ganglion morphology
MP:0000749	muscle degeneration
ENSG00000176534	ENSG00000176534 PPI subnetwork
ENSG00000198637	ENSG00000198637 PPI subnetwork
ENSG00000196681	ENSG00000196681 PPI subnetwork
ENSG00000163288	GABRB1 PPI subnetwork
GO:0051298	centrosome duplication
GO:0006986	response to unfolded protein
ENSG00000013573	DDX11 PPI subnetwork
ENSG00000137818	RPLP1 PPI subnetwork
ENSG00000157601	MX1 PPI subnetwork
GO:0072163	mesonephric epithelium development
GO:0072164	mesonephric tubule development
ENSG00000163440	PDCL2 PPI subnetwork
ENSG00000140694	PARN PPI subnetwork
ENSG00000175333	ENSG00000175333 PPI subnetwork
MP:0008058	abnormal DNA repair
GO:0033077	T cell differentiation in thymus
MP:0005192	increased motor neuron number
GO:0050890	cognition
MP:0003635	abnormal synaptic transmission
MP:0001052	abnormal muscle innervation
ENSG00000115561	CHMP3 PPI subnetwork
ENSG00000140986	RPL3L PPI subnetwork
ENSG00000148229	POLE3 PPI subnetwork
GO:0001841	neural tube formation
ENSG00000196792	STRN3 PPI subnetwork
GO:0021953	central nervous system neuron differentiation
REACTOME_COOPERATION_OF_PREFOLDIN	REACTOME_COOPERATION_OF_PREFOLDIN_AND_TRICCCT__
REACTOME_PREFOLDIN_MEDIATED_TRANS	REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRA
GO:0030832	regulation of actin filament length
ENSG00000150672	DLG2 PPI subnetwork
MP:0009456	impaired cued conditioning behavior
GO:0051493	regulation of cytoskeleton organization
GO:0045672	positive regulation of osteoclast differentiation

GO:0045296	cadherin binding
MP:0004859	abnormal synaptic plasticity
GO:0035966	response to topologically incorrect protein
MP:0004096	abnormal midbrain-hindbrain boundary development
GO:0071359	cellular response to dsRNA
ENSG00000184702	SEPT5 PPI subnetwork
ENSG00000158169	FANCC PPI subnetwork
GO:0090130	tissue migration
GO:0071436	sodium ion export
ENSG00000069275	NUCKS1 PPI subnetwork
GO:0090103	cochlea morphogenesis
GO:0035148	tube formation
ENSG00000101150	TPD52L2 PPI subnetwork
ENSG00000184967	NOC4L PPI subnetwork
GO:0006303	double-strand break repair via nonhomologous end joining
GO:0043297	apical junction assembly
GO:0000226	microtubule cytoskeleton organization
GO:0016079	synaptic vesicle exocytosis
ENSG00000163468	CCT3 PPI subnetwork
GO:0009127	purine nucleoside monophosphate biosynthetic process
GO:0009168	purine ribonucleoside monophosphate biosynthetic process
ENSG00000120057	SFRP5 PPI subnetwork
ENSG00000104332	SFRP1 PPI subnetwork
ENSG00000106483	SFRP4 PPI subnetwork
GO:0006779	porphyrin-containing compound biosynthetic process
GO:0033014	tetrapyrrole biosynthetic process
GO:0008630	DNA damage response, signal transduction resulting in inducti
GO:0046928	regulation of neurotransmitter secretion
MP:0003862	decreased aggression towards males
REACTOME_FORMATION_OF_A_POOL_OF_	REACTOME_FORMATION_OF_A_POOL_OF_FREE_40S_SUBUN
ENSG00000078328	RBFOX1 PPI subnetwork
GO:0014902	myotube differentiation
GO:0007271	synaptic transmission, cholinergic
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
ENSG00000112306	RPS12 PPI subnetwork
GO:0008194	UDP-glycosyltransferase activity
REACTOME_EUKARYOTIC_TRANSLATION_TI	REACTOME_EUKARYOTIC_TRANSLATION_TERMINATION
ENSG00000151067	CACNA1C PPI subnetwork
ENSG00000163904	SENP2 PPI subnetwork
GO:0003684	damaged DNA binding
GO:0005227	calcium activated cation channel activity
GO:0021602	cranial nerve morphogenesis
ENSG00000160199	PKNOX1 PPI subnetwork
MP:0010404	ostium primum atrial septal defect
ENSG00000163875	MEAF6 PPI subnetwork
GO:0004536	deoxyribonuclease activity
GO:0018345	protein palmitoylation
GO:0030833	regulation of actin filament polymerization
ENSG00000025772	TOMM34 PPI subnetwork
GO:0006693	prostaglandin metabolic process

ENSG00000169282	KCNAB1 PPI subnetwork
GO:0003207	cardiac chamber formation
GO:0006312	mitotic recombination
MP:0000534	abnormal ureter morphology
GO:0002429	immune response-activating cell surface receptor signaling pat
GO:0002279	mast cell activation involved in immune response
GO:0048562	embryonic organ morphogenesis
GO:0051597	response to methylmercury
GO:0009161	ribonucleoside monophosphate metabolic process
GO:0003746	translation elongation factor activity
GO:0015074	DNA integration
GO:0050906	detection of stimulus involved in sensory perception
ENSG00000095564	BTAF1 PPI subnetwork
GO:0002448	mast cell mediated immunity
MP:0003384	abnormal ventral body wall morphology
GO:0050691	regulation of defense response to virus by host
ENSG00000086205	FOLH1 PPI subnetwork
GO:0016363	nuclear matrix
GO:0060537	muscle tissue development
GO:0030018	Z disc
ENSG00000065057	NTHL1 PPI subnetwork
GO:0001837	epithelial to mesenchymal transition
MP:0002823	abnormal rib development
GO:0032272	negative regulation of protein polymerization
GO:0001710	mesodermal cell fate commitment
ENSG00000120438	TCP1 PPI subnetwork
GO:0046633	alpha-beta T cell proliferation
GO:0005267	potassium channel activity
ENSG00000102391	ENSG00000102391 PPI subnetwork
GO:0003156	regulation of organ formation
GO:0048167	regulation of synaptic plasticity
GO:0045005	maintenance of fidelity involved in DNA-dependent DNA replic
GO:0031432	titin binding
GO:0072175	epithelial tube formation
GO:0006690	icosanoid metabolic process
ENSG00000148660	CAMK2G PPI subnetwork
GO:0005254	chloride channel activity
ENSG00000005194	CIAPIN1 PPI subnetwork
GO:0045060	negative thymic T cell selection
ENSG00000092964	DPYSL2 PPI subnetwork
GO:0060411	cardiac septum morphogenesis
GO:0035914	skeletal muscle cell differentiation
KEGG_NUCLEOTIDE_EXCISION_REPAIR	KEGG_NUCLEOTIDE_EXCISION_REPAIR
GO:0009452	RNA capping
GO:0070193	synaptonemal complex organization
GO:0048715	negative regulation of oligodendrocyte differentiation
GO:0007129	synapsis
ENSG00000143858	SYT2 PPI subnetwork
ENSG00000074266	EED PPI subnetwork
ENSG00000088356	PDRG1 PPI subnetwork

MP:0004613	fusion of vertebral arches
ENSG00000124217	MOCS3 PPI subnetwork
GO:0060485	mesenchyme development
ENSG00000148408	CACNA1B PPI subnetwork
GO:0003211	cardiac ventricle formation
MP:0008572	abnormal Purkinje cell dendrite morphology
MP:0002689	abnormal molar morphology
ENSG00000198918	RPL39 PPI subnetwork
GO:0043584	nose development
GO:0070192	chromosome organization involved in meiosis
ENSG00000162244	RPL29 PPI subnetwork
REACTOME_INTERACTION_BETWEEN_L1_A	REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS
GO:0033555	multicellular organismal response to stress
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_INDEPENDENT_O
ENSG00000124614	RPS10 PPI subnetwork
GO:0035567	non-canonical Wnt receptor signaling pathway
GO:0032467	positive regulation of cytokinesis
GO:0042133	neurotransmitter metabolic process
ENSG00000136854	STXBP1 PPI subnetwork
ENSG00000102683	SGCG PPI subnetwork
REACTOME_PURINE_RIBONUCLEOSIDE_MC	REACTOME_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_B
GO:0032200	telomere organization
ENSG00000124802	EEF1E1 PPI subnetwork
REACTOME_FGFR3_LIGAND_BINDING_AND	REACTOME_FGFR3_LIGAND_BINDING_AND_ACTIVATION
REACTOME_FGFR3C_LIGAND_BINDING_AN	REACTOME_FGFR3C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000162613	FUBP1 PPI subnetwork
GO:0007189	adenylate cyclase-activating G-protein coupled receptor signal
GO:0010578	regulation of adenylate cyclase activity involved in G-protein c
GO:0010579	positive regulation of adenylate cyclase activity involved in G-p
GO:0031576	G2/M transition checkpoint
GO:0030705	cytoskeleton-dependent intracellular transport
GO:0072087	renal vesicle development
ENSG00000170004	CHD3 PPI subnetwork
ENSG00000070501	POLB PPI subnetwork
GO:0001838	embryonic epithelial tube formation
ENSG00000179841	AKAP5 PPI subnetwork
ENSG00000169139	UBE2V2 PPI subnetwork
GO:0007218	neuropeptide signaling pathway
GO:0060041	retina development in camera-type eye
GO:0000279	M phase
GO:0001656	metanephros development
GO:0014706	striated muscle tissue development
GO:0005253	anion channel activity
GO:0007274	neuromuscular synaptic transmission
GO:0043269	regulation of ion transport
GO:0006182	cGMP biosynthetic process
GO:0048635	negative regulation of muscle organ development
MP:0000531	right pulmonary isomerism
GO:0043368	positive T cell selection
GO:0007141	male meiosis I

GO:0045980	negative regulation of nucleotide metabolic process
GO:0010970	microtubule-based transport
GO:0001823	mesonephros development
GO:0030017	sarcomere
ENSG00000076242	MLH1 PPI subnetwork
GO:0007413	axonal fasciculation
REACTOME_FGFR2C_LIGAND_BINDING_AN	REACTOME_FGFR2C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000134072	CAMK1 PPI subnetwork
MP:0008070	absent T cells
ENSG00000130429	ARPC1B PPI subnetwork
GO:0016796	exonuclease activity, active with either ribo- or deoxyribonucl
GO:0034505	tooth mineralization
GO:0000723	telomere maintenance
GO:0060271	cilium morphogenesis
GO:0072078	nephron tubule morphogenesis
GO:0007223	Wnt receptor signaling pathway, calcium modulating pathway
ENSG00000100479	POLE2 PPI subnetwork
MP:0005010	abnormal CD8-positive T cell morphology
GO:0034623	cellular macromolecular complex disassembly
GO:0046902	regulation of mitochondrial membrane permeability
GO:0005930	axoneme
GO:0021955	central nervous system neuron axonogenesis
GO:0042733	embryonic digit morphogenesis
ENSG00000117748	RPA2 PPI subnetwork
GO:0004012	phospholipid-translocating ATPase activity
GO:0008328	ionotropic glutamate receptor complex
GO:0004143	diacylglycerol kinase activity
ENSG00000169213	RAB3B PPI subnetwork
GO:0032886	regulation of microtubule-based process
GO:0045214	sarcomere organization
GO:0051653	spindle localization
GO:0051293	establishment of spindle localization
GO:0043044	ATP-dependent chromatin remodeling
GO:0034399	nuclear periphery
GO:2000242	negative regulation of reproductive process
GO:0005884	actin filament
MP:0006400	decreased molar number
GO:0007128	meiotic prophase I
GO:0017157	regulation of exocytosis
GO:0009799	specification of symmetry
GO:0015893	drug transport
GO:0021675	nerve development
ENSG00000186141	POLR3C PPI subnetwork
ENSG00000171530	TBCA PPI subnetwork
GO:0060048	cardiac muscle contraction
ENSG00000071794	HLTF PPI subnetwork
ENSG00000132383	RPA1 PPI subnetwork
GO:0035116	embryonic hindlimb morphogenesis
GO:0048741	skeletal muscle fiber development
ENSG00000140400	MAN2C1 PPI subnetwork

GO:0031023	microtubule organizing center organization
GO:0043523	regulation of neuron apoptotic process
GO:0051402	neuron apoptotic process
GO:0034728	nucleosome organization
GO:0032273	positive regulation of protein polymerization
GO:0070588	calcium ion transmembrane transport
MP:0001951	abnormal breathing pattern
GO:0030029	actin filament-based process
GO:0055008	cardiac muscle tissue morphogenesis
GO:0042776	mitochondrial ATP synthesis coupled proton transport
GO:0003281	ventricular septum development
ENSG00000071909	MYO3B PPI subnetwork
ENSG00000153827	TRIP12 PPI subnetwork
GO:0048844	artery morphogenesis
GO:0072074	kidney mesenchyme development
GO:0000387	spliceosomal snRNP assembly
GO:0000722	telomere maintenance via recombination
GO:0071103	DNA conformation change
GO:0032331	negative regulation of chondrocyte differentiation
GO:2001020	regulation of response to DNA damage stimulus
GO:0050885	neuromuscular process controlling balance
GO:0051966	regulation of synaptic transmission, glutamatergic
GO:0048663	neuron fate commitment
MP:0000536	hydroureter
GO:0030425	dendrite
GO:0003779	actin binding
GO:0060968	regulation of gene silencing
GO:0042249	establishment of planar polarity of embryonic epithelium
GO:0048742	regulation of skeletal muscle fiber development
GO:0005272	sodium channel activity
GO:0006261	DNA-dependent DNA replication
GO:0051297	centrosome organization
GO:0070997	neuron death
GO:0050879	multicellular organismal movement
GO:0050881	musculoskeletal movement
GO:0055117	regulation of cardiac muscle contraction
GO:0005200	structural constituent of cytoskeleton
GO:0060363	cranial suture morphogenesis
GO:0097094	craniofacial suture morphogenesis
GO:0010959	regulation of metal ion transport
ENSG00000125354	SEPT6 PPI subnetwork
GO:0007213	G-protein coupled acetylcholine receptor signaling pathway
GO:0043383	negative T cell selection
GO:0008307	structural constituent of muscle
GO:0021533	cell differentiation in hindbrain
GO:0042274	ribosomal small subunit biogenesis
ENSG00000175595	ERCC4 PPI subnetwork
GO:0006816	calcium ion transport
GO:0043450	alkene biosynthetic process
GO:0019370	leukotriene biosynthetic process

GO:0050954	sensory perception of mechanical stimulus
GO:0072077	renal vesicle morphogenesis
ENSG00000154310	TNIK PPI subnetwork
GO:0021889	olfactory bulb interneuron differentiation
MP:0009757	impaired behavioral response to morphine
GO:0031109	microtubule polymerization or depolymerization
GO:0001916	positive regulation of T cell mediated cytotoxicity
MP:0002766	situs inversus
GO:0005249	voltage-gated potassium channel activity
GO:0030016	myofibril
GO:0002230	positive regulation of defense response to virus by host
GO:0051146	striated muscle cell differentiation
REACTOME_MEIOTIC_RECOMBINATION	REACTOME_MEIOTIC_RECOMBINATION
ENSG00000004779	NDUFAB1 PPI subnetwork
GO:0046456	icosanoid biosynthetic process
ENSG00000182185	RAD51B PPI subnetwork
GO:0015079	potassium ion transmembrane transporter activity
ENSG00000120149	MSX2 PPI subnetwork
GO:0043292	contractile fiber
MP:0002913	abnormal PNS synaptic transmission
GO:0032535	regulation of cellular component size
GO:0005932	microtubule basal body
ENSG00000128050	PAICS PPI subnetwork
GO:0048762	mesenchymal cell differentiation
MP:0006113	abnormal heart septum morphology
GO:0044449	contractile fiber part
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_GG:NER
REACTOME_FORMATION_OF_INCISION_CO	REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG:NE
KEGG_RIBOSOME	KEGG_RIBOSOME
GO:0072088	nephron epithelium morphogenesis
GO:0060441	epithelial tube branching involved in lung morphogenesis
MP:0006358	absent pinna reflex
GO:0070507	regulation of microtubule cytoskeleton organization
GO:0021781	glial cell fate commitment
ENSG00000104067	TJP1 PPI subnetwork
GO:0007018	microtubule-based movement
GO:0031674	I band
GO:0030534	adult behavior
ENSG00000144713	RPL32 PPI subnetwork
GO:0045086	positive regulation of interleukin-2 biosynthetic process
GO:0014032	neural crest cell development
ENSG00000114026	OGG1 PPI subnetwork
ENSG00000069424	KCNAB2 PPI subnetwork
GO:0035113	embryonic appendage morphogenesis
GO:0030326	embryonic limb morphogenesis
GO:0007051	spindle organization
MP:0002826	tonic seizures
REACTOME_GLUTAMATE_BINDING_ACTIVA	REACTOME_GLUTAMATE_BINDING_ACTIVATION_OF_AMPA_I
REACTOME_TRAFFICKING_OF_AMPA_RECE	REACTOME_TRAFFICKING_OF_AMPA_RECEPTORS
GO:0005544	calcium-dependent phospholipid binding

GO:0010171	body morphogenesis
ENSG00000140416	TPM1 PPI subnetwork
GO:0050851	antigen receptor-mediated signaling pathway
GO:0007611	learning or memory
GO:0004003	ATP-dependent DNA helicase activity
ENSG00000175482	POLD4 PPI subnetwork
GO:0007017	microtubule-based process
GO:0048596	embryonic camera-type eye morphogenesis
MP:0003672	abnormal ureter development
GO:0050911	detection of chemical stimulus involved in sensory perception
ENSG00000197694	SPTAN1 PPI subnetwork
ENSG00000167977	KCTD5 PPI subnetwork
GO:0007519	skeletal muscle tissue development
GO:0014031	mesenchymal cell development
GO:0048644	muscle organ morphogenesis
GO:0070528	protein kinase C signaling cascade
GO:0016459	myosin complex
ENSG00000101333	PLCB4 PPI subnetwork
GO:0014033	neural crest cell differentiation
GO:0008239	dipeptidyl-peptidase activity
GO:0006783	heme biosynthetic process
ENSG00000108387	SEPT4 PPI subnetwork
REACTOME_STRIATED_MUSCLE_CONTRACT	REACTOME_STRIATED_MUSCLE_CONTRACTION
GO:0051494	negative regulation of cytoskeleton organization
ENSG00000198722	UNC13B PPI subnetwork
GO:0031032	actomyosin structure organization
GO:0030838	positive regulation of actin filament polymerization
MP:0000937	abnormal motor neuron morphology
GO:0007269	neurotransmitter secretion
GO:0001158	enhancer sequence-specific DNA binding
GO:0042162	telomeric DNA binding
GO:0055001	muscle cell development
GO:0050919	negative chemotaxis
GO:0048704	embryonic skeletal system morphogenesis
GO:0007605	sensory perception of sound
GO:0030239	myofibril assembly
MP:0006379	abnormal spermatocyte morphology
GO:0060993	kidney morphogenesis
ENSG00000083642	PDS5B PPI subnetwork
GO:0003012	muscle system process
GO:0007006	mitochondrial membrane organization
GO:0040036	regulation of fibroblast growth factor receptor signaling pathw
GO:0008156	negative regulation of DNA replication
GO:0042401	cellular biogenic amine biosynthetic process
GO:0060538	skeletal muscle organ development
ENSG00000182568	SATB1 PPI subnetwork
GO:0072028	nephron morphogenesis
GO:0022904	respiratory electron transport chain
MP:0001360	abnormal social investigation
REACTOME_POST_NMDA_RECEPTOR_ACTI	REACTOME_POST_NMDA_RECEPTOR_ACTIVATION_EVENTS

ENSG00000148606	POLR3A PPI subnetwork
KEGG_HEDGEHOG_SIGNALING_PATHWAY	KEGG_HEDGEHOG_SIGNALING_PATHWAY
GO:0001764	neuron migration
GO:0002089	lens morphogenesis in camera-type eye
GO:0035253	ciliary rootlet
ENSG00000100151	PICK1 PPI subnetwork
GO:0016331	morphogenesis of embryonic epithelium
GO:0003279	cardiac septum development
GO:0042026	protein refolding
GO:0043601	nuclear replisome
GO:0030894	replisome
GO:0006266	DNA ligation
GO:0006333	chromatin assembly or disassembly
GO:0042398	cellular modified amino acid biosynthetic process
ENSG00000154174	TOMM70A PPI subnetwork
GO:0050852	T cell receptor signaling pathway
GO:0030594	neurotransmitter receptor activity
GO:0051015	actin filament binding
GO:0060992	response to fungicide
ENSG00000075711	DLG1 PPI subnetwork
GO:0045103	intermediate filament-based process
GO:0043241	protein complex disassembly
GO:0042771	DNA damage response, signal transduction by p53 class media
GO:0060415	muscle tissue morphogenesis
GO:0050808	synapse organization
GO:0060323	head morphogenesis
ENSG00000145414	NAF1 PPI subnetwork
GO:0035725	sodium ion transmembrane transport
GO:0016339	calcium-dependent cell-cell adhesion
GO:0072372	primary cilium
GO:0032391	photoreceptor connecting cilium
GO:0030809	negative regulation of nucleotide biosynthetic process
GO:0030800	negative regulation of cyclic nucleotide metabolic process
GO:0030803	negative regulation of cyclic nucleotide biosynthetic process
ENSG00000196470	SIAH1 PPI subnetwork
ENSG00000146677	ENSG00000146677 PPI subnetwork
MP:0004522	abnormal orientation of cochlear hair cell stereociliary bundles
ENSG00000162511	LAPTM5 PPI subnetwork
ENSG00000132305	IMMT PPI subnetwork
GO:0006821	chloride transport
GO:0010039	response to iron ion
ENSG00000092531	SNAP23 PPI subnetwork
GO:0007029	endoplasmic reticulum organization
GO:0044309	neuron spine
GO:0043197	dendritic spine
GO:0006270	DNA-dependent DNA replication initiation
GO:0045104	intermediate filament cytoskeleton organization
GO:0032271	regulation of protein polymerization
GO:0071824	protein-DNA complex subunit organization
GO:0090102	cochlea development

GO:0032543	mitochondrial translation
GO:0090329	regulation of DNA-dependent DNA replication
GO:0048538	thymus development
GO:0048706	embryonic skeletal system development
ENSG00000198554	WDHD1 PPI subnetwork
GO:0010822	positive regulation of mitochondrion organization
GO:0031497	chromatin assembly
GO:0030818	negative regulation of cAMP biosynthetic process
GO:0030815	negative regulation of cAMP metabolic process
ENSG00000116957	TBCE PPI subnetwork
GO:0008045	motor axon guidance
GO:0060840	artery development
GO:0003215	cardiac right ventricle morphogenesis
GO:2000677	regulation of transcription regulatory region DNA binding
GO:0048665	neuron fate specification
GO:0001573	ganglioside metabolic process
GO:2000104	negative regulation of DNA-dependent DNA replication
ENSG00000088320	REM1 PPI subnetwork
ENSG00000136936	XPA PPI subnetwork
ENSG00000020922	MRE11A PPI subnetwork
GO:0042692	muscle cell differentiation
GO:0048839	inner ear development
GO:0051153	regulation of striated muscle cell differentiation
MP:0005431	decreased oocyte number
GO:0006691	leukotriene metabolic process
GO:0043449	cellular alkene metabolic process
GO:0031513	nonmotile primary cilium
GO:0021516	dorsal spinal cord development
GO:0051924	regulation of calcium ion transport
ENSG00000187790	FANCM PPI subnetwork
GO:0034765	regulation of ion transmembrane transport
GO:0015629	actin cytoskeleton
GO:0017156	calcium ion-dependent exocytosis
GO:0033151	V(D)J recombination
GO:0009798	axis specification
GO:0048747	muscle fiber development
ENSG00000067715	SYT1 PPI subnetwork
ENSG00000105649	RAB3A PPI subnetwork
ENSG00000136653	RASSF5 PPI subnetwork
GO:0007517	muscle organ development
MP:0001006	abnormal retinal cone cell morphology
KEGG_OLFACTORY_TRANSDUCTION	KEGG_OLFACTORY_TRANSDUCTION
MP:0004321	short sternum
GO:0045495	pole plasm
GO:0043186	P granule
GO:0060293	germ plasm
ENSG00000132872	SYT4 PPI subnetwork
GO:0003009	skeletal muscle contraction
GO:0034707	chloride channel complex
REACTOME_GABA_RECEPTOR_ACTIVATION	REACTOME_GABA_RECEPTOR_ACTIVATION

GO:0030983	mismatched DNA binding
GO:0006584	catecholamine metabolic process
GO:0034311	diol metabolic process
GO:0009712	catechol-containing compound metabolic process
GO:0061136	regulation of proteasomal protein catabolic process
ENSG00000151834	GABRA2 PPI subnetwork
ENSG00000149970	CNKSR2 PPI subnetwork
GO:0048489	synaptic vesicle transport
GO:0021895	cerebral cortex neuron differentiation
ENSG00000181072	CHRM2 PPI subnetwork
GO:0072511	divalent inorganic cation transport
GO:0006323	DNA packaging
GO:0002209	behavioral defense response
GO:0045761	regulation of adenylate cyclase activity
GO:0045132	meiotic chromosome segregation
ENSG00000079819	EPB41L2 PPI subnetwork
GO:0072332	signal transduction by p53 class mediator resulting in inductio
MP:0002916	increased synaptic depression
GO:0031281	positive regulation of cyclase activity
GO:0045762	positive regulation of adenylate cyclase activity
MP:0009747	impaired behavioral response to xenobiotic
GO:0071805	potassium ion transmembrane transport
GO:0071804	cellular potassium ion transport
GO:0000803	sex chromosome
ENSG00000096433	ITPR3 PPI subnetwork
GO:0043586	tongue development
ENSG00000006451	RALA PPI subnetwork
GO:0070838	divalent metal ion transport
MP:0002102	abnormal ear morphology
GO:0042773	ATP synthesis coupled electron transport
GO:0042775	mitochondrial ATP synthesis coupled electron transport
GO:0061061	muscle structure development
GO:0033267	axon part
GO:0072498	embryonic skeletal joint development
GO:0006937	regulation of muscle contraction
ENSG00000170734	POLH PPI subnetwork
GO:0007099	centriole replication
GO:0017022	myosin binding
GO:0007190	activation of adenylate cyclase activity
ENSG00000076554	TPD52 PPI subnetwork
GO:0031055	chromatin remodeling at centromere
ENSG00000127184	COX7C PPI subnetwork
GO:0043046	DNA methylation involved in gamete generation
GO:0006336	DNA replication-independent nucleosome assembly
GO:0034724	DNA replication-independent nucleosome organization
GO:0034080	CenH3-containing nucleosome assembly at centromere
ENSG00000171453	POLR1C PPI subnetwork
GO:0007156	homophilic cell adhesion
GO:0030574	collagen catabolic process
GO:0007158	neuron cell-cell adhesion

GO:0051932	synaptic transmission, GABAergic
GO:0043583	ear development
GO:0042166	acetylcholine binding
GO:0042165	neurotransmitter binding
ENSG00000166206	GABRB3 PPI subnetwork
GO:0032228	regulation of synaptic transmission, GABAergic
GO:0006282	regulation of DNA repair
GO:0021952	central nervous system projection neuron axonogenesis
GO:0009581	detection of external stimulus
ENSG00000184408	KCND2 PPI subnetwork
GO:0017085	response to insecticide
GO:0042596	fear response
GO:0032279	asymmetric synapse
ENSG00000145864	GABRB2 PPI subnetwork
GO:0060325	face morphogenesis
GO:0050807	regulation of synapse organization
GO:0045773	positive regulation of axon extension
GO:0042384	cilium assembly
ENSG00000002016	RAD52 PPI subnetwork
MP:0001961	abnormal reflex
GO:0080008	CUL4 RING ubiquitin ligase complex
GO:0004835	tubulin-tyrosine ligase activity
GO:0005929	cilium
GO:0060219	camera-type eye photoreceptor cell differentiation
GO:0001662	behavioral fear response
GO:0006936	muscle contraction
MP:0004792	abnormal synaptic vesicle number
GO:0050909	sensory perception of taste
ENSG00000164053	ATRIP PPI subnetwork
GO:0045061	thymic T cell selection
GO:0006626	protein targeting to mitochondrion
ENSG00000136942	RPL35 PPI subnetwork
GO:0008038	neuron recognition
GO:0009167	purine ribonucleoside monophosphate metabolic process
GO:0009126	purine nucleoside monophosphate metabolic process
ENSG00000145592	RPL37 PPI subnetwork
REACTOME_ACTIVATION_OF_KAINATE_REC	REACTOME_ACTIVATION_OF_KAINATE_RECEPTORS_UPON_G
GO:0031279	regulation of cyclase activity
GO:0043486	histone exchange
ENSG00000113327	GABRG2 PPI subnetwork
GO:0035176	social behavior
GO:0031111	negative regulation of microtubule polymerization or depolym
GO:0010927	cellular component assembly involved in morphogenesis
GO:0070585	protein localization in mitochondrion
GO:0043624	cellular protein complex disassembly
GO:0005859	muscle myosin complex
REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS	REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS
ENSG00000183023	SLC8A1 PPI subnetwork
GO:0070717	poly-purine tract binding
MP:0002804	abnormal motor learning

GO:0051349	positive regulation of lyase activity
MP:0001454	abnormal cued conditioning behavior
GO:0042391	regulation of membrane potential
GO:0010257	NADH dehydrogenase complex assembly
GO:0097031	mitochondrial respiratory chain complex I biogenesis
GO:0032981	mitochondrial respiratory chain complex I assembly
GO:0001505	regulation of neurotransmitter levels
GO:0043968	histone H2A acetylation
GO:0032461	positive regulation of protein oligomerization
GO:0006458	'de novo' protein folding
GO:0048485	sympathetic nervous system development
GO:0043195	terminal button
GO:0034704	calcium channel complex
MP:0002206	abnormal CNS synaptic transmission
GO:0051149	positive regulation of muscle cell differentiation
GO:0001963	synaptic transmission, dopaminergic
GO:0006119	oxidative phosphorylation
ENSG00000177302	TOP3A PPI subnetwork
GO:2000311	regulation of alpha-amino-3-hydroxy-5-methyl-4-isoxazole prc
GO:0016272	prefoldin complex
GO:0051147	regulation of muscle cell differentiation
GO:0008094	DNA-dependent ATPase activity
GO:0030424	axon
GO:0035115	embryonic forelimb morphogenesis
MP:0001096	abnormal glossopharyngeal ganglion morphology
GO:0044243	multicellular organismal catabolic process
GO:0060324	face development
GO:0071295	cellular response to vitamin
GO:0015672	monovalent inorganic cation transport
GO:0051339	regulation of lyase activity
GO:0055002	striated muscle cell development
GO:0018195	peptidyl-arginine modification
REACTOME_ACTIVATION_OF_NMDA_RECEI	REACTOME_ACTIVATION_OF_NMDA_RECEPTOR_UPON_GLUT
GO:0048566	embryonic digestive tract development
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
GO:0051588	regulation of neurotransmitter transport
ENSG00000133083	DCLK1 PPI subnetwork
GO:0015464	acetylcholine receptor activity
GO:0009584	detection of visible light
ENSG00000131143	COX4I1 PPI subnetwork
GO:0045843	negative regulation of striated muscle tissue development
GO:0004198	calcium-dependent cysteine-type endopeptidase activity
GO:0021527	spinal cord association neuron differentiation
GO:0065004	protein-DNA complex assembly
GO:0032201	telomere maintenance via semi-conservative replication
GO:0048736	appendage development
GO:0060173	limb development
ENSG00000181191	PJA1 PPI subnetwork
GO:0001914	regulation of T cell mediated cytotoxicity
ENSG00000147869	CER1 PPI subnetwork

GO:0007193	adenylate cyclase-inhibiting G-protein coupled receptor signal
GO:0072079	nephron tubule formation
GO:0008021	synaptic vesicle
GO:0007127	meiosis I
GO:0034705	potassium channel complex
GO:0008076	voltage-gated potassium channel complex
GO:0043954	cellular component maintenance
GO:0006334	nucleosome assembly
GO:0043679	axon terminus
GO:0035108	limb morphogenesis
GO:0035107	appendage morphogenesis
GO:0060322	head development
REACTOME_GABA_A_RECEPTOR_ACTIVATI	REACTOME_GABA_A_RECEPTOR_ACTIVATION
GO:0021510	spinal cord development
GO:0001105	RNA polymerase II transcription coactivator activity
GO:0001190	RNA polymerase II transcription factor binding transcription fa
GO:0045058	T cell selection
GO:0030010	establishment of cell polarity
GO:0060113	inner ear receptor cell differentiation
GO:0016460	myosin II complex
GO:0006814	sodium ion transport
MP:0000473	abnormal stomach glandular epithelium morphology
GO:0045216	cell-cell junction organization
GO:0051865	protein autoubiquitination
GO:0032982	myosin filament
GO:0051350	negative regulation of lyase activity
GO:0007194	negative regulation of adenylate cyclase activity
GO:0031280	negative regulation of cyclase activity
GO:0051084	'de novo' posttranslational protein folding
GO:0016226	iron-sulfur cluster assembly
GO:0031163	metallo-sulfur cluster assembly
ENSG00000165637	VDAC2 PPI subnetwork
GO:0006414	translational elongation
GO:0006298	mismatch repair
GO:0072655	establishment of protein localization in mitochondrion
GO:0030288	outer membrane-bounded periplasmic space
GO:0042597	periplasmic space
GO:0015669	gas transport
GO:0022832	voltage-gated channel activity
GO:0005244	voltage-gated ion channel activity
GO:0042476	odontogenesis
GO:0042693	muscle cell fate commitment
GO:0014073	response to tropane
GO:0042220	response to cocaine
GO:0034220	ion transmembrane transport
ENSG00000142541	RPL13A PPI subnetwork
GO:0006836	neurotransmitter transport
GO:0001913	T cell mediated cytotoxicity
REACTOME_VOLTAGE_GATED_POTASSIUM	REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNELS
GO:0000718	nucleotide-excision repair, DNA damage removal

GO:0044349	DNA excision
MP:0000430	absent maxillary shelf
ENSG00000105048	TNNT1 PPI subnetwork
GO:0005262	calcium channel activity
GO:0004970	ionotropic glutamate receptor activity
GO:0006302	double-strand break repair
GO:0007613	memory
GO:0007281	germ cell development
GO:0007140	male meiosis
GO:0048048	embryonic eye morphogenesis
GO:0007530	sex determination
GO:0045921	positive regulation of exocytosis
ENSG00000171195	MUC7 PPI subnetwork
GO:0022898	regulation of transmembrane transporter activity
GO:0044306	neuron projection terminus
GO:0007606	sensory perception of chemical stimulus
GO:0021515	cell differentiation in spinal cord
ENSG00000136149	ENSG00000136149 PPI subnetwork
GO:0008376	acetylgalactosaminyltransferase activity
GO:0008066	glutamate receptor activity
GO:0021984	adenohypophysis development
GO:0001502	cartilage condensation
GO:0015459	potassium channel regulator activity
GO:0032412	regulation of ion transmembrane transporter activity
GO:0007163	establishment or maintenance of cell polarity
GO:0007626	locomotory behavior
GO:0021517	ventral spinal cord development
GO:0030501	positive regulation of bone mineralization
GO:0008088	axon cargo transport
GO:0035136	forelimb morphogenesis
KEGG_O_GLYCAN_BIOSYNTHESIS	KEGG_O_GLYCAN_BIOSYNTHESIS
GO:0005234	extracellular-glutamate-gated ion channel activity
GO:0006120	mitochondrial electron transport, NADH to ubiquinone
GO:0042475	odontogenesis of dentin-containing tooth
GO:0001504	neurotransmitter uptake
KEGG_CARDIAC_MUSCLE_CONTRACTION	KEGG_CARDIAC_MUSCLE_CONTRACTION
MP:0004452	abnormal pterygoid process morphology
MP:0000743	muscle spasm
GO:0035137	hindlimb morphogenesis
ENSG00000126261	UBA2 PPI subnetwork
REACTOME_RAS_ACTIVATION_UOPN_CA2_	REACTOME_RAS_ACTIVATION_UOPN_CA2_INFUX_THROUGH_
ENSG00000102312	PORCN PPI subnetwork
MP:0004814	reduced linear vestibular evoked potential
GO:0035249	synaptic transmission, glutamatergic
GO:0010389	regulation of G2/M transition of mitotic cell cycle
GO:0008227	G-protein coupled amine receptor activity
GO:0031954	positive regulation of protein autophosphorylation
GO:0002088	lens development in camera-type eye
ENSG00000004700	RECQL PPI subnetwork
GO:0006004	fucose metabolic process

GO:0003407	neural retina development
GO:0008344	adult locomotory behavior
MP:0010263	total cataracts
GO:0006271	DNA strand elongation involved in DNA replication
GO:0004890	GABA-A receptor activity
GO:0070169	positive regulation of biomineral tissue development
KEGG_PHOSPHATIDYLINOSITOL_SIGNALING	KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM
GO:0060078	regulation of postsynaptic membrane potential
REACTOME_SEROTONIN_RECEPTORS	REACTOME_SEROTONIN_RECEPTORS
GO:0042490	mechanoreceptor differentiation
ENSG00000169621	APLF PPI subnetwork
GO:0030672	synaptic vesicle membrane
REACTOME_UNBLOCKING_OF_NMDA_RECI	REACTOME_UNBLOCKING_OF_NMDA_RECEPTOR_GLUTAMAT
GO:0044327	dendritic spine head
GO:0014069	postsynaptic density
GO:0006513	protein monoubiquitination
GO:0016917	GABA receptor activity
ENSG00000213023	SYT3 PPI subnetwork
GO:0044447	axoneme part
GO:0009434	microtubule-based flagellum
GO:0005891	voltage-gated calcium channel complex
GO:0007286	spermatid development
ENSG00000092470	WDR76 PPI subnetwork
GO:0060134	prepulse inhibition
GO:0006415	translational termination
MP:0000761	thin diaphragm muscle
GO:0006301	postreplication repair
GO:0031076	embryonic camera-type eye development
ENSG00000130956	HABP4 PPI subnetwork
GO:0046415	urate metabolic process
REACTOME_ACTIVATION_OF_CA:PERMEAB	REACTOME_ACTIVATION_OF_CA:PERMEABLE_KAINATE_RECE
REACTOME_IONOTROPIC_ACTIVITY_OF_KA	REACTOME_IONOTROPIC_ACTIVITY_OF_KAINATE_RECEPTORS
GO:0046530	photoreceptor cell differentiation
ENSG00000156076	WIF1 PPI subnetwork
GO:0001754	eye photoreceptor cell differentiation
GO:0035254	glutamate receptor binding
ENSG00000070950	RAD18 PPI subnetwork
GO:0001539	ciliary or flagellar motility
GO:0008277	regulation of G-protein coupled receptor protein signaling pat
GO:0060572	morphogenesis of an epithelial bud
GO:0009954	proximal/distal pattern formation
ENSG00000179915	NRXN1 PPI subnetwork
GO:0045494	photoreceptor cell maintenance
MP:0002920	decreased paired-pulse facilitation
GO:0017137	Rab GTPase binding
ENSG00000073050	XRCC1 PPI subnetwork
GO:0048168	regulation of neuronal synaptic plasticity
GO:0048593	camera-type eye morphogenesis
GO:0042354	L-fucose metabolic process
GO:0007612	learning

GO:0022616	DNA strand elongation
GO:0033108	mitochondrial respiratory chain complex assembly
GO:0060571	morphogenesis of an epithelial fold
GO:0048610	cellular process involved in reproduction
GO:0048515	spermatid differentiation
GO:0044319	wound healing, spreading of cells
ENSG00000158022	TRIM63 PPI subnetwork
GO:0007416	synapse assembly
GO:0007616	long-term memory
GO:0060174	limb bud formation
GO:0007131	reciprocal meiotic recombination
GO:0035825	reciprocal DNA recombination
GO:0034703	cation channel complex
GO:0001840	neural plate development
REACTOME_TRANSMISSION_ACROSS_CHEM	REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES
MP:0001053	abnormal neuromuscular synapse morphology
REACTOME_NEURONAL_SYSTEM	REACTOME_NEURONAL_SYSTEM
GO:0007608	sensory perception of smell
GO:0006941	striated muscle contraction
GO:0006813	potassium ion transport
GO:0009416	response to light stimulus
REACTOME_AMINE_LIGAND:BINDING_RECI	REACTOME_AMINE_LIGAND:BINDING_RECEPTORS
GO:0034332	adherens junction organization
GO:0004993	serotonin receptor activity
GO:0051321	meiotic cell cycle
MP:0004008	abnormal GABA-mediated receptor currents
GO:0007276	gamete generation
GO:0043010	camera-type eye development
GO:0004385	guanylate kinase activity
GO:0010165	response to X-ray
ENSG00000167461	RAB8A PPI subnetwork
GO:0042417	dopamine metabolic process
GO:0009583	detection of light stimulus
GO:0009713	catechol-containing compound biosynthetic process
GO:0042423	catecholamine biosynthetic process
GO:0034312	diol biosynthetic process
GO:0001654	eye development
GO:0051899	membrane depolarization
GO:0016776	phosphotransferase activity, phosphate group as acceptor
GO:0022843	voltage-gated cation channel activity
ENSG00000135624	CCT7 PPI subnetwork
GO:0006942	regulation of striated muscle contraction
GO:0042734	presynaptic membrane
GO:0007423	sensory organ development
GO:0051327	M phase of meiotic cell cycle
GO:0007126	meiosis
GO:0019953	sexual reproduction
GO:0030048	actin filament-based movement
GO:0015812	gamma-aminobutyric acid transport
GO:0016574	histone ubiquitination

MP:0001093	small trigeminal ganglion
GO:0045778	positive regulation of ossification
GO:0050953	sensory perception of light stimulus
MP:0004835	abnormal miniature endplate potential
GO:0007601	visual perception
GO:0005231	excitatory extracellular ligand-gated ion channel activity
GO:0033522	histone H2A ubiquitination
GO:0022838	substrate-specific channel activity
GO:0005261	cation channel activity
MP:0002914	abnormal endplate potential
GO:0021983	pituitary gland development
GO:0022803	passive transmembrane transporter activity
GO:0015267	channel activity
GO:0048592	eye morphogenesis
GO:0005245	voltage-gated calcium channel activity
GO:0005523	tropomyosin binding
GO:0007212	dopamine receptor signaling pathway
GO:0035313	wound healing, spreading of epidermal cells
GO:0007214	gamma-aminobutyric acid signaling pathway
GO:0005216	ion channel activity
GO:0060079	regulation of excitatory postsynaptic membrane potential
GO:0001975	response to amphetamine
GO:0048935	peripheral nervous system neuron development
GO:0048934	peripheral nervous system neuron differentiation
GO:0021536	diencephalon development
GO:0060601	lateral sprouting from an epithelium
GO:0007270	neuron-neuron synaptic transmission
ENSG00000169189	NSMCE1 PPI subnetwork
GO:0009566	fertilization
GO:0007215	glutamate receptor signaling pathway
GO:0009582	detection of abiotic stimulus
GO:0007632	visual behavior
GO:0007600	sensory perception
GO:0035088	establishment or maintenance of apical/basal cell polarity
GO:0061245	establishment or maintenance of bipolar cell polarity
GO:0070252	actin-mediated cell contraction
GO:0034702	ion channel complex
GO:0007602	phototransduction
GO:0042462	eye photoreceptor cell development
GO:0022836	gated channel activity
GO:0042461	photoreceptor cell development
GO:0007338	single fertilization
GO:0004653	polypeptide N-acetylgalactosaminyltransferase activity
REACTOME_DEPOLARIZATION_OF_THE_PR	REACTOME_DEPOLARIZATION_OF_THE_PRESYNAPTIC_TERMI
REACTOME_NEUROTRANSMITTER_RECEPT(	REACTOME_NEUROTRANSMITTER_RECEPTOR_BINDING_AND_
GO:0008340	determination of adult lifespan
REACTOME_ION_CHANNEL_TRANSPORT	REACTOME_ION_CHANNEL_TRANSPORT
GO:0030259	lipid glycosylation
GO:0048169	regulation of long-term neuronal synaptic plasticity
GO:0008306	associative learning

GO:0050905	neuromuscular process
GO:0019861	flagellum
GO:0051925	regulation of calcium ion transport via voltage-gated calcium c
GO:0045744	negative regulation of G-protein coupled receptor protein sign
GO:0045202	synapse
GO:0008542	visual learning
GO:0033275	actin-myosin filament sliding
GO:0030049	muscle filament sliding
GO:0044456	synapse part
GO:0015276	ligand-gated ion channel activity
GO:0022834	ligand-gated channel activity
GO:0007603	phototransduction, visible light
GO:0042481	regulation of odontogenesis
GO:0023021	termination of signal transduction
GO:0038032	termination of G-protein coupled receptor signaling pathway
REACTOME_LIGAND:GATED_ION_CHANNEL	REACTOME_LIGAND:GATED_ION_CHANNEL_TRANSPORT
GO:0005230	extracellular ligand-gated ion channel activity
GO:0001964	startle response
GO:0097060	synaptic membrane
GO:0045211	postsynaptic membrane
GO:0007283	spermatogenesis
GO:0048232	male gamete generation
GO:0007210	serotonin receptor signaling pathway
GO:0031290	retinal ganglion cell axon guidance
GO:0007628	adult walking behavior

ıificant (P2df < 5×10-8) HDL-cholesterol loci

ːcores across identified loci using mean and standard deviation for the sum of z scores d
ɛscribed in detail in Pers et al. NatComm 2015.

Nominal P value	False discovery rate	Reconstituted gene set Z score gene 1	Reconstituted gene set Z score gene 2	Reconstituted gene set Z score gene 3
3.14E-08	**<0.01**	EPB42 (10.5)	RANBP10 (5.7)	GPR146 (4.0)
4.02E-08	**<0.01**	MLXIPL (4.0)	GPAM (3.8)	DGAT2 (3.7)
7.09E-08	**<0.01**	CTRL (4.4)	HCAR1 (4.4)	MLXIPL (3.7)
9.07E-08	**<0.01**	VEGFA (4.7)	ABCA1 (3.8)	MTMR3 (3.6)
1.30E-07	**<0.01**	APOB (4.8)	APOA4 (4.8)	APOC3 (4.4)
1.42E-07	**<0.01**	MLXIPL (4.6)	HCAR1 (4.6)	PPY (4.4)
1.51E-07	**<0.01**	CTRL (9.8)	PPY (4.0)	DGAT2 (3.8)
1.93E-07	**<0.01**	LPL (4.1)	CD36 (3.8)	ABCA1 (3.6)
2.25E-07	**<0.01**	EPB42 (4.3)	MLXIPL (3.2)	FHOD1 (3.2)
2.27E-07	**<0.01**	CELF1 (3.2)	TRIB1 (2.7)	PGS1 (2.6)
2.45E-07	**<0.01**	KANK2 (3.4)	APOA1 (3.2)	DOCK6 (3.2)
2.65E-07	**<0.01**	SLC22A1 (4.0)	LPA (3.4)	YDJC (3.3)
2.81E-07	**<0.01**	APOC3 (8.0)	APOA4 (7.8)	APOB (7.3)
3.20E-07	**<0.01**	LPL (4.3)	ANGPTL4 (4.2)	MLXIPL (4.1)
4.26E-07	**<0.01**	DOCK6 (3.3)	LCAT (2.8)	AFF1 (2.6)
4.80E-07	**<0.01**	C17orf105 (3.5)	VEGFA (3.3)	C19orf80 (3.2)
5.87E-07	**<0.01**	GRB7 (4.1)	VEGFA (3.5)	ESRP2 (3.3)
6.24E-07	**<0.01**	MAFF (3.8)	PCIF1 (3.8)	ARID1A (3.4)
6.59E-07	**<0.01**	VEGFA (5.4)	COQ9 (4.0)	NOL3 (3.7)
7.52E-07	**<0.01**	APOC3 (6.4)	APOA4 (6.4)	APOA1 (5.9)
8.10E-07	**<0.01**	OASL (5.0)	TRIB1 (4.1)	LILRA3 (3.8)
8.80E-07	**<0.01**	APOC4 (4.7)	APOA5 (4.6)	CPS1 (4.1)
9.13E-07	**<0.01**	CTRL (4.4)	APOA4 (3.9)	NR0B2 (3.4)
9.29E-07	**<0.01**	GPR146 (3.0)	PSKH1 (2.8)	DYM (2.6)
1.03E-06	**<0.01**	DGAT2 (6.3)	LPL (5.7)	APOA4 (5.6)
1.26E-06	**<0.01**	DGAT2 (6.1)	C19orf80 (5.6)	MLXIPL (5.4)
1.40E-06	**<0.01**	ACAA2 (2.8)	PPY (2.7)	CPS1 (2.7)
1.53E-06	**<0.01**	EPB42 (3.9)	ARID1A (3.7)	RSPRY1 (3.4)
1.61E-06	**<0.01**	LPL (7.5)	CD36 (6.6)	GPAM (5.8)
1.72E-06	**<0.01**	PPY (9.0)	CTRL (6.1)	MLXIPL (4.9)
1.84E-06	**<0.01**	MLXIPL (4.1)	GPAM (4.0)	C19orf80 (3.9)
1.93E-06	**<0.01**	LPA (5.5)	SLC22A1 (4.5)	APOE (4.5)
1.95E-06	**<0.01**	EPB42 (9.1)	RANBP10 (5.3)	CETP (3.5)
1.99E-06	**<0.01**	PPY (9.0)	MLXIPL (4.7)	CTRL (3.6)
2.56E-06	**<0.01**	VEGFA (2.9)	C17orf105 (2.9)	KCTD19 (2.9)
2.72E-06	**<0.01**	DYM (3.5)	LPA (3.1)	C19orf80 (2.9)
2.86E-06	**<0.01**	DGAT2 (3.7)	MLXIPL (3.7)	GPAM (3.5)
2.92E-06	**<0.01**	APOC1 (5.5)	APOA4 (5.3)	ACP2 (4.7)
2.95E-06	**<0.01**	DGAT2 (7.0)	CD36 (5.8)	MLXIPL (5.8)
3.17E-06	**<0.01**	FADS2 (7.7)	FADS1 (7.6)	MMAB (7.0)
3.30E-06	**<0.01**	CTRL (10.5)	APOA4 (8.1)	APOA1 (7.7)
3.34E-06	**<0.01**	ARID1A (3.9)	DOCK6 (3.5)	MYBPC3 (3.4)
3.59E-06	**<0.01**	PDIA3 (3.6)	CASC4 (2.8)	SCARB1 (2.8)

4.63E-06	**<0.01**	PLEKHG4 (2.9)	LIPC (2.6)	ENSG00000236267 (2
4.71E-06	**<0.01**	APOA5 (6.3)	APOC4 (6.0)	C19orf80 (5.6)
4.73E-06	**<0.01**	HNF4A (3.2)	TMEM101 (3.1)	HNF1A (2.8)
4.79E-06	**<0.01**	MLXIPL (5.7)	DGAT2 (5.6)	GPAM (4.2)
4.97E-06	**<0.01**	DGAT2 (4.9)	LPL (4.6)	HCAR1 (4.4)
5.42E-06	**<0.01**	DOCK6 (5.3)	VEGFA (4.7)	EXOC3L1 (2.9)
5.58E-06	**<0.01**	NR1H3 (3.0)	ABCA1 (2.9)	DGAT2 (2.9)
5.63E-06	**<0.01**	APOC1 (5.6)	CD300LG (5.5)	SCARB1 (3.9)
5.84E-06	**<0.01**	MLXIPL (3.1)	MTCH2 (3.0)	ENSG00000236267 (3
6.20E-06	**<0.01**	CTRL (4.9)	APOA4 (4.2)	NR0B2 (3.9)
6.36E-06	**<0.01**	DGAT2 (6.9)	MLXIPL (6.3)	C19orf80 (4.9)
6.66E-06	**<0.01**	VEGFA (3.9)	ARID1A (3.3)	MACF1 (2.5)
6.74E-06	**<0.01**	KCTD19 (2.6)	C19orf80 (2.6)	VEGFA (2.6)
6.86E-06	**<0.01**	SDF2L1 (8.6)	HERPUD1 (6.7)	PDIA3 (5.9)
6.92E-06	**<0.01**	FADS2 (6.5)	GPAM (6.0)	DGAT2 (5.8)
6.96E-06	**<0.01**	MLXIPL (3.4)	C17orf105 (3.3)	COQ9 (2.5)
7.15E-06	**<0.01**	DGAT2 (5.6)	GPAM (5.2)	CD36 (4.9)
7.27E-06	**<0.01**	BCL3 (3.5)	SPI1 (3.4)	CD300LG (3.1)
8.18E-06	**<0.01**	CTRL (9.7)	PPY (4.8)	DGAT2 (4.4)
8.18E-06	**<0.01**	ARID1A (4.1)	VEGFA (3.3)	MACF1 (3.2)
8.61E-06	**<0.01**	C19orf80 (3.3)	HSF4 (3.0)	APOC1 (2.8)
8.86E-06	**<0.01**	MLXIPL (5.2)	APOA5 (5.1)	APOC4 (4.6)
8.98E-06	**<0.01**	LSM12 (4.0)	UBE3B (3.9)	NAGS (3.5)
1.00E-05	**<0.01**	FADS2 (5.2)	GPAM (3.8)	SCARB1 (3.7)
1.00E-05	**<0.01**	APOC3 (8.4)	MMAB (7.6)	FADS1 (7.5)
1.01E-05	**<0.01**	APOA5 (5.0)	APOC4 (5.0)	SLC22A1 (4.6)
1.02E-05	**<0.01**	DGAT2 (6.1)	LPL (6.0)	GPAM (4.6)
1.02E-05	**<0.01**	GALNT2 (3.9)	MLXIPL (3.9)	SCARB1 (3.9)
1.03E-05	**<0.01**	LPA (5.4)	SLC22A1 (4.9)	APOA5 (4.1)
1.04E-05	**<0.01**	C17orf105 (3.2)	MLXIPL (3.0)	COQ9 (2.5)
1.11E-05	**<0.01**	EPB42 (7.5)	KANK2 (3.7)	MTMR3 (3.4)
1.17E-05	**<0.01**	DGAT2 (5.9)	LPL (5.7)	FADS1 (5.5)
1.18E-05	**<0.01**	GRB7 (4.6)	ERBB2 (4.1)	C1orf172 (3.8)
1.19E-05	**<0.01**	FADS2 (5.3)	APOB (4.0)	GPAM (4.0)
1.41E-05	**<0.01**	SPI1 (3.9)	PDE3A (3.2)	LIPC (3.1)
1.50E-05	**<0.01**	F2 (9.5)	APOC1 (9.0)	APOA1 (8.5)
1.50E-05	**<0.01**	F2 (9.5)	APOC1 (9.0)	APOA1 (8.5)
1.50E-05	**<0.01**	HCAR1 (4.6)	MLXIPL (3.3)	CD300LG (3.2)
1.50E-05	**<0.01**	APOA4 (10.6)	APOC3 (8.7)	APOA1 (8.5)
1.59E-05	**<0.01**	SPI1 (4.4)	OASL (4.0)	TRIB1 (2.9)
1.67E-05	**<0.01**	SCARB1 (5.3)	APOC1 (5.0)	FADS2 (4.7)
1.84E-05	**<0.01**	PLG (4.3)	APOA5 (4.3)	HNF4A (4.1)
1.84E-05	**<0.01**	APOE (4.0)	LPL (3.4)	CX3CL1 (3.3)
2.00E-05	**<0.01**	NAGS (4.1)	SEC14L4 (3.0)	NR0B2 (2.6)
2.00E-05	**<0.01**	VEGFA (4.6)	MTCH2 (3.5)	NPEPPS (3.4)
2.10E-05	**<0.01**	ANGPTL4 (5.2)	MLXIPL (4.9)	LPL (4.8)
2.13E-05	**<0.01**	APOA5 (4.4)	ABCA1 (4.2)	APOC4 (3.6)
2.19E-05	**<0.01**	APOA4 (9.7)	APOC3 (8.2)	APOA1 (7.8)
2.20E-05	**<0.01**	DGAT2 (6.1)	MLXIPL (4.9)	LPL (4.4)
2.33E-05	**<0.01**	NR1H3 (5.7)	CTRL (5.0)	CETP (3.8)

2.36E-05	**<0.01**	LPL (6.5)	DGAT2 (6.0)	HCAR1 (3.3)
2.38E-05	**<0.01**	BCL3 (4.0)	LILRB2 (3.8)	RELB (3.7)
2.44E-05	**<0.01**	MLXIPL (5.1)	DGAT2 (5.0)	GPAM (4.9)
2.48E-05	**<0.01**	LPL (7.0)	DGAT2 (6.5)	CD36 (5.8)
2.58E-05	**<0.01**	GPAM (6.2)	MLXIPL (5.7)	CD36 (5.5)
2.60E-05	**<0.01**	MLXIPL (2.9)	C17orf105 (2.7)	C19orf80 (2.5)
2.61E-05	**<0.01**	EPB42 (8.3)	RANBP10 (4.8)	CETP (3.7)
2.67E-05	**<0.01**	DGAT2 (4.7)	CTRL (4.5)	MLXIPL (3.9)
2.73E-05	**<0.01**	HCAR1 (3.5)	CD300LG (2.7)	MLXIPL (2.6)
2.81E-05	**<0.01**	DGAT2 (5.1)	MLXIPL (5.0)	GPAM (4.7)
2.84E-05	**<0.01**	LILRB2 (6.2)	LILRA3 (5.3)	TRIB1 (5.3)
3.09E-05	**<0.01**	SLC12A3 (3.3)	UBE3B (3.2)	MLXIPL (3.2)
3.38E-05	**<0.01**	RAB11B (4.2)	CLPTM1 (3.1)	TCAP (2.9)
3.49E-05	**<0.01**	DGAT2 (3.8)	GPAM (3.7)	MLXIPL (3.5)
3.51E-05	**<0.01**	NR0B2 (3.8)	GLUL (3.4)	ACP2 (3.1)
3.52E-05	**<0.01**	APOC1 (4.4)	PLG (4.3)	APOA5 (4.1)
3.56E-05	**<0.01**	LRP4 (2.7)	MACF1 (2.6)	IGF2R (2.5)
3.64E-05	**<0.01**	PLTP (4.9)	PVRL2 (4.3)	BCAM (4.0)
3.77E-05	**<0.01**	PGAP3 (3.5)	GRB7 (3.5)	ERBB2 (3.3)
3.87E-05	**<0.01**	DGAT2 (5.1)	MLXIPL (4.9)	GPAM (4.7)
4.04E-05	**<0.01**	DGAT2 (4.8)	GPAM (4.5)	MLXIPL (4.3)
4.06E-05	**<0.01**	VEGFA (4.1)	B3GNT9 (3.5)	GPIHBP1 (3.3)
4.08E-05	**<0.01**	PDIA3 (5.1)	SDF2L1 (4.5)	LIPG (3.8)
4.08E-05	**<0.01**	TAGLN (4.2)	ABCA1 (3.3)	APOE (3.1)
4.08E-05	**<0.01**	NAGS (4.1)	SEC14L4 (3.2)	PYY (2.7)
4.09E-05	**<0.01**	APOC1 (9.0)	APOA1 (6.2)	FPR3 (5.9)
4.36E-05	**<0.01**	RELB (4.8)	BCL3 (4.8)	MAFF (4.1)
4.68E-05	**<0.01**	TECTB (2.8)	OASL (2.6)	ENSG00000181123 (2
5.02E-05	**<0.01**	CETP (4.5)	EPB42 (3.8)	SPI1 (3.6)
5.10E-05	**<0.01**	MT1H (3.3)	MT1M (2.9)	MAFF (2.9)
5.15E-05	**<0.01**	PLG (5.3)	APOA5 (5.2)	APOC4 (4.4)
5.16E-05	**<0.01**	DOCK6 (3.9)	EXOC3L1 (3.6)	AFF1 (3.5)
5.49E-05	**<0.01**	APOA1 (9.3)	APOB (9.0)	APOC3 (8.8)
5.63E-05	**<0.01**	LPL (5.7)	DGAT2 (5.6)	ANGPTL4 (5.1)
5.71E-05	**<0.01**	PPY (6.6)	MLXIPL (6.3)	GPAM (4.9)
5.79E-05	**<0.01**	EPB42 (9.1)	RANBP10 (4.1)	GPR146 (2.9)
5.81E-05	**<0.01**	SCARB1 (4.2)	MLXIPL (3.7)	ST3GAL4 (3.6)
5.87E-05	**<0.01**	MLXIPL (5.9)	GPAM (5.7)	ANGPTL4 (4.6)
5.90E-05	**<0.01**	MAFF (3.9)	APOC1 (3.4)	CD36 (3.1)
5.95E-05	**<0.01**	APOC3 (8.5)	APOA4 (8.4)	APOB (8.0)
6.26E-05	**<0.01**	LPA (4.7)	DGAT2 (3.1)	FPR3 (3.1)
6.36E-05	**<0.01**	SLC12A3 (5.5)	PLG (4.4)	HNF4A (3.1)
6.48E-05	**<0.01**	F2 (6.2)	PLG (5.4)	LIPC (4.8)
6.67E-05	**<0.01**	DGAT2 (4.8)	MLXIPL (4.5)	GPAM (4.4)
6.68E-05	**<0.01**	PITPNM2 (3.8)	CCDC92 (3.0)	PDE3A (2.9)
6.68E-05	**<0.01**	ENSG00000254235 (4	C17orf105 (3.8)	CSGALNACT1 (3.2)
6.72E-05	**<0.01**	F2 (5.3)	LIPC (4.5)	PLG (4.4)
6.88E-05	**<0.01**	F2 (6.1)	PLG (5.3)	LIPC (4.8)
6.91E-05	**<0.01**	TRIB1 (4.0)	APOC1 (3.3)	MAFF (3.1)
6.91E-05	**<0.01**	APOC1 (3.8)	APOA4 (3.8)	PLA2G15 (3.8)

6.95E-05	**<0.01**	F2 (6.1)	PLG (5.4)	LIPC (4.8)
7.17E-05	**<0.01**	EPB42 (8.1)	ENSG00000226334 (3	FADS2 (3.7)
7.28E-05	**<0.01**	ENSG00000236267 (3	MLXIPL (3.3)	NR0B2 (2.8)
7.30E-05	**<0.01**	SLC12A3 (5.8)	APOA4 (5.3)	APOC3 (5.2)
7.43E-05	**<0.01**	DOCK6 (4.4)	EXOC3L1 (3.4)	GPIHBP1 (3.3)
7.59E-05	**<0.01**	SOST (2.9)	NAGS (2.6)	DCPS (2.5)
7.61E-05	**<0.01**	CD300LG (3.7)	ENSG00000181123 (3	GPAM (2.8)
7.88E-05	**<0.01**	ANGPTL4 (3.1)	MT1H (2.9)	CPS1 (2.8)
7.91E-05	**<0.01**	APOA4 (5.1)	NAGS (5.1)	CPS1 (3.7)
8.00E-05	**<0.01**	PPY (2.9)	SLC12A3 (2.8)	TBL2 (2.7)
8.00E-05	**<0.01**	PPY (2.9)	SLC12A3 (2.8)	TBL2 (2.7)
8.22E-05	**<0.01**	SLC12A4 (3.8)	PLTP (3.2)	BCAM (3.1)
8.35E-05	**<0.01**	PLG (3.9)	F2 (3.9)	LIPC (3.6)
8.59E-05	**<0.01**	PITPNM2 (3.8)	CCDC92 (3.0)	PDE3A (2.9)
9.00E-05	**<0.01**	F2 (3.6)	HNF1A (3.3)	MAFF (3.2)
9.03E-05	**<0.01**	LIPC (4.8)	F2 (4.6)	APOC4 (4.5)
9.18E-05	**<0.01**	F2 (6.7)	APOA1 (5.7)	PLG (5.3)
1.02E-04	**<0.01**	F2 (3.3)	C1orf172 (3.3)	GRB7 (3.2)
1.03E-04	**<0.01**	PSMB10 (4.8)	BCL3 (4.2)	NLRC5 (4.1)
1.04E-04	**<0.01**	DGAT2 (4.1)	APOA4 (4.1)	CD36 (4.1)
1.04E-04	**<0.01**	DGAT2 (4.1)	APOA4 (4.1)	CD36 (4.1)
1.04E-04	**<0.01**	DGAT2 (4.1)	APOA4 (4.1)	CD36 (4.1)
1.07E-04	**<0.01**	MLXIPL (5.5)	RELB (4.6)	GPAM (4.3)
1.08E-04	**<0.01**	F2 (3.9)	PLG (3.3)	APOB (3.3)
1.08E-04	**<0.01**	PPY (4.9)	ANGPTL4 (3.8)	CD36 (3.7)
1.10E-04	**<0.01**	MAFF (5.7)	TRIB1 (4.3)	C19orf80 (3.5)
1.10E-04	**<0.01**	ARID1A (3.4)	CYP26A1 (3.0)	PVRL2 (2.9)
1.14E-04	**<0.01**	DOCK6 (4.1)	MYBPC3 (3.7)	CYP26A1 (3.0)
1.15E-04	**<0.01**	CD300LG (3.3)	SPI1 (2.9)	CETP (2.5)
1.22E-04	**<0.01**	APOC1 (5.5)	SCARB1 (5.0)	DGAT2 (4.9)
1.24E-04	**<0.01**	EXOC3L1 (2.9)	JMJD1C (2.9)	DOCK6 (2.9)
1.24E-04	**<0.01**	F2 (5.2)	PLG (4.3)	LIPC (4.3)
1.24E-04	**<0.01**	TAGLN (4.4)	ANGPTL4 (3.5)	C19orf80 (3.4)
1.26E-04	**<0.01**	APOC1 (6.7)	APOB (6.2)	F2 (5.9)
1.26E-04	**<0.01**	APOC1 (6.7)	APOB (6.2)	F2 (5.9)
1.26E-04	**<0.01**	PITPNM2 (3.7)	CCDC92 (3.2)	PDE3A (2.9)
1.31E-04	**<0.01**	CDK12 (3.6)	GRB7 (3.6)	FBXL20 (3.4)
1.34E-04	**<0.01**	DGAT2 (4.2)	APOA4 (3.8)	CD36 (3.8)
1.34E-04	**<0.01**	HERPUD1 (5.8)	MAFF (5.7)	TRIB1 (5.4)
1.35E-04	**<0.01**	F2 (5.3)	PLG (4.7)	LIPC (4.6)
1.35E-04	**<0.01**	APOA4 (7.9)	APOB (7.7)	APOC3 (7.4)
1.37E-04	**<0.01**	ENSG00000181123 (4	PYY (4.3)	PPY (4.1)
1.43E-04	**<0.01**	ANGPTL4 (5.9)	LPL (4.8)	CD36 (4.4)
1.44E-04	**<0.01**	C17orf105 (3.9)	ENSG00000254235 (3	CD300LG (2.8)
1.45E-04	**<0.01**	BCL3 (2.5)	CCL22 (2.5)	AFF1 (2.5)
1.54E-04	**<0.01**	SLC22A1 (5.5)	LPA (4.7)	EPB42 (4.6)
1.56E-04	**<0.01**	SOST (4.5)	LPL (3.8)	SLC39A13 (2.8)
1.56E-04	**<0.01**	ACAA2 (5.7)	LPL (5.2)	DGAT2 (4.8)
1.59E-04	**<0.01**	CMIP (3.3)	ENSG00000181123 (3	MT1H (3.0)
1.62E-04	**<0.01**	APOC1 (8.8)	APOB (6.9)	APOE (6.6)

1.65E-04	**<0.01**	ENSG00000181123 (4	PYY (4.3)	PPY (3.7)
1.65E-04	**<0.01**	DGAT2 (6.1)	LPL (6.1)	MLXIPL (5.6)
1.68E-04	**<0.01**	F2 (7.9)	PLG (7.4)	LIPC (7.3)
1.68E-04	**<0.01**	TAGLN (4.0)	FHOD1 (3.9)	APOE (3.4)
1.71E-04	**<0.01**	LILRB2 (4.2)	SPI1 (4.0)	SNX10 (3.2)
1.71E-04	**<0.01**	ENSG00000254235 (4	C17orf105 (4.0)	CD300LG (2.9)
1.79E-04	**<0.01**	SDF2L1 (5.8)	PDIA3 (5.6)	APOA4 (3.9)
1.80E-04	**<0.01**	F2 (10.1)	APOA5 (8.8)	APOA1 (8.3)
1.82E-04	**<0.01**	APOC1 (4.3)	GLUL (3.7)	APOE (3.3)
1.83E-04	**<0.01**	CD300LG (3.8)	CX3CL1 (3.8)	FHOD1 (2.6)
1.93E-04	**<0.01**	PPY (3.9)	APOE (3.5)	NR1H3 (3.5)
1.94E-04	**<0.01**	VEGFA (4.8)	COQ9 (4.5)	MTCH2 (3.6)
1.95E-04	**<0.01**	FPR3 (4.4)	LILRB2 (3.7)	CCL17 (3.0)
1.97E-04	**<0.01**	TRIB1 (3.6)	C11orf9 (3.1)	HNF4A (3.1)
1.98E-04	**<0.01**	ACAA2 (5.9)	ABHD6 (3.9)	DGAT2 (3.6)
2.02E-04	**<0.01**	CD36 (6.2)	LPL (5.1)	DGAT2 (4.5)
2.03E-04	**<0.01**	DGAT2 (4.7)	ACAA2 (4.7)	LPL (4.6)
2.07E-04	**<0.01**	C19orf80 (4.2)	APOB (3.8)	NR0B2 (3.7)
2.09E-04	**<0.01**	ACAA2 (3.1)	PLG (3.1)	SEC14L4 (2.8)
2.10E-04	**<0.01**	PGAP3 (4.5)	PCIF1 (4.3)	CDK12 (3.9)
2.12E-04	**<0.01**	NUDT21 (3.5)	ZNF335 (3.3)	SKA1 (3.1)
2.14E-04	**<0.01**	APOA4 (3.6)	NR1H3 (3.2)	ENSG00000236267 (3
2.16E-04	**<0.01**	PDIA3 (4.0)	PLG (3.8)	PSMC3 (3.2)
2.17E-04	**<0.01**	PGS1 (5.3)	BCL3 (5.2)	CCL17 (3.0)
2.21E-04	**<0.01**	VEGFA (5.0)	TBL2 (4.7)	APOA5 (3.4)
2.22E-04	**<0.01**	ESRP2 (2.8)	SFN (2.5)	VEGFA (2.4)
2.22E-04	**<0.01**	LIPC (4.8)	APOC4 (4.3)	SLC22A1 (4.2)
2.23E-04	**<0.01**	CD36 (4.6)	DGAT2 (4.1)	GPAM (4.0)
2.34E-04	**<0.01**	DGAT2 (6.5)	ABHD6 (4.9)	APOA4 (4.0)
2.38E-04	**<0.01**	TRIB1 (3.8)	MAFF (3.5)	SPI1 (3.4)
2.39E-04	**<0.01**	CPNE2 (3.1)	GPIHBP1 (3.0)	CSGALNACT1 (2.9)
2.42E-04	**<0.01**	SCARB1 (2.8)	MLXIPL (2.7)	HCAR1 (2.6)
2.46E-04	**<0.01**	LIPC (4.1)	APOA5 (4.0)	NR0B2 (4.0)
2.54E-04	**<0.01**	EPB42 (4.2)	SEC14L4 (2.8)	NR0B2 (2.8)
2.58E-04	**<0.01**	LPA (3.9)	APOA5 (3.8)	SLC22A1 (3.6)
2.59E-04	**<0.01**	BCL3 (4.0)	SPI1 (3.8)	RELB (3.4)
2.60E-04	**<0.01**	ERBB2 (3.1)	FHOD1 (2.6)	CDK12 (2.5)
2.62E-04	**<0.01**	PLEKHG4 (3.6)	LPL (3.3)	BACE1 (3.1)
2.64E-04	**<0.01**	LIPG (3.5)	FPR3 (3.5)	ANGPTL4 (2.7)
2.66E-04	**<0.01**	MED1 (2.8)	PTPRJ (2.7)	MTMR3 (2.6)
2.69E-04	**<0.01**	APOE (7.6)	F2 (6.3)	APOB (6.1)
2.71E-04	**<0.01**	SLC12A3 (4.9)	HNF4A (4.2)	PDE3A (3.6)
2.73E-04	**<0.01**	TAGLN (4.4)	CD300LG (3.4)	BCAM (3.3)
2.76E-04	**<0.01**	VEGFA (5.2)	TBL2 (4.6)	APOA5 (3.2)
2.77E-04	**<0.01**	PLG (4.4)	SPRYD5 (3.5)	SLC12A3 (3.3)
2.83E-04	**<0.01**	F2 (6.6)	APOB (5.4)	APOA1 (5.4)
2.84E-04	**<0.01**	LPA (3.8)	RSPO3 (3.7)	APOE (3.2)
2.86E-04	**<0.01**	F2 (6.2)	APOB (5.1)	APOA1 (5.0)
2.88E-04	**<0.01**	APOA4 (6.1)	APOC3 (5.6)	APOA1 (5.5)
2.90E-04	**<0.01**	MMAB (6.6)	FADS2 (6.4)	FADS1 (6.0)

2.91E-04	**<0.01**	APOE (4.5)	APOC1 (3.9)	PLTP (3.8)
3.01E-04	**<0.01**	SEC14L4 (3.6)	MLXIPL (3.6)	FADS2 (3.3)
3.04E-04	**<0.01**	CCDC92 (3.7)	LIPC (3.6)	CETP (3.5)
3.10E-04	**<0.01**	ENSG00000181123 (4	PYY (4.2)	PPY (3.6)
3.12E-04	**<0.01**	LPA (5.5)	APOC4 (5.3)	PLG (4.4)
3.13E-04	**<0.01**	CD300LG (2.5)	SIK3 (2.5)	RBPJ (2.2)
3.23E-04	**<0.01**	VEGFA (5.1)	TBL2 (4.5)	APOA5 (3.3)
3.29E-04	**<0.01**	APOA1 (5.2)	APOC3 (4.3)	CYP26A1 (4.2)
3.31E-04	**<0.01**	APOC4 (7.8)	LPA (7.7)	PLG (7.7)
3.47E-04	**<0.01**	MTMR3 (3.6)	AFF1 (3.2)	BCL3 (3.0)
3.50E-04	**<0.01**	ACAA2 (4.8)	CTRL (4.4)	CES4A (4.0)
3.51E-04	**<0.01**	F2 (6.5)	APOB (5.5)	APOA1 (5.4)
3.55E-04	**<0.01**	APOE (7.8)	F2 (6.3)	APOB (6.2)
3.58E-04	**<0.01**	F2 (6.6)	APOA1 (5.4)	APOB (5.4)
3.62E-04	**<0.01**	COQ9 (5.3)	CIAPIN1 (4.4)	PDHB (3.5)
3.69E-04	**<0.01**	PLG (5.4)	SLC22A1 (5.0)	APOA5 (4.9)
3.73E-04	**<0.01**	HCAR1 (3.4)	LPL (3.4)	DGAT2 (3.3)
3.74E-04	**<0.05**	ZFAND2A (3.4)	UBE2L3 (2.6)	ENSG00000181123 (2
3.74E-04	**<0.05**	NR0B2 (3.4)	CTRL (3.4)	ENSG00000247867 (3
3.74E-04	**<0.05**	ABCA8 (3.4)	LPA (3.0)	MT1E (2.9)
3.76E-04	**<0.05**	PLG (8.5)	F2 (8.3)	APOC4 (7.9)
3.83E-04	**<0.05**	PLTP (4.0)	SLC22A1 (3.7)	LPA (3.5)
3.83E-04	**<0.05**	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
3.83E-04	**<0.05**	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
3.90E-04	**<0.05**	APOE (6.4)	F2 (5.1)	APOC1 (4.9)
3.93E-04	**<0.05**	TNKS (3.4)	CENPT (2.3)	TMEM208 (2.3)
3.96E-04	**<0.05**	PPY (3.3)	SLC22A1 (2.8)	C19orf80 (2.6)
3.96E-04	**<0.05**	F2 (6.4)	APOB (5.6)	APOA1 (5.3)
4.00E-04	**<0.05**	CTRL (9.5)	PPY (4.3)	NR1H3 (4.0)
4.02E-04	**<0.05**	TAGLN (3.2)	SLC39A13 (3.0)	PVRL2 (3.0)
4.12E-04	**<0.05**	G6PC3 (3.8)	MMAB (3.4)	PTPMT1 (3.3)
4.18E-04	**<0.05**	F2 (6.1)	APOC3 (4.8)	APOB (4.7)
4.18E-04	**<0.05**	CCL17 (6.5)	CCL22 (5.7)	CD40 (5.6)
4.18E-04	**<0.05**	APOC4 (5.6)	LPA (5.5)	APOA5 (4.6)
4.21E-04	**<0.05**	APOC1 (5.8)	LPL (5.5)	NR1H3 (5.0)
4.21E-04	**<0.05**	FADS1 (7.8)	FADS2 (7.1)	GPAM (6.8)
4.26E-04	**<0.05**	NAGS (3.1)	FADS2 (3.0)	ENSG00000255507 (2
4.27E-04	**<0.05**	ARID1A (4.1)	MTMR3 (3.6)	TRIB1 (3.4)
4.29E-04	**<0.05**	LILRB2 (2.9)	CMIP (2.7)	PAFAH1B2 (2.4)
4.33E-04	**<0.05**	APOA4 (4.0)	NR1H3 (3.8)	APOC1 (3.3)
4.33E-04	**<0.05**	APOA4 (4.0)	NR1H3 (3.8)	APOC1 (3.3)
4.33E-04	**<0.05**	CTRL (16.6)	PPY (6.0)	MLXIPL (5.8)
4.40E-04	**<0.05**	SOST (4.8)	SMPD3 (4.7)	LRP4 (3.8)
4.47E-04	**<0.05**	LILRB2 (5.5)	LILRA3 (5.4)	SPI1 (4.4)
4.53E-04	**<0.05**	DGAT2 (5.7)	LPL (5.2)	GPAM (5.0)
4.53E-04	**<0.05**	SNX13 (2.6)	PTPRJ (2.4)	SPI1 (2.4)
4.54E-04	**<0.05**	FADS2 (5.9)	FADS1 (5.5)	SLC22A1 (5.3)
4.57E-04	**<0.05**	TRIB1 (3.6)	NR1H3 (3.1)	BCL3 (3.0)
4.59E-04	**<0.05**	BCAM (3.7)	ERBB2 (3.5)	PGAP3 (3.3)
4.66E-04	**<0.05**	UVRAG (3.3)	MIEN1 (2.3)	CELF1 (2.3)

4.71E-04	**<0.05**	APOA5 (5.1)	SLC22A1 (4.8)	APOC4 (3.9)
4.71E-04	**<0.05**	LPA (6.0)	CETP (4.8)	APOA5 (4.1)
4.76E-04	**<0.05**	APOC1 (3.3)	MADD (2.9)	LSM12 (2.5)
4.82E-04	**<0.05**	CETP (4.2)	NR0B2 (4.2)	APOA4 (4.1)
4.99E-04	**<0.05**	NR1H3 (3.5)	DGAT2 (3.3)	CD36 (3.3)
5.05E-04	**<0.05**	FADS2 (6.0)	FADS1 (5.5)	SLC22A1 (5.3)
5.10E-04	**<0.05**	DGAT2 (4.9)	FADS1 (4.9)	FADS2 (4.8)
5.10E-04	**<0.05**	DGAT2 (4.9)	FADS1 (4.9)	FADS2 (4.8)
5.21E-04	**<0.05**	DGAT2 (3.8)	ANGPTL4 (3.8)	MAFF (3.1)
5.25E-04	**<0.05**	LIPC (3.1)	ENSG00000181123 (3	TGM5 (2.9)
5.29E-04	**<0.05**	DGAT2 (4.9)	LPL (4.9)	GPAM (4.7)
5.39E-04	**<0.05**	FADS2 (5.0)	FADS1 (4.9)	GPAM (4.8)
5.40E-04	**<0.05**	MYBPC3 (8.5)	TCAP (5.5)	FRMD5 (4.9)
5.47E-04	**<0.05**	CTRL (7.0)	APOA4 (4.6)	NR0B2 (3.7)
5.59E-04	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
5.59E-04	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
5.59E-04	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
5.65E-04	**<0.05**	SEC14L4 (4.5)	ACAA2 (4.2)	MLXIPL (3.6)
5.68E-04	**<0.05**	PDIA3 (8.6)	SDF2L1 (8.2)	HERPUD1 (5.1)
5.77E-04	**<0.05**	PLG (6.0)	HNF4A (5.2)	SLC22A1 (5.2)
5.79E-04	**<0.05**	LPL (6.6)	CD36 (4.6)	MLXIPL (4.0)
5.83E-04	**<0.05**	FZD9 (4.0)	BCAM (3.8)	TRPS1 (3.5)
5.91E-04	**<0.05**	LPL (7.0)	DGAT2 (6.3)	CD36 (4.4)
5.93E-04	**<0.05**	LIPC (6.7)	PLG (6.7)	APOA5 (6.0)
5.96E-04	**<0.05**	LIPC (6.4)	F2 (6.0)	PLG (5.9)
6.09E-04	**<0.05**	CTRL (7.1)	APOA4 (4.6)	NR0B2 (3.8)
6.11E-04	**<0.05**	TAGLN (3.7)	CSGALNACT1 (3.6)	FHOD1 (3.4)
6.18E-04	**<0.05**	SFN (5.4)	TGM5 (4.9)	MMAB (4.1)
6.38E-04	**<0.05**	F2 (6.7)	LIPC (5.4)	PLG (5.2)
6.38E-04	**<0.05**	APOA5 (4.8)	APOC4 (4.0)	LPA (3.6)
6.42E-04	**<0.05**	LILRB2 (3.4)	LILRA3 (3.4)	PLTP (3.3)
6.42E-04	**<0.05**	EPB42 (8.1)	RANBP10 (4.5)	CETP (4.3)
6.77E-04	**<0.05**	SDF2L1 (8.7)	PDIA3 (6.1)	MMAB (4.5)
6.77E-04	**<0.05**	CTRL (4.9)	DGAT2 (4.3)	CD36 (4.1)
7.01E-04	**<0.05**	SCARB1 (4.9)	PNMT (4.4)	ST3GAL4 (3.8)
7.01E-04	**<0.05**	COQ9 (5.0)	CIAPIN1 (3.9)	PDHB (3.7)
7.10E-04	**<0.05**	FPR3 (4.1)	SPI1 (3.3)	LILRB2 (3.1)
7.26E-04	**<0.05**	VEGFA (6.2)	NOL3 (4.4)	ANGPTL4 (4.3)
7.29E-04	**<0.05**	APOC3 (9.3)	APOA4 (9.0)	APOA1 (8.9)
7.29E-04	**<0.05**	BCL3 (4.4)	PSMB10 (4.2)	ENSG00000247445 (3
7.41E-04	**<0.05**	APOE (7.6)	F2 (6.3)	APOB (6.2)
7.47E-04	**<0.05**	PLG (6.0)	LIPC (5.9)	APOA5 (5.5)
7.49E-04	**<0.05**	CETP (4.4)	NR1H3 (4.2)	APOE (3.7)
7.53E-04	**<0.05**	APOC1 (9.0)	APOA4 (8.7)	APOC3 (8.6)
7.55E-04	**<0.05**	SDF2L1 (9.6)	PDIA3 (7.7)	APOB (5.9)
7.66E-04	**<0.05**	APOA4 (5.0)	NAGS (4.9)	ENSG00000236267 (3
7.66E-04	**<0.05**	APOA4 (5.0)	NAGS (4.9)	ENSG00000236267 (3
7.66E-04	**<0.05**	LCAT (2.7)	LIPC (2.6)	C19orf80 (2.5)
7.67E-04	**<0.05**	HCAR1 (2.7)	MLXIPL (2.5)	NR0B2 (2.5)
7.72E-04	**<0.05**	LRP4 (2.6)	DOCK6 (2.4)	IGF2R (2.4)

7.84E-04	**<0.05**	MAFF (4.8)	TRIB1 (3.8)	PITPNM2 (3.2)
7.98E-04	**<0.05**	COQ9 (4.7)	CD36 (4.3)	LPL (3.6)
8.21E-04	**<0.05**	CD300LG (2.5)	SIK3 (2.4)	CSGALNACT1 (2.3)
8.24E-04	**<0.05**	CD40 (5.1)	SPI1 (4.7)	BCL3 (4.5)
8.39E-04	**<0.05**	MYBPC3 (3.7)	DOCK6 (3.7)	PDE3A (3.6)
8.44E-04	**<0.05**	CSGALNACT1 (3.3)	COBLL1 (3.1)	ESRP2 (2.7)
8.52E-04	**<0.05**	SPI1 (3.9)	LILRB2 (3.5)	GLUL (3.3)
8.54E-04	**<0.05**	PPY (4.3)	KLF14 (3.7)	MLXIPL (3.4)
8.56E-04	**<0.05**	MMAB (10.8)	MVK (9.3)	FADS2 (7.6)
8.57E-04	**<0.05**	CD36 (3.2)	RELB (3.1)	BCL3 (2.9)
8.68E-04	**<0.05**	BMP8A (3.4)	CPNE2 (3.0)	MT1E (2.7)
8.74E-04	**<0.05**	BCL3 (3.9)	PGS1 (3.5)	MAFF (3.2)
8.78E-04	**<0.05**	RSPO3 (3.3)	LIPG (3.2)	ABCA8 (3.0)
8.82E-04	**<0.05**	MVK (11.3)	MMAB (8.6)	FADS2 (7.9)
8.85E-04	**<0.05**	CETP (4.7)	LIPC (4.6)	F2 (4.1)
8.98E-04	**<0.05**	PGS1 (3.8)	CD36 (3.5)	LILRA3 (3.1)
8.98E-04	**<0.05**	PDIA3 (3.8)	TBL2 (3.6)	MTCH2 (3.6)
8.98E-04	**<0.05**	EPB42 (5.8)	BCL3 (3.4)	RELB (3.3)
9.16E-04	**<0.05**	MACF1 (3.2)	ARID1A (2.9)	JMJD1C (2.8)
9.26E-04	**<0.05**	COQ9 (4.6)	ACAA2 (4.0)	PDHB (3.9)
9.27E-04	**<0.05**	APOE (7.6)	F2 (6.7)	APOB (6.6)
9.70E-04	**<0.05**	TRIB1 (5.1)	MAFF (4.3)	CITED2 (3.5)
9.75E-04	**<0.05**	SPI1 (4.6)	FPR3 (3.8)	PLA2G15 (3.5)
9.75E-04	**<0.05**	TAGLN (4.4)	CLPTM1 (3.4)	MACF1 (3.4)
9.77E-04	**<0.05**	APOA4 (4.6)	SLC12A3 (3.9)	JMJD1C (3.7)
9.84E-04	**<0.05**	OASL (6.9)	PSMB10 (4.4)	RELB (4.0)
9.86E-04	**<0.05**	DGAT2 (4.9)	GPAM (4.7)	FADS1 (4.6)
9.88E-04	**<0.05**	APOE (4.8)	CETP (3.5)	ACP2 (3.3)
9.88E-04	**<0.05**	LRP4 (2.5)	PTPRZ1 (2.3)	ABCA1 (2.3)
9.99E-04	**<0.05**	APOB (3.6)	PDE3A (2.7)	APOA1 (2.6)
1.01E-03	**<0.05**	EPB42 (5.5)	BCL3 (4.6)	RELB (4.0)
1.01E-03	**<0.05**	FADS1 (4.6)	FADS2 (4.5)	DGAT2 (4.3)
1.01E-03	**<0.05**	SLC22A1 (3.7)	NAGS (2.8)	LPA (2.7)
1.02E-03	**<0.05**	OASL (6.3)	PSMB10 (4.4)	CD40 (4.0)
1.03E-03	**<0.05**	DOCK6 (4.6)	EXOC3L1 (4.5)	GPIHBP1 (3.7)
1.04E-03	**<0.05**	CD36 (4.3)	GPAM (4.0)	HCAR1 (3.7)
1.04E-03	**<0.05**	PPY (6.3)	ANGPTL4 (4.5)	LPL (4.3)
1.05E-03	**<0.05**	ABCA1 (3.8)	AMFR (2.6)	CETP (2.5)
1.05E-03	**<0.05**	APOC4 (4.5)	APOA5 (4.1)	SLC22A1 (4.0)
1.06E-03	**<0.05**	LPL (6.4)	DGAT2 (4.9)	HCAR1 (4.9)
1.07E-03	**<0.05**	CD36 (6.1)	LPL (5.2)	ANGPTL4 (5.2)
1.09E-03	**<0.05**	F2 (4.4)	ABCA8 (4.2)	APOB (4.0)
1.10E-03	**<0.05**	BCL3 (3.7)	MAFF (3.5)	SLC22A1 (3.2)
1.12E-03	**<0.05**	DUS2L (3.3)	ZNF335 (2.9)	CTRL (2.9)
1.12E-03	**<0.05**	LIPG (2.9)	ST3GAL4 (2.6)	FPR3 (2.6)
1.13E-03	**<0.05**	LILRB2 (5.3)	SPI1 (4.1)	CD40 (3.7)
1.13E-03	**<0.05**	F2 (9.2)	APOA1 (9.1)	APOC3 (8.7)
1.14E-03	**<0.05**	APOA1 (10.2)	F2 (10.1)	APOC3 (9.0)
1.14E-03	**<0.05**	APOA1 (10.2)	F2 (10.1)	APOC3 (9.0)
1.14E-03	**<0.05**	APOC1 (4.1)	GALNT2 (3.5)	CD40 (3.3)

1.15E-03	**<0.05**	VEGFA (3.6)	MT1H (3.5)	LPA (3.0)
1.15E-03	**<0.05**	MLXIPL (3.4)	HCAR1 (3.2)	NR0B2 (3.1)
1.17E-03	**<0.05**	PLG (7.9)	LIPC (7.8)	F2 (7.8)
1.17E-03	**<0.05**	EDC4 (3.8)	AMBRA1 (3.6)	NRBF2 (3.5)
1.18E-03	**<0.05**	MYBPC3 (3.5)	ARHGAP1 (3.4)	C11orf9 (3.3)
1.18E-03	**<0.05**	TMEM101 (4.0)	TMEM175 (3.8)	PTPMT1 (3.2)
1.19E-03	**<0.05**	DPEP2 (3.2)	CCDC92 (3.1)	GPR146 (3.0)
1.20E-03	**<0.05**	APOE (7.8)	F2 (6.3)	APOB (6.2)
1.23E-03	**<0.05**	BCL3 (4.8)	TRIB1 (4.4)	CETP (4.2)
1.23E-03	**<0.05**	FZD9 (4.1)	SLC39A13 (3.9)	TRPS1 (3.9)
1.24E-03	**<0.05**	GALNT2 (2.9)	LPA (2.9)	PLA2G15 (2.9)
1.24E-03	**<0.05**	LPA (6.8)	PLG (6.2)	APOA5 (6.2)
1.24E-03	**<0.05**	APOA1 (11.1)	APOC3 (11.0)	APOB (10.9)
1.25E-03	**<0.05**	FPR3 (4.3)	LILRB2 (3.5)	SPI1 (3.3)
1.26E-03	**<0.05**	ABHD6 (4.4)	DGAT2 (4.1)	FADS1 (4.1)
1.26E-03	**<0.05**	CSGALNACT1 (3.0)	COBLL1 (2.8)	RAPSN (2.6)
1.28E-03	**<0.05**	GLUL (4.8)	FADS1 (3.3)	APOC1 (3.3)
1.28E-03	**<0.05**	EPB42 (5.9)	APOA5 (3.3)	APOC1 (3.3)
1.28E-03	**<0.05**	APOA4 (7.7)	APOC3 (5.6)	MMAB (5.1)
1.30E-03	**<0.05**	SPI1 (4.0)	EPB42 (3.3)	LILRB2 (2.7)
1.30E-03	**<0.05**	TGM5 (2.9)	CCDC11 (2.7)	LIPC (2.7)
1.32E-03	**<0.05**	DDB2 (5.0)	CD40 (3.1)	ABCA1 (3.0)
1.32E-03	**<0.05**	APOC1 (5.3)	ABCA1 (4.7)	NR1H3 (3.9)
1.32E-03	**<0.05**	SPI1 (5.5)	LILRB2 (5.4)	CD40 (5.0)
1.33E-03	**<0.05**	FPR3 (5.6)	PLA2G15 (5.0)	APOE (4.1)
1.33E-03	**<0.05**	SLC12A4 (4.9)	BCAM (4.5)	DDB2 (3.7)
1.33E-03	**<0.05**	BCL3 (3.5)	MT1E (3.4)	MT1X (3.0)
1.35E-03	**<0.05**	MACF1 (2.9)	C1orf172 (2.9)	APOE (2.9)
1.36E-03	**<0.05**	TGM5 (5.0)	SFN (3.6)	ENSG00000254235 (3
1.36E-03	**<0.05**	SCARB1 (6.9)	APOC1 (4.8)	COBLL1 (4.4)
1.37E-03	**<0.05**	APOE (7.7)	F2 (6.2)	APOB (5.8)
1.38E-03	**<0.05**	MMAB (4.6)	FPR3 (4.5)	CETP (4.3)
1.40E-03	**<0.05**	NEUROD2 (5.6)	CELSR2 (4.4)	GNAO1 (2.9)
1.41E-03	**<0.05**	ACAA2 (5.8)	TMED5 (3.8)	ANGPTL4 (3.6)
1.42E-03	**<0.05**	SDF2L1 (10.0)	HERPUD1 (8.1)	PDIA3 (6.3)
1.44E-03	**<0.05**	ENSG00000181123 (3	LIPC (2.8)	CCDC11 (2.8)
1.45E-03	**<0.05**	CENPT (3.9)	HERPUD1 (3.4)	SFN (3.2)
1.46E-03	**<0.05**	TOMM40 (4.2)	OGFOD1 (3.4)	KPNB1 (3.2)
1.47E-03	**<0.05**	LIPC (4.2)	APOC1 (4.2)	APOA4 (4.1)
1.49E-03	**<0.05**	DGAT2 (8.7)	CD36 (7.7)	LPL (6.5)
1.49E-03	**<0.05**	SDF2L1 (6.1)	PDIA3 (5.5)	LIPC (5.2)
1.49E-03	**<0.05**	UBE2L3 (3.8)	PVRL2 (2.9)	MON1A (2.7)
1.50E-03	**<0.05**	LIPG (3.1)	RSPO3 (2.9)	ABCA8 (2.8)
1.50E-03	**<0.05**	LIPG (3.1)	RSPO3 (2.9)	ABCA8 (2.8)
1.50E-03	**<0.05**	LPL (6.3)	CD36 (5.3)	ANGPTL4 (4.7)
1.51E-03	**<0.05**	APOB (7.5)	APOA1 (7.1)	APOC3 (6.5)
1.51E-03	**<0.05**	APOA4 (5.4)	NR0B2 (3.6)	APOC1 (3.6)
1.53E-03	**<0.05**	DGAT2 (3.4)	ABCA8 (3.4)	CX3CL1 (3.3)
1.54E-03	**<0.05**	ETV5 (2.8)	C16orf86 (2.4)	PSKH1 (2.4)
1.54E-03	**<0.05**	NAGS (4.6)	PLG (4.5)	MT1G (3.6)

1.59E-03	**<0.05**	APOA4 (4.0)	MMAB (3.4)	APOC1 (3.2)
1.60E-03	**<0.05**	FHOD1 (3.2)	TCAP (3.2)	PACSIN3 (3.1)
1.60E-03	**<0.05**	LILRA3 (3.6)	LILRB2 (3.5)	LIPG (2.9)
1.60E-03	**<0.05**	LILRB2 (3.9)	ANGPTL4 (3.4)	SNX10 (3.1)
1.60E-03	**<0.05**	NCOA5 (3.4)	FNBP4 (3.4)	NLRC5 (3.4)
1.63E-03	**<0.05**	LIPC (4.7)	F2 (4.7)	APOA1 (4.3)
1.64E-03	**<0.05**	PLG (7.0)	LIPC (6.4)	APOC4 (6.1)
1.65E-03	**<0.05**	FBXL20 (4.0)	ARID1A (3.8)	CDK12 (3.3)
1.66E-03	**<0.05**	APOB (7.7)	APOA1 (7.0)	APOC3 (6.5)
1.68E-03	**<0.05**	BACE1 (3.5)	C11orf9 (3.4)	PLEKHG4 (3.2)
1.68E-03	**<0.05**	PPY (3.2)	BCAM (2.9)	MT1M (2.6)
1.69E-03	**<0.05**	SLC12A3 (6.6)	ANGPTL4 (3.9)	BCAM (3.2)
1.71E-03	**<0.05**	MT1H (4.7)	MT1G (4.5)	MT1X (3.8)
1.71E-03	**<0.05**	APOA4 (7.6)	APOC1 (7.2)	APOB (6.9)
1.71E-03	**<0.05**	PVRL2 (3.2)	CX3CL1 (2.7)	DOCK6 (2.6)
1.72E-03	**<0.05**	PNMT (3.9)	GPIHBP1 (3.4)	EXOC3L1 (2.9)
1.72E-03	**<0.05**	DOCK6 (5.2)	GPIHBP1 (3.4)	ERBB2 (3.1)
1.76E-03	**<0.05**	DNAH10 (2.5)	OR4A21P (2.4)	MLXIPL (2.4)
1.76E-03	**<0.05**	APOE (7.4)	F2 (6.5)	APOB (6.4)
1.79E-03	**<0.05**	BCL3 (4.8)	RELB (4.3)	LILRB2 (3.9)
1.80E-03	**<0.05**	PGS1 (4.6)	BCL3 (4.4)	CETP (3.7)
1.81E-03	**<0.05**	PLG (6.0)	APOC4 (6.0)	F2 (5.8)
1.82E-03	**<0.05**	PLG (8.3)	F2 (7.2)	APOA1 (6.5)
1.83E-03	**<0.05**	APOE (4.4)	GRB7 (4.4)	PGAP3 (4.2)
1.84E-03	**<0.05**	TAGLN (4.0)	ARHGAP1 (3.5)	RELB (3.5)
1.85E-03	**<0.05**	F2 (8.7)	APOA1 (8.3)	APOB (7.7)
1.86E-03	**<0.05**	F2 (8.6)	APOB (8.1)	APOA1 (8.0)
1.86E-03	**<0.05**	LPA (3.3)	ABCA8 (3.2)	MT1H (2.9)
1.87E-03	**<0.05**	FHOD1 (2.5)	PVRL2 (2.3)	GLUL (2.2)
1.87E-03	**<0.05**	SLC22A1 (4.2)	APOA5 (4.1)	PLG (4.0)
1.91E-03	**<0.05**	PGS1 (3.9)	CCL22 (3.9)	CCL17 (3.6)
1.92E-03	**<0.05**	F2 (8.8)	APOB (8.5)	APOA1 (8.1)
1.92E-03	**<0.05**	F2 (8.8)	APOB (8.5)	APOA1 (8.1)
1.93E-03	**<0.05**	F2 (6.3)	PLG (5.8)	APOC4 (5.1)
1.94E-03	**<0.05**	FADS1 (4.8)	ELMO3 (4.6)	MAFF (4.1)
1.94E-03	**<0.05**	TOMM40 (4.3)	OGFOD1 (3.8)	KPNB1 (3.6)
1.95E-03	**<0.05**	APOA1 (7.2)	APOB (6.7)	F2 (6.6)
1.97E-03	**<0.05**	SEC14L4 (4.2)	ACAA2 (4.1)	MLXIPL (3.8)
2.02E-03	**<0.05**	EPB42 (8.2)	CD36 (3.8)	SEC14L4 (3.2)
2.03E-03	**<0.05**	APOB (7.8)	APOA1 (7.2)	APOC3 (6.7)
2.04E-03	**<0.05**	ACAA2 (4.2)	PLG (3.5)	GPAM (2.9)
2.05E-03	**<0.05**	MMAB (10.7)	MVK (9.4)	FADS2 (7.8)
2.06E-03	**<0.05**	EPB42 (7.0)	SEC14L4 (3.7)	ENSG00000254235 (3
2.07E-03	**<0.05**	TAGLN (5.7)	APOE (4.1)	KANK2 (3.3)
2.08E-03	**<0.05**	DYM (3.3)	AMFR (3.2)	HDAC5 (3.1)
2.08E-03	**<0.05**	CDK12 (4.2)	ARID1A (4.1)	PGAP3 (3.4)
2.09E-03	**<0.05**	NAGS (4.5)	GPAM (3.9)	DGAT2 (3.7)
2.09E-03	**<0.05**	NAGS (4.5)	GPAM (3.9)	DGAT2 (3.7)
2.13E-03	**<0.05**	KCTD6 (3.0)	AMFR (2.3)	FZD9 (2.3)
2.13E-03	**<0.05**	ZFAND2A (3.7)	UBE3B (3.6)	EYA3 (2.9)

2.13E-03	**<0.05**	LILRB2 (5.2)	LILRA3 (4.9)	BCL3 (3.6)
2.14E-03	**<0.05**	SLC22A1 (6.2)	LPA (6.0)	FADS2 (4.6)
2.14E-03	**<0.05**	E2F4 (3.5)	PAFAH1B2 (3.4)	RAB11B (3.0)
2.15E-03	**<0.05**	VEGFA (3.4)	ABCA1 (2.8)	ARID1A (2.8)
2.15E-03	**<0.05**	APOB (7.6)	APOA1 (7.0)	APOC3 (6.5)
2.16E-03	**<0.05**	F2 (7.1)	APOA1 (6.8)	APOC3 (6.5)
2.16E-03	**<0.05**	F2 (7.1)	APOA1 (6.8)	APOC3 (6.5)
2.16E-03	**<0.05**	ST3GAL4 (3.2)	CD36 (3.0)	HDAC5 (2.9)
2.16E-03	**<0.05**	TAGLN (4.2)	APOE (3.5)	SLC39A13 (2.9)
2.21E-03	**<0.05**	APOA4 (3.7)	NAGS (3.0)	CTRL (3.0)
2.23E-03	**<0.05**	LILRA3 (3.6)	LILRB2 (3.3)	MT1H (3.0)
2.23E-03	**<0.05**	PVRL2 (3.0)	CX3CL1 (2.8)	LIPG (2.6)
2.25E-03	**<0.05**	CITED2 (4.0)	VEGFA (3.4)	DOCK6 (3.1)
2.26E-03	**<0.05**	TBL2 (4.1)	VEGFA (4.1)	ANGPTL4 (3.1)
2.26E-03	**<0.05**	CTRL (8.3)	PLG (4.4)	F2 (4.1)
2.27E-03	**<0.05**	CMIP (3.6)	C1orf172 (3.3)	ESRP2 (3.0)
2.27E-03	**<0.05**	F2 (8.4)	APOB (7.8)	APOA1 (7.7)
2.28E-03	**<0.05**	PVRL2 (4.3)	APOA1 (3.5)	ARID1A (3.2)
2.31E-03	**<0.05**	GPIHBP1 (3.9)	GPR146 (3.7)	CSGALNACT1 (3.2)
2.31E-03	**<0.05**	TAGLN (5.2)	KANK2 (3.6)	FHOD1 (3.4)
2.32E-03	**<0.05**	LILRA3 (2.6)	MT1H (2.6)	CCL22 (2.4)
2.32E-03	**<0.05**	F2 (8.3)	APOA1 (8.0)	APOB (7.4)
2.33E-03	**<0.05**	F2 (8.3)	APOA1 (7.8)	APOB (7.7)
2.33E-03	**<0.05**	PGS1 (4.7)	BCL3 (4.5)	PTPRJ (3.7)
2.40E-03	**<0.05**	NAGS (4.2)	APOA4 (3.9)	CD300LG (3.6)
2.42E-03	**<0.05**	PSMB10 (3.8)	CX3CL1 (3.6)	BCL3 (3.6)
2.43E-03	**<0.05**	PLG (8.3)	LIPC (6.4)	APOC4 (6.1)
2.48E-03	**<0.05**	F2 (8.5)	APOB (8.4)	APOC3 (8.2)
2.49E-03	**<0.05**	ERBB2 (3.0)	ABCB9 (2.6)	C11orf9 (2.6)
2.49E-03	**<0.05**	BCL3 (3.6)	C11orf9 (3.5)	HDAC5 (3.0)
2.49E-03	**<0.05**	DGAT2 (6.5)	HCAR1 (5.3)	LPL (4.9)
2.49E-03	**<0.05**	MTMR3 (2.6)	MBD1 (2.6)	ARFGAP2 (2.5)
2.50E-03	**<0.05**	LIPG (3.1)	PVRL2 (2.9)	CX3CL1 (2.8)
2.52E-03	**<0.05**	LCAT (2.8)	LIPC (2.6)	C19orf80 (2.5)
2.52E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.8)
2.52E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
2.52E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
2.53E-03	**<0.05**	F2 (6.6)	APOC3 (5.4)	APOB (5.0)
2.57E-03	**<0.05**	SLC12A3 (10.2)	PLG (4.6)	HNF4A (3.6)
2.58E-03	**<0.05**	APOC3 (4.2)	APOA4 (4.2)	APOA1 (4.1)
2.59E-03	**<0.05**	SOST (2.8)	ENSG00000229043 (2	GRB7 (2.7)
2.60E-03	**<0.05**	ACAA2 (4.7)	COQ9 (4.4)	PDHB (3.8)
2.61E-03	**<0.05**	APOB (7.7)	APOA1 (7.0)	APOC3 (6.7)
2.62E-03	**<0.05**	F2 (8.2)	APOB (7.8)	APOA1 (7.8)
2.64E-03	**<0.05**	APOC1 (5.9)	FPR3 (5.5)	LPL (3.6)
2.67E-03	**<0.05**	SCARB1 (8.1)	PNMT (6.5)	KLF14 (4.1)
2.69E-03	**<0.05**	VEGFA (3.8)	APOA1 (3.4)	APOE (3.3)
2.69E-03	**<0.05**	F2 (5.1)	PLG (4.4)	APOA5 (4.3)
2.69E-03	**<0.05**	APOC4 (7.0)	LPA (6.5)	PLG (6.1)
2.70E-03	**<0.05**	BCL3 (4.2)	CCL17 (4.0)	CCL22 (4.0)

2.70E-03	**<0.05**	KLHL8 (3.2)	AMBRA1 (3.1)	NPEPPS (2.8)
2.71E-03	**<0.05**	F2 (8.0)	APOB (7.7)	APOA1 (7.6)
2.71E-03	**<0.05**	F2 (4.7)	LIPC (4.0)	APOB (3.8)
2.73E-03	**<0.05**	SDF2L1 (4.0)	ZFAND2A (3.5)	TMED5 (3.3)
2.77E-03	**<0.05**	LIPC (4.1)	APOC1 (3.9)	APOA4 (3.8)
2.79E-03	**<0.05**	C19orf80 (3.2)	NFATC3 (3.0)	HCAR1 (2.9)
2.80E-03	**<0.05**	CYP26A1 (4.7)	TRPS1 (3.6)	FZD9 (3.3)
2.81E-03	**<0.05**	MIEN1 (3.8)	PGAP3 (3.5)	TMED5 (3.5)
2.81E-03	**<0.05**	ARID1A (3.7)	PVRL2 (3.4)	KANK2 (3.2)
2.81E-03	**<0.05**	F2 (8.2)	APOB (7.8)	APOA1 (7.6)
2.85E-03	**<0.05**	F2 (7.9)	APOB (7.8)	APOA1 (7.5)
2.85E-03	**<0.05**	RELB (4.5)	BCL3 (4.4)	CD40 (3.7)
2.88E-03	**<0.05**	MAFF (4.7)	BCL3 (4.6)	TRIB1 (4.5)
2.88E-03	**<0.05**	PLG (8.3)	APOC4 (7.1)	APOA5 (6.5)
2.89E-03	**<0.05**	VEGFA (4.6)	TBL2 (4.1)	ANGPTL4 (3.7)
2.91E-03	**<0.05**	CETP (4.0)	TRIB1 (3.4)	OASL (3.2)
2.94E-03	**<0.05**	PLA2G15 (3.7)	SNX13 (3.0)	CLPTM1 (2.6)
2.95E-03	**<0.05**	NR1H3 (4.4)	APOC1 (4.2)	BCL3 (3.7)
2.98E-03	**<0.05**	F2 (9.0)	APOB (8.6)	APOA1 (8.4)
3.02E-03	**<0.05**	MVK (3.4)	MMAB (3.2)	MAFF (3.1)
3.02E-03	**<0.05**	LIPC (5.4)	F2 (4.2)	HNF4A (4.1)
3.02E-03	**<0.05**	PLG (7.8)	APOC4 (6.7)	APOC3 (6.4)
3.04E-03	**<0.05**	NPEPPS (4.1)	NCOA5 (3.8)	PCIF1 (2.9)
3.07E-03	**<0.05**	F2 (8.1)	APOA1 (8.1)	APOB (7.3)
3.07E-03	**<0.05**	MYBPC3 (4.8)	ENSG00000229043 (2	LRP4 (2.7)
3.09E-03	**<0.05**	E2F4 (3.2)	C1orf172 (2.9)	ENSG00000226645 (2
3.11E-03	**<0.05**	DOCK6 (3.5)	GPIHBP1 (3.3)	ABCA1 (2.9)
3.13E-03	**<0.05**	EPB42 (5.4)	CD36 (3.8)	PTPRJ (3.2)
3.14E-03	**<0.05**	GPAM (3.4)	GPIHBP1 (3.4)	DGAT2 (3.3)
3.15E-03	**<0.05**	SFN (6.8)	ESRP2 (4.1)	TGM5 (4.1)
3.16E-03	**<0.05**	DGAT2 (4.1)	TRPS1 (3.5)	SCARB1 (3.5)
3.17E-03	**<0.05**	PLEKHG4 (3.4)	LRP4 (3.1)	C11orf9 (2.8)
3.17E-03	**<0.05**	BCL3 (5.1)	TRIB1 (4.4)	EYA3 (3.1)
3.18E-03	**<0.05**	SFN (4.9)	MVK (4.1)	MMAB (3.4)
3.18E-03	**<0.05**	IGF2R (3.1)	PDE3A (3.1)	JMJD1C (3.0)
3.18E-03	**<0.05**	CCL17 (3.1)	ENSG00000181123 (3	FPR3 (2.9)
3.23E-03	**<0.05**	PLA2G15 (3.8)	ABCA1 (3.4)	DDB2 (3.3)
3.23E-03	**<0.05**	PGAP3 (3.1)	CCNDBP1 (2.6)	ARFGAP2 (2.6)
3.24E-03	**<0.05**	PPY (4.5)	PYY (4.2)	MLXIPL (3.2)
3.24E-03	**<0.05**	PPY (4.5)	PYY (4.2)	MLXIPL (3.2)
3.24E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
3.25E-03	**<0.05**	MAFF (4.3)	CSGALNACT1 (3.7)	BCL3 (3.4)
3.28E-03	**<0.05**	ACAA2 (4.1)	DGAT2 (3.8)	GPAM (3.7)
3.31E-03	**<0.05**	EIF3J (2.8)	FADS1 (2.7)	KPNB1 (2.5)
3.32E-03	**<0.05**	LSM12 (3.3)	PSKH1 (3.3)	UVRAG (3.1)
3.32E-03	**<0.05**	CTRL (5.7)	C1orf172 (4.7)	SFN (3.9)
3.32E-03	**<0.05**	LRP4 (3.8)	PLEKHG4 (3.4)	BACE1 (3.1)
3.36E-03	**<0.05**	CCL22 (5.0)	CD40 (4.0)	CCL17 (4.0)
3.36E-03	**<0.05**	F2 (5.5)	APOC1 (4.5)	PLG (4.3)
3.39E-03	**<0.05**	ENSG00000256746 (2	HCAR1 (2.5)	LPL (2.4)

3.39E-03	**<0.05**	HARBI1 (3.8)	ADAL (3.1)	HCAR1 (3.1)
3.40E-03	**<0.05**	BCAM (3.1)	RSPO3 (3.1)	SLC12A4 (2.6)
3.42E-03	**<0.05**	GPAM (4.2)	MVK (3.8)	CES4A (3.5)
3.42E-03	**<0.05**	GPAM (4.2)	MVK (3.8)	CES4A (3.5)
3.45E-03	**<0.05**	VEGFA (5.3)	TBL2 (4.7)	B3GNT9 (2.7)
3.46E-03	**<0.05**	TNKS (3.3)	ARID1A (2.8)	KANK2 (2.8)
3.47E-03	**<0.05**	STRC (4.1)	GPER (3.0)	CES4A (2.9)
3.49E-03	**<0.05**	SNX13 (3.7)	MAFF (3.4)	CITED2 (3.1)
3.50E-03	**<0.05**	LILRB2 (3.6)	SPI1 (3.1)	PLA2G6 (2.9)
3.51E-03	**<0.05**	DPEP3 (3.4)	FADS1 (3.2)	SCARB1 (2.7)
3.52E-03	**<0.05**	MMAB (5.4)	PDHB (4.8)	FADS2 (4.7)
3.53E-03	**<0.05**	MYBPC3 (5.2)	ERBB2 (4.3)	CDK12 (4.0)
3.54E-03	**<0.05**	APOC3 (7.5)	APOA1 (6.8)	F2 (6.6)
3.54E-03	**<0.05**	APOC3 (7.5)	APOA1 (6.8)	F2 (6.6)
3.54E-03	**<0.05**	HCAR1 (3.0)	ENSG00000256746 (2	LPL (2.5)
3.55E-03	**<0.05**	HCAR1 (3.7)	SETD8 (2.7)	ENSG00000226645 (2
3.55E-03	**<0.05**	F2 (8.3)	APOA1 (8.2)	APOB (7.5)
3.55E-03	**<0.05**	MT1H (5.0)	MT1G (4.5)	MT1E (4.2)
3.56E-03	**<0.05**	MACF1 (3.7)	FHOD1 (3.5)	LILRB2 (2.9)
3.58E-03	**<0.05**	HCAR1 (4.4)	KLHL8 (2.6)	CD300LG (2.6)
3.58E-03	**<0.05**	GRB7 (3.5)	ETV5 (3.1)	CD300LG (3.1)
3.59E-03	**<0.05**	F2 (5.9)	SFN (5.5)	APOC3 (5.3)
3.59E-03	**<0.05**	APOB (3.7)	PLG (3.4)	F2 (3.3)
3.60E-03	**<0.05**	TRIB1 (4.9)	ANGPTL4 (4.3)	MAFF (4.2)
3.63E-03	<0.20	TTC39B (2.4)	OR5J2 (2.3)	MT1H (2.3)
3.65E-03	<0.20	ACAA2 (4.2)	LPA (3.5)	SLC22A1 (3.0)
3.65E-03	<0.20	EPB42 (3.7)	AFF1 (3.6)	ARID1A (3.3)
3.65E-03	<0.20	LILRA3 (3.7)	CCL17 (3.7)	RBPJ (3.4)
3.67E-03	<0.20	APOB (8.2)	APOA1 (7.7)	APOC3 (7.1)
3.70E-03	<0.20	CD40 (3.7)	RELB (3.5)	ZDHHC18 (2.9)
3.70E-03	<0.20	TBKBP1 (3.9)	EXOC3L1 (3.4)	CSGALNACT1 (2.9)
3.74E-03	<0.20	EPB42 (3.9)	KLF14 (3.6)	GPR146 (2.9)
3.75E-03	<0.20	MTMR3 (3.1)	VEGFA (3.1)	CD300LG (2.7)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.80E-03	<0.20	PLEKHG4 (3.5)	LRP4 (3.3)	C11orf9 (3.2)
3.84E-03	<0.20	SLC12A3 (4.1)	VEGFA (3.6)	PDE3A (3.4)
3.85E-03	<0.20	F2 (7.0)	APOB (5.9)	LIPC (5.8)
3.86E-03	<0.20	MTMR3 (3.9)	CITED2 (3.6)	TRIB1 (3.3)
3.88E-03	<0.20	PLA2G15 (4.3)	FPR3 (4.2)	ACP2 (3.6)
3.89E-03	<0.20	MMAB (6.9)	MVK (6.5)	FADS2 (5.9)
3.90E-03	<0.20	FPR3 (5.5)	PLA2G15 (4.9)	NR1H3 (3.8)
3.92E-03	<0.20	F2 (5.6)	APOC3 (5.2)	APOB (5.0)
3.94E-03	<0.20	GPR146 (2.9)	BCL3 (2.9)	RBM5 (2.7)
3.98E-03	<0.20	EXOC3L1 (4.5)	BCAM (4.0)	DOCK6 (4.0)
3.98E-03	<0.20	TRPS1 (4.9)	FZD9 (4.4)	SMPD3 (3.4)
4.02E-03	<0.20	LPA (3.4)	ZNF350 (2.6)	ARFGAP2 (2.6)

4.03E-03	<0.20	APOC4 (8.3)	PLG (7.6)	APOA5 (6.9)
4.03E-03	<0.20	APOA1 (7.4)	APOA4 (6.8)	F2 (6.8)
4.04E-03	<0.20	LILRA3 (6.3)	LILRB2 (4.9)	CCL22 (4.3)
4.07E-03	<0.20	SPI1 (4.7)	LILRB2 (3.6)	BCL3 (2.6)
4.10E-03	<0.20	LPL (7.7)	ANGPTL4 (6.1)	CD36 (4.9)
4.14E-03	<0.20	F2 (6.2)	APOC3 (6.1)	APOB (5.8)
4.15E-03	<0.20	RELB (4.3)	MAFF (4.3)	TRIB1 (4.0)
4.15E-03	<0.20	RELB (4.3)	MAFF (4.3)	TRIB1 (4.0)
4.15E-03	<0.20	RELB (4.3)	MAFF (4.3)	TRIB1 (4.0)
4.15E-03	<0.20	RELB (4.3)	MAFF (4.3)	TRIB1 (4.0)
4.15E-03	<0.20	ZDHHC18 (3.7)	FADS1 (3.6)	MAFF (3.4)
4.16E-03	<0.20	YDJC (3.0)	MTMR3 (2.6)	NOL3 (2.5)
4.17E-03	<0.20	APOA4 (7.5)	APOC3 (7.4)	APOA1 (6.9)
4.20E-03	<0.20	ETV5 (3.8)	SLC12A4 (2.6)	BCAM (2.5)
4.21E-03	<0.20	PPY (2.5)	ENSG00000247445 (2	TGM7 (2.5)
4.23E-03	<0.20	LIPC (5.1)	PLG (4.7)	APOA5 (4.3)
4.23E-03	<0.20	F2 (5.9)	SFN (5.4)	APOC3 (5.3)
4.27E-03	<0.20	BCL3 (3.5)	GALNT2 (3.2)	TRIB1 (3.0)
4.28E-03	<0.20	CCL22 (4.3)	CCL17 (3.5)	CD40 (2.7)
4.30E-03	<0.20	DGKG (3.3)	CX3CL1 (2.8)	CMIP (2.4)
4.32E-03	<0.20	SLC22A1 (3.7)	LPA (3.0)	LIPG (2.7)
4.33E-03	<0.20	KIAA0754 (3.2)	ZNF664 (3.0)	SFN (3.0)
4.34E-03	<0.20	SDF2L1 (3.7)	PDIA3 (3.2)	ATG13 (3.2)
4.35E-03	<0.20	F2 (5.9)	C19orf80 (5.2)	PLG (4.9)
4.35E-03	<0.20	APOA4 (3.6)	DGAT2 (3.6)	ABCB9 (3.5)
4.41E-03	<0.20	PLG (4.6)	LPA (4.3)	C19orf80 (4.2)
4.41E-03	<0.20	PLEKHG4 (3.3)	LRP4 (3.3)	BACE1 (3.2)
4.44E-03	<0.20	GRB7 (2.9)	HNF4A (2.8)	ARID1A (2.8)
4.50E-03	<0.20	F2 (5.9)	SFN (5.4)	APOC3 (5.2)
4.51E-03	<0.20	SLC12A3 (5.1)	PDE3A (3.7)	LPL (3.2)
4.52E-03	<0.20	PPY (3.6)	PYY (3.4)	SPI1 (2.7)
4.53E-03	<0.20	CCL17 (7.2)	FPR3 (5.7)	CCL22 (5.2)
4.54E-03	<0.20	MLXIPL (5.6)	GPAM (4.0)	DGAT2 (3.9)
4.54E-03	<0.20	CCL22 (4.7)	FPR3 (3.4)	CCL17 (3.1)
4.60E-03	<0.20	SNX13 (3.8)	DUSP3 (3.5)	MIEN1 (3.1)
4.61E-03	<0.20	SCARB1 (6.7)	ABCA8 (4.6)	PNMT (3.6)
4.62E-03	<0.20	CTRL (7.9)	PPY (5.3)	SLC22A1 (4.2)
4.62E-03	<0.20	CTRL (4.6)	SLC22A1 (4.3)	ABHD6 (4.0)
4.67E-03	<0.20	NRBF2 (4.1)	RAB11B (3.2)	MAFF (3.0)
4.69E-03	<0.20	PLTP (3.7)	ABCA8 (3.2)	TAGLN (3.2)
4.73E-03	<0.20	SOST (4.3)	PTPRZ1 (4.1)	FZD9 (3.6)
4.76E-03	<0.20	RELB (4.4)	BCL3 (4.2)	TRIB1 (3.8)
4.77E-03	<0.20	ACAA2 (4.4)	MMAB (4.3)	GPAM (4.3)
4.77E-03	<0.20	ACAA2 (4.4)	MMAB (4.3)	GPAM (4.3)
4.78E-03	<0.20	FPR3 (4.8)	APOC4 (4.4)	APOE (4.4)
4.78E-03	<0.20	DOCK6 (4.1)	GPIHBP1 (4.0)	EXOC3L1 (3.8)
4.79E-03	<0.20	FHOD1 (2.9)	F2 (2.9)	LIPC (2.8)
4.80E-03	<0.20	ESRP2 (5.3)	C1orf172 (5.1)	ELMO3 (4.8)
4.82E-03	<0.20	OASL (3.1)	SNX10 (2.8)	BCL3 (2.3)
4.84E-03	<0.20	LPL (5.1)	NR1H3 (4.2)	CCL22 (4.2)

4.85E-03	<0.20	FZD9 (4.4)	FPR3 (4.2)	ANGPTL4 (3.8)
4.88E-03	<0.20	IGF2R (3.4)	CDK12 (3.4)	ARID1A (3.3)
4.90E-03	<0.20	FADS1 (6.9)	MMAB (6.7)	FADS2 (6.6)
4.92E-03	<0.20	PNMT (3.1)	SCARB1 (2.9)	MMAB (2.5)
4.94E-03	<0.20	FPR3 (3.6)	LILRB2 (3.5)	SPI1 (2.9)
4.94E-03	<0.20	TRIB1 (4.5)	ARID1A (3.3)	PCIF1 (3.2)
4.95E-03	<0.20	SLC22A1 (7.2)	LPA (6.0)	APOA5 (4.7)
4.97E-03	<0.20	CSGALNACT1 (3.2)	OR5L2 (2.6)	EXOC3L1 (2.5)
4.98E-03	<0.20	ENSG00000236267 (4	PDE3A (2.9)	DGAT2 (2.6)
5.00E-03	<0.20	SEC14L4 (4.5)	ENSG00000236267 (4	MMAB (3.5)
5.00E-03	<0.20	SEC14L4 (4.5)	ENSG00000236267 (4	MMAB (3.5)
5.07E-03	<0.20	TRIB1 (5.9)	MAFF (5.8)	CITED2 (3.6)
5.09E-03	<0.20	APOC4 (5.2)	NR1H3 (5.0)	SCARB1 (4.7)
5.10E-03	<0.20	RBM6 (3.9)	EDC4 (3.3)	ARFGAP2 (3.2)
5.13E-03	<0.20	NLRC5 (5.6)	OASL (5.4)	PSMB10 (3.2)
5.15E-03	<0.20	IGF2R (3.0)	GLUL (2.7)	EXOC3L1 (2.6)
5.17E-03	<0.20	CCL17 (7.6)	CCL22 (5.5)	FPR3 (5.4)
5.21E-03	<0.20	LPA (3.6)	ENSG00000236267 (3	CTRL (2.6)
5.22E-03	<0.20	EPB42 (13.3)	RANBP10 (7.2)	SEC14L4 (4.9)
5.25E-03	<0.20	SDF2L1 (11.5)	PDIA3 (9.4)	HERPUD1 (4.9)
5.29E-03	<0.20	C19orf80 (4.4)	PGAP3 (3.7)	DGAT2 (3.4)
5.30E-03	<0.20	MAFF (2.9)	SFN (2.7)	ANGPTL4 (2.7)
5.31E-03	<0.20	MT1H (2.9)	SLC12A3 (2.6)	MT1G (2.5)
5.31E-03	<0.20	F2 (9.2)	LIPC (8.2)	PLG (7.8)
5.38E-03	<0.20	MYBPC3 (6.9)	MACF1 (3.3)	TCAP (3.2)
5.39E-03	<0.20	APOA5 (6.0)	APOA4 (5.9)	CPS1 (5.7)
5.40E-03	<0.20	CETP (3.8)	CCDC92 (3.8)	TAGLN (2.7)
5.41E-03	<0.20	RBPJ (5.2)	CCL22 (4.5)	LILRB2 (3.7)
5.42E-03	<0.20	JMJD1C (4.2)	TRIB1 (3.5)	VEGFA (3.2)
5.43E-03	<0.20	ENSG00000236267 (6	NR0B2 (3.2)	NAGS (2.8)
5.44E-03	<0.20	SLC22A1 (6.8)	LPA (5.8)	APOA5 (4.7)
5.45E-03	<0.20	BUD13 (3.4)	EDC4 (3.3)	RBPJ (2.9)
5.46E-03	<0.20	CELSR2 (4.3)	TGM5 (3.7)	SFN (3.6)
5.49E-03	<0.20	APOA1 (8.2)	F2 (7.8)	APOB (7.7)
5.51E-03	<0.20	C11orf9 (3.9)	SLC12A4 (3.9)	BCAM (3.5)
5.53E-03	<0.20	APOE (6.7)	APOB (6.5)	F2 (6.5)
5.54E-03	<0.20	APOB (8.2)	APOA1 (7.5)	APOC3 (7.0)
5.54E-03	<0.20	CTRL (12.4)	DGAT2 (5.4)	PPY (4.3)
5.54E-03	<0.20	LILRB2 (4.8)	FHOD1 (4.4)	LILRA3 (3.5)
5.59E-03	<0.20	FZD9 (4.5)	SMPD3 (4.0)	TRPS1 (3.8)
5.61E-03	<0.20	TRIB1 (4.3)	SPI1 (4.0)	SNX10 (2.6)
5.61E-03	<0.20	UVRAG (3.0)	TBKBP1 (2.9)	UBE3B (2.8)
5.62E-03	<0.20	ABCA1 (3.2)	CYP26A1 (2.9)	PLA2G15 (2.6)
5.65E-03	<0.20	FADS1 (3.7)	CD40 (3.2)	LILRA3 (2.9)
5.68E-03	<0.20	TNKS (2.3)	NCOA5 (2.2)	DGAT2 (2.2)
5.70E-03	<0.20	PLG (5.0)	ACAA2 (4.7)	SLC22A1 (4.7)
5.70E-03	<0.20	PLG (5.0)	ACAA2 (4.7)	SLC22A1 (4.7)
5.72E-03	<0.20	F2 (7.1)	C19orf80 (6.2)	APOA5 (6.2)
5.74E-03	<0.20	GALNT2 (3.1)	CSGALNACT1 (2.8)	DYM (2.8)
5.75E-03	<0.20	CBFB (3.4)	KANK2 (3.3)	MTMR3 (3.0)

5.75E-03	<0.20	SPI1 (3.3)	CD300LG (3.3)	CCL22 (3.2)
5.77E-03	<0.20	F2 (5.8)	SFN (5.6)	APOC3 (5.2)
5.78E-03	<0.20	CCL22 (5.3)	CCL17 (5.1)	CD40 (4.5)
5.78E-03	<0.20	SCARB1 (4.9)	ST3GAL4 (4.4)	PNMT (3.3)
5.81E-03	<0.20	ACAA2 (6.2)	APOC4 (4.1)	GPAM (4.0)
5.81E-03	<0.20	PPY (2.9)	MADD (2.7)	GNAO1 (2.7)
5.81E-03	<0.20	GRB7 (3.7)	PGAP3 (3.4)	FHOD1 (3.4)
5.83E-03	<0.20	TRIB1 (4.3)	BCL3 (4.1)	MAFF (3.0)
5.88E-03	<0.20	EPB42 (4.7)	BCL3 (3.1)	RANBP10 (2.8)
5.90E-03	<0.20	PLG (3.4)	RSPO3 (3.4)	LIPG (3.3)
5.91E-03	<0.20	OASL (3.9)	AMBRA1 (2.9)	DCPS (2.8)
5.92E-03	<0.20	TTC39B (3.9)	PYY (3.1)	COBLL1 (2.7)
5.96E-03	<0.20	PDIA3 (4.2)	LIPG (3.9)	TBL2 (3.3)
5.97E-03	<0.20	VEGFA (4.4)	SLC12A4 (3.9)	SLC12A3 (3.8)
5.98E-03	<0.20	CCL17 (5.2)	CCL22 (4.4)	BCL3 (3.7)
6.00E-03	<0.20	OASL (6.8)	LILRB2 (4.4)	SPI1 (3.8)
6.00E-03	<0.20	FZD9 (2.7)	TBKBP1 (2.7)	GPIHBP1 (2.5)
6.05E-03	<0.20	DPEP2 (3.3)	SPI1 (3.1)	PYY (2.6)
6.06E-03	<0.20	F2 (6.2)	LIPC (5.7)	CPS1 (5.2)
6.08E-03	<0.20	LILRB2 (3.3)	CD40 (3.2)	OASL (3.1)
6.10E-03	<0.20	SFN (5.0)	TGM5 (4.7)	ESRP2 (3.6)
6.10E-03	<0.20	SPG11 (4.0)	RNF214 (3.9)	ZNF259 (3.3)
6.11E-03	<0.20	ATG13 (5.0)	B3GNT9 (4.0)	TBL2 (4.0)
6.12E-03	<0.20	PPY (3.2)	DPEP2 (3.1)	PDE3A (2.8)
6.12E-03	<0.20	PPP1R1B (3.3)	ZNF350 (2.9)	MACF1 (2.8)
6.22E-03	<0.20	NAGS (5.9)	APOA4 (5.8)	CPS1 (5.3)
6.24E-03	<0.20	TRIB1 (4.4)	ARID1A (4.4)	SETD8 (2.9)
6.24E-03	<0.20	OASL (4.2)	RELB (3.9)	BCL3 (3.7)
6.30E-03	<0.20	LPL (3.3)	CLPTM1 (3.1)	PLTP (2.8)
6.34E-03	<0.20	ANGPTL4 (4.5)	VEGFA (3.9)	GPR146 (3.4)
6.35E-03	<0.20	FADS1 (9.4)	FADS2 (8.5)	MVK (7.6)
6.37E-03	<0.20	LRP4 (4.0)	FZD9 (2.2)	LCAT (2.1)
6.39E-03	<0.20	CD300LG (3.9)	DOCK6 (3.4)	GPIHBP1 (3.2)
6.43E-03	<0.20	CCL22 (4.6)	BCL3 (4.2)	CCL17 (4.0)
6.44E-03	<0.20	ABCA1 (4.7)	RELB (3.8)	BCL3 (3.8)
6.44E-03	<0.20	TP53BP1 (4.0)	SBNO1 (3.9)	EDC4 (3.4)
6.46E-03	<0.20	FHOD1 (3.3)	FPR3 (3.2)	SPI1 (2.9)
6.47E-03	<0.20	CTRL (3.6)	SPI1 (3.3)	BCL3 (2.8)
6.47E-03	<0.20	APOE (4.7)	LRP4 (3.8)	TRPS1 (3.4)
6.48E-03	<0.20	F2 (5.0)	CPS1 (5.0)	PLG (4.5)
6.50E-03	<0.20	SOST (4.1)	SLC39A13 (3.6)	TECTB (3.4)
6.67E-03	<0.20	PXK (3.7)	CBFB (2.7)	IGF2R (2.5)
6.68E-03	<0.20	EPB42 (9.0)	RANBP10 (5.4)	SEC14L4 (4.1)
6.69E-03	<0.20	RELB (6.7)	BCL3 (4.4)	CD40 (4.3)
6.74E-03	<0.20	RELB (4.6)	BCL3 (4.2)	MAFF (4.0)
6.74E-03	<0.20	APOA1 (9.3)	APOC3 (8.3)	APOB (8.1)
6.74E-03	<0.20	ETV5 (7.0)	DOK4 (3.1)	MAFF (2.8)
6.77E-03	<0.20	PPP1R1B (3.9)	SMPD3 (2.9)	B3GNT9 (2.9)
6.78E-03	<0.20	ABCA1 (3.7)	SCARB1 (3.3)	TSNAXIP1 (2.9)
6.82E-03	<0.20	LIPC (6.6)	F2 (6.3)	APOA1 (5.8)

6.86E-03	<0.20	TCAP (7.6)	MYBPC3 (6.5)	FRMD5 (4.6)
6.89E-03	<0.20	CCDC92 (3.5)	LIPC (3.0)	OR5J2 (2.6)
6.90E-03	<0.20	TTC39B (3.3)	APOC1 (2.8)	SFN (2.7)
6.92E-03	<0.20	PSKH1 (4.1)	PARD6A (2.5)	UBE3B (2.5)
6.96E-03	<0.20	PPIP5K1 (3.4)	PTPRJ (2.8)	DGKG (2.8)
6.97E-03	<0.20	LPL (4.7)	CD36 (4.1)	ZDHHC18 (3.2)
7.02E-03	<0.20	VEGFA (2.9)	RAPSN (2.7)	KLF14 (2.5)
7.08E-03	<0.20	TRIB1 (3.3)	DEPDC1 (3.2)	CITED2 (3.0)
7.12E-03	<0.20	APOC4 (10.3)	APOA5 (8.5)	PLG (6.8)
7.14E-03	<0.20	LIPC (4.0)	CCDC92 (3.1)	PLA2G15 (3.0)
7.18E-03	<0.20	CCL17 (3.4)	LPL (3.2)	MT1E (3.1)
7.19E-03	<0.20	TECTB (4.1)	SPI1 (2.9)	RBPJ (2.9)
7.24E-03	<0.20	LILRB2 (3.8)	SPI1 (3.3)	CD36 (3.0)
7.27E-03	<0.20	APOE (5.3)	APOC1 (4.9)	APOC4 (4.5)
7.31E-03	<0.20	BCL3 (4.0)	CCL22 (3.3)	CD40 (3.0)
7.31E-03	<0.20	F2 (7.4)	PLG (7.2)	LIPC (7.1)
7.38E-03	<0.20	APOA4 (7.1)	APOC1 (6.7)	APOB (6.5)
7.42E-03	<0.20	DGAT2 (5.3)	TMEM62 (3.2)	CTRL (3.2)
7.43E-03	<0.20	TBKBP1 (3.0)	TECTB (2.8)	PDE3A (2.8)
7.44E-03	<0.20	E2F4 (4.1)	SETD8 (3.2)	RAB11B (3.1)
7.45E-03	<0.20	EPB42 (10.2)	RANBP10 (5.2)	GPR146 (3.2)
7.46E-03	<0.20	ANGPTL4 (3.3)	ACAA2 (3.1)	PNMT (2.9)
7.46E-03	<0.20	PVRL2 (3.9)	CCL22 (3.5)	CCL17 (3.5)
7.47E-03	<0.20	APOB (7.1)	APOA1 (6.7)	APOC3 (6.3)
7.48E-03	<0.20	LPL (7.9)	CD36 (7.6)	DGAT2 (5.6)
7.51E-03	<0.20	ATG13 (5.2)	HERPUD1 (4.1)	TBL2 (3.6)
7.51E-03	<0.20	KCTD6 (4.3)	ENSG00000256746 (3	COQ9 (3.0)
7.54E-03	<0.20	NUP160 (3.2)	EDC4 (3.0)	PPY (2.8)
7.54E-03	<0.20	MT1H (3.5)	ZNF613 (3.3)	PTPRZ1 (3.2)
7.58E-03	<0.20	PTPRZ1 (3.1)	MTF2 (2.9)	SPRYD5 (2.9)
7.59E-03	<0.20	APOA4 (5.8)	APOA1 (4.5)	LIPC (4.3)
7.59E-03	<0.20	APOA4 (5.8)	APOA1 (4.5)	LIPC (4.3)
7.60E-03	<0.20	F2 (6.2)	LIPC (5.3)	APOB (5.2)
7.61E-03	<0.20	CCL22 (4.5)	CCL17 (3.9)	PGS1 (3.6)
7.66E-03	<0.20	DOCK6 (4.4)	GPIHBP1 (4.1)	EXOC3L1 (3.9)
7.68E-03	<0.20	ACAA2 (4.5)	ANGPTL4 (4.0)	COQ9 (3.7)
7.70E-03	<0.20	FADS1 (5.1)	FADS2 (5.0)	MVK (5.0)
7.72E-03	<0.20	LSM12 (3.9)	MTMR3 (3.7)	CDK12 (3.7)
7.86E-03	<0.20	FADS2 (4.0)	FADS1 (3.3)	SCARB1 (3.0)
7.91E-03	<0.20	CCL22 (4.0)	LPA (3.9)	SLC22A1 (3.6)
7.91E-03	<0.20	PXK (3.9)	PLA2G15 (3.7)	CPNE2 (3.2)
7.91E-03	<0.20	PXK (3.9)	PLA2G15 (3.7)	CPNE2 (3.2)
7.97E-03	<0.20	CD36 (3.6)	LPL (3.3)	ABCA1 (2.8)
7.97E-03	<0.20	CD36 (3.6)	LPL (3.3)	ABCA1 (2.8)
7.98E-03	<0.20	F2 (5.6)	PLG (4.8)	LIPC (4.6)
7.99E-03	<0.20	CCL22 (4.5)	CD40 (3.8)	CCL17 (3.7)
8.01E-03	<0.20	PPY (5.4)	CTRL (4.6)	PYY (4.2)
8.02E-03	<0.20	KIAA0895L (3.4)	CD40 (3.1)	IGF2R (3.0)
8.03E-03	<0.20	FPR3 (7.0)	LPL (5.5)	SPI1 (5.3)
8.08E-03	<0.20	CCL22 (6.7)	CCL17 (6.2)	CD40 (4.4)

8.08E-03	<0.20	MYBPC3 (5.6)	TCAP (5.3)	PDE3A (3.5)
8.11E-03	<0.20	DGAT2 (7.3)	MLXIPL (6.2)	LPL (6.2)
8.14E-03	<0.20	PLG (4.8)	ACAA2 (4.0)	SLC22A1 (3.9)
8.14E-03	<0.20	PDIA3 (7.4)	SDF2L1 (7.0)	NLRC5 (4.6)
8.16E-03	<0.20	PDHB (3.5)	PPIP5K1 (3.2)	UBE3B (3.2)
8.16E-03	<0.20	F2 (7.6)	LIPC (7.1)	APOC3 (6.4)
8.21E-03	<0.20	RSPO3 (4.3)	APOC4 (4.2)	APOA5 (4.0)
8.22E-03	<0.20	FZD9 (3.4)	TAGLN (3.3)	PLTP (2.8)
8.25E-03	<0.20	TRPS1 (3.9)	FZD9 (3.8)	SLC39A13 (3.7)
8.28E-03	<0.20	LRP4 (3.9)	TNKS (3.1)	IGF2R (2.9)
8.34E-03	<0.20	GPAM (4.0)	SEC14L4 (3.8)	ACAA2 (3.7)
8.35E-03	<0.20	CCL22 (4.7)	CCL17 (4.4)	BCL3 (4.0)
8.36E-03	<0.20	EXOC3L1 (2.6)	E2F4 (2.5)	DOK4 (2.5)
8.37E-03	<0.20	LPL (5.4)	GPAM (4.2)	DGAT2 (4.2)
8.38E-03	<0.20	MYBPC3 (7.4)	TCAP (6.7)	FRMD5 (3.6)
8.40E-03	<0.20	MAFF (4.8)	VEGFA (4.0)	TRIB1 (3.5)
8.41E-03	<0.20	EXOC3L1 (3.3)	DPEP2 (2.8)	ABCA1 (2.8)
8.43E-03	<0.20	SDF2L1 (9.1)	HERPUD1 (7.9)	PDIA3 (6.9)
8.44E-03	<0.20	DOCK6 (4.6)	ANGPTL4 (4.2)	GPIHBP1 (3.8)
8.47E-03	<0.20	PPY (3.1)	PDE3A (2.9)	ZNF614 (2.5)
8.51E-03	<0.20	PGS1 (3.5)	BCL3 (3.2)	TRIB1 (3.1)
8.52E-03	<0.20	CCL17 (4.5)	LILRB2 (4.4)	FPR3 (4.3)
8.52E-03	<0.20	PGS1 (5.9)	BCL3 (4.9)	CD40 (3.3)
8.52E-03	<0.20	SPI1 (6.4)	LILRB2 (4.6)	LILRA3 (3.9)
8.60E-03	<0.20	PNMT (3.1)	TECTB (2.7)	ABCA8 (2.6)
8.62E-03	<0.20	CTRL (7.7)	PPY (5.3)	SLC22A1 (4.0)
8.69E-03	<0.20	CD36 (8.0)	LPL (7.5)	DGAT2 (6.7)
8.69E-03	<0.20	MT1G (6.1)	MT1F (5.8)	MT1X (5.3)
8.72E-03	<0.20	LPL (3.7)	HCAR1 (3.2)	RSPO3 (3.0)
8.77E-03	<0.20	C17orf105 (3.0)	ENSG00000182109 (2	OR5J2 (2.5)
8.83E-03	<0.20	CTRL (7.8)	PPY (5.3)	SLC22A1 (3.8)
8.87E-03	<0.20	PVRL2 (3.1)	LIPG (2.9)	CX3CL1 (2.7)
8.89E-03	<0.20	MMAB (3.8)	CTRL (3.2)	CATSPER2 (2.8)
8.94E-03	<0.20	SIDT2 (3.0)	PLA2G6 (2.8)	DGAT2 (2.4)
9.02E-03	<0.20	DYM (3.1)	HDAC5 (2.9)	MTMR3 (2.4)
9.03E-03	<0.20	BCL3 (5.4)	CCL17 (5.0)	RELB (4.6)
9.04E-03	<0.20	LPL (3.7)	KLF14 (3.3)	LRP4 (3.3)
9.07E-03	<0.20	MAFF (4.7)	RELB (4.4)	FHOD1 (3.9)
9.10E-03	<0.20	LILRB2 (3.2)	ANGPTL4 (2.8)	DOCK6 (2.7)
9.12E-03	<0.20	CD36 (3.8)	LPL (3.5)	ENSG00000226334 (3
9.13E-03	<0.20	BCL3 (3.8)	CCL22 (3.8)	CD40 (3.5)
9.13E-03	<0.20	DGAT2 (7.3)	GPAM (5.2)	C19orf80 (4.7)
9.19E-03	<0.20	ZFAND2A (3.1)	FHOD1 (2.9)	CITED2 (2.7)
9.20E-03	<0.20	LPL (3.7)	ENSG00000226334 (3	NR1H3 (3.1)
9.22E-03	<0.20	PLG (5.0)	F2 (5.0)	APOA1 (4.9)
9.31E-03	<0.20	MMAB (4.6)	MLXIPL (3.7)	VEGFA (3.6)
9.31E-03	<0.20	CENPT (2.9)	THAP11 (2.8)	E2F4 (2.7)
9.43E-03	<0.20	BCL3 (4.1)	PGS1 (3.9)	ABCA1 (3.7)
9.46E-03	<0.20	TTC39B (2.4)	HDAC5 (2.3)	PDE3A (2.3)
9.48E-03	<0.20	B3GNT9 (2.8)	TMEM175 (2.8)	ZFAND2A (2.7)

9.63E-03	<0.20	APOA1 (6.9)	APOB (6.7)	F2 (6.0)
9.69E-03	<0.20	NR1H3 (2.9)	APOA4 (2.7)	ENSG00000255507 (2
9.70E-03	<0.20	SCARB1 (3.1)	CD300LG (2.7)	SNX10 (2.5)
9.73E-03	<0.20	EPB42 (13.9)	RANBP10 (7.8)	SEC14L4 (4.0)
9.75E-03	<0.20	CDK12 (3.5)	FHOD1 (3.1)	TBKBP1 (2.8)
9.77E-03	<0.20	MAFF (4.7)	RELB (4.3)	TRIB1 (3.9)
9.77E-03	<0.20	MAFF (4.7)	RELB (4.3)	TRIB1 (3.9)
9.77E-03	<0.20	MAFF (4.7)	RELB (4.3)	TRIB1 (3.9)
9.81E-03	<0.20	MAFF (4.7)	PPY (4.4)	ANGPTL4 (4.0)
9.82E-03	<0.20	COBLL1 (2.9)	PPP1R1B (2.7)	MST1R (2.5)
9.91E-03	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
9.91E-03	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
9.91E-03	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
9.93E-03	<0.20	APOA4 (5.4)	APOC3 (5.1)	APOB (4.4)
0.01	<0.20	ENSG00000181123 (3	CD300LG (2.7)	OR5I1 (2.5)
0.01	<0.20	F2 (8.1)	LIPC (7.4)	APOB (6.9)
0.01	<0.20	PYY (6.2)	PPY (5.2)	CD300LG (3.9)
0.01	<0.20	PTPRJ (2.6)	FHOD1 (2.6)	CMIP (2.4)
0.01	<0.20	TAGLN (4.3)	APOE (3.1)	C17orf57 (3.1)
0.01	<0.20	CDK12 (4.5)	ARID1A (4.4)	MTMR3 (3.7)
0.01	<0.20	SPI1 (4.0)	BCL3 (3.8)	CCL17 (3.5)
0.01	<0.20	APOA4 (6.6)	APOB (6.0)	APOA1 (5.8)
0.01	<0.20	F2 (6.7)	APOC3 (5.9)	APOB (5.9)
0.01	<0.20	ZNF350 (3.1)	DR1 (3.0)	NFATC3 (2.8)
0.01	<0.20	RAB11B (3.3)	JMJD1C (2.9)	RELB (2.7)
0.01	<0.20	GRB7 (5.2)	PGAP3 (3.9)	CDK12 (3.4)
0.01	<0.20	APOA4 (6.1)	APOC3 (4.9)	APOB (4.8)
0.01	<0.20	PLG (5.5)	SLC22A1 (4.9)	APOA5 (4.8)
0.01	<0.20	SETD8 (3.9)	PPP1R1B (2.5)	DUSP3 (2.5)
0.01	<0.20	TRIB1 (6.4)	HERPUD1 (6.0)	MAFF (5.3)
0.01	<0.20	CLPTM1 (4.4)	G6PC3 (4.3)	TMED5 (4.3)
0.01	<0.20	AMBRA1 (3.3)	KPNB1 (2.9)	ARID1A (2.5)
0.01	<0.20	LRP4 (3.2)	BACE1 (3.2)	PLTP (2.9)
0.01	<0.20	CCL17 (3.9)	CCL22 (3.9)	BCL3 (3.6)
0.01	<0.20	RLTPR (2.9)	RBPJ (2.8)	LILRB2 (2.5)
0.01	<0.20	ARID1A (4.6)	PCIF1 (3.5)	MED1 (3.1)
0.01	<0.20	LPL (3.5)	MAFF (2.8)	CD36 (2.6)
0.01	<0.20	BCL3 (3.8)	PGS1 (3.7)	CD40 (3.6)
0.01	<0.20	LPL (5.2)	CD36 (4.6)	GPAM (4.3)
0.01	<0.20	MMAB (4.4)	PDHB (3.7)	ACAA2 (3.7)
0.01	<0.20	APOA1 (6.4)	APOB (5.8)	APOC3 (4.5)
0.01	<0.20	ZNF350 (2.6)	PPP1R1B (2.3)	PCIF1 (2.3)
0.01	<0.20	LPA (3.3)	C19orf80 (2.9)	DYM (2.8)
0.01	<0.20	LPA (3.3)	C19orf80 (2.9)	DYM (2.8)
0.01	<0.20	LIPC (5.4)	APOB (5.2)	F2 (5.0)
0.01	<0.20	MTMR3 (3.5)	GRB7 (3.3)	MVK (2.7)
0.01	<0.20	PLG (4.6)	SLC22A1 (4.1)	APOC4 (4.1)
0.01	<0.20	ARID1A (3.5)	ETV5 (3.2)	TRIB1 (3.2)
0.01	<0.20	GPIHBP1 (3.9)	EXOC3L1 (3.5)	DOCK6 (3.0)
0.01	<0.20	LPA (3.5)	C19orf80 (3.0)	DYM (2.8)

0.01	<0.20	BCAM (4.4)	HCAR1 (3.6)	SLC12A3 (3.4)
0.01	<0.20	ARID1A (4.5)	PCIF1 (3.3)	MFAP1 (3.1)
0.01	<0.20	ACAA2 (4.9)	ABHD6 (4.4)	PLA2G6 (3.3)
0.01	<0.20	C1orf172 (3.8)	ESRP2 (3.1)	MYO1H (3.1)
0.01	<0.20	PPY (7.5)	MLXIPL (4.5)	GPAM (3.3)
0.01	<0.20	LPA (8.2)	APOC4 (7.6)	APOA5 (6.3)
0.01	<0.20	FPR3 (7.4)	LILRB2 (4.8)	OASL (3.5)
0.01	<0.20	FPR3 (7.4)	LILRB2 (4.8)	OASL (3.5)
0.01	<0.20	APOA5 (5.2)	PLG (4.9)	SLC22A1 (4.2)
0.01	<0.20	APOA5 (5.2)	PLG (4.9)	SLC22A1 (4.2)
0.01	<0.20	APOA1 (3.8)	CPS1 (3.7)	APOC3 (3.2)
0.01	<0.20	RELB (4.1)	MAFF (4.0)	TRIB1 (3.5)
0.01	<0.20	POLR2C (5.4)	KCTD6 (3.5)	THAP11 (3.4)
0.01	<0.20	F2 (7.6)	LIPC (6.7)	APOC3 (6.5)
0.01	<0.20	SEC14L4 (6.1)	CES4A (4.7)	TECTB (2.9)
0.01	<0.20	CETP (4.2)	PNMT (4.1)	CD300LG (3.2)
0.01	<0.20	ENSG00000247445 (4	OR5L2 (3.5)	ENSG00000181123 (3
0.01	<0.20	BCL3 (4.9)	RELB (4.3)	TRIB1 (4.3)
0.01	<0.20	MT1H (2.8)	MT1G (2.2)	SMPD3 (2.2)
0.01	<0.20	TAGLN (3.2)	SPG11 (2.8)	TP53BP1 (2.7)
0.01	<0.20	CCL22 (3.5)	BCL3 (3.3)	CCL17 (3.1)
0.01	<0.20	MTMR3 (3.6)	MED1 (3.5)	TRIB1 (3.5)
0.01	<0.20	C19orf80 (2.7)	NR0B2 (2.7)	GPAM (2.7)
0.01	<0.20	ZNF350 (3.4)	CXXC1 (3.2)	ZNF615 (2.6)
0.01	<0.20	TMEM208 (3.8)	FADS1 (3.6)	FADS2 (3.4)
0.01	<0.20	TBL2 (2.8)	MT1X (2.6)	NPEPPS (2.5)
0.01	<0.20	MBD1 (4.0)	CYP26A1 (3.1)	DYM (2.8)
0.01	<0.20	ACAA2 (5.7)	ABHD6 (3.9)	PLA2G6 (2.9)
0.01	<0.20	ARID1A (3.7)	KPNB1 (3.1)	SKA1 (2.7)
0.01	<0.20	COQ9 (5.1)	PDHB (4.9)	VEGFA (3.9)
0.01	<0.20	UBE3B (3.8)	DYM (3.1)	NPEPPS (2.7)
0.01	<0.20	CCL22 (5.6)	CCL17 (5.6)	CD40 (4.9)
0.01	<0.20	UBE3B (3.7)	MPHOSPH9 (3.3)	PACSIN3 (2.9)
0.01	<0.20	CPS1 (4.7)	TAGLN (4.1)	PLG (4.0)
0.01	<0.20	PGS1 (3.5)	C12orf65 (3.0)	XKR8 (2.7)
0.01	<0.20	ANGPTL4 (4.6)	VEGFA (3.7)	GPR146 (3.4)
0.01	<0.20	PLG (4.9)	APOA5 (3.7)	HNF4A (3.6)
0.01	<0.20	SLC22A1 (4.1)	ENSG00000236267 (3	LPA (3.7)
0.01	<0.20	VEGFA (3.1)	GPR146 (3.0)	DUSP3 (2.9)
0.01	<0.20	MAFF (4.7)	RELB (4.4)	FHOD1 (3.8)
0.01	<0.20	PDIA3 (8.4)	SDF2L1 (8.1)	TBL2 (4.4)
0.01	<0.20	LCAT (3.9)	ENSG00000254235 (3	ENSG00000182109 (2
0.01	<0.20	MED1 (3.6)	AFF1 (3.3)	MPHOSPH9 (3.1)
0.01	<0.20	SCARB1 (4.3)	MAFF (3.3)	FRMD5 (2.8)
0.01	<0.20	HERPUD1 (2.8)	ZFAND2A (2.5)	CITED2 (2.4)
0.01	<0.20	CTRL (5.5)	FADS1 (4.7)	MT1M (3.1)
0.01	<0.20	MMAB (4.8)	FADS2 (4.7)	FADS1 (4.6)
0.01	<0.20	RELB (6.8)	MAFF (5.0)	ZDHHC18 (4.7)
0.01	<0.20	PNMT (3.3)	EYA3 (3.2)	GRB7 (3.1)
0.01	<0.20	ANGPTL4 (3.7)	GPIHBP1 (3.7)	VEGFA (3.3)

0.01 <0.20	PPY (2.9)	PTPRZ1 (2.7)	TRPS1 (2.6)
0.01 <0.20	JMJD1C (4.5)	MTMR3 (3.8)	MAFF (3.5)
0.01 <0.20	DYM (3.6)	LPA (2.9)	UBE3B (2.5)
0.01 <0.20	TGM5 (4.5)	SFN (4.0)	CES4A (3.1)
0.01 <0.20	TAGLN (4.3)	ANGPTL4 (2.8)	CYP26A1 (2.7)
0.01 <0.20	GFOD2 (2.9)	NCOA5 (2.8)	THAP11 (2.8)
0.01 <0.20	PPY (10.8)	PYY (6.5)	HNF4A (4.8)
0.01 <0.20	LILRB2 (5.0)	LILRA3 (4.8)	LPA (3.8)
0.01 <0.20	TBL2 (4.0)	HERPUD1 (3.4)	ATG13 (3.1)
0.01 <0.20	F2 (5.9)	PLG (5.5)	LIPC (5.0)
0.01 <0.20	SPI1 (4.1)	PSMB10 (3.7)	FPR3 (3.0)
0.01 <0.20	APOA1 (7.4)	APOB (6.8)	F2 (6.8)
0.01 <0.20	F2 (5.8)	PLG (5.4)	LIPC (5.4)
0.01 <0.20	PNMT (3.2)	SCARB1 (2.6)	CD36 (2.5)
0.01 <0.20	HERPUD1 (2.8)	CITED2 (2.7)	ZFAND2A (2.5)
0.01 <0.20	RELB (4.7)	MAFF (4.5)	FHOD1 (3.9)
0.01 <0.20	C17orf57 (3.7)	BACE1 (3.5)	SPI1 (3.3)
0.01 <0.20	DOCK6 (5.3)	EXOC3L1 (3.6)	B3GNT9 (3.6)
0.01 <0.20	LILRA3 (3.9)	LILRB2 (3.6)	DPEP2 (2.5)
0.01 <0.20	GLUL (3.1)	EPB42 (2.7)	LIPG (2.4)
0.01 <0.20	SPI1 (4.0)	LILRB2 (3.4)	ACAA2 (3.2)
0.01 <0.20	ZNF335 (3.3)	CCDC92 (2.6)	PLA2G6 (2.4)
0.01 <0.20	TGM5 (3.4)	SEC14L4 (2.7)	TTC39B (2.5)
0.01 <0.20	PPY (3.8)	KLF14 (3.5)	OR5L2 (2.8)
0.01 <0.20	MAFF (4.3)	RELB (4.2)	TRIB1 (3.7)
0.01 <0.20	CCL22 (4.0)	PGS1 (3.9)	BCL3 (3.7)
0.01 <0.20	ARFGAP2 (3.0)	RBPJ (2.4)	RAB11B (2.2)
0.01 <0.20	ARID1A (4.6)	MBD1 (4.4)	RBM5 (4.4)
0.01 <0.20	ACAA2 (5.1)	SEC14L4 (4.8)	COQ9 (4.2)
0.01 <0.20	RELB (4.0)	CETP (3.2)	BCL3 (3.1)
0.01 <0.20	FZD9 (4.0)	SLC39A13 (3.5)	RSPO3 (2.9)
0.01 <0.20	PGAP3 (2.9)	CCNDBP1 (2.7)	ZFAND2A (2.6)
0.01 <0.20	MAFF (4.2)	RELB (4.2)	TRIB1 (3.7)
0.01 <0.20	MAFF (4.2)	RELB (4.2)	TRIB1 (3.7)
0.01 <0.20	PLG (5.9)	LILRA3 (5.4)	APOC4 (5.2)
0.01 <0.20	TMEM101 (3.6)	TMEM62 (3.1)	ABHD6 (3.1)
0.01 <0.20	ACAA2 (3.1)	NPEPPS (3.1)	DPEP2 (3.0)
0.01 <0.20	MLXIPL (3.1)	GPAM (2.9)	ZNF613 (2.8)
0.01 <0.20	MVK (15.0)	MMAB (14.3)	FADS1 (13.1)
0.01 <0.20	ANGPTL4 (4.8)	GPAM (4.5)	LPL (4.3)
0.01 <0.20	C1orf172 (4.2)	ESRP2 (4.1)	ELMO3 (3.2)
0.01 <0.20	SPI1 (4.5)	BCL3 (4.3)	LILRB2 (3.1)
0.01 <0.20	SETD8 (3.4)	RAB11B (3.1)	SIK3 (2.6)
0.01 <0.20	DOCK6 (4.7)	KANK2 (3.5)	TAGLN (3.5)
0.01 <0.20	MFAP1 (3.1)	RNF214 (2.7)	AMFR (2.7)
0.01 <0.20	VEGFA (4.2)	TAGLN (3.4)	PVRL2 (3.2)
0.01 <0.20	GRB7 (4.7)	ELMO3 (4.2)	LPA (3.8)
0.01 <0.20	F2 (7.2)	PLG (7.2)	LIPC (6.0)
0.01 <0.20	APOC1 (3.7)	APOA5 (3.6)	F2 (3.4)
0.01 <0.20	SNX13 (2.7)	CLPTM1 (2.6)	MACF1 (2.5)

0.01	<0.20	MT1G (5.7)	MT1F (5.3)	MT1X (5.1)
0.01	<0.20	PPY (3.6)	HCAR1 (3.2)	ENSG00000181123 (2
0.01	<0.20	TECTB (4.6)	ZNF615 (3.6)	ZNF350 (2.7)
0.01	<0.20	PDIA3 (6.2)	SDF2L1 (5.5)	PLTP (3.5)
0.01	<0.20	PDIA3 (6.2)	SDF2L1 (5.5)	PLTP (3.5)
0.01	<0.20	ACAA2 (4.0)	ZNF350 (3.2)	ABHD6 (2.8)
0.01	<0.20	PITPNM2 (3.8)	CCDC92 (3.8)	PDE3A (3.2)
0.01	<0.20	NFATC3 (3.4)	PGAP3 (3.3)	CDK12 (3.1)
0.01	<0.20	ATG13 (3.7)	PSMC3 (3.2)	ARFGAP2 (3.1)
0.01	<0.20	ACAA2 (5.1)	LPA (3.8)	LCAT (3.4)
0.01	<0.20	ACAA2 (5.1)	LPA (3.8)	LCAT (3.4)
0.01	<0.20	BCL3 (4.8)	RELB (4.0)	CD40 (4.0)
0.01	<0.20	MED1 (4.6)	RNF214 (3.9)	CDK12 (3.9)
0.01	<0.20	FNBP4 (3.9)	ETV5 (3.2)	TP53BP1 (3.0)
0.01	<0.20	DOCK6 (4.2)	SFN (3.7)	DOK4 (2.9)
0.01	<0.20	SPI1 (4.9)	LILRB2 (4.0)	FPR3 (3.3)
0.01	<0.20	CD300LG (3.6)	GPIHBP1 (3.6)	ANGPTL4 (3.0)
0.01	<0.20	MYBPC3 (6.6)	DOK4 (3.8)	FRMD5 (3.8)
0.01	<0.20	APOA1 (3.3)	APOB (3.2)	HCAR1 (3.1)
0.01	<0.20	TMED5 (3.2)	PGS1 (2.9)	ZNF615 (2.7)
0.01	<0.20	EPB42 (5.3)	RANBP10 (4.6)	GPR146 (3.4)
0.01	<0.20	APOE (5.4)	PLTP (4.8)	FPR3 (3.2)
0.01	<0.20	CCL22 (3.6)	FPR3 (3.6)	LPL (3.2)
0.02	<0.20	EPB42 (3.4)	ENSG00000226334 (2	KLF14 (2.2)
0.02	<0.20	KLF14 (4.1)	AFF1 (2.5)	MYO1H (2.3)
0.02	<0.20	VEGFA (4.5)	PDIA3 (4.4)	HERPUD1 (3.5)
0.02	<0.20	C17orf57 (4.4)	SPRYD5 (4.3)	APOA4 (4.3)
0.02	<0.20	TRIB1 (2.4)	ENSG00000256746 (2	TRPS1 (2.2)
0.02	<0.20	LSM12 (2.9)	APOE (2.5)	NUTF2 (2.5)
0.02	<0.20	CCL22 (4.5)	CCL17 (3.6)	CD40 (3.6)
0.02	<0.20	BCL3 (3.4)	RAB11B (3.4)	RELB (3.2)
0.02	<0.20	C19orf80 (3.3)	LIPC (3.0)	APOA5 (2.9)
0.02	<0.20	PDE3A (3.5)	ENSG00000181123 (3	CPS1 (3.2)
0.02	<0.20	MT1G (12.3)	MT1X (10.9)	MT1M (8.7)
0.02	<0.20	CCL22 (4.3)	CCL17 (4.0)	CD40 (3.8)
0.02	<0.20	SPI1 (3.4)	LILRB2 (2.6)	HDAC5 (2.6)
0.02	<0.20	BUD13 (3.7)	NCOA5 (2.7)	CXXC1 (2.6)
0.02	<0.20	CYP26A1 (3.9)	ETV5 (3.1)	RSPO3 (2.8)
0.02	<0.20	CSGALNACT1 (3.3)	LPL (2.8)	SLC39A13 (2.6)
0.02	<0.20	DOCK6 (4.7)	GPIHBP1 (4.4)	EXOC3L1 (4.3)
0.02	<0.20	F2 (6.4)	PLG (6.3)	LIPC (5.9)
0.02	<0.20	CTRL (13.3)	PPY (4.5)	SPRYD5 (2.8)
0.02	<0.20	CD300LG (3.9)	FADS2 (3.5)	VEGFA (2.8)
0.02	<0.20	UVRAG (3.7)	ZNF335 (2.8)	BCL7B (2.7)
0.02	<0.20	PDE3A (4.1)	GPIHBP1 (3.2)	EXOC3L1 (2.9)
0.02	<0.20	JMJD1C (3.0)	REEP3 (2.9)	RBPJ (2.6)
0.02	<0.20	CCL22 (5.5)	CCL17 (5.4)	CD40 (4.4)
0.02	<0.20	PYY (3.5)	ABCA8 (3.3)	SPRYD5 (2.8)
0.02	<0.20	CTRL (15.0)	PPY (5.5)	SPRYD5 (2.9)
0.02	<0.20	B3GNT9 (4.8)	SLC39A13 (3.3)	TAGLN (3.2)

0.02	<0.20	MED1 (4.6)	CDK12 (4.3)	PGAP3 (4.2)
0.02	<0.20	PDHB (6.2)	FADS2 (5.1)	MMAB (5.0)
0.02	<0.20	LILRB2 (3.5)	RELB (3.4)	CD40 (3.3)
0.02	<0.20	EPB42 (5.0)	PGS1 (4.5)	BCL3 (3.5)
0.02	<0.20	CCL22 (4.1)	CD40 (3.6)	BCL3 (3.3)
0.02	<0.20	SLC12A3 (5.0)	TAGLN (3.9)	HNF4A (3.7)
0.02	<0.20	PAFAH1B2 (3.4)	CSGALNACT1 (3.2)	KLHL8 (2.3)
0.02	<0.20	PDE3A (4.2)	ANGPTL4 (3.4)	SLC12A3 (2.7)
0.02	<0.20	LILRA3 (2.9)	NEUROD2 (2.8)	PYY (2.7)
0.02	<0.20	PLA2G15 (7.0)	ACP2 (3.7)	DUSP3 (3.4)
0.02	<0.20	RLTPR (3.8)	BCL3 (3.7)	ABCA1 (3.7)
0.02	<0.20	FPR3 (4.8)	LILRB2 (3.4)	SPI1 (3.0)
0.02	<0.20	COBLL1 (4.1)	ZNF335 (3.0)	JMJD1C (2.8)
0.02	<0.20	EPB42 (3.6)	AFF1 (2.3)	E2F4 (2.3)
0.02	<0.20	HDAC5 (4.0)	MTMR3 (3.6)	TNKS (3.2)
0.02	<0.20	NAGS (3.5)	PYY (3.4)	ENSG00000181123 (3
0.02	<0.20	RELB (5.7)	BCL3 (3.5)	RBPJ (3.3)
0.02	<0.20	LPL (6.6)	CD36 (6.0)	DGAT2 (4.6)
0.02	<0.20	BCL3 (5.0)	CCL17 (4.4)	CCL22 (3.9)
0.02	<0.20	GRB7 (3.8)	ENSG00000255507 (3	HNF4A (3.4)
0.02	<0.20	PLA2G15 (4.2)	NR1H3 (3.4)	DPEP2 (3.3)
0.02	<0.20	SNX13 (3.9)	FAM192A (3.1)	ACP2 (3.1)
0.02	<0.20	SLC12A4 (3.0)	MAFF (2.6)	CCL17 (2.2)
0.02	<0.20	LRP4 (4.5)	TRPS1 (3.9)	FZD9 (3.6)
0.02	<0.20	APOE (5.3)	F2 (4.7)	LIPC (3.8)
0.02	<0.20	SPI1 (5.1)	LILRB2 (4.9)	SNX10 (4.5)
0.02	<0.20	DOCK6 (3.2)	PVRL2 (3.2)	KIAA0754 (3.0)
0.02	<0.20	RSPO3 (3.2)	GPIHBP1 (3.1)	C16orf86 (3.0)
0.02	<0.20	CLPTM1 (3.5)	AMBRA1 (3.3)	FADS1 (3.3)
0.02	<0.20	CLPTM1 (3.5)	AMBRA1 (3.3)	FADS1 (3.3)
0.02	<0.20	APOB (7.0)	APOA1 (6.5)	F2 (6.2)
0.02	<0.20	OASL (5.3)	LILRA3 (3.8)	LILRB2 (3.7)
0.02	<0.20	ACAA2 (3.8)	ZNF615 (3.7)	MYO1H (3.2)
0.02	<0.20	FPR3 (6.1)	ANGPTL4 (5.1)	CSGALNACT1 (4.3)
0.02	<0.20	GLUL (2.3)	SNX13 (2.3)	PYY (2.2)
0.02	<0.20	SNORD58C (3.9)	OGFOD1 (3.4)	EDC4 (3.3)
0.02	<0.20	BCL3 (6.0)	RELB (5.6)	ZDHHC18 (3.3)
0.02	<0.20	ENSG00000247445 (3	AFF1 (2.5)	OR4A21P (2.4)
0.02	<0.20	PYY (3.9)	LILRA3 (3.7)	LILRB2 (3.3)
0.02	<0.20	PLA2G15 (4.4)	ENSG00000247445 (3	DPEP2 (3.4)
0.02	<0.20	NR0B2 (3.4)	OR5J2 (2.9)	NAGS (2.9)
0.02	<0.20	PCSK7 (2.8)	COX19 (2.7)	BUD13 (2.5)
0.02	<0.20	CDK12 (4.8)	TRIB1 (4.8)	PGAP3 (4.8)
0.02	<0.20	NUDT21 (3.9)	CTDSPL2 (3.7)	EDC4 (3.4)
0.02	<0.20	CCL22 (4.7)	CCL17 (3.8)	CD40 (3.5)
0.02	<0.20	MYBPC3 (5.8)	VEGFA (4.0)	PDE3A (3.5)
0.02	<0.20	VEGFA (3.0)	NPEPPS (2.9)	REEP3 (2.8)
0.02	<0.20	SPI1 (4.0)	BCL3 (3.7)	GPR146 (3.3)
0.02	<0.20	LPA (4.3)	LIPC (4.2)	NAGS (3.8)
0.02	<0.20	LPA (4.3)	LIPC (4.2)	NAGS (3.8)

0.02	<0.20	ETV5 (6.3)	DR1 (2.8)	MAFF (2.7)
0.02	<0.20	MBD1 (5.0)	SNORD58C (4.3)	C18orf32 (3.5)
0.02	<0.20	ACAA2 (6.2)	ABHD6 (3.4)	ANGPTL4 (3.1)
0.02	<0.20	COQ9 (6.7)	PDHB (5.5)	ACAA2 (5.1)
0.02	<0.20	LILRB2 (6.9)	LILRA3 (4.6)	PLA2G15 (4.6)
0.02	<0.20	INTS10 (3.4)	C16orf70 (2.8)	THAP11 (2.8)
0.02	<0.20	AFF1 (2.9)	AMBRA1 (2.9)	MLXIPL (2.9)
0.02	<0.20	SLC22A1 (6.2)	LPA (4.8)	APOC4 (4.3)
0.02	<0.20	LPA (7.0)	APOC4 (4.6)	SLC22A1 (4.5)
0.02	<0.20	ENSG00000247445 (3	ST3GAL4 (2.8)	LIPC (2.8)
0.02	<0.20	ETV5 (3.6)	TRIB1 (3.1)	TRPS1 (2.8)
0.02	<0.20	MYBPC3 (3.4)	TCAP (3.2)	PDE3A (2.6)
0.02	<0.20	APOC4 (5.1)	PLG (5.1)	LIPC (4.5)
0.02	<0.20	TAGLN (3.4)	MBD1 (3.0)	SLC39A13 (2.8)
0.02	<0.20	RBM5 (4.1)	RNF214 (3.7)	SNX13 (3.7)
0.02	<0.20	SPI1 (5.0)	LILRB2 (4.4)	CCL22 (3.9)
0.02	<0.20	PDIA3 (5.4)	PSMC3 (4.9)	SDF2L1 (4.3)
0.02	<0.20	KLHL8 (2.4)	LPA (2.3)	GPAM (2.3)
0.02	<0.20	TRIB1 (5.2)	MAFF (4.3)	SPI1 (4.1)
0.02	<0.20	DOCK6 (5.4)	EXOC3L1 (5.3)	VEGFA (2.8)
0.02	<0.20	RELB (5.2)	BCL3 (4.3)	FHOD1 (3.4)
0.02	<0.20	RELB (4.6)	OASL (4.4)	MAFF (4.3)
0.02	<0.20	RELB (4.6)	OASL (4.4)	MAFF (4.3)
0.02	<0.20	CASC4 (2.8)	ARID1A (2.7)	HSF4 (2.7)
0.02	<0.20	NFATC3 (3.6)	ZDHHC18 (3.4)	LILRB2 (3.0)
0.02	<0.20	CCL22 (4.2)	CCL17 (3.9)	CD40 (3.7)
0.02	<0.20	CCL22 (4.0)	CCL17 (2.9)	HERPUD1 (2.9)
0.02	<0.20	SPG11 (2.7)	TNKS (2.5)	VEGFA (2.4)
0.02	<0.20	AFF1 (3.6)	CITED2 (2.7)	KANK2 (2.4)
0.02	<0.20	RSPRY1 (3.3)	TTBK2 (3.1)	CMIP (3.1)
0.02	<0.20	SLC12A3 (7.2)	PLG (3.2)	HNF4A (2.5)
0.02	<0.20	LIPG (3.0)	TBL2 (2.7)	ARID1A (2.5)
0.02	<0.20	SNX13 (3.7)	MIEN1 (3.7)	ABHD6 (3.0)
0.02	<0.20	EPB42 (3.6)	NFATC3 (3.0)	TTC39B (2.6)
0.02	<0.20	DDB2 (3.4)	MT1E (3.2)	MT1G (3.1)
0.02	<0.20	HDAC5 (2.8)	SNX13 (2.6)	ZNF335 (2.6)
0.02	<0.20	NUP160 (3.0)	EDC4 (2.9)	PPY (2.7)
0.02	<0.20	CETP (4.0)	NR1H3 (4.0)	FPR3 (3.6)
0.02	<0.20	MIEN1 (3.7)	SNX13 (3.7)	DUSP3 (3.0)
0.02	<0.20	DOCK6 (4.3)	GPIHBP1 (4.3)	EXOC3L1 (4.1)
0.02	<0.20	TAGLN (4.4)	APOC4 (4.2)	PLG (3.7)
0.02	<0.20	ETV5 (3.5)	MADD (3.0)	TRIB1 (2.9)
0.02	<0.20	RELB (5.3)	CD40 (4.6)	MAFF (4.4)
0.02	<0.20	ETV5 (3.3)	BCAM (2.8)	GALNT2 (2.7)
0.02	<0.20	ANGPTL4 (3.9)	VEGFA (3.9)	DOK4 (3.5)
0.02	<0.20	SCARB1 (3.2)	ACAA2 (3.1)	PNMT (2.7)
0.02	<0.20	APOE (5.1)	APOC4 (4.7)	SLC22A1 (4.6)
0.02	<0.20	CMIP (3.2)	SETD8 (3.2)	ZNF664 (3.1)
0.02	<0.20	TRPS1 (3.5)	LRP4 (3.0)	PPP1R1B (2.9)
0.02	<0.20	CDK12 (4.4)	GRB7 (4.3)	ETV5 (4.1)

0.02	<0.20	LRP4 (4.0)	PTPRZ1 (3.3)	TECTB (3.2)
0.02	<0.20	CCL22 (3.8)	FPR3 (3.2)	ZDHHC18 (2.9)
0.02	<0.20	GNAO1 (3.4)	DGKG (3.3)	PITPNM2 (3.0)
0.02	<0.20	RBPJ (3.8)	MAFF (2.9)	TRIB1 (2.8)
0.02	<0.20	FNBP4 (4.3)	RBM6 (2.8)	CCDC18 (2.7)
0.02	<0.20	APOC4 (4.9)	APOA5 (4.4)	CPS1 (4.2)
0.02	<0.20	VEGFA (3.4)	SLC12A4 (3.1)	ANGPTL4 (3.0)
0.02	<0.20	PTPRJ (2.4)	FHOD1 (2.2)	CPNE2 (2.2)
0.02	<0.20	RELB (4.3)	BCL3 (3.5)	ZDHHC18 (3.3)
0.02	<0.20	SDF2L1 (9.2)	HERPUD1 (7.1)	PDIA3 (6.0)
0.02	<0.20	CYP26A1 (3.4)	APOA1 (3.1)	DNAH10 (3.0)
0.02	<0.20	EXOC3L1 (4.7)	RSPO3 (3.2)	DOCK6 (2.7)
0.02	<0.20	TAGLN (4.4)	LPL (3.3)	APOE (3.0)
0.02	<0.20	DYM (3.2)	C16orf70 (3.0)	UVRAG (2.7)
0.02	<0.20	SLC12A3 (4.0)	VEGFA (3.1)	HNF4A (2.4)
0.02	<0.20	SKA1 (4.5)	DEPDC1 (4.3)	CCDC18 (4.0)
0.02	<0.20	CX3CL1 (2.8)	PVRL2 (2.6)	FPR3 (2.3)
0.02	<0.20	MYO1H (3.2)	CATSPER2 (3.0)	LILRB2 (2.9)
0.02	<0.20	THAP11 (3.4)	ELMO3 (3.1)	DOK4 (2.7)
0.02	<0.20	FZD9 (5.0)	MT1M (3.3)	CSGALNACT1 (3.3)
0.02	<0.20	PDHB (5.9)	ACAA2 (5.1)	MMAB (4.3)
0.02	<0.20	MMAB (4.0)	ACAA2 (3.7)	SEC14L4 (3.4)
0.02	<0.20	SPI1 (5.2)	LILRB2 (4.4)	FPR3 (3.3)
0.02	<0.20	FADS2 (5.8)	FADS1 (5.4)	MVK (5.1)
0.02	<0.20	APOC3 (5.2)	F2 (4.8)	APOB (4.6)
0.02	<0.20	FZD9 (4.4)	TRPS1 (4.0)	SLC39A13 (3.1)
0.02	<0.20	JMJD1C (2.3)	BCL3 (2.2)	MTMR3 (2.1)
0.02	<0.20	F2 (7.3)	APOC3 (6.5)	LIPC (6.5)
0.02	<0.20	BCAM (3.8)	KANK2 (3.4)	GALNT2 (3.2)
0.02	<0.20	EPB42 (13.9)	RANBP10 (6.9)	SEC14L4 (4.2)
0.02	<0.20	OR5J2 (2.7)	DNAH10 (2.4)	MYO1H (2.4)
0.02	<0.20	ETV5 (4.0)	PXK (3.3)	LRP4 (3.0)
0.02	<0.20	TRIB1 (3.9)	THAP11 (3.7)	CBFB (3.6)
0.02	<0.20	C1orf172 (3.8)	BCL7B (3.8)	MST1R (3.5)
0.02	<0.20	GRB7 (4.7)	SFN (4.7)	PGAP3 (3.0)
0.02	<0.20	FADS2 (10.3)	FADS1 (9.9)	MMAB (5.9)
0.02	<0.20	OASL (3.1)	LILRB2 (3.0)	LILRA3 (2.9)
0.02	<0.20	EXOC3L1 (4.3)	EPB42 (3.7)	FHOD1 (3.5)
0.02	<0.20	CD300LG (3.7)	GPIHBP1 (3.6)	LILRA3 (2.9)
0.02	<0.20	CSGALNACT1 (3.1)	CELF1 (3.1)	HDAC5 (2.5)
0.02	<0.20	CD36 (4.6)	GPIHBP1 (4.2)	PDE3A (3.1)
0.02	<0.20	PDHB (3.8)	PPIP5K1 (3.3)	ARFGAP2 (3.1)
0.02	<0.20	SFN (3.2)	C1orf172 (3.0)	ELMO3 (3.0)
0.02	<0.20	CTRL (5.9)	APOA4 (4.5)	NAGS (3.8)
0.02	<0.20	BCAM (3.8)	CYP26A1 (2.9)	SLC7A6 (2.5)
0.02	<0.20	EPB42 (4.6)	CETP (4.5)	NR0B2 (2.5)
0.02	<0.20	PLA2G15 (5.6)	SIDT2 (3.5)	ACP2 (3.4)
0.02	<0.20	APOE (5.9)	F2 (5.2)	LIPC (5.1)
0.02	<0.20	HARBI1 (3.1)	ENSG00000236267 (3	LCAT (2.6)
0.02	<0.20	F2 (5.8)	PLG (5.6)	APOB (5.2)

0.02	<0.20	PGS1 (3.0)	DNAH10 (2.5)	CCL17 (2.4)
0.02	<0.20	TECTB (3.3)	ENSG00000181123 (3	SMPD3 (2.6)
0.02	<0.20	EPB42 (14.4)	RANBP10 (6.1)	SEC14L4 (3.9)
0.02	<0.20	CCL22 (4.3)	CD40 (3.6)	CCL17 (3.2)
0.02	<0.20	ANGPTL4 (4.2)	FPR3 (3.9)	TRPS1 (3.6)
0.02	<0.20	CCL22 (3.9)	CCL17 (3.7)	CD40 (3.5)
0.02	<0.20	EPB42 (11.1)	RANBP10 (3.8)	DPEP2 (2.5)
0.02	<0.20	CD36 (4.6)	DGAT2 (4.1)	HCAR1 (3.2)
0.02	<0.20	PSKH1 (4.8)	CELF1 (4.4)	EYA3 (3.8)
0.02	<0.20	ZNF335 (2.4)	PCIF1 (2.2)	PITPNM2 (2.1)
0.02	<0.20	MPP3 (3.8)	ENSG00000247867 (3	PCSK7 (2.6)
0.02	<0.20	TRIB1 (6.2)	MAFF (5.8)	HERPUD1 (4.5)
0.02	<0.20	SLC22A1 (6.0)	APOA5 (5.6)	APOC4 (5.1)
0.02	<0.20	F2 (6.9)	APOB (6.2)	PLG (6.1)
0.02	<0.20	ACAA2 (5.8)	ABHD6 (3.8)	PLA2G6 (2.8)
0.02	<0.20	SPI1 (3.9)	PLA2G15 (3.5)	EPB42 (3.4)
0.02	<0.20	CD40 (4.7)	CCL22 (4.6)	CCL17 (4.3)
0.02	<0.20	GRB7 (4.0)	ERBB2 (3.4)	MYO5B (3.3)
0.02	<0.20	ABCA1 (4.3)	APOC1 (4.2)	NR1H3 (3.8)
0.02	<0.20	CDK12 (4.4)	MED1 (4.1)	MTMR3 (3.8)
0.02	<0.20	G6PC3 (4.1)	MBD1 (3.3)	DYM (2.8)
0.02	<0.20	LILRA3 (4.6)	LILRB2 (3.8)	MAFF (3.2)
0.02	<0.20	TRPS1 (2.3)	FZD9 (2.3)	REEP3 (2.2)
0.02	<0.20	SFN (6.3)	MST1R (3.9)	C1orf172 (3.3)
0.02	<0.20	CDK12 (3.8)	LSM12 (3.4)	FBXL20 (3.4)
0.03	<0.20	LILRA3 (5.4)	CD40 (4.8)	OASL (4.2)
0.03	<0.20	RELB (5.2)	BCL3 (3.5)	AGBL2 (3.0)
0.03	<0.20	OASL (10.2)	PSMB10 (3.2)	BCL3 (3.2)
0.03	<0.20	LPA (6.8)	SLC22A1 (6.7)	APOC4 (5.5)
0.03	<0.20	REEP3 (3.1)	CMIP (3.0)	ABCA1 (2.8)
0.03	<0.20	PLG (3.5)	LPL (3.5)	CSGALNACT1 (3.2)
0.03	<0.20	MT1G (6.8)	MT1F (6.6)	MT1E (6.3)
0.03	<0.20	MAFF (4.7)	SPI1 (3.8)	CCL22 (3.8)
0.03	<0.20	PLG (6.4)	F2 (6.3)	LIPC (5.6)
0.03	<0.20	CX3CL1 (2.7)	LIPG (2.6)	PVRL2 (2.5)
0.03	<0.20	CX3CL1 (3.0)	BCL3 (2.7)	ANGPTL4 (2.5)
0.03	<0.20	SFN (5.6)	BCL3 (5.1)	TGM5 (3.9)
0.03	<0.20	PNMT (3.7)	CES4A (3.1)	PPY (2.7)
0.03	<0.20	MLXIPL (5.2)	APOA4 (5.2)	PPY (3.7)
0.03	<0.20	LILRB2 (4.8)	LILRA3 (4.4)	PSMB10 (4.4)
0.03	<0.20	ARHGAP1 (3.3)	CLPTM1 (3.2)	CELF1 (2.6)
0.03	<0.20	RSPRY1 (3.5)	EPB42 (3.3)	SPI1 (3.2)
0.03	<0.20	PSMB10 (4.7)	FPR3 (4.2)	NLRC5 (4.1)
0.03	<0.20	CCL22 (5.4)	CCL17 (5.0)	BCL3 (4.7)
0.03	<0.20	SPG11 (4.5)	TP53BP1 (3.7)	ZNF259 (3.0)
0.03	<0.20	SCARB1 (3.7)	REEP3 (3.4)	LIPG (3.1)
0.03	<0.20	CCL22 (4.4)	CCL17 (4.4)	BCL3 (4.3)
0.03	<0.20	TMEM208 (3.9)	ERBB2 (3.9)	MIEN1 (3.3)
0.03	<0.20	CCL17 (3.9)	BCL3 (3.7)	CCL22 (3.6)
0.03	<0.20	CD36 (4.0)	LPL (3.2)	GPIHBP1 (3.0)

0.03	>=0.20	TRIB1 (7.8)	HERPUD1 (5.9)	MAFF (5.3)
0.03	>=0.20	UVRAG (5.6)	TNKS (3.5)	MAFF (3.3)
0.03	>=0.20	LPA (3.2)	PLTP (3.1)	SOST (2.9)
0.03	>=0.20	ATG13 (5.6)	ARHGAP1 (4.5)	CLPTM1 (3.8)
0.03	>=0.20	RBPJ (3.0)	ENSG00000256746 (2	MST1R (2.6)
0.03	>=0.20	ARHGAP1 (3.3)	CLPTM1 (3.2)	CELF1 (2.6)
0.03	>=0.20	MMAB (8.6)	MVK (7.8)	FADS2 (7.3)
0.03	>=0.20	FHOD1 (3.2)	KIAA0895L (2.8)	PSKH1 (2.6)
0.03	>=0.20	APOB (7.1)	APOC3 (7.1)	F2 (7.0)
0.03	>=0.20	DGAT2 (4.4)	RELB (4.2)	BCL3 (4.2)
0.03	>=0.20	BCL3 (6.8)	PGS1 (3.9)	NLRC5 (3.3)
0.03	>=0.20	SOST (5.2)	FPR3 (3.8)	CCL17 (3.5)
0.03	>=0.20	PCIF1 (3.8)	ZNF335 (3.7)	LSM12 (3.0)
0.03	>=0.20	SDF2L1 (8.3)	HERPUD1 (6.7)	PDIA3 (5.3)
0.03	>=0.20	CCL22 (5.1)	CCL17 (4.9)	CD40 (4.5)
0.03	>=0.20	TMEM101 (4.2)	COX19 (3.2)	TMEM208 (3.1)
0.03	>=0.20	TMEM101 (4.2)	COX19 (3.2)	TMEM208 (3.1)
0.03	>=0.20	TECTB (3.7)	ENSG00000256746 (2	PYY (2.4)
0.03	>=0.20	HNF4A (3.5)	PGAP3 (3.0)	TRIB1 (2.9)
0.03	>=0.20	CD40 (4.8)	RELB (4.5)	LILRB2 (4.0)
0.03	>=0.20	F2 (6.3)	PLG (6.1)	APOB (5.7)
0.03	>=0.20	MLXIPL (4.6)	KLF14 (4.4)	GPAM (4.1)
0.03	>=0.20	MIEN1 (3.9)	SNX13 (3.5)	C18orf32 (3.5)
0.03	>=0.20	ZFAND2A (3.6)	SDF2L1 (3.5)	ATG13 (3.2)
0.03	>=0.20	CCL22 (3.8)	CETP (3.7)	OASL (3.0)
0.03	>=0.20	GPIHBP1 (5.0)	CD300LG (4.1)	DOCK6 (3.9)
0.03	>=0.20	GPIHBP1 (5.0)	CD300LG (4.1)	DOCK6 (3.9)
0.03	>=0.20	PGS1 (3.5)	GLUL (2.9)	C12orf65 (2.8)
0.03	>=0.20	PGS1 (3.5)	GLUL (2.9)	C12orf65 (2.8)
0.03	>=0.20	SFN (8.2)	C1orf172 (4.6)	ELMO3 (4.1)
0.03	>=0.20	SOST (2.9)	BMP8A (2.8)	TECTB (2.7)
0.03	>=0.20	GPN2 (3.6)	NRBF2 (3.6)	RSPRY1 (3.6)
0.03	>=0.20	CATSPER2 (3.1)	MFAP1 (2.3)	TTBK2 (2.2)
0.03	>=0.20	LRP4 (2.8)	MACF1 (2.6)	PCSK7 (2.5)
0.03	>=0.20	PLA2G15 (7.1)	ACP2 (3.7)	APOE (3.5)
0.03	>=0.20	PLA2G15 (7.1)	ACP2 (3.7)	APOE (3.5)
0.03	>=0.20	PDHB (3.3)	ARFGAP2 (2.7)	COQ9 (2.5)
0.03	>=0.20	FPR3 (6.6)	CCL17 (6.1)	CCL22 (3.8)
0.03	>=0.20	PXK (3.4)	RBPJ (2.8)	MST1R (2.7)
0.03	>=0.20	KCTD6 (3.6)	AFF1 (3.0)	CITED2 (2.8)
0.03	>=0.20	PDHB (3.9)	MTCH2 (3.4)	UBE3B (3.2)
0.03	>=0.20	DPEP2 (3.7)	SPRYD5 (2.9)	CCL22 (2.9)
0.03	>=0.20	NAGS (3.5)	ACAA2 (3.2)	ZNF615 (3.2)
0.03	>=0.20	BCL3 (4.1)	CCL17 (4.0)	CCL22 (4.0)
0.03	>=0.20	COQ9 (6.7)	PDHB (5.5)	NDUFS3 (5.2)
0.03	>=0.20	BCL3 (4.4)	CCL17 (3.8)	CCL22 (3.5)
0.03	>=0.20	MVK (4.5)	MMAB (3.9)	TMEM175 (3.6)
0.03	>=0.20	MED1 (2.8)	ZSCAN29 (2.7)	OR5J2 (2.4)
0.03	>=0.20	CCL22 (4.4)	BCL3 (4.0)	CD40 (3.8)
0.03	>=0.20	B3GNT9 (4.7)	TAGLN (4.7)	PLTP (4.0)

0.03	>=0.20	MVK (13.9)	MMAB (11.9)	FADS1 (10.7)
0.03	>=0.20	ENSG00000247867 (4	HNF1A (3.9)	LIPC (3.6)
0.03	>=0.20	FZD9 (6.1)	CSGALNACT1 (3.6)	TAGLN (3.0)
0.03	>=0.20	CLPTM1 (3.3)	TMEM175 (3.3)	PLA2G6 (3.0)
0.03	>=0.20	LILRB2 (4.4)	SPI1 (4.2)	LILRA3 (3.2)
0.03	>=0.20	CD36 (3.6)	AFF1 (3.5)	DEPDC1 (3.4)
0.03	>=0.20	SBNO1 (4.0)	CELF1 (3.2)	RNF214 (3.2)
0.03	>=0.20	CCL17 (4.5)	CCL22 (4.3)	BCL3 (3.6)
0.03	>=0.20	ENSG00000182109 (3	OR4A21P (3.1)	KLF14 (2.9)
0.03	>=0.20	TBKBP1 (3.6)	CMIP (3.5)	RNF214 (2.5)
0.03	>=0.20	PVRL2 (3.5)	PLTP (3.0)	BCAM (3.0)
0.03	>=0.20	TRIB1 (3.2)	DDB2 (2.9)	DEPDC1 (2.7)
0.03	>=0.20	ARID1A (3.1)	BAZ1B (3.1)	CKAP5 (3.1)
0.03	>=0.20	ENSG00000226645 (3	ETV5 (3.2)	TRIB1 (3.1)
0.03	>=0.20	HCAR1 (3.6)	ENSG00000181296 (3	BMP8A (2.6)
0.03	>=0.20	KCTD6 (2.7)	LILRA3 (2.3)	SOST (2.2)
0.03	>=0.20	SPI1 (4.2)	BCL3 (3.6)	RELB (3.4)
0.03	>=0.20	RELB (4.1)	SPI1 (4.0)	BCL3 (3.8)
0.03	>=0.20	TMED5 (4.7)	G6PC3 (4.6)	SDF2L1 (4.4)
0.03	>=0.20	APOE (6.6)	FPR3 (6.1)	PLTP (5.5)
0.03	>=0.20	APOE (6.6)	FPR3 (6.1)	PLTP (5.5)
0.03	>=0.20	CCL22 (4.5)	CD40 (4.0)	BCL3 (3.9)
0.03	>=0.20	TAGLN (3.7)	MYO5B (3.5)	PDE3A (3.2)
0.03	>=0.20	STRC (4.3)	SEC14L4 (2.7)	NOL3 (2.5)
0.03	>=0.20	PDE3A (3.5)	LIPC (3.4)	CX3CL1 (3.1)
0.03	>=0.20	TCAP (5.0)	TRIB1 (3.0)	CITED2 (3.0)
0.03	>=0.20	BCL7B (3.5)	MED1 (3.3)	RAB11B (3.0)
0.03	>=0.20	PXK (2.6)	MTMR3 (2.4)	CD300LG (2.2)
0.03	>=0.20	TRPS1 (3.6)	EPB42 (2.4)	CITED2 (2.4)
0.03	>=0.20	MPP2 (3.1)	BACE1 (2.9)	NPEPPS (2.9)
0.03	>=0.20	ZDHHC18 (3.3)	EYA3 (3.0)	BCL3 (2.6)
0.03	>=0.20	FHOD1 (3.7)	MAFF (3.6)	ETV5 (3.4)
0.03	>=0.20	VEGFA (4.4)	MTCH2 (3.3)	LPA (3.1)
0.03	>=0.20	CCL22 (4.4)	CCL17 (4.3)	BCL3 (3.6)
0.03	>=0.20	FPR3 (4.5)	LILRB2 (3.5)	SPI1 (3.1)
0.03	>=0.20	TAGLN (2.9)	SPI1 (2.9)	APOE (2.9)
0.03	>=0.20	ENSG00000254235 (2	CDK12 (2.4)	LRRC29 (2.2)
0.03	>=0.20	LILRA3 (4.6)	CCL22 (4.0)	SNX10 (3.0)
0.03	>=0.20	PDE3A (4.2)	GPIHBP1 (3.2)	EXOC3L1 (3.0)
0.03	>=0.20	PLTP (3.5)	TECTB (3.5)	SLC39A13 (3.3)
0.03	>=0.20	SPI1 (4.6)	LILRA3 (3.1)	LIPC (2.9)
0.03	>=0.20	SCARB1 (6.2)	PNMT (4.3)	KLF14 (3.7)
0.03	>=0.20	SFN (5.6)	MVK (4.7)	TGM5 (3.5)
0.03	>=0.20	NCOA5 (5.1)	AMBRA1 (4.1)	ZSCAN29 (3.7)
0.03	>=0.20	SPI1 (2.6)	ESRP2 (2.6)	RAB11B (2.4)
0.03	>=0.20	CCL22 (3.9)	BCL3 (3.3)	CD40 (3.3)
0.03	>=0.20	MMAB (4.5)	FADS2 (3.9)	MVK (3.9)
0.03	>=0.20	CDK12 (4.2)	FBXL20 (3.7)	PGAP3 (3.6)
0.03	>=0.20	SDF2L1 (5.7)	PDIA3 (4.9)	ZFAND2A (4.4)
0.03	>=0.20	CCL22 (5.8)	CCL17 (5.0)	BCL3 (4.7)

0.03 >=0.20	MT1F (5.0)	MT1G (5.0)	MT1E (4.1)
0.03 >=0.20	CCL17 (5.1)	CCL22 (3.3)	RBPJ (2.8)
0.03 >=0.20	MAFF (3.1)	TRIB1 (2.7)	MT1X (2.5)
0.03 >=0.20	MVK (6.4)	MMAB (5.9)	FADS1 (5.7)
0.03 >=0.20	MBD1 (4.4)	TRIB1 (4.2)	CXXC1 (3.9)
0.03 >=0.20	SPI1 (6.6)	ZDHHC18 (3.9)	LILRB2 (3.7)
0.03 >=0.20	CCL22 (4.4)	CCL17 (4.1)	BCL3 (3.4)
0.03 >=0.20	CCL22 (4.1)	BCL3 (3.5)	CD40 (3.3)
0.03 >=0.20	TMEM101 (3.9)	TMEM208 (3.8)	MIEN1 (3.7)
0.03 >=0.20	PLTP (3.9)	NR1H3 (3.7)	ABCA1 (3.6)
0.03 >=0.20	PDIA3 (5.3)	SDF2L1 (4.8)	APOE (3.1)
0.03 >=0.20	CX3CL1 (2.8)	PVRL2 (2.6)	LIPG (2.4)
0.03 >=0.20	NCOA5 (3.8)	TOMM40 (3.5)	TRIB1 (2.7)
0.03 >=0.20	DOCK6 (4.4)	GRB7 (3.8)	VEGFA (3.1)
0.03 >=0.20	APOA4 (6.0)	APOC3 (5.3)	APOA1 (4.4)
0.03 >=0.20	NEUROD2 (3.8)	EXOC3L1 (3.2)	DOK4 (2.9)
0.03 >=0.20	FADS1 (7.7)	FADS2 (6.9)	MVK (5.8)
0.03 >=0.20	EPB42 (12.8)	RANBP10 (7.4)	CCNDBP1 (2.9)
0.03 >=0.20	OASL (6.1)	NLRC5 (4.8)	PSMB10 (3.3)
0.03 >=0.20	SDF2L1 (7.6)	HERPUD1 (5.0)	PDIA3 (4.8)
0.03 >=0.20	RAB11B (3.6)	JMJD1C (3.4)	RELB (2.5)
0.03 >=0.20	LCAT (2.9)	SMPD3 (2.7)	CYP2W1 (2.5)
0.03 >=0.20	SIDT2 (3.1)	ZSCAN29 (3.0)	PNMT (2.9)
0.03 >=0.20	ENSG00000256746 (2	OR5I1 (2.6)	MT1H (2.5)
0.03 >=0.20	TAGLN (3.4)	FZD9 (2.9)	KANK2 (2.6)
0.03 >=0.20	RELB (5.8)	BCL3 (4.8)	PSMB10 (4.6)
0.03 >=0.20	LILRB2 (3.4)	SPI1 (3.3)	OR4A21P (2.9)
0.03 >=0.20	OASL (3.3)	RSPO3 (3.0)	BCL3 (2.9)
0.03 >=0.20	ENSG00000226645 (3	DOCK6 (3.4)	EXOC3L1 (3.1)
0.03 >=0.20	FPR3 (2.5)	LIPG (2.5)	PVRL2 (2.4)
0.03 >=0.20	APOE (6.1)	PLTP (4.6)	FPR3 (4.6)
0.03 >=0.20	APOE (6.1)	PLTP (4.6)	FPR3 (4.6)
0.03 >=0.20	DDB2 (3.3)	GPIHBP1 (3.2)	COQ9 (3.1)
0.03 >=0.20	PSMC3 (3.5)	MTCH2 (3.1)	G6PC3 (2.9)
0.03 >=0.20	FPR3 (8.4)	LILRB2 (6.5)	OASL (5.0)
0.03 >=0.20	CX3CL1 (2.9)	LRP4 (2.7)	CELSR2 (2.4)
0.03 >=0.20	RSPO3 (3.2)	CX3CL1 (2.9)	CCL22 (2.7)
0.03 >=0.20	SLC12A3 (5.7)	BCAM (4.6)	SLC12A4 (3.2)
0.03 >=0.20	CLPTM1 (4.2)	GPR146 (3.1)	DPEP2 (2.8)
0.03 >=0.20	COQ9 (5.2)	PDHB (4.0)	NDUFS3 (4.0)
0.03 >=0.20	ETV5 (2.5)	LRP4 (2.3)	PSKH1 (2.2)
0.03 >=0.20	LIPG (5.1)	C17orf57 (3.5)	VEGFA (2.9)
0.03 >=0.20	CCL22 (4.4)	CD40 (3.7)	PGS1 (3.4)
0.03 >=0.20	FADS1 (4.8)	FADS2 (4.3)	MVK (4.2)
0.03 >=0.20	CKAP5 (4.8)	CENPT (3.7)	FEN1 (3.6)
0.03 >=0.20	EPB42 (12.6)	RANBP10 (5.2)	CD36 (3.4)
0.03 >=0.20	ENSG00000255507 (4	GRB7 (3.7)	HNF4A (3.6)
0.03 >=0.20	PDIA3 (4.2)	NUTF2 (4.1)	SNORD58C (3.8)
0.03 >=0.20	SEC14L4 (3.4)	CD36 (2.9)	NR1H3 (2.7)
0.03 >=0.20	RAB11B (5.0)	MED1 (4.1)	RNF214 (3.5)

0.03	>=0.20	CCL17 (4.2)	CCL22 (4.1)	BCL3 (3.8)
0.03	>=0.20	FPR3 (3.9)	CCL17 (3.6)	LIPG (3.0)
0.03	>=0.20	PDE3A (4.2)	GPIHBP1 (3.2)	EXOC3L1 (2.9)
0.03	>=0.20	C17orf57 (2.9)	MYBPC3 (2.4)	CD300LG (2.4)
0.03	>=0.20	VEGFA (5.0)	NOL3 (4.3)	TBL2 (4.2)
0.03	>=0.20	LPL (2.8)	ABCA8 (2.8)	GPAM (2.5)
0.03	>=0.20	COX19 (2.7)	MTMR3 (2.3)	EYA3 (2.2)
0.03	>=0.20	MLXIPL (4.0)	PPIP5K1 (3.2)	DGAT2 (3.1)
0.03	>=0.20	TTC39B (2.6)	CSGALNACT1 (2.6)	PDE3A (2.6)
0.03	>=0.20	FADS2 (8.2)	MVK (7.7)	FADS1 (7.5)
0.03	>=0.20	FADS2 (4.0)	KIAA0754 (3.2)	CSGALNACT1 (3.2)
0.03	>=0.20	LILRB2 (3.9)	LILRA3 (3.6)	TRADD (2.8)
0.03	>=0.20	LILRB2 (3.9)	LILRA3 (3.6)	TRADD (2.8)
0.03	>=0.20	C17orf105 (2.9)	ENSG00000255507 (2	STRC (2.8)
0.03	>=0.20	CCL22 (4.2)	CCL17 (3.9)	CD40 (3.5)
0.03	>=0.20	PDE3A (4.8)	MYBPC3 (4.6)	FRMD5 (3.9)
0.03	>=0.20	SPI1 (5.4)	LILRB2 (3.2)	CD40 (3.0)
0.04	>=0.20	NLRC5 (6.2)	OASL (5.9)	PSMB10 (3.2)
0.04	>=0.20	CTRL (7.9)	SCARB1 (6.1)	LIPG (3.9)
0.04	>=0.20	SCARB1 (5.4)	ST3GAL4 (3.9)	PNMT (3.4)
0.04	>=0.20	ENSG00000256746 (3	LIPG (2.5)	ABCA1 (2.3)
0.04	>=0.20	KCTD10 (3.0)	CBFB (3.0)	PLEKHG4 (2.7)
0.04	>=0.20	TMEM62 (3.6)	TMEM175 (3.5)	TMEM101 (3.3)
0.04	>=0.20	MYBPC3 (5.4)	PGAP3 (4.7)	CDK12 (4.4)
0.04	>=0.20	FZD9 (5.6)	TRPS1 (4.1)	PPP1R1B (2.8)
0.04	>=0.20	COQ9 (5.9)	PDHB (5.3)	MTCH2 (3.8)
0.04	>=0.20	CMIP (4.4)	SPI1 (3.4)	EYA3 (3.3)
0.04	>=0.20	LILRB2 (3.4)	OR5I1 (3.3)	GPIHBP1 (3.1)
0.04	>=0.20	OASL (5.3)	LILRB2 (3.6)	LILRA3 (3.6)
0.04	>=0.20	APOC1 (3.8)	LPL (3.7)	NR1H3 (3.4)
0.04	>=0.20	GPAM (4.3)	DGAT2 (3.7)	MMAB (3.5)
0.04	>=0.20	GPAM (4.3)	DGAT2 (3.7)	MMAB (3.5)
0.04	>=0.20	AFF1 (4.2)	PXK (4.0)	PAFAH1B2 (3.3)
0.04	>=0.20	CCL22 (4.8)	TTC39B (3.9)	CCL17 (3.6)
0.04	>=0.20	PPIP5K1 (3.9)	PDHB (3.5)	ARFGAP2 (3.1)
0.04	>=0.20	LILRB2 (5.4)	FPR3 (4.8)	SPI1 (4.3)
0.04	>=0.20	FADS2 (3.6)	AMFR (2.9)	FHOD1 (2.8)
0.04	>=0.20	UBE2L3 (3.0)	CPNE2 (2.9)	FHOD1 (2.7)
0.04	>=0.20	CCL17 (4.3)	CCL22 (4.1)	BCL3 (4.0)
0.04	>=0.20	ARID1A (4.2)	HDAC5 (3.3)	TRIB1 (3.2)
0.04	>=0.20	BCL3 (4.5)	CCL22 (4.0)	CCL17 (3.7)
0.04	>=0.20	SPI1 (6.4)	SNX10 (4.2)	LILRB2 (3.8)
0.04	>=0.20	APOA4 (3.9)	NAGS (3.4)	DGAT2 (2.9)
0.04	>=0.20	OASL (5.7)	CD40 (5.3)	RELB (3.9)
0.04	>=0.20	CDK12 (4.0)	GRB7 (4.0)	MED1 (3.7)
0.04	>=0.20	CCL22 (4.2)	CD40 (3.7)	CCL17 (3.4)
0.04	>=0.20	GALNT2 (3.5)	SLC39A13 (3.4)	G6PC3 (3.3)
0.04	>=0.20	ERBB2 (4.0)	MIEN1 (3.7)	TMEM208 (3.5)
0.04	>=0.20	CCL22 (8.0)	CD40 (6.3)	CCL17 (5.6)
0.04	>=0.20	MVK (4.5)	MMAB (4.2)	FADS2 (4.1)

0.04 >=0.20	MVK (4.5)	MMAB (4.2)	FADS2 (4.1)
0.04 >=0.20	PDE3A (4.8)	MYBPC3 (4.5)	FRMD5 (3.8)
0.04 >=0.20	CCL22 (3.9)	ZDHHC18 (3.7)	CD40 (3.5)
0.04 >=0.20	LPA (7.1)	LCAT (4.7)	SLC22A1 (4.3)
0.04 >=0.20	FPR3 (4.4)	SLC39A13 (3.5)	PTPRJ (3.2)
0.04 >=0.20	NOL3 (4.2)	PDE3A (3.1)	PSKH1 (2.9)
0.04 >=0.20	PVRL2 (4.4)	C11orf9 (4.1)	TAGLN (3.6)
0.04 >=0.20	PPY (9.1)	CTRL (4.8)	MLXIPL (4.2)
0.04 >=0.20	MMAB (4.8)	CES4A (3.7)	MVK (3.5)
0.04 >=0.20	LPL (4.2)	KLF14 (4.1)	MLXIPL (4.0)
0.04 >=0.20	PLG (4.7)	APOC4 (4.4)	NAGS (3.6)
0.04 >=0.20	SFN (5.9)	TGM5 (4.3)	ELMO3 (3.3)
0.04 >=0.20	E2F4 (2.8)	ZNF613 (2.7)	C12orf65 (2.4)
0.04 >=0.20	CCL17 (4.0)	CCL22 (3.8)	CETP (3.3)
0.04 >=0.20	CCL22 (3.8)	PGS1 (3.7)	CD40 (3.5)
0.04 >=0.20	ABCA1 (5.2)	PLA2G15 (4.2)	APOC1 (3.7)
0.04 >=0.20	VEGFA (4.1)	ANGPTL4 (3.8)	PVRL2 (2.8)
0.04 >=0.20	TTBK2 (2.4)	LPL (2.2)	COBLL1 (2.2)
0.04 >=0.20	FHOD1 (3.3)	KANK2 (3.3)	PTPRJ (2.9)
0.04 >=0.20	PPY (5.0)	SNX10 (3.0)	MLXIPL (2.9)
0.04 >=0.20	NR1H3 (5.7)	CETP (4.8)	LILRB2 (4.6)
0.04 >=0.20	NLRC5 (4.5)	ARHGAP1 (4.5)	CLPTM1 (3.6)
0.04 >=0.20	DOCK6 (3.6)	MT1G (3.1)	SLC39A13 (3.1)
0.04 >=0.20	SLC12A3 (4.7)	BCAM (4.4)	SLC12A4 (3.6)
0.04 >=0.20	SDF2L1 (5.0)	PDIA3 (4.4)	TBL2 (4.3)
0.04 >=0.20	ETV5 (4.1)	AMBRA1 (3.4)	CYP26A1 (3.3)
0.04 >=0.20	BCAM (4.9)	DDB2 (3.5)	SLC12A3 (3.3)
0.04 >=0.20	TAGLN (3.8)	LPL (3.2)	SLC39A13 (3.0)
0.04 >=0.20	F2 (6.5)	PLG (6.2)	LIPC (5.9)
0.04 >=0.20	CYP26A1 (3.9)	ARID1A (2.9)	LRP4 (2.9)
0.04 >=0.20	CMIP (3.1)	PTPRJ (2.5)	LSM12 (2.4)
0.04 >=0.20	OR5I1 (3.4)	LILRB2 (3.3)	GPIHBP1 (2.9)
0.04 >=0.20	MYBPC3 (7.7)	TCAP (5.9)	PDE3A (4.9)
0.04 >=0.20	PPY (3.6)	PYY (3.2)	CMIP (2.8)
0.04 >=0.20	RELB (4.6)	PIGV (3.6)	GFOD2 (3.3)
0.04 >=0.20	TECTB (3.4)	SLC39A13 (3.3)	PTPRJ (3.3)
0.04 >=0.20	CCL22 (4.2)	CD40 (3.6)	BCL3 (3.4)
0.04 >=0.20	PPY (3.8)	PYY (3.5)	CMIP (2.6)
0.04 >=0.20	APOA4 (4.3)	SLC12A3 (4.1)	APOA1 (3.0)
0.04 >=0.20	LPA (2.9)	SLC22A1 (2.7)	OGFOD1 (2.4)
0.04 >=0.20	SETD8 (3.1)	ETV5 (3.0)	RAB11B (3.0)
0.04 >=0.20	MT1G (7.5)	MT1F (6.9)	MT1E (6.7)
0.04 >=0.20	EPB42 (9.7)	CETP (5.0)	RANBP10 (5.0)
0.04 >=0.20	HNF4A (3.1)	HNF1A (2.8)	TRIB1 (2.5)
0.04 >=0.20	EYA3 (3.1)	TRIB1 (2.9)	JMJD1C (2.6)
0.04 >=0.20	COQ9 (5.3)	NDUFS3 (4.2)	PDHB (4.0)
0.04 >=0.20	PDHB (3.5)	ARFGAP2 (3.4)	MTCH2 (2.8)
0.04 >=0.20	ARHGAP1 (3.2)	GPR146 (3.1)	CD300LG (2.9)
0.04 >=0.20	TCAP (5.1)	NOL3 (3.1)	MYBPC3 (3.0)
0.04 >=0.20	TRIB1 (6.2)	MAFF (5.9)	CITED2 (3.4)

0.04 >=0.20	LILRA3 (6.5)	LILRB2 (3.9)	SNX10 (2.9)
0.04 >=0.20	SFN (6.2)	C1orf172 (4.3)	ELMO3 (3.8)
0.04 >=0.20	MVK (13.0)	MMAB (11.0)	FADS1 (9.4)
0.04 >=0.20	CCL22 (4.0)	CD40 (3.5)	BCL3 (3.4)
0.04 >=0.20	SPI1 (4.4)	CETP (4.0)	CCDC92 (3.2)
0.04 >=0.20	APOC4 (9.1)	APOA5 (6.9)	LPA (6.4)
0.04 >=0.20	LILRB2 (4.0)	LILRA3 (3.7)	FPR3 (3.0)
0.04 >=0.20	ENSG00000254235 (3	JMJD1C (2.5)	CDK12 (2.5)
0.04 >=0.20	MT1X (17.2)	MT1E (16.6)	MT1G (14.0)
0.04 >=0.20	MYBPC3 (6.5)	TCAP (4.3)	FRMD5 (4.1)
0.04 >=0.20	CETP (2.9)	LILRB2 (2.7)	SPI1 (2.7)
0.04 >=0.20	CKAP5 (4.0)	PRMT7 (3.1)	TBL2 (3.0)
0.04 >=0.20	FZD9 (5.2)	SMPD3 (4.0)	TRPS1 (3.2)
0.04 >=0.20	SFN (4.7)	C1orf172 (3.1)	TTC39B (2.8)
0.04 >=0.20	PGS1 (4.3)	E2F4 (3.1)	PTPRJ (2.9)
0.04 >=0.20	CCL22 (4.6)	CCL17 (4.6)	BCL3 (3.6)
0.04 >=0.20	CD300LG (2.8)	RSPO3 (2.6)	CX3CL1 (2.5)
0.04 >=0.20	PTPMT1 (3.3)	KBTBD4 (3.3)	LRRC29 (3.3)
0.04 >=0.20	PPY (9.5)	CTRL (6.3)	MLXIPL (3.6)
0.04 >=0.20	FNBP4 (5.7)	RBM5 (5.3)	ENSG00000223745 (4
0.04 >=0.20	APOA4 (4.3)	APOC3 (4.0)	APOB (4.0)
0.04 >=0.20	PSMC3 (5.4)	NOL3 (4.3)	MTCH2 (3.8)
0.04 >=0.20	SBNO1 (3.7)	MTF2 (3.6)	MED1 (3.0)
0.04 >=0.20	CASC4 (3.5)	SLC12A4 (2.8)	GPR146 (2.7)
0.04 >=0.20	PDHB (3.5)	BBS2 (3.3)	COQ9 (3.1)
0.04 >=0.20	TRADD (3.9)	KIAA0895L (3.2)	CBFB (2.9)
0.04 >=0.20	CCL17 (5.1)	CCL22 (5.0)	BCL3 (3.4)
0.04 >=0.20	SLC12A3 (7.2)	COBLL1 (3.7)	CX3CL1 (3.2)
0.04 >=0.20	UBE2L3 (3.7)	PSMC3 (3.1)	MTCH2 (3.1)
0.04 >=0.20	MVK (11.3)	MMAB (9.2)	FADS2 (8.3)
0.04 >=0.20	CTRL (5.4)	PPY (3.3)	PVRL2 (2.9)
0.04 >=0.20	CCL17 (4.3)	CCL22 (4.1)	BCL3 (3.9)
0.04 >=0.20	FPR3 (6.2)	APOC1 (3.6)	SLC39A13 (3.5)
0.04 >=0.20	TECTB (3.2)	LPL (2.7)	PPIP5K1 (2.3)
0.04 >=0.20	PLA2G15 (7.6)	ACP2 (4.7)	APOE (4.0)
0.04 >=0.20	ARID1A (4.5)	CMIP (3.3)	NCOA5 (3.2)
0.04 >=0.20	ACAA2 (6.3)	ABHD6 (3.5)	ANGPTL4 (3.4)
0.04 >=0.20	APOE (5.5)	PLTP (4.7)	APOC1 (3.7)
0.04 >=0.20	COQ9 (6.8)	PDHB (5.6)	NDUFS3 (5.4)
0.04 >=0.20	MAFF (7.0)	TRIB1 (4.8)	ZFAND2A (3.4)
0.04 >=0.20	CCL22 (4.5)	CD40 (3.9)	CCL17 (3.5)
0.04 >=0.20	CD36 (5.9)	DGAT2 (5.5)	LPL (5.1)
0.04 >=0.20	APOE (5.9)	PLTP (4.7)	NR1H3 (4.3)
0.04 >=0.20	LPA (6.8)	APOC4 (4.3)	SLC22A1 (4.1)
0.04 >=0.20	CCL17 (4.7)	CCL22 (4.4)	BCL3 (3.7)
0.04 >=0.20	SLC12A3 (4.3)	PYY (3.2)	MYO5B (3.0)
0.04 >=0.20	F2 (5.2)	APOB (5.0)	APOA1 (4.2)
0.04 >=0.20	RAB11B (4.5)	CELSR2 (2.6)	PAFAH1B2 (2.4)
0.04 >=0.20	CX3CL1 (2.8)	LIPG (2.6)	PVRL2 (2.6)
0.04 >=0.20	LPA (7.1)	SLC22A1 (6.9)	APOC4 (5.5)

0.04	>=0.20	PPY (7.4)	CTRL (6.6)	PYY (6.0)
0.04	>=0.20	ATG13 (4.4)	BCL7B (3.7)	TBL2 (3.7)
0.04	>=0.20	MYBPC3 (9.1)	TCAP (6.7)	PACSIN3 (4.1)
0.04	>=0.20	HDAC5 (3.4)	SCARB1 (3.1)	FHOD1 (2.8)
0.04	>=0.20	RAB11B (3.9)	BCL3 (3.7)	TRIB1 (3.5)
0.04	>=0.20	FADS1 (4.9)	SCARB1 (3.8)	SIK3 (3.4)
0.04	>=0.20	CELF1 (3.8)	FNBP4 (3.2)	TUBGCP4 (3.0)
0.04	>=0.20	TRIB1 (4.9)	MAFF (3.2)	VEGFA (3.1)
0.04	>=0.20	ENSG00000254235 (2	CDK12 (2.5)	FBXL20 (2.4)
0.04	>=0.20	ATG13 (4.1)	TBL2 (4.0)	SLC7A6 (3.0)
0.04	>=0.20	HNF4A (3.4)	TRIB1 (3.0)	HDAC5 (2.8)
0.04	>=0.20	COQ9 (3.2)	CIAPIN1 (2.9)	PDHB (2.8)
0.04	>=0.20	PYY (7.6)	PPY (7.2)	C18orf32 (3.2)
0.04	>=0.20	PDIA3 (5.0)	ST3GAL4 (3.1)	G6PC3 (2.7)
0.04	>=0.20	SFN (4.9)	TGM5 (4.7)	ESRP2 (3.4)
0.04	>=0.20	PPY (4.3)	SLC12A3 (3.7)	HNF4A (3.6)
0.04	>=0.20	SEC14L4 (2.5)	ENSG00000255507 (2	FADS2 (2.3)
0.04	>=0.20	CYP26A1 (4.9)	MYBPC3 (4.0)	RSPO3 (3.6)
0.04	>=0.20	BACE1 (3.2)	C11orf9 (3.1)	PLEKHG4 (2.7)
0.04	>=0.20	MAFF (4.4)	BCL3 (4.0)	CCL22 (3.5)
0.04	>=0.20	KCTD19 (3.0)	C17orf105 (3.0)	NOL3 (2.5)
0.04	>=0.20	OASL (3.1)	LILRB2 (2.9)	LILRA3 (2.8)
0.04	>=0.20	FPR3 (3.2)	APOC1 (2.8)	APOE (2.7)
0.04	>=0.20	FHOD1 (3.1)	SPI1 (2.5)	C17orf57 (2.3)
0.04	>=0.20	C19orf80 (3.2)	MYBPC3 (3.0)	TBKBP1 (2.8)
0.04	>=0.20	ENSG00000226645 (3	ETV5 (3.6)	TRIB1 (2.9)
0.04	>=0.20	ATG13 (4.9)	B3GNT9 (3.6)	HERPUD1 (3.3)
0.04	>=0.20	AMBRA1 (4.1)	LCMT2 (3.6)	MTMR3 (3.3)
0.04	>=0.20	NR1H3 (2.7)	ENSG00000254235 (2	SLC12A4 (2.4)
0.04	>=0.20	PLA2G15 (5.5)	CLPTM1 (3.4)	SIDT2 (3.4)
0.04	>=0.20	CCL22 (4.3)	CD40 (3.7)	CCL17 (3.2)
0.04	>=0.20	CD40 (5.8)	LILRB2 (4.3)	SPI1 (4.2)
0.04	>=0.20	FPR3 (3.7)	OR4A1P (2.9)	ACP2 (2.6)
0.05	>=0.20	CCL22 (3.7)	RELB (3.5)	CD40 (3.3)
0.05	>=0.20	CD300LG (3.2)	ENSG00000181123 (2	GPAM (2.6)
0.05	>=0.20	RBPJ (2.7)	PITPNM2 (2.7)	DDX28 (2.5)
0.05	>=0.20	LILRB2 (3.8)	SPI1 (2.8)	RLTPR (2.5)
0.05	>=0.20	NR1H3 (3.6)	ACP2 (3.3)	TAGLN (3.1)
0.05	>=0.20	RELB (5.0)	BCL3 (4.3)	PCIF1 (3.4)
0.05	>=0.20	FADS1 (6.9)	FADS2 (6.1)	MVK (4.8)
0.05	>=0.20	APOC4 (6.2)	SLC22A1 (5.8)	LPA (5.2)
0.05	>=0.20	SETD8 (3.7)	EXOC3L1 (3.3)	MACF1 (3.1)
0.05	>=0.20	CCL22 (5.0)	CCL17 (4.1)	RELB (3.4)
0.05	>=0.20	CCL17 (4.7)	CCL22 (4.6)	CD40 (4.1)
0.05	>=0.20	APOA5 (4.3)	SLC22A1 (4.0)	APOC4 (3.8)
0.05	>=0.20	PYY (3.5)	HNF4A (3.2)	DOK4 (2.8)
0.05	>=0.20	SCARB1 (4.2)	ENSG00000182109 (2	TRIB1 (2.7)
0.05	>=0.20	PSMC3 (3.7)	ZFAND2A (3.7)	SNORD58C (3.0)
0.05	>=0.20	UBE2L3 (3.4)	KCTD10 (2.9)	PGS1 (2.6)
0.05	>=0.20	ENSG00000179523 (3	LIPC (3.2)	AGBL2 (3.2)

0.05 >=0.20	CCL22 (6.1)	CD40 (5.3)	CCL17 (4.7)
0.05 >=0.20	CDK12 (5.1)	MED1 (4.2)	ARID1A (4.1)
0.05 >=0.20	CYP26A1 (3.1)	HCAR1 (2.9)	KLF14 (2.6)
0.05 >=0.20	CCL17 (6.8)	CCL22 (4.5)	BCL3 (3.3)
0.05 >=0.20	LRP4 (3.5)	AMFR (3.1)	GPER (2.8)
0.05 >=0.20	LILRA3 (4.3)	LILRB2 (4.1)	EPB42 (4.1)
0.05 >=0.20	TAGLN (5.1)	RSPO3 (3.3)	APOE (2.8)
0.05 >=0.20	PLG (2.7)	APOA5 (2.3)	CPS1 (2.3)
0.05 >=0.20	ACAA2 (4.6)	PLEKHG4 (3.5)	CES4A (3.1)
0.05 >=0.20	ARID1A (4.0)	NCOA5 (3.6)	BAZ1B (3.6)
0.05 >=0.20	LPA (4.6)	APOC4 (4.2)	APOA5 (4.2)
0.05 >=0.20	LILRB2 (5.1)	OASL (4.8)	LILRA3 (4.2)
0.05 >=0.20	MAFF (7.0)	TRIB1 (6.8)	HERPUD1 (5.0)
0.05 >=0.20	LILRB2 (4.2)	LILRA3 (3.7)	PLTP (3.1)
0.05 >=0.20	SNX13 (4.0)	B3GNT9 (3.3)	RSPRY1 (3.0)
0.05 >=0.20	TMEM208 (4.8)	TBL2 (4.7)	HERPUD1 (4.2)
0.05 >=0.20	SPG11 (4.1)	PLA2G15 (3.4)	IGF2R (3.0)
0.05 >=0.20	SLC22A1 (5.5)	FADS1 (4.4)	NAGS (3.3)
0.05 >=0.20	TAGLN (3.7)	SLC39A13 (3.0)	LPL (2.4)
0.05 >=0.20	DGKG (3.9)	CX3CL1 (2.9)	NEUROD2 (2.8)
0.05 >=0.20	JMJD1C (3.2)	MTMR3 (3.0)	ZDHHC18 (2.3)
0.05 >=0.20	HCAR1 (3.1)	ANGPTL4 (2.6)	HNF1A (2.2)
0.05 >=0.20	CCL22 (4.5)	CCL17 (4.3)	BCL3 (3.7)
0.05 >=0.20	CETP (6.1)	EXOC3L1 (5.0)	DOCK6 (3.9)
0.05 >=0.20	RBM6 (4.5)	RBM5 (4.1)	FNBP4 (3.7)
0.05 >=0.20	RBM6 (4.5)	RBM5 (4.1)	FNBP4 (3.7)
0.05 >=0.20	DOCK6 (2.8)	DPEP3 (2.7)	PGS1 (2.7)
0.05 >=0.20	VEGFA (4.6)	MTMR3 (3.4)	PTPRJ (3.3)
0.05 >=0.20	APOE (4.4)	NR1H3 (3.7)	ABCA1 (3.4)
0.05 >=0.20	PGAP3 (4.0)	ERBB2 (3.8)	GRB7 (3.6)
0.05 >=0.20	TRIB1 (4.0)	ARID1A (4.0)	TRPS1 (2.7)
0.05 >=0.20	RLTPR (3.1)	CETP (2.6)	C16orf86 (2.5)
0.05 >=0.20	CCL22 (2.8)	ENSG00000256746 (2	CD40 (2.6)
0.05 >=0.20	OASL (10.1)	NLRC5 (5.9)	PSMB10 (4.7)
0.05 >=0.20	GRB7 (3.1)	MIEN1 (3.1)	PGAP3 (3.0)
0.05 >=0.20	MVK (11.4)	MMAB (10.0)	FADS1 (8.9)
0.05 >=0.20	SOST (3.3)	TRPS1 (3.2)	ERBB2 (3.1)
0.05 >=0.20	AFF1 (3.4)	SIK3 (3.4)	ZNF335 (3.2)
0.05 >=0.20	CES4A (3.8)	ACAA2 (3.8)	BBS2 (3.4)
0.05 >=0.20	BCL3 (2.7)	DGAT2 (2.6)	SPI1 (2.5)
0.05 >=0.20	TRPS1 (3.2)	MYO1H (2.9)	ENSG00000255507 (2
0.05 >=0.20	DOCK6 (4.0)	GRB7 (2.8)	MST1R (2.7)
0.05 >=0.20	PTPRJ (2.6)	FHOD1 (2.2)	CPNE2 (2.1)
0.05 >=0.20	BCL3 (4.0)	CCL22 (3.8)	CCL17 (3.7)
0.05 >=0.20	SDF2L1 (4.8)	FADS2 (3.8)	MMAB (3.7)
0.05 >=0.20	MT1H (2.8)	MT1X (2.7)	TTC39B (2.4)
0.05 >=0.20	ACP2 (3.0)	SPI1 (2.7)	GALNT2 (2.6)
0.05 >=0.20	FPR3 (4.4)	OR4A1P (4.1)	ACP2 (2.6)
0.05 >=0.20	BCAM (3.3)	VEGFA (3.2)	GALNT2 (3.0)
0.05 >=0.20	F2 (4.4)	LCAT (4.0)	CX3CL1 (3.6)

0.05 >=0.20	DYM (3.1)	HDAC5 (2.4)	SNX13 (2.4)
0.05 >=0.20	SPRYD5 (2.9)	C12orf65 (2.9)	RAPSN (2.8)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.3)	BCL3 (3.7)
0.05 >=0.20	PDHB (4.0)	ARFGAP2 (3.3)	NDUFS3 (3.0)
0.05 >=0.20	RELB (4.4)	CD40 (3.3)	LILRB2 (2.8)
0.05 >=0.20	SMPD3 (4.7)	TRPS1 (3.5)	FPR3 (3.5)
0.05 >=0.20	TRIB1 (4.1)	ARID1A (4.0)	TRPS1 (2.6)
0.05 >=0.20	TRIB1 (4.1)	ARID1A (4.0)	TRPS1 (2.6)
0.05 >=0.20	PPY (3.9)	TRPS1 (2.8)	KANK2 (2.7)
0.05 >=0.20	F2 (6.3)	APOB (5.6)	LIPC (5.5)
0.05 >=0.20	CCL17 (4.8)	FPR3 (4.3)	PYY (3.3)
0.05 >=0.20	LPA (5.9)	SLC22A1 (5.9)	PLG (5.7)
0.05 >=0.20	CCL17 (4.6)	CCL22 (4.4)	BCL3 (3.6)
0.05 >=0.20	MMAB (12.3)	MVK (11.4)	FADS2 (8.5)
0.05 >=0.20	TECTB (3.7)	PPP1R1B (2.8)	APOC1 (2.7)
0.05 >=0.20	GRB7 (3.3)	PVRL2 (2.9)	UBR1 (2.6)
0.05 >=0.20	CCL22 (4.2)	RBPJ (3.8)	RLTPR (3.5)
0.05 >=0.20	MYO1H (3.8)	FADS1 (3.6)	C1QTNF4 (2.6)
0.05 >=0.20	OASL (4.2)	CCL17 (2.9)	ENSG00000226334 (2
0.05 >=0.20	MAFF (6.6)	HERPUD1 (6.2)	TRIB1 (6.0)
0.05 >=0.20	PDIA3 (6.6)	SDF2L1 (6.5)	TMED5 (3.8)
0.05 >=0.20	APOC4 (9.2)	APOA5 (7.5)	PLG (7.1)
0.05 >=0.20	MVK (3.7)	APOC3 (3.4)	APOA4 (3.2)
0.05 >=0.20	PPY (4.5)	PYY (3.4)	ABCB9 (2.7)
0.05 >=0.20	PPY (9.7)	PYY (8.2)	CTRL (4.0)
0.05 >=0.20	LRP4 (3.0)	VEGFA (2.9)	GALNT2 (2.6)
0.05 >=0.20	MACF1 (3.7)	COBLL1 (2.9)	PTPRJ (2.6)
0.05 >=0.20	ETV5 (3.4)	DYM (2.9)	ACP2 (2.8)
0.05 >=0.20	LPA (3.3)	NOL3 (2.8)	OR5J2 (2.4)
0.05 >=0.20	DYM (4.5)	MBD1 (3.9)	SNORD58C (3.2)
0.05 >=0.20	CTRL (8.4)	APOA4 (3.2)	PPY (3.1)
0.05 >=0.20	FZD9 (2.5)	COBLL1 (2.4)	TAGLN (2.4)
0.05 >=0.20	ELMO3 (5.1)	C1orf172 (5.0)	ESRP2 (4.9)
0.05 >=0.20	MT1F (4.8)	MT1G (4.7)	MT1X (4.0)
0.05 >=0.20	CCL17 (4.4)	CCL22 (4.2)	BCL3 (3.6)
0.05 >=0.20	SPI1 (3.1)	CD36 (2.8)	LILRB2 (2.6)
0.05 >=0.20	FPR3 (4.7)	OR4A1P (4.2)	TGM7 (2.9)

0.05	>=0.20	PDIA3 (5.1)	G6PC3 (5.0)	SDF2L1 (4.9)
0.05	>=0.20	CCL22 (4.1)	CD40 (3.5)	BCL3 (3.4)
0.05	>=0.20	DUSP3 (2.5)	BACE1 (2.2)	JMJD1C (2.1)
0.05	>=0.20	PXK (3.3)	ANGPTL4 (3.0)	DR1 (2.9)
0.05	>=0.20	CCL22 (4.4)	CD40 (3.9)	CCL17 (3.2)
0.05	>=0.20	BCL3 (4.6)	RELB (3.8)	APOA4 (3.8)
0.05	>=0.20	OR4A1P (4.1)	FPR3 (3.3)	TGM7 (3.1)
0.05	>=0.20	CCL22 (4.2)	CD40 (3.6)	CCL17 (3.5)
0.05	>=0.20	CCL22 (4.2)	CD40 (3.6)	CCL17 (3.5)
0.05	>=0.20	RAB11B (3.4)	CLPTM1 (3.3)	ARHGAP1 (3.0)
0.05	>=0.20	CD300LG (3.0)	ENSG00000256746 (2	SOST (2.4)
0.06	>=0.20	CCL22 (4.3)	CD40 (3.7)	CCL17 (3.4)
0.06	>=0.20	CSGALNACT1 (2.8)	LPL (2.2)	ANGPTL4 (2.1)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.2)	BCL3 (3.8)
0.06	>=0.20	CCL17 (4.0)	CCL22 (3.0)	RBPJ (2.9)
0.06	>=0.20	PTPRZ1 (4.0)	SFN (3.7)	C1orf172 (3.2)
0.06	>=0.20	GRB7 (3.7)	LILRA3 (2.9)	DOCK6 (2.8)
0.06	>=0.20	APOC4 (6.0)	NAGS (5.1)	APOA5 (4.9)
0.06	>=0.20	AFF1 (3.8)	IGF2R (3.0)	SPI1 (2.9)
0.06	>=0.20	COQ9 (3.1)	UBE3B (2.9)	MMAB (2.7)
0.06	>=0.20	GRB7 (3.3)	PCSK7 (2.7)	NCOA5 (2.7)
0.06	>=0.20	MPP3 (3.0)	CITED2 (2.7)	KLF14 (2.3)
0.06	>=0.20	ABCA8 (2.9)	ENSG00000182109 (2	ENSG00000223745 (2
0.06	>=0.20	CCL22 (4.3)	CD40 (3.6)	CCL17 (3.4)
0.06	>=0.20	CCL22 (4.3)	CD40 (3.6)	CCL17 (3.4)
0.06	>=0.20	CCL22 (4.3)	CD40 (3.6)	CCL17 (3.4)
0.06	>=0.20	APOA4 (3.5)	ENSG00000229043 (2	VEGFA (2.7)
0.06	>=0.20	MMAB (2.7)	PDE3A (2.7)	ENSG00000223745 (2
0.06	>=0.20	ATG13 (4.8)	TBL2 (4.5)	ARFGAP2 (3.8)
0.06	>=0.20	CBFB (3.0)	SBNO1 (3.0)	RAB11B (2.9)
0.06	>=0.20	PXK (3.4)	ANGPTL4 (3.0)	DR1 (2.9)
0.06	>=0.20	DGKG (3.7)	PPY (3.0)	PDE3A (2.9)
0.06	>=0.20	SDF2L1 (4.9)	PIGV (4.2)	PDIA3 (3.8)
0.06	>=0.20	ATG13 (4.8)	TBL2 (4.2)	B3GNT9 (3.7)
0.06	>=0.20	EXOC3L1 (3.9)	CETP (3.4)	DOCK6 (3.3)
0.06	>=0.20	CCL17 (4.3)	CCL22 (4.0)	BCL3 (3.8)
0.06	>=0.20	ETV5 (3.0)	PXK (2.8)	SNX10 (2.7)
0.06	>=0.20	ABCA8 (2.7)	G6PC3 (2.6)	ANGPTL4 (2.6)
0.06	>=0.20	ABCA8 (2.7)	G6PC3 (2.6)	ANGPTL4 (2.6)
0.06	>=0.20	FPR3 (4.2)	TGM7 (4.0)	OR4A1P (3.7)
0.06	>=0.20	MVK (16.7)	MMAB (15.6)	FADS1 (13.3)
0.06	>=0.20	LIPC (3.0)	ENSG00000179523 (2	HNF1A (2.7)

0.06 >=0.20	TCAP (4.0)	MYBPC3 (3.2)	FHOD1 (3.0)
0.06 >=0.20	FADS2 (6.1)	FADS1 (6.0)	MMAB (5.8)
0.06 >=0.20	SDF2L1 (5.1)	MAFF (4.8)	HERPUD1 (4.7)
0.06 >=0.20	GPIHBP1 (2.5)	CSGALNACT1 (2.4)	ZNF664 (2.4)
0.06 >=0.20	CCL22 (4.2)	CD40 (3.7)	CCL17 (3.3)
0.06 >=0.20	MYBPC3 (4.8)	IGF2R (4.1)	ARID1A (2.9)
0.06 >=0.20	CCL17 (4.5)	BCL3 (4.4)	CCL22 (4.3)
0.06 >=0.20	ENSG00000254235 (3	LPA (2.9)	DYM (2.5)
0.06 >=0.20	ENSG00000254235 (3	LPA (2.9)	DYM (2.5)
0.06 >=0.20	LILRB2 (6.8)	LILRA3 (4.4)	LPA (3.6)
0.06 >=0.20	TAGLN (5.7)	FHOD1 (3.9)	SLC39A13 (3.6)
0.06 >=0.20	SLC22A1 (6.7)	LPA (5.5)	APOC4 (4.7)
0.06 >=0.20	RELB (6.1)	BCL3 (4.4)	DDB2 (4.0)
0.06 >=0.20	CCL17 (3.9)	CCL22 (3.8)	BCL3 (3.1)
0.06 >=0.20	ETV5 (5.6)	TRIB1 (4.4)	MAFF (3.9)
0.06 >=0.20	ACAA2 (4.8)	PDHB (4.5)	COQ9 (4.0)
0.06 >=0.20	NAGS (4.6)	APOC4 (4.2)	PLG (4.2)
0.06 >=0.20	PGS1 (3.0)	ELMO3 (2.8)	C16orf70 (2.8)
0.06 >=0.20	CD36 (4.6)	DGAT2 (4.4)	HCAR1 (4.3)
0.06 >=0.20	ENSG00000223745 (3	APOE (2.9)	ADAL (2.6)
0.06 >=0.20	TRPS1 (5.1)	FZD9 (3.8)	SLC39A13 (3.0)
0.06 >=0.20	C1orf172 (5.3)	SFN (4.7)	ELMO3 (3.8)
0.06 >=0.20	LILRB2 (3.7)	LILRA3 (3.4)	ENSG00000181296 (2
0.06 >=0.20	CCDC18 (3.5)	RSPO3 (3.3)	BCL7B (3.0)
0.06 >=0.20	MYO1H (3.1)	COBLL1 (3.1)	LILRB2 (3.0)
0.06 >=0.20	C18orf32 (3.2)	DUSP3 (3.0)	RNF214 (2.7)
0.06 >=0.20	PGS1 (4.0)	TTC39B (2.8)	BCL3 (2.8)
0.06 >=0.20	PNMT (3.3)	RSPO3 (3.0)	CITED2 (2.8)
0.06 >=0.20	ARFGAP2 (4.0)	PDHB (3.7)	PPIP5K1 (3.6)
0.06 >=0.20	SLC22A1 (6.5)	LPA (5.9)	APOC4 (5.2)
0.06 >=0.20	LIPC (3.7)	LPA (3.0)	APOC4 (2.9)
0.06 >=0.20	CCL17 (4.5)	CCL22 (4.1)	BCL3 (3.6)
0.06 >=0.20	NEUROD2 (4.9)	DGKG (3.9)	CX3CL1 (3.4)
0.06 >=0.20	ESRP2 (5.4)	C1orf172 (4.9)	ELMO3 (4.4)
0.06 >=0.20	LIPG (3.0)	PTPRZ1 (3.0)	SOST (2.9)
0.06 >=0.20	PSKH1 (3.3)	DYM (3.1)	PARD6A (2.9)
0.06 >=0.20	SLC22A1 (4.4)	APOA5 (4.1)	PLG (4.1)
0.06 >=0.20	YDJC (2.6)	BMP8A (2.6)	ETV5 (2.5)
0.06 >=0.20	YDJC (2.6)	BMP8A (2.6)	ETV5 (2.5)
0.06 >=0.20	LILRB2 (3.4)	SDF2L1 (3.3)	TMED5 (2.7)
0.06 >=0.20	TMEM101 (3.7)	XKR8 (3.5)	OR5L2 (3.3)
0.06 >=0.20	NCOA5 (3.7)	MED1 (2.9)	SBNO1 (2.8)
0.06 >=0.20	AMFR (3.3)	CKAP5 (3.3)	AMBRA1 (3.1)
0.06 >=0.20	LILRB2 (3.7)	LILRA3 (3.4)	TGM7 (2.7)
0.06 >=0.20	LILRB2 (2.6)	LILRA3 (2.6)	SNX10 (2.3)
0.06 >=0.20	HCAR1 (4.1)	CD36 (3.2)	LILRA3 (3.0)
0.06 >=0.20	TAGLN (4.2)	MACF1 (4.0)	SPI1 (3.6)
0.06 >=0.20	APOA1 (5.0)	F2 (4.3)	APOC3 (3.9)
0.06 >=0.20	ACAA2 (4.1)	ANGPTL4 (3.3)	COQ9 (3.3)
0.06 >=0.20	PYY (7.6)	PPY (6.9)	APOA4 (3.1)

0.06	>=0.20	CCL22 (4.3)	CD40 (3.7)	CCL17 (3.3)
0.06	>=0.20	PAFAH1B2 (3.8)	MON1A (3.6)	ARFGAP2 (3.2)
0.06	>=0.20	CCL22 (3.3)	DDB2 (3.2)	ZDHHC18 (2.8)
0.06	>=0.20	DYM (3.5)	GALNT2 (2.5)	ENSG00000254235 (2
0.06	>=0.20	ENSG00000256746 (3	OR5I1 (2.6)	MT1H (2.5)
0.06	>=0.20	CDK12 (5.2)	PGAP3 (3.3)	ZSCAN29 (3.2)
0.06	>=0.20	DOCK6 (4.2)	LILRA3 (3.0)	GRB7 (3.0)
0.06	>=0.20	TAGLN (4.8)	KIAA0754 (3.4)	F2 (2.5)
0.06	>=0.20	OASL (2.7)	TAGLN (2.4)	NR1H3 (2.3)
0.06	>=0.20	OASL (6.1)	NLRC5 (6.1)	PSMB10 (3.0)
0.06	>=0.20	EXOC3L1 (4.2)	GPIHBP1 (3.7)	TBKBP1 (3.4)
0.06	>=0.20	FADS1 (2.7)	FADS2 (2.5)	C19orf80 (2.5)
0.06	>=0.20	RELB (4.4)	LILRB2 (3.6)	BCL3 (3.4)
0.06	>=0.20	CLPTM1 (3.5)	PGS1 (3.4)	SNX10 (2.7)
0.06	>=0.20	TCAP (5.0)	MYBPC3 (4.8)	ARHGAP1 (2.9)
0.06	>=0.20	CTRL (10.9)	APOA4 (5.3)	NR0B2 (5.0)
0.06	>=0.20	CETP (5.3)	APOE (3.5)	SPI1 (3.0)
0.06	>=0.20	RBPJ (3.7)	SNX10 (3.7)	PSMB10 (2.4)
0.06	>=0.20	AMFR (3.4)	CLPTM1 (3.4)	PSKH1 (3.1)
0.06	>=0.20	SLC39A13 (3.0)	SLC12A3 (2.8)	INTS10 (2.7)
0.06	>=0.20	RBPJ (2.7)	ARFGAP2 (2.5)	RAB11B (2.3)
0.06	>=0.20	ABCA8 (5.7)	LPA (5.1)	APOC4 (4.4)
0.06	>=0.20	MTMR3 (5.1)	TRIB1 (2.9)	ARID1A (2.8)
0.06	>=0.20	ENSG00000255507 (3	KLHL8 (2.7)	ZNF350 (2.5)
0.06	>=0.20	RELB (8.8)	OASL (7.0)	BCL3 (4.9)
0.06	>=0.20	LPA (5.2)	SLC22A1 (4.7)	APOC4 (4.3)
0.06	>=0.20	LIPG (3.1)	ENSG00000229043 (3	PVRL2 (2.9)
0.06	>=0.20	BCL3 (4.8)	PGS1 (4.6)	CD40 (4.2)
0.06	>=0.20	PDIA3 (3.7)	SDF2L1 (3.2)	TP53BP1 (3.1)
0.06	>=0.20	ZNF350 (3.1)	DCPS (3.0)	SCARB1 (3.0)
0.06	>=0.20	AMBRA1 (3.9)	ZNF614 (3.7)	LCMT2 (3.4)
0.06	>=0.20	SLC22A1 (4.8)	APOA5 (4.5)	PLG (4.3)
0.06	>=0.20	PSMC3 (5.7)	ZFAND2A (4.7)	MTCH2 (4.1)
0.06	>=0.20	CCL17 (4.5)	CCL22 (4.3)	BCL3 (3.6)
0.06	>=0.20	SETD8 (2.5)	UVRAG (2.3)	MACF1 (2.3)
0.06	>=0.20	ENSG00000226645 (3	MYO1H (2.9)	CTRL (2.5)
0.06	>=0.20	LPA (3.0)	SPI1 (3.0)	OASL (3.0)
0.06	>=0.20	SOST (3.6)	NFATC3 (3.0)	TRPS1 (2.9)
0.06	>=0.20	COQ9 (7.1)	PDHB (6.6)	MTCH2 (4.3)
0.06	>=0.20	TECTB (6.2)	FZD9 (4.4)	C1orf172 (3.7)
0.06	>=0.20	F2 (5.4)	APOB (5.2)	LIPC (5.0)
0.06	>=0.20	F2 (5.4)	APOB (5.2)	LIPC (5.0)
0.06	>=0.20	CDK12 (4.3)	GPN2 (4.3)	NRBF2 (4.3)
0.06	>=0.20	ABCA1 (4.6)	SDF2L1 (4.2)	DOCK6 (3.6)
0.06	>=0.20	DR1 (3.6)	PCIF1 (3.4)	NCOA5 (3.2)
0.06	>=0.20	MAFF (6.2)	TRIB1 (5.8)	BCL3 (4.7)
0.06	>=0.20	APOC4 (8.3)	LPA (7.5)	APOA5 (6.6)
0.06	>=0.20	DUSP3 (2.5)	ETV5 (2.4)	TRIB1 (2.4)
0.06	>=0.20	LIPC (4.2)	PLG (4.2)	PITPNM2 (3.8)
0.06	>=0.20	COBLL1 (2.5)	PDE3A (2.4)	FRMD5 (2.4)

0.06	>=0.20	ARID1A (3.9)	RAB11B (3.2)	EDC4 (3.0)
0.06	>=0.20	SPRYD5 (3.0)	PTPRZ1 (2.7)	FAM192A (2.6)
0.06	>=0.20	DOCK6 (4.1)	ELMO3 (2.8)	CD40 (2.7)
0.06	>=0.20	CCL22 (4.6)	CD40 (4.6)	RELB (3.6)
0.06	>=0.20	ERBB2 (5.0)	TMEM175 (4.3)	G6PC3 (4.2)
0.06	>=0.20	C17orf57 (2.9)	MON1A (2.9)	KCTD10 (2.6)
0.06	>=0.20	SPI1 (3.5)	ST3GAL4 (3.1)	ABCA8 (2.6)
0.06	>=0.20	PDHB (4.2)	COQ9 (3.5)	ARFGAP2 (3.5)
0.06	>=0.20	FADS1 (3.9)	MAFF (2.9)	SCARB1 (2.8)
0.06	>=0.20	RELB (4.7)	CD40 (4.7)	BCL3 (4.6)
0.06	>=0.20	PPY (11.5)	PYY (7.5)	HNF4A (5.5)
0.07	>=0.20	GPN2 (4.5)	EDC4 (3.6)	MIEN1 (3.4)
0.07	>=0.20	TGM5 (5.2)	SFN (5.0)	ESRP2 (2.5)
0.07	>=0.20	TRIB1 (3.1)	HNF1A (2.9)	RAPSN (2.7)
0.07	>=0.20	APOA4 (3.8)	SPG11 (2.5)	TECTB (2.5)
0.07	>=0.20	CCL22 (4.3)	CD40 (3.7)	CCL17 (3.2)
0.07	>=0.20	COQ9 (3.1)	NDUFS3 (2.9)	VEGFA (2.8)
0.07	>=0.20	DOCK6 (4.2)	EXOC3L1 (4.1)	GPIHBP1 (3.1)
0.07	>=0.20	EPB42 (4.8)	BCL3 (3.2)	MAFF (3.1)
0.07	>=0.20	RAB11B (3.6)	ARID1A (3.6)	CDK12 (3.4)
0.07	>=0.20	TECTB (3.6)	ENSG00000256746 (3	CTRL (2.4)
0.07	>=0.20	MADD (3.3)	TTC39B (2.7)	TRIB1 (2.5)
0.07	>=0.20	MAFF (5.5)	TRIB1 (4.7)	CITED2 (4.1)
0.07	>=0.20	PLA2G15 (3.5)	CETP (3.3)	LILRB2 (3.1)
0.07	>=0.20	CCL22 (4.3)	CCL17 (3.3)	CD40 (3.3)
0.07	>=0.20	BCAM (3.1)	VEGFA (3.0)	ZNF350 (2.8)
0.07	>=0.20	GPN2 (4.1)	NRBF2 (3.8)	CDK12 (3.7)
0.07	>=0.20	CCL17 (4.3)	CCL22 (4.3)	BCL3 (3.5)
0.07	>=0.20	C19orf80 (3.5)	CPS1 (2.9)	VEGFA (2.7)
0.07	>=0.20	SDF2L1 (7.7)	PDIA3 (6.5)	HERPUD1 (6.1)
0.07	>=0.20	APOC1 (3.8)	DPEP2 (3.4)	TRIB1 (3.1)
0.07	>=0.20	MVK (4.2)	ARHGAP1 (3.4)	HNF4A (2.9)
0.07	>=0.20	COX19 (3.6)	ENSG00000181123 (3	EYA3 (3.0)
0.07	>=0.20	TRIB1 (3.6)	ARID1A (3.4)	CITED2 (3.2)
0.07	>=0.20	CCL22 (4.2)	CD40 (3.7)	CCL17 (3.4)
0.07	>=0.20	DOK4 (2.8)	LPL (2.4)	DUS2L (2.3)
0.07	>=0.20	UBE2L3 (3.3)	GNAO1 (2.7)	DOK4 (2.6)
0.07	>=0.20	NCOA5 (3.0)	BCL3 (2.5)	FADS1 (2.5)
0.07	>=0.20	G6PC3 (4.5)	TMED5 (4.2)	TMEM208 (3.7)
0.07	>=0.20	CCL22 (5.0)	CCL17 (4.2)	CD40 (4.1)
0.07	>=0.20	CDK12 (7.0)	PGAP3 (6.7)	ERBB2 (5.7)
0.07	>=0.20	C1orf172 (3.6)	HNF4A (3.6)	ELMO3 (3.5)
0.07	>=0.20	RELB (4.6)	CCL22 (4.5)	BCL3 (4.3)
0.07	>=0.20	PSMB10 (4.7)	NLRC5 (4.7)	SNX10 (3.3)
0.07	>=0.20	HNF4A (3.2)	LCAT (3.0)	AGBL2 (2.9)
0.07	>=0.20	ARID1A (5.0)	PCIF1 (3.4)	CXXC1 (3.0)
0.07	>=0.20	BCL7B (3.7)	BAZ1B (3.6)	SETD8 (3.3)
0.07	>=0.20	FPR3 (4.0)	ETV5 (3.8)	SPI1 (3.1)
0.07	>=0.20	MAFF (4.8)	VEGFA (3.8)	FAM192A (3.5)
0.07	>=0.20	MST1R (3.3)	TMEM175 (3.1)	FZD9 (2.9)

0.07 >=0.20	PDE3A (3.2)	KCTD10 (2.7)	CCDC116 (2.6)
0.07 >=0.20	TBL2 (4.1)	MT1F (3.9)	ACP2 (3.5)
0.07 >=0.20	EDC4 (4.0)	CXXC1 (3.7)	TP53BP1 (2.9)
0.07 >=0.20	DOCK6 (4.3)	GPIHBP1 (3.7)	VEGFA (3.5)
0.07 >=0.20	SDF2L1 (7.5)	PDIA3 (6.8)	HERPUD1 (4.9)
0.07 >=0.20	GPIHBP1 (5.5)	CETP (4.0)	DOCK6 (3.3)
0.07 >=0.20	PPY (5.8)	PYY (4.3)	MLXIPL (3.2)
0.07 >=0.20	C19orf80 (3.0)	ST3GAL4 (2.9)	ZFAND2A (2.7)
0.07 >=0.20	LPA (3.9)	ZDHHC18 (3.4)	IGF2R (2.6)
0.07 >=0.20	TRIB1 (5.8)	MAFF (5.3)	BCL3 (3.7)
0.07 >=0.20	IGF2R (3.2)	SKA1 (3.1)	CKAP5 (3.1)
0.07 >=0.20	DR1 (3.4)	SETD8 (2.9)	NPEPPS (2.8)
0.07 >=0.20	ACAA2 (4.9)	SCARB1 (3.0)	NR0B2 (2.9)
0.07 >=0.20	PSMC3 (5.4)	NUP93 (3.6)	MTCH2 (3.4)
0.07 >=0.20	MLXIPL (3.5)	GPR146 (3.5)	DGAT2 (3.1)
0.07 >=0.20	SPI1 (5.3)	LILRB2 (4.3)	LILRA3 (2.9)
0.07 >=0.20	LILRA3 (4.5)	RELB (4.2)	LILRB2 (4.1)
0.07 >=0.20	NCOA5 (3.4)	SIK3 (3.1)	BAZ1B (3.1)
0.07 >=0.20	ATG13 (4.3)	TMEM208 (3.4)	SLC39A13 (3.3)
0.07 >=0.20	MYO1H (3.1)	C12orf65 (2.9)	ZNF614 (2.9)
0.07 >=0.20	KLF14 (3.0)	ST3GAL4 (2.5)	CD36 (2.3)
0.07 >=0.20	UBE2L3 (3.2)	GRB7 (2.9)	GPIHBP1 (2.7)
0.07 >=0.20	PPY (4.6)	PYY (3.8)	ABCB9 (2.8)
0.07 >=0.20	ZNF335 (3.7)	MBD1 (3.1)	ARID1A (3.0)
0.07 >=0.20	ARID1A (3.1)	PCIF1 (2.8)	ERBB2 (2.7)
0.07 >=0.20	ENSG00000255507 (4	KLHL8 (2.6)	ZNF350 (2.6)
0.07 >=0.20	ENSG00000255507 (4	KLHL8 (2.6)	ZNF350 (2.6)
0.07 >=0.20	TRIB1 (3.5)	CITED2 (3.3)	MAFF (2.7)
0.07 >=0.20	COQ9 (4.0)	PDHB (3.9)	SLC39A13 (3.6)
0.07 >=0.20	RELB (8.4)	BCL3 (4.9)	CD40 (4.2)
0.07 >=0.20	DEPDC1 (3.9)	CKAP5 (3.4)	PDHB (3.3)
0.07 >=0.20	ELMO3 (5.0)	CTRL (4.6)	SFN (4.2)
0.07 >=0.20	PLA2G15 (5.8)	SIDT2 (3.6)	FPR3 (3.3)
0.07 >=0.20	OASL (4.7)	TSNAXIP1 (2.3)	KLF14 (2.2)
0.07 >=0.20	SOST (4.2)	PPY (4.1)	SMPD3 (3.3)
0.07 >=0.20	CCL22 (5.1)	LILRB2 (4.6)	LILRA3 (3.9)
0.07 >=0.20	PGAP3 (3.8)	GRB7 (3.8)	MTF2 (3.0)
0.07 >=0.20	ATG13 (3.3)	NAGS (3.1)	C16orf70 (3.1)
0.07 >=0.20	KCTD6 (2.9)	OR4A1P (2.6)	FRMD5 (2.5)
0.07 >=0.20	RLTPR (3.9)	RELB (3.6)	CSGALNACT1 (3.0)
0.07 >=0.20	SFN (3.5)	MST1R (3.3)	ABHD6 (3.1)
0.07 >=0.20	SLC12A3 (6.7)	PLG (3.6)	HNF4A (3.4)
0.07 >=0.20	RELB (9.9)	BCL3 (5.5)	MAFF (4.5)
0.07 >=0.20	OR4A1P (3.9)	FPR3 (3.3)	LIPG (2.7)
0.07 >=0.20	MED1 (2.7)	JMJD1C (2.6)	FBXL20 (2.6)
0.07 >=0.20	HERPUD1 (5.9)	MAFF (5.1)	TRIB1 (4.1)
0.07 >=0.20	MT1G (4.5)	MT1X (4.4)	MT1F (4.3)
0.07 >=0.20	FPR3 (6.7)	CCL17 (4.8)	OASL (3.6)
0.07 >=0.20	MT1H (2.6)	MYO1H (2.5)	LILRA3 (2.4)
0.07 >=0.20	ARFGAP2 (3.5)	PPIP5K1 (3.5)	PDHB (3.3)

0.07 >=0.20	ARID1A (5.0)	PCIF1 (3.1)	CXXC1 (3.0)
0.07 >=0.20	ARID1A (2.8)	CLPTM1 (2.6)	PSKH1 (2.4)
0.07 >=0.20	LILRB2 (5.4)	FPR3 (5.0)	OASL (4.5)
0.07 >=0.20	EPB42 (6.4)	PGAP3 (3.3)	AFF1 (3.0)
0.07 >=0.20	PIGV (2.9)	ACP2 (2.8)	TBL2 (2.7)
0.07 >=0.20	DUS2L (3.3)	UBR1 (3.0)	KPNB1 (2.9)
0.07 >=0.20	SLC7A6OS (3.1)	KIAA0754 (3.1)	MT1H (2.8)
0.07 >=0.20	ANGPTL4 (3.1)	VEGFA (3.0)	MYBPC3 (3.0)
0.07 >=0.20	CLPTM1 (3.5)	UBE2L3 (3.4)	PAFAH1B2 (3.4)
0.07 >=0.20	CCL17 (4.3)	CCL22 (4.2)	BCL3 (3.5)
0.07 >=0.20	PPY (11.9)	PYY (6.3)	HNF4A (4.5)
0.07 >=0.20	ESRP2 (4.7)	ELMO3 (4.4)	C1orf172 (4.4)
0.07 >=0.20	SLC22A1 (7.2)	LPA (6.4)	APOC4 (5.5)
0.07 >=0.20	GRB7 (7.0)	PGAP3 (4.8)	FBXL20 (4.3)
0.07 >=0.20	ARID1A (3.4)	ENSG00000229043 (3	DPEP3 (2.6)
0.07 >=0.20	SLC9A5 (3.2)	ETV5 (2.5)	PPP1R1B (2.4)
0.07 >=0.20	LIPG (4.3)	C17orf57 (3.0)	DPEP2 (2.4)
0.07 >=0.20	GPIHBP1 (3.1)	CD300LG (3.1)	KLF14 (3.0)
0.07 >=0.20	GPN2 (4.4)	EDC4 (4.0)	MIEN1 (3.9)
0.07 >=0.20	CYP2W1 (3.1)	TBL2 (3.1)	BMP8A (2.9)
0.07 >=0.20	SCARB1 (5.6)	ABCA8 (3.4)	FADS1 (3.1)
0.08 >=0.20	MAFF (6.7)	TRIB1 (6.3)	BCL3 (4.8)
0.08 >=0.20	BAZ1B (3.4)	SBNO1 (3.3)	NUP160 (3.2)
0.08 >=0.20	GPN2 (4.5)	EDC4 (4.1)	CDK12 (3.6)
0.08 >=0.20	CDK12 (7.8)	PGAP3 (7.0)	MED1 (6.3)
0.08 >=0.20	MMAB (3.0)	FADS1 (3.0)	APOE (2.9)
0.08 >=0.20	PGAP3 (4.8)	GRB7 (4.7)	MED1 (3.3)
0.08 >=0.20	CYP26A1 (3.5)	GLUL (2.6)	ERBB2 (2.5)
0.08 >=0.20	CCL22 (4.3)	CD40 (3.6)	CCL17 (3.3)
0.08 >=0.20	C11orf9 (3.5)	TBKBP1 (3.3)	PNMT (3.2)
0.08 >=0.20	LILRB2 (3.3)	PLTP (3.0)	SPI1 (3.0)
0.08 >=0.20	MAFF (6.4)	TRIB1 (5.9)	HERPUD1 (3.5)
0.08 >=0.20	DOK4 (3.2)	CPNE2 (2.5)	LILRB2 (2.4)
0.08 >=0.20	TAGLN (4.7)	ANGPTL4 (3.6)	RSPO3 (2.9)
0.08 >=0.20	APOC1 (3.5)	PLTP (3.5)	ABCA1 (3.2)
0.08 >=0.20	KCTD10 (2.6)	TMEM175 (2.5)	COX19 (2.3)
0.08 >=0.20	NEUROD2 (5.2)	PTPRZ1 (4.3)	CELSR2 (3.3)
0.08 >=0.20	CX3CL1 (3.9)	PPP1R1B (3.0)	CETP (2.9)
0.08 >=0.20	RELB (5.6)	CCL17 (4.5)	CD40 (4.2)
0.08 >=0.20	UBE2L3 (3.5)	PAFAH1B2 (3.4)	CLPTM1 (3.4)
0.08 >=0.20	DGKG (4.1)	DOK4 (3.1)	CX3CL1 (3.1)
0.08 >=0.20	PLA2G15 (3.6)	C18orf32 (3.1)	SLC12A3 (2.9)
0.08 >=0.20	CKAP5 (4.0)	DEPDC1 (3.4)	FEN1 (3.1)
0.08 >=0.20	CITED2 (4.3)	ARID1A (4.0)	MAFF (3.2)
0.08 >=0.20	PSMC3 (3.6)	HERPUD1 (3.4)	NPEPPS (2.7)
0.08 >=0.20	APOA4 (4.1)	SLC12A3 (3.9)	APOA1 (3.0)
0.08 >=0.20	SLC22A1 (5.9)	EPB42 (5.5)	APOC3 (5.4)
0.08 >=0.20	CCL22 (6.5)	CD40 (6.2)	CCL17 (5.7)
0.08 >=0.20	PSMC3 (5.5)	ZFAND2A (4.7)	MTCH2 (4.7)
0.08 >=0.20	RAB11B (5.5)	CCDC92 (2.8)	CMIP (2.7)

0.08	>=0.20	CCL22 (4.5)	CCL17 (4.3)	GPR146 (3.5)
0.08	>=0.20	DUSP3 (2.8)	PXK (2.4)	UBE2L3 (2.4)
0.08	>=0.20	NRBF2 (3.6)	ACAA2 (2.8)	COQ9 (2.7)
0.08	>=0.20	AGBL2 (3.2)	PGS1 (3.2)	PLA2G6 (2.9)
0.08	>=0.20	EYA3 (3.3)	CYP26A1 (3.0)	SPRYD5 (3.0)
0.08	>=0.20	PLG (6.2)	F2 (5.7)	APOA1 (5.2)
0.08	>=0.20	FPR3 (3.9)	AGBL2 (3.5)	C12orf65 (2.5)
0.08	>=0.20	CXXC1 (3.1)	BUD13 (2.9)	NUDT21 (2.8)
0.08	>=0.20	GPIHBP1 (5.5)	EXOC3L1 (5.4)	CETP (5.1)
0.08	>=0.20	NEUROD2 (4.4)	CELSR2 (2.5)	CITED2 (2.4)
0.08	>=0.20	RAPSN (3.9)	ERBB2 (2.8)	ETV5 (2.7)
0.08	>=0.20	FZD9 (3.2)	NFATC3 (2.9)	OASL (2.9)
0.08	>=0.20	PCIF1 (4.1)	RAB11B (3.5)	BUD13 (3.0)
0.08	>=0.20	ENSG00000256746 (3	PDE3A (2.9)	AGBL2 (2.9)
0.08	>=0.20	PDHB (3.8)	NDUFS3 (3.7)	DCPS (3.0)
0.08	>=0.20	RAB11B (4.2)	PAFAH1B2 (3.5)	CCDC92 (3.1)
0.08	>=0.20	BCL3 (2.9)	TRIB1 (2.8)	MYO1H (2.8)
0.08	>=0.20	TNKS (3.3)	ENSG00000247445 (3	CASC4 (3.0)
0.08	>=0.20	PLA2G15 (3.9)	FRMD5 (3.0)	ENSG00000247867 (2
0.08	>=0.20	MVK (15.1)	MMAB (13.1)	FADS1 (12.2)
0.08	>=0.20	CXXC1 (3.3)	NFATC3 (3.3)	SPG11 (3.2)
0.08	>=0.20	SLC22A1 (3.3)	ACAA2 (3.3)	PLG (3.1)
0.08	>=0.20	MAFF (5.3)	JMJD1C (4.3)	TRIB1 (3.3)
0.08	>=0.20	NOL3 (2.9)	TGM7 (2.7)	LPA (2.4)
0.08	>=0.20	SLC12A3 (4.5)	BCAM (4.4)	PVRL2 (3.8)
0.08	>=0.20	CTRL (8.5)	LILRB2 (4.7)	FPR3 (4.5)
0.08	>=0.20	DDB2 (3.3)	ZDHHC18 (3.1)	RAB11B (3.0)
0.08	>=0.20	MAFF (4.6)	TRIB1 (4.3)	FHOD1 (3.9)
0.08	>=0.20	TRIB1 (9.5)	MAFF (5.7)	CITED2 (3.6)
0.08	>=0.20	ARID1A (5.0)	PCIF1 (3.2)	CXXC1 (3.0)
0.08	>=0.20	APOC4 (3.8)	SEC14L4 (3.4)	PLG (3.1)
0.08	>=0.20	SDF2L1 (6.9)	PDIA3 (5.3)	HERPUD1 (4.6)
0.08	>=0.20	ETV5 (3.1)	CYP26A1 (3.0)	RSPO3 (3.0)
0.08	>=0.20	LRRC29 (2.7)	FBXL20 (2.6)	TTBK2 (2.4)
0.08	>=0.20	CSGALNACT1 (3.0)	ANGPTL4 (2.2)	SPRYD5 (2.0)
0.08	>=0.20	SCARB1 (4.5)	ACAA2 (3.5)	COQ9 (3.0)
0.08	>=0.20	COBLL1 (3.8)	SCARB1 (2.9)	DGKG (2.4)
0.08	>=0.20	BCAM (4.2)	SLC12A4 (3.9)	KANK2 (3.3)
0.08	>=0.20	CX3CL1 (2.7)	CD300LG (2.5)	APOE (2.4)
0.08	>=0.20	PPY (6.5)	PYY (6.1)	APOA4 (3.5)
0.08	>=0.20	RELB (4.7)	CD40 (3.9)	BCL3 (3.8)
0.08	>=0.20	CD300LG (3.7)	GRB7 (3.3)	C17orf57 (2.8)
0.08	>=0.20	SCARB1 (4.6)	APOA4 (4.0)	APOC3 (3.1)
0.08	>=0.20	TAGLN (4.8)	APOE (3.8)	SLC39A13 (3.5)
0.08	>=0.20	B3GNT9 (3.9)	TAGLN (3.8)	APOE (3.2)
0.08	>=0.20	PTPRZ1 (5.1)	SOST (4.8)	LRP4 (3.8)
0.08	>=0.20	TGM5 (4.6)	SFN (3.6)	ESRP2 (3.4)
0.08	>=0.20	CTRL (3.7)	NR1H3 (3.4)	FPR3 (2.8)
0.08	>=0.20	ENSG00000236267 (5	HNF1A (3.0)	PDE3A (2.7)
0.08	>=0.20	DR1 (3.4)	SETD8 (3.1)	NPEPPS (2.8)

0.08 >=0.20	PGAP3 (4.5)	CDK12 (4.2)	MED1 (4.1)
0.08 >=0.20	MAFF (4.2)	TRIB1 (3.5)	AFF1 (2.8)
0.08 >=0.20	ETV5 (4.2)	TRIB1 (3.8)	ENSG00000226645 (3
0.08 >=0.20	LRP4 (4.0)	TRPS1 (2.9)	PPP1R1B (2.8)
0.08 >=0.20	PDHB (4.0)	ARFGAP2 (3.8)	NDUFS3 (3.2)
0.08 >=0.20	RELB (5.8)	CD40 (5.1)	BCL3 (4.1)
0.08 >=0.20	MBD1 (3.5)	KCTD10 (3.2)	KANK2 (3.2)
0.08 >=0.20	AFF1 (4.4)	CTRL (3.8)	ZSCAN29 (3.6)
0.08 >=0.20	PDHB (4.3)	COQ9 (3.8)	NDUFS3 (3.6)
0.08 >=0.20	FBXL20 (3.5)	NAGS (3.4)	SFN (2.8)
0.08 >=0.20	COQ9 (6.8)	NDUFS3 (5.9)	PDHB (5.7)
0.08 >=0.20	SPI1 (5.2)	FHOD1 (3.2)	FPR3 (3.2)
0.08 >=0.20	CTRL (2.6)	ATG13 (2.4)	TGM5 (2.4)
0.08 >=0.20	SLC12A4 (3.5)	CBFB (2.5)	FBXL20 (2.4)
0.08 >=0.20	SDF2L1 (5.9)	PDIA3 (5.1)	ZFAND2A (4.3)
0.08 >=0.20	ENSG00000236267 (2	CD300LG (2.8)	CMIP (2.5)
0.08 >=0.20	STRC (2.5)	CDK12 (2.4)	BCL7B (2.3)
0.08 >=0.20	APOC4 (2.6)	GPAM (2.6)	ABCA8 (2.5)
0.08 >=0.20	MVK (3.4)	C12orf65 (2.9)	CYP26A1 (2.2)
0.08 >=0.20	NDUFS3 (4.3)	PDHB (4.2)	COQ9 (3.2)
0.08 >=0.20	FPR3 (4.8)	CCL22 (4.4)	CCL17 (4.2)
0.08 >=0.20	BCL7B (3.5)	DR1 (3.4)	THAP11 (2.9)
0.08 >=0.20	ERBB2 (3.7)	F2 (2.9)	APOA1 (2.8)
0.08 >=0.20	SLC39A13 (4.3)	NR1H3 (3.5)	SOST (3.4)
0.08 >=0.20	RELB (4.1)	BCL3 (3.4)	CD40 (3.2)
0.08 >=0.20	RELB (8.1)	CD40 (6.3)	CCL22 (4.7)
0.08 >=0.20	MAFF (6.0)	HERPUD1 (5.6)	TRIB1 (5.1)
0.08 >=0.20	RSPO3 (2.8)	ANGPTL4 (2.8)	MAFF (2.8)
0.09 >=0.20	EPB42 (4.7)	RANBP10 (3.8)	GFOD2 (3.4)
0.09 >=0.20	HERPUD1 (5.1)	SLC12A3 (2.9)	APOA4 (2.1)
0.09 >=0.20	MYO5B (2.8)	MST1R (2.7)	DUSP3 (2.7)
0.09 >=0.20	SFN (4.3)	ABCA1 (3.2)	ESRP2 (3.0)
0.09 >=0.20	DOCK6 (4.3)	CELSR2 (3.3)	LRP4 (3.3)
0.09 >=0.20	MT1E (5.0)	MYBPC3 (4.9)	MT1M (4.7)
0.09 >=0.20	MYBPC3 (4.3)	VEGFA (2.8)	SOST (2.5)
0.09 >=0.20	PXK (3.6)	SNX13 (2.9)	NRBF2 (2.7)
0.09 >=0.20	NR1H3 (3.4)	GPER (3.3)	ACP2 (2.9)
0.09 >=0.20	CD40 (6.5)	RELB (5.2)	CCL22 (4.7)
0.09 >=0.20	SPI1 (4.0)	SNX10 (3.1)	LILRB2 (3.0)
0.09 >=0.20	CXXC1 (3.0)	BUD13 (2.8)	ARID1A (2.5)
0.09 >=0.20	APOA4 (4.3)	APOC3 (3.8)	C11orf9 (3.6)
0.09 >=0.20	LCMT2 (3.8)	AMBRA1 (3.4)	ZSCAN29 (3.1)
0.09 >=0.20	CKAP5 (4.1)	FEN1 (3.8)	DDX28 (3.7)
0.09 >=0.20	CTRL (11.3)	PPY (4.2)	PLTP (2.8)
0.09 >=0.20	MYBPC3 (8.4)	TCAP (4.2)	FRMD5 (3.9)
0.09 >=0.20	BCL7B (4.6)	RNF214 (3.8)	CXXC1 (3.4)
0.09 >=0.20	PLA2G15 (3.6)	FPR3 (3.0)	MYO1H (2.7)
0.09 >=0.20	CITED2 (2.8)	PGS1 (2.5)	AFF1 (2.3)
0.09 >=0.20	HCAR1 (3.6)	CSGALNACT1 (2.8)	DGAT2 (2.7)
0.09 >=0.20	RELB (6.3)	CD40 (5.9)	BCL3 (5.5)

0.09 >=0.20	PSMC3 (6.4)	ZFAND2A (4.7)	MTCH2 (4.6)
0.09 >=0.20	RELB (8.0)	BCL3 (4.9)	ZDHHC18 (4.3)
0.09 >=0.20	THAP11 (4.4)	NUDT21 (3.6)	RSPRY1 (3.5)
0.09 >=0.20	MT1M (3.5)	MAFF (3.1)	C19orf80 (3.0)
0.09 >=0.20	CYP26A1 (4.5)	SOST (3.2)	ETV5 (3.1)
0.09 >=0.20	C1orf172 (4.2)	ELMO3 (3.5)	ESRP2 (3.3)
0.09 >=0.20	TTC39B (3.9)	PCSK7 (2.5)	KIAA0895L (2.5)
0.09 >=0.20	CX3CL1 (3.5)	DCPS (2.8)	MACF1 (2.5)
0.09 >=0.20	COQ9 (6.7)	NDUFS3 (5.9)	PDHB (5.8)
0.09 >=0.20	SLC12A3 (4.3)	LIPG (3.3)	VEGFA (3.0)
0.09 >=0.20	RAB11B (3.9)	CMIP (3.3)	OGFOD1 (2.8)
0.09 >=0.20	BCL3 (2.8)	ATG13 (2.5)	ENSG00000247445 (2
0.09 >=0.20	ARID1A (4.1)	MTMR3 (3.7)	PCIF1 (3.5)
0.09 >=0.20	APOA4 (7.2)	SLC12A3 (5.5)	APOC3 (4.3)
0.09 >=0.20	SPG11 (5.9)	TP53BP1 (4.5)	FAM192A (3.9)
0.09 >=0.20	MYBPC3 (5.6)	TCAP (4.7)	FRMD5 (3.8)
0.09 >=0.20	DOK4 (3.5)	MST1R (3.4)	PTPRZ1 (3.1)
0.09 >=0.20	EYA3 (3.2)	THAP11 (3.1)	BCL7B (3.0)
0.09 >=0.20	LRP4 (3.2)	ENSG00000229043 (3	NFATC3 (2.6)
0.09 >=0.20	SDF2L1 (6.9)	ZFAND2A (5.0)	PDIA3 (4.2)
0.09 >=0.20	MACF1 (3.7)	TAGLN (2.9)	PPIP5K1 (2.9)
0.09 >=0.20	FHOD1 (3.3)	MAFF (2.8)	VEGFA (2.7)
0.09 >=0.20	MYBPC3 (8.7)	TCAP (6.4)	FRMD5 (3.7)
0.09 >=0.20	MVK (7.9)	FADS1 (7.1)	FADS2 (7.1)
0.09 >=0.20	SPI1 (4.3)	DPEP2 (3.9)	ETV5 (3.6)
0.09 >=0.20	BCL3 (4.0)	RBM5 (3.9)	HDAC5 (3.4)
0.09 >=0.20	NUDT21 (3.5)	ENSG00000223745 (3	DR1 (3.4)
0.09 >=0.20	PTPRZ1 (4.3)	ABHD6 (3.1)	TMEM62 (3.0)
0.09 >=0.20	MTMR3 (3.5)	HDAC5 (3.0)	SNX13 (2.7)
0.09 >=0.20	CETP (3.9)	PLA2G15 (3.7)	ACP2 (3.6)
0.09 >=0.20	EXOC3L1 (4.7)	DOCK6 (4.4)	RSPO3 (3.0)
0.09 >=0.20	SDF2L1 (5.7)	HERPUD1 (4.0)	TMEM101 (3.9)
0.09 >=0.20	ELMO3 (2.9)	DOK4 (2.6)	TGM5 (2.5)
0.09 >=0.20	HERPUD1 (4.2)	PDIA3 (4.0)	SDF2L1 (3.6)
0.09 >=0.20	EXOC3L1 (4.6)	DPEP2 (3.3)	C16orf86 (2.9)
0.09 >=0.20	TECTB (4.4)	GPAM (2.5)	EXOC3L1 (2.4)
0.09 >=0.20	CYP26A1 (3.1)	RSPO3 (2.4)	TAGLN (2.4)
0.09 >=0.20	RLTPR (3.1)	APOC4 (2.7)	ZDHHC18 (2.4)
0.09 >=0.20	BMP8A (3.4)	NEUROD2 (3.2)	PTPRZ1 (3.0)
0.09 >=0.20	RELB (6.2)	CD40 (4.9)	ZFAND2A (4.0)
0.09 >=0.20	SLC12A3 (3.6)	C18orf32 (3.5)	MIEN1 (3.1)
0.09 >=0.20	MYBPC3 (9.4)	TCAP (6.7)	FRMD5 (3.8)
0.09 >=0.20	SPI1 (5.2)	FHOD1 (3.6)	ETV5 (3.0)
0.09 >=0.20	SLC12A3 (5.3)	ACP2 (3.2)	CLPTM1 (2.8)
0.09 >=0.20	RELB (5.6)	CCL17 (4.2)	EPB42 (4.1)
0.09 >=0.20	PDHB (3.3)	ARFGAP2 (3.2)	MTCH2 (2.7)
0.09 >=0.20	ACP2 (4.0)	PLA2G15 (3.8)	PLTP (3.4)
0.09 >=0.20	DPEP3 (3.0)	ARID1A (3.0)	AFF1 (2.9)
0.09 >=0.20	APOA5 (6.6)	APOC4 (5.9)	CPS1 (5.8)
0.09 >=0.20	CXXC1 (3.9)	AFF1 (3.9)	HDAC5 (3.3)

0.09	>=0.20	SFN (4.6)	C1orf172 (3.3)	AMBRA1 (3.1)
0.09	>=0.20	DOCK6 (3.3)	GPR146 (3.0)	GPIHBP1 (2.7)
0.09	>=0.20	GNAO1 (2.9)	NEUROD2 (2.9)	CX3CL1 (2.5)
0.09	>=0.20	CCL22 (5.3)	CCL17 (4.5)	LILRB2 (3.7)
0.09	>=0.20	PPP1R1B (2.6)	PPIP5K1 (2.5)	ARHGAP1 (2.3)
0.09	>=0.20	RAB11B (3.8)	RSPRY1 (2.9)	IGF2R (2.7)
0.09	>=0.20	DDB2 (3.0)	NFATC3 (3.0)	CITED2 (2.9)
0.09	>=0.20	APOA4 (3.7)	APOC3 (3.5)	KLF14 (2.7)
0.09	>=0.20	ZNF335 (3.0)	TBL2 (2.9)	PDHB (2.9)
0.09	>=0.20	FPR3 (6.5)	NLRC5 (4.9)	PSMB10 (4.5)
0.09	>=0.20	SDF2L1 (4.3)	TMED5 (3.4)	SNX13 (3.4)
0.09	>=0.20	CPNE2 (3.2)	ZFAND2A (2.9)	SDF2L1 (2.7)
0.09	>=0.20	PSMC3 (3.8)	KPNB1 (3.7)	NUTF2 (3.3)
0.09	>=0.20	PSMC3 (4.6)	MTCH2 (4.3)	ARFGAP2 (3.0)
0.09	>=0.20	CCL17 (5.4)	CCL22 (3.9)	ZDHHC18 (3.8)
0.09	>=0.20	SDF2L1 (5.2)	PDIA3 (5.1)	HERPUD1 (3.6)
0.09	>=0.20	ENSG00000179523 (3	AGBL2 (3.1)	LIPC (3.0)
0.09	>=0.20	HERPUD1 (6.1)	OGFOD1 (3.1)	PARD6A (3.1)
0.09	>=0.20	NRBF2 (4.4)	SLC7A6OS (3.8)	CMIP (3.4)
0.09	>=0.20	NLRC5 (6.0)	PDIA3 (4.4)	SDF2L1 (4.3)
0.09	>=0.20	JMJD1C (2.4)	PTPRZ1 (2.4)	LRP4 (2.3)
0.09	>=0.20	ATG13 (4.5)	SDF2L1 (3.4)	PDIA3 (3.4)
0.09	>=0.20	APOA1 (3.6)	ST3GAL4 (3.2)	SCARB1 (2.7)
0.09	>=0.20	SLC12A3 (6.0)	PLG (3.0)	ACP2 (3.0)
0.09	>=0.20	SPI1 (3.1)	LILRB2 (2.5)	RBM5 (2.3)
0.09	>=0.20	EPB42 (13.2)	RANBP10 (5.6)	APOC4 (3.9)
0.09	>=0.20	LILRB2 (2.9)	SPI1 (2.9)	ZDHHC18 (2.7)
0.09	>=0.20	ZNF350 (2.9)	ACAA2 (2.5)	PLA2G15 (2.3)
0.09	>=0.20	MYBPC3 (6.6)	PGAP3 (5.3)	DOK4 (5.1)
0.09	>=0.20	AMFR (4.3)	UBE2L3 (3.5)	MST1R (2.8)
0.09	>=0.20	MT1H (3.4)	MT1M (3.2)	MT1E (3.0)
0.09	>=0.20	NAGS (2.4)	ENSG00000247445 (2	OR4A21P (2.3)
0.09	>=0.20	RSPO3 (3.4)	BMP8A (3.3)	OR5I1 (2.7)
0.09	>=0.20	MMAB (3.7)	FADS1 (3.2)	FADS2 (3.0)
0.09	>=0.20	ETV5 (4.2)	C11orf9 (4.2)	CPNE2 (3.3)
0.09	>=0.20	MYBPC3 (8.5)	TCAP (5.3)	BCAM (3.4)
0.09	>=0.20	SDF2L1 (5.6)	G6PC3 (5.3)	PDIA3 (5.2)
0.09	>=0.20	APOE (3.4)	DPEP3 (2.6)	CATSPER2 (2.6)
0.09	>=0.20	LIPC (3.8)	ENSG00000181296 (3	PLG (3.1)
0.09	>=0.20	TRIB1 (7.0)	MAFF (5.5)	CITED2 (5.0)
0.09	>=0.20	C12orf43 (2.9)	AFF1 (2.7)	SLC7A6 (2.7)
0.1	>=0.20	PGAP3 (3.7)	GRB7 (3.1)	FPR3 (3.0)
0.1	>=0.20	RSPO3 (3.2)	CETP (2.5)	EYA3 (2.3)
0.1	>=0.20	UBE3B (3.3)	ARHGAP1 (3.1)	CD300LG (3.1)
0.1	>=0.20	SLC12A4 (3.3)	ABCA1 (3.1)	PVRL2 (3.1)
0.1	>=0.20	ZNF408 (3.9)	PCIF1 (3.4)	RBM6 (3.4)
0.1	>=0.20	NRBF2 (3.2)	CD36 (2.6)	RELB (2.6)
0.1	>=0.20	PPY (5.3)	PYY (4.3)	ABCB9 (3.0)
0.1	>=0.20	DPEP3 (4.7)	NFATC3 (3.2)	SCARB1 (2.5)
0.1	>=0.20	FEN1 (5.0)	SKA1 (4.7)	DEPDC1 (4.7)

0.1	>=0.20	PLG (3.9)	APOA1 (3.5)	F2 (3.4)
0.1	>=0.20	SETD8 (3.7)	ZNF664 (3.1)	GRB7 (3.0)
0.1	>=0.20	LRRC29 (3.2)	HCAR1 (3.1)	ENSG00000181296 (3
0.1	>=0.20	CITED2 (2.9)	RSPRY1 (2.6)	MYO5B (2.5)
0.1	>=0.20	RBPJ (2.5)	ENSG00000226645 (2	RAB11B (2.3)
0.1	>=0.20	SLC22A1 (8.0)	LPA (7.3)	APOC4 (5.6)
0.1	>=0.20	DOCK6 (4.3)	CYP2W1 (3.2)	VEGFA (3.2)
0.1	>=0.20	PLG (4.5)	LIPC (3.3)	SLC22A1 (3.3)
0.1	>=0.20	RBM5 (3.8)	ENSG00000182109 (3	RBM6 (3.2)
0.1	>=0.20	GPAM (5.1)	MMAB (3.5)	PDHB (3.3)
0.1	>=0.20	RSPO3 (3.4)	ETV5 (3.4)	C11orf9 (3.1)
0.1	>=0.20	GPR146 (3.0)	PDE3A (2.7)	SPI1 (2.6)
0.1	>=0.20	KCTD6 (3.1)	ZNF613 (2.8)	PLA2G6 (2.5)
0.1	>=0.20	NAGS (3.2)	GPER (3.2)	APOC4 (2.9)
0.1	>=0.20	SLC22A1 (5.5)	APOC4 (5.2)	SCARB1 (5.0)
0.1	>=0.20	PSKH1 (3.1)	ATG13 (2.7)	CD300LG (2.6)
0.1	>=0.20	HERPUD1 (4.1)	SCARB1 (3.2)	CCL17 (2.8)
0.1	>=0.20	VEGFA (3.4)	PPY (3.2)	HCAR1 (2.7)
0.1	>=0.20	FPR3 (4.9)	CX3CL1 (3.5)	PTPRJ (3.4)
0.1	>=0.20	SFN (5.1)	TGM5 (4.7)	ESRP2 (3.5)
0.1	>=0.20	EPB42 (4.2)	CENPT (3.6)	SKA1 (2.8)
0.1	>=0.20	PIGV (5.6)	KBTBD4 (3.8)	MMAB (3.4)
0.1	>=0.20	MYO1H (3.5)	RLTPR (3.0)	ZNF615 (2.7)
0.1	>=0.20	SPRYD5 (2.8)	RLTPR (2.8)	RAB11B (2.5)
0.1	>=0.20	LIPG (3.3)	PTPRZ1 (3.2)	NEUROD2 (3.2)
0.1	>=0.20	SLC39A13 (3.3)	OR4A1P (3.3)	KIAA0754 (3.0)
0.1	>=0.20	MVK (10.8)	MMAB (10.2)	FADS1 (9.9)
0.1	>=0.20	TAGLN (5.0)	NUTF2 (3.4)	ARHGAP1 (3.4)
0.1	>=0.20	TRNP1 (3.0)	DOCK6 (2.7)	PVRL2 (2.6)
0.1	>=0.20	CD300LG (3.1)	BMP8A (3.0)	FNBP4 (2.2)
0.1	>=0.20	PSMC3 (5.8)	MTCH2 (4.1)	ZFAND2A (3.8)
0.1	>=0.20	OR4A1P (3.6)	TBKBP1 (3.3)	DOCK6 (3.1)
0.1	>=0.20	C1orf172 (5.1)	ESRP2 (4.9)	ELMO3 (4.1)
0.1	>=0.20	TRIB1 (3.9)	RAB11B (3.6)	DUSP3 (2.9)
0.1	>=0.20	PVRL2 (3.3)	DOK4 (3.0)	CCL22 (2.8)
0.1	>=0.20	RBM6 (3.3)	MT1H (2.4)	FNBP4 (2.3)
0.1	>=0.20	NOL3 (2.9)	CD36 (2.8)	GLUL (2.7)
0.1	>=0.20	NRBF2 (4.6)	SPI1 (3.7)	LILRB2 (3.6)
0.1	>=0.20	LILRA3 (4.0)	LILRB2 (3.8)	OASL (3.5)
0.1	>=0.20	SLC39A13 (3.4)	SLC12A4 (3.4)	GPIHBP1 (2.7)
0.1	>=0.20	ETV5 (4.3)	ENSG00000226645 (4	TRIB1 (3.9)
0.1	>=0.20	ZNF613 (3.3)	ZNF614 (2.3)	AGBL2 (2.3)
0.1	>=0.20	ZNF613 (3.3)	ZNF614 (2.3)	AGBL2 (2.3)
0.1	>=0.20	MLXIPL (3.9)	RAPSN (3.9)	LPL (3.6)
0.1	>=0.20	PPP1R1B (3.0)	TRPS1 (2.9)	CD300LG (2.8)
0.1	>=0.20	OASL (5.4)	LILRB2 (4.5)	LILRA3 (3.3)
0.1	>=0.20	DR1 (3.2)	CBFB (2.8)	MBD1 (2.7)
0.1	>=0.20	C18orf32 (3.0)	KIAA0754 (2.6)	UBE3B (2.6)
0.1	>=0.20	C18orf32 (3.0)	KIAA0754 (2.6)	UBE3B (2.6)
0.1	>=0.20	PDIA3 (6.6)	SDF2L1 (5.6)	LCAT (3.9)

0.1	>=0.20	ENSG00000256746 (E	XKR8 (3.2)	PLA2G15 (3.0)
0.1	>=0.20	OASL (12.6)	PSMB10 (4.0)	BCL3 (3.0)
0.1	>=0.20	PYY (2.8)	DOCK6 (2.6)	BACE1 (2.6)
0.1	>=0.20	PGAP3 (4.6)	PNMT (3.6)	TECTB (3.2)
0.1	>=0.20	OASL (4.3)	LILRB2 (3.4)	CD40 (3.2)
0.1	>=0.20	TTBK2 (2.8)	LCAT (2.8)	BUD13 (2.7)
0.1	>=0.20	LPA (6.7)	APOA5 (5.6)	APOC4 (4.9)
0.1	>=0.20	MPP2 (3.5)	CELSR2 (3.2)	ABCB9 (3.2)
0.1	>=0.20	PYY (3.4)	NEUROD2 (3.2)	MLXIPL (2.9)
0.1	>=0.20	PDHB (3.6)	ARFGAP2 (3.0)	PPIP5K1 (2.6)
0.1	>=0.20	ZNF615 (3.2)	RAPSN (3.2)	ETV5 (3.0)
0.1	>=0.20	CELF1 (2.9)	PNMT (2.8)	TCAP (2.5)
0.1	>=0.20	ESRP2 (5.8)	SFN (5.7)	C1orf172 (4.2)
0.1	>=0.20	RBM6 (3.7)	BAZ1B (3.5)	FNBP4 (3.4)
0.1	>=0.20	FADS2 (5.7)	FADS1 (5.0)	CES4A (4.0)
0.1	>=0.20	ACAA2 (6.7)	ANGPTL4 (3.3)	PLA2G6 (3.3)
0.1	>=0.20	PPP1R1B (3.3)	GPR146 (3.0)	MT1M (2.8)
0.1	>=0.20	VEGFA (4.6)	GPIHBP1 (3.9)	MAFF (3.7)
0.1	>=0.20	HDAC5 (4.3)	JMJD1C (3.3)	ARID1A (3.2)
0.1	>=0.20	LPA (5.1)	SLC22A1 (3.3)	C16orf86 (3.0)
0.1	>=0.20	LILRA3 (2.6)	ABHD6 (2.4)	C7orf50 (2.4)
0.1	>=0.20	LILRA3 (3.8)	XKR8 (2.6)	LILRB2 (2.6)
0.1	>=0.20	CITED2 (3.1)	BCAM (2.8)	ARID1A (2.8)
0.1	>=0.20	XKR8 (3.1)	OASL (2.8)	OR4A21P (2.7)
0.1	>=0.20	DCPS (3.9)	DYM (3.1)	CTDSPL2 (2.9)
0.1	>=0.20	NRBF2 (4.2)	PGS1 (3.4)	LILRB2 (3.2)
0.1	>=0.20	RSPO3 (4.1)	CD36 (2.8)	NOL3 (2.7)
0.11	>=0.20	RBM5 (3.9)	FNBP4 (3.6)	RANBP10 (3.2)
0.11	>=0.20	TMEM208 (4.4)	MON1A (4.0)	CES4A (3.3)
0.11	>=0.20	PGAP3 (3.6)	MIEN1 (2.5)	ERBB2 (2.5)
0.11	>=0.20	RLTPR (4.4)	RELB (3.7)	PITPNM2 (3.6)
0.11	>=0.20	ARFGAP2 (3.5)	PDHB (3.2)	COQ9 (2.7)
0.11	>=0.20	BCL3 (3.2)	ZDHHC18 (3.0)	CCL17 (3.0)
0.11	>=0.20	RELB (5.5)	BCL3 (5.2)	PTPRJ (3.8)
0.11	>=0.20	PSMC3 (5.7)	ZFAND2A (4.5)	MTCH2 (3.9)
0.11	>=0.20	CCL22 (4.2)	PGS1 (3.2)	CCL17 (3.2)
0.11	>=0.20	ENSG00000255507 (E	DPEP2 (2.7)	TGM5 (2.6)
0.11	>=0.20	TNKS (5.3)	INTS10 (3.2)	CSGALNACT1 (2.9)
0.11	>=0.20	SLC12A3 (3.9)	NAGS (3.2)	HERPUD1 (3.1)
0.11	>=0.20	ZNF614 (3.1)	DNAH10 (3.0)	C17orf105 (2.6)
0.11	>=0.20	PTPRJ (2.7)	GALNT2 (2.5)	PITPNM2 (2.4)
0.11	>=0.20	ENSG00000223745 (4	TGM5 (3.5)	CCDC11 (3.2)
0.11	>=0.20	UBE2L3 (3.1)	ZNF335 (2.9)	MPP2 (2.8)
0.11	>=0.20	DYM (3.5)	FHOD1 (3.3)	MBD1 (3.1)
0.11	>=0.20	HERPUD1 (5.0)	ACD (3.4)	NUTF2 (3.0)
0.11	>=0.20	CCL17 (6.9)	CCL22 (4.0)	LILRB2 (3.8)
0.11	>=0.20	TNKS (4.4)	TP53BP1 (3.6)	CCDC18 (3.3)
0.11	>=0.20	GRB7 (5.3)	SFN (4.9)	CYP2W1 (3.9)
0.11	>=0.20	C12orf65 (4.2)	NAGS (3.6)	LIPC (3.1)
0.11	>=0.20	ENSG00000256746 (E	PLA2G15 (3.3)	XKR8 (3.3)

0.11	>=0.20	SDF2L1 (5.8)	PDIA3 (5.3)	HERPUD1 (3.6)
0.11	>=0.20	DR1 (2.6)	BCL7B (2.6)	MADD (2.2)
0.11	>=0.20	PCIF1 (3.3)	DR1 (3.2)	ARID1A (3.0)
0.11	>=0.20	NCOA5 (5.3)	BCL7B (4.6)	MED1 (3.6)
0.11	>=0.20	ENSG00000226645 (2	ENSG00000254235 (2	FBXL20 (2.2)
0.11	>=0.20	NLRC5 (3.3)	PSMB10 (2.8)	CIAPIN1 (2.7)
0.11	>=0.20	FNBP4 (3.8)	RBM6 (3.6)	BAZ1B (2.9)
0.11	>=0.20	SOST (3.1)	PLG (3.0)	ABCA8 (3.0)
0.11	>=0.20	CCL17 (2.9)	AGBL2 (2.7)	DNAH10 (2.7)
0.11	>=0.20	MYBPC3 (2.7)	PDE3A (2.6)	LPL (2.4)
0.11	>=0.20	ENSG00000226645 (3	MYO1H (2.4)	RBPJ (2.3)
0.11	>=0.20	ENSG00000226645 (3	MYO1H (2.4)	RBPJ (2.3)
0.11	>=0.20	CETP (5.2)	CCL17 (4.8)	CCL22 (4.4)
0.11	>=0.20	CYP26A1 (3.6)	MACF1 (3.5)	LIPG (2.8)
0.11	>=0.20	SLC39A13 (2.9)	FRMD5 (2.7)	NUTF2 (2.5)
0.11	>=0.20	PVRL2 (3.3)	CYP26A1 (3.1)	PTPRZ1 (2.7)
0.11	>=0.20	TMEM208 (4.6)	TBL2 (3.2)	TMEM175 (3.1)
0.11	>=0.20	C16orf86 (3.8)	SLC22A1 (3.7)	ENSG00000254235 (3
0.11	>=0.20	PACSIN3 (2.6)	REEP3 (2.6)	LCAT (2.6)
0.11	>=0.20	TCAP (8.1)	MYBPC3 (6.7)	PACSIN3 (3.7)
0.11	>=0.20	MMAB (12.1)	MVK (11.3)	FADS2 (8.4)
0.11	>=0.20	KIAA0895L (2.6)	C12orf65 (2.5)	CCL22 (2.0)
0.11	>=0.20	ETV5 (3.2)	CD300LG (2.8)	CX3CL1 (2.7)
0.11	>=0.20	AMBRA1 (3.4)	PACSIN3 (3.2)	THAP11 (3.0)
0.11	>=0.20	AMBRA1 (3.4)	PACSIN3 (3.2)	THAP11 (3.0)
0.11	>=0.20	AMBRA1 (3.4)	PACSIN3 (3.2)	THAP11 (3.0)
0.11	>=0.20	JMJD1C (4.1)	MAFF (3.8)	BCL7B (3.0)
0.11	>=0.20	NCOA5 (3.2)	CXXC1 (3.2)	BCL7B (2.8)
0.11	>=0.20	TGM5 (4.3)	SFN (4.0)	ELMO3 (3.4)
0.11	>=0.20	UBE3B (2.8)	PDHB (2.6)	MTCH2 (2.6)
0.11	>=0.20	GPN2 (3.3)	DR1 (3.3)	SBNO1 (3.2)
0.11	>=0.20	CTRL (8.4)	APOA4 (5.5)	NR0B2 (4.4)
0.11	>=0.20	ARID1A (4.0)	SBNO1 (3.5)	AMBRA1 (3.4)
0.11	>=0.20	TCAP (4.6)	RAPSN (4.4)	C11orf9 (4.0)
0.11	>=0.20	KCTD19 (3.2)	NOL3 (2.9)	C17orf105 (2.9)
0.11	>=0.20	GPIHBP1 (2.9)	DUS2L (2.9)	MTCH2 (2.8)
0.11	>=0.20	PLTP (3.3)	APOE (3.2)	ABCA8 (3.0)
0.11	>=0.20	ETV5 (3.4)	ZNF614 (2.9)	SPRYD5 (2.5)
0.11	>=0.20	ACAA2 (5.1)	SEC14L4 (4.0)	PDHB (3.8)
0.11	>=0.20	PITPNM2 (2.9)	MT1H (2.9)	MT1X (2.6)
0.11	>=0.20	ARID1A (4.6)	BAZ1B (4.1)	NCOA5 (3.2)
0.11	>=0.20	RELB (3.3)	UBE2L3 (3.2)	RBM5 (3.0)
0.11	>=0.20	BCAM (4.9)	SLC12A4 (4.1)	PLTP (3.2)
0.11	>=0.20	ABCA1 (2.9)	CPNE2 (2.9)	BACE1 (2.9)
0.11	>=0.20	ZFAND2A (3.8)	RELB (3.2)	FHOD1 (2.9)
0.11	>=0.20	ZFAND2A (3.8)	RELB (3.2)	FHOD1 (2.9)
0.11	>=0.20	ZFAND2A (3.8)	RELB (3.2)	FHOD1 (2.9)
0.11	>=0.20	ZFAND2A (3.8)	RELB (3.2)	FHOD1 (2.9)
0.11	>=0.20	ZFAND2A (3.8)	RELB (3.2)	FHOD1 (2.9)
0.11	>=0.20	CDK12 (4.9)	ARID1A (4.4)	PGAP3 (4.4)

0.11 >=0.20	BCAM (4.3)	DDB2 (3.7)	ABCA8 (3.3)
0.11 >=0.20	BCL3 (3.4)	ABCA8 (2.5)	TBKBP1 (2.5)
0.11 >=0.20	MFAP1 (4.1)	THAP11 (3.4)	DR1 (3.1)
0.11 >=0.20	CCL17 (3.9)	FPR3 (3.3)	CCL22 (2.8)
0.11 >=0.20	C1orf172 (6.1)	ELMO3 (5.6)	ESRP2 (5.4)
0.11 >=0.20	LILRB2 (3.5)	FPR3 (3.4)	APOE (2.8)
0.11 >=0.20	OGFOD1 (3.6)	DUS2L (3.6)	RSPRY1 (3.6)
0.11 >=0.20	TRIB1 (7.5)	MAFF (5.6)	CITED2 (5.2)
0.11 >=0.20	TAGLN (4.3)	SLC22A1 (2.5)	SLC39A13 (2.5)
0.11 >=0.20	SNX13 (3.1)	KLHL8 (2.6)	PSKH1 (2.4)
0.11 >=0.20	PYY (5.0)	RBPJ (3.4)	MST1R (3.1)
0.11 >=0.20	PPY (5.4)	PYY (4.2)	ABCB9 (3.4)
0.11 >=0.20	RELB (2.8)	ARHGAP1 (2.7)	CBFB (2.5)
0.11 >=0.20	EPB42 (5.7)	DPEP2 (3.4)	NR0B2 (2.8)
0.11 >=0.20	RELB (5.3)	BCL3 (4.0)	MAFF (3.8)
0.11 >=0.20	SFN (4.2)	CELSR2 (3.4)	C1orf172 (3.3)
0.11 >=0.20	HERPUD1 (4.6)	SDF2L1 (3.4)	MACF1 (2.8)
0.11 >=0.20	SKA1 (4.3)	BCL7B (4.0)	WDR76 (3.6)
0.11 >=0.20	MAFF (3.2)	MBD1 (3.2)	CITED2 (2.7)
0.11 >=0.20	NCOA5 (3.2)	ARID1A (3.1)	BAZ1B (2.8)
0.11 >=0.20	CDK12 (4.9)	PGAP3 (3.6)	EDC4 (3.6)
0.11 >=0.20	MPHOSPH9 (4.8)	ADAL (2.8)	TNKS (2.8)
0.11 >=0.20	AGBL2 (3.0)	TMEM62 (2.9)	PLA2G6 (2.9)
0.11 >=0.20	ENSG00000256746 (3	TECTB (3.2)	OR5L2 (2.3)
0.11 >=0.20	SPI1 (3.3)	SOST (2.9)	FHOD1 (2.7)
0.11 >=0.20	PPP1R1B (3.5)	TRPS1 (2.6)	PPIP5K1 (2.5)
0.11 >=0.20	OR5L2 (3.4)	KLF14 (3.3)	ZNF614 (3.0)
0.11 >=0.20	OASL (4.6)	SNORD58C (3.3)	C7orf50 (3.0)
0.11 >=0.20	CELF1 (3.3)	KANK2 (3.1)	NFATC3 (2.9)
0.11 >=0.20	PDIA3 (8.1)	SDF2L1 (6.6)	HERPUD1 (3.8)
0.11 >=0.20	PDIA3 (8.1)	SDF2L1 (6.6)	HERPUD1 (3.8)
0.11 >=0.20	SIK3 (3.7)	BCL3 (3.4)	RELB (3.0)
0.11 >=0.20	TMEM208 (5.2)	SDF2L1 (4.7)	SLC7A6 (3.3)
0.11 >=0.20	AMFR (3.8)	HDAC5 (3.0)	GFOD2 (2.9)
0.11 >=0.20	MACF1 (4.0)	TAGLN (3.1)	PPIP5K1 (3.0)
0.11 >=0.20	APOA5 (5.6)	SLC22A1 (5.5)	ENSG00000254235 (4
0.11 >=0.20	GALNT2 (4.5)	FZD9 (4.0)	ENSG00000181123 (3
0.11 >=0.20	CDK12 (5.1)	JMJD1C (4.1)	PGAP3 (3.7)
0.12 >=0.20	LRRC29 (3.0)	ENSG00000179523 (2	ENSG00000229043 (2
0.12 >=0.20	SDF2L1 (7.1)	PDIA3 (6.1)	CETP (4.4)
0.12 >=0.20	MACF1 (3.8)	COBLL1 (3.1)	PPIP5K1 (3.1)
0.12 >=0.20	PGS1 (3.3)	LILRA3 (2.9)	ST3GAL4 (2.9)
0.12 >=0.20	ENSG00000247867 (2	LRP4 (2.3)	NEUROD2 (2.3)
0.12 >=0.20	PSMC3 (5.9)	ZFAND2A (5.1)	MTCH2 (3.9)
0.12 >=0.20	ARID1A (3.7)	BCL3 (3.4)	TRIB1 (3.3)
0.12 >=0.20	RELB (4.3)	CD40 (3.8)	BCL3 (3.7)
0.12 >=0.20	SPI1 (3.1)	CMIP (2.8)	UBE2L3 (2.7)
0.12 >=0.20	B3GNT9 (3.4)	PVRL2 (3.3)	ARHGAP1 (2.9)
0.12 >=0.20	RSPO3 (3.3)	DOCK6 (2.5)	CMIP (2.3)
0.12 >=0.20	CD40 (3.3)	LILRA3 (3.1)	OASL (3.0)

0.12 >=0.20	ARHGAP1 (3.4)	KCTD10 (2.8)	RAB11B (2.8)
0.12 >=0.20	TTBK2 (2.6)	LRRC29 (2.5)	BCL7B (2.4)
0.12 >=0.20	CITED2 (3.3)	LIPG (2.7)	TRIB1 (2.6)
0.12 >=0.20	CDK12 (4.3)	GPN2 (4.0)	PGAP3 (3.9)
0.12 >=0.20	NCOA5 (4.1)	SMPD3 (3.8)	CXXC1 (3.2)
0.12 >=0.20	SLC22A1 (6.4)	LPA (6.1)	APOC4 (4.9)
0.12 >=0.20	TECTB (3.3)	PPY (3.3)	PYY (2.8)
0.12 >=0.20	CTRL (14.8)	NR0B2 (4.4)	APOA4 (4.4)
0.12 >=0.20	CCL22 (4.9)	CCL17 (4.1)	RELB (3.1)
0.12 >=0.20	MMAB (4.9)	MVK (3.6)	SEC14L4 (3.2)
0.12 >=0.20	LILRA3 (4.7)	LILRB2 (4.7)	ANGPTL4 (3.8)
0.12 >=0.20	RAB11B (2.7)	CCDC18 (2.7)	TTBK2 (2.7)
0.12 >=0.20	TRIB1 (6.8)	MAFF (6.1)	ETV5 (5.2)
0.12 >=0.20	RLTPR (3.1)	ACP2 (2.9)	FPR3 (2.8)
0.12 >=0.20	PTPRJ (2.6)	CPNE2 (2.2)	FHOD1 (2.1)
0.12 >=0.20	RBM6 (3.6)	NCOA5 (2.9)	CITED2 (2.5)
0.12 >=0.20	TAGLN (5.7)	ARHGAP1 (3.9)	FHOD1 (3.4)
0.12 >=0.20	BCL3 (3.1)	SETD8 (2.7)	ZNF335 (2.6)
0.12 >=0.20	TAGLN (4.5)	MACF1 (3.8)	KIAA0754 (2.8)
0.12 >=0.20	TAGLN (4.0)	FPR3 (3.1)	APOE (3.1)
0.12 >=0.20	KANK2 (4.7)	MBD1 (3.2)	TAGLN (3.0)
0.12 >=0.20	C12orf43 (3.2)	LSM12 (2.7)	MPHOSPH9 (2.7)
0.12 >=0.20	MT1M (3.0)	LSM12 (2.7)	C17orf57 (2.7)
0.12 >=0.20	SLC12A4 (2.9)	RSPO3 (2.7)	FZD9 (2.2)
0.12 >=0.20	MTMR3 (4.5)	AFF1 (3.6)	PCSK7 (3.5)
0.12 >=0.20	PDE3A (3.1)	KLF14 (2.8)	C16orf86 (2.6)
0.12 >=0.20	FADS1 (5.4)	MVK (5.4)	MMAB (5.2)
0.12 >=0.20	FADS1 (5.4)	MVK (5.4)	MMAB (5.2)
0.12 >=0.20	SLC22A1 (11.2)	LPA (7.8)	APOA5 (5.8)
0.12 >=0.20	ACAA2 (4.4)	FADS1 (4.1)	FADS2 (3.9)
0.12 >=0.20	MYBPC3 (8.2)	PDE3A (5.3)	VEGFA (4.4)
0.12 >=0.20	SPRYD5 (3.8)	EYA3 (2.3)	LPL (2.1)
0.12 >=0.20	DYM (4.0)	MTMR3 (2.9)	AMBRA1 (2.8)
0.12 >=0.20	AMBRA1 (4.6)	NCOA5 (3.8)	DDX28 (3.6)
0.12 >=0.20	SLC12A4 (2.9)	LRP4 (2.7)	PACSIN3 (2.4)
0.12 >=0.20	SNX13 (3.9)	RBM6 (2.9)	PXK (2.9)
0.12 >=0.20	CDK12 (7.4)	PGAP3 (6.2)	ERBB2 (6.1)
0.12 >=0.20	CCNDBP1 (3.0)	DYM (2.8)	PRMT7 (2.8)
0.12 >=0.20	C17orf105 (3.7)	KCTD19 (3.6)	NOL3 (3.1)
0.12 >=0.20	NLRC5 (3.6)	LILRB2 (3.1)	XKR8 (2.8)
0.12 >=0.20	BCL3 (3.8)	RBPJ (3.2)	RELB (3.1)
0.12 >=0.20	PSMC3 (6.6)	MTCH2 (4.6)	ZFAND2A (4.6)
0.12 >=0.20	APOA4 (3.3)	ACP2 (3.0)	G6PC3 (2.9)
0.12 >=0.20	APOA4 (4.5)	HNF1A (3.3)	SLC12A3 (2.9)
0.12 >=0.20	ARID1A (4.2)	ZNF335 (3.8)	FNBP4 (3.6)
0.12 >=0.20	PCIF1 (3.0)	CELSR2 (2.8)	ERBB2 (2.7)
0.12 >=0.20	TRIB1 (7.7)	MAFF (6.7)	ETV5 (6.5)
0.12 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.2)
0.12 >=0.20	PVRL2 (3.4)	SLC39A13 (2.9)	ABCA8 (2.5)
0.12 >=0.20	TRIB1 (7.7)	MAFF (6.9)	ETV5 (6.4)

0.12 >=0.20	NPEPPS (3.7)	HDAC5 (2.5)	SNX13 (2.5)
0.12 >=0.20	EYA3 (3.1)	ZFAND2A (3.1)	CTRL (2.9)
0.12 >=0.20	ANGPTL4 (3.4)	TRPS1 (3.3)	B3GNT9 (3.1)
0.12 >=0.20	APOC1 (3.7)	F2 (3.3)	CLPTM1 (2.9)
0.12 >=0.20	OGFOD1 (3.6)	ZNF259 (3.5)	TOMM40 (3.4)
0.12 >=0.20	BUD13 (3.6)	ATG13 (3.5)	GPN2 (3.1)
0.12 >=0.20	TAGLN (4.6)	LPL (3.1)	MACF1 (2.7)
0.12 >=0.20	FNBP4 (3.9)	RBM6 (3.8)	NCOA5 (3.7)
0.12 >=0.20	AMBRA1 (4.1)	LCMT2 (3.5)	ZNF614 (3.2)
0.12 >=0.20	SCARB1 (2.6)	MAFF (2.2)	ETV5 (2.2)
0.12 >=0.20	DPEP3 (6.0)	PLEKHG4 (3.1)	KCTD19 (2.9)
0.12 >=0.20	SPI1 (2.0)	SLC22A1 (1.9)	CETP (1.8)
0.12 >=0.20	MPP2 (4.5)	MPP3 (3.7)	PITPNM2 (3.5)
0.12 >=0.20	SPI1 (4.4)	CD40 (4.2)	RLTPR (3.6)
0.12 >=0.20	GPN2 (4.0)	OGFOD1 (3.7)	TMEM208 (3.2)
0.12 >=0.20	DOCK6 (3.7)	ENSG00000226645 (3	EXOC3L1 (3.3)
0.12 >=0.20	LILRB2 (5.5)	SPI1 (4.0)	LILRA3 (3.4)
0.12 >=0.20	PTPRJ (3.3)	MST1R (2.5)	APOE (2.3)
0.12 >=0.20	G6PC3 (5.9)	CLPTM1 (5.6)	TMEM208 (4.8)
0.12 >=0.20	SBNO1 (4.5)	EDC4 (4.0)	CELF1 (3.9)
0.12 >=0.20	APOE (3.5)	CTRL (3.3)	TAGLN (3.2)
0.12 >=0.20	DEPDC1 (7.9)	SKA1 (6.9)	CKAP5 (5.0)
0.12 >=0.20	SOST (2.6)	RSPO3 (2.4)	TRPS1 (2.2)
0.12 >=0.20	SPI1 (3.7)	RELB (3.2)	CCL22 (3.0)
0.12 >=0.20	CETP (3.8)	E2F4 (3.7)	CLPTM1 (3.4)
0.12 >=0.20	SPI1 (2.7)	BCL3 (2.7)	LILRB2 (2.6)
0.12 >=0.20	SLC22A1 (5.7)	LPA (5.7)	APOC4 (5.1)
0.12 >=0.20	OASL (4.7)	PXK (3.6)	PLA2G15 (3.4)
0.12 >=0.20	CD40 (3.3)	CCL17 (3.2)	CCL22 (3.2)
0.12 >=0.20	TMEM101 (3.7)	SLC39A13 (3.3)	XKR8 (3.2)
0.12 >=0.20	C12orf65 (4.2)	CCL17 (3.7)	PIGV (3.0)
0.12 >=0.20	FADS1 (6.1)	MVK (5.8)	MMAB (5.2)
0.12 >=0.20	RAPSN (7.2)	KLF14 (3.1)	BCAM (2.6)
0.12 >=0.20	MYO5B (3.3)	REEP3 (3.1)	APOB (3.1)
0.12 >=0.20	SLC12A3 (9.5)	PPY (5.0)	PYY (3.2)
0.13 >=0.20	CLPTM1 (3.7)	IGF2R (3.5)	GPIHBP1 (3.5)
0.13 >=0.20	BCAM (3.7)	GNAO1 (3.1)	TRNP1 (2.6)
0.13 >=0.20	LILRA3 (3.9)	XKR8 (2.7)	LILRB2 (2.7)
0.13 >=0.20	RBM5 (4.7)	RBM6 (4.2)	MACF1 (3.7)
0.13 >=0.20	SFN (6.0)	TGM5 (4.3)	ESRP2 (4.1)
0.13 >=0.20	ZSCAN29 (2.9)	ST3GAL4 (2.7)	JMJD1C (2.7)
0.13 >=0.20	MMAB (5.0)	ACAA2 (4.4)	FADS2 (4.4)
0.13 >=0.20	PSMC3 (5.8)	ZFAND2A (4.9)	MTCH2 (4.6)
0.13 >=0.20	MAFF (5.2)	TRIB1 (4.2)	HERPUD1 (4.0)
0.13 >=0.20	TRIB1 (6.8)	MAFF (5.0)	HERPUD1 (4.2)
0.13 >=0.20	RNF214 (3.3)	NFATC3 (3.2)	ARID1A (3.2)
0.13 >=0.20	PDHB (4.1)	ARFGAP2 (4.0)	MTCH2 (3.3)
0.13 >=0.20	MVK (6.5)	FADS1 (5.6)	MMAB (5.0)
0.13 >=0.20	ESRP2 (5.1)	C1orf172 (4.3)	ELMO3 (4.1)
0.13 >=0.20	UBE3B (3.0)	MIEN1 (2.9)	ATG13 (2.9)

0.13	>=0.20	GPN2 (4.2)	EDC4 (3.7)	CDK12 (3.6)
0.13	>=0.20	DDB2 (3.1)	CITED2 (2.8)	KLHL8 (2.7)
0.13	>=0.20	OR5I1 (3.4)	CD300LG (3.3)	PDE3A (2.4)
0.13	>=0.20	KPNB1 (4.5)	MTCH2 (4.3)	TOMM40 (3.5)
0.13	>=0.20	MT1F (3.4)	MT1G (3.4)	MT1X (3.3)
0.13	>=0.20	ENSG00000181123 (3	COX19 (3.0)	EYA3 (3.0)
0.13	>=0.20	APOC4 (9.0)	APOA5 (7.7)	PLG (7.3)
0.13	>=0.20	UVRAG (3.0)	AFF1 (2.9)	BCL3 (2.5)
0.13	>=0.20	PCIF1 (3.9)	ZNF408 (3.6)	EDC4 (3.5)
0.13	>=0.20	TRIB1 (6.4)	ZFAND2A (3.6)	CITED2 (2.9)
0.13	>=0.20	FHOD1 (3.5)	PTPRJ (3.3)	CD300LG (3.1)
0.13	>=0.20	MADD (3.2)	AMFR (2.9)	MVK (2.8)
0.13	>=0.20	RAB11B (3.8)	PAFAH1B2 (3.5)	ST3GAL4 (3.2)
0.13	>=0.20	FNBP4 (4.0)	EDC4 (3.6)	RBM6 (3.4)
0.13	>=0.20	NR1H3 (3.1)	PVRL2 (2.9)	SLC12A4 (2.9)
0.13	>=0.20	ABCA8 (3.8)	COBLL1 (2.6)	TAGLN (2.4)
0.13	>=0.20	CIAPIN1 (4.4)	DUS2L (3.6)	OGFOD1 (3.3)
0.13	>=0.20	DOCK6 (4.4)	GPIHBP1 (3.9)	BCAM (3.2)
0.13	>=0.20	CYP26A1 (4.4)	JMJD1C (3.7)	RSPO3 (2.9)
0.13	>=0.20	FZD9 (3.3)	TBKBP1 (2.6)	MYO1H (2.2)
0.13	>=0.20	CYP26A1 (3.3)	VEGFA (3.0)	ANGPTL4 (2.9)
0.13	>=0.20	THAP11 (3.0)	DR1 (3.0)	EDC4 (3.0)
0.13	>=0.20	AMBRA1 (4.3)	PACSIN3 (3.0)	CCDC116 (2.9)
0.13	>=0.20	PVRL2 (3.6)	TBKBP1 (3.1)	ERBB2 (3.0)
0.13	>=0.20	SLC12A3 (4.4)	GPER (3.1)	HERPUD1 (3.1)
0.13	>=0.20	MPP2 (4.1)	PSKH1 (3.5)	LPA (2.9)
0.13	>=0.20	MADD (4.3)	GNAO1 (4.0)	NEUROD2 (3.8)
0.13	>=0.20	PDE3A (2.8)	GNAO1 (2.8)	MPP2 (2.6)
0.13	>=0.20	PNMT (4.9)	SCARB1 (3.5)	ABCA8 (3.4)
0.13	>=0.20	ETV5 (4.6)	ENSG00000226645 (4	TRIB1 (4.0)
0.13	>=0.20	KCTD6 (3.4)	FRMD5 (2.7)	RSPO3 (2.7)
0.13	>=0.20	NRBF2 (3.1)	NAGS (2.9)	TMEM62 (2.7)
0.13	>=0.20	ERBB2 (5.2)	GRB7 (4.3)	MED1 (3.4)
0.13	>=0.20	NEUROD2 (3.7)	ETV5 (3.0)	EXOC3L1 (2.6)
0.13	>=0.20	PVRL2 (3.2)	RSPO3 (3.0)	CSGALNACT1 (2.6)
0.13	>=0.20	SLC12A3 (2.6)	SLC22A1 (2.6)	ACAA2 (2.5)
0.13	>=0.20	CCL22 (3.3)	CD40 (3.1)	PSMB10 (2.6)
0.13	>=0.20	TMEM208 (4.6)	SDF2L1 (3.7)	TBL2 (3.5)
0.13	>=0.20	HERPUD1 (3.5)	PLG (3.5)	SLC22A1 (3.2)
0.13	>=0.20	FADS1 (5.5)	MVK (5.4)	FADS2 (5.3)
0.13	>=0.20	FADS1 (5.5)	MVK (5.4)	FADS2 (5.3)
0.13	>=0.20	MMAB (6.1)	MVK (5.5)	FADS2 (5.4)
0.13	>=0.20	ETV5 (3.6)	PPP1R1B (3.3)	PCSK7 (3.1)
0.13	>=0.20	MPP2 (3.8)	C1QTNF4 (2.8)	APOC3 (2.8)
0.13	>=0.20	BCL7B (2.7)	TTBK2 (2.5)	ENSG00000181123 (2
0.13	>=0.20	GPN2 (4.9)	MIEN1 (3.7)	PGAP3 (3.5)
0.13	>=0.20	PPY (5.6)	SOST (3.0)	SLC12A3 (2.9)
0.13	>=0.20	LPA (3.0)	LCAT (2.8)	SLC22A1 (2.8)
0.13	>=0.20	PPY (5.8)	LILRB2 (4.0)	FPR3 (3.7)
0.13	>=0.20	ZDHHC18 (3.4)	SPI1 (3.1)	CCL22 (2.5)

0.14 >=0.20	ARID1A (4.4)	TRIB1 (4.2)	RELB (3.0)
0.14 >=0.20	TAGLN (4.2)	SLC12A4 (3.0)	ST3GAL4 (2.9)
0.14 >=0.20	LPA (3.4)	LIPC (2.8)	CETP (2.6)
0.14 >=0.20	HERPUD1 (3.7)	SCARB1 (2.6)	PARD6A (2.3)
0.14 >=0.20	MTCH2 (3.7)	CIAPIN1 (3.6)	PRMT7 (3.5)
0.14 >=0.20	ZFAND2A (3.9)	NPEPPS (3.2)	UVRAG (2.7)
0.14 >=0.20	TCAP (7.2)	MYBPC3 (6.9)	PACSIN3 (4.2)
0.14 >=0.20	RSPRY1 (5.0)	GPN2 (4.3)	EDC4 (3.7)
0.14 >=0.20	CYP26A1 (5.7)	MBD1 (3.9)	DYM (3.3)
0.14 >=0.20	LIPC (4.0)	PLG (3.6)	NAGS (3.5)
0.14 >=0.20	CITED2 (3.4)	MT1H (3.0)	MT1X (2.7)
0.14 >=0.20	TECTB (3.6)	ENSG00000256746 (3	ZNF614 (2.3)
0.14 >=0.20	AMBRA1 (3.7)	SPI1 (3.5)	CCDC116 (3.4)
0.14 >=0.20	NLRC5 (5.5)	LILRB2 (3.1)	LILRA3 (3.1)
0.14 >=0.20	NFATC3 (3.7)	TRADD (2.8)	PSMB10 (2.7)
0.14 >=0.20	CLPTM1 (3.4)	TMEM175 (2.9)	C18orf32 (2.8)
0.14 >=0.20	CLPTM1 (3.4)	TMEM175 (2.9)	C18orf32 (2.8)
0.14 >=0.20	NAGS (4.2)	LIPC (3.6)	APOC4 (3.3)
0.14 >=0.20	LPA (3.2)	SLC22A1 (2.9)	LCAT (2.7)
0.14 >=0.20	FPR3 (3.5)	B3GNT9 (3.2)	LILRB2 (2.8)
0.14 >=0.20	SOST (3.2)	RSPO3 (3.0)	IGF2R (2.9)
0.14 >=0.20	ETV5 (4.9)	MYBPC3 (3.7)	TRIB1 (3.4)
0.14 >=0.20	SLC9A5 (3.5)	GNAO1 (2.7)	CCDC92 (2.5)
0.14 >=0.20	NR0B2 (3.1)	GLUL (2.7)	APOA4 (2.3)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	CYP26A1 (4.4)	SOST (3.5)	ETV5 (3.0)
0.14 >=0.20	TRPS1 (3.1)	MTMR3 (2.7)	LRP4 (2.5)
0.14 >=0.20	GPIHBP1 (2.8)	YDJC (2.7)	MT1H (2.6)
0.14 >=0.20	RELB (5.7)	CCL17 (3.9)	CD40 (3.9)
0.14 >=0.20	SPRYD5 (3.9)	COBLL1 (3.3)	SNX13 (2.7)
0.14 >=0.20	KCTD19 (3.6)	C17orf105 (3.3)	TBL2 (2.8)
0.14 >=0.20	CCL17 (3.2)	RLTPR (3.0)	CCL22 (2.7)
0.14 >=0.20	PTPRZ1 (4.7)	SOST (4.6)	ETV5 (4.1)
0.14 >=0.20	RSPO3 (2.6)	ERBB2 (2.5)	MPP3 (2.5)
0.14 >=0.20	BCL3 (2.9)	PVRL2 (2.8)	PPIP5K1 (2.5)
0.14 >=0.20	CETP (3.3)	AGBL2 (2.6)	TRADD (2.3)
0.14 >=0.20	CD300LG (4.0)	LRRC29 (2.7)	LPL (2.5)
0.14 >=0.20	PDIA3 (9.0)	SDF2L1 (7.1)	TBL2 (3.5)
0.14 >=0.20	PNMT (4.6)	CES4A (3.3)	KLF14 (3.0)
0.14 >=0.20	RELB (7.1)	BCL3 (5.9)	MAFF (4.4)
0.14 >=0.20	GNAO1 (3.8)	ACP2 (3.5)	PTPRZ1 (3.5)
0.14 >=0.20	C1orf172 (5.8)	ESRP2 (5.6)	ELMO3 (4.2)
0.14 >=0.20	FZD9 (4.9)	PPP1R1B (4.0)	SMPD3 (3.4)
0.14 >=0.20	BAZ1B (4.4)	WDR76 (3.7)	MTF2 (3.3)

0.14	>=0.20	MYO1H (3.3)	COBLL1 (3.0)	LILRB2 (2.6)
0.14	>=0.20	MAFF (5.4)	JMJD1C (3.4)	VEGFA (3.1)
0.14	>=0.20	DEPDC1 (4.2)	CKAP5 (3.4)	SKA1 (3.1)
0.14	>=0.20	SETD8 (2.8)	NFATC3 (2.4)	SMPD3 (2.3)
0.14	>=0.20	SNORD58C (3.3)	FNBP4 (3.1)	MED1 (3.0)
0.14	>=0.20	SNORD58C (3.3)	FNBP4 (3.1)	MED1 (3.0)
0.14	>=0.20	SNORD58C (3.3)	FNBP4 (3.1)	MED1 (3.0)
0.14	>=0.20	NEUROD2 (5.2)	PTPRZ1 (3.7)	CYP26A1 (3.2)
0.14	>=0.20	RELB (4.4)	PSKH1 (4.2)	ZNF335 (3.9)
0.14	>=0.20	C12orf65 (4.5)	NAGS (3.6)	LIPC (3.4)
0.14	>=0.20	LILRA3 (2.8)	SIK3 (2.8)	MAP1A (2.6)
0.14	>=0.20	SETD8 (3.1)	ENSG00000229043 (2	YDJC (2.5)
0.14	>=0.20	PLA2G15 (4.3)	DPEP2 (3.0)	ACP2 (2.9)
0.14	>=0.20	FNBP4 (4.5)	NCOA5 (3.4)	RBM6 (3.2)
0.14	>=0.20	GPIHBP1 (4.3)	EXOC3L1 (3.5)	DOCK6 (3.2)
0.14	>=0.20	ETV5 (4.2)	CYP26A1 (2.7)	CASC4 (2.7)
0.14	>=0.20	MMAB (3.7)	FADS2 (3.0)	FADS1 (2.9)
0.14	>=0.20	CETP (2.7)	C16orf86 (2.6)	DGKG (2.2)
0.14	>=0.20	CELSR2 (3.7)	PTPRZ1 (3.5)	NOL3 (2.3)
0.14	>=0.20	MADD (2.7)	HDAC5 (2.6)	PITPNM2 (2.4)
0.14	>=0.20	TECTB (3.4)	AFF1 (2.9)	TGM7 (2.8)
0.14	>=0.20	DOCK6 (4.9)	EXOC3L1 (4.7)	GPIHBP1 (3.5)
0.14	>=0.20	CYP26A1 (3.4)	TRIB1 (2.5)	IGF2R (2.2)
0.14	>=0.20	MED1 (4.7)	SNORD58C (4.6)	FNBP4 (4.3)
0.14	>=0.20	PYY (4.1)	TTC39B (3.5)	EPB42 (3.0)
0.14	>=0.20	PPY (3.2)	VEGFA (2.9)	HCAR1 (2.8)
0.14	>=0.20	PPY (3.2)	VEGFA (2.9)	HCAR1 (2.8)
0.14	>=0.20	ELMO3 (5.6)	ESRP2 (5.3)	C1orf172 (4.9)
0.14	>=0.20	BAZ1B (3.8)	THAP11 (3.7)	EDC4 (3.2)
0.14	>=0.20	MED1 (4.7)	CDK12 (4.0)	RNF214 (3.5)
0.14	>=0.20	ENSG00000182109 (3	FPR3 (2.8)	CD300LG (2.7)
0.14	>=0.20	TBL2 (4.0)	ATG13 (4.0)	SLC39A13 (3.8)
0.14	>=0.20	TBL2 (4.0)	ATG13 (4.0)	SLC39A13 (3.8)
0.15	>=0.20	NEUROD2 (2.8)	MBD1 (2.7)	CXXC1 (2.5)
0.15	>=0.20	ATG13 (6.8)	RANBP10 (5.6)	FBXL20 (4.8)
0.15	>=0.20	EPB42 (4.2)	RANBP10 (3.3)	CD36 (3.3)
0.15	>=0.20	TMEM101 (4.1)	G6PC3 (3.8)	TMEM62 (3.6)
0.15	>=0.20	LPA (5.1)	SLC22A1 (4.3)	APOC4 (3.5)
0.15	>=0.20	PLA2G15 (4.1)	PLTP (3.8)	ACP2 (3.7)
0.15	>=0.20	SLC39A13 (4.6)	TBL2 (4.4)	ATG13 (4.3)
0.15	>=0.20	KCTD6 (3.2)	ENSG00000247445 (3	BBS2 (2.8)
0.15	>=0.20	SLC9A5 (3.2)	BACE1 (2.6)	MPP2 (2.5)
0.15	>=0.20	SPG11 (4.0)	ZNF259 (3.7)	RBM6 (3.4)
0.15	>=0.20	NAGS (3.3)	ABHD6 (3.2)	SLC12A3 (2.8)
0.15	>=0.20	PPY (5.3)	PYY (4.5)	ABCB9 (3.1)
0.15	>=0.20	OR5L2 (2.4)	CSGALNACT1 (2.4)	TTC39B (2.4)
0.15	>=0.20	AMBRA1 (4.3)	CCDC116 (3.1)	MTMR3 (3.0)
0.15	>=0.20	OASL (4.0)	MTMR3 (3.5)	ARID1A (3.4)
0.15	>=0.20	GALNT2 (3.8)	OR5J2 (3.4)	ST3GAL4 (3.2)
0.15	>=0.20	BCAM (4.1)	PDE3A (3.1)	TAGLN (3.0)

0.15	>=0.20	ENSG00000226645 (S	MYO1H (2.6)	RBPJ (2.3)
0.15	>=0.20	SFN (4.9)	FZD9 (3.6)	ETV5 (3.3)
0.15	>=0.20	AMBRA1 (4.1)	ARID1A (3.6)	MACF1 (3.4)
0.15	>=0.20	PITPNM2 (3.1)	DYM (2.5)	HCAR1 (2.4)
0.15	>=0.20	CDK12 (4.5)	GPN2 (4.3)	PGAP3 (4.1)
0.15	>=0.20	CD36 (3.8)	LILRB2 (2.9)	COBLL1 (2.8)
0.15	>=0.20	CD36 (3.8)	LILRB2 (2.9)	COBLL1 (2.8)
0.15	>=0.20	PPY (2.7)	KLF14 (2.5)	LPL (2.5)
0.15	>=0.20	RELB (5.8)	CD40 (4.4)	BCL3 (3.7)
0.15	>=0.20	BCAM (3.7)	TAGLN (2.8)	SLC7A6 (2.7)
0.15	>=0.20	NOL3 (2.5)	MYO5B (2.1)	TGM7 (1.9)
0.15	>=0.20	MVK (4.0)	THAP11 (3.3)	DYM (3.0)
0.15	>=0.20	MYBPC3 (10.2)	TCAP (6.8)	FRMD5 (4.2)
0.15	>=0.20	FNBP4 (3.6)	SNORD58C (3.4)	BBS2 (3.1)
0.15	>=0.20	NPEPPS (3.1)	TP53BP1 (2.9)	ARID1A (2.9)
0.15	>=0.20	MACF1 (3.2)	ARHGAP1 (2.9)	ATG13 (2.8)
0.15	>=0.20	FADS1 (4.2)	ACAA2 (4.2)	FADS2 (3.9)
0.15	>=0.20	SDF2L1 (4.9)	PDIA3 (3.5)	TMEM208 (3.5)
0.15	>=0.20	LILRB2 (2.8)	C11orf9 (2.5)	RNF214 (2.4)
0.15	>=0.20	PLTP (3.5)	RAPSN (3.0)	BCAM (2.6)
0.15	>=0.20	AMBRA1 (4.1)	MED1 (3.4)	LSM12 (3.2)
0.15	>=0.20	ZFAND2A (4.1)	PSMC3 (3.1)	NPEPPS (2.9)
0.15	>=0.20	NUDT21 (4.0)	MFAP1 (3.8)	THAP11 (3.8)
0.15	>=0.20	ENSG00000181123 (S	ABCB9 (3.1)	HCAR1 (2.9)
0.15	>=0.20	TCAP (6.0)	PACSIN3 (3.3)	MT1M (3.1)
0.15	>=0.20	MIEN1 (6.2)	ERBB2 (6.1)	GRB7 (5.5)
0.15	>=0.20	MIEN1 (6.2)	ERBB2 (6.1)	GRB7 (5.5)
0.15	>=0.20	EPB42 (10.3)	RANBP10 (4.9)	SEC14L4 (3.1)
0.15	>=0.20	EPB42 (3.5)	DPEP2 (2.8)	LIPG (2.6)
0.15	>=0.20	EPB42 (3.5)	DPEP2 (2.8)	LIPG (2.6)
0.15	>=0.20	DOCK6 (3.1)	FPR3 (2.9)	GPAM (2.6)
0.15	>=0.20	HCAR1 (2.9)	CD36 (2.9)	TTC39B (2.8)
0.15	>=0.20	HCAR1 (2.9)	CD36 (2.9)	TTC39B (2.8)
0.15	>=0.20	AFF1 (3.6)	CITED2 (3.4)	MTF2 (3.1)
0.15	>=0.20	ETV5 (3.8)	CD36 (3.1)	CX3CL1 (2.8)
0.15	>=0.20	C12orf65 (3.7)	TUBGCP4 (3.1)	MMAB (3.0)
0.15	>=0.20	FBXL20 (3.2)	CDK12 (2.9)	ERBB2 (2.7)
0.15	>=0.20	AMBRA1 (4.3)	LCMT2 (3.2)	ZNF614 (3.0)
0.15	>=0.20	TBL2 (3.8)	TMEM208 (3.8)	HERPUD1 (3.8)
0.15	>=0.20	PPP1R1B (3.0)	UVRAG (2.7)	DDB2 (2.5)
0.15	>=0.20	SPI1 (4.1)	LILRB2 (3.2)	CPNE2 (2.4)
0.15	>=0.20	PDHB (3.7)	TBL2 (3.1)	UBE3B (2.9)
0.15	>=0.20	LILRB2 (4.2)	FPR3 (3.6)	CASC4 (2.4)
0.15	>=0.20	ABCA1 (3.9)	APOE (3.4)	LPL (3.0)
0.15	>=0.20	OGFOD1 (3.7)	NUP160 (3.6)	INTS10 (3.5)
0.15	>=0.20	DGKG (3.9)	DOK4 (3.3)	MYO5B (3.3)
0.15	>=0.20	MVK (10.3)	MMAB (8.7)	FADS1 (8.5)
0.15	>=0.20	PPY (6.5)	APOC3 (4.0)	CPS1 (3.9)
0.15	>=0.20	ARFGAP2 (3.2)	RANBP10 (3.0)	TMEM62 (2.9)
0.15	>=0.20	DOCK6 (4.2)	EXOC3L1 (4.2)	GPIHBP1 (4.1)

0.15	>=0.20	ENSG00000247445 (3	WDR76 (3.0)	ADAL (2.3)
0.15	>=0.20	CYP26A1 (4.3)	SOST (3.4)	ETV5 (3.0)
0.15	>=0.20	TOMM40 (3.2)	C7orf50 (2.8)	YDJC (2.8)
0.15	>=0.20	SLC12A3 (3.6)	G6PC3 (2.8)	VEGFA (2.6)
0.15	>=0.20	C17orf105 (4.6)	KCTD19 (3.6)	OR5I1 (3.3)
0.15	>=0.20	CCDC92 (3.1)	STRC (2.9)	IGF2R (2.7)
0.15	>=0.20	TRIB1 (3.2)	PSKH1 (3.1)	MIEN1 (2.9)
0.15	>=0.20	TMEM175 (3.5)	ENSG00000223745 (3	C16orf70 (3.1)
0.15	>=0.20	GPIHBP1 (3.6)	DOCK6 (3.0)	ENSG00000182109 (2
0.15	>=0.20	GPIHBP1 (3.6)	DOCK6 (3.0)	ENSG00000182109 (2
0.15	>=0.20	CD40 (3.8)	PGS1 (3.2)	SPI1 (3.0)
0.15	>=0.20	DGAT2 (3.2)	ENSG00000254235 (2	OR5J2 (2.7)
0.15	>=0.20	SNORD58C (4.5)	MACF1 (3.9)	TAGLN (3.0)
0.15	>=0.20	FNBP4 (4.8)	RBM5 (3.7)	GPN2 (3.6)
0.15	>=0.20	SOST (2.3)	SMPD3 (2.3)	SETD8 (2.3)
0.15	>=0.20	TTC39B (2.5)	CCDC92 (2.3)	PCSK7 (2.2)
0.15	>=0.20	ENSG00000179523 (4	PTPRZ1 (3.2)	ABCA8 (3.1)
0.15	>=0.20	THAP11 (6.3)	PARD6A (4.9)	FAM192A (4.9)
0.15	>=0.20	PSMC3 (5.9)	MTCH2 (4.7)	ZFAND2A (4.3)
0.16	>=0.20	ST3GAL4 (4.8)	ENSG00000247445 (4	PYY (2.2)
0.16	>=0.20	CETP (3.9)	LILRB2 (3.5)	RLTPR (3.2)
0.16	>=0.20	ARID1A (4.6)	PCIF1 (3.7)	BUD13 (3.6)
0.16	>=0.20	MTMR3 (2.8)	SETD8 (2.6)	UVRAG (2.6)
0.16	>=0.20	SLC12A3 (5.1)	ABHD6 (3.0)	CLPTM1 (2.8)
0.16	>=0.20	TBKBP1 (3.3)	EXOC3L1 (3.2)	DOCK6 (3.0)
0.16	>=0.20	FAM192A (3.1)	G6PC3 (3.0)	GFOD2 (3.0)
0.16	>=0.20	TBL2 (5.0)	SLC39A13 (4.6)	PDHB (3.3)
0.16	>=0.20	TBL2 (5.0)	SLC39A13 (4.6)	PDHB (3.3)
0.16	>=0.20	AMBRA1 (4.1)	LCMT2 (3.2)	ZNF614 (3.2)
0.16	>=0.20	NRBF2 (2.5)	FPR3 (2.4)	C17orf57 (2.4)
0.16	>=0.20	PITPNM2 (2.8)	MPP2 (2.7)	CELSR2 (2.5)
0.16	>=0.20	PTPRZ1 (3.7)	PPY (2.7)	CELSR2 (2.5)
0.16	>=0.20	PDE3A (3.6)	GPIHBP1 (2.8)	KCTD10 (2.6)
0.16	>=0.20	CD300LG (4.3)	GPIHBP1 (3.7)	DOCK6 (3.1)
0.16	>=0.20	DEPDC1 (4.2)	SKA1 (3.3)	CYP2W1 (3.0)
0.16	>=0.20	C16orf70 (3.3)	CCNDBP1 (2.8)	NPEPPS (2.8)
0.16	>=0.20	THAP11 (3.3)	BCL7B (3.0)	NUDT21 (3.0)
0.16	>=0.20	CYP26A1 (4.9)	RSPO3 (3.5)	KCTD6 (3.0)
0.16	>=0.20	PLTP (2.6)	SCARB1 (2.4)	ST3GAL4 (2.2)
0.16	>=0.20	PGS1 (4.9)	BCL3 (3.1)	RELB (3.1)
0.16	>=0.20	BMP8A (2.9)	AFF1 (2.5)	CD36 (2.5)
0.16	>=0.20	ZNF259 (3.7)	OGFOD1 (3.5)	TOMM40 (2.8)
0.16	>=0.20	CCL17 (4.8)	CCL22 (4.5)	BCL3 (3.4)
0.16	>=0.20	GNAO1 (3.4)	PPP1R1B (3.3)	GPR146 (2.6)
0.16	>=0.20	KCTD19 (3.5)	C17orf105 (3.1)	TBL2 (2.7)
0.16	>=0.20	TCAP (3.1)	C19orf80 (2.8)	UBE3B (2.6)
0.16	>=0.20	DDX28 (3.0)	LCMT2 (2.8)	SBNO1 (2.8)
0.16	>=0.20	COQ9 (5.8)	ACAA2 (4.6)	PDHB (4.5)
0.16	>=0.20	LPA (5.7)	OR4A21P (3.8)	SLC22A1 (3.7)
0.16	>=0.20	ST3GAL4 (3.4)	PTPRJ (2.8)	ENSG00000255507 (2

0.16 >=0.20	PDHB (4.1)	COQ9 (3.9)	PDIA3 (3.4)
0.16 >=0.20	LPA (3.6)	SLC22A1 (3.4)	LCAT (2.8)
0.16 >=0.20	MON1A (3.5)	RBM6 (3.4)	GLUL (2.9)
0.16 >=0.20	TMEM101 (3.2)	DCPS (2.8)	TNKS (2.7)
0.16 >=0.20	CCNDBP1 (2.8)	DYM (2.7)	TP53BP1 (2.6)
0.16 >=0.20	NUP93 (3.5)	FNBP4 (3.5)	NUDT21 (3.3)
0.16 >=0.20	PAFAH1B2 (4.0)	TMEM101 (3.4)	DYM (3.1)
0.16 >=0.20	ACAA2 (8.3)	COQ9 (4.5)	PDHB (4.3)
0.16 >=0.20	C11orf9 (5.5)	RSPO3 (2.8)	BACE1 (2.7)
0.16 >=0.20	CCL22 (4.7)	PSMB10 (4.3)	LILRB2 (4.1)
0.16 >=0.20	CCL22 (3.0)	CCL17 (2.8)	ZDHHC18 (2.5)
0.16 >=0.20	TRPS1 (3.0)	SIDT2 (2.9)	APOB (2.2)
0.16 >=0.20	ZNF259 (3.1)	NUP93 (3.1)	CKAP5 (2.9)
0.16 >=0.20	RBM5 (3.0)	FNBP4 (2.6)	ZNF335 (2.6)
0.16 >=0.20	ZNF259 (3.8)	MVK (2.9)	YDJC (2.8)
0.16 >=0.20	PVRL2 (4.3)	BCAM (3.7)	MACF1 (2.8)
0.16 >=0.20	CBFB (3.0)	HDAC5 (2.9)	KANK2 (2.8)
0.16 >=0.20	ANGPTL4 (3.3)	SPI1 (2.9)	ETV5 (2.8)
0.16 >=0.20	AMBRA1 (3.9)	LCMT2 (3.3)	ZNF614 (3.1)
0.16 >=0.20	COBLL1 (3.6)	RLTPR (2.5)	C17orf57 (2.4)
0.16 >=0.20	C1orf172 (5.1)	ESRP2 (4.7)	ELMO3 (4.3)
0.16 >=0.20	MYBPC3 (4.1)	TAGLN (3.8)	TCAP (3.4)
0.16 >=0.20	DOCK6 (3.7)	GRB7 (3.3)	ELMO3 (2.9)
0.16 >=0.20	DOCK6 (4.0)	MYBPC3 (3.8)	VEGFA (2.7)
0.16 >=0.20	NDUFS3 (3.5)	HERPUD1 (3.2)	TMEM208 (3.0)
0.16 >=0.20	SFN (3.8)	TGM5 (3.0)	ZFAND2A (2.7)
0.16 >=0.20	ENSG00000226645 (2	ANGPTL4 (2.4)	KLF14 (2.1)
0.16 >=0.20	DUSP3 (3.5)	MAFF (3.0)	SNX10 (2.9)
0.16 >=0.20	ATG13 (3.6)	AMBRA1 (3.0)	TMEM101 (2.5)
0.16 >=0.20	PTPRZ1 (3.5)	MVK (3.5)	SPRYD5 (2.7)
0.16 >=0.20	EPB42 (4.4)	EXOC3L1 (2.9)	ENSG00000226334 (2
0.16 >=0.20	EPB42 (7.1)	RANBP10 (4.0)	SEC14L4 (3.0)
0.16 >=0.20	DGAT2 (3.1)	OR5J2 (3.0)	ENSG00000254235 (3
0.16 >=0.20	RELB (4.1)	ZDHHC18 (4.0)	CD40 (3.6)
0.16 >=0.20	DEPDC1 (5.6)	SKA1 (4.6)	MAFF (4.2)
0.16 >=0.20	WDR76 (3.9)	SKA1 (3.3)	FEN1 (3.3)
0.16 >=0.20	ENSG00000255507 (4	CCL22 (3.8)	TRPS1 (3.6)
0.16 >=0.20	PPIP5K1 (3.1)	MLXIPL (2.5)	COQ9 (2.5)
0.16 >=0.20	C18orf32 (3.4)	ATG13 (2.8)	PAFAH1B2 (2.6)
0.17 >=0.20	CTRL (9.8)	PPY (3.8)	COBLL1 (3.4)
0.17 >=0.20	APOE (3.4)	NR1H3 (2.9)	TTBK2 (2.8)
0.17 >=0.20	APOA4 (3.5)	SLC12A3 (3.3)	SIDT2 (2.7)
0.17 >=0.20	MON1A (2.7)	PAFAH1B2 (2.4)	UBE2L3 (2.2)
0.17 >=0.20	SLC22A1 (3.2)	CD40 (3.1)	RLTPR (2.9)
0.17 >=0.20	RAB11B (3.1)	BAZ1B (3.1)	ARID1A (3.1)
0.17 >=0.20	ELMO3 (6.5)	C1orf172 (5.8)	MST1R (5.2)
0.17 >=0.20	PDHB (4.5)	MTCH2 (3.7)	ARFGAP2 (3.4)
0.17 >=0.20	NUTF2 (3.3)	SNORD58C (2.8)	GFOD2 (2.2)
0.17 >=0.20	FBXL20 (3.6)	ACD (3.3)	KIAA0895L (3.2)
0.17 >=0.20	B3GNT9 (4.7)	TAGLN (4.5)	ABCA8 (2.6)

0.17 >=0.20	SPI1 (3.3)	ZDHHC18 (2.7)	FHOD1 (2.5)
0.17 >=0.20	TRIB1 (5.6)	RELB (5.4)	CITED2 (4.4)
0.17 >=0.20	TRIB1 (2.8)	GALNT2 (2.7)	CITED2 (2.4)
0.17 >=0.20	PPY (4.5)	PYY (3.3)	CYP26A1 (2.9)
0.17 >=0.20	DOK4 (3.4)	KANK2 (3.2)	HDAC5 (2.8)
0.17 >=0.20	RELB (5.3)	BCL3 (4.6)	MAFF (3.8)
0.17 >=0.20	DOK4 (2.7)	DUS2L (2.5)	MST1R (2.5)
0.17 >=0.20	CD40 (3.5)	CCL22 (3.1)	HCAR1 (2.9)
0.17 >=0.20	LPA (5.5)	SLC22A1 (4.4)	APOC4 (3.7)
0.17 >=0.20	SDF2L1 (4.2)	C18orf32 (3.6)	PCSK7 (3.5)
0.17 >=0.20	PLA2G6 (3.4)	C17orf57 (3.1)	PSKH1 (2.7)
0.17 >=0.20	ADAL (2.7)	KCTD6 (2.5)	HARBI1 (2.4)
0.17 >=0.20	TSNAXIP1 (3.5)	OR4A21P (2.4)	ACP2 (2.4)
0.17 >=0.20	POLR2C (3.8)	OGFOD1 (3.3)	UBE2L3 (3.1)
0.17 >=0.20	ESRP2 (6.4)	SFN (6.3)	C1orf172 (6.1)
0.17 >=0.20	ST3GAL4 (3.9)	ABCA8 (3.2)	SCARB1 (3.0)
0.17 >=0.20	PPY (6.1)	HCAR1 (3.4)	CD300LG (2.9)
0.17 >=0.20	TBL2 (3.9)	TMEM208 (3.6)	TMED5 (3.3)
0.17 >=0.20	CMIP (3.2)	PXK (2.7)	C17orf57 (2.6)
0.17 >=0.20	SLC12A3 (3.3)	HNF4A (3.3)	C11orf9 (3.2)
0.17 >=0.20	LSM12 (3.5)	KPNB1 (3.4)	FNBP4 (2.6)
0.17 >=0.20	EIF3J (3.1)	TTC39B (2.6)	UBR1 (2.4)
0.17 >=0.20	MVK (5.4)	MMAB (5.4)	FADS1 (5.3)
0.17 >=0.20	MVK (5.4)	MMAB (5.4)	FADS1 (5.3)
0.17 >=0.20	OASL (12.0)	PSMB10 (4.5)	BCL3 (3.0)
0.17 >=0.20	OASL (4.9)	NCOA5 (3.4)	ZNF335 (2.9)
0.17 >=0.20	CD40 (3.7)	ABCA1 (3.6)	CETP (3.4)
0.17 >=0.20	MON1A (3.4)	PCSK7 (2.9)	RANBP10 (2.8)
0.17 >=0.20	DDB2 (4.6)	SLC12A4 (4.1)	MAFF (2.6)
0.17 >=0.20	FZD9 (4.5)	TRPS1 (3.6)	CYP26A1 (3.1)
0.17 >=0.20	MON1A (2.6)	DGAT2 (2.6)	KCTD6 (2.4)
0.17 >=0.20	NRBF2 (4.7)	XKR8 (3.4)	PGS1 (3.0)
0.17 >=0.20	MAFF (3.2)	MBD1 (2.6)	MT1H (2.4)
0.17 >=0.20	RSPO3 (2.9)	CYP26A1 (2.8)	G6PC3 (2.8)
0.17 >=0.20	KLF14 (3.7)	KCTD19 (3.3)	ENSG00000182109 (3
0.17 >=0.20	MYBPC3 (6.8)	FRMD5 (3.2)	LSM12 (2.4)
0.17 >=0.20	DEPDC1 (6.6)	SKA1 (6.3)	FEN1 (4.9)
0.17 >=0.20	MT1M (3.5)	NAGS (3.0)	NRBF2 (2.4)
0.17 >=0.20	APOE (3.0)	PTPRJ (2.9)	CLPTM1 (2.6)
0.17 >=0.20	EDC4 (3.5)	CXXC1 (3.3)	ACD (2.8)
0.17 >=0.20	LPA (3.5)	SLC22A1 (3.3)	LCAT (2.8)
0.17 >=0.20	SLC9A5 (3.5)	STRC (3.1)	PPP1R1B (2.8)
0.17 >=0.20	PTPRJ (2.9)	JMJD1C (2.2)	UVRAG (2.1)
0.17 >=0.20	DR1 (3.1)	PTPRZ1 (3.1)	ATG13 (2.7)
0.17 >=0.20	LIPC (3.9)	NAGS (3.8)	AGBL2 (3.3)
0.17 >=0.20	TRPS1 (4.0)	MT1M (3.2)	FZD9 (3.0)
0.17 >=0.20	CYP26A1 (4.6)	ETV5 (2.7)	OR5J2 (2.5)
0.17 >=0.20	ZFAND2A (3.8)	SDF2L1 (3.6)	PDIA3 (3.5)
0.17 >=0.20	APOC4 (4.5)	PLG (3.9)	F2 (3.4)
0.17 >=0.20	CXXC1 (3.4)	ZNF408 (3.1)	EDC4 (2.9)

0.17 >=0.20	CXXC1 (3.4)	ZNF408 (3.1)	EDC4 (2.9)
0.17 >=0.20	CXXC1 (3.4)	ZNF408 (3.1)	EDC4 (2.9)
0.17 >=0.20	AFF1 (4.3)	CTRL (4.0)	CD40 (2.9)
0.17 >=0.20	B3GNT9 (3.4)	MYBPC3 (3.1)	ABCB9 (2.8)
0.17 >=0.20	SCARB1 (5.5)	ST3GAL4 (4.8)	APOC4 (4.4)
0.17 >=0.20	MBD1 (4.0)	C18orf32 (3.6)	TNKS (3.2)
0.17 >=0.20	SPI1 (3.1)	RLTPR (2.7)	AFF1 (2.6)
0.17 >=0.20	FAM192A (4.3)	THAP11 (3.3)	PRMT7 (3.1)
0.17 >=0.20	ENSG00000182109 (3	ANGPTL4 (2.9)	C17orf57 (2.8)
0.18 >=0.20	CTRL (9.3)	PYY (6.0)	PPY (4.4)
0.18 >=0.20	AFF1 (4.0)	KLF14 (3.4)	TTBK2 (2.5)
0.18 >=0.20	RELB (3.5)	TRADD (3.3)	BCL3 (2.9)
0.18 >=0.20	RAB11B (3.7)	HDAC5 (2.9)	PAFAH1B2 (2.5)
0.18 >=0.20	TTC39B (3.2)	ABCA8 (2.8)	MT1F (2.6)
0.18 >=0.20	CSGALNACT1 (5.0)	PDE3A (4.2)	CPS1 (3.9)
0.18 >=0.20	AMBRA1 (4.4)	AFF1 (3.1)	MTMR3 (2.9)
0.18 >=0.20	TRPS1 (4.0)	ETV5 (3.3)	TTC39B (3.0)
0.18 >=0.20	MIEN1 (4.4)	C18orf32 (4.0)	TMEM62 (3.2)
0.18 >=0.20	FPR3 (3.9)	DPEP2 (3.6)	SPI1 (3.3)
0.18 >=0.20	NAGS (3.2)	ABHD6 (3.1)	SLC12A3 (3.1)
0.18 >=0.20	BCL3 (4.3)	CCL17 (3.9)	ZDHHC18 (3.6)
0.18 >=0.20	PNMT (4.8)	SCARB1 (4.8)	ZNF613 (2.8)
0.18 >=0.20	G6PC3 (3.7)	DNAH10 (3.0)	PVRL2 (2.9)
0.18 >=0.20	FNBP4 (3.8)	CXXC1 (3.8)	NUP160 (3.4)
0.18 >=0.20	AMFR (3.5)	DPEP2 (2.9)	APOA4 (2.7)
0.18 >=0.20	MT1M (3.7)	MAFF (3.6)	LIPG (3.1)
0.18 >=0.20	CCL22 (6.4)	CD40 (4.5)	CCL17 (4.4)
0.18 >=0.20	MTMR3 (3.6)	TRIB1 (3.3)	RBM5 (2.9)
0.18 >=0.20	PLG (4.2)	APOC4 (3.2)	HNF4A (3.1)
0.18 >=0.20	CCL22 (2.5)	OR5I1 (2.4)	CX3CL1 (2.4)
0.18 >=0.20	SLC12A3 (6.9)	PLG (3.4)	HNF4A (3.2)
0.18 >=0.20	FZD9 (3.6)	TRPS1 (3.4)	PTPRZ1 (2.9)
0.18 >=0.20	PDIA3 (3.4)	TMED5 (3.4)	SDF2L1 (3.0)
0.18 >=0.20	OR4A1P (3.1)	FPR3 (2.6)	TGM7 (2.5)
0.18 >=0.20	NCOA5 (3.6)	MED1 (3.0)	RAB11B (2.9)
0.18 >=0.20	C11orf9 (3.6)	TAGLN (3.4)	MYBPC3 (3.3)
0.18 >=0.20	SLC12A3 (4.2)	APOA4 (4.2)	APOA1 (2.9)
0.18 >=0.20	AMBRA1 (4.1)	LCMT2 (3.0)	CCDC116 (2.9)
0.18 >=0.20	TBKBP1 (3.3)	DOCK6 (3.3)	EXOC3L1 (2.8)
0.18 >=0.20	OASL (7.2)	PSMB10 (4.2)	CD40 (3.9)
0.18 >=0.20	OR4A1P (3.1)	AFF1 (2.6)	KCTD19 (2.4)
0.18 >=0.20	TBKBP1 (3.2)	PVRL2 (3.0)	DOCK6 (2.8)
0.18 >=0.20	LILRB2 (3.7)	BCL3 (2.9)	GPIHBP1 (2.5)
0.18 >=0.20	ZSCAN29 (4.1)	ZNF614 (3.4)	ZNF615 (2.9)
0.18 >=0.20	PDIA3 (8.6)	SDF2L1 (7.3)	HERPUD1 (3.2)
0.18 >=0.20	INTS10 (3.9)	BUD13 (3.3)	PCIF1 (3.2)
0.18 >=0.20	LRP4 (3.4)	CYP26A1 (3.3)	PVRL2 (3.2)
0.18 >=0.20	APOE (4.0)	BCL7B (3.2)	TBL2 (3.0)
0.18 >=0.20	CMIP (4.1)	SPI1 (2.7)	SLC12A3 (2.6)
0.18 >=0.20	CCDC18 (3.2)	SKA1 (2.5)	MTF2 (2.4)

0.18 >=0.20	CPNE2 (3.3)	PTPMT1 (2.4)	TTC39B (2.3)
0.18 >=0.20	TBKBP1 (3.4)	DOCK6 (3.0)	EXOC3L1 (2.9)
0.18 >=0.20	C17orf105 (3.3)	UVRAG (2.7)	FRMD5 (2.5)
0.18 >=0.20	MYBPC3 (4.7)	TCAP (3.2)	ARHGAP1 (3.1)
0.18 >=0.20	RAPSN (7.9)	TCAP (4.6)	PACSIN3 (3.6)
0.18 >=0.20	DOCK6 (3.3)	GRB7 (3.2)	ELMO3 (3.0)
0.18 >=0.20	DOCK6 (3.3)	GRB7 (3.2)	ELMO3 (3.0)
0.18 >=0.20	DDB2 (5.8)	ABCA1 (3.1)	CD40 (2.6)
0.18 >=0.20	CES4A (4.3)	TECTB (3.9)	SEC14L4 (3.5)
0.18 >=0.20	SLC12A4 (3.2)	NFATC3 (3.0)	ENSG00000181296 (2
0.18 >=0.20	LRP4 (2.4)	MACF1 (2.3)	SETD8 (2.3)
0.18 >=0.20	SKA1 (4.1)	WDR76 (3.7)	CXXC1 (3.7)
0.18 >=0.20	PTPRJ (2.7)	OASL (2.6)	PLA2G15 (2.5)
0.18 >=0.20	CDK12 (4.3)	EDC4 (3.9)	GPN2 (3.8)
0.18 >=0.20	RELB (8.0)	CD40 (6.5)	BCL3 (6.5)
0.18 >=0.20	LPL (2.5)	SPRYD5 (2.4)	OR5L2 (2.2)
0.18 >=0.20	TMED5 (4.3)	GALNT2 (4.0)	PIGV (3.3)
0.18 >=0.20	SIDT2 (3.8)	TBL2 (3.7)	PVRL2 (3.1)
0.18 >=0.20	KCTD6 (2.5)	SPG11 (2.5)	ENSG00000226645 (2
0.18 >=0.20	MTMR3 (4.1)	DOCK6 (3.2)	UBE3B (2.6)
0.18 >=0.20	B3GNT9 (4.0)	TAGLN (3.6)	PLTP (3.0)
0.18 >=0.20	LPL (4.0)	TAGLN (3.5)	ABCA8 (2.9)
0.18 >=0.20	NLRC5 (5.8)	SDF2L1 (4.4)	PGAP3 (4.3)
0.18 >=0.20	BCAM (3.8)	KIAA0754 (3.3)	MST1R (3.2)
0.18 >=0.20	TRNP1 (3.3)	SETD8 (3.0)	HDAC5 (2.8)
0.18 >=0.20	SPG11 (4.4)	C12orf43 (3.8)	MIEN1 (3.1)
0.18 >=0.20	EDC4 (4.4)	NUP160 (4.0)	NUDT21 (3.5)
0.18 >=0.20	PXK (3.3)	RLTPR (3.1)	SPI1 (2.6)
0.18 >=0.20	COQ9 (4.5)	PDHB (4.3)	ACAA2 (3.7)
0.18 >=0.20	PSMC3 (3.4)	NUTF2 (3.3)	SNORD58C (3.3)
0.18 >=0.20	CD40 (6.1)	RELB (5.1)	CCL22 (5.1)
0.18 >=0.20	NAGS (4.4)	APOC4 (4.3)	LPA (4.1)
0.18 >=0.20	DUSP3 (3.7)	DGKG (3.4)	ZFAND2A (3.2)
0.18 >=0.20	TAGLN (3.8)	FZD9 (3.0)	SLC39A13 (2.9)
0.18 >=0.20	NUP93 (3.9)	PSMC3 (3.9)	KPNB1 (3.9)
0.18 >=0.20	C1orf172 (6.1)	ESRP2 (5.4)	MST1R (5.4)
0.18 >=0.20	ZNF613 (2.5)	C17orf57 (2.4)	KLHL8 (2.3)
0.18 >=0.20	B3GNT9 (3.5)	ENSG00000247445 (3	ENSG00000181123 (3
0.18 >=0.20	UVRAG (2.7)	CSGALNACT1 (2.6)	ARID1A (2.5)
0.18 >=0.20	MYBPC3 (8.1)	TCAP (6.9)	FRMD5 (4.6)
0.18 >=0.20	PLTP (4.1)	CD36 (3.2)	SLC12A3 (2.9)
0.19 >=0.20	FPR3 (5.2)	RBPJ (3.7)	RELB (3.6)
0.19 >=0.20	FEN1 (5.3)	WDR76 (5.1)	C16orf48 (3.5)
0.19 >=0.20	COQ9 (2.9)	MVK (2.9)	OGFOD1 (2.6)
0.19 >=0.20	BCL3 (3.6)	PYY (3.1)	PSMB10 (2.7)
0.19 >=0.20	RAB11B (3.2)	UBE3B (2.7)	MON1A (2.7)
0.19 >=0.20	PYY (7.1)	APOA4 (5.4)	APOC3 (4.3)
0.19 >=0.20	BCAM (4.3)	TAGLN (3.9)	PVRL2 (3.0)
0.19 >=0.20	TGM7 (3.2)	PIGV (2.8)	LILRB2 (2.5)
0.19 >=0.20	LPA (3.1)	ENSG00000254235 (2	HSF4 (2.9)

0.19	>=0.20	C11orf49 (2.7)	MT1H (2.7)	TOMM40 (2.7)
0.19	>=0.20	ENSG00000226334 (3	LILRA3 (3.3)	LILRB2 (3.2)
0.19	>=0.20	RLTPR (3.1)	CCL22 (2.6)	ENSG00000226334 (2
0.19	>=0.20	PLG (3.1)	LPL (2.7)	PTPRZ1 (2.4)
0.19	>=0.20	MTCH2 (5.1)	PDHB (4.0)	COQ9 (3.6)
0.19	>=0.20	SETD8 (3.8)	DEPDC1 (3.5)	SKA1 (3.5)
0.19	>=0.20	C1orf172 (6.2)	ELMO3 (5.5)	ESRP2 (5.4)
0.19	>=0.20	MYBPC3 (5.5)	PPY (4.1)	FRMD5 (3.5)
0.19	>=0.20	TRPS1 (3.5)	RAB11B (2.8)	LCAT (2.4)
0.19	>=0.20	PDHB (7.1)	COQ9 (6.7)	MTCH2 (5.1)
0.19	>=0.20	TNKS (3.0)	KPNB1 (2.8)	TECTB (2.5)
0.19	>=0.20	NR1H3 (3.5)	APOE (3.2)	REEP3 (2.8)
0.19	>=0.20	TRIB1 (5.7)	MAFF (3.9)	TRPS1 (3.8)
0.19	>=0.20	ENSG00000181123 (3	ABCB9 (3.1)	HCAR1 (2.9)
0.19	>=0.20	MLXIPL (3.2)	SBNO1 (2.9)	SLC7A6 (2.6)
0.19	>=0.20	ZNF259 (4.8)	EIF3J (3.5)	TOMM40 (3.3)
0.19	>=0.20	CTRL (15.7)	APOA4 (6.8)	PPY (5.9)
0.19	>=0.20	FNBP4 (4.5)	RBM6 (4.2)	BUD13 (3.6)
0.19	>=0.20	KPNB1 (4.1)	PSMC3 (3.9)	MTCH2 (3.4)
0.19	>=0.20	RANBP10 (4.4)	POLR2C (3.9)	EPB42 (3.0)
0.19	>=0.20	MMAB (6.1)	MVK (4.8)	FADS2 (3.2)
0.19	>=0.20	SNX13 (4.7)	PXK (4.0)	REEP3 (3.3)
0.19	>=0.20	FNBP4 (4.0)	NCOA5 (3.4)	RBM6 (3.3)
0.19	>=0.20	FPR3 (5.3)	CCL22 (3.5)	ACP2 (3.5)
0.19	>=0.20	FPR3 (4.9)	LILRB2 (4.0)	RELB (3.9)
0.19	>=0.20	DR1 (2.8)	SBNO1 (2.7)	ARID1A (2.6)
0.19	>=0.20	ESRP2 (3.2)	NR0B2 (3.0)	C11orf9 (2.3)
0.19	>=0.20	C12orf43 (3.4)	INTS10 (3.1)	PRMT7 (3.1)
0.19	>=0.20	BCAM (4.6)	PVRL2 (4.0)	C11orf9 (3.8)
0.19	>=0.20	TNKS (2.5)	GALNT2 (2.4)	PVRL2 (2.4)
0.19	>=0.20	SNORD58C (3.2)	FNBP4 (3.0)	UBE2L3 (2.8)
0.19	>=0.20	ENSG00000247867 (2	XKR8 (2.5)	MST1R (2.5)
0.19	>=0.20	F2 (4.5)	LCAT (4.3)	BCAM (3.6)
0.19	>=0.20	GRB7 (2.9)	SLC12A3 (2.8)	SPRYD5 (2.7)
0.19	>=0.20	SPI1 (3.6)	GLUL (3.0)	COX19 (2.5)
0.19	>=0.20	PCIF1 (4.2)	KBTBD4 (3.5)	BUD13 (3.4)
0.19	>=0.20	DEPDC1 (7.3)	SKA1 (6.3)	CKAP5 (4.9)
0.19	>=0.20	ZNF614 (4.4)	KCTD6 (2.4)	MYO1H (2.4)
0.19	>=0.20	FNBP4 (5.1)	RBM5 (4.7)	RBM6 (4.0)
0.19	>=0.20	GPIHBP1 (3.1)	FZD9 (2.8)	HSF4 (2.7)
0.19	>=0.20	PTPRJ (2.4)	CPNE2 (2.3)	MT1X (2.2)
0.19	>=0.20	FBXL20 (3.8)	ATG13 (3.5)	C16orf70 (3.0)
0.19	>=0.20	DYM (3.7)	CDK12 (3.7)	PGAP3 (3.3)
0.19	>=0.20	TRIB1 (3.6)	JMJD1C (3.2)	MAFF (2.4)
0.19	>=0.20	SFN (5.5)	C1orf172 (4.7)	GRB7 (4.5)
0.19	>=0.20	SFN (5.2)	TGM5 (3.0)	ESRP2 (2.8)
0.19	>=0.20	NLRC5 (3.0)	OR5I1 (2.2)	PPY (2.2)
0.19	>=0.20	AMBRA1 (3.6)	LCMT2 (3.2)	ZNF614 (3.1)
0.19	>=0.20	TSNAXIP1 (2.9)	C11orf49 (2.9)	C7orf50 (2.4)
0.19	>=0.20	UBR1 (2.6)	JMJD1C (2.5)	OR5J2 (2.4)

0.19	>=0.20	CIAPIN1 (3.2)	PDHB (3.1)	COQ9 (3.1)
0.19	>=0.20	NAGS (5.0)	C17orf57 (3.8)	CPS1 (3.6)
0.19	>=0.20	PGS1 (3.7)	PAFAH1B2 (3.0)	RAB11B (2.9)
0.19	>=0.20	TRPS1 (4.5)	CELSR2 (3.3)	CDK12 (3.0)
0.19	>=0.20	CD40 (5.1)	LILRB2 (3.9)	SPI1 (3.7)
0.2	>=0.20	FZD9 (5.8)	RSPO3 (2.8)	TRPS1 (2.7)
0.2	>=0.20	GNAO1 (3.8)	FRMD5 (2.6)	MADD (2.4)
0.2	>=0.20	EXOC3L1 (4.0)	CSGALNACT1 (3.1)	DOCK6 (2.9)
0.2	>=0.20	DEPDC1 (6.3)	SKA1 (5.7)	CKAP5 (5.6)
0.2	>=0.20	GPIHBP1 (3.7)	CD300LG (3.6)	BCAM (3.2)
0.2	>=0.20	RAB11B (2.6)	DYM (2.5)	ENSG00000181123 (2
0.2	>=0.20	RELB (3.7)	MED1 (3.2)	NUP93 (2.8)
0.2	>=0.20	C17orf105 (3.7)	OR5I1 (2.9)	PPY (2.9)
0.2	>=0.20	PDHB (3.3)	APOC4 (3.0)	LILRA3 (2.8)
0.2	>=0.20	EYA3 (3.0)	TMEM175 (2.7)	PPIP5K1 (2.6)
0.2	>=0.20	TAGLN (4.7)	GPIHBP1 (3.9)	PDE3A (3.7)
0.2	>=0.20	BCL7B (4.4)	THAP11 (3.3)	MTF2 (3.2)
0.2	>=0.20	BCL7B (4.4)	THAP11 (3.3)	MTF2 (3.2)
0.2	>=0.20	ABCA8 (4.8)	APOC1 (3.5)	C11orf9 (2.9)
0.2	>=0.20	PDE3A (3.2)	TGM5 (3.1)	DOCK6 (3.0)
0.2	>=0.20	CXXC1 (3.1)	E2F4 (3.0)	RBPJ (2.9)
0.2	>=0.20	AMBRA1 (4.3)	ZNF614 (3.1)	LCMT2 (3.0)
0.2	>=0.20	DEPDC1 (3.6)	SKA1 (3.4)	PCSK7 (3.2)
0.2	>=0.20	GPIHBP1 (2.9)	CES4A (2.7)	DOCK6 (2.6)
0.2	>=0.20	WDR76 (4.5)	FEN1 (3.5)	CKAP5 (3.2)
0.2	>=0.20	SCARB1 (3.8)	ST3GAL4 (3.5)	NR0B2 (3.1)
0.2	>=0.20	SNORD58C (3.5)	SETD8 (2.9)	UBE2L3 (2.6)
0.2	>=0.20	EIF3J (3.4)	TOMM40 (3.4)	OGFOD1 (3.3)
0.2	>=0.20	RELB (3.0)	RLTPR (2.9)	ZDHHC18 (2.8)
0.2	>=0.20	DOCK6 (4.6)	GPIHBP1 (3.1)	EXOC3L1 (3.1)
0.2	>=0.20	ENSG00000229043 (3	CCNDBP1 (2.9)	NUTF2 (2.7)
0.2	>=0.20	AMBRA1 (4.0)	LCMT2 (3.1)	PACSIN3 (2.9)
0.2	>=0.20	KPNB1 (3.4)	TP53BP1 (3.2)	NPEPPS (2.7)
0.2	>=0.20	APOA1 (3.6)	SCARB1 (2.4)	ST3GAL4 (2.4)
0.2	>=0.20	EPB42 (2.6)	C18orf32 (2.5)	PTPMT1 (2.3)
0.2	>=0.20	DEPDC1 (5.2)	SKA1 (5.0)	CKAP5 (4.9)
0.2	>=0.20	CYP26A1 (5.2)	KCTD6 (2.5)	THAP11 (2.3)
0.2	>=0.20	PPY (5.3)	PYY (4.7)	ABCB9 (3.2)
0.2	>=0.20	LIPG (3.3)	PLTP (3.2)	TRPS1 (3.0)
0.2	>=0.20	SLC12A3 (4.5)	BCAM (3.6)	PVRL2 (3.6)
0.2	>=0.20	EDC4 (3.9)	NUP160 (3.7)	NUDT21 (3.1)
0.2	>=0.20	NUDT21 (3.2)	THAP11 (3.1)	EDC4 (3.1)
0.2	>=0.20	ERBB2 (7.5)	PGAP3 (3.9)	SLC12A4 (2.8)
0.2	>=0.20	SLC12A3 (6.4)	APOA4 (4.1)	HNF4A (3.5)
0.2	>=0.20	PITPNM2 (2.7)	HCAR1 (2.7)	ETV5 (2.5)
0.2	>=0.20	EPB42 (10.3)	RANBP10 (5.4)	SEC14L4 (4.6)
0.2	>=0.20	SNX13 (3.0)	MACF1 (2.6)	PVRL2 (2.6)
0.2	>=0.20	CD36 (4.3)	PDE3A (3.8)	BCAM (3.4)
0.2	>=0.20	PTPRZ1 (2.6)	ENSG00000229043 (2	SOST (2.3)
0.2	>=0.20	PDHB (3.7)	ARFGAP2 (3.2)	COQ9 (2.7)

0.2	>=0.20	AMBRA1 (4.5)	MTMR3 (3.2)	AFF1 (3.1)
0.2	>=0.20	ENSG00000181123 (3	PDE3A (3.4)	MMAB (2.8)
0.2	>=0.20	EDC4 (3.7)	PCIF1 (3.6)	RBM6 (3.5)
0.2	>=0.20	JMJD1C (2.4)	SMPD3 (2.3)	CSGALNACT1 (2.3)
0.2	>=0.20	CITED2 (3.4)	MT1H (2.9)	MT1X (2.9)
0.2	>=0.20	RBM6 (4.7)	PCIF1 (4.4)	MFAP1 (3.7)
0.2	>=0.20	NAGS (2.8)	SLC7A6OS (2.5)	C7orf50 (2.4)
0.2	>=0.20	CMIP (4.0)	AFF1 (3.1)	C11orf9 (2.8)
0.2	>=0.20	BCL7B (3.2)	ZFAND2A (2.9)	ENSG00000182109 (2
0.2	>=0.20	C1orf172 (6.5)	ELMO3 (6.2)	ESRP2 (5.1)
0.2	>=0.20	OR4A21P (3.2)	TMED5 (2.9)	YDJC (2.4)
0.2	>=0.20	CLPTM1 (3.7)	PLA2G15 (2.7)	MIEN1 (2.7)
0.2	>=0.20	CLPTM1 (3.7)	PLA2G15 (2.7)	MIEN1 (2.7)
0.2	>=0.20	EPB42 (11.2)	RANBP10 (4.5)	SEC14L4 (3.4)
0.2	>=0.20	RAB11B (3.8)	TTBK2 (2.7)	KLHL8 (2.6)
0.2	>=0.20	TAGLN (5.9)	ARHGAP1 (3.8)	FHOD1 (3.3)
0.2	>=0.20	ESRP2 (5.5)	C1orf172 (5.3)	ELMO3 (4.9)
0.2	>=0.20	MTMR3 (3.7)	CBFB (3.4)	GALNT2 (3.2)
0.2	>=0.20	C17orf105 (5.8)	BMP8A (2.9)	KCTD19 (2.9)
0.2	>=0.20	ATG13 (4.7)	TBL2 (4.5)	SLC39A13 (3.5)
0.2	>=0.20	MMAB (4.3)	MVK (4.3)	SDF2L1 (4.0)
0.2	>=0.20	UBE3B (2.7)	TMEM175 (2.3)	RNF214 (2.3)
0.2	>=0.20	ENSG00000226645 (2	MYO1H (2.4)	RBPJ (2.3)
0.21	>=0.20	LPA (3.2)	LILRB2 (3.0)	SPI1 (3.0)
0.21	>=0.20	GPAM (3.1)	PSMC3 (2.7)	TOMM40 (2.6)
0.21	>=0.20	ABCA8 (3.0)	RSPO3 (2.7)	TBKBP1 (2.4)
0.21	>=0.20	PCSK7 (3.7)	PAFAH1B2 (3.4)	C11orf9 (3.2)
0.21	>=0.20	CIAPIN1 (4.1)	COQ9 (3.4)	PDIA3 (3.3)
0.21	>=0.20	EXOC3L1 (5.6)	GPIHBP1 (5.5)	DOCK6 (4.1)
0.21	>=0.20	PDIA3 (5.4)	SDF2L1 (4.8)	HERPUD1 (3.4)
0.21	>=0.20	C1orf172 (2.8)	DYM (2.6)	CELSR2 (2.6)
0.21	>=0.20	TAGLN (3.4)	ARHGAP1 (3.3)	KCTD10 (3.1)
0.21	>=0.20	ABCA1 (5.3)	NR1H3 (4.0)	FPR3 (3.4)
0.21	>=0.20	PLTP (5.0)	DOCK6 (3.9)	GPIHBP1 (3.8)
0.21	>=0.20	RELB (4.2)	SLC12A4 (2.9)	CD40 (2.8)
0.21	>=0.20	PRMT7 (3.0)	CELF1 (2.7)	KLHL8 (2.6)
0.21	>=0.20	CES4A (2.4)	HSF4 (2.3)	SLC22A1 (2.3)
0.21	>=0.20	SLC22A1 (6.6)	LPA (4.6)	APOC4 (4.4)
0.21	>=0.20	BCAM (3.3)	SNORD58C (3.0)	PTPRZ1 (2.8)
0.21	>=0.20	SPRYD5 (3.5)	DGAT2 (2.7)	NUTF2 (2.5)
0.21	>=0.20	SFN (5.3)	MST1R (4.2)	C1orf172 (3.7)
0.21	>=0.20	PPIP5K1 (3.3)	PYY (3.2)	MST1R (3.0)
0.21	>=0.20	BCL3 (4.9)	CCL17 (4.0)	CCL22 (3.9)
0.21	>=0.20	RBM5 (2.6)	SETD8 (2.5)	ARID1A (2.4)
0.21	>=0.20	ST3GAL4 (3.0)	ZSCAN29 (2.4)	ENSG00000181123 (2
0.21	>=0.20	NRBF2 (4.0)	OASL (3.3)	TGM7 (3.1)
0.21	>=0.20	PGS1 (2.7)	RELB (2.6)	TMEM62 (2.5)
0.21	>=0.20	AMBRA1 (4.4)	AFF1 (3.3)	ARID1A (3.2)
0.21	>=0.20	NLRC5 (8.4)	PSMB10 (7.3)	OASL (4.9)
0.21	>=0.20	KIAA0895L (2.8)	GLUL (2.4)	NLRC5 (2.3)

0.21 >=0.20	KCTD6 (4.1)	COQ9 (3.7)	BBS2 (3.5)
0.21 >=0.20	C11orf9 (4.2)	HNF4A (4.1)	TAGLN (2.9)
0.21 >=0.20	ZFAND2A (3.5)	HDAC5 (3.5)	MMAB (3.2)
0.21 >=0.20	SPI1 (2.4)	FPR3 (2.4)	NFATC3 (2.4)
0.21 >=0.20	WDR76 (4.3)	FEN1 (4.0)	SKA1 (3.8)
0.21 >=0.20	PCIF1 (3.5)	CXXC1 (3.3)	POLR2C (3.1)
0.21 >=0.20	PCIF1 (3.5)	CXXC1 (3.3)	POLR2C (3.1)
0.21 >=0.20	TTC39B (2.9)	LILRB2 (2.5)	ST3GAL4 (2.2)
0.21 >=0.20	OASL (4.8)	CCDC116 (3.1)	TMEM62 (2.9)
0.21 >=0.20	EDC4 (4.1)	ACD (3.9)	CXXC1 (3.8)
0.21 >=0.20	DDB2 (3.2)	NLRC5 (2.8)	OR4A1P (2.6)
0.21 >=0.20	REEP3 (3.0)	PCIF1 (2.9)	CLPTM1 (2.6)
0.21 >=0.20	RAPSN (4.6)	PDE3A (4.1)	ABCA8 (4.0)
0.21 >=0.20	CYP26A1 (4.4)	SOST (3.2)	ETV5 (3.0)
0.21 >=0.20	ZNF259 (4.3)	EIF3J (3.1)	GPN2 (3.1)
0.21 >=0.20	PPP1R1B (3.3)	CX3CL1 (3.1)	FRMD5 (2.7)
0.21 >=0.20	DEPDC1 (4.4)	SKA1 (4.2)	CENPT (4.0)
0.21 >=0.20	PCSK7 (3.1)	RAB11B (3.1)	YDJC (3.0)
0.21 >=0.20	TCAP (5.7)	PACSIN3 (4.4)	MYBPC3 (3.6)
0.21 >=0.20	BBS2 (5.4)	RSPRY1 (4.6)	EDC4 (4.1)
0.21 >=0.20	SNORD58C (2.8)	CITED2 (2.6)	SOST (2.3)
0.21 >=0.20	SFN (4.0)	PVRL2 (3.5)	PDIA3 (3.0)
0.21 >=0.20	ENSG00000247445 (3	B3GNT9 (3.4)	ENSG00000181123 (3
0.21 >=0.20	FNBP4 (4.1)	CXXC1 (3.7)	LSM12 (3.2)
0.21 >=0.20	CCL22 (8.0)	RBPJ (4.0)	FPR3 (3.8)
0.21 >=0.20	TNKS (3.0)	EXOC3L1 (2.9)	LRP4 (2.7)
0.21 >=0.20	ETV5 (5.7)	ENSG00000226645 (4	TRIB1 (3.8)
0.21 >=0.20	UVRAG (2.7)	MTMR3 (2.6)	SETD8 (2.5)
0.21 >=0.20	SLC12A4 (3.6)	CPNE2 (3.3)	SETD8 (3.2)
0.21 >=0.20	EXOC3L1 (5.6)	GPIHBP1 (5.5)	DOCK6 (4.0)
0.21 >=0.20	ZNF408 (3.8)	NCOA5 (3.7)	DDX28 (3.5)
0.21 >=0.20	AMBRA1 (3.5)	ARID1A (3.4)	ARFGAP2 (3.2)
0.21 >=0.20	HERPUD1 (4.0)	KPNB1 (3.7)	OGFOD1 (3.4)
0.21 >=0.20	GPN2 (4.2)	EDC4 (4.0)	CDK12 (3.8)
0.21 >=0.20	PSMC3 (4.2)	NUTF2 (3.9)	UBE2L3 (3.6)
0.21 >=0.20	GRB7 (4.7)	C1orf172 (4.5)	MST1R (4.1)
0.21 >=0.20	EDC4 (4.0)	ARFGAP2 (3.5)	PCIF1 (3.4)
0.22 >=0.20	YDJC (3.8)	LPA (3.7)	SLC22A1 (3.4)
0.22 >=0.20	NUTF2 (3.3)	ZNF350 (3.2)	ZNF613 (3.1)
0.22 >=0.20	XKR8 (2.1)	C12orf65 (2.0)	CCL22 (1.9)
0.22 >=0.20	SLC12A3 (8.2)	COBLL1 (3.7)	PYY (3.0)
0.22 >=0.20	FZD9 (4.0)	TRPS1 (3.1)	GPER (2.4)
0.22 >=0.20	GALNT2 (3.6)	ST3GAL4 (3.3)	PTPRJ (2.9)
0.22 >=0.20	APOA4 (4.1)	OR4A21P (2.4)	OR5L2 (2.4)
0.22 >=0.20	CCDC92 (3.4)	PITPNM2 (3.2)	CATSPER2 (3.2)
0.22 >=0.20	PLA2G15 (2.5)	ST3GAL4 (2.5)	SCARB1 (2.5)
0.22 >=0.20	ARID1A (4.1)	BAZ1B (4.0)	SBNO1 (3.7)
0.22 >=0.20	ARID1A (4.1)	BAZ1B (4.0)	SBNO1 (3.7)
0.22 >=0.20	OASL (5.7)	CCL22 (4.2)	PSMB10 (4.1)
0.22 >=0.20	CYP26A1 (3.1)	GLUL (3.0)	LILRB2 (2.0)

0.22 >=0.20	OASL (4.3)	NCOA5 (3.7)	AFF1 (3.2)
0.22 >=0.20	DEPDC1 (7.1)	SKA1 (6.3)	CKAP5 (4.8)
0.22 >=0.20	SNORD58C (3.4)	ZNF259 (3.3)	TOMM40 (3.1)
0.22 >=0.20	SBNO1 (4.2)	ZNF664 (3.4)	NEUROD2 (3.0)
0.22 >=0.20	APOC4 (5.0)	SCARB1 (5.0)	SLC22A1 (4.6)
0.22 >=0.20	MIEN1 (3.2)	ATG13 (3.1)	ARHGAP1 (2.9)
0.22 >=0.20	ATG13 (5.0)	SLC39A13 (3.3)	ARHGAP1 (3.2)
0.22 >=0.20	PYY (3.6)	C1orf172 (3.4)	ST3GAL4 (2.6)
0.22 >=0.20	VEGFA (3.3)	PTPRZ1 (3.1)	MACF1 (2.9)
0.22 >=0.20	RELB (8.8)	BCL3 (6.0)	MAFF (3.9)
0.22 >=0.20	ELMO3 (3.0)	ESRP2 (2.9)	CMIP (2.8)
0.22 >=0.20	C1orf172 (5.8)	ESRP2 (4.9)	ELMO3 (4.5)
0.22 >=0.20	VEGFA (3.1)	CTRL (3.1)	PVRL2 (3.1)
0.22 >=0.20	ENSG00000181296 (3	BBS2 (3.3)	C16orf48 (2.8)
0.22 >=0.20	PSMC3 (5.0)	KPNB1 (3.0)	NUP93 (2.9)
0.22 >=0.20	PDIA3 (8.7)	SDF2L1 (7.5)	CLPTM1 (3.5)
0.22 >=0.20	TAGLN (6.4)	PDE3A (4.7)	KANK2 (3.8)
0.22 >=0.20	PDE3A (5.7)	CPS1 (2.4)	MADD (2.3)
0.22 >=0.20	MMAB (14.3)	MVK (12.7)	FADS2 (11.5)
0.22 >=0.20	C1orf172 (5.6)	ESRP2 (5.0)	ELMO3 (4.6)
0.22 >=0.20	SLC12A4 (2.6)	NLRC5 (2.4)	ST3GAL4 (2.3)
0.22 >=0.20	PGAP3 (3.4)	SFN (2.6)	CMIP (2.6)
0.22 >=0.20	RBM5 (3.9)	CETP (3.3)	CTDSPL2 (2.8)
0.22 >=0.20	SNX10 (3.0)	RAB11B (2.8)	FHOD1 (2.7)
0.22 >=0.20	EDC4 (4.2)	FHOD1 (3.4)	OGFOD1 (3.1)
0.22 >=0.20	DDB2 (3.6)	PSMB10 (3.5)	NLRC5 (3.0)
0.22 >=0.20	MYO1H (5.2)	CSGALNACT1 (4.2)	TGM7 (3.1)
0.22 >=0.20	PPY (7.1)	CTRL (3.8)	ANGPTL4 (3.4)
0.22 >=0.20	ZNF259 (3.8)	OGFOD1 (3.4)	SLC7A6OS (2.8)
0.22 >=0.20	CYP26A1 (3.2)	MVK (3.0)	TRPS1 (2.7)
0.22 >=0.20	SPI1 (6.7)	DPEP2 (4.9)	LILRB2 (4.7)
0.22 >=0.20	LRRC29 (2.8)	BCL7B (2.5)	FBXL20 (2.4)
0.22 >=0.20	MAFF (5.4)	TRIB1 (4.6)	HERPUD1 (2.4)
0.22 >=0.20	DDB2 (3.1)	NLRC5 (2.8)	OR4A1P (2.7)
0.22 >=0.20	DOCK6 (4.0)	GPIHBP1 (3.5)	LRP4 (2.6)
0.22 >=0.20	UVRAG (2.7)	MTMR3 (2.7)	SIK3 (2.4)
0.22 >=0.20	PXK (2.5)	SMPD3 (2.1)	MST1R (2.0)
0.22 >=0.20	CD40 (5.3)	CCL22 (4.4)	CCL17 (3.8)
0.22 >=0.20	C1orf172 (6.1)	ELMO3 (4.9)	ESRP2 (4.9)
0.22 >=0.20	TMEM208 (3.5)	PSMC3 (3.1)	PDHB (3.0)
0.22 >=0.20	PPY (5.6)	PYY (4.6)	ABCB9 (3.9)
0.22 >=0.20	PPY (5.6)	PYY (4.6)	ABCB9 (3.9)
0.22 >=0.20	EIF3J (4.2)	LSM12 (3.6)	OGFOD1 (3.4)
0.22 >=0.20	CD300LG (3.6)	SMPD3 (3.3)	VEGFA (2.2)
0.22 >=0.20	RSPO3 (4.3)	CYP26A1 (3.4)	FZD9 (2.7)
0.23 >=0.20	MYBPC3 (3.6)	VEGFA (3.4)	TCAP (3.3)
0.23 >=0.20	CETP (3.1)	ETV5 (2.6)	VEGFA (2.6)
0.23 >=0.20	NLRC5 (6.0)	PSMB10 (2.7)	PCSK7 (2.4)
0.23 >=0.20	ABHD6 (2.8)	DGKG (2.6)	APOA1 (2.5)
0.23 >=0.20	PTPRZ1 (4.4)	NEUROD2 (4.3)	CYP26A1 (3.4)

0.23	>=0.20	OR4A21P (3.4)	PNMT (3.1)	ENSG00000255507 (2
0.23	>=0.20	GPN2 (4.7)	MIEN1 (3.6)	EDC4 (3.6)
0.23	>=0.20	SLC22A1 (3.1)	CD40 (3.1)	RLTPR (3.0)
0.23	>=0.20	PPY (3.2)	HCAR1 (3.0)	MLXIPL (2.8)
0.23	>=0.20	PCSK7 (3.7)	PAFAH1B2 (3.2)	AFF1 (3.1)
0.23	>=0.20	SDF2L1 (3.9)	DEPDC1 (3.5)	SKA1 (3.1)
0.23	>=0.20	PDIA3 (10.0)	SDF2L1 (8.3)	HERPUD1 (4.0)
0.23	>=0.20	PLTP (2.9)	ACP2 (2.7)	SPI1 (2.6)
0.23	>=0.20	ENSG00000256746 (3	RSPO3 (3.0)	OR4A1P (2.9)
0.23	>=0.20	SIK3 (3.3)	BUD13 (2.8)	MYO5B (2.8)
0.23	>=0.20	JMJD1C (3.2)	SPRYD5 (2.7)	SIK3 (2.3)
0.23	>=0.20	HDAC5 (2.7)	AFF1 (2.6)	LILRB2 (2.4)
0.23	>=0.20	ARID1A (3.6)	JMJD1C (3.0)	MTF2 (2.8)
0.23	>=0.20	CYP26A1 (2.6)	RSPO3 (2.5)	IGF2R (2.4)
0.23	>=0.20	ETV5 (3.4)	CX3CL1 (3.2)	CD36 (2.8)
0.23	>=0.20	ETV5 (3.4)	CX3CL1 (3.2)	CD36 (2.8)
0.23	>=0.20	MACF1 (2.8)	ZNF335 (2.2)	NFATC3 (2.1)
0.23	>=0.20	RLTPR (3.9)	MTF2 (3.3)	RELB (2.6)
0.23	>=0.20	NEUROD2 (4.6)	MPP3 (3.2)	GNAO1 (2.6)
0.23	>=0.20	MTMR3 (2.8)	UVRAG (2.7)	MACF1 (2.7)
0.23	>=0.20	MTMR3 (2.8)	UVRAG (2.7)	MACF1 (2.7)
0.23	>=0.20	MON1A (3.4)	TRADD (2.9)	GFOD2 (2.7)
0.23	>=0.20	SNX13 (3.1)	BCL7B (3.0)	MTF2 (2.8)
0.23	>=0.20	MTMR3 (2.7)	FBXL20 (2.6)	GRB7 (2.6)
0.23	>=0.20	RELB (9.0)	BCL3 (6.2)	CD40 (5.9)
0.23	>=0.20	RELB (9.0)	BCL3 (6.2)	CD40 (5.9)
0.23	>=0.20	NOL3 (2.9)	FADS1 (2.4)	TMEM62 (2.4)
0.23	>=0.20	TNKS (5.1)	CYP2W1 (3.5)	RSPRY1 (3.3)
0.23	>=0.20	NLRC5 (2.9)	TRPS1 (2.7)	BCL3 (2.6)
0.23	>=0.20	MMAB (4.2)	SEC14L4 (4.0)	EPB42 (3.2)
0.23	>=0.20	ENSG00000236267 (4	DPEP2 (3.4)	C17orf57 (3.2)
0.23	>=0.20	RSPO3 (3.8)	FZD9 (3.7)	TAGLN (3.4)
0.23	>=0.20	HERPUD1 (4.8)	SLC12A3 (3.4)	APOA4 (2.5)
0.23	>=0.20	RELB (5.3)	SPI1 (4.1)	CD40 (3.9)
0.23	>=0.20	SFN (3.4)	ESRP2 (2.8)	TGM5 (2.4)
0.23	>=0.20	SLC22A1 (5.7)	LPA (5.6)	APOC4 (5.0)
0.23	>=0.20	ST3GAL4 (3.5)	ZNF613 (3.2)	SCARB1 (2.9)
0.23	>=0.20	CXXC1 (4.3)	C16orf48 (3.2)	MTF2 (3.1)
0.23	>=0.20	CLPTM1 (3.7)	MIEN1 (2.9)	TMEM175 (2.7)
0.23	>=0.20	OASL (6.9)	BCL3 (3.6)	CD40 (3.5)
0.23	>=0.20	FNBP4 (4.4)	ENSG00000182109 (3	SNORD58C (3.6)
0.23	>=0.20	SCARB1 (3.0)	JMJD1C (2.8)	C19orf80 (2.6)
0.23	>=0.20	COBLL1 (3.7)	HNF1A (2.9)	PLTP (2.8)
0.23	>=0.20	PTPMT1 (3.4)	G6PC3 (3.0)	MTF2 (2.7)
0.23	>=0.20	PGAP3 (5.4)	SIK3 (4.7)	MED1 (4.1)
0.23	>=0.20	NCOA5 (3.7)	CITED2 (3.5)	ARID1A (3.1)
0.23	>=0.20	CCL17 (4.5)	ZFAND2A (4.2)	HERPUD1 (4.2)
0.23	>=0.20	C1orf172 (6.3)	ELMO3 (5.3)	ESRP2 (4.9)
0.23	>=0.20	FNBP4 (5.4)	RBM5 (3.7)	RBM6 (3.6)
0.23	>=0.20	FNBP4 (5.4)	RBM5 (3.7)	RBM6 (3.6)

0.23 >=0.20	EDC4 (3.8)	TP53BP1 (3.4)	SPG11 (3.4)
0.23 >=0.20	TRIB1 (3.1)	PSKH1 (3.0)	MAFF (2.6)
0.23 >=0.20	CD40 (4.4)	CCL22 (3.8)	RLTPR (3.8)
0.23 >=0.20	ZNF350 (10.2)	ZNF615 (8.7)	ZNF614 (8.3)
0.23 >=0.20	RBM5 (3.7)	WDR76 (3.1)	TNKS (2.7)
0.23 >=0.20	ATG13 (4.3)	PCSK7 (3.9)	G6PC3 (3.1)
0.23 >=0.20	OASL (10.7)	RELB (5.8)	PSMB10 (4.9)
0.23 >=0.20	TBL2 (3.4)	SLC22A1 (3.0)	TMEM208 (2.8)
0.23 >=0.20	TBKBP1 (3.7)	HDAC5 (3.2)	PITPNM2 (3.2)
0.23 >=0.20	RLTPR (3.5)	CBFB (3.3)	MTF2 (3.0)
0.24 >=0.20	SDF2L1 (7.8)	PDIA3 (4.9)	HERPUD1 (4.6)
0.24 >=0.20	DEPDC1 (7.4)	SKA1 (6.5)	CCDC18 (4.5)
0.24 >=0.20	ERBB2 (3.8)	TMEM208 (3.6)	CLPTM1 (2.9)
0.24 >=0.20	ZNF614 (3.7)	MYO1H (2.5)	ZNF615 (2.5)
0.24 >=0.20	PCIF1 (3.4)	CXXC1 (3.3)	POLR2C (3.0)
0.24 >=0.20	PCIF1 (3.4)	CXXC1 (3.3)	POLR2C (3.0)
0.24 >=0.20	PCIF1 (3.4)	CXXC1 (3.3)	POLR2C (3.0)
0.24 >=0.20	PCIF1 (3.4)	CXXC1 (3.3)	POLR2C (3.0)
0.24 >=0.20	C17orf105 (5.8)	LRRC29 (2.8)	CCDC116 (2.8)
0.24 >=0.20	LRP4 (3.7)	CYP26A1 (3.5)	FZD9 (3.0)
0.24 >=0.20	TNKS (2.8)	INTS10 (2.6)	CSGALNACT1 (2.5)
0.24 >=0.20	MADD (3.4)	DPEP2 (3.4)	FPR3 (3.2)
0.24 >=0.20	ELMO3 (5.6)	C1orf172 (5.5)	ESRP2 (5.4)
0.24 >=0.20	C1orf172 (4.7)	ELMO3 (3.9)	ETV5 (3.3)
0.24 >=0.20	GRB7 (4.4)	ESRP2 (4.4)	ELMO3 (3.8)
0.24 >=0.20	GLUL (3.0)	MPHOSPH9 (3.0)	PNMT (3.0)
0.24 >=0.20	UBE3B (3.1)	CXXC1 (2.7)	MPHOSPH9 (2.3)
0.24 >=0.20	MT1F (4.8)	MT1G (4.3)	MT1M (3.9)
0.24 >=0.20	ABCA8 (3.0)	RSPO3 (2.6)	CCDC92 (2.5)
0.24 >=0.20	SCARB1 (3.2)	ST3GAL4 (2.9)	OR5I1 (2.5)
0.24 >=0.20	PSMC3 (5.5)	EIF3J (4.0)	PSMB10 (3.4)
0.24 >=0.20	ENSG00000181123 (3	ZNF615 (2.6)	ZNF614 (2.6)
0.24 >=0.20	C12orf43 (3.4)	GPN2 (3.2)	SNX13 (2.8)
0.24 >=0.20	OR5L2 (2.6)	CSGALNACT1 (2.6)	VEGFA (2.1)
0.24 >=0.20	ZNF335 (3.7)	ARID1A (3.2)	EDC4 (3.1)
0.24 >=0.20	CMIP (2.6)	TTC39B (2.4)	C11orf49 (2.3)
0.24 >=0.20	LCAT (3.2)	DPEP2 (3.1)	SEC14L4 (3.0)
0.24 >=0.20	DUS2L (2.9)	AGBL2 (2.9)	TCAP (2.7)
0.24 >=0.20	FNBP4 (3.6)	NUP160 (3.5)	NUDT21 (3.4)
0.24 >=0.20	CYP26A1 (4.3)	SLC22A1 (4.2)	LPA (3.8)
0.24 >=0.20	TCAP (3.5)	TAGLN (2.9)	DOK4 (2.7)
0.24 >=0.20	MTMR3 (2.8)	UVRAG (2.8)	ARID1A (2.7)
0.24 >=0.20	SDF2L1 (6.3)	PDIA3 (6.1)	HERPUD1 (3.9)
0.24 >=0.20	DGKG (4.0)	MACF1 (3.5)	NEUROD2 (2.5)
0.24 >=0.20	CCL22 (4.8)	CCL17 (4.4)	BCL3 (4.0)
0.24 >=0.20	SKA1 (2.9)	MT1H (2.5)	FEN1 (2.5)
0.24 >=0.20	FAM192A (3.8)	NUDT21 (3.7)	E2F4 (3.6)
0.24 >=0.20	GRB7 (3.7)	FBXL20 (3.0)	SIK3 (2.6)
0.24 >=0.20	SKA1 (5.6)	DEPDC1 (5.1)	CXXC1 (3.9)
0.24 >=0.20	SIK3 (3.2)	RBM5 (3.1)	PPP1R1B (3.1)

0.24 >=0.20	TMEM208 (3.6)	CLPTM1 (3.3)	CCNDBP1 (3.3)
0.24 >=0.20	SNORD58C (3.1)	FNBP4 (2.8)	PSMC3 (2.6)
0.24 >=0.20	NUDT21 (4.4)	EDC4 (4.0)	CTDSPL2 (3.6)
0.24 >=0.20	EDC4 (3.5)	MFAP1 (3.3)	NUDT21 (3.1)
0.24 >=0.20	GNAO1 (3.4)	MPP3 (2.9)	MAP1A (2.8)
0.24 >=0.20	ZNF259 (4.7)	TOMM40 (4.2)	EIF3J (3.0)
0.24 >=0.20	GPIHBP1 (2.7)	EXOC3L1 (2.6)	DPEP2 (2.4)
0.24 >=0.20	PDHB (4.4)	COQ9 (3.9)	NDUFS3 (3.8)
0.24 >=0.20	PTPRZ1 (3.3)	CYP26A1 (3.1)	MST1R (2.5)
0.24 >=0.20	SDF2L1 (6.0)	PDIA3 (3.8)	PLTP (3.4)
0.24 >=0.20	ETV5 (3.3)	SPI1 (3.2)	UBR1 (2.9)
0.24 >=0.20	PRMT7 (5.0)	EDC4 (4.2)	DUS2L (4.1)
0.24 >=0.20	TOMM40 (4.5)	PSMC3 (4.4)	MTCH2 (3.6)
0.24 >=0.20	EPB42 (3.4)	C18orf32 (3.1)	TMEM208 (3.0)
0.24 >=0.20	VEGFA (2.7)	MYBPC3 (2.5)	ABCA8 (2.4)
0.24 >=0.20	CCDC11 (3.4)	MADD (2.7)	MBD1 (2.5)
0.24 >=0.20	COX19 (3.6)	PSMC3 (3.5)	SLC7A6 (2.6)
0.24 >=0.20	MTF2 (3.7)	CXXC1 (3.1)	ARID1A (2.2)
0.24 >=0.20	ABCA8 (4.4)	TECTB (3.7)	PLA2G6 (2.6)
0.24 >=0.20	PCIF1 (3.7)	ZNF350 (3.2)	MFAP1 (3.0)
0.24 >=0.20	G6PC3 (4.0)	TMEM175 (3.7)	ENSG00000223745 (3
0.24 >=0.20	NLRC5 (3.8)	PSMB10 (3.4)	RLTPR (2.7)
0.24 >=0.20	MBD1 (3.3)	MIEN1 (3.0)	CCDC11 (2.5)
0.24 >=0.20	LPA (4.0)	CCDC92 (3.3)	LCAT (3.0)
0.24 >=0.20	CD40 (5.4)	SPI1 (4.8)	RELB (4.3)
0.24 >=0.20	B3GNT9 (2.8)	ABCA1 (2.7)	ST3GAL4 (2.5)
0.24 >=0.20	HNF4A (3.1)	HNF1A (2.7)	ST3GAL4 (2.7)
0.24 >=0.20	SBNO1 (3.2)	NUP160 (3.0)	ARID1A (3.0)
0.24 >=0.20	MYBPC3 (8.9)	TCAP (7.6)	FRMD5 (4.1)
0.24 >=0.20	MTCH2 (3.5)	PDHB (2.8)	PAFAH1B2 (2.7)
0.24 >=0.20	TNKS (3.1)	ARID1A (2.9)	NPEPPS (2.9)
0.24 >=0.20	GPN2 (4.3)	CDK12 (3.9)	NRBF2 (3.7)
0.24 >=0.20	SFN (7.7)	ELMO3 (3.0)	PTPRZ1 (2.9)
0.25 >=0.20	SPG11 (4.4)	TP53BP1 (4.0)	UBE3B (3.6)
0.25 >=0.20	KLF14 (3.7)	MT1M (3.5)	GPER (3.2)
0.25 >=0.20	OR5L2 (3.5)	CTRL (3.4)	NRBF2 (3.3)
0.25 >=0.20	C1orf172 (4.7)	SFN (4.3)	CELSR2 (3.1)
0.25 >=0.20	MBD1 (5.6)	TNKS (5.3)	GRB7 (4.8)
0.25 >=0.20	ARID1A (4.1)	CELF1 (3.9)	RAB11B (3.5)
0.25 >=0.20	PSKH1 (3.2)	SNX13 (2.9)	PPY (2.8)
0.25 >=0.20	OR4A21P (2.8)	CTRL (2.8)	MAFF (2.6)
0.25 >=0.20	C12orf65 (3.8)	YDJC (2.9)	RSPRY1 (2.7)
0.25 >=0.20	UBE3B (4.2)	E2F4 (3.7)	ACD (3.3)
0.25 >=0.20	MTMR3 (3.2)	PXK (3.1)	MT1M (3.0)
0.25 >=0.20	APOC1 (3.8)	GLUL (3.2)	PLTP (3.2)
0.25 >=0.20	PPY (5.6)	PYY (4.6)	ABCB9 (3.9)
0.25 >=0.20	PLA2G15 (3.5)	SPI1 (3.1)	PLTP (3.0)
0.25 >=0.20	LILRB2 (4.1)	OASL (3.8)	TMED5 (3.7)
0.25 >=0.20	TAGLN (6.6)	GRB7 (4.8)	MACF1 (3.8)
0.25 >=0.20	C18orf32 (3.5)	MIEN1 (3.0)	SLC12A3 (2.7)

0.25 >=0.20	C18orf32 (3.5)	MIEN1 (3.0)	SLC12A3 (2.7)
0.25 >=0.20	TCAP (3.6)	ACAA2 (3.2)	ANGPTL4 (3.1)
0.25 >=0.20	ACD (3.7)	EDC4 (3.3)	PSKH1 (3.2)
0.25 >=0.20	PPY (4.0)	TRIB1 (3.7)	CYP26A1 (3.5)
0.25 >=0.20	FPR3 (4.4)	SPI1 (4.3)	SPRYD5 (3.5)
0.25 >=0.20	ST3GAL4 (3.3)	C1orf172 (3.1)	PYY (3.0)
0.25 >=0.20	C1orf172 (5.9)	ESRP2 (5.4)	ELMO3 (4.6)
0.25 >=0.20	CCDC92 (3.2)	ZFAND2A (2.9)	MIEN1 (2.3)
0.25 >=0.20	RELB (3.6)	TRADD (3.0)	PVRL2 (2.6)
0.25 >=0.20	LPL (3.8)	CD36 (3.4)	CD300LG (3.1)
0.25 >=0.20	PDIA3 (8.0)	SDF2L1 (7.1)	TBL2 (3.5)
0.25 >=0.20	C1orf172 (3.0)	HNF4A (2.9)	ST3GAL4 (2.9)
0.25 >=0.20	MYO1H (2.6)	KLF14 (2.5)	ENSG00000236267 (2
0.25 >=0.20	APOA4 (3.7)	GPIHBP1 (3.1)	APOC3 (2.6)
0.25 >=0.20	PAFAH1B2 (3.4)	ZNF613 (3.2)	BCL7B (3.2)
0.25 >=0.20	LILRA3 (3.7)	CCDC11 (2.9)	LILRB2 (2.6)
0.25 >=0.20	BACE1 (2.7)	C11orf9 (2.6)	LIPG (2.6)
0.25 >=0.20	TAGLN (6.1)	B3GNT9 (3.4)	PLTP (3.0)
0.25 >=0.20	LILRB2 (3.0)	SPI1 (2.7)	SNX10 (2.7)
0.25 >=0.20	PDIA3 (6.5)	SDF2L1 (5.3)	HERPUD1 (3.6)
0.25 >=0.20	PDIA3 (6.5)	SDF2L1 (5.3)	HERPUD1 (3.6)
0.25 >=0.20	PDIA3 (6.5)	SDF2L1 (5.3)	HERPUD1 (3.6)
0.25 >=0.20	ZNF408 (2.8)	CMIP (2.7)	MPP2 (2.7)
0.25 >=0.20	RSPO3 (4.0)	CYP2W1 (3.0)	ENSG00000181123 (2
0.25 >=0.20	MYBPC3 (5.8)	CD36 (4.3)	LPL (4.1)
0.25 >=0.20	AMBRA1 (3.8)	ZNF614 (3.3)	ZNF615 (3.1)
0.25 >=0.20	CBFB (3.1)	CD300LG (3.0)	ZDHHC18 (2.8)
0.25 >=0.20	DDB2 (4.6)	CENPT (3.7)	FEN1 (3.3)
0.25 >=0.20	NLRC5 (6.2)	LILRA3 (3.3)	IGF2R (2.7)
0.25 >=0.20	LRP4 (2.9)	SETD8 (2.7)	MACF1 (2.7)
0.25 >=0.20	COBLL1 (4.4)	PGAP3 (2.9)	ZDHHC18 (2.3)
0.25 >=0.20	MAFF (3.0)	NPEPPS (2.9)	MTMR3 (2.7)
0.25 >=0.20	UBR1 (3.3)	MFAP1 (3.1)	CCNDBP1 (3.0)
0.25 >=0.20	KLF14 (3.6)	DPEP2 (2.7)	EPB42 (2.5)
0.25 >=0.20	SEC14L4 (5.0)	SLC22A1 (4.6)	APOC1 (3.9)
0.25 >=0.20	COX19 (3.8)	CMIP (3.5)	ZDHHC18 (3.3)
0.25 >=0.20	RAPSN (3.0)	OR4A1P (2.6)	ETV5 (2.5)
0.25 >=0.20	ELMO3 (6.0)	ESRP2 (5.4)	C1orf172 (4.5)
0.25 >=0.20	ZNF350 (3.2)	ENSG00000247445 (3	ENSG00000247867 (2
0.25 >=0.20	ZNF350 (3.2)	ENSG00000247445 (3	ENSG00000247867 (2
0.25 >=0.20	ZNF350 (3.0)	ENSG00000247867 (2	ENSG00000247445 (2
0.25 >=0.20	SFN (6.7)	C1orf172 (4.0)	GRB7 (3.8)
0.25 >=0.20	PPY (2.9)	CTRL (2.9)	ENSG00000226645 (2
0.25 >=0.20	CYP26A1 (4.6)	SFN (3.3)	APOE (2.9)
0.25 >=0.20	SIK3 (2.7)	CSGALNACT1 (2.6)	NFATC3 (2.5)
0.25 >=0.20	FHOD1 (2.7)	TTBK2 (2.5)	RNF214 (2.4)
0.25 >=0.20	TECTB (4.3)	APOC1 (2.3)	SLC12A3 (2.2)
0.25 >=0.20	DEPDC1 (6.8)	SKA1 (5.9)	CENPT (4.6)
0.25 >=0.20	FNBP4 (3.8)	RBM6 (3.5)	EDC4 (3.5)
0.25 >=0.20	HERPUD1 (3.7)	SLC12A3 (3.1)	GPER (3.0)

0.25 >=0.20	CDK12 (4.9)	MED1 (4.9)	ARID1A (4.5)
0.25 >=0.20	RELB (4.0)	BCL3 (3.9)	SIK3 (3.2)
0.25 >=0.20	FADS1 (5.6)	FADS2 (5.4)	MVK (5.4)
0.25 >=0.20	RSPO3 (3.2)	ETV5 (3.1)	APOE (3.0)
0.25 >=0.20	CIAPIN1 (3.3)	ZFAND2A (2.8)	POLR2C (2.8)
0.25 >=0.20	SDF2L1 (4.3)	POLR2C (4.2)	PDIA3 (3.0)
0.25 >=0.20	COBLL1 (3.6)	CD40 (2.9)	GPER (2.4)
0.25 >=0.20	PDHB (4.1)	PDIA3 (3.3)	SDF2L1 (3.1)
0.25 >=0.20	BAZ1B (4.3)	ARID1A (4.1)	RBM5 (4.0)
0.25 >=0.20	CD40 (3.8)	LILRB2 (3.7)	NLRC5 (3.7)
0.25 >=0.20	NEUROD2 (2.7)	TTBK2 (2.4)	PYY (2.4)
0.25 >=0.20	SNX13 (3.0)	TMEM175 (2.7)	MIEN1 (2.6)
0.25 >=0.20	PDIA3 (9.8)	SDF2L1 (8.8)	HERPUD1 (4.2)
0.25 >=0.20	TECTB (6.0)	ENSG00000255507 (2	PTPRZ1 (2.7)
0.25 >=0.20	PDE3A (4.2)	PYY (2.9)	ENSG00000181123 (2
0.25 >=0.20	ARHGAP1 (3.4)	PGS1 (3.0)	TRADD (2.8)
0.25 >=0.20	MYBPC3 (7.5)	TCAP (4.3)	PGAP3 (3.8)
0.25 >=0.20	PTPRZ1 (2.8)	CPNE2 (2.5)	PYY (2.4)
0.25 >=0.20	ETV5 (5.1)	TRIB1 (3.2)	MAFF (2.8)
0.26 >=0.20	RLTPR (3.0)	ACP2 (2.6)	ABCA1 (2.5)
0.26 >=0.20	PSMC3 (2.8)	PAFAH1B2 (2.8)	CPNE2 (2.6)
0.26 >=0.20	CX3CL1 (3.9)	CD300LG (2.8)	ETV5 (2.8)
0.26 >=0.20	NLRC5 (11.2)	SDF2L1 (6.2)	PSMB10 (5.9)
0.26 >=0.20	NLRC5 (11.2)	SDF2L1 (6.2)	PSMB10 (5.9)
0.26 >=0.20	NLRC5 (11.2)	SDF2L1 (6.2)	PSMB10 (5.9)
0.26 >=0.20	ZNF259 (3.5)	C7orf50 (2.8)	TOMM40 (2.7)
0.26 >=0.20	AFF1 (4.0)	PTPRJ (2.5)	DR1 (2.4)
0.26 >=0.20	TRIB1 (6.4)	MAFF (6.0)	CITED2 (4.9)
0.26 >=0.20	DPEP3 (4.1)	FADS1 (4.0)	KCTD19 (3.4)
0.26 >=0.20	VEGFA (3.0)	MYBPC3 (2.9)	NPEPPS (2.8)
0.26 >=0.20	TRPS1 (4.4)	FZD9 (3.2)	PPP1R1B (3.1)
0.26 >=0.20	FNBP4 (5.1)	RBM6 (4.1)	RBM5 (3.4)
0.26 >=0.20	SETD8 (3.0)	MON1A (2.9)	UBE2L3 (2.5)
0.26 >=0.20	CPNE2 (2.7)	SPI1 (2.5)	SNX10 (2.4)
0.26 >=0.20	MVK (11.0)	FADS1 (10.4)	FADS2 (9.4)
0.26 >=0.20	MTMR3 (3.9)	AFF1 (3.4)	PGAP3 (2.6)
0.26 >=0.20	RSPO3 (3.2)	C11orf9 (3.0)	PYY (2.3)
0.26 >=0.20	PGAP3 (4.2)	MYBPC3 (4.2)	CDK12 (4.0)
0.26 >=0.20	TBL2 (3.8)	ATG13 (3.7)	HARBI1 (3.2)
0.26 >=0.20	MACF1 (3.3)	BCAM (3.2)	SFN (3.1)
0.26 >=0.20	MAP1A (4.0)	GNAO1 (3.9)	MPP2 (3.6)
0.26 >=0.20	PPY (4.8)	DOCK6 (3.3)	VEGFA (3.2)
0.26 >=0.20	HDAC5 (3.5)	ARID1A (3.3)	ZNF335 (2.8)
0.26 >=0.20	UVRAG (4.6)	AFF1 (3.1)	PCSK7 (3.0)
0.26 >=0.20	NUP160 (3.6)	MFAP1 (3.4)	BUD13 (3.3)
0.26 >=0.20	ZNF259 (4.2)	EIF3J (3.3)	SNORD58C (3.2)
0.26 >=0.20	OASL (5.3)	PSMB10 (3.4)	SNX10 (2.6)
0.26 >=0.20	PSMC3 (6.0)	MTCH2 (4.5)	ZFAND2A (4.4)
0.26 >=0.20	CMIP (3.8)	DGKG (2.7)	RLTPR (2.5)
0.26 >=0.20	TAGLN (5.3)	ARHGAP1 (3.3)	KANK2 (3.2)

0.26 >=0.20	CLPTM1 (4.0)	ACP2 (3.4)	GLUL (3.0)
0.26 >=0.20	RLTPR (3.4)	C12orf65 (3.3)	PIGV (3.2)
0.26 >=0.20	BMP8A (3.4)	CD300LG (3.1)	AMBRA1 (2.5)
0.26 >=0.20	MACF1 (3.3)	SIK3 (3.2)	AFF1 (2.8)
0.26 >=0.20	EPB42 (3.2)	BCL3 (2.8)	DPEP2 (2.5)
0.26 >=0.20	LRP4 (4.0)	CITED2 (3.4)	GPER (2.8)
0.26 >=0.20	SDF2L1 (3.3)	C7orf50 (2.7)	RAB11B (2.7)
0.26 >=0.20	CELF1 (2.9)	ARHGAP1 (2.9)	PAFAH1B2 (2.7)
0.26 >=0.20	UVRAG (3.1)	MTMR3 (2.5)	LRP4 (2.4)
0.26 >=0.20	RBM5 (3.1)	NPEPPS (3.1)	KCTD10 (3.0)
0.26 >=0.20	PTPRZ1 (2.9)	LIPC (2.5)	CSGALNACT1 (2.2)
0.26 >=0.20	NLRC5 (4.6)	PSMB10 (4.5)	RANBP10 (3.6)
0.26 >=0.20	FHOD1 (3.4)	MON1A (3.0)	CBFB (2.9)
0.26 >=0.20	ABCA8 (4.0)	TAGLN (3.2)	SLC12A4 (2.6)
0.26 >=0.20	ARID1A (4.2)	MTMR3 (4.0)	ENSG00000179523 (3
0.26 >=0.20	GALNT2 (3.6)	SLC39A13 (2.6)	GPR146 (2.5)
0.26 >=0.20	TBKBP1 (2.8)	CPNE2 (2.8)	FZD9 (2.7)
0.26 >=0.20	C1orf172 (6.4)	ELMO3 (5.5)	ESRP2 (5.1)
0.26 >=0.20	TGM5 (3.3)	DDB2 (2.9)	PTPRZ1 (2.8)
0.26 >=0.20	TGM7 (2.9)	ENSG00000247445 (2	DGKG (2.4)
0.26 >=0.20	MYBPC3 (4.8)	TCAP (3.3)	PACSIN3 (2.8)
0.26 >=0.20	TNKS (4.7)	KLHL8 (3.2)	ENSG00000247867 (3
0.26 >=0.20	EIF3J (3.8)	MTCH2 (3.2)	ACAA2 (3.1)
0.26 >=0.20	CBFB (3.9)	NFATC3 (3.7)	PGAP3 (3.1)
0.26 >=0.20	INTS10 (3.2)	LSM12 (3.1)	AMFR (2.6)
0.26 >=0.20	ST3GAL4 (3.0)	PTPRJ (2.8)	ENSG00000255507 (2
0.26 >=0.20	FNBP4 (4.8)	CXXC1 (3.3)	RBM6 (3.3)
0.26 >=0.20	PSMC3 (5.2)	ZFAND2A (4.5)	MTCH2 (4.3)
0.26 >=0.20	RELB (4.9)	PSMB10 (3.8)	CD40 (3.4)
0.26 >=0.20	SPI1 (3.9)	CPNE2 (2.8)	RELB (2.5)
0.26 >=0.20	SFN (5.7)	TGM5 (5.3)	ESRP2 (3.1)
0.26 >=0.20	SCARB1 (3.2)	C11orf9 (3.1)	LIPG (2.8)
0.26 >=0.20	RELB (6.2)	CD40 (4.1)	NPEPPS (3.4)
0.26 >=0.20	ZNF350 (4.6)	ZNF615 (3.2)	ZNF614 (3.1)
0.26 >=0.20	CD40 (5.7)	CCL22 (5.5)	RELB (5.0)
0.26 >=0.20	SMPD3 (2.9)	LRP4 (2.7)	SOST (2.5)
0.26 >=0.20	ARFGAP2 (3.0)	CIAPIN1 (2.7)	PSMC3 (2.7)
0.27 >=0.20	CLPTM1 (3.4)	TMEM175 (2.7)	C18orf32 (2.6)
0.27 >=0.20	GNAO1 (2.4)	NR1H3 (2.2)	CETP (2.0)
0.27 >=0.20	SKA1 (3.9)	DEPDC1 (3.5)	FEN1 (3.0)
0.27 >=0.20	PPY (5.8)	PYY (4.7)	ABCB9 (3.9)
0.27 >=0.20	ST3GAL4 (2.4)	DNAH10 (2.3)	ENSG00000256746 (2
0.27 >=0.20	PNMT (5.6)	SCARB1 (4.3)	ENSG00000247445 (3
0.27 >=0.20	SLC22A1 (3.1)	RLTPR (3.1)	ZDHHC18 (2.8)
0.27 >=0.20	HCAR1 (3.3)	UBE3B (3.2)	C12orf43 (3.2)
0.27 >=0.20	CETP (5.8)	CCL17 (5.5)	CCL22 (5.4)
0.27 >=0.20	ST3GAL4 (3.2)	CSGALNACT1 (3.1)	SLC12A4 (3.0)
0.27 >=0.20	SCARB1 (4.3)	TRIB1 (3.4)	NR0B2 (3.3)
0.27 >=0.20	MYBPC3 (8.4)	TCAP (6.3)	FRMD5 (5.0)
0.27 >=0.20	JMJD1C (4.1)	AFF1 (2.9)	MT1X (2.5)

0.27 >=0.20	NPEPPS (2.9)	TGM5 (2.7)	GLUL (2.6)
0.27 >=0.20	NEUROD2 (5.9)	RSPO3 (3.7)	PTPRZ1 (3.3)
0.27 >=0.20	PSMC3 (6.1)	ZFAND2A (4.1)	MTCH2 (3.7)
0.27 >=0.20	OASL (3.8)	PTPRJ (3.0)	LILRB2 (2.9)
0.27 >=0.20	C16orf48 (3.3)	C11orf49 (2.9)	SMPD3 (2.8)
0.27 >=0.20	WDR76 (3.1)	CXXC1 (3.1)	FEN1 (3.1)
0.27 >=0.20	EDC4 (3.6)	FNBP4 (3.5)	RBM6 (3.4)
0.27 >=0.20	PCIF1 (4.2)	RBM6 (3.5)	ZNF408 (3.4)
0.27 >=0.20	WDR76 (5.5)	SKA1 (4.9)	FEN1 (4.6)
0.27 >=0.20	CYP26A1 (3.7)	ETV5 (3.5)	PPP1R1B (3.1)
0.27 >=0.20	FNBP4 (5.3)	RBM6 (4.1)	RBM5 (3.4)
0.27 >=0.20	JMJD1C (2.7)	BCL3 (2.6)	MACF1 (2.1)
0.27 >=0.20	NLRC5 (3.9)	PXK (3.1)	MADD (2.9)
0.27 >=0.20	CYP26A1 (3.4)	TP53BP1 (2.6)	ARID1A (2.6)
0.27 >=0.20	FNBP4 (4.4)	RBM6 (3.7)	NUDT21 (3.4)
0.27 >=0.20	SLC22A1 (3.5)	APOA5 (3.4)	PLG (3.4)
0.27 >=0.20	ZNF613 (2.6)	C17orf57 (2.6)	C18orf32 (2.4)
0.27 >=0.20	TCAP (4.8)	RAPSN (4.5)	TAGLN (3.5)
0.27 >=0.20	CD36 (5.7)	SOST (5.4)	LPL (4.6)
0.27 >=0.20	CYP26A1 (4.0)	SOST (3.1)	ETV5 (3.0)
0.27 >=0.20	ENSG00000236267 (3	LPA (3.6)	ENSG00000255507 (3
0.27 >=0.20	MIEN1 (3.4)	DUSP3 (3.3)	HSF4 (2.9)
0.27 >=0.20	OGFOD1 (3.9)	ELMO3 (2.7)	TOMM40 (2.4)
0.27 >=0.20	TRPS1 (4.8)	IGF2R (2.4)	ERBB2 (2.2)
0.27 >=0.20	PYY (4.3)	ERBB2 (3.6)	APOA4 (3.2)
0.27 >=0.20	CCL17 (3.2)	LIPG (2.4)	PVRL2 (2.3)
0.27 >=0.20	RELB (5.2)	CCL22 (4.9)	CCL17 (4.2)
0.27 >=0.20	TCAP (4.0)	UBE3B (3.7)	CLPTM1 (3.1)
0.27 >=0.20	TCAP (4.0)	UBE3B (3.7)	CLPTM1 (3.1)
0.27 >=0.20	ZNF335 (3.5)	FNBP4 (3.5)	MED1 (3.4)
0.27 >=0.20	ABCB9 (2.9)	NEUROD2 (2.9)	CPS1 (2.7)
0.27 >=0.20	NUP160 (3.5)	NUP93 (3.5)	EDC4 (3.3)
0.27 >=0.20	CD40 (4.9)	SPI1 (4.7)	UVRAG (3.5)
0.27 >=0.20	DGKG (3.5)	NEUROD2 (3.3)	MPP2 (3.1)
0.27 >=0.20	MACF1 (4.2)	MMAB (3.3)	FADS1 (3.2)
0.27 >=0.20	MTMR3 (3.2)	UBE3B (2.8)	SPG11 (2.8)
0.27 >=0.20	OASL (3.1)	SNX10 (3.0)	LILRB2 (2.3)
0.27 >=0.20	RAPSN (6.7)	MAFF (3.3)	ANGPTL4 (2.8)
0.27 >=0.20	RSPO3 (3.7)	SLC9A5 (3.4)	STRC (3.2)
0.27 >=0.20	PPP1R1B (3.1)	CD300LG (2.7)	SMPD3 (2.7)
0.27 >=0.20	CES4A (4.3)	ZNF615 (3.4)	ACAA2 (3.1)
0.27 >=0.20	COQ9 (4.6)	PDHB (4.2)	MTCH2 (3.9)
0.27 >=0.20	PTPRZ1 (4.3)	CYP26A1 (4.1)	NEUROD2 (3.7)
0.27 >=0.20	TTC39B (2.9)	LILRB2 (2.8)	LILRA3 (2.7)
0.27 >=0.20	RBPJ (3.5)	SNX10 (3.4)	PTPRJ (3.2)
0.27 >=0.20	UVRAG (2.7)	SIK3 (2.5)	MTMR3 (2.5)
0.27 >=0.20	NAGS (3.8)	LIPC (3.7)	AGBL2 (3.3)
0.27 >=0.20	SNORD58C (4.4)	PDHB (4.4)	ACAA2 (4.3)
0.27 >=0.20	FADS1 (6.6)	MVK (6.5)	MMAB (5.9)
0.27 >=0.20	NUP160 (3.4)	EDC4 (3.1)	DDX28 (2.9)

0.27 >=0.20	LSM12 (2.8)	ZNF664 (2.6)	ARID1A (2.5)
0.27 >=0.20	APOA4 (5.0)	PYY (4.0)	PPY (3.9)
0.27 >=0.20	MADD (4.5)	TNKS (3.4)	E2F4 (2.8)
0.27 >=0.20	C16orf70 (4.2)	MIEN1 (3.4)	C18orf32 (3.3)
0.27 >=0.20	MTMR3 (3.5)	PIGV (2.8)	BAZ1B (2.8)
0.28 >=0.20	UVRAG (2.7)	CSGALNACT1 (2.5)	SIK3 (2.4)
0.28 >=0.20	PCIF1 (3.9)	KBTBD4 (3.8)	ZNF408 (3.7)
0.28 >=0.20	HNF1A (3.6)	PXK (3.6)	ABHD6 (3.5)
0.28 >=0.20	CLPTM1 (4.2)	GPAM (2.9)	AMBRA1 (2.9)
0.28 >=0.20	DR1 (3.3)	UBE2L3 (3.3)	C18orf32 (2.5)
0.28 >=0.20	C11orf9 (2.8)	MYO5B (2.7)	ZNF664 (2.6)
0.28 >=0.20	C1orf172 (6.2)	ELMO3 (5.2)	ESRP2 (5.1)
0.28 >=0.20	NLRC5 (8.0)	PSMB10 (3.9)	MT1G (3.8)
0.28 >=0.20	UVRAG (3.7)	PCSK7 (3.6)	MTMR3 (3.2)
0.28 >=0.20	BCAM (3.5)	GRB7 (3.4)	ZNF615 (2.8)
0.28 >=0.20	UVRAG (2.7)	MTMR3 (2.5)	SIK3 (2.5)
0.28 >=0.20	MED1 (4.7)	CDK12 (4.1)	PIGV (3.4)
0.28 >=0.20	FNBP4 (4.4)	NUDT21 (3.5)	RBM6 (3.2)
0.28 >=0.20	E2F4 (3.9)	THAP11 (3.4)	EDC4 (3.3)
0.28 >=0.20	EIF3J (4.1)	CTDSPL2 (3.6)	POLR2C (3.5)
0.28 >=0.20	NOL3 (2.8)	MPP2 (2.6)	MYBPC3 (2.5)
0.28 >=0.20	ZNF613 (3.1)	HCAR1 (2.8)	MT1X (2.8)
0.28 >=0.20	NDUFS3 (2.9)	EPB42 (2.8)	SEC14L4 (2.7)
0.28 >=0.20	RELB (3.2)	SLC12A4 (2.8)	NPEPPS (2.4)
0.28 >=0.20	NRBF2 (2.4)	RELB (2.4)	TTBK2 (2.4)
0.28 >=0.20	ZNF613 (3.2)	TGM7 (3.0)	COX19 (2.9)
0.28 >=0.20	PSMC3 (6.5)	PSMB10 (5.2)	MTCH2 (4.4)
0.28 >=0.20	PSMC3 (6.5)	PSMB10 (5.2)	MTCH2 (4.4)
0.28 >=0.20	PSMC3 (6.5)	PSMB10 (5.2)	MTCH2 (4.4)
0.28 >=0.20	CD300LG (3.1)	GPAM (3.0)	KLF14 (2.9)
0.28 >=0.20	KANK2 (3.3)	MBD1 (3.2)	KIAA0754 (3.2)
0.28 >=0.20	FPR3 (3.3)	PTPRJ (2.9)	CD300LG (2.9)
0.28 >=0.20	FAM192A (3.7)	CIAPIN1 (3.4)	B3GNT9 (3.3)
0.28 >=0.20	CYP26A1 (4.6)	KCTD6 (3.0)	RSPO3 (3.0)
0.28 >=0.20	MST1R (3.6)	DOK4 (3.3)	CELSR2 (2.8)
0.28 >=0.20	TP53BP1 (3.7)	ZNF408 (3.6)	UBR1 (3.0)
0.28 >=0.20	SLC12A3 (4.7)	NR0B2 (3.0)	APOA1 (2.8)
0.28 >=0.20	CYP26A1 (4.4)	ETV5 (3.2)	SOST (3.1)
0.28 >=0.20	FADS1 (3.7)	MMAB (3.5)	TNKS (3.3)
0.28 >=0.20	LRP4 (4.0)	SOST (4.0)	TRPS1 (2.8)
0.28 >=0.20	PSMC3 (5.6)	ZFAND2A (3.8)	MTCH2 (3.5)
0.28 >=0.20	ENSG00000247445 (3	DGKG (2.8)	ACAA2 (2.6)
0.28 >=0.20	RAPSN (4.8)	LIPC (4.0)	APOA1 (3.2)
0.28 >=0.20	CMIP (3.0)	PITPNM2 (2.7)	ARHGAP1 (2.6)
0.28 >=0.20	MT1M (3.1)	DGKG (2.7)	MPP3 (2.6)
0.28 >=0.20	UVRAG (2.5)	MTF2 (2.4)	CASC4 (2.2)
0.28 >=0.20	ETV5 (4.2)	TRIB1 (3.2)	DR1 (3.1)
0.28 >=0.20	MYBPC3 (4.5)	TCAP (3.6)	RAPSN (2.6)
0.28 >=0.20	SLC12A3 (5.6)	ABHD6 (3.4)	HNF4A (2.7)
0.28 >=0.20	CYP26A1 (3.8)	C11orf9 (3.2)	PVRL2 (3.1)

0.28 >=0.20	ACAA2 (2.4)	COX19 (2.3)	THAP11 (2.2)
0.28 >=0.20	CTRL (5.2)	PTPRZ1 (4.5)	CYP26A1 (3.8)
0.28 >=0.20	MPP2 (3.6)	GNAO1 (2.6)	TRNP1 (2.5)
0.28 >=0.20	PSMC3 (6.0)	MTCH2 (4.8)	ZFAND2A (4.6)
0.28 >=0.20	CD40 (5.4)	CCL22 (5.0)	SPI1 (4.6)
0.28 >=0.20	ABHD6 (3.0)	TRPS1 (2.6)	RAB11B (2.6)
0.28 >=0.20	CXXC1 (3.0)	C16orf86 (2.9)	RANBP10 (2.5)
0.28 >=0.20	ACD (3.4)	POLR2C (3.3)	FAM192A (3.1)
0.28 >=0.20	EXOC3L1 (4.2)	DOCK6 (4.0)	ANGPTL4 (3.7)
0.28 >=0.20	PTPMT1 (3.0)	PPP1R1B (2.5)	CITED2 (2.4)
0.28 >=0.20	FNBP4 (3.1)	NCOA5 (3.0)	NUP93 (2.9)
0.28 >=0.20	FHOD1 (2.8)	MADD (2.6)	UVRAG (2.5)
0.28 >=0.20	FHOD1 (2.8)	MADD (2.6)	UVRAG (2.5)
0.28 >=0.20	APOC1 (3.9)	TAGLN (3.7)	PLTP (3.3)
0.28 >=0.20	ARHGAP1 (3.5)	CYP2W1 (3.1)	ESRP2 (2.9)
0.28 >=0.20	PDIA3 (4.1)	TMEM208 (3.8)	TBL2 (3.7)
0.28 >=0.20	ARFGAP2 (3.4)	C16orf70 (3.3)	ATG13 (3.2)
0.28 >=0.20	TECTB (4.5)	CES4A (2.9)	HSF4 (2.8)
0.28 >=0.20	PPY (3.4)	PYY (3.1)	ABCB9 (2.9)
0.28 >=0.20	PPY (3.4)	PYY (3.1)	ABCB9 (2.9)
0.28 >=0.20	TAGLN (5.8)	ARHGAP1 (3.8)	SLC12A4 (3.2)
0.28 >=0.20	CCNDBP1 (2.9)	CITED2 (2.9)	CYP2W1 (2.4)
0.28 >=0.20	ETV5 (3.3)	TUBGCP4 (3.1)	PPIP5K1 (2.7)
0.28 >=0.20	PACSIN3 (3.4)	C11orf9 (3.4)	UBE3B (3.0)
0.28 >=0.20	CCNDBP1 (3.4)	TMEM208 (3.4)	C18orf32 (2.9)
0.28 >=0.20	NCOA5 (2.7)	KPNB1 (2.7)	FNBP4 (2.5)
0.28 >=0.20	FZD9 (2.8)	RSPO3 (2.7)	ABHD6 (2.3)
0.28 >=0.20	SLC39A13 (4.6)	ATG13 (4.3)	B3GNT9 (4.2)
0.28 >=0.20	FNBP4 (4.5)	NUDT21 (3.7)	EDC4 (3.3)
0.28 >=0.20	ZFAND2A (3.1)	PGS1 (2.9)	ARHGAP1 (2.7)
0.28 >=0.20	NUP160 (3.6)	MFAP1 (3.4)	EDC4 (3.2)
0.28 >=0.20	BCAM (4.8)	TAGLN (3.9)	SFN (3.0)
0.28 >=0.20	RLTPR (2.9)	LILRB2 (2.8)	ZDHHC18 (2.8)
0.28 >=0.20	BCL7B (4.6)	PCSK7 (3.5)	BUD13 (3.3)
0.28 >=0.20	TAGLN (4.2)	KANK2 (2.8)	HDAC5 (2.7)
0.28 >=0.20	KLHL8 (2.9)	BBS2 (2.8)	NR0B2 (2.6)
0.28 >=0.20	PLA2G6 (3.1)	TBKBP1 (2.9)	ZNF335 (2.8)
0.28 >=0.20	SLC12A4 (2.9)	ENSG00000256746 (2	RSPO3 (2.4)
0.28 >=0.20	SCARB1 (3.5)	ENSG00000181296 (3	ABCA8 (2.8)
0.28 >=0.20	CENPT (4.8)	DEPDC1 (4.5)	MPHOSPH9 (4.0)
0.28 >=0.20	CD36 (2.6)	ZNF664 (2.1)	OR4A1P (2.1)
0.28 >=0.20	SLC12A3 (4.5)	HNF4A (3.8)	RSPRY1 (3.5)
0.28 >=0.20	OR4A21P (2.7)	ZDHHC18 (2.6)	LPA (2.6)
0.28 >=0.20	FNBP4 (3.8)	EDC4 (3.6)	CXXC1 (3.5)
0.28 >=0.20	FNBP4 (5.3)	RBM6 (3.9)	RBM5 (3.6)
0.28 >=0.20	PDHB (3.2)	ARFGAP2 (3.0)	PPIP5K1 (2.6)
0.28 >=0.20	FNBP4 (4.0)	RBM6 (3.8)	PCIF1 (3.4)
0.29 >=0.20	HERPUD1 (4.5)	DYM (4.1)	ACD (3.1)
0.29 >=0.20	FNBP4 (4.0)	RBM6 (3.4)	RBM5 (3.4)
0.29 >=0.20	NRBF2 (2.4)	TTBK2 (2.4)	RELB (2.3)

0.29 >=0.20	PDE3A (3.5)	LRP4 (2.9)	PTPRZ1 (2.3)
0.29 >=0.20	RSPRY1 (3.1)	HDAC5 (2.6)	SPI1 (2.6)
0.29 >=0.20	SLC22A1 (8.7)	LPA (6.2)	APOC4 (4.4)
0.29 >=0.20	RELB (4.4)	ZDHHC18 (3.7)	BCL3 (3.5)
0.29 >=0.20	CCDC116 (3.2)	MMAB (3.1)	C12orf65 (3.0)
0.29 >=0.20	GPN2 (4.3)	CDK12 (4.0)	PGAP3 (3.7)
0.29 >=0.20	MYBPC3 (7.3)	TCAP (7.2)	PACSIN3 (4.1)
0.29 >=0.20	PCIF1 (3.5)	INTS10 (3.5)	MFAP1 (3.0)
0.29 >=0.20	LILRA3 (4.1)	SDF2L1 (4.0)	NLRC5 (3.8)
0.29 >=0.20	KLHL8 (3.9)	RSPRY1 (2.8)	CELF1 (2.8)
0.29 >=0.20	PSMC3 (5.5)	MTCH2 (4.8)	ZFAND2A (4.1)
0.29 >=0.20	PXK (4.5)	UVRAG (3.7)	AFF1 (3.3)
0.29 >=0.20	CYP26A1 (4.5)	PTPRZ1 (4.1)	LRP4 (3.6)
0.29 >=0.20	AFF1 (2.9)	TTBK2 (2.3)	DR1 (2.2)
0.29 >=0.20	NUDT21 (3.9)	NUP160 (3.5)	CTDSPL2 (3.4)
0.29 >=0.20	TRPS1 (2.7)	PTPRZ1 (2.6)	LRP4 (2.1)
0.29 >=0.20	ACD (3.3)	LCMT2 (3.1)	PRMT7 (2.7)
0.29 >=0.20	MED1 (5.8)	CDK12 (4.8)	RNF214 (4.2)
0.29 >=0.20	CCL22 (4.7)	CD40 (3.5)	ZDHHC18 (3.3)
0.29 >=0.20	LILRA3 (3.2)	PLG (3.0)	LIPC (2.5)
0.29 >=0.20	AGBL2 (2.7)	OASL (2.6)	C17orf57 (2.5)
0.29 >=0.20	FNBP4 (4.6)	EDC4 (4.1)	RBM5 (3.7)
0.29 >=0.20	PDIA3 (3.6)	ZFAND2A (3.3)	PSMC3 (3.1)
0.29 >=0.20	CLPTM1 (2.7)	KPNB1 (2.4)	CELF1 (2.3)
0.29 >=0.20	MACF1 (3.2)	SIK3 (3.1)	ERBB2 (2.9)
0.29 >=0.20	JMJD1C (3.3)	MST1R (3.1)	CD300LG (3.0)
0.29 >=0.20	CD40 (4.0)	FPR3 (3.8)	CCL22 (3.6)
0.29 >=0.20	NLRC5 (7.0)	TBL2 (4.2)	HERPUD1 (4.1)
0.29 >=0.20	OASL (4.1)	NLRC5 (3.8)	PSMB10 (3.1)
0.29 >=0.20	COQ9 (4.2)	MTCH2 (4.2)	NDUFS3 (4.1)
0.29 >=0.20	PDHB (2.9)	NDUFS3 (2.9)	PSMC3 (2.8)
0.29 >=0.20	SDF2L1 (3.4)	C7orf50 (2.9)	TOMM40 (2.8)
0.29 >=0.20	SLC12A3 (6.9)	APOA4 (4.4)	HNF4A (3.0)
0.29 >=0.20	DDB2 (2.9)	KLHL8 (2.7)	REEP3 (2.5)
0.29 >=0.20	AMBRA1 (3.7)	ARID1A (3.3)	MACF1 (3.3)
0.29 >=0.20	PSMC3 (3.6)	TOMM40 (3.4)	TMEM208 (2.9)
0.29 >=0.20	KLF14 (2.8)	COBLL1 (2.6)	MYO1H (2.0)
0.29 >=0.20	CELSR2 (3.8)	PVRL2 (3.3)	BCAM (2.5)
0.29 >=0.20	MBD1 (3.3)	UBE3B (2.9)	SBNO1 (2.7)
0.29 >=0.20	ABCA8 (3.8)	CX3CL1 (2.7)	MT1M (2.4)
0.29 >=0.20	AGBL2 (2.6)	OASL (2.6)	C17orf57 (2.2)
0.29 >=0.20	AFF1 (2.4)	DEPDC1 (2.1)	ZFAND2A (2.1)
0.29 >=0.20	MYBPC3 (7.1)	CYP26A1 (4.0)	PDE3A (3.7)
0.29 >=0.20	PTPRZ1 (3.9)	JMJD1C (3.7)	HDAC5 (3.1)
0.29 >=0.20	NAGS (4.1)	OR5J2 (3.8)	MT1M (2.9)
0.29 >=0.20	ETV5 (3.5)	FADS2 (2.8)	CX3CL1 (2.7)
0.29 >=0.20	PGAP3 (3.9)	TRPS1 (3.2)	CDK12 (3.1)
0.29 >=0.20	DGKG (3.8)	MYO5B (3.1)	CX3CL1 (2.7)
0.29 >=0.20	MED1 (3.6)	PGAP3 (3.3)	ATG13 (3.2)
0.29 >=0.20	ENSG00000247445 (2	SLC12A3 (2.4)	MIEN1 (2.3)

0.29	>=0.20	PGAP3 (3.4)	CELSR2 (3.3)	GRB7 (3.2)
0.29	>=0.20	ENSG00000247445 (3	CTRL (2.9)	AFF1 (2.5)
0.29	>=0.20	CYP2W1 (3.2)	CSGALNACT1 (3.0)	ENSG00000181123 (2
0.29	>=0.20	TRIB1 (2.4)	FADS2 (2.1)	SPRYD5 (2.1)
0.29	>=0.20	FNBP4 (4.0)	RBM6 (3.6)	CXXC1 (3.5)
0.29	>=0.20	CCDC116 (3.0)	RNF214 (2.9)	ZNF335 (2.6)
0.29	>=0.20	PPY (5.6)	PYY (4.7)	ABCB9 (3.3)
0.29	>=0.20	ZNF259 (3.3)	INTS10 (3.2)	MED1 (3.2)
0.29	>=0.20	CD40 (5.1)	RELB (5.0)	BCL3 (3.4)
0.29	>=0.20	PLA2G15 (4.8)	HNF1A (3.7)	ABHD6 (2.7)
0.29	>=0.20	ENSG00000247445 (3	C12orf65 (2.7)	PDE3A (2.7)
0.3	>=0.20	CX3CL1 (3.5)	CD300LG (3.2)	MYO1H (3.0)
0.3	>=0.20	C1orf172 (5.0)	GRB7 (3.7)	PVRL2 (3.4)
0.3	>=0.20	RLTPR (3.0)	ABCA1 (3.0)	YDJC (2.3)
0.3	>=0.20	CXXC1 (3.9)	FNBP4 (3.6)	BUD13 (3.3)
0.3	>=0.20	NUP160 (3.7)	CCDC18 (3.7)	DEPDC1 (3.6)
0.3	>=0.20	CXXC1 (3.6)	FEN1 (3.6)	SKA1 (2.9)
0.3	>=0.20	SLC12A3 (5.6)	HERPUD1 (3.4)	ABHD6 (2.9)
0.3	>=0.20	ABCA8 (4.2)	C11orf9 (3.3)	APOE (3.0)
0.3	>=0.20	FHOD1 (3.3)	EPB42 (3.2)	NFATC3 (2.6)
0.3	>=0.20	SEC14L4 (3.6)	PLG (3.4)	APOC4 (3.3)
0.3	>=0.20	FHOD1 (2.8)	RNF214 (2.7)	EYA3 (2.5)
0.3	>=0.20	DEPDC1 (4.3)	SKA1 (3.7)	CCDC116 (2.6)
0.3	>=0.20	WDR76 (5.3)	FEN1 (4.1)	ACD (3.2)
0.3	>=0.20	DGKG (3.9)	MYO5B (3.6)	CX3CL1 (3.2)
0.3	>=0.20	C1orf172 (6.0)	ELMO3 (5.3)	ESRP2 (4.8)
0.3	>=0.20	TTC39B (3.2)	DOCK6 (2.9)	KLHL8 (2.7)
0.3	>=0.20	TTBK2 (2.8)	FHOD1 (2.6)	TRADD (2.4)
0.3	>=0.20	LSM12 (2.8)	SBNO1 (2.5)	SIDT2 (2.4)
0.3	>=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.3	>=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.3	>=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.3	>=0.20	MTCH2 (4.2)	PSMC3 (3.6)	CIAPIN1 (3.2)
0.3	>=0.20	AMBRA1 (4.0)	LCMT2 (2.9)	ZNF615 (2.9)
0.3	>=0.20	C1orf172 (3.8)	ELMO3 (3.6)	PGS1 (3.4)
0.3	>=0.20	CMIP (2.5)	GPN2 (2.4)	LSM12 (2.2)
0.3	>=0.20	CLPTM1 (3.4)	MADD (2.7)	C18orf32 (2.7)
0.3	>=0.20	CXXC1 (3.8)	NCOA5 (3.6)	RBM6 (3.5)
0.3	>=0.20	PLTP (3.8)	PLA2G15 (3.5)	FPR3 (3.3)
0.3	>=0.20	HERPUD1 (3.2)	APOA4 (2.6)	GNAO1 (2.3)
0.3	>=0.20	ENSG00000247445 (2	KLF14 (2.1)	MYO1H (1.9)
0.3	>=0.20	UBE2L3 (2.9)	NEUROD2 (2.5)	DUSP3 (2.5)
0.3	>=0.20	OR5J2 (3.3)	MT1H (2.9)	C17orf57 (2.8)
0.3	>=0.20	PSMC3 (4.7)	NUP93 (4.0)	MTCH2 (3.8)
0.3	>=0.20	GALNT2 (3.4)	GPR146 (3.1)	SLC39A13 (2.5)
0.3	>=0.20	NLRC5 (4.5)	ARHGAP1 (4.1)	PLA2G15 (3.6)
0.3	>=0.20	ZNF259 (2.5)	NCOA5 (2.4)	TOMM40 (2.1)
0.3	>=0.20	FRMD5 (3.5)	RBM5 (3.4)	MYBPC3 (3.4)
0.3	>=0.20	ZNF664 (3.7)	GRB7 (3.0)	BCAM (2.7)
0.3	>=0.20	KPNB1 (3.3)	RBM5 (3.3)	SNORD58C (3.2)

0.3	>=0.20	MACF1 (3.0)	JMJD1C (2.2)	TRPS1 (2.1)
0.3	>=0.20	BCL3 (3.4)	ENSG00000247445 (3	SFN (3.1)
0.3	>=0.20	ZFAND2A (3.5)	XKR8 (3.3)	NR0B2 (2.5)
0.3	>=0.20	KPNB1 (3.0)	MTCH2 (3.0)	ACAA2 (2.9)
0.3	>=0.20	CTRL (3.0)	TBL2 (2.5)	UBR1 (2.3)
0.3	>=0.20	MAFF (3.4)	REEP3 (3.2)	CBFB (3.2)
0.3	>=0.20	SDF2L1 (10.7)	PDIA3 (8.0)	HERPUD1 (4.5)
0.3	>=0.20	NLRC5 (7.9)	OASL (3.7)	PSMB10 (3.6)
0.3	>=0.20	AMFR (3.2)	SLC12A3 (2.8)	RSPRY1 (2.8)
0.3	>=0.20	FNBP4 (3.8)	EDC4 (3.7)	NUDT21 (3.6)
0.3	>=0.20	PSMC3 (6.7)	PSMB10 (4.6)	MTCH2 (4.4)
0.3	>=0.20	DDB2 (5.1)	C17orf57 (2.9)	TRIB1 (2.4)
0.3	>=0.20	RBM5 (5.2)	FNBP4 (5.2)	RBM6 (4.3)
0.3	>=0.20	ZNF259 (4.0)	TOMM40 (3.3)	EIF3J (3.0)
0.3	>=0.20	MACF1 (3.4)	SIK3 (3.0)	ZNF335 (3.0)
0.3	>=0.20	CYP26A1 (3.7)	NEUROD2 (3.6)	TRPS1 (2.2)
0.3	>=0.20	FADS2 (2.6)	ZNF350 (2.6)	TNKS (2.3)
0.3	>=0.20	ESRP2 (3.7)	MACF1 (3.2)	ZNF335 (2.9)
0.3	>=0.20	GPN2 (4.2)	NRBF2 (4.0)	CDK12 (3.8)
0.3	>=0.20	BCL3 (4.8)	CD40 (4.6)	RELB (4.4)
0.3	>=0.20	TAGLN (4.6)	PVRL2 (3.8)	MACF1 (3.4)
0.3	>=0.20	TNKS (4.0)	INTS10 (3.9)	MFAP1 (3.3)
0.3	>=0.20	EPB42 (5.0)	ENSG00000247445 (3	DDB2 (2.8)
0.3	>=0.20	DEPDC1 (4.0)	SKA1 (3.4)	CKAP5 (3.2)
0.3	>=0.20	LILRA3 (4.0)	LILRB2 (3.2)	BCL3 (2.8)
0.3	>=0.20	DPEP3 (5.2)	KCTD19 (3.3)	C17orf105 (2.9)
0.3	>=0.20	THAP11 (3.9)	MFAP1 (3.4)	DR1 (3.3)
0.3	>=0.20	KPNB1 (2.9)	TOMM40 (2.7)	C12orf43 (2.5)
0.3	>=0.20	TRIB1 (3.7)	CITED2 (3.1)	RBPJ (2.8)
0.3	>=0.20	SLC12A3 (7.5)	HNF4A (4.1)	PLG (4.1)
0.3	>=0.20	MT1F (6.9)	MT1G (6.6)	MT1H (5.9)
0.31	>=0.20	RBM6 (4.4)	MBD1 (3.8)	SNORD58C (3.3)
0.31	>=0.20	LILRB2 (3.2)	LILRA3 (2.5)	CD40 (2.4)
0.31	>=0.20	AMFR (3.1)	KCTD10 (3.0)	LSM12 (3.0)
0.31	>=0.20	CDK12 (4.6)	PGAP3 (4.2)	ZNF335 (3.3)
0.31	>=0.20	MIEN1 (3.1)	C12orf43 (3.0)	ATG13 (2.9)
0.31	>=0.20	SLC12A3 (4.2)	PDE3A (2.5)	BCAM (2.3)
0.31	>=0.20	TRPS1 (2.8)	CYP26A1 (2.7)	AFF1 (2.5)
0.31	>=0.20	NUP160 (4.5)	NUP93 (3.3)	NUDT21 (3.2)
0.31	>=0.20	RAB11B (3.7)	SMPD3 (2.4)	CMIP (2.3)
0.31	>=0.20	PVRL2 (3.3)	VEGFA (3.2)	CCL17 (2.5)
0.31	>=0.20	C1orf172 (5.3)	ESRP2 (4.6)	ELMO3 (3.8)
0.31	>=0.20	BACE1 (2.9)	TGM5 (2.7)	MAP1A (2.4)
0.31	>=0.20	EDC4 (3.3)	NUP160 (3.3)	UBR1 (3.1)
0.31	>=0.20	RSPO3 (4.1)	PYY (3.0)	PXK (2.2)
0.31	>=0.20	FAM192A (3.4)	E2F4 (3.3)	SLC7A6OS (3.2)
0.31	>=0.20	TAGLN (5.2)	MACF1 (4.1)	SNORD58C (4.0)
0.31	>=0.20	ZNF614 (3.3)	ARID1A (2.6)	TBKBP1 (2.5)
0.31	>=0.20	C18orf32 (4.5)	SNX13 (2.9)	CLPTM1 (2.7)
0.31	>=0.20	NUP160 (4.1)	EDC4 (3.4)	CXXC1 (3.2)

0.31 >=0.20	PDIA3 (6.2)	SDF2L1 (6.2)	TMED5 (3.9)
0.31 >=0.20	RSPRY1 (4.6)	CDK12 (4.2)	GPN2 (3.9)
0.31 >=0.20	LIPG (4.2)	TGM7 (2.7)	TGM5 (2.6)
0.31 >=0.20	AMBRA1 (3.8)	ARID1A (3.3)	MACF1 (3.2)
0.31 >=0.20	SNX13 (4.3)	PXK (3.5)	KCTD10 (3.0)
0.31 >=0.20	RELB (3.9)	BCL3 (3.7)	PTPRJ (2.8)
0.31 >=0.20	FNBP4 (4.8)	NUDT21 (3.6)	EDC4 (3.0)
0.31 >=0.20	MPP3 (4.5)	GNAO1 (3.4)	MPP2 (3.0)
0.31 >=0.20	C1orf172 (6.0)	ESRP2 (5.1)	ELMO3 (4.8)
0.31 >=0.20	CD40 (2.7)	AFF1 (2.7)	FPR3 (2.6)
0.31 >=0.20	SMPD3 (3.4)	KIAA0754 (3.1)	LIPG (3.0)
0.31 >=0.20	PYY (4.0)	PPY (3.4)	PDE3A (3.3)
0.31 >=0.20	KLF14 (2.8)	ENSG00000236267 (2	MYO1H (2.0)
0.31 >=0.20	NRBF2 (2.5)	TTBK2 (2.4)	RELB (2.4)
0.31 >=0.20	C18orf32 (3.1)	TMEM208 (3.1)	CLPTM1 (3.0)
0.31 >=0.20	NR0B2 (3.2)	GALNT2 (2.7)	GLUL (2.6)
0.31 >=0.20	RAPSN (3.4)	CYP26A1 (2.9)	TBKBP1 (2.8)
0.31 >=0.20	TTBK2 (2.7)	AFF1 (2.6)	CYP2W1 (2.4)
0.31 >=0.20	CX3CL1 (2.8)	AGBL2 (2.7)	APOA4 (2.5)
0.31 >=0.20	ERBB2 (5.1)	GRB7 (4.4)	MIEN1 (4.4)
0.31 >=0.20	COBLL1 (2.8)	APOE (2.7)	SPRYD5 (2.2)
0.31 >=0.20	RLTPR (3.2)	ZNF614 (3.1)	DUS2L (2.6)
0.31 >=0.20	COBLL1 (3.2)	GPIHBP1 (2.7)	APOE (2.4)
0.31 >=0.20	AMBRA1 (4.1)	PACSIN3 (3.0)	ZNF614 (3.0)
0.31 >=0.20	PSMC3 (5.6)	MTCH2 (4.5)	ZFAND2A (4.1)
0.31 >=0.20	SNX13 (3.0)	CCDC92 (2.8)	SPRYD5 (2.7)
0.31 >=0.20	TGM5 (3.3)	OASL (2.6)	MYO5B (2.1)
0.31 >=0.20	TGM5 (3.3)	OASL (2.6)	MYO5B (2.1)
0.31 >=0.20	UBE2L3 (3.7)	NPEPPS (3.1)	CMIP (2.9)
0.31 >=0.20	ST3GAL4 (3.0)	ZNF350 (2.9)	PCSK7 (2.5)
0.31 >=0.20	SNORD58C (3.7)	TNKS (3.1)	FNBP4 (2.6)
0.31 >=0.20	NDUFS3 (2.9)	PDHB (2.9)	PSMC3 (2.8)
0.31 >=0.20	CXXC1 (3.6)	THAP11 (3.3)	BUD13 (3.2)
0.31 >=0.20	SLC12A3 (5.4)	HNF1A (3.2)	HNF4A (2.9)
0.31 >=0.20	AMBRA1 (4.5)	ATG13 (3.7)	KBTBD4 (3.7)
0.31 >=0.20	SLC39A13 (3.3)	ENSG00000254235 (2	RSPO3 (2.4)
0.31 >=0.20	LILRB2 (3.5)	FPR3 (3.0)	SMPD3 (2.8)
0.31 >=0.20	LILRB2 (3.5)	FPR3 (3.0)	SMPD3 (2.8)
0.31 >=0.20	MFAP1 (3.9)	GPN2 (3.5)	NCOA5 (2.9)
0.31 >=0.20	APOA4 (5.5)	CX3CL1 (3.2)	APOC3 (2.8)
0.31 >=0.20	ABCA1 (3.0)	ABCA8 (2.7)	BBS2 (2.7)
0.31 >=0.20	ZDHHC18 (2.8)	MBD1 (2.6)	FBXL20 (2.3)
0.31 >=0.20	FNBP4 (3.7)	NUDT21 (3.4)	RBM6 (3.3)
0.31 >=0.20	ETV5 (6.5)	TRIB1 (3.9)	ENSG00000226645 (3
0.31 >=0.20	FNBP4 (4.3)	NUDT21 (3.4)	ACD (3.3)
0.31 >=0.20	FNBP4 (4.4)	NUDT21 (3.5)	RBM6 (3.3)
0.31 >=0.20	ARID1A (4.1)	SBNO1 (3.6)	CELF1 (2.9)
0.31 >=0.20	BUD13 (4.3)	PCIF1 (4.1)	ZNF408 (3.7)
0.31 >=0.20	SDF2L1 (4.0)	PDIA3 (3.7)	HERPUD1 (2.4)
0.31 >=0.20	MST1R (3.4)	CKAP5 (2.6)	MYO5B (2.5)

0.31 >=0.20	TBL2 (3.6)	AMFR (3.4)	PDIA3 (3.2)
0.31 >=0.20	RELB (5.3)	BCL3 (4.8)	CD40 (3.6)
0.31 >=0.20	TRPS1 (3.1)	LRP4 (3.0)	SOST (2.9)
0.31 >=0.20	OASL (6.2)	CDK12 (2.9)	MTF2 (2.8)
0.32 >=0.20	BCL7B (2.5)	MIEN1 (2.5)	COBLL1 (2.4)
0.32 >=0.20	NCOA5 (3.9)	RBM5 (3.9)	CDK12 (3.7)
0.32 >=0.20	EYA3 (2.9)	CMIP (2.6)	SLC39A13 (2.5)
0.32 >=0.20	PTPRZ1 (3.9)	LRP4 (3.5)	TNKS (2.6)
0.32 >=0.20	RSPRY1 (2.6)	NCOA5 (2.2)	KIAA0895L (2.2)
0.32 >=0.20	PPY (2.7)	PYY (2.7)	BMP8A (2.5)
0.32 >=0.20	ENSG00000254235 (4	SLC22A1 (3.6)	SLC12A3 (3.1)
0.32 >=0.20	TSNAXIP1 (2.7)	NLRC5 (2.4)	CASC4 (2.4)
0.32 >=0.20	ERBB2 (3.2)	LRP4 (2.9)	PVRL2 (2.8)
0.32 >=0.20	RAPSN (3.9)	COBLL1 (3.8)	ST3GAL4 (2.9)
0.32 >=0.20	RSPO3 (5.0)	SIDT2 (3.2)	FZD9 (3.0)
0.32 >=0.20	TMEM101 (3.3)	DUSP3 (3.0)	TMEM208 (3.0)
0.32 >=0.20	PDHB (3.1)	ADAL (3.0)	MTCH2 (3.0)
0.32 >=0.20	POLR2C (3.7)	SKA1 (3.5)	WDR76 (3.4)
0.32 >=0.20	PTPRZ1 (3.7)	CYP26A1 (3.4)	FRMD5 (2.5)
0.32 >=0.20	CDK12 (7.6)	PGAP3 (7.1)	ERBB2 (6.4)
0.32 >=0.20	RELB (3.6)	BCL3 (3.3)	MAFF (3.0)
0.32 >=0.20	PRMT7 (3.8)	KPNB1 (3.6)	NUP93 (3.2)
0.32 >=0.20	SCARB1 (4.2)	NR0B2 (3.1)	ST3GAL4 (3.0)
0.32 >=0.20	HERPUD1 (4.2)	SLC12A3 (2.9)	NEUROD2 (2.6)
0.32 >=0.20	MBD1 (4.0)	DYM (3.9)	CBFB (3.9)
0.32 >=0.20	FNBP4 (3.8)	RBM6 (3.6)	PCIF1 (3.3)
0.32 >=0.20	DEPDC1 (7.1)	SKA1 (6.0)	CKAP5 (5.2)
0.32 >=0.20	HSF4 (3.9)	LPL (3.2)	ENSG00000182109 (2
0.32 >=0.20	NFATC3 (3.7)	AMFR (3.5)	ACD (3.2)
0.32 >=0.20	STRC (4.6)	GLUL (2.9)	MYO5B (2.4)
0.32 >=0.20	EIF3J (3.7)	CCNDBP1 (3.3)	TNKS (3.3)
0.32 >=0.20	RELB (4.9)	SIK3 (2.8)	CD40 (2.5)
0.32 >=0.20	CMIP (3.4)	TRIB1 (3.3)	ARID1A (3.2)
0.32 >=0.20	PSMC3 (3.6)	RANBP10 (3.6)	CCNDBP1 (3.5)
0.32 >=0.20	MIEN1 (3.1)	C18orf32 (3.0)	PLA2G6 (2.6)
0.32 >=0.20	PPP1R1B (3.8)	GNAO1 (3.6)	C1QTNF4 (2.8)
0.32 >=0.20	RBM6 (3.7)	FNBP4 (3.7)	PCIF1 (3.1)
0.32 >=0.20	DR1 (2.8)	KCTD10 (2.6)	PLA2G6 (2.5)
0.32 >=0.20	SCARB1 (4.8)	COBLL1 (3.0)	ST3GAL4 (2.9)
0.32 >=0.20	ERBB2 (4.9)	G6PC3 (4.0)	CLPTM1 (3.3)
0.32 >=0.20	ZDHHC18 (2.8)	OR4A21P (2.7)	CCL22 (2.6)
0.32 >=0.20	SNORD58C (3.4)	NUTF2 (3.2)	KPNB1 (3.1)
0.32 >=0.20	ENSG00000247445 (3	ACAA2 (3.1)	PDHB (2.7)
0.32 >=0.20	NUDT21 (3.7)	MAFF (3.5)	TRIB1 (3.5)
0.32 >=0.20	FNBP4 (4.0)	RBM6 (3.5)	NUP93 (3.1)
0.32 >=0.20	OR5L2 (3.1)	ST3GAL4 (2.7)	MT1H (2.5)
0.32 >=0.20	C1orf172 (6.0)	ELMO3 (4.7)	ESRP2 (4.7)
0.32 >=0.20	ENSG00000247445 (3	NRBF2 (2.9)	OR5L2 (2.6)
0.32 >=0.20	FRMD5 (2.6)	CASC4 (2.5)	KLF14 (2.3)
0.32 >=0.20	FNBP4 (4.7)	RBM5 (3.9)	NUDT21 (3.6)

0.32 >=0.20	NLRC5 (8.3)	PSMB10 (3.8)	OASL (3.5)
0.32 >=0.20	CKAP5 (3.1)	FEN1 (2.6)	FNBP4 (2.4)
0.32 >=0.20	C11orf9 (2.9)	LRP4 (2.9)	ESRP2 (2.6)
0.32 >=0.20	LCMT2 (3.2)	DEPDC1 (3.1)	DDX28 (3.0)
0.32 >=0.20	TRPS1 (3.5)	JMJD1C (2.6)	TRNP1 (2.5)
0.32 >=0.20	ST3GAL4 (3.2)	OR5L2 (2.7)	TGM7 (2.2)
0.32 >=0.20	NFATC3 (3.1)	UVRAG (2.8)	ARID1A (2.5)
0.32 >=0.20	PCIF1 (3.7)	AMBRA1 (3.1)	SETD8 (3.0)
0.32 >=0.20	AMBRA1 (3.9)	LCMT2 (3.5)	PACSIN3 (3.3)
0.32 >=0.20	LSM12 (3.1)	CDK12 (2.9)	ENSG00000254235 (2
0.32 >=0.20	ACD (4.0)	PSKH1 (3.8)	TNKS (3.7)
0.32 >=0.20	PDHB (2.9)	NDUFS3 (2.9)	NUP93 (2.8)
0.32 >=0.20	PDIA3 (8.1)	SDF2L1 (7.0)	HERPUD1 (3.2)
0.32 >=0.20	LILRA3 (3.2)	LILRB2 (3.1)	OR4A21P (2.7)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MFAP1 (3.6)	DR1 (3.2)	MIEN1 (3.1)
0.32 >=0.20	MTF2 (3.1)	TMEM101 (2.6)	FAM192A (2.6)
0.32 >=0.20	RELB (4.3)	CD40 (3.6)	SNX10 (3.3)
0.32 >=0.20	BCAM (3.9)	ST3GAL4 (3.2)	PVRL2 (3.0)
0.32 >=0.20	FADS2 (3.0)	TNKS (2.4)	SETD8 (2.4)
0.32 >=0.20	PPY (9.6)	PYY (5.9)	MLXIPL (4.7)
0.32 >=0.20	CXXC1 (3.5)	MFAP1 (3.3)	NUP160 (3.2)
0.32 >=0.20	HDAC5 (3.0)	PSKH1 (3.0)	EDC4 (3.0)
0.32 >=0.20	FHOD1 (2.7)	RNF214 (2.7)	EYA3 (2.6)
0.32 >=0.20	PDIA3 (3.9)	SDF2L1 (3.6)	GFOD2 (3.4)
0.32 >=0.20	SFN (3.6)	CCL17 (3.1)	CCL22 (2.9)
0.32 >=0.20	EXOC3L1 (3.7)	TBKBP1 (3.4)	DOCK6 (3.0)
0.32 >=0.20	SPI1 (3.1)	ESRP2 (2.7)	CCDC116 (2.5)
0.32 >=0.20	RAB11B (2.7)	DR1 (2.6)	PAFAH1B2 (2.6)
0.32 >=0.20	BCL3 (3.2)	NFATC3 (2.8)	MAFF (2.8)
0.32 >=0.20	TMED5 (3.2)	ATG13 (3.0)	SDF2L1 (2.9)
0.32 >=0.20	FNBP4 (4.3)	NUDT21 (3.2)	NUP93 (3.2)
0.32 >=0.20	DOCK6 (4.2)	GPIHBP1 (3.9)	TAGLN (3.4)
0.32 >=0.20	RELB (5.9)	CCL22 (4.0)	CCL17 (3.7)
0.32 >=0.20	FNBP4 (4.3)	RBM6 (3.1)	SNORD58C (3.0)
0.32 >=0.20	FZD9 (3.8)	LRP4 (2.7)	ENSG00000247867 (2
0.32 >=0.20	SNORD58C (3.8)	ZNF259 (3.8)	RBM6 (3.3)
0.32 >=0.20	EDC4 (3.4)	E2F4 (3.4)	THAP11 (3.0)
0.32 >=0.20	CLPTM1 (3.1)	IGF2R (2.8)	BCAM (2.2)
0.32 >=0.20	PTPRZ1 (4.2)	LRP4 (3.6)	TECTB (3.6)
0.32 >=0.20	RLTPR (3.6)	TRADD (3.2)	HERPUD1 (2.7)
0.33 >=0.20	KPNB1 (2.9)	EIF3J (2.5)	ENSG00000255507 (2
0.33 >=0.20	LRP4 (4.7)	SOST (4.1)	SMPD3 (3.6)
0.33 >=0.20	FNBP4 (4.2)	NUDT21 (3.5)	ACD (3.1)
0.33 >=0.20	LILRA3 (5.8)	NLRC5 (5.0)	LILRB2 (3.9)
0.33 >=0.20	CYP26A1 (4.5)	ETV5 (3.3)	SOST (2.8)

0.33 >=0.20	FZD9 (4.8)	PTPRZ1 (3.4)	TRPS1 (3.2)
0.33 >=0.20	SPI1 (3.5)	TAGLN (3.3)	ARHGAP1 (3.1)
0.33 >=0.20	PCIF1 (4.1)	KBTBD4 (3.7)	ZNF408 (3.4)
0.33 >=0.20	NDUFS3 (2.9)	PDHB (2.9)	PSMC3 (2.8)
0.33 >=0.20	PXK (3.8)	CD40 (3.1)	SPI1 (3.1)
0.33 >=0.20	UBE2L3 (2.8)	DOK4 (2.5)	ARFGAP2 (2.4)
0.33 >=0.20	RBM6 (3.4)	CCDC18 (2.7)	GLUL (2.7)
0.33 >=0.20	THAP11 (3.2)	NDUFS3 (2.6)	CASC4 (2.1)
0.33 >=0.20	SPRYD5 (3.8)	SLC12A4 (3.0)	PSKH1 (2.8)
0.33 >=0.20	PDE3A (5.6)	MYBPC3 (4.9)	DOCK6 (2.5)
0.33 >=0.20	PAFAH1B2 (3.3)	PCSK7 (2.9)	RBM6 (2.7)
0.33 >=0.20	CTRL (3.5)	ZDHHC18 (3.2)	DDB2 (2.9)
0.33 >=0.20	PTPRJ (3.0)	GRB7 (2.5)	MST1R (2.4)
0.33 >=0.20	DEPDC1 (6.7)	SKA1 (5.9)	CKAP5 (4.9)
0.33 >=0.20	C18orf32 (3.5)	MIEN1 (3.0)	DUSP3 (3.0)
0.33 >=0.20	C1orf172 (7.3)	SFN (5.3)	ELMO3 (4.4)
0.33 >=0.20	PDE3A (2.7)	HDAC5 (2.5)	CETP (2.5)
0.33 >=0.20	PSMC3 (5.9)	PSMB10 (4.1)	MTCH2 (3.9)
0.33 >=0.20	PSMC3 (5.9)	PSMB10 (4.1)	MTCH2 (3.9)
0.33 >=0.20	TRPS1 (3.8)	LRP4 (3.0)	IGF2R (2.9)
0.33 >=0.20	RBM5 (3.7)	NCOA5 (3.7)	CDK12 (3.6)
0.33 >=0.20	PGS1 (3.2)	PGAP3 (2.9)	ENSG00000181123 (2
0.33 >=0.20	LILRB2 (3.7)	LILRA3 (3.1)	CCL22 (2.5)
0.33 >=0.20	BUD13 (3.1)	KCTD10 (2.8)	KCTD6 (2.4)
0.33 >=0.20	TAGLN (3.1)	MACF1 (3.0)	BCAM (2.7)
0.33 >=0.20	UBE3B (3.0)	SETD8 (2.8)	DUSP3 (2.8)
0.33 >=0.20	CPS1 (2.3)	AGBL2 (2.3)	YDJC (2.3)
0.33 >=0.20	PLTP (3.4)	GRB7 (2.9)	PGAP3 (2.8)
0.33 >=0.20	CCDC116 (3.8)	OR4A21P (3.2)	FPR3 (2.9)
0.33 >=0.20	NLRC5 (7.4)	HERPUD1 (4.2)	FADS2 (4.2)
0.33 >=0.20	MVK (5.1)	MMAB (4.9)	FADS2 (4.4)
0.33 >=0.20	DR1 (2.9)	NPEPPS (2.3)	C17orf57 (2.3)
0.33 >=0.20	TRPS1 (3.7)	PTPRZ1 (3.6)	LIPG (2.8)
0.33 >=0.20	TOMM40 (3.5)	KPNB1 (2.8)	EIF3J (2.5)
0.33 >=0.20	SLC12A3 (6.2)	PLG (3.0)	HNF4A (3.0)
0.33 >=0.20	TECTB (7.8)	FZD9 (3.6)	LRP4 (3.2)
0.33 >=0.20	KLHL8 (2.9)	KANK2 (2.3)	DDB2 (2.2)
0.33 >=0.20	ZNF259 (3.8)	YDJC (3.6)	BUD13 (3.4)
0.33 >=0.20	CYP26A1 (5.6)	RSPO3 (4.2)	NEUROD2 (2.8)
0.33 >=0.20	SMPD3 (3.4)	ZNF664 (2.7)	AFF1 (2.7)
0.33 >=0.20	NCOA5 (4.2)	SBNO1 (4.2)	BAZ1B (3.9)
0.33 >=0.20	CCL22 (3.8)	CTRL (3.6)	CD40 (3.3)
0.33 >=0.20	APOA1 (5.9)	F2 (5.7)	APOB (5.4)
0.33 >=0.20	ARID1A (3.3)	E2F4 (2.9)	KANK2 (2.6)
0.33 >=0.20	PPP1R1B (3.4)	PTPRZ1 (2.4)	CELSR2 (2.4)
0.33 >=0.20	HCAR1 (2.8)	CCDC116 (2.7)	OR5I1 (2.6)
0.33 >=0.20	NEUROD2 (5.8)	GNAO1 (3.2)	CELSR2 (2.6)
0.33 >=0.20	DEPDC1 (8.7)	SKA1 (7.5)	CKAP5 (5.7)
0.33 >=0.20	SLC12A3 (9.4)	PPY (4.6)	PLG (3.0)
0.33 >=0.20	CMIP (3.1)	MACF1 (3.1)	KCTD10 (2.9)

0.33	>=0.20	ARID1A (4.1)	AMBRA1 (4.0)	EYA3 (3.5)
0.33	>=0.20	MBD1 (4.6)	SNORD58C (3.7)	CXXC1 (3.7)
0.33	>=0.20	APOA4 (5.6)	SMPD3 (3.4)	LPL (3.3)
0.33	>=0.20	RLTPR (3.3)	FPR3 (3.0)	SPI1 (3.0)
0.33	>=0.20	OASL (7.2)	LCMT2 (3.1)	CXXC1 (3.0)
0.33	>=0.20	UVRAG (2.6)	MACF1 (2.4)	MTMR3 (2.4)
0.33	>=0.20	HCAR1 (2.8)	MYO1H (2.3)	C17orf105 (2.3)
0.33	>=0.20	OASL (3.9)	LILRA3 (3.9)	APOA4 (3.7)
0.33	>=0.20	ATG13 (3.4)	PSKH1 (3.4)	GALNT2 (2.9)
0.33	>=0.20	DEPDC1 (7.1)	SKA1 (7.0)	CKAP5 (5.4)
0.33	>=0.20	PGS1 (3.3)	ARFGAP2 (3.1)	PXK (3.1)
0.33	>=0.20	FNBP4 (3.4)	RBM6 (3.3)	PCIF1 (3.3)
0.33	>=0.20	DOCK6 (2.8)	LILRB2 (2.6)	SPI1 (2.6)
0.33	>=0.20	ESRP2 (4.5)	C1orf172 (4.3)	ELMO3 (3.1)
0.33	>=0.20	OASL (9.3)	PSMB10 (4.9)	NLRC5 (3.8)
0.34	>=0.20	THAP11 (4.0)	MTF2 (3.4)	FAM192A (3.4)
0.34	>=0.20	ARFGAP2 (3.2)	MTMR3 (3.2)	AMBRA1 (3.0)
0.34	>=0.20	DEPDC1 (7.9)	SKA1 (7.1)	CCDC18 (5.3)
0.34	>=0.20	DEPDC1 (8.5)	SKA1 (7.2)	CCDC18 (5.6)
0.34	>=0.20	ARID1A (4.4)	MTMR3 (3.8)	DR1 (3.2)
0.34	>=0.20	FNBP4 (3.9)	NUDT21 (3.9)	CXXC1 (3.5)
0.34	>=0.20	GPN2 (3.8)	NRBF2 (3.7)	CDK12 (3.6)
0.34	>=0.20	REEP3 (4.5)	SNX13 (4.0)	DUSP3 (2.8)
0.34	>=0.20	MACF1 (3.6)	MYO5B (2.7)	OGFOD1 (2.5)
0.34	>=0.20	PDHB (3.0)	NDUFS3 (2.9)	PSMC3 (2.8)
0.34	>=0.20	APOA4 (5.2)	APOC3 (4.2)	APOA1 (3.7)
0.34	>=0.20	FZD9 (3.5)	OR5J2 (2.9)	PYY (2.8)
0.34	>=0.20	ENSG00000256746 (3	TTC39B (2.5)	CTRL (2.3)
0.34	>=0.20	PPP1R1B (3.7)	TRPS1 (3.6)	MT1M (3.4)
0.34	>=0.20	RAB11B (4.2)	E2F4 (3.6)	EYA3 (2.6)
0.34	>=0.20	DEPDC1 (7.5)	SKA1 (6.8)	CKAP5 (5.1)
0.34	>=0.20	PSMC3 (6.0)	MTCH2 (4.2)	ZFAND2A (4.1)
0.34	>=0.20	PSMC3 (5.9)	ZFAND2A (4.2)	MTCH2 (4.2)
0.34	>=0.20	RAB11B (4.1)	BCAM (3.0)	DOK4 (3.0)
0.34	>=0.20	DEPDC1 (7.3)	SKA1 (6.6)	CCDC18 (5.1)
0.34	>=0.20	ENSG00000236267 (3	ENSG00000226334 (2	OR4A1P (2.7)
0.34	>=0.20	CCDC11 (3.6)	MYO1H (3.3)	PGS1 (3.1)
0.34	>=0.20	LRP4 (2.8)	PTPRZ1 (2.6)	CELSR2 (2.4)
0.34	>=0.20	TBKBP1 (3.7)	CCDC92 (2.7)	DYM (2.7)
0.34	>=0.20	TRPS1 (3.8)	PTPRZ1 (2.9)	CYP26A1 (2.7)
0.34	>=0.20	SDF2L1 (7.0)	PDIA3 (4.0)	C18orf32 (3.5)
0.34	>=0.20	MED1 (3.9)	ARID1A (3.2)	EDC4 (3.0)
0.34	>=0.20	KPNB1 (3.6)	FHOD1 (2.8)	RAB11B (2.8)
0.34	>=0.20	EXOC3L1 (3.6)	TBKBP1 (3.3)	CD300LG (2.9)
0.34	>=0.20	SLC12A3 (4.3)	SLC22A1 (3.6)	SOST (3.5)
0.34	>=0.20	TBL2 (3.6)	C7orf50 (3.2)	SDF2L1 (3.0)
0.34	>=0.20	ETV5 (2.9)	CELF1 (2.6)	AMFR (2.5)
0.34	>=0.20	FNBP4 (4.0)	RBM6 (3.8)	EDC4 (3.2)
0.34	>=0.20	ENSG00000247445 (3	ACAA2 (2.7)	DGKG (2.6)
0.34	>=0.20	ENSG00000247445 (3	ACAA2 (2.7)	DGKG (2.6)

0.34	>=0.20	CD40 (3.1)	RLTPR (3.0)	CCL22 (3.0)
0.34	>=0.20	CXXC1 (3.8)	FNBP4 (3.6)	NUDT21 (3.5)
0.34	>=0.20	PPY (5.0)	CTRL (3.7)	APOA4 (2.9)
0.34	>=0.20	EPB42 (10.0)	SEC14L4 (5.3)	RANBP10 (5.0)
0.34	>=0.20	RAB11B (2.9)	PCIF1 (2.8)	ADAL (2.7)
0.34	>=0.20	CD40 (5.1)	RELB (4.1)	SPI1 (3.8)
0.34	>=0.20	CD40 (5.6)	RELB (4.5)	CCL22 (3.9)
0.34	>=0.20	TMEM208 (5.2)	PSMB10 (4.5)	PSMC3 (4.2)
0.34	>=0.20	FZD9 (5.2)	TAGLN (3.1)	PPP1R1B (2.7)
0.34	>=0.20	ARID1A (3.6)	AMBRA1 (3.5)	MACF1 (3.4)
0.34	>=0.20	WDR76 (4.2)	BAZ1B (3.4)	SKA1 (3.4)
0.34	>=0.20	ATG13 (3.7)	RANBP10 (3.1)	PSKH1 (2.8)
0.34	>=0.20	CLPTM1 (3.3)	MADD (2.7)	TMEM175 (2.6)
0.34	>=0.20	KPNB1 (3.1)	NPEPPS (3.0)	LSM12 (2.8)
0.34	>=0.20	UBE2L3 (3.1)	TAGLN (3.1)	NUTF2 (2.5)
0.34	>=0.20	MYO1H (3.8)	ENSG00000255507 (3	PSMB10 (2.7)
0.34	>=0.20	PNMT (2.9)	GNAO1 (2.2)	PITPNM2 (2.1)
0.34	>=0.20	C7orf50 (3.4)	OR5J2 (2.8)	APOE (2.4)
0.34	>=0.20	TMEM62 (3.5)	PCSK7 (3.1)	TMEM175 (2.8)
0.34	>=0.20	ARID1A (2.8)	CMIP (2.4)	TRPS1 (2.2)
0.34	>=0.20	PRMT7 (3.9)	ACD (3.6)	GPN2 (3.2)
0.34	>=0.20	TCAP (4.3)	TRIB1 (2.8)	LILRA3 (2.6)
0.34	>=0.20	DR1 (3.8)	ZNF664 (3.0)	SETD8 (2.7)
0.34	>=0.20	YDJC (3.0)	DUS2L (2.5)	GLUL (2.4)
0.34	>=0.20	FAM192A (3.3)	EDC4 (3.1)	RBM6 (2.7)
0.34	>=0.20	CX3CL1 (2.4)	AGBL2 (2.3)	C16orf86 (2.2)
0.35	>=0.20	DEPDC1 (7.6)	SKA1 (7.0)	CCDC18 (5.8)
0.35	>=0.20	SMPD3 (3.3)	NFATC3 (2.6)	TP53BP1 (2.6)
0.35	>=0.20	SIK3 (3.0)	RNF214 (2.9)	APOA4 (2.8)
0.35	>=0.20	DDB2 (3.7)	TNKS (2.6)	CSGALNACT1 (2.6)
0.35	>=0.20	TAGLN (5.0)	APOE (3.2)	FHOD1 (2.8)
0.35	>=0.20	LRP4 (3.7)	TRPS1 (3.0)	RSPO3 (3.0)
0.35	>=0.20	RELB (5.9)	PTPRJ (3.6)	OASL (3.4)
0.35	>=0.20	TRPS1 (4.1)	LRP4 (2.7)	CYP26A1 (2.3)
0.35	>=0.20	SPI1 (5.8)	EYA3 (3.2)	RLTPR (3.1)
0.35	>=0.20	DEPDC1 (8.4)	SKA1 (7.1)	CCDC18 (5.6)
0.35	>=0.20	RBPJ (3.9)	SNX10 (3.6)	CCL17 (3.1)
0.35	>=0.20	NLRC5 (3.5)	CCL22 (3.4)	APOE (2.9)
0.35	>=0.20	TRPS1 (3.1)	MLXIPL (2.5)	SIK3 (2.4)
0.35	>=0.20	APOA4 (5.7)	CPS1 (3.3)	ELMO3 (3.1)
0.35	>=0.20	ABCA8 (4.0)	LILRB2 (3.6)	APOE (3.2)
0.35	>=0.20	SBNO1 (2.9)	RSPRY1 (2.5)	RANBP10 (2.5)
0.35	>=0.20	ABCA8 (3.1)	GNAO1 (2.9)	CPNE2 (2.8)
0.35	>=0.20	EPB42 (7.2)	MT1X (3.4)	RANBP10 (3.1)
0.35	>=0.20	GNAO1 (3.7)	CX3CL1 (3.6)	MPP2 (3.5)
0.35	>=0.20	CD40 (7.0)	RELB (5.9)	CCL22 (5.8)
0.35	>=0.20	ESRP2 (4.5)	C1orf172 (4.4)	SFN (3.2)
0.35	>=0.20	CMIP (3.8)	PAFAH1B2 (2.8)	CASC4 (2.8)
0.35	>=0.20	ENSG00000247867 (2	LRP4 (2.4)	NEUROD2 (2.4)
0.35	>=0.20	BUD13 (3.8)	RBM6 (3.5)	FNBP4 (3.4)

0.35	>=0.20	RNF214 (2.7)	FHOD1 (2.7)	EYA3 (2.4)
0.35	>=0.20	ERBB2 (6.7)	MED1 (4.5)	GRB7 (4.0)
0.35	>=0.20	OASL (12.3)	NLRC5 (6.8)	PSMB10 (5.6)
0.35	>=0.20	SNORD58C (3.4)	ZNF259 (3.3)	C12orf43 (3.1)
0.35	>=0.20	UVRAG (4.5)	PCSK7 (3.3)	AFF1 (3.2)
0.35	>=0.20	TGM7 (3.8)	TECTB (2.6)	CMIP (2.1)
0.35	>=0.20	MTMR3 (2.9)	MYO1H (2.9)	PGS1 (2.9)
0.35	>=0.20	BACE1 (2.7)	CLPTM1 (2.6)	ACP2 (2.1)
0.35	>=0.20	SETD8 (4.4)	SKA1 (4.1)	DEPDC1 (4.0)
0.35	>=0.20	ATG13 (3.8)	RNF214 (3.6)	CMIP (3.0)
0.35	>=0.20	FNBP4 (4.5)	NUDT21 (3.4)	ACD (3.2)
0.35	>=0.20	C1orf172 (4.9)	ELMO3 (4.7)	ESRP2 (4.5)
0.35	>=0.20	FNBP4 (4.9)	RBM6 (3.4)	NCOA5 (2.9)
0.35	>=0.20	ERBB2 (7.2)	PGAP3 (5.9)	PNMT (5.3)
0.35	>=0.20	PGAP3 (4.0)	PSMC3 (3.7)	TOMM40 (3.6)
0.35	>=0.20	DEPDC1 (8.4)	SKA1 (7.3)	CKAP5 (5.6)
0.35	>=0.20	MBD1 (5.7)	SNORD58C (4.3)	DYM (4.1)
0.35	>=0.20	RELB (4.5)	KLF14 (3.3)	ACP2 (3.0)
0.35	>=0.20	ENSG00000181123 (2	RSPO3 (2.6)	KANK2 (2.5)
0.35	>=0.20	PTPRZ1 (4.3)	CYP26A1 (3.4)	SMPD3 (2.4)
0.35	>=0.20	SPI1 (2.9)	LILRB2 (2.8)	DOCK6 (2.4)
0.35	>=0.20	PCSK7 (3.6)	AFF1 (3.3)	MTMR3 (3.2)
0.35	>=0.20	KLF14 (3.0)	PVRL2 (2.6)	GRB7 (2.5)
0.35	>=0.20	NEUROD2 (6.8)	PTPRZ1 (5.0)	GNAO1 (3.0)
0.35	>=0.20	SPI1 (4.2)	PTPRJ (3.1)	LILRB2 (2.8)
0.35	>=0.20	C1orf172 (5.1)	ESRP2 (4.5)	ELMO3 (4.3)
0.35	>=0.20	TBL2 (5.0)	G6PC3 (4.8)	SDF2L1 (4.0)
0.35	>=0.20	CCL22 (7.2)	CD40 (5.2)	CCL17 (4.7)
0.35	>=0.20	FZD9 (3.9)	HNF1A (3.1)	LRP4 (3.0)
0.35	>=0.20	HERPUD1 (5.3)	OGFOD1 (4.4)	RELB (4.0)
0.35	>=0.20	PGAP3 (3.9)	NOL3 (2.9)	HSF4 (2.8)
0.35	>=0.20	TRPS1 (2.9)	GPER (2.7)	SFN (2.5)
0.35	>=0.20	NUP160 (3.7)	EDC4 (3.6)	NUDT21 (3.4)
0.35	>=0.20	COX19 (3.2)	RBM5 (2.9)	TBKBP1 (2.4)
0.35	>=0.20	TAGLN (5.1)	SFN (4.9)	BCAM (4.0)
0.35	>=0.20	MBD1 (4.8)	DYM (3.2)	SNORD58C (3.0)
0.35	>=0.20	TRIB1 (3.2)	KPNB1 (2.8)	TOMM40 (2.6)
0.35	>=0.20	TRPS1 (4.4)	LRP4 (3.5)	FZD9 (3.5)
0.35	>=0.20	SLC12A3 (5.3)	PPY (4.5)	TGM5 (4.0)
0.35	>=0.20	DEPDC1 (9.1)	SKA1 (6.5)	CKAP5 (5.6)
0.35	>=0.20	CKAP5 (4.9)	NUTF2 (4.0)	ZNF259 (3.7)
0.35	>=0.20	DR1 (3.4)	MTF2 (3.1)	BCL7B (3.0)
0.36	>=0.20	TECTB (3.7)	MFAP1 (2.8)	LCMT2 (2.4)
0.36	>=0.20	PPP1R1B (3.3)	MST1R (3.1)	ERBB2 (2.9)
0.36	>=0.20	TRPS1 (3.4)	FZD9 (3.4)	SOST (3.2)
0.36	>=0.20	PDIA3 (8.1)	SDF2L1 (7.2)	HERPUD1 (3.4)
0.36	>=0.20	DEPDC1 (8.3)	SKA1 (7.5)	CCDC18 (5.1)
0.36	>=0.20	OR5I1 (3.2)	HSF4 (2.7)	SPRYD5 (2.4)
0.36	>=0.20	CXXC1 (3.2)	PCIF1 (3.1)	CCNDBP1 (2.9)
0.36	>=0.20	KANK2 (2.8)	ENSG00000181123 (2	ENSG00000226645 (2

0.36 >=0.20	RELB (4.4)	CD40 (3.9)	PSMB10 (2.8)
0.36 >=0.20	FAM192A (3.5)	C16orf48 (3.4)	E2F4 (3.3)
0.36 >=0.20	POLR2C (3.6)	WDR76 (3.2)	BCL7B (3.2)
0.36 >=0.20	NUP160 (3.6)	FAM192A (3.3)	NUDT21 (3.2)
0.36 >=0.20	FNBP4 (5.0)	RBM6 (3.7)	RBM5 (3.3)
0.36 >=0.20	HNF1A (2.7)	DPEP2 (2.5)	KANK2 (2.4)
0.36 >=0.20	DPEP2 (3.2)	SPI1 (3.0)	PDE3A (2.7)
0.36 >=0.20	NCOA5 (4.3)	ARID1A (3.5)	EPB42 (3.1)
0.36 >=0.20	CETP (4.3)	CCDC92 (4.2)	PITPNM2 (2.8)
0.36 >=0.20	FNBP4 (5.0)	NCOA5 (3.4)	CXXC1 (3.1)
0.36 >=0.20	FZD9 (5.1)	B3GNT9 (3.9)	MT1E (2.3)
0.36 >=0.20	B3GNT9 (3.9)	TAGLN (3.2)	FZD9 (3.0)
0.36 >=0.20	DPEP2 (4.0)	OR4A21P (3.7)	LILRA3 (3.7)
0.36 >=0.20	RELB (4.2)	BCL3 (2.8)	NCOA5 (2.8)
0.36 >=0.20	OASL (4.2)	PTPRJ (3.4)	DDB2 (3.1)
0.36 >=0.20	OASL (4.2)	PTPRJ (3.4)	DDB2 (3.1)
0.36 >=0.20	OASL (4.2)	PTPRJ (3.4)	DDB2 (3.1)
0.36 >=0.20	UVRAG (2.6)	ENSG00000179523 (2	FHOD1 (2.3)
0.36 >=0.20	PVRL2 (3.5)	MYO5B (2.9)	FRMD5 (2.7)
0.36 >=0.20	GFOD2 (2.5)	ZNF259 (2.4)	NUTF2 (2.4)
0.36 >=0.20	FNBP4 (4.4)	NUDT21 (3.5)	ACD (3.2)
0.36 >=0.20	FNBP4 (4.4)	NUDT21 (3.5)	ACD (3.2)
0.36 >=0.20	TNKS (2.7)	BUD13 (2.5)	MED1 (2.4)
0.36 >=0.20	BCL3 (2.6)	SIK3 (2.6)	LRP4 (2.3)
0.36 >=0.20	TRPS1 (4.0)	FZD9 (3.0)	LRP4 (2.8)
0.36 >=0.20	SLC12A3 (4.2)	MST1R (3.0)	TECTB (2.9)
0.36 >=0.20	ETV5 (5.8)	ZNF615 (3.6)	TRIB1 (3.1)
0.36 >=0.20	LCAT (3.0)	REEP3 (2.6)	SLC12A4 (2.4)
0.36 >=0.20	ELMO3 (3.2)	HNF4A (3.0)	C1orf172 (3.0)
0.36 >=0.20	FNBP4 (3.9)	RBM6 (3.5)	CXXC1 (3.2)
0.36 >=0.20	ACAA2 (3.7)	NAGS (3.3)	CPS1 (2.8)
0.36 >=0.20	AFF1 (3.6)	PCSK7 (3.5)	MTMR3 (3.3)
0.36 >=0.20	ARID1A (3.4)	ARHGAP1 (2.6)	NUTF2 (2.5)
0.36 >=0.20	NUTF2 (3.3)	ZNF259 (2.8)	RELB (2.6)
0.36 >=0.20	FNBP4 (4.6)	ENSG00000223745 (3	SNORD58C (3.4)
0.36 >=0.20	MTMR3 (3.9)	PAFAH1B2 (3.0)	PXK (3.0)
0.36 >=0.20	LILRB2 (4.5)	NRBF2 (3.7)	LIPG (2.7)
0.36 >=0.20	DEPDC1 (7.9)	SKA1 (7.4)	CCDC18 (5.5)
0.36 >=0.20	SLC12A3 (4.3)	C18orf32 (3.5)	DUSP3 (2.9)
0.36 >=0.20	CSGALNACT1 (3.2)	MYO5B (2.7)	ENSG00000226645 (2
0.36 >=0.20	FNBP4 (4.3)	NUDT21 (3.5)	ACD (3.2)
0.36 >=0.20	TRPS1 (5.9)	FZD9 (3.4)	LRP4 (3.1)
0.36 >=0.20	TTC39B (4.1)	CELSR2 (2.4)	MLXIPL (2.3)
0.36 >=0.20	PSMB10 (4.2)	SNX10 (4.1)	LILRA3 (4.1)
0.36 >=0.20	DR1 (3.6)	GFOD2 (3.1)	PAFAH1B2 (2.8)
0.36 >=0.20	MVK (5.6)	FADS2 (5.1)	MMAB (5.0)
0.36 >=0.20	ENSG00000226334 (3	COBLL1 (3.1)	TMED5 (2.5)
0.36 >=0.20	ZNF259 (3.4)	C12orf43 (3.3)	NUP160 (2.7)
0.36 >=0.20	TAGLN (3.7)	RSPO3 (3.1)	NAGS (3.0)
0.36 >=0.20	C11orf9 (3.2)	MAP1A (3.0)	C16orf86 (2.6)

0.36 >=0.20	SLC7A6 (3.4)	LRP4 (3.2)	CPNE2 (2.7)
0.36 >=0.20	OASL (3.0)	CMIP (2.8)	PXK (2.7)
0.36 >=0.20	MAP1A (3.8)	CCDC92 (3.5)	CELSR2 (2.8)
0.36 >=0.20	MIEN1 (3.3)	SNX13 (3.3)	ZNF259 (3.2)
0.36 >=0.20	EYA3 (3.8)	E2F4 (3.2)	PGS1 (3.2)
0.36 >=0.20	SDF2L1 (3.5)	KPNB1 (3.0)	PSMC3 (3.0)
0.36 >=0.20	PTPRJ (3.5)	CMIP (2.8)	HSF4 (2.7)
0.36 >=0.20	CELF1 (3.1)	SNORD58C (2.9)	MED1 (2.7)
0.36 >=0.20	BCAM (5.5)	ELMO3 (3.7)	ABCA8 (3.6)
0.36 >=0.20	CMIP (3.3)	FADS2 (3.0)	AFF1 (2.9)
0.36 >=0.20	DEPDC1 (7.7)	SKA1 (6.9)	CCDC18 (5.3)
0.36 >=0.20	DDB2 (3.9)	COBLL1 (3.1)	RLTPR (2.9)
0.36 >=0.20	MFAP1 (3.1)	CXXC1 (2.9)	NUP160 (2.9)
0.36 >=0.20	CYP2W1 (3.7)	RLTPR (2.7)	TSNAXIP1 (2.3)
0.36 >=0.20	NLRC5 (7.1)	PSMB10 (6.4)	PSMC3 (5.3)
0.36 >=0.20	CCL22 (4.6)	RELB (4.2)	BCL3 (3.1)
0.36 >=0.20	PSMC3 (4.9)	PSMB10 (4.7)	TMEM208 (3.0)
0.36 >=0.20	ARID1A (4.2)	SBNO1 (3.9)	RBM5 (3.8)
0.36 >=0.20	C17orf105 (7.2)	KCTD19 (4.1)	LRRC29 (2.6)
0.36 >=0.20	UVRAG (4.5)	PCSK7 (3.3)	AFF1 (3.3)
0.36 >=0.20	OR5I1 (3.3)	PDE3A (2.6)	CD300LG (2.5)
0.36 >=0.20	DEPDC1 (6.9)	SKA1 (5.8)	CKAP5 (5.1)
0.36 >=0.20	FBXL20 (4.3)	NAGS (3.3)	TMEM101 (3.0)
0.37 >=0.20	CELF1 (3.2)	GNAO1 (2.9)	GLUL (2.7)
0.37 >=0.20	FNBP4 (4.8)	NUDT21 (3.3)	RBM6 (3.2)
0.37 >=0.20	C11orf9 (3.8)	RSPO3 (2.9)	SEC14L4 (2.6)
0.37 >=0.20	BACE1 (2.7)	MPP2 (2.6)	C11orf9 (2.5)
0.37 >=0.20	BACE1 (2.7)	MPP2 (2.6)	C11orf9 (2.5)
0.37 >=0.20	TAGLN (5.4)	PVRL2 (3.9)	BCAM (3.9)
0.37 >=0.20	GALNT2 (3.0)	MFAP1 (2.5)	CELSR2 (2.4)
0.37 >=0.20	RSPO3 (4.3)	TBKBP1 (3.2)	CYP26A1 (2.8)
0.37 >=0.20	CCL22 (3.0)	CCL17 (2.8)	ZDHHC18 (2.5)
0.37 >=0.20	FNBP4 (4.3)	EDC4 (4.1)	NUDT21 (3.5)
0.37 >=0.20	FZD9 (3.7)	ENSG00000229043 (3	TSNAXIP1 (2.4)
0.37 >=0.20	SETD8 (4.0)	C12orf65 (2.5)	BAZ1B (2.5)
0.37 >=0.20	CSGALNACT1 (2.6)	MPP3 (2.5)	PDE3A (2.3)
0.37 >=0.20	TAGLN (3.4)	MACF1 (3.2)	MYO1H (2.9)
0.37 >=0.20	PCSK7 (4.2)	MTMR3 (3.7)	MADD (3.6)
0.37 >=0.20	ATG13 (3.7)	RANBP10 (3.7)	ARFGAP2 (3.5)
0.37 >=0.20	COQ9 (5.6)	PDHB (4.9)	NDUFS3 (4.1)
0.37 >=0.20	C17orf57 (3.4)	SPI1 (2.8)	LILRB2 (2.8)
0.37 >=0.20	FNBP4 (4.7)	NUDT21 (3.5)	NUP93 (3.3)
0.37 >=0.20	FNBP4 (4.4)	NUDT21 (3.9)	EDC4 (3.8)
0.37 >=0.20	PSMC3 (6.4)	MTCH2 (4.6)	PSMB10 (4.5)
0.37 >=0.20	CSGALNACT1 (3.4)	PSKH1 (3.4)	ST3GAL4 (3.4)
0.37 >=0.20	CYP26A1 (5.0)	HNF4A (3.5)	RSPO3 (2.7)
0.37 >=0.20	ETV5 (3.2)	PXK (2.7)	PGS1 (2.3)
0.37 >=0.20	PDHB (4.2)	RBM5 (3.3)	BCL7B (3.1)
0.37 >=0.20	SLC22A1 (5.1)	APOC4 (3.5)	LPA (3.2)
0.37 >=0.20	AMBRA1 (4.4)	AFF1 (3.8)	PACSIN3 (3.3)

0.37 >=0.20	DEPDC1 (7.7)	SKA1 (7.0)	CCDC18 (4.9)
0.37 >=0.20	PDHB (4.2)	PDIA3 (3.2)	SDF2L1 (3.0)
0.37 >=0.20	PITPNM2 (2.8)	ARID1A (2.6)	NFATC3 (2.6)
0.37 >=0.20	CCDC116 (2.5)	PLA2G6 (2.3)	GALNT2 (2.3)
0.37 >=0.20	PTPRJ (2.6)	ATG13 (2.4)	PSKH1 (2.3)
0.37 >=0.20	PGS1 (3.1)	CPNE2 (3.1)	TMED5 (2.8)
0.37 >=0.20	CXXC1 (3.4)	MFAP1 (3.1)	DR1 (3.0)
0.37 >=0.20	TRIB1 (4.0)	CITED2 (4.0)	MAFF (2.9)
0.37 >=0.20	KLHL8 (2.9)	PTPRJ (2.5)	CMIP (2.3)
0.37 >=0.20	MACF1 (3.2)	ARHGAP1 (3.1)	GPER (3.1)
0.37 >=0.20	PCIF1 (4.2)	MFAP1 (3.9)	ZNF408 (3.5)
0.37 >=0.20	GPIHBP1 (2.5)	RLTPR (2.4)	CES4A (2.3)
0.37 >=0.20	EPB42 (5.6)	RELB (3.5)	BCL3 (3.1)
0.37 >=0.20	GPN2 (4.3)	KBTBD4 (3.7)	CDK12 (3.6)
0.37 >=0.20	KCTD6 (4.3)	COQ9 (3.4)	PDHB (3.1)
0.37 >=0.20	KCTD6 (4.3)	COQ9 (3.4)	PDHB (3.1)
0.37 >=0.20	CMIP (2.5)	MADD (2.5)	MPP2 (2.5)
0.37 >=0.20	CSGALNACT1 (3.9)	ZNF613 (3.3)	PDE3A (2.8)
0.37 >=0.20	FZD9 (3.8)	TAGLN (3.5)	B3GNT9 (3.0)
0.37 >=0.20	RAB11B (3.9)	BCAM (3.8)	FHOD1 (3.3)
0.37 >=0.20	PLG (3.7)	SLC22A1 (3.4)	TRADD (3.3)
0.37 >=0.20	AFF1 (4.0)	ABCA1 (3.5)	RBM6 (2.8)
0.37 >=0.20	TGM5 (3.6)	SFN (2.9)	PTPRZ1 (2.1)
0.37 >=0.20	DCPS (2.8)	MT1H (2.8)	TOMM40 (2.8)
0.37 >=0.20	ATG13 (3.3)	SLC39A13 (3.1)	MYO1H (2.7)
0.37 >=0.20	REEP3 (4.5)	SNX13 (3.7)	C18orf32 (2.8)
0.37 >=0.20	UVRAG (3.6)	AFF1 (3.5)	MTMR3 (3.3)
0.37 >=0.20	DEPDC1 (7.5)	SKA1 (6.9)	CCDC18 (5.1)
0.37 >=0.20	CELF1 (2.8)	GFOD2 (2.7)	RSPRY1 (2.6)
0.37 >=0.20	SETD8 (2.8)	LRP4 (2.5)	RBM5 (2.3)
0.37 >=0.20	SFN (6.7)	TGM5 (4.8)	ESRP2 (3.6)
0.37 >=0.20	ARFGAP2 (4.1)	DEPDC1 (4.0)	CKAP5 (3.9)
0.37 >=0.20	OGFOD1 (3.4)	TOMM40 (3.2)	ZNF259 (2.7)
0.37 >=0.20	MVK (4.0)	MMAB (3.7)	SFN (3.1)
0.37 >=0.20	PSMC3 (4.5)	KPNB1 (3.6)	MTCH2 (3.3)
0.37 >=0.20	MTF2 (2.6)	ARID1A (2.5)	SIK3 (2.4)
0.37 >=0.20	MBD1 (3.4)	SLC9A5 (2.9)	EDC4 (2.7)
0.37 >=0.20	NUTF2 (3.7)	PSMC3 (2.8)	KPNB1 (2.8)
0.37 >=0.20	PLA2G6 (4.1)	CES4A (3.1)	PIGV (3.0)
0.37 >=0.20	CES4A (5.3)	SEC14L4 (3.5)	FADS2 (3.1)
0.37 >=0.20	DEPDC1 (7.8)	SKA1 (6.9)	CCDC18 (5.7)
0.37 >=0.20	CDK12 (3.9)	NCOA5 (3.8)	RBM5 (3.8)
0.37 >=0.20	PPY (6.6)	CTRL (4.0)	LILRA3 (3.7)
0.38 >=0.20	CSGALNACT1 (3.3)	GALNT2 (3.2)	ST3GAL4 (3.1)
0.38 >=0.20	PAFAH1B2 (2.7)	TRNP1 (2.6)	COBLL1 (2.3)
0.38 >=0.20	RBM6 (3.8)	FNBP4 (3.5)	BUD13 (3.5)
0.38 >=0.20	OR5I1 (3.6)	CD300LG (2.6)	ENSG00000181123 (2
0.38 >=0.20	HCAR1 (3.5)	DGKG (3.1)	MYO5B (3.1)
0.38 >=0.20	ARID1A (3.0)	NCOA5 (3.0)	BAZ1B (2.7)
0.38 >=0.20	C1orf172 (4.2)	ESRP2 (4.1)	MYO5B (3.9)

0.38 >=0.20	CCL17 (3.6)	CCL22 (2.8)	LILRA3 (2.6)
0.38 >=0.20	DPEP3 (4.7)	KCTD19 (3.2)	PLEKHG4 (3.0)
0.38 >=0.20	ARID1A (3.2)	NCOA5 (3.2)	HDAC5 (2.7)
0.38 >=0.20	NUP160 (3.7)	NUDT21 (3.4)	CTDSPL2 (3.0)
0.38 >=0.20	ABCA8 (3.3)	LRRC29 (2.9)	CSGALNACT1 (2.6)
0.38 >=0.20	FNBP4 (4.1)	RBM6 (3.8)	PCIF1 (3.5)
0.38 >=0.20	DR1 (3.6)	ZNF664 (3.3)	SETD8 (3.0)
0.38 >=0.20	DR1 (3.6)	ZNF664 (3.3)	SETD8 (3.0)
0.38 >=0.20	DR1 (3.6)	ZNF664 (3.3)	SETD8 (3.0)
0.38 >=0.20	C17orf57 (3.4)	MT1H (3.2)	TAGLN (2.4)
0.38 >=0.20	TMEM208 (4.5)	PDIA3 (3.6)	SDF2L1 (3.5)
0.38 >=0.20	MIEN1 (3.5)	NDUFS3 (3.5)	COX19 (3.3)
0.38 >=0.20	MIEN1 (3.5)	NDUFS3 (3.5)	COX19 (3.3)
0.38 >=0.20	PLA2G15 (5.1)	REEP3 (3.9)	TMEM175 (3.6)
0.38 >=0.20	FNBP4 (4.3)	RBM6 (3.3)	NUDT21 (3.2)
0.38 >=0.20	FNBP4 (4.0)	CXXC1 (3.7)	NUDT21 (3.4)
0.38 >=0.20	RELB (3.4)	IGF2R (3.0)	DDB2 (2.8)
0.38 >=0.20	SLC7A6OS (3.4)	SBNO1 (3.3)	ADAL (2.9)
0.38 >=0.20	CMIP (2.9)	EYA3 (2.8)	AFF1 (2.6)
0.38 >=0.20	MADD (2.9)	RLTPR (2.9)	MTMR3 (2.8)
0.38 >=0.20	JMJD1C (3.6)	ETV5 (3.3)	ARID1A (3.1)
0.38 >=0.20	MT1F (2.9)	CCDC18 (2.5)	MT1E (2.5)
0.38 >=0.20	KPNB1 (3.6)	NUP160 (3.5)	NUP93 (3.5)
0.38 >=0.20	MYO5B (2.7)	CX3CL1 (2.7)	CMIP (2.6)
0.38 >=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CKAP5 (5.1)
0.38 >=0.20	BAZ1B (3.9)	SBNO1 (3.5)	NFATC3 (3.1)
0.38 >=0.20	PSMC3 (5.9)	MTCH2 (5.0)	ZFAND2A (4.1)
0.38 >=0.20	NRBF2 (3.9)	KLHL8 (2.7)	DR1 (2.7)
0.38 >=0.20	NRBF2 (3.9)	KLHL8 (2.7)	DR1 (2.7)
0.38 >=0.20	NRBF2 (3.9)	KLHL8 (2.7)	DR1 (2.7)
0.38 >=0.20	DEPDC1 (7.7)	SKA1 (7.0)	CCDC18 (5.2)
0.38 >=0.20	RAPSN (2.8)	ARID1A (2.7)	PTPRZ1 (2.5)
0.38 >=0.20	EYA3 (3.1)	ZNF259 (2.9)	DYM (2.7)
0.38 >=0.20	MYO1H (4.9)	ENSG00000255507 (3	PSMB10 (2.6)
0.38 >=0.20	HDAC5 (3.2)	DYM (2.9)	DR1 (2.8)
0.38 >=0.20	TMED5 (4.2)	PLTP (4.0)	PLA2G15 (3.7)
0.38 >=0.20	FZD9 (4.2)	TRPS1 (3.8)	LRP4 (3.3)
0.38 >=0.20	SFN (3.4)	MAFF (2.7)	ARHGAP1 (2.6)
0.38 >=0.20	PNMT (4.3)	CITED2 (3.6)	STRC (3.3)
0.38 >=0.20	PLA2G6 (3.1)	GPAM (2.5)	TMED5 (2.5)
0.38 >=0.20	DEPDC1 (6.8)	SKA1 (6.2)	CKAP5 (5.1)
0.38 >=0.20	EPB42 (2.9)	HERPUD1 (2.7)	PDHB (2.4)
0.38 >=0.20	CYP2W1 (3.7)	C1orf172 (3.1)	SNX13 (3.0)
0.38 >=0.20	RELB (4.9)	DDB2 (3.9)	CBFB (3.5)
0.38 >=0.20	C1orf172 (3.4)	ESRP2 (3.4)	MACF1 (3.1)
0.38 >=0.20	EDC4 (3.9)	PCIF1 (3.5)	UBE2L3 (3.3)
0.38 >=0.20	TECTB (3.7)	TGM5 (3.3)	SEC14L4 (2.6)
0.38 >=0.20	FNBP4 (4.5)	NUDT21 (4.0)	EDC4 (3.7)
0.38 >=0.20	PLG (3.1)	TGM5 (3.0)	SEC14L4 (2.5)
0.38 >=0.20	KPNB1 (3.8)	TOMM40 (3.3)	NUP93 (3.2)

0.38 >=0.20	FNBP4 (4.6)	NUDT21 (3.6)	RBM6 (3.3)
0.38 >=0.20	ZNF259 (4.4)	C12orf43 (3.7)	SLC7A6OS (3.0)
0.38 >=0.20	MBD1 (5.1)	SNORD58C (4.4)	DYM (4.1)
0.38 >=0.20	EPB42 (4.0)	C12orf65 (3.3)	TTC39B (2.6)
0.38 >=0.20	PDHB (2.9)	NDUFS3 (2.9)	NUP93 (2.8)
0.38 >=0.20	FADS2 (2.6)	FADS1 (2.4)	VEGFA (2.3)
0.38 >=0.20	SPI1 (3.0)	OASL (2.6)	PSMB10 (2.6)
0.38 >=0.20	MMAB (6.7)	MVK (5.1)	CTRL (4.8)
0.39 >=0.20	PLA2G6 (3.4)	IGF2R (3.1)	PLA2G15 (2.9)
0.39 >=0.20	NCOA5 (2.9)	E2F4 (2.8)	LSM12 (2.7)
0.39 >=0.20	RAPSN (7.4)	TCAP (4.3)	PACSIN3 (3.3)
0.39 >=0.20	FNBP4 (3.6)	EDC4 (3.5)	RBM6 (3.2)
0.39 >=0.20	NPEPPS (3.4)	PSMC3 (3.1)	DYM (2.9)
0.39 >=0.20	GALNT2 (3.1)	BACE1 (3.1)	B3GNT9 (2.7)
0.39 >=0.20	DEPDC1 (7.5)	SKA1 (6.5)	CKAP5 (5.0)
0.39 >=0.20	RELB (2.9)	ZNF335 (2.8)	CKAP5 (2.7)
0.39 >=0.20	PPY (4.4)	PYY (3.8)	ENSG00000256746 (2
0.39 >=0.20	FNBP4 (3.9)	EDC4 (3.6)	NUDT21 (3.4)
0.39 >=0.20	SOST (4.6)	FZD9 (3.2)	LRP4 (3.1)
0.39 >=0.20	EYA3 (3.2)	ETV5 (2.4)	RAB11B (2.4)
0.39 >=0.20	SLC22A1 (4.2)	LPA (4.1)	SEC14L4 (3.8)
0.39 >=0.20	C17orf105 (2.7)	PTPMT1 (2.3)	NR0B2 (2.3)
0.39 >=0.20	CD300LG (3.5)	SPI1 (3.1)	GPER (2.7)
0.39 >=0.20	NCOA5 (3.8)	ARID1A (3.4)	SBNO1 (3.3)
0.39 >=0.20	PTPRZ1 (3.9)	TNKS (3.2)	CASC4 (2.7)
0.39 >=0.20	RAPSN (4.3)	GLUL (2.8)	CD300LG (2.3)
0.39 >=0.20	GNAO1 (3.3)	MPP2 (3.2)	MAP1A (3.2)
0.39 >=0.20	FNBP4 (5.3)	RBM6 (3.8)	NUDT21 (3.6)
0.39 >=0.20	HSF4 (2.7)	PTPRZ1 (2.2)	CYP26A1 (2.2)
0.39 >=0.20	UBE2L3 (2.9)	SKA1 (2.8)	MAFF (2.7)
0.39 >=0.20	NFATC3 (2.6)	CSGALNACT1 (2.4)	UVRAG (2.4)
0.39 >=0.20	ELMO3 (3.1)	PAFAH1B2 (2.9)	PTPRZ1 (2.9)
0.39 >=0.20	GPN2 (4.0)	C12orf43 (3.9)	ZNF259 (3.8)
0.39 >=0.20	DR1 (3.5)	TOMM40 (3.0)	ZNF614 (3.0)
0.39 >=0.20	UVRAG (2.8)	MTMR3 (2.5)	NFATC3 (2.5)
0.39 >=0.20	SLC12A3 (3.0)	GPER (3.0)	PLTP (2.5)
0.39 >=0.20	FNBP4 (4.4)	NUDT21 (3.4)	ACD (3.1)
0.39 >=0.20	FNBP4 (4.1)	NUDT21 (3.4)	NUP93 (3.3)
0.39 >=0.20	DUSP3 (2.6)	UBE2L3 (2.4)	PTPRJ (2.4)
0.39 >=0.20	MBD1 (4.6)	PCIF1 (3.2)	EDC4 (3.1)
0.39 >=0.20	SFN (4.1)	C1orf172 (2.6)	AMFR (2.5)
0.39 >=0.20	TRPS1 (4.2)	FZD9 (3.6)	SOST (3.1)
0.39 >=0.20	BCL3 (3.2)	TNKS (3.0)	RELB (2.9)
0.39 >=0.20	DEPDC1 (7.8)	SKA1 (6.1)	CKAP5 (5.6)
0.39 >=0.20	LILRB2 (2.7)	SNX10 (2.6)	OASL (2.3)
0.39 >=0.20	MYBPC3 (6.2)	TCAP (4.8)	FRMD5 (2.8)
0.39 >=0.20	CCL17 (4.1)	CCL22 (3.9)	DDB2 (3.1)
0.39 >=0.20	PNMT (4.7)	SCARB1 (3.5)	ST3GAL4 (3.3)
0.39 >=0.20	OASL (3.8)	FEN1 (3.2)	WDR76 (2.8)
0.39 >=0.20	JMJD1C (3.0)	NRBF2 (2.7)	RSPRY1 (2.7)

0.39	>=0.20	AMBRA1 (3.4)	PAFAH1B2 (3.3)	MTMR3 (3.1)
0.39	>=0.20	KLF14 (6.1)	ABCA8 (3.1)	PNMT (2.5)
0.39	>=0.20	PSMB10 (6.9)	TMEM208 (5.7)	NLRC5 (4.2)
0.39	>=0.20	ZNF259 (3.5)	NUP93 (3.3)	NUP160 (3.2)
0.39	>=0.20	MADD (3.5)	MTMR3 (2.9)	UVRAG (2.8)
0.39	>=0.20	UVRAG (3.7)	CD40 (3.0)	SPI1 (2.7)
0.39	>=0.20	OR5L2 (3.4)	ST3GAL4 (3.0)	MT1H (2.5)
0.39	>=0.20	TRADD (3.6)	PLA2G15 (3.3)	TBL2 (2.4)
0.39	>=0.20	PSMC3 (6.2)	PSMB10 (4.2)	MTCH2 (4.1)
0.39	>=0.20	PTPRZ1 (4.2)	LRP4 (3.6)	NFATC3 (3.3)
0.39	>=0.20	UBE3B (3.2)	MACF1 (3.1)	ESRP2 (2.9)
0.4	>=0.20	COBLL1 (2.7)	CCL22 (2.5)	BMP8A (2.4)
0.4	>=0.20	BUD13 (4.3)	KBTBD4 (4.2)	PCIF1 (4.0)
0.4	>=0.20	MYO5B (2.9)	MPP2 (2.7)	PITPNM2 (2.5)
0.4	>=0.20	PRMT7 (3.5)	TP53BP1 (3.4)	CKAP5 (3.3)
0.4	>=0.20	SPI1 (4.3)	LILRA3 (3.0)	LILRB2 (2.8)
0.4	>=0.20	C11orf9 (3.6)	RSPO3 (2.9)	VEGFA (2.7)
0.4	>=0.20	CELF1 (2.9)	CTDSPL2 (2.3)	LCMT2 (2.0)
0.4	>=0.20	MFAP1 (3.5)	NUP160 (3.2)	BUD13 (3.1)
0.4	>=0.20	GRB7 (3.6)	PGAP3 (2.8)	FBXL20 (2.6)
0.4	>=0.20	SETD8 (3.2)	NCOA5 (3.0)	THAP11 (3.0)
0.4	>=0.20	TOMM40 (3.7)	PSMC3 (3.4)	ZNF259 (3.3)
0.4	>=0.20	FNBP4 (4.2)	NUDT21 (3.7)	NUP93 (3.3)
0.4	>=0.20	DEPDC1 (8.2)	SKA1 (7.6)	CCDC18 (5.1)
0.4	>=0.20	SLC12A3 (3.6)	MYO5B (3.2)	ENSG00000179523 (2
0.4	>=0.20	SOST (4.6)	TRPS1 (2.7)	KCTD19 (2.2)
0.4	>=0.20	MACF1 (3.4)	SIK3 (3.0)	ZNF335 (2.9)
0.4	>=0.20	UVRAG (3.7)	PXK (3.4)	COBLL1 (3.3)
0.4	>=0.20	SMPD3 (3.3)	AMFR (3.1)	TP53BP1 (2.9)
0.4	>=0.20	MVK (3.7)	FADS1 (3.0)	GPN2 (2.9)
0.4	>=0.20	CES4A (5.2)	ENSG00000254235 (3	ENSG00000181123 (3
0.4	>=0.20	WDR76 (3.6)	NFATC3 (3.4)	INTS10 (3.3)
0.4	>=0.20	WDR76 (3.6)	NFATC3 (3.4)	INTS10 (3.3)
0.4	>=0.20	FNBP4 (4.2)	RBM6 (3.4)	SNORD58C (3.4)
0.4	>=0.20	MIEN1 (2.7)	PLA2G15 (2.6)	C18orf32 (2.5)
0.4	>=0.20	ARID1A (3.6)	BUD13 (3.0)	PCIF1 (2.7)
0.4	>=0.20	ABCB9 (3.8)	ENSG00000181123 (3	FRMD5 (2.9)
0.4	>=0.20	WDR76 (4.4)	SETD8 (4.0)	BCL7B (3.7)
0.4	>=0.20	SKA1 (6.3)	DEPDC1 (6.0)	FEN1 (5.8)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)

0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	NUP93 (2.9)	TOMM40 (2.6)	SBNO1 (2.6)
0.4	>=0.20	PPY (4.0)	CTRL (3.4)	CCL22 (3.2)
0.4	>=0.20	FNBP4 (4.0)	BUD13 (3.8)	CXXC1 (3.6)
0.4	>=0.20	ZNF335 (3.2)	MON1A (3.0)	RLTPR (2.6)
0.4	>=0.20	RAPSN (6.2)	ZNF615 (2.8)	KIAA0754 (2.8)
0.4	>=0.20	TNKS (3.7)	CCDC92 (2.9)	GNAO1 (2.8)
0.4	>=0.20	COQ9 (3.0)	MFAP1 (2.6)	SETD8 (2.6)
0.4	>=0.20	ELMO3 (5.4)	C1orf172 (5.2)	ESRP2 (5.0)
0.4	>=0.20	SNORD58C (3.4)	C12orf43 (2.6)	KPNB1 (2.6)
0.4	>=0.20	THAP11 (4.1)	SBNO1 (3.7)	RBM6 (3.1)
0.4	>=0.20	PNMT (3.3)	OR4A21P (2.0)	KLF14 (1.9)
0.4	>=0.20	GNAO1 (3.7)	MAP1A (3.2)	CELSR2 (3.1)
0.4	>=0.20	PSMC3 (5.9)	ZFAND2A (5.0)	MTCH2 (4.1)
0.4	>=0.20	NDUFS3 (5.2)	MTCH2 (4.4)	PTPMT1 (4.1)
0.4	>=0.20	C16orf48 (3.5)	C11orf49 (3.4)	TSNAXIP1 (2.4)
0.4	>=0.20	MED1 (2.8)	EDC4 (2.7)	CDK12 (2.6)
0.4	>=0.20	WDR76 (5.2)	DDB2 (4.9)	FEN1 (4.6)
0.4	>=0.20	DEPDC1 (6.4)	SKA1 (6.3)	FEN1 (5.4)
0.4	>=0.20	JMJD1C (4.5)	SIK3 (2.8)	PTPMT1 (2.6)
0.4	>=0.20	CCL22 (3.9)	CD40 (3.8)	CETP (2.8)
0.4	>=0.20	COQ9 (4.3)	PDHB (3.7)	MT1E (2.5)
0.4	>=0.20	SKA1 (3.9)	CCDC18 (3.8)	FEN1 (3.3)
0.4	>=0.20	MYBPC3 (3.9)	PDE3A (3.2)	CYP26A1 (2.9)
0.4	>=0.20	GPN2 (4.3)	NRBF2 (3.4)	KBTBD4 (3.4)
0.4	>=0.20	MACF1 (5.0)	TAGLN (3.6)	SFN (3.4)
0.4	>=0.20	NDUFS3 (4.7)	COQ9 (3.2)	PDHB (2.9)
0.4	>=0.20	CSGALNACT1 (3.4)	CCDC116 (3.2)	PDE3A (3.1)
0.4	>=0.20	DOK4 (3.6)	KIAA0895L (3.3)	NEUROD2 (3.0)
0.4	>=0.20	CTDSPL2 (2.8)	BAZ1B (2.8)	WDR76 (2.8)
0.4	>=0.20	DPEP3 (4.6)	C17orf105 (2.9)	BMP8A (2.4)
0.4	>=0.20	PAFAH1B2 (3.6)	PCSK7 (3.4)	AFF1 (3.3)
0.4	>=0.20	CLPTM1 (3.5)	ETV5 (3.3)	DPEP3 (3.1)
0.4	>=0.20	FNBP4 (3.8)	RBM6 (3.5)	PCIF1 (3.4)
0.4	>=0.20	GPN2 (3.8)	CDK12 (3.6)	NRBF2 (3.5)
0.4	>=0.20	ZNF615 (3.9)	ARID1A (3.5)	ZNF613 (3.3)
0.4	>=0.20	JMJD1C (4.8)	ARID1A (4.0)	PCIF1 (3.3)
0.4	>=0.20	LILRA3 (3.8)	LILRB2 (3.7)	SNX10 (2.9)
0.4	>=0.20	FNBP4 (4.3)	NUDT21 (3.5)	NUP93 (3.2)
0.4	>=0.20	OASL (9.3)	PSMB10 (3.8)	FNBP4 (3.3)
0.4	>=0.20	SDF2L1 (5.7)	PDIA3 (3.3)	TMED5 (3.0)
0.4	>=0.20	SPI1 (2.9)	PGS1 (2.7)	ST3GAL4 (2.6)
0.4	>=0.20	CTRL (8.6)	PPY (4.7)	NR0B2 (4.2)
0.4	>=0.20	KPNB1 (4.3)	FADS1 (2.4)	TNKS (2.4)
0.4	>=0.20	DEPDC1 (7.7)	SKA1 (7.1)	CKAP5 (4.9)
0.4	>=0.20	UBE3B (4.0)	SNX13 (3.3)	RANBP10 (2.7)
0.4	>=0.20	PNMT (4.1)	CITED2 (3.7)	TGM7 (2.8)
0.4	>=0.20	CYP26A1 (3.0)	PVRL2 (2.4)	UBE3B (2.3)
0.41	>=0.20	STRC (2.8)	GLUL (2.7)	C17orf105 (2.5)

0.41 >=0.20	SEC14L4 (2.9)	ACAA2 (2.8)	PLG (2.6)
0.41 >=0.20	PDIA3 (7.5)	SDF2L1 (6.4)	HERPUD1 (3.1)
0.41 >=0.20	DEPDC1 (7.4)	SKA1 (6.6)	CCDC18 (5.0)
0.41 >=0.20	NUP160 (3.7)	EDC4 (3.5)	NUDT21 (3.1)
0.41 >=0.20	C1orf172 (5.9)	SFN (5.2)	ESRP2 (4.2)
0.41 >=0.20	ARID1A (5.4)	BAZ1B (3.5)	CDK12 (3.1)
0.41 >=0.20	UBR1 (3.1)	NFATC3 (2.8)	CTDSPL2 (2.6)
0.41 >=0.20	CDK12 (3.1)	FBXL20 (2.8)	LSM12 (2.6)
0.41 >=0.20	YDJC (3.0)	NAGS (2.5)	HNF1A (2.2)
0.41 >=0.20	TCAP (3.0)	DEPDC1 (3.0)	CCDC18 (2.9)
0.41 >=0.20	CLPTM1 (4.6)	FNBP4 (3.6)	CELF1 (3.5)
0.41 >=0.20	DPEP3 (3.2)	ZNF613 (3.1)	CLPTM1 (3.1)
0.41 >=0.20	DDB2 (3.2)	WDR76 (2.6)	FRMD5 (2.4)
0.41 >=0.20	TGM7 (3.3)	KANK2 (2.4)	KCTD19 (2.3)
0.41 >=0.20	SLC39A13 (4.1)	ARHGAP1 (3.4)	B3GNT9 (3.4)
0.41 >=0.20	SLC12A3 (10.4)	CSGALNACT1 (2.5)	PLG (2.5)
0.41 >=0.20	NUP160 (3.8)	FAM192A (3.1)	CXXC1 (3.1)
0.41 >=0.20	DPEP3 (2.8)	C17orf57 (2.4)	MST1R (2.3)
0.41 >=0.20	CYP26A1 (3.0)	PVRL2 (2.4)	ERBB2 (2.2)
0.41 >=0.20	CD40 (4.0)	RELB (3.9)	SPI1 (3.6)
0.41 >=0.20	TRIB1 (7.1)	MAFF (6.7)	CITED2 (5.3)
0.41 >=0.20	DUSP3 (3.5)	C18orf32 (3.4)	MIEN1 (2.9)
0.41 >=0.20	SFN (5.6)	TGM5 (4.3)	C1orf172 (3.1)
0.41 >=0.20	OR5L2 (2.9)	RSPRY1 (2.5)	GPER (2.5)
0.41 >=0.20	GNAO1 (3.3)	MPP2 (3.1)	MAP1A (3.0)
0.41 >=0.20	BUD13 (3.2)	RBPJ (3.2)	CXXC1 (3.1)
0.41 >=0.20	PLEKHG4 (3.0)	TTC39B (2.7)	TRPS1 (2.7)
0.41 >=0.20	CDK12 (4.8)	MED1 (3.6)	LSM12 (3.3)
0.41 >=0.20	MPHOSPH9 (3.1)	MTF2 (2.6)	FEN1 (2.5)
0.41 >=0.20	PIGV (4.5)	KBTBD4 (3.6)	AMFR (3.3)
0.41 >=0.20	KLF14 (4.1)	SEC14L4 (2.9)	ST3GAL4 (2.9)
0.41 >=0.20	NFATC3 (4.2)	E2F4 (3.8)	RSPRY1 (3.4)
0.41 >=0.20	MT1F (3.5)	MT1G (3.4)	MT1M (3.3)
0.41 >=0.20	PPY (5.6)	PYY (5.1)	ABCB9 (3.1)
0.41 >=0.20	CYP26A1 (2.7)	MED1 (2.4)	MT1M (2.3)
0.41 >=0.20	SLC12A3 (8.7)	HNF4A (4.3)	SLC22A1 (2.8)
0.41 >=0.20	RELB (6.3)	BCL3 (3.8)	CD40 (3.6)
0.41 >=0.20	GPN2 (4.7)	MIEN1 (4.5)	PGAP3 (4.1)
0.41 >=0.20	TRPS1 (3.0)	SOST (2.5)	RSPO3 (2.4)
0.41 >=0.20	ARID1A (4.2)	CELF1 (3.7)	SBNO1 (3.5)
0.41 >=0.20	ARID1A (4.2)	CELF1 (3.7)	SBNO1 (3.5)
0.41 >=0.20	OASL (6.0)	NLRC5 (3.3)	FPR3 (2.4)
0.41 >=0.20	FZD9 (4.7)	TRPS1 (3.6)	CITED2 (3.2)
0.41 >=0.20	FNBP4 (3.8)	EDC4 (3.6)	NUDT21 (3.4)
0.41 >=0.20	NLRC5 (8.9)	ELMO3 (2.7)	PSMB10 (2.5)
0.41 >=0.20	RBM6 (3.8)	NFATC3 (3.5)	E2F4 (3.1)
0.41 >=0.20	MACF1 (3.2)	SIK3 (2.9)	C11orf9 (2.9)
0.41 >=0.20	SLC7A6 (3.8)	CIAPIN1 (3.8)	AMFR (3.4)
0.41 >=0.20	KIAA0754 (2.2)	RAB11B (2.2)	PAFAH1B2 (2.1)
0.41 >=0.20	MAP1A (3.1)	SOST (3.0)	LIPG (3.0)

0.41 >=0.20	FNBP4 (5.9)	RBM5 (5.1)	RBM6 (3.9)
0.41 >=0.20	C17orf57 (3.4)	MT1H (2.6)	PNMT (2.2)
0.41 >=0.20	MYBPC3 (5.7)	PDE3A (3.6)	CCDC92 (3.6)
0.41 >=0.20	SEC14L4 (4.9)	APOC1 (3.9)	SLC22A1 (3.7)
0.41 >=0.20	FNBP4 (4.6)	RBM6 (3.5)	NUDT21 (3.1)
0.41 >=0.20	TAGLN (4.6)	APOE (2.9)	IGF2R (2.6)
0.41 >=0.20	SDF2L1 (7.3)	PDIA3 (4.2)	C18orf32 (3.4)
0.41 >=0.20	PPY (8.6)	PYY (3.9)	MLXIPL (3.3)
0.41 >=0.20	TP53BP1 (3.4)	MED1 (2.9)	UBR1 (2.9)
0.41 >=0.20	EDC4 (3.7)	GPN2 (3.5)	CELF1 (3.1)
0.41 >=0.20	FNBP4 (4.4)	NUDT21 (3.8)	EDC4 (3.3)
0.41 >=0.20	FHOD1 (3.3)	CBFB (3.1)	MON1A (2.8)
0.41 >=0.20	LPA (4.6)	SLC22A1 (4.2)	NAGS (3.7)
0.41 >=0.20	LPA (4.6)	SLC22A1 (4.2)	NAGS (3.7)
0.42 >=0.20	ELMO3 (4.0)	SLC7A6OS (3.0)	TRADD (2.9)
0.42 >=0.20	SPI1 (3.0)	CD40 (2.9)	COBLL1 (2.9)
0.42 >=0.20	JMJD1C (3.2)	PGS1 (2.4)	NPEPPS (2.3)
0.42 >=0.20	RBM6 (3.4)	FAM192A (3.3)	KBTBD4 (3.1)
0.42 >=0.20	FZD9 (7.0)	MVK (4.0)	FADS2 (3.5)
0.42 >=0.20	SFN (8.1)	ESRP2 (5.0)	C1orf172 (4.4)
0.42 >=0.20	BCAM (3.8)	ARID1A (3.2)	TBKBP1 (2.7)
0.42 >=0.20	C16orf86 (3.3)	ENSG00000255507 (3	HNF1A (2.8)
0.42 >=0.20	DEPDC1 (8.4)	SKA1 (7.5)	CCDC18 (5.2)
0.42 >=0.20	PLA2G15 (3.7)	ABHD6 (3.6)	TMEM62 (3.6)
0.42 >=0.20	PTPRZ1 (2.9)	LRP4 (2.7)	ENSG00000254235 (2
0.42 >=0.20	TOMM40 (3.8)	ZNF259 (3.4)	MED1 (2.9)
0.42 >=0.20	RELB (2.7)	MFAP1 (2.5)	PAFAH1B2 (2.4)
0.42 >=0.20	CYP26A1 (4.2)	LRP4 (3.8)	PTPRZ1 (3.1)
0.42 >=0.20	SFN (8.6)	C1orf172 (4.7)	BCAM (3.9)
0.42 >=0.20	CMIP (2.6)	CKAP5 (2.4)	KANK2 (2.4)
0.42 >=0.20	PSMC3 (5.4)	MTCH2 (4.0)	NUP93 (3.9)
0.42 >=0.20	ZNF613 (3.8)	ST3GAL4 (2.3)	CD36 (2.3)
0.42 >=0.20	LRP4 (3.7)	SIDT2 (2.5)	APOE (2.4)
0.42 >=0.20	CYP26A1 (3.0)	DNAH10 (2.2)	LPL (2.1)
0.42 >=0.20	CCL22 (3.5)	UVRAG (2.9)	TTC39B (2.8)
0.42 >=0.20	CTRL (3.6)	HCAR1 (2.5)	PPY (2.5)
0.42 >=0.20	CTRL (3.6)	HCAR1 (2.5)	PPY (2.5)
0.42 >=0.20	KCTD10 (2.6)	UVRAG (2.6)	OR5J2 (2.3)
0.42 >=0.20	DEPDC1 (7.1)	SKA1 (6.1)	CKAP5 (5.0)
0.42 >=0.20	DEPDC1 (8.1)	SKA1 (7.4)	CKAP5 (4.9)
0.42 >=0.20	KCTD10 (3.3)	RAB11B (2.9)	CPNE2 (2.7)
0.42 >=0.20	FZD9 (3.9)	ENSG00000229043 (3	KLF14 (2.9)
0.42 >=0.20	GPIHBP1 (4.7)	NR1H3 (2.7)	CD300LG (2.7)
0.42 >=0.20	TSNAXIP1 (3.6)	CCDC11 (2.5)	OR4A21P (2.5)
0.42 >=0.20	PSMC3 (6.0)	ZFAND2A (4.3)	MTCH2 (3.7)
0.42 >=0.20	PSMC3 (6.3)	ZFAND2A (4.7)	MTCH2 (4.7)
0.42 >=0.20	BUD13 (4.8)	ZNF259 (4.3)	MFAP1 (3.8)
0.42 >=0.20	SNX10 (3.4)	UVRAG (3.4)	CCL22 (3.3)
0.42 >=0.20	TMEM62 (3.3)	STRC (2.8)	TMEM175 (2.7)
0.42 >=0.20	ELMO3 (6.7)	C1orf172 (6.5)	ESRP2 (5.5)

0.42	>=0.20	KANK2 (2.9)	SNORD58C (2.6)	ENSG00000226645 (2
0.42	>=0.20	C11orf9 (4.5)	ETV5 (2.6)	CYP26A1 (2.4)
0.42	>=0.20	FNBP4 (3.3)	ZNF335 (3.3)	CXXC1 (2.9)
0.42	>=0.20	PSMC3 (6.3)	MTCH2 (5.0)	PSMB10 (4.0)
0.42	>=0.20	ARID1A (3.3)	BAZ1B (2.9)	CXXC1 (2.8)
0.42	>=0.20	DEPDC1 (7.4)	SKA1 (6.4)	CKAP5 (4.8)
0.42	>=0.20	APOC4 (2.7)	PTPRZ1 (2.5)	YDJC (2.4)
0.42	>=0.20	SNORD58C (4.1)	GLUL (3.5)	NOL3 (3.0)
0.42	>=0.20	SKA1 (3.1)	FEN1 (2.7)	TOMM40 (2.7)
0.42	>=0.20	C17orf105 (2.7)	STRC (2.4)	C17orf57 (2.4)
0.42	>=0.20	SPI1 (3.1)	CPNE2 (2.9)	BCL3 (2.8)
0.42	>=0.20	MYBPC3 (5.6)	BMP8A (3.5)	BCAM (2.9)
0.42	>=0.20	MTMR3 (4.2)	PCSK7 (4.0)	AFF1 (3.4)
0.42	>=0.20	MACF1 (3.2)	SIK3 (3.0)	ZNF335 (3.0)
0.42	>=0.20	CDK12 (6.6)	MED1 (5.4)	ERBB2 (4.9)
0.42	>=0.20	KPNB1 (3.6)	SBNO1 (3.4)	PDIA3 (2.7)
0.42	>=0.20	KIAA0754 (4.2)	KCTD10 (2.6)	BCL7B (2.6)
0.42	>=0.20	RBM6 (2.7)	INTS10 (2.7)	NUP160 (2.7)
0.42	>=0.20	MTMR3 (3.9)	GPER (3.1)	CBFB (3.1)
0.42	>=0.20	SPRYD5 (4.3)	FPR3 (3.5)	SPI1 (2.8)
0.42	>=0.20	NCOA5 (3.4)	DR1 (3.0)	ARID1A (2.7)
0.42	>=0.20	APOA4 (5.3)	APOC3 (4.3)	APOA1 (3.9)
0.42	>=0.20	ZDHHC18 (2.7)	CCL22 (2.7)	RLTPR (2.6)
0.42	>=0.20	CX3CL1 (4.0)	DGKG (3.5)	SPI1 (3.0)
0.42	>=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CKAP5 (5.0)
0.42	>=0.20	PCSK7 (3.4)	AFF1 (3.3)	UVRAG (3.2)
0.42	>=0.20	UBR1 (3.5)	UBE2L3 (3.1)	MPP3 (2.9)
0.42	>=0.20	BCL7B (3.4)	THAP11 (3.0)	NUP160 (2.9)
0.42	>=0.20	C18orf32 (3.5)	CLPTM1 (2.6)	SIDT2 (2.3)
0.42	>=0.20	INTS10 (2.7)	SLC7A6OS (2.5)	FEN1 (2.5)
0.42	>=0.20	NLRC5 (7.2)	PSMB10 (6.6)	PSMC3 (5.5)
0.42	>=0.20	THAP11 (4.0)	BCL7B (3.7)	MTF2 (3.0)
0.42	>=0.20	NR1H3 (2.7)	HNF4A (2.5)	DOK4 (2.3)
0.42	>=0.20	CBFB (2.9)	ARID1A (2.8)	ETV5 (2.7)
0.42	>=0.20	SPRYD5 (3.7)	C12orf65 (3.1)	CCDC116 (2.5)
0.42	>=0.20	YDJC (4.3)	TRADD (3.5)	NUDT21 (2.8)
0.42	>=0.20	NEUROD2 (6.0)	CXXC1 (3.3)	PPY (3.1)
0.42	>=0.20	PDE3A (3.0)	ST3GAL4 (2.9)	CD36 (2.8)
0.42	>=0.20	NUDT21 (3.8)	EDC4 (3.7)	FNBP4 (3.7)
0.42	>=0.20	CX3CL1 (4.5)	FHOD1 (3.2)	DOK4 (2.9)
0.42	>=0.20	CX3CL1 (4.5)	FHOD1 (3.2)	DOK4 (2.9)
0.42	>=0.20	CX3CL1 (4.5)	FHOD1 (3.2)	DOK4 (2.9)
0.42	>=0.20	PDIA3 (6.8)	SDF2L1 (5.6)	CLPTM1 (3.9)
0.42	>=0.20	SDF2L1 (8.8)	PDIA3 (6.8)	ATG13 (3.8)
0.42	>=0.20	SPG11 (4.3)	PRMT7 (3.6)	UBR1 (3.2)
0.42	>=0.20	ENSG00000229043 (3	NCOA5 (3.3)	SNORD58C (2.6)
0.42	>=0.20	HNF1A (3.3)	C16orf86 (3.2)	ENSG00000255507 (2
0.42	>=0.20	GPN2 (4.2)	CDK12 (3.3)	NRBF2 (3.2)
0.42	>=0.20	NEUROD2 (3.5)	CX3CL1 (3.1)	GNAO1 (2.9)
0.43	>=0.20	MYBPC3 (7.0)	TCAP (5.8)	FRMD5 (4.5)

0.43	>=0.20	FNBP4 (4.0)	RBM6 (3.7)	NUP93 (2.9)
0.43	>=0.20	ETV5 (2.7)	EXOC3L1 (2.6)	SLC12A4 (2.3)
0.43	>=0.20	CCNDBP1 (2.5)	DUSP3 (2.3)	GPR146 (2.1)
0.43	>=0.20	FNBP4 (4.3)	NUDT21 (3.5)	NUP93 (3.1)
0.43	>=0.20	PSMC3 (6.5)	PSMB10 (4.8)	TMEM208 (4.5)
0.43	>=0.20	PCSK7 (3.8)	MTMR3 (3.2)	UVRAG (3.1)
0.43	>=0.20	RAB11B (3.3)	RELB (3.2)	ARHGAP1 (2.7)
0.43	>=0.20	OASL (5.0)	MPHOSPH9 (2.3)	PCIF1 (2.1)
0.43	>=0.20	MTMR3 (3.1)	UBR1 (3.0)	PCSK7 (2.9)
0.43	>=0.20	PDIA3 (3.8)	TOMM40 (2.9)	PSMC3 (2.9)
0.43	>=0.20	PDE3A (3.4)	PYY (3.0)	CSGALNACT1 (2.9)
0.43	>=0.20	LRP4 (3.4)	PTPRZ1 (3.0)	NEUROD2 (2.6)
0.43	>=0.20	SDF2L1 (6.0)	PDIA3 (5.3)	HERPUD1 (4.0)
0.43	>=0.20	PAFAH1B2 (3.7)	BCL7B (2.9)	BUD13 (2.8)
0.43	>=0.20	PDIA3 (3.6)	KPNB1 (3.1)	PSMB10 (2.9)
0.43	>=0.20	PSMC3 (6.4)	PSMB10 (5.1)	MTCH2 (4.3)
0.43	>=0.20	CDK12 (4.0)	RBM5 (3.9)	NCOA5 (3.8)
0.43	>=0.20	EDC4 (3.5)	PRMT7 (3.2)	NUP93 (3.2)
0.43	>=0.20	TCAP (6.6)	MYBPC3 (6.4)	PACSIN3 (3.6)
0.43	>=0.20	PSMC3 (5.8)	ZFAND2A (4.4)	PSMB10 (3.9)
0.43	>=0.20	DEPDC1 (8.2)	SKA1 (7.5)	CKAP5 (5.1)
0.43	>=0.20	OR5I1 (3.7)	ENSG00000247445 (3	ST3GAL4 (2.7)
0.43	>=0.20	PCSK7 (3.3)	UBE3B (3.1)	UBE2L3 (2.9)
0.43	>=0.20	NEUROD2 (4.0)	BACE1 (3.2)	DGKG (2.8)
0.43	>=0.20	MACF1 (3.7)	ARHGAP1 (3.6)	ETV5 (3.5)
0.43	>=0.20	HERPUD1 (4.7)	ABHD6 (2.4)	SLC12A3 (2.3)
0.43	>=0.20	PLA2G15 (2.6)	ENSG00000254235 (2	PVRL2 (2.2)
0.43	>=0.20	AGBL2 (3.1)	CX3CL1 (2.9)	PNMT (2.5)
0.43	>=0.20	CD40 (5.0)	RELB (4.9)	SPI1 (4.1)
0.43	>=0.20	ABCA8 (3.9)	PLTP (2.8)	B3GNT9 (2.7)
0.43	>=0.20	OASL (10.1)	RELB (4.4)	CD40 (3.6)
0.43	>=0.20	FNBP4 (4.7)	RBM6 (3.4)	NUDT21 (3.3)
0.43	>=0.20	CELF1 (3.0)	UVRAG (2.7)	NFATC3 (2.7)
0.43	>=0.20	ZNF259 (4.6)	TOMM40 (3.3)	PRMT7 (3.3)
0.43	>=0.20	CCL17 (3.3)	CCL22 (3.1)	BMP8A (2.6)
0.43	>=0.20	DGKG (4.7)	NEUROD2 (3.2)	CX3CL1 (3.2)
0.43	>=0.20	CCL22 (5.4)	CCL17 (3.3)	CD40 (3.1)
0.43	>=0.20	NLRC5 (10.5)	SDF2L1 (7.3)	PDIA3 (5.3)
0.43	>=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CCDC18 (5.2)
0.43	>=0.20	INTS10 (3.8)	GPN2 (2.9)	CXXC1 (2.9)
0.43	>=0.20	DEPDC1 (8.2)	SKA1 (7.6)	CCDC18 (5.1)
0.43	>=0.20	PDIA3 (7.2)	SDF2L1 (6.0)	CELSR2 (4.2)
0.43	>=0.20	GNAO1 (3.4)	MPP2 (3.3)	NEUROD2 (3.2)
0.43	>=0.20	SFN (5.6)	MST1R (5.0)	C1orf172 (4.5)
0.43	>=0.20	SDF2L1 (5.7)	PDIA3 (4.3)	TBL2 (4.0)
0.43	>=0.20	C12orf65 (2.2)	PIGV (1.9)	DPEP3 (1.9)
0.43	>=0.20	C1orf172 (6.3)	ELMO3 (5.8)	ESRP2 (4.7)
0.43	>=0.20	PSMB10 (3.0)	BCL3 (3.0)	RELB (2.9)
0.43	>=0.20	ENSG00000226645 (3	UVRAG (2.7)	ZNF335 (2.5)
0.43	>=0.20	HSF4 (3.2)	PITPNM2 (3.2)	CX3CL1 (2.8)

0.43 >=0.20	SPG11 (4.1)	BBS2 (3.8)	PRMT7 (3.5)
0.43 >=0.20	FNBP4 (4.3)	NUDT21 (3.4)	RBM6 (3.2)
0.43 >=0.20	CELF1 (3.8)	NUP160 (3.8)	TNKS (3.6)
0.43 >=0.20	RSPRY1 (3.4)	DPEP3 (3.2)	PAFAH1B2 (3.1)
0.43 >=0.20	EXOC3L1 (4.1)	GPIHBP1 (3.6)	OR5J2 (3.4)
0.43 >=0.20	FNBP4 (4.3)	RBM6 (3.4)	SIK3 (3.3)
0.43 >=0.20	TOMM40 (3.1)	ZNF259 (3.0)	SNORD58C (2.9)
0.43 >=0.20	TECTB (4.3)	ENSG00000182109 (2	HNF1A (2.4)
0.43 >=0.20	FNBP4 (3.4)	RBM6 (3.3)	NUP93 (3.2)
0.43 >=0.20	OASL (14.4)	NLRC5 (6.1)	PSMB10 (4.7)
0.43 >=0.20	MYO1H (3.8)	ZNF614 (2.9)	GFOD2 (2.8)
0.43 >=0.20	TMEM62 (3.1)	BCAM (3.0)	VEGFA (2.8)
0.43 >=0.20	RLTPR (3.4)	PITPNM2 (2.9)	DDB2 (2.7)
0.43 >=0.20	DDB2 (2.5)	ST3GAL4 (2.2)	AGBL2 (2.2)
0.43 >=0.20	MACF1 (3.6)	KCTD10 (3.3)	TAGLN (2.9)
0.43 >=0.20	CETP (3.9)	TAGLN (3.4)	FHOD1 (2.7)
0.43 >=0.20	NUDT21 (3.7)	GALNT2 (3.2)	CBFB (3.0)
0.43 >=0.20	MTCH2 (2.9)	COQ9 (2.8)	PDHB (2.2)
0.43 >=0.20	TCAP (3.6)	PPP1R1B (2.8)	C1QTNF4 (2.6)
0.43 >=0.20	PSMC3 (6.5)	PSMB10 (4.6)	TMEM208 (4.3)
0.43 >=0.20	CTRL (7.0)	TCAP (2.9)	UBE3B (2.4)
0.43 >=0.20	DEPDC1 (8.1)	SKA1 (7.1)	CCDC18 (5.1)
0.44 >=0.20	MYBPC3 (4.2)	TCAP (3.3)	DOK4 (3.0)
0.44 >=0.20	LPA (4.6)	SLC22A1 (4.3)	NAGS (3.7)
0.44 >=0.20	DEPDC1 (8.2)	SKA1 (7.2)	CKAP5 (5.3)
0.44 >=0.20	CYP26A1 (3.2)	SPRYD5 (2.4)	TSNAXIP1 (2.2)
0.44 >=0.20	FNBP4 (3.8)	NUDT21 (3.6)	CXXC1 (3.5)
0.44 >=0.20	DOK4 (3.8)	UBE2L3 (3.8)	KCTD10 (3.7)
0.44 >=0.20	JMJD1C (3.7)	SIK3 (3.1)	HERPUD1 (3.0)
0.44 >=0.20	KPNB1 (2.7)	SNORD58C (2.6)	TOMM40 (2.4)
0.44 >=0.20	ENSG00000256746 (3	CCL17 (2.7)	PPY (2.1)
0.44 >=0.20	CIAPIN1 (4.0)	EDC4 (3.8)	FAM192A (3.5)
0.44 >=0.20	FNBP4 (4.2)	NUP93 (3.4)	NUDT21 (2.9)
0.44 >=0.20	LILRB2 (3.3)	LILRA3 (3.2)	CCL22 (2.7)
0.44 >=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CKAP5 (5.1)
0.44 >=0.20	CD40 (2.3)	OR5L2 (2.2)	NRBF2 (2.1)
0.44 >=0.20	KBTBD4 (3.5)	ZNF350 (3.3)	RSPRY1 (3.2)
0.44 >=0.20	SLC7A6OS (3.8)	MED1 (2.9)	E2F4 (2.9)
0.44 >=0.20	PNMT (3.7)	NR0B2 (3.3)	ABCA8 (3.1)
0.44 >=0.20	PGS1 (2.4)	AFF1 (2.2)	CCDC116 (2.0)
0.44 >=0.20	CIAPIN1 (4.9)	NUTF2 (4.0)	PRMT7 (4.0)
0.44 >=0.20	ETV5 (2.7)	KLF14 (2.6)	LIPG (2.6)
0.44 >=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CCDC18 (5.1)
0.44 >=0.20	CMIP (2.7)	UVRAG (2.5)	MACF1 (2.4)
0.44 >=0.20	PDE3A (3.0)	ST3GAL4 (3.0)	SCARB1 (3.0)
0.44 >=0.20	RSPO3 (2.7)	CYP26A1 (2.7)	PDE3A (2.6)
0.44 >=0.20	CLPTM1 (4.1)	ARHGAP1 (3.4)	E2F4 (3.3)
0.44 >=0.20	MON1A (2.8)	ZNF259 (2.4)	TUBGCP4 (2.4)
0.44 >=0.20	ZNF259 (5.3)	TOMM40 (3.9)	EIF3J (3.8)
0.44 >=0.20	PSMC3 (5.9)	PSMB10 (4.6)	TMEM208 (4.2)

0.44 >=0.20	FNBP4 (4.4)	EDC4 (2.9)	ARFGAP2 (2.9)
0.44 >=0.20	RELB (5.8)	BCL3 (4.9)	NCOA5 (3.5)
0.44 >=0.20	SFN (4.8)	ELMO3 (4.6)	ABCA8 (4.2)
0.44 >=0.20	FZD9 (4.1)	B3GNT9 (3.7)	TAGLN (3.6)
0.44 >=0.20	DEPDC1 (5.9)	SKA1 (4.4)	CENPT (3.8)
0.44 >=0.20	ETV5 (5.1)	DGKG (3.0)	GRB7 (2.8)
0.44 >=0.20	NCOA5 (3.7)	BAZ1B (2.8)	ENSG00000256746 (2
0.44 >=0.20	EIF3J (3.7)	CCNDBP1 (3.3)	COX19 (3.0)
0.44 >=0.20	FPR3 (3.4)	SPI1 (3.3)	ETV5 (3.3)
0.44 >=0.20	TRIB1 (4.6)	TRPS1 (4.1)	CITED2 (3.0)
0.44 >=0.20	VEGFA (3.6)	ABCA1 (3.4)	RSPO3 (3.2)
0.44 >=0.20	MST1R (3.3)	DOCK6 (3.3)	C1orf172 (3.2)
0.44 >=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CCDC18 (5.1)
0.44 >=0.20	ARID1A (3.1)	CYP26A1 (2.7)	RSPO3 (2.4)
0.44 >=0.20	SPI1 (3.6)	CETP (2.9)	ZNF664 (2.8)
0.44 >=0.20	SNX13 (5.4)	RAB11B (2.8)	ZFAND2A (2.3)
0.44 >=0.20	MFAP1 (3.2)	NUDT21 (3.1)	SBNO1 (3.0)
0.44 >=0.20	AMBRA1 (4.2)	DDX28 (3.3)	ZNF335 (3.2)
0.44 >=0.20	PNMT (2.5)	PDE3A (2.3)	ZNF614 (2.3)
0.44 >=0.20	PLA2G15 (3.5)	LRRC29 (2.9)	CCDC116 (2.8)
0.44 >=0.20	KCTD10 (2.8)	PITPNM2 (2.8)	FHOD1 (2.7)
0.44 >=0.20	PDHB (5.6)	NDUFS3 (5.4)	COQ9 (4.5)
0.44 >=0.20	LPA (4.5)	APOC4 (4.2)	NAGS (3.9)
0.44 >=0.20	FNBP4 (4.1)	NUDT21 (3.8)	EDC4 (3.2)
0.44 >=0.20	OR5J2 (2.8)	TBKBP1 (2.3)	FHOD1 (2.3)
0.44 >=0.20	LILRB2 (3.4)	LILRA3 (3.3)	CCL22 (2.7)
0.44 >=0.20	BCL7B (3.3)	BAZ1B (2.7)	ZFAND2A (2.5)
0.44 >=0.20	PTPRZ1 (3.4)	MAFF (3.0)	TRIB1 (2.8)
0.44 >=0.20	CBFB (3.4)	RELB (3.3)	UVRAG (3.3)
0.44 >=0.20	RAPSN (3.6)	DOCK6 (3.2)	IGF2R (3.0)
0.44 >=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CCDC18 (5.1)
0.44 >=0.20	EPB42 (4.6)	FADS2 (3.3)	RANBP10 (3.1)
0.44 >=0.20	SETD8 (3.0)	ARID1A (2.8)	BAZ1B (2.5)
0.44 >=0.20	SETD8 (3.0)	ARID1A (2.8)	BAZ1B (2.5)
0.44 >=0.20	PSMC3 (7.1)	MTCH2 (4.9)	TOMM40 (4.2)
0.44 >=0.20	PNMT (3.7)	KLF14 (3.5)	LILRA3 (3.4)
0.44 >=0.20	GPIHBP1 (3.0)	ST3GAL4 (2.8)	ZNF613 (2.6)
0.44 >=0.20	CITED2 (3.0)	RSPRY1 (2.9)	UBE2L3 (2.8)
0.44 >=0.20	RBM6 (5.0)	FNBP4 (4.6)	RBM5 (4.0)
0.44 >=0.20	EDC4 (3.4)	NUP160 (3.2)	UBR1 (3.1)
0.45 >=0.20	TRPS1 (4.5)	CYP26A1 (2.7)	PTPRZ1 (2.5)
0.45 >=0.20	ZNF613 (3.1)	MADD (2.9)	CMIP (2.6)
0.45 >=0.20	SDF2L1 (6.1)	PDIA3 (4.8)	TMED5 (4.3)
0.45 >=0.20	FNBP4 (3.8)	CXXC1 (3.7)	BUD13 (3.5)
0.45 >=0.20	GRB7 (3.2)	ENSG00000229043 (2	C1orf172 (2.3)
0.45 >=0.20	GPIHBP1 (5.0)	DOCK6 (3.1)	MBD1 (3.1)
0.45 >=0.20	ACD (3.8)	CXXC1 (3.5)	SKA1 (3.0)
0.45 >=0.20	AGBL2 (2.8)	CCDC11 (2.6)	RBM6 (2.5)
0.45 >=0.20	SFN (5.2)	TGM5 (3.1)	ESRP2 (2.9)
0.45 >=0.20	FZD9 (4.7)	TRPS1 (4.4)	CYP26A1 (3.6)

0.45 >=0.20	CCL22 (2.9)	ZDHHC18 (2.8)	CCL17 (2.5)
0.45 >=0.20	RELB (4.4)	TMEM208 (4.0)	BCL3 (3.2)
0.45 >=0.20	NLRC5 (7.6)	PSMB10 (4.7)	CD40 (3.6)
0.45 >=0.20	DEPDC1 (8.5)	SKA1 (7.5)	CCDC18 (5.2)
0.45 >=0.20	NUDT21 (3.9)	ACD (3.6)	NUP160 (3.5)
0.45 >=0.20	DEPDC1 (8.2)	SKA1 (7.3)	CCDC18 (5.0)
0.45 >=0.20	DEPDC1 (8.1)	SKA1 (7.3)	CCDC18 (5.1)
0.45 >=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CCDC18 (5.2)
0.45 >=0.20	CCL22 (6.1)	CCL17 (5.6)	CD40 (5.5)
0.45 >=0.20	CETP (2.4)	PVRL2 (2.2)	GPR146 (2.2)
0.45 >=0.20	NLRC5 (2.9)	PSMB10 (2.5)	LILRB2 (2.4)
0.45 >=0.20	NLRC5 (2.9)	PSMB10 (2.5)	LILRB2 (2.4)
0.45 >=0.20	NLRC5 (3.0)	LILRB2 (3.0)	ACP2 (2.9)
0.45 >=0.20	SMPD3 (4.1)	SLC39A13 (3.8)	PTPRZ1 (3.2)
0.45 >=0.20	TECTB (3.6)	TGM5 (3.3)	SEC14L4 (2.6)
0.45 >=0.20	NLRC5 (6.4)	CCL22 (4.9)	CD40 (4.2)
0.45 >=0.20	TMED5 (4.0)	FADS1 (4.0)	G6PC3 (3.8)
0.45 >=0.20	DEPDC1 (3.9)	CCDC18 (3.4)	SKA1 (2.8)
0.45 >=0.20	C1orf172 (5.8)	ELMO3 (5.6)	ESRP2 (5.0)
0.45 >=0.20	RELB (3.3)	LILRA3 (2.9)	DUS2L (2.8)
0.45 >=0.20	YDJC (3.7)	SLC12A3 (3.3)	NAGS (3.2)
0.45 >=0.20	DEPDC1 (6.5)	SKA1 (5.7)	CENPT (4.7)
0.45 >=0.20	C17orf57 (3.4)	ENSG00000254235 (3	PDE3A (2.7)
0.45 >=0.20	SNORD58C (3.2)	ADAL (2.9)	CCNDBP1 (2.8)
0.45 >=0.20	OR4A1P (4.2)	MT1X (3.2)	CITED2 (3.1)
0.45 >=0.20	KLF14 (3.4)	EPB42 (2.4)	PIGV (2.0)
0.45 >=0.20	BUD13 (3.2)	NCOA5 (3.1)	CELF1 (2.9)
0.45 >=0.20	MYO1H (3.1)	CCDC11 (2.9)	OR5I1 (2.7)
0.45 >=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CKAP5 (5.1)
0.45 >=0.20	NOL3 (2.7)	MST1R (2.6)	NEUROD2 (2.5)
0.45 >=0.20	POLR2C (3.3)	NFATC3 (3.2)	WDR76 (3.1)
0.45 >=0.20	PGAP3 (3.7)	GRB7 (3.5)	PVRL2 (3.4)
0.45 >=0.20	PLG (6.5)	SLC12A3 (5.3)	SLC22A1 (5.2)
0.45 >=0.20	DUSP3 (3.7)	MPP3 (2.9)	PACSIN3 (2.9)
0.45 >=0.20	MBD1 (4.1)	AMBRA1 (3.9)	MTF2 (3.8)
0.45 >=0.20	SFN (5.9)	ELMO3 (3.8)	C1orf172 (3.4)
0.45 >=0.20	SLC12A3 (3.9)	C18orf32 (3.2)	PLA2G15 (2.9)
0.45 >=0.20	LCAT (3.4)	PTPRZ1 (2.6)	MT1H (2.5)
0.45 >=0.20	DEPDC1 (8.4)	SKA1 (7.5)	CKAP5 (5.2)
0.45 >=0.20	DEPDC1 (8.2)	SKA1 (7.3)	CKAP5 (5.1)
0.45 >=0.20	CYP26A1 (3.9)	MT1X (2.7)	MST1R (2.5)
0.45 >=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CCDC18 (5.1)
0.45 >=0.20	AFF1 (2.8)	CCDC116 (2.4)	TRPS1 (2.4)
0.45 >=0.20	NCOA5 (3.3)	RBM5 (3.2)	FNBP4 (3.2)
0.45 >=0.20	FNBP4 (4.4)	NUDT21 (3.4)	RBM6 (3.1)
0.45 >=0.20	BMP8A (2.7)	CCL22 (2.5)	COBLL1 (2.4)
0.45 >=0.20	TGM5 (2.8)	SLC9A5 (2.8)	MT1E (2.7)
0.45 >=0.20	LPA (2.8)	SEC14L4 (2.6)	OR4A21P (2.4)
0.45 >=0.20	FNBP4 (4.4)	NUDT21 (3.5)	NUP93 (3.2)
0.46 >=0.20	SKA1 (6.6)	DEPDC1 (6.3)	FEN1 (5.5)

0.46 >=0.20	DEPDC1 (8.3)	SKA1 (7.3)	CCDC18 (5.2)
0.46 >=0.20	TAGLN (3.6)	MACF1 (3.1)	KCTD10 (3.0)
0.46 >=0.20	DEPDC1 (8.5)	SKA1 (7.5)	CCDC18 (5.2)
0.46 >=0.20	SBNO1 (3.0)	JMJD1C (3.0)	MTF2 (2.9)
0.46 >=0.20	PVRL2 (3.1)	CLPTM1 (2.9)	CMIP (2.8)
0.46 >=0.20	DEPDC1 (8.4)	SKA1 (7.5)	CCDC18 (5.1)
0.46 >=0.20	RAPSN (6.0)	ABCA8 (2.7)	BAZ1B (2.4)
0.46 >=0.20	FZD9 (4.3)	KLF14 (3.8)	TRPS1 (3.1)
0.46 >=0.20	ATG13 (3.7)	DUSP3 (3.5)	BCL7B (3.0)
0.46 >=0.20	TMEM175 (5.3)	ERBB2 (4.8)	PIGV (3.7)
0.46 >=0.20	PNMT (4.8)	KLF14 (4.5)	SCARB1 (3.7)
0.46 >=0.20	SPG11 (2.7)	TMEM175 (2.7)	TRADD (2.7)
0.46 >=0.20	RELB (4.1)	MAFF (3.5)	SIK3 (3.4)
0.46 >=0.20	MBD1 (2.9)	PCIF1 (2.9)	BUD13 (2.8)
0.46 >=0.20	MACF1 (3.8)	GNAO1 (3.3)	MAP1A (3.1)
0.46 >=0.20	SLC22A1 (3.9)	ENSG00000254235 (3	HNF4A (3.6)
0.46 >=0.20	KIAA0754 (3.4)	PCSK7 (3.1)	PXK (3.0)
0.46 >=0.20	LSM12 (3.5)	C18orf32 (3.2)	MIEN1 (2.9)
0.46 >=0.20	FNBP4 (3.5)	NUP160 (3.4)	CXXC1 (3.3)
0.46 >=0.20	MFAP1 (3.6)	NUP160 (3.5)	EDC4 (3.2)
0.46 >=0.20	MFAP1 (3.6)	NUP160 (3.5)	EDC4 (3.2)
0.46 >=0.20	MFAP1 (3.6)	NUP160 (3.5)	EDC4 (3.2)
0.46 >=0.20	TOMM40 (4.5)	C12orf43 (3.5)	GPN2 (3.5)
0.46 >=0.20	DEPDC1 (8.0)	SKA1 (6.1)	CKAP5 (5.2)
0.46 >=0.20	CCDC116 (2.7)	ENSG00000247445 (2	CD300LG (2.4)
0.46 >=0.20	NLRC5 (2.9)	PSMB10 (2.8)	RELB (2.6)
0.46 >=0.20	PCIF1 (3.3)	BCL7B (3.3)	BAZ1B (3.2)
0.46 >=0.20	HNF1A (3.7)	ENSG00000255507 (3	ENSG00000181296 (2
0.46 >=0.20	ARID1A (4.1)	NCOA5 (4.0)	THAP11 (3.6)
0.46 >=0.20	NUP160 (4.1)	EDC4 (3.7)	NUDT21 (3.2)
0.46 >=0.20	DPEP3 (4.1)	MYBPC3 (4.1)	PNMT (3.7)
0.46 >=0.20	DEPDC1 (8.3)	SKA1 (7.3)	CKAP5 (5.1)
0.46 >=0.20	C11orf9 (3.5)	GLUL (2.9)	PPP1R1B (2.9)
0.46 >=0.20	FNBP4 (3.5)	RBM5 (3.1)	MPHOSPH9 (3.1)
0.46 >=0.20	EDC4 (4.1)	GPN2 (3.9)	NRBF2 (3.5)
0.46 >=0.20	SMPD3 (3.3)	CD300LG (2.9)	CMIP (2.6)
0.46 >=0.20	SMPD3 (3.3)	CD300LG (2.9)	CMIP (2.6)
0.46 >=0.20	MYBPC3 (6.5)	PDE3A (4.9)	PGAP3 (3.2)
0.46 >=0.20	GPIHBP1 (3.5)	DOCK6 (3.5)	MTMR3 (2.7)
0.46 >=0.20	CTDSPL2 (4.0)	WDR76 (3.5)	LCMT2 (3.4)
0.46 >=0.20	CIAPIN1 (4.0)	COQ9 (3.4)	TOMM40 (3.1)
0.46 >=0.20	ATG13 (3.8)	ZNF613 (3.4)	TRADD (3.2)
0.46 >=0.20	FNBP4 (3.6)	CXXC1 (3.5)	NUP160 (3.5)
0.46 >=0.20	ZNF259 (3.4)	MFAP1 (3.2)	CXXC1 (3.1)
0.46 >=0.20	SLC9A5 (3.7)	TCAP (3.3)	STRC (3.3)
0.46 >=0.20	FNBP4 (4.1)	NUDT21 (3.7)	NUP93 (3.2)
0.46 >=0.20	PSMC3 (3.0)	KPNB1 (3.0)	CENPT (2.4)
0.46 >=0.20	TRPS1 (4.3)	CELSR2 (3.6)	LIPG (2.5)
0.46 >=0.20	CCL22 (3.6)	RELB (3.3)	ZDHHC18 (2.8)
0.46 >=0.20	NDUFS3 (4.2)	TMEM208 (3.5)	MIEN1 (3.2)

0.46	>=0.20	OR4A1P (3.6)	ENSG00000226645 (3	CCDC116 (3.1)
0.46	>=0.20	RBM5 (3.0)	ATG13 (2.7)	PDHB (2.6)
0.46	>=0.20	TAGLN (4.0)	MACF1 (3.2)	IGF2R (2.7)
0.46	>=0.20	NCOA5 (3.3)	SNORD58C (3.3)	FNBP4 (3.0)
0.46	>=0.20	FNBP4 (3.3)	CDK12 (3.0)	RBM5 (2.8)
0.46	>=0.20	FPR3 (3.6)	CCL22 (2.9)	SNX10 (2.7)
0.46	>=0.20	NCOA5 (3.7)	BAZ1B (2.9)	MED1 (2.7)
0.46	>=0.20	GPER (3.5)	DDB2 (3.5)	LCAT (2.9)
0.46	>=0.20	B3GNT9 (4.2)	TBL2 (3.5)	ATG13 (3.5)
0.46	>=0.20	MACF1 (3.4)	PACSIN3 (3.0)	SIK3 (3.0)
0.46	>=0.20	KIAA0754 (3.6)	MACF1 (3.4)	FHOD1 (3.1)
0.46	>=0.20	TRIB1 (4.4)	MTMR3 (3.1)	CBFB (3.0)
0.46	>=0.20	NLRC5 (10.0)	SDF2L1 (6.8)	PDIA3 (6.7)
0.46	>=0.20	NLRC5 (10.0)	SDF2L1 (6.8)	PDIA3 (6.7)
0.46	>=0.20	NLRC5 (10.0)	SDF2L1 (6.8)	PDIA3 (6.7)
0.47	>=0.20	PSMC3 (6.1)	PSMB10 (5.2)	TMEM208 (4.2)
0.47	>=0.20	PSMC3 (6.1)	PSMB10 (5.2)	TMEM208 (4.2)
0.47	>=0.20	PSMC3 (6.1)	PSMB10 (5.2)	TMEM208 (4.2)
0.47	>=0.20	ZSCAN29 (3.3)	DR1 (3.3)	THAP11 (3.0)
0.47	>=0.20	CD40 (4.1)	LILRB2 (3.4)	LILRA3 (2.7)
0.47	>=0.20	ENSG00000229043 (3	TUBGCP4 (2.9)	TBL2 (2.8)
0.47	>=0.20	ATG13 (4.7)	TBL2 (4.5)	B3GNT9 (4.3)
0.47	>=0.20	C12orf65 (3.8)	SLC22A1 (2.9)	ENSG00000247445 (2
0.47	>=0.20	DPEP3 (5.6)	ERBB2 (3.3)	PSKH1 (3.3)
0.47	>=0.20	DEPDC1 (8.2)	SKA1 (7.1)	CKAP5 (5.4)
0.47	>=0.20	NCOA5 (4.1)	ARID1A (3.9)	SBNO1 (3.3)
0.47	>=0.20	SDF2L1 (4.5)	TMEM101 (4.2)	TBL2 (4.0)
0.47	>=0.20	DGKG (2.6)	CMIP (2.5)	RSPRY1 (2.4)
0.47	>=0.20	PDIA3 (3.8)	DYM (3.5)	SDF2L1 (3.2)
0.47	>=0.20	PCIF1 (3.5)	JMJD1C (3.3)	ARID1A (2.9)
0.47	>=0.20	CD40 (6.7)	CCL22 (5.2)	CCL17 (5.0)
0.47	>=0.20	SFN (7.7)	C1orf172 (4.9)	ELMO3 (4.7)
0.47	>=0.20	ZNF664 (3.8)	UBE3B (3.0)	KPNB1 (2.6)
0.47	>=0.20	SNORD58C (4.1)	GLUL (3.6)	NOL3 (3.0)
0.47	>=0.20	KLF14 (3.1)	CSGALNACT1 (2.3)	BCL7B (2.1)
0.47	>=0.20	CTRL (4.1)	CD300LG (2.8)	DPEP2 (2.6)
0.47	>=0.20	PCSK7 (3.8)	UVRAG (3.4)	MTMR3 (3.1)
0.47	>=0.20	DGKG (3.9)	MYO5B (3.3)	DOK4 (2.8)
0.47	>=0.20	TRNP1 (3.8)	GPIHBP1 (3.1)	EPB42 (2.7)
0.47	>=0.20	CCDC18 (5.2)	C16orf48 (5.0)	BBS2 (4.0)
0.47	>=0.20	LRP4 (3.9)	LIPG (3.2)	TGM7 (2.8)
0.47	>=0.20	ARID1A (3.2)	MYO5B (3.0)	PVRL2 (2.8)
0.47	>=0.20	PSMC3 (6.3)	TMEM208 (4.4)	PSMB10 (4.1)
0.47	>=0.20	PPY (10.7)	PYY (4.7)	CTRL (4.7)
0.47	>=0.20	TTC39B (3.5)	CMIP (3.1)	PCSK7 (3.1)
0.47	>=0.20	PDIA3 (7.7)	SDF2L1 (7.5)	HERPUD1 (3.9)
0.47	>=0.20	NLRC5 (5.8)	RANBP10 (3.6)	CIAPIN1 (3.2)
0.47	>=0.20	RBM6 (3.6)	FNBP4 (3.6)	BUD13 (3.3)
0.47	>=0.20	MYO1H (4.0)	CSGALNACT1 (3.2)	FRMD5 (2.8)
0.47	>=0.20	DOCK6 (3.3)	EXOC3L1 (3.1)	ENSG00000256746 (2

0.47 >=0.20	FNBP4 (3.8)	SNORD58C (3.1)	RBM5 (3.1)
0.47 >=0.20	SFN (6.2)	MST1R (5.4)	ELMO3 (4.9)
0.47 >=0.20	ATG13 (4.5)	NPEPPS (3.3)	ARFGAP2 (3.0)
0.47 >=0.20	PTPRZ1 (3.0)	LRRC29 (2.6)	MT1H (2.5)
0.47 >=0.20	WDR76 (5.4)	FEN1 (5.3)	SKA1 (4.2)
0.47 >=0.20	DDB2 (3.4)	HDAC5 (2.9)	CXXC1 (2.9)
0.47 >=0.20	SLC12A4 (2.9)	PRMT7 (2.8)	CIAPIN1 (2.5)
0.47 >=0.20	DEPDC1 (8.3)	SKA1 (7.3)	CKAP5 (5.1)
0.47 >=0.20	DEPDC1 (8.3)	SKA1 (7.3)	CKAP5 (5.1)
0.47 >=0.20	LSM12 (2.8)	FNBP4 (2.8)	INTS10 (2.8)
0.47 >=0.20	FHOD1 (3.3)	PITPNM2 (3.2)	CCNDBP1 (2.5)
0.47 >=0.20	APOA4 (4.4)	PPP1R1B (2.9)	CX3CL1 (2.6)
0.47 >=0.20	C11orf9 (4.4)	TGM7 (2.7)	ABCA8 (2.7)
0.47 >=0.20	NCOA5 (3.8)	DR1 (3.5)	PCIF1 (3.3)
0.47 >=0.20	ARFGAP2 (3.0)	CCDC11 (2.8)	PGAP3 (2.5)
0.47 >=0.20	FNBP4 (4.7)	NUDT21 (3.4)	RBM6 (3.3)
0.47 >=0.20	PCIF1 (3.7)	BUD13 (3.5)	NCOA5 (3.4)
0.47 >=0.20	BCAM (3.7)	ETV5 (3.0)	LIPG (2.9)
0.47 >=0.20	DEPDC1 (8.3)	SKA1 (7.3)	CCDC18 (5.2)
0.47 >=0.20	DEPDC1 (7.2)	SKA1 (7.1)	CKAP5 (4.5)
0.47 >=0.20	MTF2 (4.2)	NUDT21 (4.1)	KCTD10 (3.3)
0.47 >=0.20	NEUROD2 (4.5)	GNAO1 (4.0)	MPP2 (3.3)
0.47 >=0.20	PDHB (5.2)	COQ9 (5.1)	NDUFS3 (4.5)
0.47 >=0.20	BAZ1B (3.3)	DDB2 (2.4)	NCOA5 (2.3)
0.47 >=0.20	PDIA3 (4.3)	SDF2L1 (3.9)	TMED5 (2.9)
0.47 >=0.20	DEPDC1 (7.6)	SKA1 (6.7)	CKAP5 (4.8)
0.47 >=0.20	SKA1 (5.3)	FEN1 (4.8)	DEPDC1 (4.7)
0.47 >=0.20	DDB2 (3.4)	GALNT2 (2.2)	WDR76 (2.2)
0.47 >=0.20	RBM6 (3.4)	FNBP4 (3.2)	NUDT21 (3.0)
0.47 >=0.20	RBM6 (3.4)	FNBP4 (3.2)	NUDT21 (3.0)
0.47 >=0.20	RBM6 (3.4)	FNBP4 (3.2)	NUDT21 (3.0)
0.47 >=0.20	CBFB (3.3)	MAFF (2.8)	ETV5 (2.6)
0.47 >=0.20	FNBP4 (3.8)	NUDT21 (3.6)	ACD (3.3)
0.47 >=0.20	KLF14 (2.7)	DUSP3 (2.6)	COBLL1 (2.0)
0.48 >=0.20	ETV5 (3.9)	CYP26A1 (3.9)	DNAH10 (3.1)
0.48 >=0.20	ENSG00000247445 (4	SPRYD5 (3.8)	ETV5 (2.5)
0.48 >=0.20	SKA1 (5.4)	DEPDC1 (4.8)	CCDC18 (3.7)
0.48 >=0.20	DEPDC1 (7.5)	SKA1 (7.0)	CKAP5 (5.3)
0.48 >=0.20	POLR2C (3.6)	WDR76 (3.5)	BCL7B (3.3)
0.48 >=0.20	CLPTM1 (3.9)	DYM (3.3)	G6PC3 (3.3)
0.48 >=0.20	ARHGAP1 (3.6)	B3GNT9 (3.6)	SLC39A13 (3.0)
0.48 >=0.20	UBE2L3 (3.7)	ZNF408 (3.2)	NCOA5 (3.1)
0.48 >=0.20	RSPRY1 (4.6)	LCMT2 (3.9)	AMFR (3.6)
0.48 >=0.20	CTRL (6.0)	ZNF614 (4.0)	OR5J2 (2.9)
0.48 >=0.20	PSMC3 (3.7)	NUP93 (3.2)	ZNF259 (3.1)
0.48 >=0.20	ZNF350 (3.1)	RAB11B (2.9)	CCDC92 (2.4)
0.48 >=0.20	NPEPPS (3.1)	RBM6 (2.9)	BCAM (2.7)
0.48 >=0.20	MYBPC3 (7.7)	PDE3A (5.1)	FRMD5 (3.0)
0.48 >=0.20	KPNB1 (3.3)	LILRA3 (2.6)	TOMM40 (2.5)
0.48 >=0.20	NUP160 (3.9)	EDC4 (3.6)	NUP93 (3.2)

0.48 >=0.20	KPNB1 (3.7)	FNBP4 (3.4)	NUP160 (3.1)
0.48 >=0.20	AFF1 (3.7)	SIK3 (3.2)	PACSIN3 (3.1)
0.48 >=0.20	C11orf9 (4.4)	ABCA8 (2.8)	TGM7 (2.5)
0.48 >=0.20	RLTPR (4.0)	DUS2L (2.9)	PIGV (2.5)
0.48 >=0.20	CLPTM1 (2.7)	PGS1 (2.6)	APOA4 (2.2)
0.48 >=0.20	NUP160 (3.9)	EDC4 (3.5)	NUP93 (3.1)
0.48 >=0.20	PSMC3 (7.2)	MTCH2 (4.6)	ARFGAP2 (3.7)
0.48 >=0.20	CD40 (3.0)	CCL17 (2.9)	PGS1 (2.6)
0.48 >=0.20	ZSCAN29 (2.5)	STRC (2.1)	RNF214 (2.1)
0.48 >=0.20	SDF2L1 (7.5)	PDIA3 (5.7)	TBL2 (4.8)
0.48 >=0.20	NDUFS3 (3.4)	COQ9 (3.2)	COX19 (3.0)
0.48 >=0.20	RAB11B (3.1)	CMIP (3.0)	DR1 (2.6)
0.48 >=0.20	PDIA3 (7.7)	SDF2L1 (6.9)	HERPUD1 (2.7)
0.48 >=0.20	DOCK6 (4.2)	GPIHBP1 (4.2)	CXXC1 (3.0)
0.48 >=0.20	ST3GAL4 (2.8)	ZDHHC18 (2.7)	PCSK7 (2.4)
0.48 >=0.20	DEPDC1 (8.0)	SKA1 (7.0)	CKAP5 (5.2)
0.48 >=0.20	ARID1A (3.2)	NCOA5 (3.1)	DR1 (3.1)
0.48 >=0.20	CX3CL1 (2.7)	CPNE2 (2.3)	FHOD1 (2.3)
0.48 >=0.20	DEPDC1 (7.9)	SKA1 (6.0)	CENPT (5.1)
0.48 >=0.20	TRPS1 (2.9)	C12orf65 (2.5)	SPRYD5 (2.2)
0.48 >=0.20	CD40 (4.8)	SPI1 (4.0)	RELB (3.8)
0.48 >=0.20	C1orf172 (5.7)	ELMO3 (5.6)	ESRP2 (4.6)
0.48 >=0.20	RELB (4.1)	CCL22 (3.9)	RLTPR (3.4)
0.48 >=0.20	LILRA3 (3.0)	DNAH10 (2.6)	HARBI1 (2.5)
0.48 >=0.20	EXOC3L1 (2.9)	BACE1 (2.5)	ETV5 (2.4)
0.48 >=0.20	BMP8A (2.5)	LILRA3 (2.5)	CCL22 (2.5)
0.48 >=0.20	SLC12A3 (10.2)	PLG (3.8)	HNF4A (3.2)
0.48 >=0.20	ATG13 (4.4)	SPG11 (3.9)	ENSG00000223745 (3
0.48 >=0.20	ZFAND2A (2.7)	DR1 (2.6)	SNX13 (2.5)
0.48 >=0.20	PDE3A (6.3)	CSGALNACT1 (4.6)	CPS1 (3.3)
0.48 >=0.20	PYY (3.2)	SLC22A1 (3.1)	NAGS (2.7)
0.48 >=0.20	RAPSN (6.9)	TCAP (5.7)	PACSIN3 (4.3)
0.48 >=0.20	CES4A (2.9)	TGM7 (2.5)	TGM5 (2.3)
0.48 >=0.20	FNBP4 (5.1)	RBM6 (3.2)	ZNF335 (3.1)
0.48 >=0.20	JMJD1C (2.9)	PAFAH1B2 (2.5)	TMEM175 (2.4)
0.48 >=0.20	TAGLN (7.0)	GRB7 (5.1)	MACF1 (3.4)
0.48 >=0.20	FZD9 (5.8)	PPP1R1B (4.6)	TRPS1 (3.8)
0.48 >=0.20	YDJC (3.6)	GFOD2 (3.5)	TRADD (3.4)
0.48 >=0.20	ETV5 (3.8)	KIAA0754 (2.9)	PCSK7 (2.5)
0.48 >=0.20	NRBF2 (3.7)	PGS1 (3.7)	CCDC11 (3.3)
0.48 >=0.20	PSMC3 (5.7)	PSMB10 (4.0)	MTCH2 (3.9)
0.48 >=0.20	PCSK7 (4.5)	TRADD (3.2)	INTS10 (3.0)
0.48 >=0.20	FHOD1 (3.1)	TRADD (2.7)	TTBK2 (2.4)
0.48 >=0.20	POLR2C (3.9)	C18orf32 (3.7)	ACD (3.7)
0.48 >=0.20	TRIB1 (3.6)	TECTB (3.0)	ACP2 (2.4)
0.48 >=0.20	DOCK6 (5.1)	GPIHBP1 (4.4)	BCAM (3.5)
0.48 >=0.20	TCAP (8.0)	PACSIN3 (4.5)	RAPSN (4.2)
0.48 >=0.20	CXXC1 (3.5)	MFAP1 (3.4)	TP53BP1 (3.3)
0.49 >=0.20	C18orf32 (3.8)	MIEN1 (3.8)	TMEM208 (3.1)
0.49 >=0.20	FZD9 (5.6)	TRPS1 (4.6)	PPP1R1B (3.2)

0.49 >=0.20	MACF1 (2.7)	APOC4 (2.5)	ANGPTL4 (2.4)
0.49 >=0.20	DPEP3 (4.8)	SCARB1 (2.6)	ABCA8 (2.4)
0.49 >=0.20	CCDC18 (5.9)	CKAP5 (4.9)	C16orf48 (4.9)
0.49 >=0.20	TGM7 (3.0)	GPER (2.9)	CCDC18 (2.8)
0.49 >=0.20	MTMR3 (3.3)	UVRAG (3.3)	AFF1 (2.8)
0.49 >=0.20	RSPRY1 (4.2)	FAM192A (3.7)	GPN2 (3.6)
0.49 >=0.20	ELMO3 (3.5)	ST3GAL4 (2.9)	C1orf172 (2.9)
0.49 >=0.20	PLA2G6 (4.0)	CES4A (3.5)	HARBI1 (3.0)
0.49 >=0.20	PLA2G6 (4.0)	CES4A (3.5)	HARBI1 (3.0)
0.49 >=0.20	PLA2G6 (4.0)	CES4A (3.5)	HARBI1 (3.0)
0.49 >=0.20	ZNF259 (3.9)	SNORD58C (3.2)	C12orf43 (2.9)
0.49 >=0.20	CES4A (4.5)	TECTB (3.7)	SEC14L4 (3.3)
0.49 >=0.20	DEPDC1 (8.6)	SKA1 (6.9)	CCDC18 (5.0)
0.49 >=0.20	DEPDC1 (6.2)	SKA1 (5.3)	CKAP5 (4.6)
0.49 >=0.20	RLTPR (3.1)	SPI1 (2.4)	RBPJ (2.2)
0.49 >=0.20	TCAP (6.6)	TAGLN (5.0)	ARHGAP1 (2.7)
0.49 >=0.20	NCOA5 (3.3)	BCL7B (3.3)	BUD13 (2.7)
0.49 >=0.20	B3GNT9 (4.5)	RSPRY1 (3.7)	ATG13 (3.5)
0.49 >=0.20	LILRA3 (3.8)	SLC22A1 (2.8)	DGAT2 (2.7)
0.49 >=0.20	NLRC5 (4.5)	ARHGAP1 (3.6)	POLR2C (3.5)
0.49 >=0.20	SLC12A3 (5.2)	MYO5B (3.5)	HCAR1 (2.6)
0.49 >=0.20	PSMC3 (6.4)	ZFAND2A (3.9)	MTCH2 (3.7)
0.49 >=0.20	ARFGAP2 (3.1)	ATG13 (2.6)	PSMC3 (2.6)
0.49 >=0.20	ABHD6 (3.2)	CMIP (2.3)	CD300LG (2.2)
0.49 >=0.20	SKA1 (3.2)	NUDT21 (3.1)	NUTF2 (2.8)
0.49 >=0.20	OR4A1P (3.1)	C16orf86 (2.8)	HCAR1 (2.6)
0.49 >=0.20	THAP11 (3.3)	KLHL8 (2.9)	NUP160 (2.7)
0.49 >=0.20	PCIF1 (3.1)	MTF2 (2.9)	ZNF664 (2.8)
0.49 >=0.20	OASL (3.8)	RANBP10 (3.7)	C16orf70 (3.6)
0.49 >=0.20	DGKG (4.0)	CX3CL1 (2.9)	NEUROD2 (2.8)
0.49 >=0.20	THAP11 (3.2)	EDC4 (3.1)	E2F4 (3.1)
0.49 >=0.20	MAP1A (2.7)	HCAR1 (2.6)	SNORD58C (2.6)
0.49 >=0.20	CD40 (4.7)	CCL22 (4.4)	RELB (4.4)
0.49 >=0.20	RLTPR (3.7)	CD40 (3.2)	SPI1 (2.9)
0.49 >=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CKAP5 (5.1)
0.49 >=0.20	SPI1 (4.0)	RLTPR (2.5)	LILRB2 (2.5)
0.49 >=0.20	PSMC3 (6.0)	MTCH2 (3.9)	PSMB10 (3.8)
0.49 >=0.20	DGKG (3.7)	C11orf9 (2.7)	BACE1 (2.6)
0.49 >=0.20	PSMC3 (3.8)	TOMM40 (3.0)	CLPTM1 (2.9)
0.49 >=0.20	SPI1 (3.2)	BCL3 (3.1)	DR1 (2.7)
0.49 >=0.20	B3GNT9 (4.1)	ARHGAP1 (3.7)	SLC39A13 (3.2)
0.49 >=0.20	NCOA5 (3.4)	DR1 (3.2)	ARID1A (3.2)
0.49 >=0.20	RBM6 (3.3)	EDC4 (3.2)	NUP93 (3.2)
0.49 >=0.20	FZD9 (4.9)	CSGALNACT1 (3.4)	TRPS1 (2.7)
0.49 >=0.20	MACF1 (3.3)	PACSIN3 (3.3)	C11orf9 (3.0)
0.49 >=0.20	LRP4 (3.1)	PTPRZ1 (2.8)	TRPS1 (2.6)
0.49 >=0.20	FNBP4 (4.9)	NUDT21 (3.6)	NUP93 (3.2)
0.49 >=0.20	SFN (2.9)	ZFAND2A (2.8)	ESRP2 (2.7)
0.49 >=0.20	PDE3A (6.5)	CSGALNACT1 (4.8)	CPS1 (3.3)
0.49 >=0.20	NDUFS3 (4.8)	COQ9 (4.4)	PDHB (3.7)

0.49	>=0.20	ZNF259 (4.9)	TOMM40 (4.2)	EIF3J (3.1)
0.49	>=0.20	OASL (4.4)	LILRA3 (3.8)	APOA4 (2.8)
0.49	>=0.20	ARID1A (3.9)	HDAC5 (3.4)	BAZ1B (3.1)
0.49	>=0.20	MBD1 (3.9)	SNORD58C (3.5)	TRIB1 (3.1)
0.49	>=0.20	MYBPC3 (8.5)	TCAP (7.7)	PACSIN3 (4.4)
0.49	>=0.20	KCTD10 (3.1)	PAFAH1B2 (2.3)	PITPNM2 (2.3)
0.49	>=0.20	MACF1 (3.4)	SIK3 (3.1)	ERBB2 (2.9)
0.49	>=0.20	PDIA3 (8.5)	SDF2L1 (7.3)	HERPUD1 (3.9)
0.49	>=0.20	NPEPPS (3.7)	SNX13 (3.6)	PXK (3.1)
0.49	>=0.20	BUD13 (3.9)	KBTBD4 (3.4)	PCIF1 (3.4)
0.49	>=0.20	NLRC5 (3.5)	SNX10 (3.4)	PSMB10 (2.8)
0.49	>=0.20	PSMB10 (6.8)	TMEM208 (5.7)	NLRC5 (4.2)
0.49	>=0.20	PSMB10 (6.8)	TMEM208 (5.7)	NLRC5 (4.2)
0.49	>=0.20	PRMT7 (3.6)	DUS2L (3.5)	C12orf43 (3.1)
0.49	>=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CCDC18 (5.2)
0.49	>=0.20	ZNF259 (4.9)	DDX28 (3.2)	TOMM40 (3.0)
0.49	>=0.20	SLC22A1 (8.3)	LPA (5.7)	CES4A (3.7)
0.49	>=0.20	PDHB (5.7)	NDUFS3 (5.4)	COQ9 (4.5)
0.49	>=0.20	PSMC3 (6.1)	PSMB10 (3.8)	MTCH2 (3.8)
0.49	>=0.20	TOMM40 (2.6)	RANBP10 (2.6)	MTMR3 (2.6)
0.49	>=0.20	OR5I1 (3.4)	CD300LG (2.7)	PDE3A (2.6)
0.49	>=0.20	CD40 (3.3)	CCL22 (3.0)	PNMT (2.8)
0.49	>=0.20	PSMC3 (5.0)	MTCH2 (4.3)	NDUFS3 (3.8)
0.49	>=0.20	FNBP4 (3.9)	SIK3 (3.3)	ARID1A (3.0)
0.49	>=0.20	BBS2 (5.9)	C16orf48 (4.8)	C11orf49 (4.6)
0.49	>=0.20	CTRL (3.4)	OR5I1 (2.5)	HCAR1 (2.5)
0.49	>=0.20	MADD (3.6)	DPEP2 (3.0)	UVRAG (3.0)
0.49	>=0.20	SPRYD5 (5.4)	EYA3 (2.7)	ST3GAL4 (2.6)
0.5	>=0.20	FNBP4 (4.5)	NUDT21 (3.3)	NUP93 (3.0)
0.5	>=0.20	RBM5 (3.7)	KBTBD4 (3.6)	NUDT21 (3.1)
0.5	>=0.20	KLF14 (2.6)	NOL3 (2.3)	B3GNT9 (2.1)
0.5	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	MFAP1 (2.6)
0.5	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	MFAP1 (2.6)
0.5	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	MFAP1 (2.6)
0.5	>=0.20	TNKS (2.6)	KLHL8 (2.5)	TTC39B (2.5)
0.5	>=0.20	DEPDC1 (6.8)	SKA1 (6.0)	CCDC18 (4.3)
0.5	>=0.20	DEPDC1 (6.8)	SKA1 (6.0)	CCDC18 (4.3)
0.5	>=0.20	FBXL20 (4.0)	NAGS (2.9)	TMEM101 (2.6)
0.5	>=0.20	ZDHHC18 (3.1)	RLTPR (3.0)	CCL22 (2.5)
0.5	>=0.20	DEPDC1 (6.9)	SKA1 (6.2)	CKAP5 (5.0)
0.5	>=0.20	CCL22 (4.2)	CETP (3.5)	CD40 (3.4)
0.5	>=0.20	PSMC3 (6.1)	MTCH2 (4.4)	ZFAND2A (4.3)
0.5	>=0.20	NDUFS3 (3.4)	PTPMT1 (3.3)	KCTD6 (2.8)
0.5	>=0.20	G6PC3 (5.1)	TMEM175 (4.9)	TMED5 (4.0)
0.5	>=0.20	CTRL (5.3)	APOA4 (3.3)	ACAA2 (2.1)
0.5	>=0.20	FEN1 (3.4)	SKA1 (3.4)	DEPDC1 (3.1)
0.5	>=0.20	TRNP1 (2.8)	CLPTM1 (2.8)	MPP3 (2.7)
0.5	>=0.20	NUP160 (4.0)	CKAP5 (3.2)	NUDT21 (3.1)
0.5	>=0.20	PPY (5.1)	NLRC5 (4.2)	PYY (3.9)
0.5	>=0.20	CD40 (5.8)	CCL22 (4.3)	SPI1 (4.3)

0.5	>=0.20	PDIA3 (3.0)	KPNB1 (2.8)	TAGLN (2.6)
0.5	>=0.20	KCTD10 (3.3)	MACF1 (3.0)	TRNP1 (2.8)
0.5	>=0.20	SIDT2 (4.1)	TMEM62 (3.7)	PAFAH1B2 (3.7)
0.5	>=0.20	NCOA5 (3.4)	RBM6 (2.5)	UBE2L3 (2.3)
0.5	>=0.20	COQ9 (4.0)	PDHB (3.7)	DPEP3 (3.2)
0.5	>=0.20	ENSG00000182109 (2	OASL (2.7)	TRADD (2.6)
0.5	>=0.20	TMEM208 (3.8)	NUDT21 (3.5)	POLR2C (3.3)
0.5	>=0.20	SOST (4.7)	SMPD3 (4.1)	LRP4 (4.0)
0.5	>=0.20	GALNT2 (3.4)	RELB (3.0)	MAFF (2.3)
0.5	>=0.20	COBLL1 (2.4)	CD40 (2.3)	CCL22 (2.3)
0.5	>=0.20	SKA1 (4.2)	DEPDC1 (4.1)	WDR76 (3.9)
0.5	>=0.20	CYP26A1 (4.2)	LRP4 (3.3)	TRPS1 (2.5)
0.5	>=0.20	AFF1 (3.1)	GPAM (3.1)	UBE3B (3.0)
0.5	>=0.20	ENSG00000254235 (2	ENSG00000179523 (2	CTRL (2.6)
0.5	>=0.20	LIPG (2.5)	LPL (2.4)	GPR146 (2.4)
0.5	>=0.20	PSMC3 (5.4)	ZFAND2A (3.7)	PSMB10 (3.5)
0.5	>=0.20	OASL (3.5)	TRADD (3.0)	TMEM62 (2.9)
0.5	>=0.20	PSMC3 (6.4)	MTCH2 (4.1)	PSMB10 (4.0)
0.5	>=0.20	GPIHBP1 (4.0)	MYBPC3 (3.3)	DOCK6 (2.9)
0.5	>=0.20	RNF214 (2.7)	C7orf50 (2.5)	PXK (2.5)
0.5	>=0.20	UVRAG (2.6)	IGF2R (2.4)	MTMR3 (2.3)
0.5	>=0.20	DPEP3 (4.7)	C17orf105 (3.1)	UBE3B (3.0)
0.5	>=0.20	RSPO3 (3.1)	ETV5 (3.0)	C11orf9 (2.7)
0.5	>=0.20	SKA1 (5.4)	WDR76 (5.3)	DEPDC1 (5.0)
0.5	>=0.20	CCL17 (3.6)	SPRYD5 (3.0)	RBPJ (3.0)
0.5	>=0.20	ZNF259 (4.7)	GPN2 (4.0)	TOMM40 (3.4)
0.5	>=0.20	KIAA0895L (3.8)	YDJC (3.1)	DUSP3 (3.0)
0.5	>=0.20	G6PC3 (5.7)	TMEM175 (4.7)	PIGV (4.5)
0.5	>=0.20	ZNF259 (4.7)	TOMM40 (4.0)	EIF3J (3.3)
0.5	>=0.20	OASL (7.8)	MTF2 (4.1)	SNORD58C (3.0)
0.5	>=0.20	FEN1 (3.8)	WDR76 (3.4)	CTDSPL2 (3.2)
0.5	>=0.20	OR4A1P (3.3)	FPR3 (2.6)	LIPG (2.4)
0.5	>=0.20	FNBP4 (3.7)	RBM6 (3.5)	BUD13 (3.5)
0.5	>=0.20	NLRC5 (6.3)	CD40 (4.6)	CCL22 (3.5)
0.5	>=0.20	C1orf172 (3.8)	MST1R (3.8)	SNX13 (2.6)
0.5	>=0.20	UBR1 (3.5)	ZSCAN29 (3.3)	ENSG00000179523 (3
0.5	>=0.20	CXXC1 (3.6)	ACD (3.4)	TMEM208 (3.3)
0.5	>=0.20	HCAR1 (2.5)	B3GNT9 (2.4)	ABCA8 (2.4)
0.5	>=0.20	RLTPR (4.2)	CD40 (4.1)	SPI1 (3.7)
0.5	>=0.20	MYBPC3 (4.7)	KANK2 (3.6)	ARHGAP1 (3.3)
0.5	>=0.20	OASL (13.0)	RELB (3.1)	FNBP4 (2.6)
0.5	>=0.20	ENSG00000254235 (3	ENSG00000179523 (3	CTRL (2.9)
0.5	>=0.20	WDR76 (5.1)	FEN1 (5.0)	DDB2 (4.1)
0.5	>=0.20	LRP4 (4.2)	TRPS1 (3.4)	FZD9 (3.2)
0.5	>=0.20	INTS10 (3.5)	NUP160 (3.0)	GPN2 (3.0)
0.51	>=0.20	RBM6 (3.8)	FNBP4 (3.3)	NUP93 (3.3)
0.51	>=0.20	FNBP4 (4.0)	NUDT21 (3.1)	NUP93 (3.0)
0.51	>=0.20	DEPDC1 (8.0)	SKA1 (7.2)	CKAP5 (5.2)
0.51	>=0.20	SEC14L4 (3.2)	HNF4A (3.1)	SLC22A1 (2.6)
0.51	>=0.20	GLUL (2.8)	SNORD58C (2.7)	APOC1 (2.6)

0.51	>=0.20	CCL17 (4.9)	CCL22 (3.4)	CD40 (3.3)
0.51	>=0.20	CCL17 (4.9)	CCL22 (3.4)	CD40 (3.3)
0.51	>=0.20	PLA2G15 (3.6)	CLPTM1 (3.3)	NLRC5 (2.9)
0.51	>=0.20	TRPS1 (6.1)	FZD9 (3.8)	PPP1R1B (3.1)
0.51	>=0.20	RAB11B (3.3)	NUDT21 (3.2)	FNBP4 (3.0)
0.51	>=0.20	DEPDC1 (8.4)	SKA1 (7.4)	CKAP5 (5.1)
0.51	>=0.20	PSMC3 (6.2)	PSMB10 (4.4)	MTCH2 (4.1)
0.51	>=0.20	SPI1 (4.8)	LILRB2 (4.7)	CD40 (4.0)
0.51	>=0.20	OR5L2 (7.3)	ENSG00000181296 (3	OR5I1 (2.6)
0.51	>=0.20	FZD9 (2.5)	ETV5 (2.3)	CYP2W1 (2.3)
0.51	>=0.20	CCL22 (4.0)	LILRB2 (3.9)	LILRA3 (3.4)
0.51	>=0.20	NUDT21 (3.5)	THAP11 (3.4)	SBNO1 (3.0)
0.51	>=0.20	DPEP3 (3.5)	EXOC3L1 (2.8)	TTC39B (2.4)
0.51	>=0.20	CCL22 (2.9)	CCL17 (2.8)	ZDHHC18 (2.8)
0.51	>=0.20	ARID1A (3.3)	NCOA5 (3.1)	DR1 (2.6)
0.51	>=0.20	RBM5 (4.0)	ENSG00000182109 (3	RBM6 (3.2)
0.51	>=0.20	TCAP (2.8)	PSMB10 (2.4)	ENSG00000254235 (2
0.51	>=0.20	MACF1 (3.1)	ZNF664 (3.1)	UBE3B (3.0)
0.51	>=0.20	NEUROD2 (4.7)	MT1E (3.0)	MT1M (2.6)
0.51	>=0.20	NUP160 (3.9)	NUP93 (3.2)	EDC4 (3.2)
0.51	>=0.20	PYY (2.8)	ADAL (2.3)	MPP2 (2.2)
0.51	>=0.20	DUSP3 (2.7)	DR1 (2.6)	PXK (2.4)
0.51	>=0.20	DEPDC1 (7.6)	SKA1 (7.2)	CKAP5 (5.5)
0.51	>=0.20	PSMC3 (5.5)	MTCH2 (4.4)	ZFAND2A (3.9)
0.51	>=0.20	CD40 (2.4)	BMP8A (2.4)	CCL17 (2.4)
0.51	>=0.20	LRP4 (2.9)	C17orf57 (2.4)	TRPS1 (2.4)
0.51	>=0.20	BCAM (3.5)	CYP26A1 (2.9)	TBKBP1 (2.7)
0.51	>=0.20	TRIB1 (3.4)	NFATC3 (2.6)	CTDSPL2 (2.4)
0.51	>=0.20	SBNO1 (3.7)	MTF2 (3.3)	OASL (3.1)
0.51	>=0.20	SBNO1 (3.7)	MTF2 (3.3)	OASL (3.1)
0.51	>=0.20	SFN (7.4)	PTPRZ1 (4.5)	ESRP2 (2.8)
0.51	>=0.20	ENSG00000181123 (2	ENSG00000254235 (2	ABCB9 (2.4)
0.51	>=0.20	RBM6 (5.5)	RBM5 (4.5)	FNBP4 (3.5)
0.51	>=0.20	MFAP1 (3.4)	CCNDBP1 (3.1)	EIF3J (3.0)
0.51	>=0.20	TAGLN (3.3)	EPB42 (2.7)	PLTP (2.5)
0.51	>=0.20	CTRL (13.5)	PPY (6.9)	GRB7 (3.2)
0.51	>=0.20	PCSK7 (2.9)	KLHL8 (2.6)	SNX13 (2.5)
0.51	>=0.20	CYP26A1 (3.5)	MYBPC3 (3.3)	DOK4 (3.2)
0.51	>=0.20	MMAB (4.1)	MVK (3.7)	CATSPER2 (3.1)
0.51	>=0.20	DOK4 (3.1)	CES4A (2.8)	SETD8 (2.8)
0.51	>=0.20	C11orf9 (3.7)	ENSG00000247445 (3	KPNB1 (2.4)
0.51	>=0.20	MFAP1 (3.4)	NUP160 (3.4)	FAM192A (3.4)
0.51	>=0.20	RBM6 (3.2)	TP53BP1 (3.2)	CKAP5 (3.1)
0.51	>=0.20	SLC7A6OS (2.9)	BUD13 (2.7)	RSPRY1 (2.5)
0.51	>=0.20	FADS2 (6.6)	MVK (5.4)	FADS1 (5.3)
0.51	>=0.20	RNF214 (4.6)	CCL22 (3.6)	SPRYD5 (3.5)
0.51	>=0.20	DEPDC1 (8.3)	SKA1 (7.2)	CKAP5 (5.1)
0.51	>=0.20	NDUFS3 (5.9)	PDHB (5.0)	COQ9 (4.5)
0.51	>=0.20	NLRC5 (5.7)	CCL22 (3.3)	PSMB10 (3.0)
0.51	>=0.20	PSMB10 (3.5)	DR1 (3.0)	PTPRJ (2.9)

0.51 >=0.20	SNX13 (3.0)	CD300LG (2.7)	GPIHBP1 (2.4)
0.51 >=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.5)
0.51 >=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.5)
0.51 >=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.5)
0.51 >=0.20	DYM (3.2)	INTS10 (2.8)	MTF2 (2.5)
0.51 >=0.20	DEPDC1 (8.4)	SKA1 (7.5)	CKAP5 (5.0)
0.51 >=0.20	GPN2 (4.4)	EIF3J (3.7)	C12orf43 (3.3)
0.51 >=0.20	MAFF (5.6)	TRIB1 (4.1)	MPP3 (3.5)
0.51 >=0.20	NCOA5 (3.6)	ARID1A (3.2)	CTDSPL2 (2.8)
0.51 >=0.20	PXK (2.9)	CLPTM1 (2.7)	UBE2L3 (2.5)
0.51 >=0.20	AGBL2 (3.0)	SLC22A1 (3.0)	LPA (3.0)
0.51 >=0.20	FZD9 (2.4)	TGM5 (2.4)	CCDC116 (1.9)
0.52 >=0.20	CYP26A1 (3.2)	TBL2 (2.9)	LCAT (2.8)
0.52 >=0.20	FNBP4 (3.8)	CXXC1 (3.6)	NUDT21 (3.6)
0.52 >=0.20	CCL17 (3.6)	CCL22 (3.5)	PCSK7 (2.6)
0.52 >=0.20	RELB (4.4)	CD40 (3.4)	CCL22 (3.3)
0.52 >=0.20	PDE3A (3.1)	ST3GAL4 (3.0)	TUBGCP4 (2.8)
0.52 >=0.20	KPNB1 (3.6)	NUP93 (3.2)	SNORD58C (3.0)
0.52 >=0.20	ABHD6 (2.5)	TECTB (2.5)	NR1H3 (2.4)
0.52 >=0.20	ZNF259 (5.3)	TOMM40 (3.7)	SLC7A6OS (2.9)
0.52 >=0.20	ABCA1 (3.7)	APOC1 (2.9)	KLHL8 (2.8)
0.52 >=0.20	MIEN1 (2.5)	CCNDBP1 (2.4)	DCPS (2.3)
0.52 >=0.20	RSPRY1 (3.5)	PSKH1 (3.5)	DDX28 (3.0)
0.52 >=0.20	DEPDC1 (7.4)	SKA1 (6.4)	CKAP5 (5.0)
0.52 >=0.20	CASC4 (4.4)	EIF3J (3.7)	TBL2 (3.5)
0.52 >=0.20	TGM7 (2.6)	CASC4 (2.5)	DNAH10 (2.3)
0.52 >=0.20	BCL7B (5.5)	KBTBD4 (4.3)	MED1 (3.7)
0.52 >=0.20	DR1 (3.4)	MIEN1 (3.1)	MFAP1 (3.1)
0.52 >=0.20	CXXC1 (3.7)	NUP160 (3.4)	FNBP4 (3.4)
0.52 >=0.20	C1orf172 (4.9)	ESRP2 (4.8)	ELMO3 (4.2)
0.52 >=0.20	CCL17 (4.2)	CD40 (3.0)	CCL22 (2.8)
0.52 >=0.20	CCL17 (4.2)	CD40 (3.0)	CCL22 (2.8)
0.52 >=0.20	MACF1 (3.6)	SFN (3.1)	MST1R (3.0)
0.52 >=0.20	TSNAXIP1 (3.8)	OR4A21P (3.3)	AGBL2 (2.9)
0.52 >=0.20	LRRC29 (3.8)	TGM5 (3.5)	ENSG00000255507 (3
0.52 >=0.20	RSPO3 (5.3)	TAGLN (3.3)	ABCA8 (3.3)
0.52 >=0.20	MACF1 (3.4)	SIK3 (2.9)	ERBB2 (2.8)
0.52 >=0.20	PTPRJ (3.2)	MACF1 (2.7)	KCTD10 (2.5)
0.52 >=0.20	KPNB1 (3.3)	MVK (3.2)	ZNF259 (3.2)
0.52 >=0.20	FNBP4 (4.5)	INTS10 (4.3)	SNORD58C (2.9)
0.52 >=0.20	PDE3A (6.1)	PYY (3.1)	DGKG (2.4)
0.52 >=0.20	NUDT21 (4.3)	FAM192A (4.0)	POLR2C (3.9)
0.52 >=0.20	MYO5B (2.5)	MACF1 (2.4)	DGKG (2.4)
0.52 >=0.20	CCL17 (4.7)	ZNF613 (3.2)	CCL22 (3.0)
0.52 >=0.20	HNF4A (3.0)	ST3GAL4 (2.9)	C1orf172 (2.8)
0.52 >=0.20	FNBP4 (4.3)	SNORD58C (3.5)	NUP93 (3.1)
0.52 >=0.20	CBFB (2.8)	SNORD58C (2.7)	MTMR3 (2.6)
0.52 >=0.20	PSMC3 (6.3)	PSMB10 (4.7)	MTCH2 (4.4)
0.52 >=0.20	DDX28 (3.5)	DUS2L (3.4)	C12orf43 (3.4)
0.52 >=0.20	ZNF335 (2.6)	ENSG00000226645 (2	ZDHHC18 (2.5)

0.52	>=0.20	ARFGAP2 (2.6)	XKR8 (2.4)	ERBB2 (2.3)
0.52	>=0.20	TAGLN (2.9)	VEGFA (2.7)	BCAM (2.6)
0.52	>=0.20	FZD9 (4.0)	ENSG00000254235 (2	LRP4 (2.3)
0.52	>=0.20	MYO5B (3.5)	NEUROD2 (3.1)	MAP1A (3.0)
0.52	>=0.20	ZNF408 (3.1)	E2F4 (3.0)	CXXC1 (2.9)
0.52	>=0.20	ZNF664 (2.5)	MST1R (2.4)	PYY (2.4)
0.52	>=0.20	CCDC116 (3.7)	FPR3 (2.9)	ENSG00000226645 (2
0.52	>=0.20	ZNF408 (3.1)	CCDC11 (3.0)	KBTBD4 (2.7)
0.52	>=0.20	FZD9 (3.4)	PPP1R1B (3.2)	RSPO3 (3.2)
0.52	>=0.20	DDB2 (4.4)	RLTPR (3.5)	PLEKHG4 (2.6)
0.52	>=0.20	SNX13 (2.9)	MON1A (2.8)	SNX10 (2.7)
0.52	>=0.20	TOMM40 (3.4)	GPAM (3.2)	RBM6 (3.1)
0.52	>=0.20	BUD13 (3.2)	TTBK2 (2.6)	MT1X (2.4)
0.52	>=0.20	C16orf70 (2.3)	MYO5B (2.2)	UBE3B (2.0)
0.52	>=0.20	SPRYD5 (4.0)	PGAP3 (4.0)	ARID1A (3.4)
0.52	>=0.20	LILRA3 (3.0)	XKR8 (2.6)	OR5L2 (2.4)
0.52	>=0.20	SNX10 (2.7)	ZNF615 (2.2)	ZNF613 (2.2)
0.52	>=0.20	NUP160 (3.7)	EDC4 (3.2)	NUDT21 (3.1)
0.52	>=0.20	HSF4 (3.3)	BCAM (3.2)	C11orf9 (2.8)
0.52	>=0.20	C1orf172 (5.3)	ELMO3 (4.7)	SFN (4.1)
0.52	>=0.20	TP53BP1 (3.4)	ZNF259 (3.3)	OGFOD1 (3.3)
0.52	>=0.20	UBE3B (3.3)	C12orf43 (3.3)	DUSP3 (2.9)
0.53	>=0.20	TMEM208 (4.4)	TRADD (3.3)	C18orf32 (3.0)
0.53	>=0.20	MPP2 (3.6)	DGKG (3.3)	CX3CL1 (3.3)
0.53	>=0.20	NDUFS3 (5.8)	PDHB (5.5)	COQ9 (4.7)
0.53	>=0.20	KCTD10 (2.7)	BCL7B (2.7)	OR4A21P (2.7)
0.53	>=0.20	DUSP3 (2.4)	PDE3A (2.4)	HDAC5 (2.3)
0.53	>=0.20	HERPUD1 (3.7)	COQ9 (3.4)	PTPMT1 (3.1)
0.53	>=0.20	PDIA3 (4.1)	TP53BP1 (4.0)	BBS2 (3.7)
0.53	>=0.20	DOK4 (2.8)	EYA3 (2.2)	ENSG00000226645 (2
0.53	>=0.20	NUDT21 (3.8)	FNBP4 (3.5)	NUP93 (3.4)
0.53	>=0.20	UVRAG (3.3)	AFF1 (3.1)	MTMR3 (3.1)
0.53	>=0.20	BUD13 (3.0)	UBE3B (2.7)	ZNF408 (2.5)
0.53	>=0.20	HSF4 (3.5)	SLC7A6 (3.4)	CIAPIN1 (3.3)
0.53	>=0.20	TTBK2 (2.6)	MPP3 (2.4)	ENSG00000181123 (2
0.53	>=0.20	RBM5 (6.6)	RBM6 (5.4)	FNBP4 (4.6)
0.53	>=0.20	CXXC1 (3.7)	FNBP4 (3.6)	NUP160 (3.4)
0.53	>=0.20	HERPUD1 (5.4)	SDF2L1 (4.2)	FADS2 (3.3)
0.53	>=0.20	SLC12A3 (4.4)	ZNF613 (2.9)	TTC39B (2.6)
0.53	>=0.20	ZNF259 (5.1)	TOMM40 (3.8)	C7orf50 (3.1)
0.53	>=0.20	CELSR2 (4.0)	PYY (2.2)	BCAM (2.0)
0.53	>=0.20	SDF2L1 (4.3)	PDIA3 (3.8)	PSMC3 (3.3)
0.53	>=0.20	SETD8 (3.1)	PCIF1 (3.0)	SBNO1 (2.9)
0.53	>=0.20	C1orf172 (6.1)	ELMO3 (5.4)	ESRP2 (4.9)
0.53	>=0.20	NCOA5 (3.3)	DR1 (3.3)	ARID1A (3.0)
0.53	>=0.20	CELSR2 (3.1)	BACE1 (2.3)	DGKG (2.1)
0.53	>=0.20	SLC9A5 (3.6)	STRC (3.5)	GNAO1 (3.0)
0.53	>=0.20	HERPUD1 (3.0)	LPA (2.5)	SLC22A1 (2.5)
0.53	>=0.20	TBL2 (3.2)	B3GNT9 (3.0)	EYA3 (2.3)
0.53	>=0.20	MACF1 (3.5)	ARHGAP1 (3.3)	TAGLN (3.1)

0.53 >=0.20	TOMM40 (4.3)	PSMC3 (3.9)	ZNF259 (3.5)
0.53 >=0.20	ZNF259 (4.8)	TOMM40 (4.8)	PRMT7 (3.4)
0.53 >=0.20	NRBF2 (4.4)	ST3GAL4 (2.6)	KLHL8 (2.4)
0.53 >=0.20	SDF2L1 (8.5)	PDIA3 (6.5)	ATG13 (3.9)
0.53 >=0.20	CPNE2 (2.5)	BMP8A (2.2)	PDE3A (2.1)
0.53 >=0.20	CYP26A1 (3.2)	FZD9 (2.8)	PTPRZ1 (2.6)
0.53 >=0.20	KCTD6 (3.7)	COQ9 (3.2)	SLC7A6OS (3.0)
0.53 >=0.20	KCTD6 (3.7)	COQ9 (3.2)	SLC7A6OS (3.0)
0.53 >=0.20	UBE2L3 (3.3)	OGFOD1 (2.7)	STRC (2.6)
0.53 >=0.20	PDE3A (4.2)	PNMT (3.8)	SLC12A3 (2.4)
0.53 >=0.20	TMEM175 (4.9)	TMEM101 (4.1)	PIGV (3.2)
0.53 >=0.20	NCOA5 (3.9)	MED1 (3.7)	RAB11B (3.4)
0.53 >=0.20	DCPS (3.4)	BAZ1B (2.9)	NCOA5 (2.8)
0.53 >=0.20	DEPDC1 (8.1)	SKA1 (6.5)	CKAP5 (6.1)
0.53 >=0.20	PXK (3.1)	CMIP (3.0)	DR1 (2.6)
0.53 >=0.20	DEPDC1 (7.9)	SKA1 (7.2)	CCDC18 (5.2)
0.53 >=0.20	ZNF259 (3.6)	KBTBD4 (3.0)	C12orf43 (3.0)
0.53 >=0.20	ZNF259 (4.9)	TOMM40 (3.9)	C12orf43 (2.9)
0.53 >=0.20	ZNF259 (3.6)	NUP160 (3.5)	C12orf43 (3.2)
0.53 >=0.20	MT1E (2.7)	MT1H (2.5)	NPEPPS (2.5)
0.53 >=0.20	SPI1 (3.0)	UVRAG (2.8)	LILRB2 (2.7)
0.53 >=0.20	DEPDC1 (6.3)	SKA1 (4.9)	CKAP5 (4.6)
0.53 >=0.20	PDE3A (3.9)	PPY (3.8)	CSGALNACT1 (2.9)
0.53 >=0.20	WDR76 (2.9)	DDB2 (2.6)	PRMT7 (2.2)
0.53 >=0.20	PDHB (4.1)	COQ9 (3.9)	NDUFS3 (3.8)
0.53 >=0.20	DGKG (3.1)	ST3GAL4 (2.5)	GALNT2 (2.5)
0.53 >=0.20	CCL17 (3.5)	CCL22 (3.2)	CX3CL1 (2.9)
0.53 >=0.20	PTPRZ1 (4.3)	FRMD5 (2.9)	FZD9 (2.7)
0.53 >=0.20	PPY (6.5)	CTRL (3.3)	PTPRZ1 (2.5)
0.53 >=0.20	GPER (6.2)	NR0B2 (4.4)	C11orf9 (3.4)
0.53 >=0.20	FEN1 (4.3)	WDR76 (3.9)	SKA1 (3.4)
0.53 >=0.20	PPY (2.9)	AFF1 (2.2)	CTRL (2.2)
0.53 >=0.20	YDJC (4.0)	TRADD (3.1)	NUDT21 (2.9)
0.53 >=0.20	MYBPC3 (4.2)	TCAP (3.3)	E2F4 (2.8)
0.53 >=0.20	AFF1 (3.7)	PXK (3.5)	SNX13 (3.0)
0.53 >=0.20	TRIB1 (2.9)	SNX13 (2.3)	MST1R (2.2)
0.53 >=0.20	ZNF335 (4.3)	CXXC1 (3.1)	PGS1 (2.9)
0.53 >=0.20	ZNF335 (4.3)	CXXC1 (3.1)	PGS1 (2.9)
0.53 >=0.20	ZNF335 (4.3)	CXXC1 (3.1)	PGS1 (2.9)
0.53 >=0.20	GRB7 (3.7)	MACF1 (2.8)	PGAP3 (2.6)
0.53 >=0.20	TOMM40 (4.9)	COQ9 (3.4)	OGFOD1 (3.0)
0.53 >=0.20	TECTB (5.2)	APOA4 (3.1)	HNF1A (2.9)
0.53 >=0.20	PCIF1 (3.7)	ACD (3.6)	CXXC1 (3.4)
0.54 >=0.20	TCAP (3.9)	TAGLN (3.8)	MACF1 (2.7)
0.54 >=0.20	TAGLN (4.5)	ARHGAP1 (3.2)	CITED2 (2.7)
0.54 >=0.20	C18orf32 (3.9)	NDUFS3 (3.8)	MIEN1 (3.2)
0.54 >=0.20	FBXL20 (4.2)	PLA2G15 (4.0)	C16orf70 (3.8)
0.54 >=0.20	EDC4 (4.0)	UBR1 (3.1)	NUDT21 (2.9)
0.54 >=0.20	SKA1 (6.5)	DEPDC1 (6.0)	FEN1 (5.5)
0.54 >=0.20	CCL17 (3.4)	CCL22 (3.0)	CD40 (2.8)

0.54	>=0.20	TMEM208 (3.7)	MIEN1 (3.6)	C18orf32 (3.4)
0.54	>=0.20	RBPJ (4.4)	CCL17 (3.7)	SNX10 (3.0)
0.54	>=0.20	ZNF259 (3.7)	EIF3J (3.6)	PRMT7 (3.3)
0.54	>=0.20	SLC22A1 (2.9)	HNF1A (2.6)	CCNDBP1 (2.5)
0.54	>=0.20	BCL3 (3.6)	SPI1 (2.8)	ZDHHC18 (2.7)
0.54	>=0.20	NUTF2 (3.2)	MPHOSPH9 (3.1)	LSM12 (2.5)
0.54	>=0.20	SPI1 (3.9)	PTPRJ (3.5)	LILRB2 (3.3)
0.54	>=0.20	FNBP4 (4.7)	RBM5 (3.5)	NUDT21 (3.4)
0.54	>=0.20	SNORD58C (3.1)	C12orf43 (2.9)	ZNF259 (2.7)
0.54	>=0.20	NEUROD2 (3.4)	MAFF (2.8)	CELSR2 (2.3)
0.54	>=0.20	ZNF259 (5.3)	TOMM40 (3.5)	EIF3J (3.1)
0.54	>=0.20	ENSG00000229043 (2	ENSG00000181123 (2	PTPRZ1 (2.6)
0.54	>=0.20	TECTB (7.4)	C1orf172 (3.7)	HNF1A (3.4)
0.54	>=0.20	PSMC3 (5.3)	DEPDC1 (4.0)	MTCH2 (3.4)
0.54	>=0.20	PSMC3 (5.3)	DEPDC1 (4.0)	MTCH2 (3.4)
0.54	>=0.20	ZNF259 (2.4)	MFAP1 (2.3)	ARHGAP1 (2.2)
0.54	>=0.20	PSMC3 (6.1)	PSMB10 (4.4)	MTCH2 (4.0)
0.54	>=0.20	FADS1 (4.9)	MVK (4.3)	MMAB (3.8)
0.54	>=0.20	ENSG00000256746 (3	TECTB (3.0)	CTRL (2.8)
0.54	>=0.20	CCDC116 (2.9)	FPR3 (2.5)	ENSG00000226645 (2
0.54	>=0.20	SCARB1 (2.9)	ABCA8 (2.2)	KLF14 (2.2)
0.54	>=0.20	PGAP3 (5.9)	GRB7 (5.3)	CDK12 (3.7)
0.54	>=0.20	DOCK6 (3.9)	LIPG (3.3)	CETP (3.2)
0.54	>=0.20	C18orf32 (4.3)	MTCH2 (2.9)	PDHB (2.8)
0.54	>=0.20	C1orf172 (4.0)	ESRP2 (3.7)	ELMO3 (3.3)
0.54	>=0.20	LILRB2 (3.4)	DUS2L (3.0)	CETP (2.9)
0.54	>=0.20	MVK (3.9)	MMAB (3.6)	CIAPIN1 (3.2)
0.54	>=0.20	MYO1H (3.0)	OR4A21P (2.9)	LILRA3 (2.8)
0.54	>=0.20	GLUL (3.4)	LRP4 (2.4)	ABHD6 (2.3)
0.54	>=0.20	PTPRZ1 (4.2)	FRMD5 (3.1)	CPNE2 (3.0)
0.54	>=0.20	ABCA1 (3.5)	PLTP (3.3)	BCAM (2.5)
0.54	>=0.20	DEPDC1 (4.6)	CENPT (4.5)	MPHOSPH9 (4.4)
0.54	>=0.20	GPN2 (3.7)	C12orf43 (3.3)	INTS10 (3.3)
0.54	>=0.20	CD36 (4.3)	PNMT (3.8)	SOST (3.3)
0.54	>=0.20	MYBPC3 (3.7)	TCAP (3.5)	MAFF (3.2)
0.54	>=0.20	DEPDC1 (7.1)	SKA1 (6.1)	CKAP5 (4.9)
0.54	>=0.20	TSNAXIP1 (5.4)	CCDC11 (4.5)	AGBL2 (3.9)
0.54	>=0.20	C12orf43 (4.1)	GPN2 (3.2)	KBTBD4 (2.9)
0.54	>=0.20	ZNF615 (4.3)	CES4A (3.6)	C16orf86 (3.2)
0.54	>=0.20	ZNF615 (4.3)	CES4A (3.6)	C16orf86 (3.2)
0.54	>=0.20	TRPS1 (4.4)	PYY (3.6)	GLUL (3.5)
0.54	>=0.20	PSMC3 (5.6)	MTCH2 (3.9)	PSMB10 (3.8)
0.54	>=0.20	OASL (5.7)	AFF1 (3.5)	SETD8 (2.9)
0.54	>=0.20	PAFAH1B2 (4.2)	RAB11B (4.2)	CENPT (2.8)
0.54	>=0.20	TCAP (4.2)	FRMD5 (4.0)	MYBPC3 (3.9)
0.54	>=0.20	STRC (3.6)	EPB42 (2.7)	GLUL (2.5)
0.54	>=0.20	ARID1A (3.0)	KIAA0754 (2.9)	MTMR3 (2.8)
0.54	>=0.20	CCL17 (4.2)	ENSG00000247445 (3	CCL22 (3.0)
0.54	>=0.20	DEPDC1 (8.3)	SKA1 (7.4)	CCDC18 (5.2)
0.54	>=0.20	RELB (4.9)	BCL3 (3.5)	ARID1A (2.9)

0.54 >=0.20	ZNF335 (3.4)	AMFR (3.3)	CIAPIN1 (3.1)
0.54 >=0.20	BUD13 (3.4)	FAM192A (3.1)	NUDT21 (3.0)
0.54 >=0.20	BUD13 (3.4)	FAM192A (3.1)	NUDT21 (3.0)
0.54 >=0.20	BUD13 (3.4)	FAM192A (3.1)	NUDT21 (3.0)
0.54 >=0.20	PTPRZ1 (3.9)	SMPD3 (3.8)	LRP4 (3.5)
0.54 >=0.20	MT1G (3.4)	MT1X (3.1)	MT1E (2.9)
0.54 >=0.20	DGKG (2.8)	GNAO1 (2.5)	ST3GAL4 (2.5)
0.54 >=0.20	PYY (5.3)	PPY (5.2)	ENSG00000255507 (2
0.54 >=0.20	MTMR3 (3.7)	DGAT2 (3.1)	C19orf80 (2.9)
0.54 >=0.20	BUD13 (3.8)	NCOA5 (3.6)	ADAL (2.9)
0.54 >=0.20	PSMC3 (6.5)	PSMB10 (4.7)	MTCH2 (4.3)
0.54 >=0.20	ZNF259 (4.0)	TOMM40 (3.4)	EIF3J (3.4)
0.54 >=0.20	PSMC3 (3.8)	UBE2L3 (3.5)	PSMB10 (3.3)
0.54 >=0.20	GPN2 (4.1)	NRBF2 (3.5)	MTF2 (3.4)
0.54 >=0.20	SLC22A1 (5.2)	LPA (5.1)	NAGS (3.7)
0.54 >=0.20	LRP4 (2.7)	PTPRZ1 (2.5)	TRPS1 (2.2)
0.54 >=0.20	NEUROD2 (3.2)	OR5I1 (2.9)	TTBK2 (2.9)
0.55 >=0.20	CYP26A1 (2.2)	SPRYD5 (2.1)	PTPRZ1 (2.1)
0.55 >=0.20	CENPT (3.4)	RBM5 (3.2)	DEPDC1 (3.0)
0.55 >=0.20	BAZ1B (3.1)	ARID1A (3.1)	DCPS (2.9)
0.55 >=0.20	PARD6A (4.7)	THAP11 (4.7)	POLR2C (4.4)
0.55 >=0.20	COQ9 (4.6)	PTPMT1 (4.1)	CIAPIN1 (3.6)
0.55 >=0.20	FZD9 (7.0)	KLF14 (3.6)	TRPS1 (2.9)
0.55 >=0.20	CXXC1 (3.2)	ZNF408 (3.0)	POLR2C (2.8)
0.55 >=0.20	CXXC1 (3.2)	ZNF408 (3.0)	POLR2C (2.8)
0.55 >=0.20	CXXC1 (3.2)	ZNF408 (3.0)	POLR2C (2.8)
0.55 >=0.20	COQ9 (6.6)	NDUFS3 (6.6)	PDHB (6.4)
0.55 >=0.20	DDX28 (3.6)	C12orf43 (3.6)	DUS2L (3.5)
0.55 >=0.20	SCARB1 (3.1)	PNMT (3.0)	GNAO1 (3.0)
0.55 >=0.20	GNAO1 (3.6)	MPP2 (3.2)	NEUROD2 (2.6)
0.55 >=0.20	GNAO1 (3.6)	MPP2 (3.2)	NEUROD2 (2.6)
0.55 >=0.20	GNAO1 (3.6)	MPP2 (3.2)	NEUROD2 (2.6)
0.55 >=0.20	OR5I1 (3.9)	OR4A21P (3.2)	OR5L2 (3.0)
0.55 >=0.20	CD40 (5.5)	RELB (5.4)	CCL22 (4.4)
0.55 >=0.20	DGKG (4.0)	NEUROD2 (3.3)	GNAO1 (2.9)
0.55 >=0.20	CD40 (2.5)	COBLL1 (2.4)	CCL22 (2.4)
0.55 >=0.20	FNBP4 (4.8)	RBM6 (3.8)	NUDT21 (3.6)
0.55 >=0.20	FPR3 (4.7)	NLRC5 (3.6)	CD40 (3.6)
0.55 >=0.20	ST3GAL4 (3.1)	TECTB (2.8)	TMEM101 (2.7)
0.55 >=0.20	CCL22 (2.5)	TSNAXIP1 (2.5)	RLTPR (2.4)
0.55 >=0.20	KPNB1 (4.0)	OGFOD1 (3.1)	HARBI1 (2.9)
0.55 >=0.20	PSMC3 (5.6)	MTCH2 (3.5)	PSMB10 (3.4)
0.55 >=0.20	ABCA8 (2.6)	CCDC11 (2.2)	OR5I1 (2.2)
0.55 >=0.20	FNBP4 (4.3)	GPN2 (4.2)	RBM5 (3.2)
0.55 >=0.20	SLC39A13 (4.0)	GALNT2 (3.5)	TMEM208 (3.5)
0.55 >=0.20	DNAH10 (4.1)	LPA (3.7)	OR5J2 (3.4)
0.55 >=0.20	ABCA1 (3.1)	GNAO1 (2.7)	MAP1A (2.6)
0.55 >=0.20	WDR76 (4.7)	SETD8 (3.8)	SKA1 (3.5)
0.55 >=0.20	UBR1 (4.0)	PSMC3 (2.6)	ZNF664 (2.5)
0.55 >=0.20	DDB2 (3.8)	FEN1 (2.4)	SPI1 (2.4)

0.55	>=0.20	PAFAH1B2 (4.0)	PCSK7 (4.0)	KIAA0754 (3.5)
0.55	>=0.20	KPNB1 (3.3)	TOMM40 (2.6)	PDIA3 (2.4)
0.55	>=0.20	TAGLN (5.9)	MACF1 (4.2)	KCTD10 (3.8)
0.55	>=0.20	SLC9A5 (3.1)	FHOD1 (3.0)	GNAO1 (2.8)
0.55	>=0.20	FNBP4 (4.1)	NUDT21 (3.6)	RBM6 (3.2)
0.55	>=0.20	ZNF615 (3.0)	ZNF350 (2.7)	DPEP3 (2.7)
0.55	>=0.20	NDUFS3 (5.9)	PDHB (5.8)	COQ9 (4.8)
0.55	>=0.20	MYO1H (3.5)	SIK3 (2.7)	TBKBP1 (2.7)
0.55	>=0.20	FNBP4 (4.5)	NUDT21 (3.7)	RBM6 (3.2)
0.55	>=0.20	CKAP5 (4.0)	TP53BP1 (3.6)	DEPDC1 (3.5)
0.55	>=0.20	ABCB9 (2.6)	ENSG00000181123 (2	BACE1 (2.5)
0.55	>=0.20	RELB (5.3)	BCL3 (3.4)	ZFAND2A (3.1)
0.55	>=0.20	TSNAXIP1 (2.9)	FZD9 (2.4)	CCDC11 (2.3)
0.55	>=0.20	SFN (3.0)	OR4A1P (2.5)	C1orf172 (2.5)
0.55	>=0.20	RSPO3 (4.1)	TRPS1 (3.3)	SLC9A5 (2.9)
0.55	>=0.20	CCL17 (3.6)	CD40 (2.9)	CCL22 (2.6)
0.55	>=0.20	CCL17 (3.6)	CD40 (2.9)	CCL22 (2.6)
0.55	>=0.20	COBLL1 (3.3)	CCL17 (2.7)	CD40 (2.6)
0.55	>=0.20	FNBP4 (3.5)	NUP93 (3.3)	NUDT21 (3.1)
0.55	>=0.20	NFATC3 (3.6)	CBFB (3.0)	ARID1A (2.8)
0.55	>=0.20	DUSP3 (2.6)	ENSG00000223745 (2	SNX13 (2.4)
0.55	>=0.20	MED1 (3.6)	NPEPPS (3.4)	UBE2L3 (3.3)
0.55	>=0.20	PLEKHG4 (3.2)	MADD (2.8)	C1QTNF4 (2.5)
0.56	>=0.20	ARFGAP2 (3.6)	RANBP10 (3.0)	PSMC3 (3.0)
0.56	>=0.20	GNAO1 (4.2)	SLC9A5 (3.9)	CELSR2 (3.5)
0.56	>=0.20	ZNF259 (4.3)	LCMT2 (3.7)	C12orf43 (3.7)
0.56	>=0.20	SPG11 (4.5)	TRADD (4.2)	B3GNT9 (4.1)
0.56	>=0.20	PDE3A (3.6)	GPER (2.6)	RSPO3 (2.5)
0.56	>=0.20	KCTD10 (5.1)	GPIHBP1 (3.9)	TAGLN (3.3)
0.56	>=0.20	DEPDC1 (7.9)	SKA1 (7.2)	CCDC18 (5.1)
0.56	>=0.20	PGAP3 (3.8)	GRB7 (3.0)	VEGFA (2.5)
0.56	>=0.20	SPI1 (3.2)	SNX10 (3.2)	KIAA0895L (2.8)
0.56	>=0.20	SPI1 (3.0)	LPL (2.9)	DPEP2 (2.5)
0.56	>=0.20	ZNF350 (3.4)	DR1 (3.3)	ZNF614 (3.3)
0.56	>=0.20	DEPDC1 (7.0)	SKA1 (6.1)	CCDC18 (5.5)
0.56	>=0.20	RLTPR (4.1)	CCL22 (3.4)	PITPNM2 (3.0)
0.56	>=0.20	EPB42 (3.7)	NEUROD2 (2.8)	CCDC92 (2.3)
0.56	>=0.20	FZD9 (3.6)	RSPO3 (3.3)	SPRYD5 (3.2)
0.56	>=0.20	CCL17 (4.2)	CCL22 (3.2)	CD40 (2.9)
0.56	>=0.20	UBE2L3 (3.5)	SCARB1 (2.2)	ATG13 (2.1)
0.56	>=0.20	SLC12A4 (3.9)	DDB2 (3.3)	CPNE2 (2.5)
0.56	>=0.20	COBLL1 (3.5)	CCL17 (2.8)	CD40 (2.6)
0.56	>=0.20	MVK (3.5)	APOA4 (3.3)	DPEP3 (3.1)
0.56	>=0.20	RSPRY1 (4.2)	ZSCAN29 (3.8)	PLEKHG4 (3.4)
0.56	>=0.20	RSPRY1 (4.2)	ZSCAN29 (3.8)	PLEKHG4 (3.4)
0.56	>=0.20	RSPRY1 (4.2)	ZSCAN29 (3.8)	PLEKHG4 (3.4)
0.56	>=0.20	ZNF335 (3.3)	ENSG00000179523 (2	ARFGAP2 (2.5)
0.56	>=0.20	PSMC3 (5.4)	ZFAND2A (5.0)	TMEM208 (3.8)
0.56	>=0.20	CYP26A1 (4.2)	ENSG00000181123 (3	ETV5 (3.0)
0.56	>=0.20	OASL (11.2)	PSMB10 (4.5)	RELB (3.4)

0.56 >=0.20	PITPNM2 (2.8)	ZNF614 (2.8)	TGM5 (2.5)
0.56 >=0.20	EPB42 (13.0)	RANBP10 (4.7)	SEC14L4 (3.0)
0.56 >=0.20	PLA2G15 (4.3)	SNX10 (2.6)	RAB11B (2.5)
0.56 >=0.20	GALNT2 (2.4)	SFN (2.4)	ARHGAP1 (2.1)
0.56 >=0.20	KANK2 (3.0)	ZNF664 (2.7)	PTPRJ (2.4)
0.56 >=0.20	GPR146 (3.1)	KANK2 (2.7)	RBPJ (2.5)
0.56 >=0.20	DOCK6 (3.1)	ZNF335 (3.0)	MYO5B (2.9)
0.56 >=0.20	RBM5 (4.0)	PDHB (2.9)	PSMC3 (2.5)
0.56 >=0.20	SLC22A1 (3.1)	C12orf43 (2.5)	OR4A21P (2.4)
0.56 >=0.20	INTS10 (3.4)	C12orf43 (2.7)	PLA2G6 (2.4)
0.56 >=0.20	CCL22 (2.7)	LILRA3 (2.2)	CCDC116 (2.2)
0.56 >=0.20	BCL7B (3.8)	ARFGAP2 (3.8)	ATG13 (3.4)
0.56 >=0.20	CMIP (3.0)	MYO5B (2.9)	TCAP (2.7)
0.56 >=0.20	C1orf172 (5.4)	ELMO3 (5.3)	ESRP2 (4.8)
0.56 >=0.20	SLC12A3 (4.5)	KCTD19 (3.5)	OR4A1P (3.0)
0.56 >=0.20	ACAA2 (3.2)	PNMT (2.5)	NR1H3 (2.4)
0.56 >=0.20	KANK2 (3.1)	TAGLN (3.1)	TRPS1 (2.6)
0.56 >=0.20	FNBP4 (3.9)	NUDT21 (3.4)	NUP93 (3.2)
0.56 >=0.20	DPEP3 (6.4)	SCARB1 (3.0)	NFATC3 (2.6)
0.56 >=0.20	MTF2 (3.5)	DR1 (3.3)	ZNF614 (2.9)
0.56 >=0.20	C11orf9 (3.1)	TGM5 (3.0)	BACE1 (2.8)
0.56 >=0.20	FNBP4 (4.1)	NUDT21 (3.7)	NUP93 (3.3)
0.56 >=0.20	CCL22 (2.5)	CYP2W1 (2.4)	TSNAXIP1 (2.4)
0.56 >=0.20	PPY (8.6)	PYY (3.3)	C11orf9 (2.9)
0.56 >=0.20	TBKBP1 (3.0)	EXOC3L1 (2.7)	CELSR2 (2.6)
0.56 >=0.20	TTBK2 (2.6)	ENSG00000226645 (2	TRADD (2.5)
0.56 >=0.20	C17orf105 (6.9)	DPEP3 (3.6)	KCTD19 (3.1)
0.56 >=0.20	ZNF259 (3.2)	EIF3J (2.8)	ZNF615 (2.7)
0.56 >=0.20	MAP1A (3.0)	ABCA8 (3.0)	NOL3 (2.9)
0.56 >=0.20	RAPSN (7.5)	TCAP (4.3)	PACSIN3 (3.9)
0.56 >=0.20	ZNF259 (4.3)	TOMM40 (4.2)	EIF3J (3.7)
0.56 >=0.20	NLRC5 (3.7)	PSMB10 (3.6)	SMPD3 (3.4)
0.56 >=0.20	ZNF259 (5.1)	TOMM40 (4.2)	EIF3J (3.5)
0.56 >=0.20	PSMC3 (5.9)	PSMB10 (3.9)	TMEM208 (3.8)
0.56 >=0.20	PSMC3 (5.9)	PSMB10 (3.9)	TMEM208 (3.8)
0.56 >=0.20	ESRP2 (3.8)	C1orf172 (3.6)	UBE3B (3.1)
0.56 >=0.20	FZD9 (4.6)	TRPS1 (3.6)	LRP4 (3.5)
0.56 >=0.20	SPI1 (6.1)	PTPRJ (3.7)	KPNB1 (3.4)
0.56 >=0.20	RLTPR (4.1)	PITPNM2 (2.9)	ZDHHC18 (2.8)
0.56 >=0.20	CCL22 (6.9)	RELB (6.1)	CD40 (6.1)
0.56 >=0.20	MACF1 (3.2)	C11orf9 (3.0)	PACSIN3 (2.9)
0.56 >=0.20	DYM (3.7)	DNAH10 (3.0)	MBD1 (2.6)
0.56 >=0.20	RELB (5.9)	MAFF (4.3)	BCL3 (3.7)
0.56 >=0.20	FEN1 (2.7)	BUD13 (2.5)	CTDSPL2 (2.4)
0.56 >=0.20	SPI1 (3.1)	LILRB2 (2.6)	HDAC5 (2.5)
0.56 >=0.20	COBLL1 (3.3)	CCL17 (2.8)	CD40 (2.6)
0.56 >=0.20	NUTF2 (4.6)	CIAPIN1 (3.9)	DUS2L (3.4)
0.56 >=0.20	OASL (7.3)	MTF2 (3.6)	SNORD58C (3.1)
0.56 >=0.20	OASL (7.3)	MTF2 (3.6)	SNORD58C (3.1)
0.56 >=0.20	DEPDC1 (4.3)	CCDC18 (3.4)	KCTD10 (3.1)

0.56	>=0.20	DEPDC1 (4.3)	CCDC18 (3.4)	KCTD10 (3.1)
0.56	>=0.20	CKAP5 (4.8)	DEPDC1 (3.5)	CENPT (3.4)
0.56	>=0.20	KCTD6 (3.2)	MBD1 (3.1)	LSM12 (2.8)
0.56	>=0.20	PTPRZ1 (3.0)	SPRYD5 (2.6)	TMEM175 (2.3)
0.57	>=0.20	PDIA3 (7.4)	SDF2L1 (6.9)	CELSR2 (2.8)
0.57	>=0.20	OASL (7.0)	MTF2 (3.6)	SNORD58C (3.4)
0.57	>=0.20	G6PC3 (5.3)	TMEM175 (4.7)	TMEM101 (4.1)
0.57	>=0.20	PDIA3 (3.3)	NPEPPS (3.3)	NCOA5 (2.9)
0.57	>=0.20	BBS2 (2.5)	FADS1 (2.4)	ENSG00000247445 (2
0.57	>=0.20	CLPTM1 (3.7)	C18orf32 (3.6)	TMEM208 (3.6)
0.57	>=0.20	PSMC3 (4.9)	KPNB1 (3.6)	TOMM40 (3.5)
0.57	>=0.20	FEN1 (4.3)	WDR76 (4.0)	DDB2 (3.8)
0.57	>=0.20	MON1A (3.4)	PGS1 (3.3)	HDAC5 (3.1)
0.57	>=0.20	NPEPPS (2.9)	ACD (2.9)	TRADD (2.6)
0.57	>=0.20	TRADD (2.5)	C16orf86 (2.2)	SNX10 (2.2)
0.57	>=0.20	THAP11 (3.5)	BCL7B (3.5)	MTF2 (3.1)
0.57	>=0.20	FZD9 (2.4)	ANGPTL4 (2.1)	KCTD6 (2.0)
0.57	>=0.20	PYY (3.0)	DOK4 (2.8)	EXOC3L1 (2.6)
0.57	>=0.20	RAPSN (2.7)	ETV5 (2.6)	ENSG00000256746 (2
0.57	>=0.20	YDJC (5.0)	NUDT21 (2.9)	TRADD (2.8)
0.57	>=0.20	NEUROD2 (4.8)	MT1E (2.7)	MT1M (2.6)
0.57	>=0.20	LSM12 (3.6)	INTS10 (3.1)	TOMM40 (3.0)
0.57	>=0.20	ERBB2 (6.6)	GRB7 (6.2)	CDK12 (5.9)
0.57	>=0.20	ENSG00000256746 (2	ENSG00000226334 (2	ENSG00000181123 (2
0.57	>=0.20	CTRL (6.3)	TGM7 (4.3)	LPA (4.0)
0.57	>=0.20	CCL22 (3.4)	RLTPR (3.4)	NLRC5 (3.4)
0.57	>=0.20	ATG13 (2.7)	EYA3 (2.6)	CD40 (2.3)
0.57	>=0.20	TBL2 (5.4)	SDF2L1 (4.1)	B3GNT9 (4.0)
0.57	>=0.20	B3GNT9 (4.8)	SLC39A13 (3.0)	TAGLN (2.8)
0.57	>=0.20	B3GNT9 (4.8)	SLC39A13 (3.0)	TAGLN (2.8)
0.57	>=0.20	ERBB2 (4.9)	TMEM208 (3.5)	GRB7 (3.5)
0.57	>=0.20	THAP11 (3.2)	NUDT21 (3.1)	CTDSPL2 (2.9)
0.57	>=0.20	GPR146 (2.8)	PYY (2.8)	PPY (2.3)
0.57	>=0.20	FNBP4 (5.0)	EDC4 (3.5)	OGFOD1 (3.4)
0.57	>=0.20	ATG13 (3.8)	HARBI1 (3.6)	TMEM208 (3.2)
0.57	>=0.20	TGM7 (2.7)	KCTD19 (2.7)	KANK2 (2.4)
0.57	>=0.20	BCAM (3.3)	PDE3A (2.9)	ENSG00000256746 (2
0.57	>=0.20	KPNB1 (4.7)	BAZ1B (3.3)	PRMT7 (3.1)
0.57	>=0.20	MYBPC3 (3.6)	TCAP (3.3)	ATG13 (2.8)
0.57	>=0.20	NUP160 (4.0)	EDC4 (3.7)	UBR1 (3.3)
0.57	>=0.20	NLRC5 (5.5)	ARHGAP1 (3.4)	RANBP10 (3.1)
0.57	>=0.20	CYP26A1 (3.8)	SOST (2.9)	TRPS1 (2.7)
0.57	>=0.20	CCL22 (5.2)	CD40 (5.1)	RELB (4.4)
0.57	>=0.20	RSPRY1 (2.9)	MADD (2.9)	EPB42 (2.9)
0.57	>=0.20	PTPRZ1 (3.4)	LRP4 (3.3)	SOST (3.2)
0.57	>=0.20	FEN1 (5.4)	WDR76 (5.0)	PSMC3 (4.4)
0.57	>=0.20	PSMC3 (6.3)	PSMB10 (4.7)	MTCH2 (4.4)
0.57	>=0.20	PSMB10 (2.7)	LILRA3 (2.6)	OR5I1 (2.5)
0.57	>=0.20	ZNF408 (3.2)	CXXC1 (3.2)	ZNF335 (2.8)
0.57	>=0.20	ZNF408 (3.2)	CXXC1 (3.2)	ZNF335 (2.8)

0.57 >=0.20	ZNF408 (3.2)	CXXC1 (3.2)	ZNF335 (2.8)
0.57 >=0.20	PXK (3.7)	MADD (3.7)	ARHGAP1 (3.7)
0.57 >=0.20	KPNB1 (2.9)	GPN2 (2.8)	UBR1 (2.8)
0.57 >=0.20	RSPO3 (3.3)	ETV5 (3.0)	C11orf9 (2.9)
0.57 >=0.20	DEPDC1 (7.9)	SKA1 (7.2)	CKAP5 (5.1)
0.57 >=0.20	SNX10 (3.1)	MAP1A (3.0)	CENPT (3.0)
0.57 >=0.20	NUTF2 (3.2)	KPNB1 (3.1)	PSMC3 (3.0)
0.57 >=0.20	NUTF2 (3.2)	KPNB1 (3.1)	PSMC3 (3.0)
0.57 >=0.20	NUTF2 (3.2)	KPNB1 (3.1)	PSMC3 (3.0)
0.57 >=0.20	DPEP3 (3.7)	GPIHBP1 (3.6)	SEC14L4 (3.4)
0.57 >=0.20	MMAB (3.3)	MVK (3.1)	RAPSN (2.7)
0.57 >=0.20	CYP26A1 (4.6)	LRP4 (4.1)	SFN (2.8)
0.57 >=0.20	HSF4 (3.9)	CYP26A1 (2.8)	MVK (2.3)
0.57 >=0.20	JMJD1C (3.8)	NRBF2 (3.5)	MON1A (3.4)
0.57 >=0.20	DDB2 (4.1)	CCL22 (3.7)	ZDHHC18 (3.6)
0.58 >=0.20	NLRC5 (6.4)	PSMB10 (5.4)	CD40 (4.0)
0.58 >=0.20	OASL (9.4)	PSMB10 (3.7)	RELB (3.7)
0.58 >=0.20	FZD9 (4.5)	TRPS1 (3.9)	RSPO3 (2.5)
0.58 >=0.20	EYA3 (2.9)	CMIP (2.5)	KCTD6 (2.4)
0.58 >=0.20	CCL17 (3.6)	CD40 (2.9)	CCL22 (2.6)
0.58 >=0.20	ZNF259 (5.2)	TOMM40 (3.9)	EIF3J (3.0)
0.58 >=0.20	PPIP5K1 (2.9)	KIAA0754 (2.7)	CES4A (2.4)
0.58 >=0.20	C18orf32 (3.5)	MIEN1 (2.5)	OR4A1P (2.4)
0.58 >=0.20	MAFF (3.8)	ETV5 (3.6)	FRMD5 (2.6)
0.58 >=0.20	GNAO1 (3.5)	MPP2 (3.3)	NEUROD2 (2.7)
0.58 >=0.20	DDB2 (4.1)	CCL17 (3.5)	ZDHHC18 (3.5)
0.58 >=0.20	DEPDC1 (3.5)	SKA1 (3.2)	CENPT (3.0)
0.58 >=0.20	GPN2 (4.5)	CDK12 (4.0)	NRBF2 (3.5)
0.58 >=0.20	RNF214 (4.4)	BCL7B (4.2)	MED1 (4.1)
0.58 >=0.20	THAP11 (3.2)	NUDT21 (3.1)	NCOA5 (2.8)
0.58 >=0.20	ENSG00000179523 (4	PGAP3 (3.0)	TTBK2 (2.7)
0.58 >=0.20	CD300LG (2.7)	ARFGAP2 (2.6)	SNX13 (2.5)
0.58 >=0.20	TRIB1 (3.2)	PVRL2 (3.0)	TAGLN (2.8)
0.58 >=0.20	ENSG00000254235 (2	PIGV (2.0)	TSNAXIP1 (2.0)
0.58 >=0.20	PDE3A (6.3)	DOCK6 (2.7)	CSGALNACT1 (2.6)
0.58 >=0.20	MADD (3.4)	PPIP5K1 (2.8)	GNAO1 (2.8)
0.58 >=0.20	TAGLN (4.5)	TRPS1 (4.0)	B3GNT9 (3.4)
0.58 >=0.20	SIDT2 (3.6)	CPNE2 (2.7)	TAGLN (2.6)
0.58 >=0.20	EIF3J (4.0)	TMED5 (3.5)	ZNF614 (2.9)
0.58 >=0.20	CCL17 (4.8)	CCL22 (4.3)	FPR3 (3.5)
0.58 >=0.20	ZNF335 (3.3)	FNBP4 (3.0)	CXXC1 (2.7)
0.58 >=0.20	ENSG00000181296 (3	ENSG00000179523 (2	ZNF408 (2.7)
0.58 >=0.20	NEUROD2 (3.8)	KIAA0895L (3.3)	ENSG00000247867 (3
0.58 >=0.20	PTPRZ1 (3.1)	CPNE2 (2.9)	GNAO1 (2.8)
0.58 >=0.20	NDUFS3 (5.1)	COQ9 (4.2)	C18orf32 (4.2)
0.58 >=0.20	TRPS1 (4.0)	FZD9 (3.6)	RSPO3 (2.8)
0.58 >=0.20	RBM6 (4.8)	RBM5 (4.1)	ZSCAN29 (3.2)
0.58 >=0.20	FZD9 (3.1)	LRP4 (3.1)	CELSR2 (2.3)
0.58 >=0.20	PSMC3 (6.3)	PSMB10 (4.6)	MTCH2 (4.3)
0.58 >=0.20	BCL7B (3.5)	RAB11B (3.4)	CCNDBP1 (2.8)

0.58	>=0.20	NUDT21 (3.1)	THAP11 (3.1)	CTDSPL2 (3.0)
0.58	>=0.20	NEUROD2 (2.7)	OR5I1 (2.7)	KIAA0895L (2.5)
0.58	>=0.20	CES4A (4.1)	PLA2G6 (3.6)	ZNF615 (3.3)
0.58	>=0.20	NAGS (2.6)	ADAL (2.6)	YDJC (2.3)
0.58	>=0.20	KLF14 (4.2)	FZD9 (3.5)	TRPS1 (3.1)
0.58	>=0.20	PXK (3.0)	TMEM101 (2.4)	MYO1H (2.3)
0.58	>=0.20	PSMC3 (5.7)	TMEM208 (3.7)	PSMB10 (3.7)
0.58	>=0.20	FADS2 (2.8)	ERBB2 (2.5)	FADS1 (2.4)
0.58	>=0.20	CCDC116 (3.1)	C16orf86 (3.1)	C12orf65 (2.6)
0.58	>=0.20	DEPDC1 (7.8)	SKA1 (7.2)	CKAP5 (5.2)
0.58	>=0.20	PAFAH1B2 (3.5)	SETD8 (3.5)	CBFB (3.1)
0.58	>=0.20	PDHB (2.8)	KPNB1 (2.7)	ZFAND2A (2.7)
0.58	>=0.20	CYP2W1 (2.7)	KCTD10 (2.6)	MST1R (2.5)
0.58	>=0.20	DDX28 (3.2)	BUD13 (3.2)	EDC4 (3.2)
0.58	>=0.20	ENSG00000181123 (2	ENSG00000247867 (2	KLHL8 (2.6)
0.58	>=0.20	CTRL (8.2)	PDIA3 (3.6)	SDF2L1 (2.9)
0.58	>=0.20	MVK (3.5)	FADS2 (3.4)	KCTD10 (2.9)
0.58	>=0.20	RELB (2.9)	RBPJ (2.8)	SNX10 (2.4)
0.58	>=0.20	SPI1 (3.4)	CDK12 (3.0)	ARID1A (2.6)
0.58	>=0.20	YDJC (3.5)	C12orf65 (2.9)	TUBGCP4 (2.7)
0.58	>=0.20	CXXC1 (3.0)	NLRC5 (2.5)	BCL3 (2.4)
0.58	>=0.20	PLTP (3.3)	C16orf48 (2.6)	ABHD6 (2.4)
0.58	>=0.20	UBR1 (4.6)	TMEM62 (3.7)	TUBGCP4 (3.7)
0.58	>=0.20	SPG11 (4.5)	RNF214 (3.5)	SNX13 (3.2)
0.58	>=0.20	TGM5 (3.4)	UBE3B (3.0)	KCTD19 (2.8)
0.58	>=0.20	ZFAND2A (5.7)	PSMC3 (5.5)	MTCH2 (3.8)
0.58	>=0.20	CSGALNACT1 (3.3)	ENSG00000226645 (3	C12orf65 (2.6)
0.58	>=0.20	TGM7 (2.9)	ST3GAL4 (2.4)	OR4A21P (2.2)
0.58	>=0.20	IGF2R (2.9)	DDB2 (2.8)	SNX10 (2.6)
0.58	>=0.20	CELF1 (3.6)	ARID1A (3.4)	FNBP4 (3.2)
0.58	>=0.20	CELF1 (3.8)	KPNB1 (3.4)	ARID1A (2.7)
0.59	>=0.20	PGS1 (3.8)	PYY (3.2)	CMIP (3.0)
0.59	>=0.20	ZSCAN29 (4.3)	OGFOD1 (3.8)	TRADD (3.5)
0.59	>=0.20	SMPD3 (3.4)	FPR3 (3.2)	CCL22 (3.1)
0.59	>=0.20	NUTF2 (3.2)	CITED2 (2.4)	AFF1 (2.2)
0.59	>=0.20	RELB (4.4)	CCL22 (3.8)	CCL17 (3.0)
0.59	>=0.20	FPR3 (4.0)	ZNF350 (3.0)	DDB2 (2.9)
0.59	>=0.20	TBL2 (3.9)	B3GNT9 (3.9)	SLC39A13 (3.8)
0.59	>=0.20	TBL2 (3.9)	B3GNT9 (3.9)	SLC39A13 (3.8)
0.59	>=0.20	TBL2 (3.9)	B3GNT9 (3.9)	SLC39A13 (3.8)
0.59	>=0.20	FZD9 (5.9)	TRPS1 (4.2)	LRP4 (3.0)
0.59	>=0.20	NDUFS3 (5.8)	COQ9 (4.1)	PDHB (3.8)
0.59	>=0.20	CD300LG (2.9)	JMJD1C (2.7)	MYO5B (2.7)
0.59	>=0.20	HNF1A (3.3)	TBKBP1 (2.8)	FHOD1 (2.7)
0.59	>=0.20	LILRB2 (3.5)	CD40 (3.4)	SPI1 (2.7)
0.59	>=0.20	SLC12A3 (4.3)	PDE3A (3.1)	TAGLN (2.4)
0.59	>=0.20	PSMC3 (6.3)	PSMB10 (4.3)	MTCH2 (4.3)
0.59	>=0.20	TP53BP1 (3.0)	RBM6 (2.6)	EIF3J (2.5)
0.59	>=0.20	PSMC3 (2.8)	KCTD10 (2.3)	ARFGAP2 (2.3)
0.59	>=0.20	EPB42 (3.6)	PTPRZ1 (3.2)	COBLL1 (2.5)

0.59	>=0.20	SNX10 (2.5)	FPR3 (2.4)	PGS1 (2.3)
0.59	>=0.20	SLC7A6OS (3.8)	E2F4 (3.2)	MED1 (3.0)
0.59	>=0.20	RLTPR (2.7)	DNAH10 (2.7)	PGAP3 (2.3)
0.59	>=0.20	DEPDC1 (6.5)	SKA1 (6.2)	CKAP5 (4.4)
0.59	>=0.20	DPEP3 (7.1)	KCTD19 (3.3)	PLEKHG4 (3.1)
0.59	>=0.20	PNMT (5.0)	SCARB1 (4.2)	ENSG00000182109 (3
0.59	>=0.20	FZD9 (3.5)	TAGLN (2.6)	MYO5B (2.4)
0.59	>=0.20	PCIF1 (3.2)	HNF1A (2.9)	RBM6 (2.8)
0.59	>=0.20	NCOA5 (3.9)	BCL7B (3.6)	ARID1A (3.0)
0.59	>=0.20	RELB (5.7)	ZNF259 (3.2)	C12orf43 (2.8)
0.59	>=0.20	TTBK2 (2.5)	PACSIN3 (2.5)	MPP2 (2.4)
0.59	>=0.20	OR5I1 (3.6)	ENSG00000226334 (3	ENSG00000181123 (3
0.59	>=0.20	SNORD58C (4.1)	GLUL (3.3)	NOL3 (2.9)
0.59	>=0.20	PPY (3.3)	GNAO1 (3.2)	CTRL (2.9)
0.59	>=0.20	RSPO3 (3.3)	KCTD6 (2.8)	ETV5 (2.6)
0.59	>=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.3)
0.59	>=0.20	PLA2G15 (3.5)	TBL2 (3.3)	NPEPPS (3.0)
0.59	>=0.20	ZNF408 (3.6)	TRADD (3.3)	LCMT2 (3.2)
0.59	>=0.20	MT1E (3.2)	DGKG (3.0)	MACF1 (2.7)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	LILRA3 (3.3)	XKR8 (2.3)	SNX10 (2.2)
0.59	>=0.20	ZNF259 (5.1)	RBM6 (3.4)	OGFOD1 (3.2)
0.59	>=0.20	RBM6 (3.5)	CXXC1 (3.4)	NCOA5 (3.4)
0.59	>=0.20	DDB2 (4.7)	TRADD (4.6)	GFOD2 (3.4)
0.59	>=0.20	FZD9 (3.2)	LRP4 (3.0)	CELSR2 (2.5)
0.59	>=0.20	ETV5 (5.0)	TRIB1 (3.7)	MADD (2.9)
0.59	>=0.20	SPRYD5 (4.3)	NEUROD2 (3.1)	C17orf57 (2.6)
0.59	>=0.20	CDK12 (4.9)	GPN2 (4.3)	NRBF2 (3.9)
0.59	>=0.20	ARHGAP1 (4.2)	MADD (3.4)	B3GNT9 (3.3)
0.59	>=0.20	ARHGAP1 (4.2)	MADD (3.4)	B3GNT9 (3.3)
0.59	>=0.20	EPB42 (9.4)	CD36 (2.9)	SEC14L4 (2.6)
0.59	>=0.20	PGAP3 (3.3)	MST1R (3.0)	KCTD10 (2.7)
0.59	>=0.20	TRIB1 (5.6)	MAFF (4.4)	ETV5 (4.3)
0.59	>=0.20	MACF1 (3.2)	SLC12A3 (3.1)	BCAM (2.6)
0.59	>=0.20	RELB (4.1)	CLPTM1 (3.5)	ATG13 (3.1)
0.59	>=0.20	RELB (5.4)	CD40 (3.6)	AMFR (3.0)
0.59	>=0.20	PVRL2 (3.8)	BCAM (2.9)	C1orf172 (2.9)
0.59	>=0.20	OASL (3.0)	MTMR3 (2.9)	ENSG00000226334 (2
0.59	>=0.20	NUP160 (3.7)	NUP93 (3.4)	EDC4 (3.4)
0.59	>=0.20	FAM192A (3.8)	E2F4 (3.6)	ACD (3.5)
0.59	>=0.20	SOST (3.2)	LRP4 (2.7)	TRPS1 (2.7)
0.59	>=0.20	OASL (4.6)	CCL17 (3.0)	CCL22 (2.6)
0.59	>=0.20	ABHD6 (3.0)	C16orf86 (2.9)	HERPUD1 (2.8)
0.6	>=0.20	LILRA3 (2.5)	ENSG00000181123 (2	TMEM101 (2.2)
0.6	>=0.20	POLR2C (3.1)	OGFOD1 (3.1)	UBR1 (2.8)

0.6 >=0.20	OR5I1 (4.0)	DNAH10 (3.9)	KCTD6 (2.3)
0.6 >=0.20	GPER (3.1)	SLC12A3 (2.9)	TMEM175 (2.4)
0.6 >=0.20	SDF2L1 (3.6)	CLPTM1 (3.6)	PDIA3 (3.4)
0.6 >=0.20	CELF1 (3.5)	NCOA5 (3.1)	ENSG00000223745 (2
0.6 >=0.20	CCL17 (3.2)	CCL22 (3.0)	BMP8A (2.6)
0.6 >=0.20	AMFR (2.2)	MT1G (1.9)	TMEM101 (1.8)
0.6 >=0.20	AMFR (2.2)	MT1G (1.9)	TMEM101 (1.8)
0.6 >=0.20	DEPDC1 (5.0)	SKA1 (4.8)	CENPT (4.6)
0.6 >=0.20	PSMC3 (6.1)	MTCH2 (4.6)	ZFAND2A (4.1)
0.6 >=0.20	CITED2 (2.9)	DEPDC1 (2.4)	PGS1 (2.4)
0.6 >=0.20	SPG11 (2.9)	TBL2 (2.8)	TMEM101 (2.7)
0.6 >=0.20	ACAA2 (4.1)	PNMT (3.2)	COQ9 (3.1)
0.6 >=0.20	RNF214 (4.2)	BCL7B (4.1)	MED1 (4.1)
0.6 >=0.20	FZD9 (3.9)	TRPS1 (3.8)	KLF14 (3.1)
0.6 >=0.20	CKAP5 (3.0)	TMEM208 (2.6)	MFAP1 (2.4)
0.6 >=0.20	MFAP1 (3.2)	PCIF1 (3.1)	ARFGAP2 (3.1)
0.6 >=0.20	C1orf172 (5.9)	SFN (5.6)	ESRP2 (4.9)
0.6 >=0.20	NEUROD2 (3.9)	SCARB1 (3.1)	MTCH2 (2.6)
0.6 >=0.20	C1QTNF4 (2.4)	DGKG (2.3)	GNAO1 (2.3)
0.6 >=0.20	PDIA3 (4.4)	SDF2L1 (4.2)	TBL2 (3.4)
0.6 >=0.20	TSNAXIP1 (3.8)	OR4A1P (2.3)	OR4A21P (2.2)
0.6 >=0.20	BBS2 (4.0)	AGBL2 (3.5)	TRPS1 (3.1)
0.6 >=0.20	SETD8 (3.2)	ZFAND2A (3.1)	UBE3B (2.9)
0.6 >=0.20	NLRC5 (9.9)	SDF2L1 (5.7)	PSMB10 (4.3)
0.6 >=0.20	CCL22 (3.9)	PSMC3 (3.1)	EIF3J (2.6)
0.6 >=0.20	CXXC1 (3.2)	MBD1 (3.2)	C16orf48 (3.1)
0.6 >=0.20	DR1 (3.8)	MIEN1 (2.9)	PGAP3 (2.9)
0.6 >=0.20	PSMC3 (3.0)	PRMT7 (3.0)	UBR1 (3.0)
0.6 >=0.20	BCL7B (2.9)	ABCB9 (2.3)	CCDC18 (2.3)
0.6 >=0.20	GPER (2.8)	SLC12A3 (2.4)	SIDT2 (2.4)
0.6 >=0.20	ZFAND2A (3.1)	TUBGCP4 (3.1)	ADAL (2.7)
0.6 >=0.20	KCTD10 (2.6)	LILRB2 (2.5)	GPIHBP1 (2.3)
0.6 >=0.20	PSMC3 (5.6)	MTCH2 (3.9)	PSMB10 (3.9)
0.6 >=0.20	FZD9 (3.1)	PVRL2 (2.9)	TRIB1 (2.7)
0.6 >=0.20	TAGLN (3.9)	MYO5B (3.0)	C17orf57 (2.6)
0.6 >=0.20	NUP160 (3.2)	KPNB1 (2.9)	EDC4 (2.9)
0.6 >=0.20	RBM5 (4.1)	MED1 (3.2)	PCIF1 (3.1)
0.6 >=0.20	OR5I1 (3.7)	CD300LG (2.7)	ENSG00000181123 (2
0.6 >=0.20	NDUFS3 (4.8)	PTPMT1 (3.6)	HARBI1 (3.1)
0.6 >=0.20	PTPRJ (3.9)	CELF1 (3.1)	DR1 (2.9)
0.6 >=0.20	RELB (6.7)	CD40 (3.4)	BCL3 (2.8)
0.6 >=0.20	MT1M (4.4)	SLC12A3 (3.6)	MT1G (2.6)
0.6 >=0.20	DYM (3.2)	SNORD58C (3.0)	OASL (3.0)
0.6 >=0.20	RSPO3 (3.6)	CYP2W1 (2.7)	NRBF2 (2.5)
0.6 >=0.20	TAGLN (3.1)	KCTD10 (3.1)	MACF1 (2.7)
0.6 >=0.20	PSMC3 (6.5)	MTCH2 (4.6)	ZFAND2A (4.6)
0.6 >=0.20	PLA2G15 (2.8)	ETV5 (2.8)	ZNF615 (2.8)
0.6 >=0.20	NUP160 (3.9)	EDC4 (3.8)	NUDT21 (3.6)
0.6 >=0.20	FADS1 (6.1)	MVK (5.2)	FADS2 (5.1)
0.6 >=0.20	SDF2L1 (3.5)	ZNF259 (3.4)	EIF3J (3.3)

0.6	>=0.20	KPNB1 (2.7)	FHOD1 (2.6)	DOCK6 (2.6)
0.6	>=0.20	SPRYD5 (5.1)	ENSG00000179523 (3	EYA3 (3.6)
0.6	>=0.20	CITED2 (2.9)	CATSPER2 (2.5)	DGKG (2.5)
0.6	>=0.20	PNMT (2.8)	PTPRJ (2.8)	SPI1 (2.7)
0.6	>=0.20	TAGLN (4.1)	MACF1 (3.6)	KCTD10 (3.4)
0.6	>=0.20	DPEP3 (4.2)	CCDC18 (3.7)	KCTD19 (3.5)
0.6	>=0.20	ENSG00000256746 (2	BCAM (2.3)	ENSG00000229043 (2
0.6	>=0.20	PSMC3 (6.0)	PSMB10 (4.3)	ZFAND2A (4.1)
0.6	>=0.20	MADD (3.2)	GNAO1 (2.9)	MPP2 (2.6)
0.6	>=0.20	PSMC3 (6.6)	MTCH2 (4.0)	ZFAND2A (3.9)
0.6	>=0.20	JMJD1C (2.0)	SNX13 (2.0)	IGF2R (2.0)
0.6	>=0.20	LPA (6.6)	SLC22A1 (6.5)	GFOD2 (3.9)
0.6	>=0.20	C16orf48 (5.5)	CCDC18 (5.5)	CKAP5 (4.7)
0.6	>=0.20	ZNF408 (4.1)	ENSG00000247867 (3	AFF1 (3.0)
0.6	>=0.20	TGM5 (3.1)	RSPO3 (2.8)	CYP2W1 (2.4)
0.6	>=0.20	TGM5 (2.8)	UBE3B (2.7)	PCIF1 (2.7)
0.6	>=0.20	PDIA3 (7.6)	SDF2L1 (6.0)	BCAM (4.0)
0.6	>=0.20	PSMC3 (5.2)	MTCH2 (4.7)	ZFAND2A (4.5)
0.6	>=0.20	MT1X (2.8)	BAZ1B (2.8)	RBM5 (2.5)
0.6	>=0.20	CETP (2.9)	LILRB2 (2.7)	MPP2 (2.5)
0.6	>=0.20	CD40 (3.1)	CCL22 (3.0)	CCL17 (3.0)
0.6	>=0.20	PSMC3 (5.9)	PSMB10 (4.2)	MTCH2 (4.0)
0.6	>=0.20	ZNF614 (3.7)	ZNF408 (2.6)	KIAA0754 (2.5)
0.6	>=0.20	BCL7B (2.9)	B3GNT9 (2.5)	KLF14 (2.3)
0.6	>=0.20	TRNP1 (2.6)	EPB42 (2.5)	LPL (2.3)
0.6	>=0.20	C16orf86 (3.3)	BMP8A (2.8)	SLC12A4 (2.7)
0.6	>=0.20	ZDHHC18 (3.1)	BCL7B (2.8)	TRNP1 (2.7)
0.6	>=0.20	TTBK2 (2.6)	BACE1 (2.6)	CCDC92 (2.6)
0.6	>=0.20	CYP26A1 (4.4)	PTPRZ1 (4.0)	MT1M (3.4)
0.6	>=0.20	TCAP (7.9)	PACSIN3 (4.1)	RAPSN (4.1)
0.6	>=0.20	ZNF614 (3.5)	MTF2 (2.9)	NCOA5 (2.7)
0.61	>=0.20	MTMR3 (3.6)	UVRAG (3.6)	AFF1 (3.0)
0.61	>=0.20	BMP8A (2.8)	CCL17 (2.3)	CETP (2.3)
0.61	>=0.20	NEUROD2 (3.9)	CELSR2 (3.4)	DGKG (2.9)
0.61	>=0.20	SBNO1 (2.9)	MYBPC3 (2.8)	KPNB1 (2.5)
0.61	>=0.20	TAGLN (4.5)	CITED2 (4.1)	MACF1 (3.1)
0.61	>=0.20	ZNF335 (3.2)	PLA2G6 (2.6)	ARFGAP2 (2.5)
0.61	>=0.20	MPP2 (3.0)	GNAO1 (3.0)	NOL3 (2.4)
0.61	>=0.20	MYBPC3 (6.5)	TCAP (4.9)	PDE3A (3.1)
0.61	>=0.20	CASC4 (4.5)	PYY (2.6)	MADD (2.5)
0.61	>=0.20	SLC7A6OS (2.9)	FNBP4 (2.7)	DDB2 (2.6)
0.61	>=0.20	CCL22 (2.8)	ZDHHC18 (2.8)	CCL17 (2.5)
0.61	>=0.20	TRIB1 (2.9)	BCAM (2.5)	ENSG00000182109 (2
0.61	>=0.20	TCAP (6.3)	MYBPC3 (6.2)	PACSIN3 (3.6)
0.61	>=0.20	PAFAH1B2 (4.4)	RAB11B (3.2)	TTBK2 (3.1)
0.61	>=0.20	CLPTM1 (4.1)	SIDT2 (3.5)	ACP2 (2.6)
0.61	>=0.20	CLPTM1 (4.1)	SIDT2 (3.5)	ACP2 (2.6)
0.61	>=0.20	GPIHBP1 (3.4)	ETV5 (3.1)	ABCA8 (2.9)
0.61	>=0.20	MPP2 (3.4)	TRNP1 (2.8)	MAP1A (2.7)
0.61	>=0.20	CELSR2 (3.8)	AMFR (3.2)	CLPTM1 (2.9)

0.61 >=0.20	PLEKHG4 (3.0)	BMP8A (2.6)	DPEP3 (2.6)
0.61 >=0.20	MED1 (3.7)	LSM12 (3.5)	CDK12 (3.5)
0.61 >=0.20	WDR76 (4.3)	FEN1 (3.8)	DDB2 (3.3)
0.61 >=0.20	NLRC5 (9.0)	SDF2L1 (4.2)	PSMB10 (3.6)
0.61 >=0.20	TNKS (4.7)	KPNB1 (4.2)	SBNO1 (3.3)
0.61 >=0.20	TRPS1 (3.5)	C16orf86 (2.8)	CYP26A1 (2.6)
0.61 >=0.20	GPIHBP1 (4.9)	EXOC3L1 (3.4)	BMP8A (2.9)
0.61 >=0.20	SNX13 (2.4)	MTMR3 (2.4)	LIPG (2.3)
0.61 >=0.20	PCSK7 (3.8)	MTMR3 (3.1)	PXK (3.0)
0.61 >=0.20	FNBP4 (4.7)	RBM6 (3.4)	NUDT21 (3.1)
0.61 >=0.20	BUD13 (3.3)	RBM6 (3.3)	FAM192A (3.2)
0.61 >=0.20	FEN1 (6.1)	WDR76 (5.9)	DDB2 (4.6)
0.61 >=0.20	ZFAND2A (3.4)	PSMC3 (3.2)	NUP93 (2.8)
0.61 >=0.20	PAFAH1B2 (4.2)	DYM (3.3)	TMEM62 (3.1)
0.61 >=0.20	COQ9 (4.5)	PTPMT1 (3.6)	MTCH2 (3.6)
0.61 >=0.20	TRPS1 (3.8)	CELSR2 (3.4)	PNMT (2.7)
0.61 >=0.20	OGFOD1 (3.2)	PVRL2 (2.8)	LCMT2 (2.7)
0.61 >=0.20	SKA1 (5.7)	DEPDC1 (5.5)	FEN1 (4.8)
0.61 >=0.20	SLC12A3 (4.5)	PLG (3.5)	LCAT (2.5)
0.61 >=0.20	RLTPR (2.6)	TTC39B (2.1)	DDB2 (2.1)
0.61 >=0.20	ENSG00000179523 (4	SPRYD5 (3.7)	LCMT2 (2.6)
0.61 >=0.20	TECTB (3.9)	SPRYD5 (3.9)	PTPRZ1 (3.0)
0.61 >=0.20	CTRL (3.4)	SPI1 (3.2)	LILRB2 (2.9)
0.61 >=0.20	PSMC3 (6.3)	PSMB10 (4.7)	MTCH2 (4.5)
0.61 >=0.20	PSMC3 (6.3)	PSMB10 (4.7)	MTCH2 (4.5)
0.61 >=0.20	MYBPC3 (4.8)	TCAP (3.9)	ZFAND2A (2.7)
0.61 >=0.20	PDIA3 (4.2)	LCMT2 (3.2)	TMED5 (2.6)
0.61 >=0.20	OASL (3.3)	PSMB10 (3.1)	FNBP4 (2.4)
0.61 >=0.20	OASL (7.8)	MTF2 (3.7)	SNORD58C (3.1)
0.61 >=0.20	PSMB10 (4.1)	RELB (3.0)	MBD1 (2.7)
0.61 >=0.20	PSMB10 (4.1)	RELB (3.0)	MBD1 (2.7)
0.61 >=0.20	PSMB10 (4.1)	RELB (3.0)	MBD1 (2.7)
0.61 >=0.20	RSPO3 (3.0)	CYP26A1 (2.9)	RBPJ (2.3)
0.61 >=0.20	GLUL (2.6)	APOC1 (2.5)	PLTP (2.2)
0.61 >=0.20	C1orf172 (5.7)	ELMO3 (5.3)	ESRP2 (5.0)
0.61 >=0.20	RSPO3 (3.3)	SLC12A4 (2.7)	LIPG (2.5)
0.61 >=0.20	ATG13 (6.2)	TMEM208 (3.6)	ARHGAP1 (3.4)
0.61 >=0.20	TMEM62 (2.6)	ABHD6 (2.4)	MT1M (2.4)
0.61 >=0.20	ERBB2 (3.0)	PVRL2 (2.7)	BCAM (2.6)
0.61 >=0.20	SNORD58C (3.1)	ZNF259 (3.0)	KPNB1 (2.8)
0.61 >=0.20	FNBP4 (5.0)	RBM5 (3.5)	RBM6 (3.3)
0.61 >=0.20	KANK2 (3.0)	RSPO3 (2.9)	CYP26A1 (2.9)
0.61 >=0.20	SLC12A3 (2.7)	ABHD6 (2.6)	MT1F (2.6)
0.62 >=0.20	SETD8 (3.0)	SBNO1 (3.0)	CDK12 (2.7)
0.62 >=0.20	CASC4 (4.3)	KIAA0754 (4.3)	TBL2 (3.7)
0.62 >=0.20	TRPS1 (3.6)	GRB7 (2.8)	RSPO3 (2.7)
0.62 >=0.20	TAGLN (8.9)	ARHGAP1 (3.7)	PVRL2 (3.5)
0.62 >=0.20	ARID1A (3.6)	SLC7A6OS (3.4)	RANBP10 (3.3)
0.62 >=0.20	DOCK6 (4.3)	FHOD1 (3.1)	CD300LG (3.1)
0.62 >=0.20	ADAL (4.1)	KCTD6 (3.6)	ZSCAN29 (3.2)

0.62	>=0.20	INTS10 (3.1)	FAM192A (2.6)	TOMM40 (2.6)
0.62	>=0.20	PYY (4.0)	KCTD19 (3.3)	PPY (3.0)
0.62	>=0.20	SOST (3.2)	RSPO3 (3.1)	ZNF615 (2.3)
0.62	>=0.20	CCDC92 (3.5)	C11orf49 (2.8)	UBE2L3 (2.8)
0.62	>=0.20	FAM192A (4.4)	THAP11 (4.3)	POLR2C (4.1)
0.62	>=0.20	RSPO3 (2.7)	KLF14 (2.7)	CASC4 (2.5)
0.62	>=0.20	FZD9 (6.1)	TRPS1 (3.7)	ABCB9 (2.6)
0.62	>=0.20	TAGLN (4.1)	KCTD10 (3.8)	COBLL1 (2.9)
0.62	>=0.20	POLR2C (3.2)	CXXC1 (3.2)	NCOA5 (3.1)
0.62	>=0.20	FEN1 (5.2)	WDR76 (5.0)	PSMC3 (4.9)
0.62	>=0.20	NUP93 (3.7)	NUTF2 (3.4)	PSMC3 (3.3)
0.62	>=0.20	SFN (3.8)	ZNF664 (3.0)	MYO5B (2.8)
0.62	>=0.20	CD40 (2.9)	LILRB2 (2.9)	PSMB10 (2.8)
0.62	>=0.20	CLPTM1 (3.8)	MFAP1 (3.6)	TMEM208 (3.1)
0.62	>=0.20	CLPTM1 (3.8)	MFAP1 (3.6)	TMEM208 (3.1)
0.62	>=0.20	SPI1 (3.8)	RLTPR (2.8)	NFATC3 (2.6)
0.62	>=0.20	ZNF259 (3.9)	TOMM40 (3.7)	SLC7A6OS (3.5)
0.62	>=0.20	MED1 (2.8)	CDK12 (2.6)	TRPS1 (2.5)
0.62	>=0.20	FZD9 (3.0)	DGKG (2.9)	SIDT2 (2.5)
0.62	>=0.20	SLC12A3 (7.2)	MT1G (3.4)	MT1F (3.1)
0.62	>=0.20	GNAO1 (3.6)	MAP1A (2.8)	MT1H (2.7)
0.62	>=0.20	ENSG00000254235 (5	SLC22A1 (3.4)	LPA (3.0)
0.62	>=0.20	ENSG00000254235 (5	SLC22A1 (3.4)	LPA (3.0)
0.62	>=0.20	ENSG00000254235 (5	SLC22A1 (3.4)	LPA (3.0)
0.62	>=0.20	MYBPC3 (7.8)	TCAP (7.2)	FRMD5 (4.0)
0.62	>=0.20	ZNF259 (5.1)	TOMM40 (4.0)	EIF3J (3.1)
0.62	>=0.20	PDE3A (4.4)	CSGALNACT1 (3.0)	MPP2 (2.8)
0.62	>=0.20	PCSK7 (3.3)	AFF1 (3.0)	MTMR3 (2.8)
0.62	>=0.20	ETV5 (4.0)	PPP1R1B (3.4)	CYP26A1 (3.0)
0.62	>=0.20	PSMC3 (6.4)	ZFAND2A (4.5)	MTCH2 (4.4)
0.62	>=0.20	TMEM175 (4.7)	G6PC3 (4.2)	TMEM62 (3.1)
0.62	>=0.20	CCL22 (3.1)	CCL17 (3.1)	ZDHHC18 (2.6)
0.62	>=0.20	PNMT (2.3)	CYP2W1 (2.1)	NR0B2 (1.9)
0.62	>=0.20	CETP (3.7)	DDB2 (3.3)	EPB42 (2.9)
0.62	>=0.20	PLA2G6 (3.8)	UVRAG (3.2)	MADD (2.8)
0.62	>=0.20	ST3GAL4 (2.8)	PDE3A (2.5)	GPER (2.4)
0.62	>=0.20	C11orf9 (2.7)	PYY (2.6)	MT1M (2.5)
0.62	>=0.20	PSKH1 (3.2)	SBNO1 (3.1)	PIGV (3.1)
0.62	>=0.20	UVRAG (3.4)	MTMR3 (3.3)	PCSK7 (3.1)
0.62	>=0.20	MYO5B (2.7)	JMJD1C (2.6)	CX3CL1 (2.4)
0.62	>=0.20	ZNF259 (4.4)	EIF3J (3.5)	TOMM40 (3.5)
0.62	>=0.20	GRB7 (4.7)	PGAP3 (4.2)	TRPS1 (3.3)
0.62	>=0.20	OR4A21P (3.7)	KCTD6 (2.2)	C18orf32 (2.2)
0.62	>=0.20	RLTPR (2.7)	SNX10 (2.5)	SPI1 (2.3)
0.62	>=0.20	ETV5 (3.7)	CYP26A1 (3.5)	BACE1 (2.5)
0.62	>=0.20	HNF1A (3.7)	ENSG00000181296 (2	C16orf86 (2.6)
0.62	>=0.20	C11orf9 (2.8)	MACF1 (2.8)	AFF1 (2.6)
0.62	>=0.20	PDE3A (3.4)	MPP2 (3.0)	BACE1 (3.0)
0.62	>=0.20	PDE3A (3.4)	MPP2 (3.0)	BACE1 (3.0)
0.62	>=0.20	PLTP (4.7)	MYO5B (2.5)	APOC1 (2.5)

0.62	>=0.20	LILRB2 (3.3)	SPI1 (3.0)	LILRA3 (2.8)
0.62	>=0.20	RAPSN (7.2)	TCAP (4.3)	FZD9 (2.7)
0.62	>=0.20	CDK12 (4.5)	ERBB2 (4.2)	PGAP3 (4.1)
0.62	>=0.20	NLRC5 (8.7)	PSMB10 (4.1)	SDF2L1 (3.9)
0.62	>=0.20	NLRC5 (8.7)	PSMB10 (4.1)	SDF2L1 (3.9)
0.62	>=0.20	NLRC5 (8.7)	PSMB10 (4.1)	SDF2L1 (3.9)
0.62	>=0.20	OR5I1 (3.4)	ENSG00000255507 (2	ENSG00000226334 (2
0.62	>=0.20	NUTF2 (3.3)	SNORD58C (2.9)	ENSG00000226334 (2
0.62	>=0.20	NUTF2 (3.3)	SNORD58C (2.9)	ENSG00000226334 (2
0.62	>=0.20	CCDC11 (3.6)	TSNAXIP1 (3.2)	NEUROD2 (3.2)
0.62	>=0.20	OASL (3.5)	NUP160 (3.5)	TP53BP1 (3.5)
0.62	>=0.20	BCL7B (5.2)	NCOA5 (3.6)	INTS10 (3.2)
0.62	>=0.20	TAGLN (3.8)	GPIHBP1 (3.4)	SPI1 (3.1)
0.62	>=0.20	NLRC5 (6.2)	PPY (6.0)	CTRL (5.6)
0.62	>=0.20	GPN2 (3.3)	UBE3B (2.9)	C12orf43 (2.9)
0.62	>=0.20	GPN2 (3.3)	UBE3B (2.9)	C12orf43 (2.9)
0.62	>=0.20	GPN2 (3.3)	UBE3B (2.9)	C12orf43 (2.9)
0.62	>=0.20	CCL17 (2.6)	CD40 (2.5)	CCL22 (2.4)
0.62	>=0.20	DOCK6 (3.5)	HDAC5 (3.0)	TBKBP1 (2.9)
0.62	>=0.20	NLRC5 (9.1)	SDF2L1 (7.0)	PDIA3 (6.1)
0.62	>=0.20	BCAM (2.8)	ABCA8 (2.7)	ERBB2 (2.6)
0.62	>=0.20	SLC39A13 (3.6)	ENSG00000254235 (2	RSPO3 (2.7)
0.62	>=0.20	BACE1 (3.5)	APOC4 (2.5)	APOA5 (2.4)
0.62	>=0.20	PSMC3 (6.4)	MTCH2 (4.6)	PSMB10 (4.5)
0.62	>=0.20	HSF4 (2.8)	TGM7 (2.7)	SNX10 (2.7)
0.62	>=0.20	DGKG (4.4)	CX3CL1 (3.1)	NEUROD2 (3.1)
0.62	>=0.20	EPB42 (4.0)	SMPD3 (2.9)	SETD8 (2.6)
0.62	>=0.20	TOMM40 (4.1)	UBE2L3 (4.0)	PSMC3 (3.9)
0.62	>=0.20	IGF2R (3.2)	MACF1 (2.9)	JMJD1C (2.8)
0.62	>=0.20	UBE2L3 (3.9)	PSMC3 (3.7)	PDIA3 (3.6)
0.62	>=0.20	JMJD1C (3.2)	RAPSN (2.6)	KCTD19 (2.3)
0.62	>=0.20	EDC4 (3.6)	ACD (3.0)	NRBF2 (2.9)
0.62	>=0.20	HNF4A (4.0)	C11orf9 (3.5)	SMPD3 (3.5)
0.62	>=0.20	GPIHBP1 (3.7)	DOCK6 (3.4)	TBKBP1 (3.1)
0.62	>=0.20	TTBK2 (2.6)	SLC7A6OS (2.5)	PPIP5K1 (2.1)
0.63	>=0.20	ZNF259 (3.0)	SNORD58C (2.8)	RBM6 (2.7)
0.63	>=0.20	MIEN1 (4.9)	FAM192A (4.4)	C18orf32 (4.2)
0.63	>=0.20	B3GNT9 (4.2)	SLC39A13 (3.7)	TBL2 (3.2)
0.63	>=0.20	OR5I1 (2.8)	ABCA8 (2.5)	C1orf172 (2.2)
0.63	>=0.20	GPN2 (4.0)	CDK12 (4.0)	LSM12 (3.7)
0.63	>=0.20	ZNF259 (5.3)	TOMM40 (3.8)	EIF3J (3.1)
0.63	>=0.20	ATG13 (3.5)	ZFAND2A (3.3)	TP53BP1 (3.2)
0.63	>=0.20	MAP1A (3.9)	MADD (3.9)	MPP2 (3.3)
0.63	>=0.20	NR0B2 (4.1)	MYBPC3 (3.7)	OASL (3.2)
0.63	>=0.20	SPI1 (2.8)	SNX10 (2.6)	RBPJ (2.5)
0.63	>=0.20	NUP160 (3.8)	NUP93 (3.3)	EDC4 (3.1)
0.63	>=0.20	CDK12 (4.2)	PGAP3 (3.4)	KBTBD4 (3.3)
0.63	>=0.20	APOE (3.4)	SPI1 (2.9)	NFATC3 (2.8)
0.63	>=0.20	CCNDBP1 (3.3)	ZNF259 (3.1)	DUSP3 (3.1)
0.63	>=0.20	CYP26A1 (4.8)	RSPO3 (3.6)	SOST (3.3)

0.63	>=0.20	FNBP4 (4.5)	RBM6 (4.4)	RBM5 (4.2)
0.63	>=0.20	PPY (6.7)	PYY (4.9)	GNAO1 (2.9)
0.63	>=0.20	SNORD58C (4.4)	TAGLN (3.6)	KCTD10 (3.5)
0.63	>=0.20	C11orf49 (3.5)	KIAA0895L (3.3)	GNAO1 (3.1)
0.63	>=0.20	SFN (6.5)	C1orf172 (5.4)	ESRP2 (4.7)
0.63	>=0.20	TRIB1 (5.9)	MAFF (4.5)	CITED2 (3.8)
0.63	>=0.20	MTMR3 (3.7)	AFF1 (3.2)	PCSK7 (3.1)
0.63	>=0.20	LSM12 (3.8)	AMFR (3.8)	ENSG00000223745 (3
0.63	>=0.20	TP53BP1 (3.9)	UBE3B (3.3)	PDIA3 (3.2)
0.63	>=0.20	SNX10 (2.9)	NEUROD2 (2.7)	SLC12A3 (2.1)
0.63	>=0.20	RELB (2.9)	HERPUD1 (2.9)	SLC7A6 (2.6)
0.63	>=0.20	NCOA5 (3.2)	SBNO1 (3.0)	IGF2R (2.5)
0.63	>=0.20	CETP (3.7)	HDAC5 (3.1)	BMP8A (2.6)
0.63	>=0.20	CCDC116 (2.8)	NLRC5 (2.4)	CETP (2.1)
0.63	>=0.20	PLA2G15 (4.6)	BMP8A (3.0)	TMEM175 (2.9)
0.63	>=0.20	SLC7A6OS (4.0)	ZNF259 (3.7)	DUS2L (3.3)
0.63	>=0.20	OR5L2 (5.6)	HCAR1 (3.3)	STRC (2.9)
0.63	>=0.20	CELF1 (4.3)	THAP11 (3.4)	RNF214 (3.2)
0.63	>=0.20	OASL (2.8)	CD40 (2.6)	RLTPR (2.6)
0.63	>=0.20	DOK4 (3.2)	CYP26A1 (2.7)	RSPO3 (2.6)
0.63	>=0.20	CDK12 (7.8)	PGAP3 (7.0)	ERBB2 (6.6)
0.63	>=0.20	BAZ1B (3.7)	WDR76 (3.6)	BCL7B (3.1)
0.63	>=0.20	SDF2L1 (6.3)	PDIA3 (5.5)	ZFAND2A (4.6)
0.63	>=0.20	DEPDC1 (6.3)	SKA1 (5.3)	CKAP5 (5.1)
0.63	>=0.20	TGM7 (3.3)	CYP26A1 (3.0)	APOE (2.8)
0.63	>=0.20	KCTD6 (3.8)	MBD1 (3.7)	CXXC1 (3.5)
0.63	>=0.20	LCMT2 (3.9)	WDR76 (3.8)	SKA1 (3.5)
0.63	>=0.20	CYP26A1 (4.3)	ETV5 (3.0)	ENSG00000254235 (3
0.63	>=0.20	CYP26A1 (4.6)	KCTD6 (2.9)	RSPO3 (2.6)
0.63	>=0.20	DUS2L (3.1)	SDF2L1 (3.0)	PDIA3 (2.9)
0.63	>=0.20	KPNB1 (3.4)	NUP160 (2.9)	WDR76 (2.8)
0.63	>=0.20	FNBP4 (4.6)	ENSG00000226645 (3	RBM5 (2.8)
0.63	>=0.20	PTPRZ1 (3.3)	TRIB1 (3.1)	RSPO3 (2.6)
0.63	>=0.20	SFN (9.0)	BCAM (3.7)	PTPRZ1 (3.4)
0.63	>=0.20	CYP26A1 (4.7)	RSPO3 (3.2)	KCTD6 (3.1)
0.63	>=0.20	SDF2L1 (3.2)	KPNB1 (3.1)	PSMC3 (2.8)
0.63	>=0.20	APOA4 (3.8)	SLC12A3 (3.5)	CX3CL1 (3.3)
0.63	>=0.20	NLRC5 (5.0)	PSMB10 (3.8)	DYM (3.6)
0.63	>=0.20	OR5J2 (3.1)	LILRB2 (2.9)	ENSG00000181123 (2
0.63	>=0.20	SLC12A3 (6.1)	PLG (3.6)	PLTP (3.0)
0.63	>=0.20	PCSK7 (3.5)	AFF1 (3.2)	PAFAH1B2 (3.2)
0.63	>=0.20	FNBP4 (3.9)	SNORD58C (3.3)	NUP93 (2.8)
0.63	>=0.20	PVRL2 (3.1)	ERBB2 (2.8)	ETV5 (2.5)
0.63	>=0.20	ZNF259 (5.0)	TOMM40 (3.7)	EIF3J (3.0)
0.63	>=0.20	PTPRZ1 (2.9)	PPP1R1B (2.7)	SPG11 (2.4)
0.63	>=0.20	TAGLN (3.9)	SLC12A4 (3.7)	OGFOD1 (2.8)
0.64	>=0.20	UVRAG (4.0)	AFF1 (3.5)	PCSK7 (3.3)
0.64	>=0.20	HNF1A (3.2)	C16orf86 (3.0)	ENSG00000256746 (2
0.64	>=0.20	PSMC3 (5.7)	PSMB10 (3.6)	TMEM208 (3.6)
0.64	>=0.20	PTPRZ1 (2.4)	MIEN1 (2.4)	TRIB1 (2.4)

0.64	>=0.20	NDUFS3 (3.7)	PDHB (3.0)	ARHGAP1 (2.8)
0.64	>=0.20	FBXL20 (3.7)	THAP11 (3.0)	RBPJ (2.8)
0.64	>=0.20	PSMB10 (4.5)	FPR3 (4.3)	CD40 (3.9)
0.64	>=0.20	MTMR3 (3.0)	AFF1 (2.8)	PXK (2.4)
0.64	>=0.20	RELB (7.1)	BCL3 (3.6)	CD40 (3.6)
0.64	>=0.20	KANK2 (3.3)	B3GNT9 (3.2)	TAGLN (3.1)
0.64	>=0.20	OR5L2 (4.6)	ENSG00000181296 (4	OR5I1 (3.3)
0.64	>=0.20	C1orf172 (3.0)	ABCA8 (2.9)	SFN (2.9)
0.64	>=0.20	SLC9A5 (2.9)	CYP26A1 (2.9)	FZD9 (2.3)
0.64	>=0.20	C11orf49 (4.0)	CCDC11 (2.7)	KLF14 (2.5)
0.64	>=0.20	MT1X (3.4)	SFN (3.1)	MT1E (2.9)
0.64	>=0.20	DR1 (3.9)	SBNO1 (3.5)	ARID1A (3.4)
0.64	>=0.20	TBL2 (4.0)	B3GNT9 (3.6)	SLC39A13 (3.5)
0.64	>=0.20	ARFGAP2 (3.6)	UBE2L3 (3.2)	FNBP4 (2.6)
0.64	>=0.20	FEN1 (5.9)	WDR76 (5.1)	DDB2 (3.6)
0.64	>=0.20	TRNP1 (2.8)	OR5I1 (2.5)	KIAA0895L (2.4)
0.64	>=0.20	EDC4 (4.0)	NUP160 (3.8)	NUDT21 (3.2)
0.64	>=0.20	DEPDC1 (5.4)	SKA1 (5.1)	CCDC18 (4.8)
0.64	>=0.20	CTRL (4.4)	PLA2G15 (2.8)	HNF1A (2.8)
0.64	>=0.20	CTRL (4.4)	PLA2G15 (2.8)	HNF1A (2.8)
0.64	>=0.20	PSKH1 (2.8)	ABCB9 (2.6)	HSF4 (2.5)
0.64	>=0.20	NEUROD2 (3.3)	DGKG (2.7)	APOE (2.6)
0.64	>=0.20	PDE3A (3.1)	DOK4 (3.0)	ENSG00000179523 (2
0.64	>=0.20	DDB2 (4.6)	CD40 (4.1)	RELB (4.0)
0.64	>=0.20	DDB2 (4.6)	CD40 (4.1)	RELB (4.0)
0.64	>=0.20	DGKG (3.4)	KLF14 (2.7)	ABCB9 (2.6)
0.64	>=0.20	MACF1 (3.0)	RBM5 (2.9)	PDIA3 (2.7)
0.64	>=0.20	ZNF613 (2.8)	ZNF350 (2.7)	ZNF615 (2.7)
0.64	>=0.20	MFAP1 (3.5)	DR1 (3.0)	TNKS (3.0)
0.64	>=0.20	PPY (5.5)	PYY (3.8)	BACE1 (2.6)
0.64	>=0.20	PSMC3 (5.8)	PSMB10 (3.9)	MTCH2 (3.9)
0.64	>=0.20	MPP2 (2.9)	TRNP1 (2.9)	CX3CL1 (2.5)
0.64	>=0.20	SPI1 (2.7)	TGM5 (2.7)	LILRB2 (2.6)
0.64	>=0.20	NEUROD2 (3.5)	CCNDBP1 (3.4)	CCDC92 (3.3)
0.64	>=0.20	KPNB1 (3.0)	NUP93 (2.6)	PSMC3 (2.6)
0.64	>=0.20	CCDC116 (2.5)	NLRC5 (2.4)	XKR8 (2.3)
0.64	>=0.20	PNMT (4.4)	SCARB1 (4.4)	ENSG00000182109 (3
0.64	>=0.20	ZNF259 (4.7)	TOMM40 (3.5)	DDX28 (3.0)
0.64	>=0.20	SLC12A3 (4.7)	APOA4 (3.3)	CX3CL1 (2.5)
0.64	>=0.20	TMEM62 (3.8)	EIF3J (3.2)	DYM (2.9)
0.64	>=0.20	MYBPC3 (5.6)	BCAM (3.0)	VEGFA (2.7)
0.64	>=0.20	PDE3A (4.3)	CSGALNACT1 (2.8)	PPP1R1B (2.6)
0.64	>=0.20	TOMM40 (3.4)	NDUFS3 (3.1)	DCPS (2.8)
0.64	>=0.20	ENSG00000179523 (3	MED1 (3.4)	RSPRY1 (3.2)
0.64	>=0.20	NCOA5 (3.2)	ZNF664 (3.1)	CELF1 (3.0)
0.64	>=0.20	ZFAND2A (3.7)	SDF2L1 (2.8)	PDIA3 (2.7)
0.64	>=0.20	E2F4 (3.5)	B3GNT9 (2.7)	DPEP3 (2.6)
0.64	>=0.20	MED1 (4.0)	ERBB2 (3.8)	FBXL20 (3.7)
0.64	>=0.20	SBNO1 (2.9)	BAZ1B (2.9)	RBPJ (2.6)
0.64	>=0.20	SDF2L1 (5.3)	PDIA3 (4.6)	G6PC3 (4.4)

0.64	>=0.20	FNBP4 (3.8)	ENSG00000226645 (3	C12orf43 (3.6)
0.64	>=0.20	ARFGAP2 (3.5)	ATG13 (3.2)	OGFOD1 (3.1)
0.64	>=0.20	SNORD58C (3.8)	UBE2L3 (3.3)	BAZ1B (2.8)
0.64	>=0.20	BCL7B (5.1)	NCOA5 (3.1)	BAZ1B (2.7)
0.64	>=0.20	FNBP4 (3.1)	AFF1 (2.7)	BAZ1B (2.5)
0.64	>=0.20	CYP26A1 (3.5)	HSF4 (2.3)	APOE (2.1)
0.65	>=0.20	SFN (4.6)	TGM5 (4.1)	ESRP2 (2.9)
0.65	>=0.20	UVRAG (4.0)	PCSK7 (3.6)	AFF1 (3.2)
0.65	>=0.20	NEUROD2 (3.3)	CASC4 (3.2)	MPP2 (3.1)
0.65	>=0.20	ENSG00000254235 (5	SLC22A1 (3.1)	LPA (3.0)
0.65	>=0.20	ZNF259 (5.0)	TOMM40 (3.2)	EIF3J (2.9)
0.65	>=0.20	ZNF259 (5.0)	TOMM40 (3.2)	EIF3J (2.9)
0.65	>=0.20	ZNF259 (5.0)	TOMM40 (3.2)	EIF3J (2.9)
0.65	>=0.20	TAGLN (3.0)	SLC12A4 (2.9)	APOE (2.7)
0.65	>=0.20	C1orf172 (5.9)	ELMO3 (5.3)	ESRP2 (5.2)
0.65	>=0.20	GPER (3.6)	ENSG00000256746 (3	C12orf65 (2.8)
0.65	>=0.20	RAPSN (3.5)	MACF1 (2.7)	TCAP (2.6)
0.65	>=0.20	RAB11B (3.0)	DOK4 (2.6)	PDE3A (2.5)
0.65	>=0.20	NCOA5 (3.4)	SNORD58C (3.4)	TAGLN (3.0)
0.65	>=0.20	ZNF259 (4.9)	TOMM40 (3.6)	C7orf50 (2.8)
0.65	>=0.20	TNKS (2.9)	MTMR3 (2.7)	PAFAH1B2 (2.5)
0.65	>=0.20	RLTPR (3.7)	COBLL1 (2.3)	CD40 (2.1)
0.65	>=0.20	TAGLN (4.6)	TCAP (3.2)	RAPSN (2.6)
0.65	>=0.20	TAGLN (4.1)	KCTD10 (3.7)	KANK2 (3.5)
0.65	>=0.20	SLC12A3 (2.7)	AMBRA1 (2.6)	RAPSN (2.6)
0.65	>=0.20	PTPRZ1 (4.5)	MYO5B (3.4)	MACF1 (3.3)
0.65	>=0.20	PNMT (5.8)	SCARB1 (3.9)	ST3GAL4 (3.3)
0.65	>=0.20	GNAO1 (3.4)	PPY (3.3)	NLRC5 (2.9)
0.65	>=0.20	DEPDC1 (4.4)	SKA1 (4.0)	TUBGCP4 (3.0)
0.65	>=0.20	BACE1 (2.9)	DOCK6 (2.1)	OR4A1P (1.9)
0.65	>=0.20	NCOA5 (3.8)	OGFOD1 (3.1)	BUD13 (3.0)
0.65	>=0.20	TRIB1 (3.2)	MTMR3 (2.4)	RAPSN (2.4)
0.65	>=0.20	C12orf43 (3.1)	MFAP1 (3.1)	MIEN1 (3.0)
0.65	>=0.20	PSMC3 (6.0)	MTCH2 (4.0)	ZFAND2A (3.9)
0.65	>=0.20	TRPS1 (3.0)	PIGV (2.9)	IGF2R (2.6)
0.65	>=0.20	KLF14 (2.8)	C1QTNF4 (2.6)	JMJD1C (2.2)
0.65	>=0.20	KIAA0754 (3.2)	PXK (2.6)	TP53BP1 (2.5)
0.65	>=0.20	ZNF259 (5.2)	TOMM40 (4.0)	C12orf43 (3.1)
0.65	>=0.20	DYM (2.8)	UBE2L3 (2.7)	ENSG00000226645 (2
0.65	>=0.20	ENSG00000254235 (4	CES4A (3.4)	SLC22A1 (3.0)
0.65	>=0.20	CASC4 (3.2)	C12orf65 (3.1)	ADAL (3.1)
0.65	>=0.20	DUSP3 (3.3)	C16orf70 (2.6)	CITED2 (2.5)
0.65	>=0.20	ZNF350 (3.7)	PCIF1 (3.4)	INTS10 (3.3)
0.65	>=0.20	DGKG (3.3)	NEUROD2 (3.2)	KIAA0895L (3.1)
0.65	>=0.20	RBM6 (3.6)	ZNF408 (2.9)	ENSG00000255507 (2
0.65	>=0.20	MVK (4.6)	MMAB (4.3)	FADS1 (3.5)
0.65	>=0.20	EDC4 (4.1)	NUP160 (3.7)	NUDT21 (3.3)
0.65	>=0.20	PTPRZ1 (3.6)	FZD9 (3.2)	SOST (3.1)
0.65	>=0.20	FNBP4 (5.5)	NUDT21 (3.6)	RBM6 (3.5)
0.65	>=0.20	CKAP5 (3.4)	NUP160 (3.4)	EDC4 (3.1)

0.65	>=0.20	BCL7B (3.6)	DDB2 (3.0)	G6PC3 (2.8)
0.65	>=0.20	BCAM (4.8)	SFN (4.3)	PVRL2 (3.9)
0.65	>=0.20	HNF1A (3.2)	APOA4 (2.8)	HNF4A (2.8)
0.65	>=0.20	MMAB (3.0)	FADS1 (3.0)	C1QTNF4 (2.5)
0.65	>=0.20	FNBP4 (4.4)	INTS10 (4.2)	EDC4 (3.6)
0.65	>=0.20	MPP2 (3.8)	CELSR2 (3.5)	PITPNM2 (3.2)
0.65	>=0.20	MON1A (3.0)	GFOD2 (2.8)	SETD8 (2.7)
0.65	>=0.20	TGM5 (2.7)	FZD9 (2.7)	PPP1R1B (2.6)
0.65	>=0.20	DEPDC1 (7.8)	SKA1 (6.2)	CKAP5 (4.9)
0.65	>=0.20	ETV5 (3.5)	DGKG (3.0)	TRPS1 (3.0)
0.65	>=0.20	SMPD3 (3.0)	C11orf49 (2.9)	LILRA3 (2.5)
0.65	>=0.20	CETP (2.7)	PTPRZ1 (2.2)	TGM5 (1.9)
0.65	>=0.20	MAFF (4.7)	CYP26A1 (3.4)	SOST (2.9)
0.65	>=0.20	C17orf57 (3.2)	TGM7 (2.4)	SPRYD5 (2.2)
0.65	>=0.20	CD40 (3.1)	CCL22 (3.0)	ZNF615 (3.0)
0.65	>=0.20	GPN2 (4.4)	PGAP3 (4.1)	NRBF2 (3.4)
0.65	>=0.20	PVRL2 (3.3)	CX3CL1 (3.0)	MYO5B (2.8)
0.65	>=0.20	ZNF615 (2.8)	LILRA3 (2.6)	XKR8 (2.6)
0.65	>=0.20	NUTF2 (3.8)	KPNB1 (3.0)	NUP160 (2.9)
0.65	>=0.20	SOST (3.0)	MMAB (2.3)	GPR146 (2.3)
0.65	>=0.20	RAPSN (6.1)	KANK2 (3.0)	PDE3A (2.9)
0.65	>=0.20	PSMB10 (2.9)	COQ9 (2.4)	MBD1 (2.2)
0.65	>=0.20	SNORD58C (4.5)	MTF2 (3.4)	FNBP4 (3.2)
0.65	>=0.20	ZNF259 (5.0)	TOMM40 (3.8)	PRMT7 (3.4)
0.65	>=0.20	NDUFS3 (5.4)	PDHB (4.0)	COQ9 (4.0)
0.65	>=0.20	CYP26A1 (3.6)	ENSG00000181123 (3	SOST (2.7)
0.65	>=0.20	ETV5 (3.3)	RNF214 (2.2)	C16orf70 (2.2)
0.65	>=0.20	ETV5 (3.3)	RNF214 (2.2)	C16orf70 (2.2)
0.66	>=0.20	TCAP (5.3)	RAPSN (3.9)	MT1F (3.8)
0.66	>=0.20	TNKS (3.2)	CLPTM1 (2.8)	HDAC5 (2.6)
0.66	>=0.20	GPIHBP1 (4.1)	ENSG00000223745 (3	EXOC3L1 (3.1)
0.66	>=0.20	PXK (3.0)	CLPTM1 (2.9)	CPNE2 (2.6)
0.66	>=0.20	NRBF2 (2.6)	FHOD1 (2.4)	COX19 (2.1)
0.66	>=0.20	CKAP5 (4.4)	KIAA0895L (3.9)	CCDC18 (3.3)
0.66	>=0.20	TMED5 (2.9)	PDHB (2.6)	ENSG00000223745 (2
0.66	>=0.20	ZNF259 (3.9)	OGFOD1 (3.2)	EIF3J (3.1)
0.66	>=0.20	SLC39A13 (3.9)	SNX13 (3.5)	TMEM208 (3.4)
0.66	>=0.20	C12orf43 (2.7)	ZNF664 (2.4)	UBE3B (2.3)
0.66	>=0.20	BCL7B (3.9)	YDJC (3.3)	HDAC5 (2.9)
0.66	>=0.20	RBM5 (3.6)	KLHL8 (3.2)	NFATC3 (3.1)
0.66	>=0.20	RNF214 (4.1)	SPG11 (3.2)	FBXL20 (2.9)
0.66	>=0.20	PGAP3 (3.3)	NOL3 (3.2)	HSF4 (2.6)
0.66	>=0.20	ZFAND2A (3.8)	CELSR2 (3.7)	PLA2G15 (2.5)
0.66	>=0.20	PSMC3 (6.4)	PSMB10 (4.4)	MTCH2 (4.3)
0.66	>=0.20	PSMC3 (6.4)	PSMB10 (4.4)	MTCH2 (4.3)
0.66	>=0.20	NR0B2 (4.6)	APOA4 (4.1)	C18orf32 (3.5)
0.66	>=0.20	ABCA8 (3.0)	ST3GAL4 (2.7)	C1orf172 (2.1)
0.66	>=0.20	ZNF259 (5.1)	TOMM40 (3.7)	SLC7A6OS (2.9)
0.66	>=0.20	RNF214 (3.9)	BCL7B (3.8)	MED1 (3.8)
0.66	>=0.20	KPNB1 (3.2)	SBNO1 (3.0)	PDIA3 (2.9)

0.66	>=0.20	PCSK7 (3.6)	MTMR3 (3.5)	AFF1 (3.1)
0.66	>=0.20	CTRL (4.1)	DNAH10 (3.5)	OR5J2 (2.6)
0.66	>=0.20	TAGLN (3.7)	SLC12A4 (2.8)	IGF2R (2.4)
0.66	>=0.20	MPP2 (3.6)	GNAO1 (3.4)	PPP1R1B (3.1)
0.66	>=0.20	C11orf9 (2.5)	PAFAH1B2 (2.3)	TUBGCP4 (2.3)
0.66	>=0.20	ARID1A (3.4)	ENSG00000181123 (3	AMBRA1 (3.0)
0.66	>=0.20	RBM6 (3.7)	BAZ1B (3.3)	CCDC18 (3.3)
0.66	>=0.20	CBFB (3.6)	RLTPR (3.1)	NFATC3 (3.0)
0.66	>=0.20	ENSG00000181123 (2	ENSG00000226334 (2	ENSG00000256746 (2
0.66	>=0.20	BCL7B (3.9)	THAP11 (3.7)	KLHL8 (3.1)
0.66	>=0.20	NR0B2 (4.1)	GPER (3.8)	SIDT2 (2.9)
0.66	>=0.20	SLC12A3 (3.8)	PTPRZ1 (3.3)	ACP2 (2.6)
0.66	>=0.20	KCTD6 (3.5)	ETV5 (2.7)	DEPDC1 (2.3)
0.66	>=0.20	PPY (10.2)	PYY (3.9)	MLXIPL (2.9)
0.66	>=0.20	NDUFS3 (4.8)	COX19 (3.4)	PTPMT1 (3.3)
0.66	>=0.20	SDF2L1 (5.0)	PDIA3 (3.8)	HERPUD1 (3.1)
0.66	>=0.20	RBM6 (4.4)	FNBP4 (4.2)	RBM5 (3.7)
0.66	>=0.20	XKR8 (3.1)	NLRC5 (3.0)	LILRA3 (2.9)
0.66	>=0.20	ZFAND2A (5.1)	ARFGAP2 (2.7)	UBR1 (2.6)
0.66	>=0.20	SFN (3.3)	CELSR2 (2.8)	C1orf172 (2.8)
0.66	>=0.20	SFN (3.3)	CELSR2 (2.8)	C1orf172 (2.8)
0.66	>=0.20	CYP26A1 (3.1)	SOST (2.9)	RSPO3 (2.5)
0.66	>=0.20	B3GNT9 (4.7)	SLC39A13 (3.8)	ATG13 (3.5)
0.66	>=0.20	CLPTM1 (3.4)	UBE2L3 (3.3)	MADD (3.2)
0.66	>=0.20	CD40 (5.6)	CCL22 (4.9)	RELB (4.1)
0.66	>=0.20	TCAP (8.8)	MYBPC3 (6.8)	PACSIN3 (4.0)
0.66	>=0.20	TGM7 (3.3)	AGBL2 (3.0)	RLTPR (2.7)
0.66	>=0.20	RSPO3 (4.8)	TRPS1 (2.9)	FZD9 (2.8)
0.66	>=0.20	NPEPPS (2.7)	VEGFA (2.4)	TCAP (2.2)
0.66	>=0.20	APOC4 (4.5)	NAGS (4.2)	APOA5 (3.5)
0.66	>=0.20	TMEM208 (3.3)	CXXC1 (3.2)	EDC4 (2.9)
0.66	>=0.20	ZNF614 (3.3)	THAP11 (2.9)	NCOA5 (2.8)
0.66	>=0.20	DEPDC1 (4.2)	SKA1 (3.8)	FEN1 (3.5)
0.66	>=0.20	TBL2 (4.3)	B3GNT9 (3.6)	POLR2C (3.3)
0.66	>=0.20	FEN1 (5.3)	WDR76 (5.1)	SKA1 (4.0)
0.66	>=0.20	OR5I1 (3.3)	KLF14 (2.8)	KCTD10 (2.8)
0.66	>=0.20	ERBB2 (4.8)	SDF2L1 (4.0)	TMEM175 (3.5)
0.66	>=0.20	LILRB2 (4.1)	LILRA3 (3.5)	PSMB10 (2.7)
0.66	>=0.20	GLUL (3.4)	CCDC18 (3.3)	MON1A (3.1)
0.66	>=0.20	ENSG00000236267 (2	RLTPR (2.5)	KIAA0754 (2.5)
0.66	>=0.20	FZD9 (4.7)	B3GNT9 (3.3)	ZNF613 (3.1)
0.66	>=0.20	GALNT2 (2.7)	FADS2 (2.5)	MAP1A (2.5)
0.66	>=0.20	BCL7B (4.6)	NCOA5 (3.1)	CITED2 (3.0)
0.66	>=0.20	C16orf86 (3.8)	OR5J2 (2.9)	KIAA0754 (2.8)
0.66	>=0.20	ZNF259 (3.8)	PRMT7 (3.2)	TOMM40 (3.1)
0.66	>=0.20	KLF14 (3.1)	BCL7B (3.0)	DUSP3 (2.6)
0.66	>=0.20	FZD9 (3.7)	RAPSN (3.3)	MACF1 (2.3)
0.66	>=0.20	SDF2L1 (5.8)	PDIA3 (4.9)	TMEM208 (4.2)
0.66	>=0.20	CCL17 (4.5)	CCL22 (3.3)	CD40 (3.3)
0.66	>=0.20	EPB42 (5.3)	RANBP10 (3.5)	MTMR3 (3.4)

0.66	>=0.20	APOC4 (2.8)	LRP4 (2.3)	LIPG (2.2)
0.67	>=0.20	ST3GAL4 (3.8)	ENSG00000181123 (3	CETP (3.0)
0.67	>=0.20	FNBP4 (4.6)	INTS10 (3.9)	EDC4 (3.2)
0.67	>=0.20	FNBP4 (4.6)	INTS10 (3.9)	EDC4 (3.2)
0.67	>=0.20	FNBP4 (4.6)	INTS10 (3.9)	EDC4 (3.2)
0.67	>=0.20	CD40 (3.5)	CETP (3.1)	PTPRJ (2.7)
0.67	>=0.20	ZNF259 (5.2)	TOMM40 (4.1)	PRMT7 (3.4)
0.67	>=0.20	PRMT7 (3.6)	NUP93 (3.5)	UBR1 (2.6)
0.67	>=0.20	FZD9 (3.0)	PTPRZ1 (2.8)	DNAH10 (2.6)
0.67	>=0.20	NUTF2 (2.8)	PSMC3 (2.8)	DYM (2.6)
0.67	>=0.20	GPN2 (2.8)	PXK (2.7)	DCPS (2.7)
0.67	>=0.20	OASL (5.0)	EDC4 (2.6)	KPNB1 (2.5)
0.67	>=0.20	COQ9 (4.0)	PDHB (4.0)	ACAA2 (3.4)
0.67	>=0.20	MPHOSPH9 (2.6)	RSPO3 (2.2)	MED1 (2.1)
0.67	>=0.20	MACF1 (2.8)	RBPJ (2.7)	PSMC3 (2.7)
0.67	>=0.20	CD40 (3.6)	DPEP3 (3.3)	ABCA1 (3.2)
0.67	>=0.20	NDUFS3 (4.8)	COX19 (3.7)	DCPS (3.1)
0.67	>=0.20	NFATC3 (3.3)	DDB2 (3.1)	WDR76 (3.0)
0.67	>=0.20	KANK2 (3.8)	TGM5 (3.7)	CETP (3.1)
0.67	>=0.20	GPR146 (2.5)	PITPNM2 (2.4)	SPI1 (2.3)
0.67	>=0.20	OR5I1 (3.0)	TMED5 (2.9)	ENSG00000182109 (2
0.67	>=0.20	ZNF259 (4.6)	TOMM40 (3.8)	EIF3J (2.9)
0.67	>=0.20	MPP2 (3.9)	PPP1R1B (3.2)	PITPNM2 (3.2)
0.67	>=0.20	ACP2 (3.2)	PCSK7 (2.7)	FPR3 (2.3)
0.67	>=0.20	DOK4 (2.8)	RSPO3 (2.5)	PXK (2.4)
0.67	>=0.20	RANBP10 (3.9)	ATG13 (3.9)	AMFR (3.4)
0.67	>=0.20	CCDC116 (3.3)	DOCK6 (2.4)	MST1R (2.3)
0.67	>=0.20	ZNF259 (3.7)	PRMT7 (3.3)	C7orf50 (3.2)
0.67	>=0.20	CKAP5 (3.1)	BCL7B (3.0)	YDJC (2.9)
0.67	>=0.20	LILRA3 (3.4)	LILRB2 (3.0)	SNX10 (2.9)
0.67	>=0.20	SNORD58C (3.8)	ZNF259 (3.5)	TOMM40 (2.7)
0.67	>=0.20	TAGLN (12.6)	KANK2 (4.7)	ARHGAP1 (4.1)
0.67	>=0.20	COQ9 (5.9)	NDUFS3 (5.0)	PDHB (4.4)
0.67	>=0.20	NUDT21 (4.3)	THAP11 (4.0)	NUP93 (3.8)
0.67	>=0.20	CYP26A1 (3.1)	CELSR2 (2.7)	BCAM (2.6)
0.67	>=0.20	HDAC5 (3.1)	ZNF408 (2.8)	PXK (2.6)
0.67	>=0.20	HDAC5 (3.1)	ZNF408 (2.8)	PXK (2.6)
0.67	>=0.20	SFN (3.2)	PYY (3.1)	TRPS1 (2.9)
0.67	>=0.20	B3GNT9 (3.7)	ABCA8 (2.7)	TAGLN (2.6)
0.67	>=0.20	THAP11 (4.4)	FAM192A (4.4)	POLR2C (4.1)
0.67	>=0.20	KCTD10 (3.3)	DUSP3 (3.1)	UBE3B (3.0)
0.67	>=0.20	PTPRJ (2.9)	RAB11B (2.7)	AFF1 (2.5)
0.67	>=0.20	GRB7 (3.7)	PGAP3 (3.2)	CES4A (2.9)
0.67	>=0.20	TECTB (4.1)	ST3GAL4 (2.4)	SOST (2.0)
0.67	>=0.20	GPER (4.7)	NR0B2 (4.3)	CCDC11 (3.4)
0.67	>=0.20	CYP26A1 (3.1)	ERBB2 (2.9)	ENSG00000254235 (2
0.67	>=0.20	FNBP4 (4.9)	RBM5 (4.8)	RBM6 (4.4)
0.67	>=0.20	CCDC18 (5.5)	CKAP5 (4.8)	SKA1 (3.9)
0.67	>=0.20	CCDC18 (5.5)	CKAP5 (4.8)	SKA1 (3.9)
0.67	>=0.20	BMP8A (3.2)	SNX13 (2.6)	EXOC3L1 (2.5)

0.67 >=0.20	TECTB (4.5)	SOST (4.1)	FZD9 (3.3)
0.67 >=0.20	LIPG (3.5)	TRPS1 (3.4)	RSPO3 (3.4)
0.67 >=0.20	B3GNT9 (3.5)	PCSK7 (3.3)	TBL2 (3.2)
0.67 >=0.20	ZNF259 (4.5)	SLC7A6OS (3.4)	TOMM40 (3.2)
0.67 >=0.20	ENSG00000254235 (3	HNF4A (2.6)	DNAH10 (2.5)
0.67 >=0.20	RSPO3 (3.3)	CYP26A1 (3.1)	DOK4 (2.4)
0.67 >=0.20	ADAL (2.2)	PLTP (2.0)	MPP2 (2.0)
0.67 >=0.20	RBM5 (3.4)	SNX10 (3.0)	CPNE2 (2.8)
0.67 >=0.20	CCL17 (4.4)	CCL22 (3.5)	CD40 (3.2)
0.67 >=0.20	CYP26A1 (3.6)	LRP4 (3.4)	ETV5 (2.9)
0.67 >=0.20	MVK (4.4)	MMAB (3.7)	FADS1 (3.0)
0.67 >=0.20	ZNF259 (4.6)	TOMM40 (3.6)	DDX28 (3.0)
0.67 >=0.20	FPR3 (3.1)	TAGLN (2.7)	PITPNM2 (2.4)
0.67 >=0.20	TRPS1 (2.5)	MT1M (2.5)	GPIHBP1 (2.4)
0.67 >=0.20	CCL17 (2.7)	XKR8 (2.7)	ZNF615 (2.6)
0.67 >=0.20	CCL17 (2.7)	XKR8 (2.7)	ZNF615 (2.6)
0.67 >=0.20	ZFAND2A (5.4)	ARFGAP2 (2.8)	NFATC3 (2.4)
0.67 >=0.20	SETD8 (2.9)	AFF1 (2.8)	C1orf172 (2.5)
0.67 >=0.20	UBE3B (3.4)	SLC39A13 (2.8)	DUSP3 (2.8)
0.67 >=0.20	SMPD3 (3.7)	LRP4 (3.6)	PPP1R1B (3.4)
0.67 >=0.20	NDUFS3 (6.2)	PDHB (5.3)	COQ9 (5.3)
0.67 >=0.20	OASL (4.5)	RELB (4.2)	PSMC3 (3.3)
0.67 >=0.20	PSMC3 (6.2)	TMEM208 (4.2)	PSMB10 (4.0)
0.67 >=0.20	NUP160 (3.9)	NUDT21 (3.8)	EDC4 (3.8)
0.67 >=0.20	ZNF664 (4.0)	DR1 (3.4)	SBNO1 (3.0)
0.67 >=0.20	CCDC11 (4.0)	TSNAXIP1 (3.5)	RELB (2.7)
0.67 >=0.20	RELB (5.7)	MAFF (4.1)	BCL3 (3.1)
0.67 >=0.20	C18orf32 (3.8)	MBD1 (3.2)	DYM (3.2)
0.67 >=0.20	ZNF259 (4.9)	TOMM40 (4.0)	GPN2 (3.0)
0.67 >=0.20	KANK2 (3.9)	MBD1 (3.1)	DYM (2.9)
0.68 >=0.20	CCDC92 (3.1)	CCDC116 (2.9)	MADD (2.8)
0.68 >=0.20	RNF214 (4.2)	BCL7B (4.1)	MED1 (4.0)
0.68 >=0.20	ZNF259 (3.9)	TOMM40 (3.6)	EIF3J (3.4)
0.68 >=0.20	C17orf105 (4.1)	KCTD6 (2.0)	AFF1 (1.9)
0.68 >=0.20	YDJC (4.9)	C16orf86 (4.2)	TRADD (3.4)
0.68 >=0.20	MYO5B (3.6)	DGKG (2.8)	DOK4 (2.3)
0.68 >=0.20	TBL2 (3.4)	GALNT2 (3.4)	SDF2L1 (3.3)
0.68 >=0.20	LPA (3.8)	SLC22A1 (3.3)	APOC4 (3.1)
0.68 >=0.20	LRP4 (3.1)	PTPRZ1 (3.0)	KCTD6 (2.4)
0.68 >=0.20	ETV5 (4.1)	CASC4 (2.5)	DGKG (2.3)
0.68 >=0.20	FEN1 (4.0)	DDB2 (3.1)	WDR76 (2.7)
0.68 >=0.20	C1QTNF4 (2.4)	RSPO3 (2.4)	MADD (2.2)
0.68 >=0.20	NPEPPS (2.8)	CCNDBP1 (2.5)	LSM12 (2.3)
0.68 >=0.20	KIAA0895L (3.3)	ZFAND2A (2.8)	PDIA3 (2.7)
0.68 >=0.20	ETV5 (5.7)	KIAA0754 (3.8)	SPI1 (3.6)
0.68 >=0.20	CKAP5 (5.0)	CCDC18 (4.9)	SKA1 (4.2)
0.68 >=0.20	CKAP5 (5.0)	CCDC18 (4.9)	SKA1 (4.2)
0.68 >=0.20	SOST (4.9)	LRP4 (3.1)	TECTB (2.5)
0.68 >=0.20	FNBP4 (3.5)	RBM6 (3.3)	EDC4 (3.2)
0.68 >=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.4)

0.68	>=0.20	AFF1 (4.4)	SBNO1 (3.5)	ARFGAP2 (3.1)
0.68	>=0.20	IGF2R (2.8)	MAP1A (2.5)	HSF4 (2.4)
0.68	>=0.20	ARID1A (3.3)	MTF2 (3.3)	CITED2 (2.8)
0.68	>=0.20	CX3CL1 (4.1)	PPP1R1B (3.8)	CELSR2 (3.1)
0.68	>=0.20	OASL (5.3)	MTF2 (3.7)	SNORD58C (3.6)
0.68	>=0.20	FBXL20 (2.0)	ENSG00000226334 (2	TBKBP1 (2.0)
0.68	>=0.20	C17orf57 (3.7)	PNMT (3.0)	MT1H (2.2)
0.68	>=0.20	NUDT21 (3.3)	THAP11 (3.1)	CTDSPL2 (2.8)
0.68	>=0.20	RBM5 (3.4)	ARID1A (3.0)	HDAC5 (3.0)
0.68	>=0.20	DEPDC1 (6.9)	SKA1 (5.6)	CKAP5 (4.2)
0.68	>=0.20	MMAB (9.8)	MVK (7.5)	FADS2 (6.4)
0.68	>=0.20	NDUFS3 (5.8)	COQ9 (5.7)	PDHB (3.9)
0.68	>=0.20	NDUFS3 (5.8)	COQ9 (5.7)	PDHB (3.9)
0.68	>=0.20	FEN1 (4.4)	PSMC3 (4.1)	WDR76 (3.8)
0.68	>=0.20	CES4A (3.1)	MYO5B (3.0)	TGM7 (3.0)
0.68	>=0.20	MYBPC3 (7.1)	PDE3A (3.6)	BCAM (2.9)
0.68	>=0.20	CLPTM1 (4.0)	REEP3 (3.9)	SDF2L1 (3.1)
0.68	>=0.20	DEPDC1 (6.8)	SKA1 (5.1)	CENPT (4.4)
0.68	>=0.20	TRPS1 (4.9)	FZD9 (4.1)	LRP4 (3.0)
0.68	>=0.20	NEUROD2 (3.5)	MPP3 (3.4)	GNAO1 (2.9)
0.68	>=0.20	MADD (3.5)	UVRAG (3.0)	FPR3 (2.7)
0.68	>=0.20	PSMC3 (6.3)	PSMB10 (4.7)	MTCH2 (4.5)
0.68	>=0.20	RBM5 (4.1)	MED1 (3.2)	BAZ1B (3.0)
0.68	>=0.20	RAPSN (4.8)	TCAP (3.4)	PACSIN3 (3.1)
0.68	>=0.20	SPRYD5 (3.4)	AGBL2 (2.7)	COBLL1 (2.6)
0.68	>=0.20	CCDC11 (6.2)	TSNAXIP1 (6.1)	AGBL2 (4.2)
0.68	>=0.20	TMEM62 (3.5)	PTPMT1 (3.4)	NUP160 (2.8)
0.68	>=0.20	ARID1A (3.4)	TRPS1 (3.3)	CYP26A1 (2.7)
0.68	>=0.20	SLC12A3 (3.2)	HNF4A (2.4)	PDIA3 (2.2)
0.68	>=0.20	ENSG00000181296 (2	KCTD19 (2.2)	MT1M (2.0)
0.68	>=0.20	CPNE2 (2.5)	HNF4A (2.4)	LILRA3 (2.4)
0.68	>=0.20	DUSP3 (3.3)	KLF14 (2.9)	FRMD5 (2.3)
0.68	>=0.20	CCL17 (2.9)	CCL22 (2.5)	ABCA8 (2.4)
0.68	>=0.20	RELB (6.0)	CD40 (4.5)	CCL22 (4.2)
0.68	>=0.20	TAGLN (3.2)	KCTD10 (2.7)	CELF1 (2.6)
0.68	>=0.20	ZNF664 (2.5)	MPP2 (2.3)	GFOD2 (2.2)
0.68	>=0.20	CCDC116 (2.7)	TRIB1 (2.4)	PYY (2.2)
0.68	>=0.20	ARID1A (2.8)	PTPRZ1 (2.3)	KIAA0754 (2.2)
0.68	>=0.20	SBNO1 (3.8)	BUD13 (3.5)	NCOA5 (3.3)
0.68	>=0.20	ZDHHC18 (3.2)	RLTPR (2.7)	OR4A21P (2.4)
0.68	>=0.20	RELB (5.0)	CCL17 (4.5)	CCL22 (4.4)
0.68	>=0.20	PYY (7.5)	PPY (7.0)	ABCB9 (3.4)
0.68	>=0.20	DYM (3.3)	TGM7 (3.0)	MBD1 (2.5)
0.68	>=0.20	PSMC3 (5.8)	PSMB10 (4.1)	ZFAND2A (3.9)
0.69	>=0.20	COQ9 (5.8)	NDUFS3 (5.1)	PDHB (4.4)
0.69	>=0.20	COQ9 (5.8)	NDUFS3 (5.1)	PDHB (4.4)
0.69	>=0.20	PTPRZ1 (4.4)	CPNE2 (3.3)	LRRC29 (2.9)
0.69	>=0.20	ST3GAL4 (4.0)	PSKH1 (3.3)	GALNT2 (3.1)
0.69	>=0.20	EPB42 (5.4)	RANBP10 (3.7)	MTMR3 (3.4)
0.69	>=0.20	PLA2G15 (4.1)	CLPTM1 (3.8)	RLTPR (3.0)

0.69	>=0.20	KPNB1 (3.9)	KCTD10 (3.3)	ZFAND2A (3.2)
0.69	>=0.20	TAGLN (4.2)	APOA4 (4.2)	NAGS (3.2)
0.69	>=0.20	MTCH2 (4.3)	PSMC3 (3.7)	PDIA3 (3.6)
0.69	>=0.20	HERPUD1 (3.8)	PTPRZ1 (2.6)	PVRL2 (2.3)
0.69	>=0.20	UBE2L3 (3.7)	NPEPPS (2.6)	ZNF335 (2.6)
0.69	>=0.20	TRPS1 (4.8)	FZD9 (4.4)	PTPRZ1 (3.5)
0.69	>=0.20	PSMC3 (6.5)	ZFAND2A (4.6)	PSMB10 (4.4)
0.69	>=0.20	DUSP3 (3.0)	PXK (2.8)	UBE3B (2.8)
0.69	>=0.20	PSMC3 (4.6)	MTCH2 (3.9)	OGFOD1 (3.2)
0.69	>=0.20	OR5I1 (3.3)	EXOC3L1 (2.4)	ENSG00000255507 (2
0.69	>=0.20	KANK2 (3.4)	ENSG00000226645 (2	FHOD1 (2.5)
0.69	>=0.20	ZNF259 (4.7)	TOMM40 (3.1)	ENSG00000223745 (3
0.69	>=0.20	NLRC5 (3.8)	MADD (3.5)	GNAO1 (3.2)
0.69	>=0.20	ZNF259 (4.1)	TOMM40 (3.9)	EIF3J (3.5)
0.69	>=0.20	MADD (3.1)	UVRAG (2.7)	UBR1 (2.6)
0.69	>=0.20	LRRC29 (4.4)	ENSG00000254235 (3	AGBL2 (2.5)
0.69	>=0.20	DYM (3.6)	CCNDBP1 (3.5)	ENSG00000179523 (3
0.69	>=0.20	ZNF259 (4.4)	TOMM40 (3.5)	DDX28 (2.8)
0.69	>=0.20	PDIA3 (4.8)	ZFAND2A (4.7)	SDF2L1 (4.6)
0.69	>=0.20	SDF2L1 (3.8)	GALNT2 (3.5)	HERPUD1 (3.2)
0.69	>=0.20	LILRA3 (2.8)	DNAH10 (2.6)	TGM7 (2.6)
0.69	>=0.20	HERPUD1 (4.5)	DYM (3.9)	DUS2L (3.4)
0.69	>=0.20	HERPUD1 (4.5)	DYM (3.9)	DUS2L (3.4)
0.69	>=0.20	HERPUD1 (4.5)	DYM (3.9)	DUS2L (3.4)
0.69	>=0.20	C18orf32 (3.4)	MTCH2 (2.9)	PDHB (2.8)
0.69	>=0.20	MBD1 (4.0)	SNORD58C (3.7)	C18orf32 (3.5)
0.69	>=0.20	LRP4 (3.8)	SOST (3.1)	CYP26A1 (2.7)
0.69	>=0.20	ZNF259 (5.4)	TOMM40 (3.5)	ZNF408 (3.0)
0.69	>=0.20	ZNF259 (5.1)	TOMM40 (4.3)	EIF3J (3.2)
0.69	>=0.20	NCOA5 (3.3)	C12orf43 (3.0)	BUD13 (3.0)
0.69	>=0.20	CETP (2.7)	OR5J2 (2.1)	LILRA3 (2.0)
0.69	>=0.20	EXOC3L1 (3.6)	KANK2 (3.0)	DOCK6 (2.5)
0.69	>=0.20	NDUFS3 (3.8)	TOMM40 (2.8)	CIAPIN1 (2.6)
0.69	>=0.20	KCTD6 (2.3)	NEUROD2 (2.3)	CYP26A1 (2.1)
0.69	>=0.20	SLC12A4 (2.7)	TAGLN (2.5)	CTRL (2.3)
0.69	>=0.20	CLPTM1 (4.0)	MPP2 (2.8)	CCDC92 (2.7)
0.69	>=0.20	PTPRZ1 (3.8)	C1orf172 (3.3)	RSPO3 (3.3)
0.69	>=0.20	PTPRZ1 (3.2)	ENSG00000254235 (2	ABCB9 (2.6)
0.69	>=0.20	MT1G (3.2)	MT1X (3.1)	MT1F (3.0)
0.69	>=0.20	OR4A1P (3.7)	MADD (3.3)	HDAC5 (2.6)
0.69	>=0.20	ZNF259 (4.7)	TOMM40 (4.0)	PRMT7 (3.6)
0.69	>=0.20	NEUROD2 (4.4)	PTPRZ1 (3.5)	KIAA0895L (3.3)
0.69	>=0.20	ARID1A (3.7)	JMJD1C (3.0)	NUTF2 (3.0)
0.69	>=0.20	KPNB1 (4.7)	NUP93 (3.7)	PSMC3 (3.6)
0.69	>=0.20	CMIP (2.3)	RAB11B (2.2)	ETV5 (2.1)
0.69	>=0.20	ESRP2 (3.4)	TGM5 (3.3)	SFN (3.3)
0.69	>=0.20	EIF3J (2.5)	POLR2C (2.3)	LCMT2 (2.3)
0.69	>=0.20	GRB7 (4.9)	SFN (4.3)	ELMO3 (4.3)
0.69	>=0.20	GPIHBP1 (4.2)	PDE3A (3.4)	CD300LG (3.3)
0.69	>=0.20	BBS2 (4.8)	THAP11 (4.6)	PARD6A (4.4)

0.69 >=0.20	HNF4A (2.9)	PYY (2.8)	CELSR2 (2.4)
0.69 >=0.20	PSMC3 (6.3)	PSMB10 (4.8)	MTCH2 (4.5)
0.69 >=0.20	KLF14 (2.7)	B3GNT9 (2.1)	BCL7B (2.1)
0.69 >=0.20	TOMM40 (4.2)	ZNF259 (4.0)	EIF3J (3.5)
0.69 >=0.20	MYBPC3 (4.7)	CYP26A1 (3.7)	DOK4 (3.6)
0.69 >=0.20	TBL2 (4.2)	EIF3J (3.6)	G6PC3 (3.0)
0.69 >=0.20	PDE3A (3.3)	PITPNM2 (3.1)	CSGALNACT1 (3.0)
0.69 >=0.20	EDC4 (3.9)	E2F4 (3.7)	PCIF1 (3.7)
0.69 >=0.20	CCDC116 (3.5)	FPR3 (3.1)	ENSG00000226645 (3
0.69 >=0.20	SNORD58C (2.8)	KANK2 (2.8)	CSGALNACT1 (2.7)
0.69 >=0.20	COQ9 (2.7)	LPL (2.6)	ETV5 (2.4)
0.69 >=0.20	SFN (4.2)	ELMO3 (4.1)	LRRC29 (4.0)
0.69 >=0.20	NDUFS3 (6.1)	PDHB (4.0)	COQ9 (4.0)
0.69 >=0.20	RELB (4.5)	KPNB1 (3.4)	MACF1 (3.0)
0.69 >=0.20	OASL (9.3)	TRADD (3.5)	PSMB10 (2.5)
0.69 >=0.20	DPEP3 (8.6)	PLEKHG4 (3.9)	KCTD19 (3.6)
0.69 >=0.20	DOCK6 (4.0)	GPIHBP1 (3.9)	GPER (3.0)
0.7 >=0.20	DR1 (3.0)	PAFAH1B2 (2.9)	KCTD10 (2.4)
0.7 >=0.20	ZNF615 (2.5)	FPR3 (2.3)	PAFAH1B2 (2.3)
0.7 >=0.20	DOK4 (3.4)	TAGLN (2.8)	KCTD10 (2.7)
0.7 >=0.20	MYBPC3 (5.6)	PDE3A (4.6)	KANK2 (2.5)
0.7 >=0.20	PCSK7 (2.8)	PSMC3 (2.7)	MTCH2 (2.6)
0.7 >=0.20	BAZ1B (3.9)	BCL7B (3.5)	RBM6 (3.1)
0.7 >=0.20	UBE2L3 (3.4)	CLPTM1 (2.9)	SNX10 (2.9)
0.7 >=0.20	SLC12A3 (2.4)	RSPO3 (2.4)	ENSG00000179523 (2
0.7 >=0.20	TP53BP1 (3.5)	MED1 (3.0)	PGS1 (2.9)
0.7 >=0.20	ZNF259 (4.6)	TOMM40 (4.2)	C7orf50 (3.0)
0.7 >=0.20	PARD6A (5.4)	FAM192A (5.3)	ACD (5.2)
0.7 >=0.20	PARD6A (5.4)	FAM192A (5.3)	ACD (5.2)
0.7 >=0.20	DYM (3.6)	SNORD58C (3.5)	NUDT21 (2.7)
0.7 >=0.20	HNF1A (3.6)	YDJC (2.5)	DUS2L (2.4)
0.7 >=0.20	CYP2W1 (3.2)	TBKBP1 (3.0)	RLTPR (2.6)
0.7 >=0.20	PPY (4.6)	PYY (4.1)	CTRL (3.7)
0.7 >=0.20	TP53BP1 (3.8)	ZFAND2A (3.7)	PSMC3 (2.9)
0.7 >=0.20	OR5I1 (3.2)	CYP2W1 (2.7)	FRMD5 (2.5)
0.7 >=0.20	RAPSN (7.6)	NFATC3 (2.9)	JMJD1C (2.4)
0.7 >=0.20	ABCA1 (2.5)	LPL (2.0)	PDE3A (1.9)
0.7 >=0.20	DOCK6 (3.2)	TAGLN (3.2)	BCAM (2.9)
0.7 >=0.20	SLC12A3 (3.0)	AMBRA1 (2.7)	KLF14 (2.5)
0.7 >=0.20	LRP4 (3.0)	TRPS1 (2.9)	ENSG00000229043 (2
0.7 >=0.20	PGAP3 (3.7)	GRB7 (3.3)	PDE3A (3.2)
0.7 >=0.20	CCL17 (4.3)	CCL22 (3.1)	CD40 (3.0)
0.7 >=0.20	HSF4 (2.7)	CYP26A1 (2.1)	LPL (2.1)
0.7 >=0.20	NPEPPS (3.0)	GFOD2 (2.5)	FHOD1 (2.4)
0.7 >=0.20	MT1E (2.6)	MT1F (2.4)	NOL3 (2.1)
0.7 >=0.20	TRPS1 (3.4)	RSPO3 (2.6)	BMP8A (2.4)
0.7 >=0.20	ELMO3 (3.6)	PYY (3.3)	C1orf172 (3.3)
0.7 >=0.20	RSPO3 (3.9)	CYP26A1 (2.9)	TRPS1 (2.9)
0.7 >=0.20	PCIF1 (2.8)	NFATC3 (2.7)	PAFAH1B2 (2.7)
0.7 >=0.20	OGFOD1 (4.0)	NUP160 (3.9)	INTS10 (3.8)

0.7 >=0.20	PYY (3.3)	LIPG (3.3)	PPY (3.3)
0.7 >=0.20	SPG11 (3.3)	UVRAG (2.9)	NLRC5 (2.9)
0.7 >=0.20	DDB2 (2.8)	ZNF613 (2.3)	PSMB10 (2.2)
0.7 >=0.20	CIAPIN1 (3.5)	TOMM40 (3.1)	THAP11 (3.0)
0.7 >=0.20	ETV5 (2.9)	CETP (2.5)	CCL17 (2.3)
0.7 >=0.20	KIAA0754 (4.1)	ABCB9 (3.5)	LRRC29 (3.5)
0.7 >=0.20	C12orf65 (3.0)	YDJC (2.5)	BBS2 (2.3)
0.7 >=0.20	C16orf48 (2.7)	OR4A1P (2.5)	HNF4A (2.2)
0.7 >=0.20	DPEP3 (5.1)	MYO1H (3.0)	DNAH10 (3.0)
0.7 >=0.20	PYY (2.8)	C1orf172 (2.7)	ST3GAL4 (2.4)
0.7 >=0.20	DGAT2 (3.2)	DDX28 (2.7)	KCTD6 (2.6)
0.7 >=0.20	CCL17 (3.2)	CD40 (2.8)	ZDHHC18 (2.7)
0.7 >=0.20	RSPRY1 (3.1)	KLHL8 (2.9)	FNBP4 (2.8)
0.7 >=0.20	SLC12A3 (7.3)	PPP1R1B (3.3)	KCTD6 (3.2)
0.7 >=0.20	ZNF615 (3.0)	TTC39B (2.5)	ZNF614 (2.4)
0.7 >=0.20	BAZ1B (3.3)	RBM5 (3.3)	MED1 (3.3)
0.7 >=0.20	SPI1 (4.9)	CCDC92 (3.1)	PTPRJ (3.0)
0.7 >=0.20	ZNF259 (4.6)	TOMM40 (4.1)	SNORD58C (3.0)
0.7 >=0.20	OASL (3.8)	PIGV (3.4)	LILRB2 (3.3)
0.7 >=0.20	FNBP4 (4.4)	INTS10 (3.7)	EDC4 (3.3)
0.7 >=0.20	MBD1 (3.2)	DYM (3.2)	KCTD6 (3.1)
0.7 >=0.20	C18orf32 (3.4)	REEP3 (3.1)	KLHL8 (3.0)
0.7 >=0.20	OASL (4.1)	BBS2 (3.5)	FNBP4 (3.3)
0.7 >=0.20	OASL (4.1)	BBS2 (3.5)	FNBP4 (3.3)
0.7 >=0.20	ZNF259 (4.8)	TOMM40 (3.9)	SNORD58C (3.3)
0.7 >=0.20	LCMT2 (3.5)	ABHD6 (2.9)	PIGV (2.9)
0.7 >=0.20	LCMT2 (3.5)	ABHD6 (2.9)	PIGV (2.9)
0.7 >=0.20	CD40 (4.0)	RELB (3.7)	PSMB10 (3.3)
0.7 >=0.20	ABCB9 (2.9)	KANK2 (2.7)	GNAO1 (2.7)
0.7 >=0.20	ENSG00000226334 (3	RLTPR (2.4)	ENSG00000254235 (2
0.7 >=0.20	DUS2L (2.8)	ZNF615 (2.8)	ZNF614 (2.8)
0.7 >=0.20	DUS2L (2.8)	ZNF615 (2.8)	ZNF614 (2.8)
0.7 >=0.20	MPP3 (3.2)	MIEN1 (2.7)	GFOD2 (2.2)
0.7 >=0.20	ZNF259 (4.5)	EIF3J (3.5)	C12orf43 (3.1)
0.7 >=0.20	WDR76 (5.4)	FEN1 (5.3)	PSMC3 (4.5)
0.7 >=0.20	SFN (5.0)	TGM5 (4.1)	ESRP2 (3.1)
0.7 >=0.20	TCAP (4.3)	MYBPC3 (3.7)	DOK4 (2.6)
0.7 >=0.20	REEP3 (4.1)	PAFAH1B2 (3.5)	TNKS (3.1)
0.7 >=0.20	TBL2 (4.6)	B3GNT9 (4.5)	SLC39A13 (3.7)
0.7 >=0.20	ENSG00000226334 (3	NUTF2 (2.6)	PCIF1 (2.3)
0.7 >=0.20	CCNDBP1 (3.8)	NCOA5 (3.5)	THAP11 (2.3)
0.7 >=0.20	FEN1 (5.8)	WDR76 (5.5)	DDB2 (4.0)
0.7 >=0.20	CTRL (6.6)	MVK (4.8)	FADS1 (4.6)
0.7 >=0.20	ZNF259 (5.0)	TOMM40 (3.6)	C7orf50 (3.0)
0.7 >=0.20	CD40 (2.5)	RELB (2.5)	CYP26A1 (2.4)
0.7 >=0.20	TRADD (3.0)	SNX13 (2.9)	PSKH1 (2.2)
0.7 >=0.20	FEN1 (6.0)	WDR76 (5.8)	SKA1 (5.6)
0.7 >=0.20	CCNDBP1 (3.4)	MT1G (3.0)	NUTF2 (3.0)
0.7 >=0.20	CCNDBP1 (3.4)	MT1G (3.0)	NUTF2 (3.0)
0.7 >=0.20	TRPS1 (4.4)	FZD9 (3.3)	PLEKHG4 (3.2)

0.7	>=0.20	C1orf172 (5.7)	GRB7 (4.5)	ESRP2 (3.8)
0.71	>=0.20	TMEM101 (2.5)	KCTD6 (2.5)	DPEP3 (2.4)
0.71	>=0.20	LRRC29 (3.7)	C17orf105 (3.6)	NEUROD2 (3.1)
0.71	>=0.20	NLRC5 (11.1)	SDF2L1 (5.9)	PSMB10 (5.4)
0.71	>=0.20	SNORD58C (3.3)	C12orf43 (2.8)	ZNF259 (2.7)
0.71	>=0.20	ZNF335 (3.5)	FNBP4 (3.2)	ZNF259 (3.1)
0.71	>=0.20	SFN (3.0)	CELSR2 (2.7)	C1orf172 (2.4)
0.71	>=0.20	SFN (3.0)	CELSR2 (2.7)	C1orf172 (2.4)
0.71	>=0.20	SFN (3.0)	CELSR2 (2.7)	C1orf172 (2.4)
0.71	>=0.20	ZFAND2A (3.9)	PDIA3 (3.8)	TP53BP1 (3.3)
0.71	>=0.20	DDB2 (8.2)	SLC12A4 (3.7)	ANGPTL4 (2.6)
0.71	>=0.20	C17orf105 (2.5)	B3GNT9 (2.5)	ABCA8 (2.4)
0.71	>=0.20	G6PC3 (5.3)	TMEM175 (4.7)	PIGV (4.4)
0.71	>=0.20	HERPUD1 (6.1)	OGFOD1 (4.3)	VEGFA (3.4)
0.71	>=0.20	RELB (6.7)	CD40 (5.0)	BCL3 (4.8)
0.71	>=0.20	FNBP4 (2.9)	ZNF614 (2.3)	FZD9 (2.2)
0.71	>=0.20	NDUFS3 (6.1)	PDHB (4.5)	COQ9 (3.8)
0.71	>=0.20	SBNO1 (3.3)	APOE (2.6)	PAFAH1B2 (2.6)
0.71	>=0.20	NEUROD2 (3.3)	PTPRZ1 (3.0)	KLF14 (2.5)
0.71	>=0.20	SLC39A13 (2.7)	LRRC29 (2.6)	C16orf86 (2.2)
0.71	>=0.20	OASL (6.0)	DNAH10 (2.8)	TECTB (2.3)
0.71	>=0.20	LRP4 (3.2)	CYP26A1 (3.1)	ETV5 (3.0)
0.71	>=0.20	BCAM (4.7)	RSPO3 (4.4)	PVRL2 (3.7)
0.71	>=0.20	CCNDBP1 (3.4)	RLTPR (3.0)	CCDC92 (3.0)
0.71	>=0.20	OR5I1 (2.9)	HSF4 (2.7)	PSKH1 (2.6)
0.71	>=0.20	C17orf105 (3.3)	FEN1 (2.6)	THAP11 (2.2)
0.71	>=0.20	CMIP (3.0)	KLF14 (2.9)	KCTD10 (2.6)
0.71	>=0.20	ELMO3 (3.2)	KCTD6 (2.6)	PLA2G6 (2.5)
0.71	>=0.20	ZNF259 (4.1)	TOMM40 (3.3)	EIF3J (3.3)
0.71	>=0.20	YDJC (3.3)	DPEP3 (3.1)	NFATC3 (3.1)
0.71	>=0.20	CELSR2 (3.3)	MACF1 (3.0)	PTPRJ (2.8)
0.71	>=0.20	CKAP5 (5.8)	SKA1 (5.4)	CCDC18 (5.3)
0.71	>=0.20	GALNT2 (2.9)	PAFAH1B2 (2.9)	KANK2 (2.8)
0.71	>=0.20	SDF2L1 (5.6)	TMEM208 (4.8)	PDIA3 (3.9)
0.71	>=0.20	GNAO1 (3.3)	MAP1A (3.0)	MPP2 (3.0)
0.71	>=0.20	MED1 (3.0)	RBM6 (3.0)	UBE2L3 (2.8)
0.71	>=0.20	CD300LG (2.8)	ZSCAN29 (2.4)	AFF1 (2.2)
0.71	>=0.20	CD300LG (2.8)	ZSCAN29 (2.4)	AFF1 (2.2)
0.71	>=0.20	FEN1 (4.0)	CENPT (3.1)	MPHOSPH9 (2.8)
0.71	>=0.20	TRIB1 (3.7)	MAFF (3.4)	TP53BP1 (2.4)
0.71	>=0.20	UBR1 (3.1)	ZSCAN29 (2.8)	TP53BP1 (2.8)
0.71	>=0.20	ZDHHC18 (3.1)	TBL2 (2.9)	PTPMT1 (2.7)
0.71	>=0.20	C17orf105 (6.9)	KCTD19 (2.9)	BCAM (2.0)
0.71	>=0.20	ABCA8 (3.1)	APOE (2.5)	ABCA1 (2.4)
0.71	>=0.20	ETV5 (2.9)	PPP1R1B (2.3)	ENSG00000255507 (2
0.71	>=0.20	ABCA8 (2.6)	CYP2W1 (2.6)	ST3GAL4 (2.4)
0.71	>=0.20	PCSK7 (2.5)	PTPRZ1 (2.4)	SIDT2 (2.4)
0.71	>=0.20	FEN1 (6.6)	WDR76 (6.2)	SKA1 (4.5)
0.71	>=0.20	PSMC3 (5.3)	FEN1 (4.6)	WDR76 (4.4)
0.71	>=0.20	PSMC3 (5.3)	FEN1 (4.6)	WDR76 (4.4)

0.71 >=0.20	ETV5 (3.6)	VEGFA (3.5)	RSPO3 (3.2)
0.71 >=0.20	CKAP5 (5.6)	SKA1 (5.5)	CCDC18 (5.1)
0.71 >=0.20	PDE3A (3.3)	PITPNM2 (3.3)	CSGALNACT1 (3.3)
0.71 >=0.20	EIF3J (3.7)	SDF2L1 (3.1)	PDIA3 (2.8)
0.71 >=0.20	SFN (5.3)	C1orf172 (4.0)	ELMO3 (3.7)
0.71 >=0.20	ENSG00000181123 (3	C1QTNF4 (2.7)	TGM5 (2.7)
0.71 >=0.20	SPI1 (4.3)	CD40 (3.7)	LILRB2 (2.7)
0.71 >=0.20	MAP1A (3.3)	PLA2G15 (2.6)	PTPRZ1 (2.2)
0.71 >=0.20	ENSG00000179523 (4	SPRYD5 (3.7)	LCMT2 (2.5)
0.71 >=0.20	ZDHHC18 (2.7)	MACF1 (2.5)	SPI1 (2.4)
0.71 >=0.20	C11orf9 (3.1)	MYO1H (2.8)	ZNF408 (2.4)
0.71 >=0.20	ZNF259 (4.7)	TOMM40 (3.5)	PRMT7 (3.3)
0.71 >=0.20	DEPDC1 (7.1)	SKA1 (5.7)	CENPT (5.0)
0.71 >=0.20	CYP2W1 (4.5)	PCSK7 (4.1)	TRNP1 (3.5)
0.71 >=0.20	ENSG00000247445 (3	HCAR1 (3.3)	ZNF350 (2.7)
0.71 >=0.20	PCSK7 (3.6)	MTMR3 (3.4)	AFF1 (2.8)
0.71 >=0.20	ZNF259 (3.6)	TOMM40 (3.3)	C7orf50 (2.8)
0.71 >=0.20	DPEP3 (7.1)	C17orf105 (4.1)	KCTD19 (3.2)
0.71 >=0.20	ETV5 (3.2)	PVRL2 (2.7)	LRP4 (2.6)
0.71 >=0.20	C1orf172 (3.5)	PLEKHG4 (2.8)	CELSR2 (2.8)
0.72 >=0.20	RLTPR (3.3)	OR4A21P (2.7)	CCL22 (2.4)
0.72 >=0.20	IGF2R (3.3)	RSPRY1 (3.1)	KBTBD4 (2.8)
0.72 >=0.20	NDUFS3 (3.7)	EDC4 (3.5)	CXXC1 (3.5)
0.72 >=0.20	ABHD6 (3.1)	BACE1 (2.7)	ENSG00000236267 (2
0.72 >=0.20	PDE3A (5.1)	CD36 (3.1)	CSGALNACT1 (3.1)
0.72 >=0.20	NLRC5 (5.5)	PSMB10 (3.6)	COX19 (2.8)
0.72 >=0.20	PPP1R1B (2.6)	GNAO1 (2.6)	LRP4 (2.4)
0.72 >=0.20	C12orf43 (3.4)	GPN2 (2.9)	INTS10 (2.6)
0.72 >=0.20	C12orf43 (3.4)	GPN2 (2.9)	INTS10 (2.6)
0.72 >=0.20	ZNF664 (3.3)	NUTF2 (3.2)	FAM192A (3.1)
0.72 >=0.20	UBE2L3 (3.3)	CENPT (3.3)	PAFAH1B2 (3.1)
0.72 >=0.20	EXOC3L1 (4.1)	DOCK6 (2.9)	B3GNT9 (2.8)
0.72 >=0.20	SNORD58C (4.7)	RBM6 (3.5)	TOMM40 (3.1)
0.72 >=0.20	DDB2 (2.8)	IGF2R (2.5)	DPEP2 (2.1)
0.72 >=0.20	MYBPC3 (8.4)	PDE3A (4.1)	SOST (3.8)
0.72 >=0.20	APOE (4.0)	PLA2G15 (2.7)	PLTP (2.5)
0.72 >=0.20	CD40 (4.1)	NLRC5 (3.9)	CCL22 (3.7)
0.72 >=0.20	KIAA0754 (4.4)	C18orf32 (3.6)	ADAL (3.3)
0.72 >=0.20	RELB (3.0)	ZNF408 (2.8)	PSKH1 (2.6)
0.72 >=0.20	TAGLN (2.8)	KPNB1 (2.8)	UBE2L3 (2.5)
0.72 >=0.20	BBS2 (2.9)	OR4A21P (2.8)	STRC (2.6)
0.72 >=0.20	FPR3 (3.0)	PLTP (2.6)	DPEP2 (2.5)
0.72 >=0.20	RAPSN (5.2)	PACSIN3 (3.5)	KANK2 (3.4)
0.72 >=0.20	MPP2 (3.3)	CELSR2 (2.6)	NEUROD2 (2.5)
0.72 >=0.20	OASL (3.1)	PCIF1 (2.6)	BUD13 (2.5)
0.72 >=0.20	LRP4 (4.2)	CYP26A1 (3.2)	FZD9 (3.1)
0.72 >=0.20	COQ9 (6.0)	NDUFS3 (5.1)	PDHB (4.9)
0.72 >=0.20	GPER (6.0)	NR0B2 (4.1)	CCDC11 (2.8)
0.72 >=0.20	KCTD10 (4.4)	TAGLN (3.4)	ARHGAP1 (3.1)
0.72 >=0.20	NR0B2 (3.2)	HNF1A (3.1)	GPER (2.5)

0.72	>=0.20	MYO5B (3.3)	C11orf49 (3.1)	C18orf32 (2.6)
0.72	>=0.20	SLC12A3 (6.2)	KCTD6 (3.0)	DNAH10 (2.8)
0.72	>=0.20	UBE2L3 (3.0)	PPP1R1B (2.6)	BCL7B (2.5)
0.72	>=0.20	CCNDBP1 (3.8)	RANBP10 (3.4)	ARFGAP2 (3.4)
0.72	>=0.20	EPB42 (14.7)	RANBP10 (8.3)	GPR146 (4.3)
0.72	>=0.20	FEN1 (5.1)	PSMC3 (4.5)	SKA1 (4.0)
0.72	>=0.20	PDHB (4.3)	BBS2 (2.9)	MTCH2 (2.7)
0.72	>=0.20	C1orf172 (3.4)	GRB7 (3.3)	SMPD3 (3.2)
0.72	>=0.20	MAP1A (3.5)	MPP2 (3.1)	RLTPR (2.8)
0.72	>=0.20	ACD (3.3)	TOMM40 (3.2)	NUTF2 (3.1)
0.72	>=0.20	C1orf172 (6.7)	ESRP2 (5.4)	MYO5B (5.0)
0.72	>=0.20	BAZ1B (3.1)	NCOA5 (2.7)	ARID1A (2.7)
0.72	>=0.20	MYBPC3 (5.5)	KLF14 (5.0)	MPP3 (2.7)
0.72	>=0.20	SLC12A3 (4.4)	ABHD6 (2.6)	ENSG00000181296 (2
0.72	>=0.20	KCTD10 (3.2)	MPP3 (3.2)	DUSP3 (3.2)
0.72	>=0.20	WDR76 (6.2)	FEN1 (5.0)	CENPT (4.5)
0.72	>=0.20	MT1H (3.4)	MT1G (3.2)	MT1X (3.1)
0.72	>=0.20	PRMT7 (3.8)	DUS2L (3.7)	OGFOD1 (3.5)
0.72	>=0.20	TAGLN (5.0)	SFN (4.4)	BCAM (4.3)
0.72	>=0.20	PDE3A (2.8)	ST3GAL4 (2.5)	GPER (2.5)
0.72	>=0.20	POLR2C (3.4)	ZNF614 (2.9)	PCIF1 (2.8)
0.72	>=0.20	C12orf43 (4.1)	GPN2 (3.4)	KBTBD4 (2.6)
0.72	>=0.20	DR1 (3.0)	NCOA5 (2.8)	ARID1A (2.7)
0.72	>=0.20	ETV5 (5.3)	TRIB1 (3.6)	ENSG00000247867 (3
0.72	>=0.20	FEN1 (4.2)	WDR76 (3.9)	DDB2 (3.7)
0.72	>=0.20	CES4A (4.8)	REEP3 (3.5)	ERBB2 (3.3)
0.72	>=0.20	LILRB2 (3.6)	LILRA3 (3.5)	SPRYD5 (3.3)
0.72	>=0.20	LILRB2 (3.6)	LILRA3 (3.5)	SPRYD5 (3.3)
0.72	>=0.20	TRIB1 (2.4)	FNBP4 (2.4)	FRMD5 (2.3)
0.72	>=0.20	KLF14 (3.1)	B3GNT9 (2.3)	PARD6A (2.1)
0.72	>=0.20	SFN (2.9)	SLC39A13 (2.9)	MST1R (2.8)
0.72	>=0.20	FNBP4 (4.2)	CELF1 (3.8)	CBFB (3.5)
0.72	>=0.20	ENSG00000181123 (3	C12orf65 (3.2)	KCTD19 (3.0)
0.72	>=0.20	ZDHHC18 (4.3)	DPEP2 (3.4)	CCL17 (3.4)
0.72	>=0.20	EXOC3L1 (3.0)	OR5J2 (2.9)	BMP8A (2.8)
0.72	>=0.20	RELB (6.1)	CCL22 (5.3)	BCL3 (4.0)
0.72	>=0.20	ZNF259 (4.8)	TOMM40 (4.1)	EIF3J (3.2)
0.72	>=0.20	FADS1 (2.4)	TGM5 (2.3)	HSF4 (2.3)
0.72	>=0.20	MAP1A (3.7)	C11orf9 (3.0)	FRMD5 (2.7)
0.72	>=0.20	BCL7B (3.7)	POLR2C (3.5)	EIF3J (3.3)
0.72	>=0.20	KPNB1 (3.3)	FHOD1 (2.7)	BAZ1B (2.5)
0.72	>=0.20	PDE3A (3.4)	PITPNM2 (3.3)	CD300LG (3.1)
0.72	>=0.20	NEUROD2 (3.5)	PTPRZ1 (3.4)	C1QTNF4 (2.9)
0.73	>=0.20	FEN1 (3.7)	ARID1A (3.2)	WDR76 (3.1)
0.73	>=0.20	FNBP4 (3.7)	RBM6 (3.7)	BUD13 (3.2)
0.73	>=0.20	HERPUD1 (3.7)	COQ9 (3.3)	MTCH2 (2.8)
0.73	>=0.20	CCDC116 (3.3)	CATSPER2 (2.4)	STRC (2.3)
0.73	>=0.20	CCL22 (4.1)	DDB2 (3.5)	RELB (3.2)
0.73	>=0.20	TAGLN (3.6)	ESRP2 (2.6)	MACF1 (2.5)
0.73	>=0.20	CDK12 (4.7)	ERBB2 (4.6)	PGAP3 (3.4)

0.73	>=0.20	PITPNM2 (3.0)	NFATC3 (2.6)	SETD8 (2.5)
0.73	>=0.20	SLC12A3 (4.1)	ENSG00000223745 (2	ENSG00000256746 (2
0.73	>=0.20	TSNAXIP1 (9.4)	AGBL2 (7.0)	CCDC11 (7.0)
0.73	>=0.20	DUS2L (3.0)	ACAA2 (2.7)	ARFGAP2 (2.7)
0.73	>=0.20	TP53BP1 (3.5)	RNF214 (3.0)	SLC39A13 (2.9)
0.73	>=0.20	PTPRZ1 (5.6)	ETV5 (3.8)	CYP26A1 (3.3)
0.73	>=0.20	MED1 (3.9)	RAB11B (3.9)	PGAP3 (3.4)
0.73	>=0.20	NRBF2 (4.2)	HERPUD1 (3.4)	TBL2 (3.2)
0.73	>=0.20	COX19 (3.4)	PARD6A (3.0)	BCL7B (2.8)
0.73	>=0.20	SPI1 (3.5)	LILRB2 (3.2)	PTPRJ (3.0)
0.73	>=0.20	TAGLN (8.8)	ARHGAP1 (3.7)	MACF1 (3.5)
0.73	>=0.20	TBL2 (4.0)	G6PC3 (4.0)	TMEM101 (3.9)
0.73	>=0.20	TMEM175 (4.0)	PLA2G6 (3.5)	PCSK7 (3.5)
0.73	>=0.20	RELB (3.6)	SETD8 (2.9)	PTPRJ (2.9)
0.73	>=0.20	RBM6 (3.4)	MED1 (3.4)	CKAP5 (3.2)
0.73	>=0.20	ADAL (4.8)	UBR1 (4.2)	CCDC18 (3.8)
0.73	>=0.20	C12orf43 (3.2)	CTDSPL2 (2.8)	JMJD1C (2.8)
0.73	>=0.20	WDR76 (6.5)	FEN1 (6.2)	SKA1 (4.1)
0.73	>=0.20	ZNF259 (5.0)	TOMM40 (3.9)	EIF3J (3.1)
0.73	>=0.20	TSNAXIP1 (4.2)	DNAH10 (4.0)	COX19 (3.0)
0.73	>=0.20	ZNF259 (4.8)	TOMM40 (4.1)	EIF3J (3.4)
0.73	>=0.20	CCNDBP1 (3.6)	BCL7B (3.3)	EIF3J (3.2)
0.73	>=0.20	PSMC3 (6.1)	MTCH2 (4.3)	PSMB10 (4.0)
0.73	>=0.20	MAP1A (3.8)	MPP2 (3.7)	GNAO1 (3.6)
0.73	>=0.20	RLTPR (2.5)	TTC39B (2.3)	DDB2 (2.1)
0.73	>=0.20	LILRB2 (3.1)	SPI1 (2.8)	ZSCAN29 (2.8)
0.73	>=0.20	TMED5 (3.7)	SDF2L1 (3.2)	SNX13 (3.0)
0.73	>=0.20	TGM5 (3.7)	TECTB (2.6)	C11orf9 (2.5)
0.73	>=0.20	CCL17 (3.5)	CCL22 (3.3)	CD40 (2.6)
0.73	>=0.20	MYBPC3 (7.7)	TCAP (7.4)	COQ9 (5.1)
0.73	>=0.20	RSPRY1 (4.0)	APOA4 (3.6)	POLR2C (2.7)
0.73	>=0.20	CTRL (8.6)	SDF2L1 (4.3)	PPY (3.8)
0.73	>=0.20	ACAA2 (3.7)	PLA2G6 (2.7)	ZNF350 (2.3)
0.73	>=0.20	SKA1 (7.0)	DEPDC1 (7.0)	CKAP5 (4.8)
0.73	>=0.20	TOMM40 (3.7)	POLR2C (3.0)	DDX28 (2.9)
0.73	>=0.20	PSMC3 (5.6)	ZFAND2A (4.7)	EIF3J (3.5)
0.73	>=0.20	OR4A21P (2.7)	DNAH10 (2.6)	TGM7 (2.4)
0.73	>=0.20	WDR76 (4.8)	SKA1 (4.4)	FEN1 (4.2)
0.73	>=0.20	FZD9 (4.6)	CYP26A1 (3.6)	LRP4 (3.6)
0.73	>=0.20	GLUL (4.6)	CITED2 (3.1)	MT1H (2.9)
0.73	>=0.20	HNF1A (3.9)	ZNF614 (2.9)	C11orf9 (2.8)
0.73	>=0.20	MTMR3 (2.6)	PTPRJ (2.3)	PGAP3 (2.3)
0.73	>=0.20	FNBP4 (4.9)	RBM5 (3.6)	RBM6 (3.5)
0.73	>=0.20	ZNF614 (3.5)	TOMM40 (3.1)	DR1 (3.0)
0.73	>=0.20	TMEM175 (5.5)	TMEM101 (4.2)	G6PC3 (3.9)
0.73	>=0.20	HNF1A (3.9)	HNF4A (3.5)	ENSG00000236267 (3
0.73	>=0.20	RBM6 (3.4)	NCOA5 (3.4)	NEUROD2 (2.6)
0.73	>=0.20	C12orf43 (3.4)	KCTD10 (3.3)	DUSP3 (3.2)
0.73	>=0.20	C12orf43 (3.4)	KCTD10 (3.3)	DUSP3 (3.2)
0.73	>=0.20	PSMC3 (5.1)	MTCH2 (4.1)	ZFAND2A (3.3)

0.73	>=0.20	CDK12 (2.6)	FBXL20 (2.0)	MT1H (2.0)
0.73	>=0.20	TAGLN (4.4)	MACF1 (3.5)	KCTD10 (3.4)
0.73	>=0.20	ZFAND2A (5.1)	SDF2L1 (3.2)	RELB (3.0)
0.73	>=0.20	INTS10 (3.7)	PRMT7 (3.4)	PLA2G6 (2.6)
0.73	>=0.20	SLC12A3 (3.5)	MYO5B (3.4)	ABCB9 (2.8)
0.73	>=0.20	SLC12A3 (3.5)	MYO5B (3.4)	ABCB9 (2.8)
0.73	>=0.20	C18orf32 (3.6)	CCNDBP1 (2.8)	ENSG00000181296 (2
0.73	>=0.20	C18orf32 (3.6)	CCNDBP1 (2.8)	ENSG00000181296 (2
0.73	>=0.20	NEUROD2 (3.4)	ENSG00000181123 (3	EXOC3L1 (2.9)
0.73	>=0.20	IGF2R (2.8)	BMP8A (2.7)	PTPRZ1 (2.4)
0.73	>=0.20	ZNF259 (4.8)	TOMM40 (3.8)	EIF3J (3.0)
0.73	>=0.20	SNORD58C (3.7)	DYM (3.1)	C18orf32 (3.0)
0.73	>=0.20	NCOA5 (2.6)	ZNF613 (2.3)	MED1 (2.3)
0.73	>=0.20	ZNF259 (4.4)	PRMT7 (3.8)	TOMM40 (3.4)
0.73	>=0.20	ENSG00000254235 (3	CES4A (2.7)	SNORD58C (2.4)
0.73	>=0.20	PDE3A (5.0)	CSGALNACT1 (3.2)	CD36 (3.0)
0.73	>=0.20	SNORD58C (3.1)	NCOA5 (2.9)	NUTF2 (2.9)
0.73	>=0.20	MPP3 (2.7)	TP53BP1 (2.7)	PTPRJ (2.5)
0.73	>=0.20	PTPRJ (3.8)	RELB (3.7)	BCL3 (3.3)
0.73	>=0.20	PSMC3 (3.4)	KPNB1 (3.1)	MTCH2 (2.8)
0.73	>=0.20	TSNAXIP1 (9.1)	AGBL2 (7.7)	CCDC11 (7.5)
0.73	>=0.20	MACF1 (3.1)	PACSIN3 (3.0)	UBE3B (2.9)
0.73	>=0.20	C1orf172 (3.7)	ESRP2 (3.6)	ELMO3 (3.0)
0.73	>=0.20	FZD9 (2.9)	PPY (2.2)	CYP26A1 (2.1)
0.73	>=0.20	OGFOD1 (3.8)	NUP93 (3.2)	MAP1A (2.9)
0.73	>=0.20	ZNF259 (3.3)	SNORD58C (3.2)	TOMM40 (3.1)
0.73	>=0.20	NLRC5 (6.3)	TCAP (5.2)	RAPSN (3.9)
0.73	>=0.20	ZNF335 (4.0)	RBM6 (3.5)	C12orf43 (3.5)
0.74	>=0.20	NDUFS3 (4.1)	PTPMT1 (3.3)	MTCH2 (3.2)
0.74	>=0.20	RAPSN (5.4)	FZD9 (3.6)	KLF14 (3.6)
0.74	>=0.20	PPY (5.6)	CTRL (3.2)	ENSG00000226334 (2
0.74	>=0.20	KLF14 (3.0)	PDE3A (2.4)	B3GNT9 (2.3)
0.74	>=0.20	MST1R (4.0)	DOCK6 (3.1)	ESRP2 (2.8)
0.74	>=0.20	SDF2L1 (5.6)	TMEM208 (4.6)	PDIA3 (4.1)
0.74	>=0.20	KPNB1 (2.8)	AMFR (2.6)	MFAP1 (2.2)
0.74	>=0.20	SNORD58C (3.6)	ZNF259 (2.8)	NUTF2 (2.8)
0.74	>=0.20	ZNF259 (4.1)	TOMM40 (3.7)	EIF3J (2.8)
0.74	>=0.20	GNAO1 (3.7)	PPP1R1B (3.5)	C1QTNF4 (2.8)
0.74	>=0.20	PSMC3 (4.5)	TOMM40 (3.4)	PDHB (2.9)
0.74	>=0.20	WDR76 (4.6)	FEN1 (4.2)	CTDSPL2 (3.6)
0.74	>=0.20	NLRC5 (3.2)	CD40 (3.1)	XKR8 (3.1)
0.74	>=0.20	RELB (7.3)	BCL3 (4.1)	SIK3 (4.0)
0.74	>=0.20	CXXC1 (3.1)	CCNDBP1 (2.8)	EDC4 (2.8)
0.74	>=0.20	CES4A (4.6)	TMEM62 (4.0)	REEP3 (3.7)
0.74	>=0.20	APOA4 (3.7)	NAGS (3.6)	APOC3 (3.6)
0.74	>=0.20	ZNF664 (4.4)	PLA2G6 (3.3)	CELSR2 (3.2)
0.74	>=0.20	COX19 (3.3)	SBNO1 (3.3)	ENSG00000256746 (2
0.74	>=0.20	EDC4 (3.9)	NUP160 (3.8)	NUDT21 (3.3)
0.74	>=0.20	CCDC18 (3.1)	RAB11B (3.1)	PLA2G6 (2.9)
0.74	>=0.20	BMP8A (3.4)	NEUROD2 (3.2)	CASC4 (2.9)

0.74	>=0.20	BCAM (3.2)	KANK2 (3.0)	DOK4 (2.8)
0.74	>=0.20	PSMC3 (3.4)	POLR2C (3.0)	UBE2L3 (2.8)
0.74	>=0.20	SPRYD5 (3.5)	PYY (3.4)	RAPSN (2.9)
0.74	>=0.20	DOK4 (3.8)	MYBPC3 (3.5)	SOST (3.5)
0.74	>=0.20	SKA1 (4.4)	WDR76 (4.1)	FEN1 (3.6)
0.74	>=0.20	CD40 (3.7)	FPR3 (3.2)	RELB (3.2)
0.74	>=0.20	PTPRZ1 (3.2)	ENSG00000226334 (2	TMEM175 (2.4)
0.74	>=0.20	EDC4 (4.0)	NUP160 (3.8)	NUDT21 (3.4)
0.74	>=0.20	FEN1 (5.7)	WDR76 (5.0)	SKA1 (5.0)
0.74	>=0.20	SOST (5.1)	TECTB (4.9)	SLC12A3 (3.2)
0.74	>=0.20	TRPS1 (4.7)	CELSR2 (3.3)	KIAA0754 (2.3)
0.74	>=0.20	MYBPC3 (7.6)	TCAP (7.3)	COQ9 (5.3)
0.74	>=0.20	GRB7 (3.9)	PGAP3 (3.9)	SLC12A4 (2.1)
0.74	>=0.20	C11orf9 (3.5)	GNAO1 (3.4)	PYY (3.1)
0.74	>=0.20	LRP4 (3.5)	CYP26A1 (3.3)	CELSR2 (3.3)
0.74	>=0.20	MPP3 (3.6)	DUSP3 (3.5)	KCTD10 (3.0)
0.74	>=0.20	GNAO1 (2.9)	CELSR2 (2.7)	CX3CL1 (2.5)
0.74	>=0.20	NEUROD2 (3.4)	KIAA0895L (3.0)	NCOA5 (2.9)
0.74	>=0.20	SOST (3.8)	LRP4 (3.7)	SLC39A13 (3.3)
0.74	>=0.20	DPEP3 (6.8)	SBNO1 (2.6)	PLEKHG4 (2.5)
0.74	>=0.20	C12orf43 (3.4)	DUSP3 (3.4)	KCTD10 (3.2)
0.74	>=0.20	NEUROD2 (5.2)	GNAO1 (3.4)	MADD (3.3)
0.74	>=0.20	DDX28 (3.1)	MTF2 (2.5)	SBNO1 (2.5)
0.74	>=0.20	BCL7B (6.1)	NCOA5 (3.6)	ZNF335 (2.8)
0.74	>=0.20	SLC12A3 (9.2)	MT1G (3.7)	MT1H (3.7)
0.74	>=0.20	SLC12A3 (5.6)	HNF4A (3.4)	PLG (2.9)
0.74	>=0.20	NLRC5 (9.4)	PSMB10 (4.4)	SDF2L1 (4.0)
0.74	>=0.20	NLRC5 (9.4)	PSMB10 (4.4)	SDF2L1 (4.0)
0.74	>=0.20	SKA1 (2.5)	CKAP5 (2.5)	RBM6 (2.5)
0.74	>=0.20	SKA1 (2.5)	CKAP5 (2.5)	RBM6 (2.5)
0.74	>=0.20	SKA1 (2.5)	CKAP5 (2.5)	RBM6 (2.5)
0.74	>=0.20	TP53BP1 (4.3)	UBR1 (3.7)	ENSG00000179523 (3
0.74	>=0.20	ZNF259 (3.5)	DCPS (3.5)	OGFOD1 (3.4)
0.74	>=0.20	KLF14 (3.7)	LIPG (2.6)	OR4A21P (2.3)
0.74	>=0.20	MACF1 (4.2)	TAGLN (3.9)	ARHGAP1 (3.4)
0.74	>=0.20	ETV5 (3.1)	PDE3A (2.7)	C11orf9 (2.5)
0.74	>=0.20	KCTD10 (3.5)	TAGLN (3.4)	ARHGAP1 (2.8)
0.74	>=0.20	CYP26A1 (3.9)	NPEPPS (3.2)	ARID1A (2.3)
0.75	>=0.20	CCNDBP1 (3.5)	SLC7A6OS (3.2)	UBE2L3 (3.2)
0.75	>=0.20	KLHL8 (4.2)	DPEP3 (3.4)	YDJC (2.9)
0.75	>=0.20	SNORD58C (2.6)	CENPT (2.6)	NCOA5 (2.5)
0.75	>=0.20	RELB (5.1)	SIK3 (3.1)	UVRAG (3.1)
0.75	>=0.20	NUTF2 (2.8)	SNORD58C (2.8)	NCOA5 (2.5)
0.75	>=0.20	KLF14 (3.0)	B3GNT9 (2.4)	DUSP3 (2.4)
0.75	>=0.20	OASL (6.3)	NLRC5 (3.9)	PSMB10 (3.2)
0.75	>=0.20	PSMC3 (5.9)	PSMB10 (4.5)	MTCH2 (3.5)
0.75	>=0.20	DEPDC1 (4.4)	CKAP5 (4.3)	CENPT (3.8)
0.75	>=0.20	ZNF259 (4.7)	TOMM40 (3.9)	EIF3J (3.0)
0.75	>=0.20	MED1 (4.2)	NCOA5 (3.4)	RAB11B (3.2)
0.75	>=0.20	TCAP (6.1)	PACSIN3 (4.2)	MYBPC3 (3.9)

0.75	>=0.20	NDUFS3 (6.6)	COQ9 (4.4)	PDHB (4.2)
0.75	>=0.20	TCAP (3.6)	PACSIN3 (3.1)	RAB11B (3.1)
0.75	>=0.20	EIF3J (3.8)	ZNF259 (3.5)	TBL2 (2.8)
0.75	>=0.20	ENSG00000223745 (3	DNAH10 (2.9)	C16orf86 (2.3)
0.75	>=0.20	DYM (3.3)	CCNDBP1 (3.1)	JMJD1C (3.1)
0.75	>=0.20	C17orf105 (5.8)	KCTD19 (3.6)	TTBK2 (2.5)
0.75	>=0.20	MYBPC3 (7.6)	TCAP (6.9)	COQ9 (3.9)
0.75	>=0.20	PTPRZ1 (2.7)	ENSG00000254235 (2	ENSG00000247867 (2
0.75	>=0.20	NUTF2 (3.4)	SNORD58C (3.2)	NUP160 (2.6)
0.75	>=0.20	TCAP (3.0)	PSMB10 (2.8)	TAGLN (2.5)
0.75	>=0.20	SNORD58C (2.8)	ZNF259 (2.7)	NUTF2 (2.5)
0.75	>=0.20	TP53BP1 (3.4)	ZFAND2A (3.0)	ENSG00000179523 (2
0.75	>=0.20	TAGLN (3.4)	C11orf9 (3.3)	MACF1 (2.5)
0.75	>=0.20	EPB42 (3.1)	C12orf65 (2.8)	GLUL (2.8)
0.75	>=0.20	GPN2 (3.7)	MIEN1 (3.6)	NRBF2 (3.2)
0.75	>=0.20	MYBPC3 (6.8)	DNAH10 (3.9)	PDE3A (2.9)
0.75	>=0.20	BACE1 (2.9)	ENSG00000181123 (2	CELSR2 (2.7)
0.75	>=0.20	TTC39B (3.8)	ZNF664 (2.7)	PCSK7 (2.6)
0.75	>=0.20	ZNF259 (4.2)	TOMM40 (3.6)	PRMT7 (3.4)
0.75	>=0.20	PACSIN3 (2.9)	HDAC5 (2.6)	TNKS (2.6)
0.75	>=0.20	CCL17 (3.1)	COBLL1 (3.0)	CCL22 (2.7)
0.75	>=0.20	THAP11 (5.9)	PARD6A (4.2)	CENPT (4.1)
0.75	>=0.20	NLRC5 (3.2)	CD40 (3.1)	ZNF615 (3.0)
0.75	>=0.20	ZNF259 (4.9)	TOMM40 (3.1)	SLC7A6OS (3.1)
0.75	>=0.20	CENPT (5.5)	DEPDC1 (5.1)	SKA1 (4.3)
0.75	>=0.20	LILRB2 (4.2)	SLC12A3 (3.8)	FPR3 (3.8)
0.75	>=0.20	SLC7A6OS (3.3)	MIEN1 (3.2)	TMEM208 (3.1)
0.75	>=0.20	BAZ1B (2.9)	KPNB1 (2.8)	FEN1 (2.3)
0.75	>=0.20	BAZ1B (3.7)	BUD13 (3.6)	ZNF335 (3.4)
0.75	>=0.20	C12orf43 (3.6)	ZNF259 (3.5)	GPN2 (3.4)
0.75	>=0.20	BCL7B (2.3)	TRNP1 (2.3)	CSGALNACT1 (2.2)
0.75	>=0.20	MT1G (5.0)	MT1E (4.9)	MT1F (4.5)
0.75	>=0.20	ARFGAP2 (3.1)	DYM (2.6)	TTBK2 (2.3)
0.75	>=0.20	SPRYD5 (4.0)	PTPRZ1 (3.3)	TECTB (2.6)
0.75	>=0.20	PDE3A (3.9)	CSGALNACT1 (3.6)	C1QTNF4 (2.7)
0.75	>=0.20	MYBPC3 (7.7)	TCAP (7.5)	PACSIN3 (4.0)
0.75	>=0.20	KLHL8 (2.6)	UBR1 (2.5)	NFATC3 (2.5)
0.75	>=0.20	CCNDBP1 (4.4)	RANBP10 (4.0)	TP53BP1 (3.6)
0.75	>=0.20	SNORD58C (3.4)	ZNF259 (3.3)	FNBP4 (2.5)
0.75	>=0.20	MACF1 (3.3)	SIK3 (3.0)	C11orf9 (2.9)
0.75	>=0.20	RLTPR (3.4)	CCDC92 (3.0)	MADD (2.8)
0.75	>=0.20	FEN1 (5.1)	WDR76 (4.8)	DDB2 (4.6)
0.75	>=0.20	TECTB (8.0)	LRP4 (4.1)	FZD9 (4.0)
0.75	>=0.20	NDUFS3 (6.4)	COQ9 (5.5)	PDHB (5.5)
0.75	>=0.20	PRMT7 (2.8)	NUP160 (2.7)	PTPMT1 (2.5)
0.75	>=0.20	MYBPC3 (4.6)	TCAP (3.8)	RAPSN (3.3)
0.75	>=0.20	DGKG (4.0)	DOK4 (3.2)	MYO5B (3.0)
0.75	>=0.20	DDX28 (4.0)	ZNF259 (4.0)	LCMT2 (3.6)
0.75	>=0.20	CDK12 (5.4)	PGAP3 (5.1)	FBXL20 (4.5)
0.75	>=0.20	SDF2L1 (5.1)	TBL2 (4.3)	PDIA3 (4.1)

0.75	>=0.20	FNBP4 (4.0)	NUP93 (3.3)	SNORD58C (3.3)
0.75	>=0.20	SLC12A3 (2.7)	ENSG00000247445 (2	ENSG00000226645 (2
0.75	>=0.20	ZFAND2A (3.8)	CD40 (3.2)	PAFAH1B2 (2.8)
0.75	>=0.20	TBL2 (4.2)	B3GNT9 (3.7)	SLC39A13 (3.5)
0.75	>=0.20	CCL17 (3.1)	CCL22 (2.5)	ENSG00000247445 (2
0.75	>=0.20	BCL7B (5.1)	NCOA5 (4.0)	ZNF335 (3.3)
0.75	>=0.20	ZNF613 (2.7)	UBE3B (2.6)	MACF1 (2.4)
0.75	>=0.20	ZNF259 (5.0)	TOMM40 (3.8)	EIF3J (3.7)
0.75	>=0.20	WDR76 (6.1)	FEN1 (5.7)	CTDSPL2 (4.8)
0.75	>=0.20	GNAO1 (3.6)	MAP1A (3.3)	PPP1R1B (2.9)
0.75	>=0.20	MAP1A (3.6)	C11orf9 (3.2)	FRMD5 (2.6)
0.75	>=0.20	MAP1A (3.6)	C11orf9 (3.2)	FRMD5 (2.6)
0.75	>=0.20	SLC12A3 (3.5)	MYO5B (3.4)	ABCB9 (3.0)
0.75	>=0.20	DYM (4.1)	RAB11B (3.9)	C18orf32 (3.7)
0.75	>=0.20	G6PC3 (5.8)	TMEM175 (5.2)	ERBB2 (4.7)
0.76	>=0.20	PTPRZ1 (2.7)	LRP4 (2.6)	OR5I1 (2.2)
0.76	>=0.20	NUTF2 (2.3)	UBE2L3 (2.1)	SNORD58C (1.8)
0.76	>=0.20	GNAO1 (4.3)	DGKG (4.1)	NEUROD2 (4.0)
0.76	>=0.20	PTPRZ1 (3.5)	SPRYD5 (2.6)	FRMD5 (2.4)
0.76	>=0.20	C11orf9 (4.8)	PTPRZ1 (3.8)	APOE (3.6)
0.76	>=0.20	NEUROD2 (5.8)	MPP3 (3.7)	PTPRZ1 (2.9)
0.76	>=0.20	C11orf49 (3.9)	KCTD10 (3.7)	CCDC92 (3.1)
0.76	>=0.20	DDB2 (3.0)	OASL (2.5)	C12orf65 (2.2)
0.76	>=0.20	LILRB2 (2.9)	ZSCAN29 (2.8)	SPI1 (2.8)
0.76	>=0.20	SLC12A3 (2.6)	FZD9 (2.4)	CYP26A1 (2.3)
0.76	>=0.20	ZSCAN29 (4.6)	LCMT2 (3.8)	YDJC (3.6)
0.76	>=0.20	TBL2 (3.8)	ATG13 (3.3)	B3GNT9 (3.1)
0.76	>=0.20	ENSG00000247445 (2	FPR3 (2.4)	ST3GAL4 (2.3)
0.76	>=0.20	DNAH10 (3.1)	CCL22 (3.1)	CCL17 (3.0)
0.76	>=0.20	ETV5 (3.8)	ENSG00000256746 (3	DNAH10 (2.9)
0.76	>=0.20	KLHL8 (2.8)	DDB2 (2.6)	PSMB10 (2.5)
0.76	>=0.20	GPIHBP1 (3.2)	APOE (2.9)	CELSR2 (2.8)
0.76	>=0.20	TRPS1 (3.7)	PTPRZ1 (3.5)	FZD9 (3.5)
0.76	>=0.20	BUD13 (3.8)	CITED2 (2.5)	DR1 (2.4)
0.76	>=0.20	TOMM40 (3.6)	DDX28 (3.3)	SBNO1 (2.8)
0.76	>=0.20	PPY (4.0)	ZNF350 (2.7)	KCTD19 (2.7)
0.76	>=0.20	RBM6 (3.8)	FNBP4 (3.8)	RBM5 (3.3)
0.76	>=0.20	RBM6 (3.8)	FNBP4 (3.8)	RBM5 (3.3)
0.76	>=0.20	SPI1 (3.1)	TTBK2 (2.6)	PXK (2.5)
0.76	>=0.20	RAPSN (7.7)	PACSIN3 (2.6)	JMJD1C (2.6)
0.76	>=0.20	PDIA3 (4.5)	SDF2L1 (3.5)	TOMM40 (3.0)
0.76	>=0.20	DNAH10 (5.0)	ENSG00000181123 (3	RSPO3 (2.8)
0.76	>=0.20	AMFR (3.3)	TRADD (3.3)	PIGV (2.9)
0.76	>=0.20	LRP4 (2.4)	ACP2 (2.4)	TRPS1 (2.1)
0.76	>=0.20	DCPS (3.9)	UBE2L3 (3.9)	BCL7B (3.3)
0.76	>=0.20	PLA2G15 (4.3)	DPEP2 (3.6)	PLTP (3.2)
0.76	>=0.20	ENSG00000236267 (3	CCL17 (3.1)	AGBL2 (2.8)
0.76	>=0.20	ENSG00000256746 (3	OR5J2 (3.5)	DNAH10 (3.2)
0.76	>=0.20	MT1F (3.9)	MT1G (3.5)	PGAP3 (3.4)
0.76	>=0.20	PTPRZ1 (4.1)	SOST (2.8)	FZD9 (2.4)

0.76	>=0.20	ZNF408 (2.9)	UVRAG (2.6)	LCMT2 (2.6)
0.76	>=0.20	TAGLN (8.0)	ARHGAP1 (3.8)	MACF1 (3.8)
0.76	>=0.20	ST3GAL4 (4.4)	PRMT7 (3.4)	ZNF259 (3.4)
0.76	>=0.20	PYY (2.9)	KIAA0754 (2.7)	CCL17 (2.6)
0.76	>=0.20	COBLL1 (2.7)	PAFAH1B2 (2.6)	MYO5B (2.5)
0.76	>=0.20	DDB2 (2.9)	C17orf57 (2.2)	ZNF613 (2.2)
0.76	>=0.20	DDB2 (2.9)	C17orf57 (2.2)	ZNF613 (2.2)
0.76	>=0.20	CDK12 (4.8)	ERBB2 (4.3)	PGAP3 (3.7)
0.76	>=0.20	CYP26A1 (3.5)	PTPRZ1 (3.4)	LRP4 (2.7)
0.76	>=0.20	PDE3A (4.0)	ENSG00000236267 (2	PYY (2.6)
0.76	>=0.20	FZD9 (4.3)	KLF14 (3.5)	GPER (2.9)
0.76	>=0.20	CYP26A1 (4.1)	PTPRZ1 (3.9)	SOST (3.2)
0.76	>=0.20	TCAP (3.6)	TAGLN (3.3)	MYBPC3 (3.2)
0.76	>=0.20	CCL17 (3.5)	LRRC29 (2.9)	PGS1 (2.9)
0.76	>=0.20	NEUROD2 (6.2)	ENSG00000247445 (2	OR5I1 (2.5)
0.76	>=0.20	ARID1A (2.6)	BAZ1B (2.6)	WDR76 (2.5)
0.76	>=0.20	TECTB (5.1)	GPAM (2.9)	PLTP (2.7)
0.76	>=0.20	PDIA3 (3.7)	SDF2L1 (3.0)	NUTF2 (3.0)
0.76	>=0.20	ARID1A (4.3)	FHOD1 (3.6)	NFATC3 (3.1)
0.76	>=0.20	LSM12 (2.7)	SNORD58C (2.7)	FNBP4 (2.6)
0.76	>=0.20	MADD (3.5)	PITPNM2 (3.0)	HDAC5 (3.0)
0.76	>=0.20	MPP2 (3.4)	TRNP1 (2.8)	GNAO1 (2.5)
0.76	>=0.20	TCAP (3.8)	RAB11B (3.2)	PACSIN3 (3.1)
0.76	>=0.20	ZFAND2A (2.8)	TOMM40 (2.5)	PDIA3 (2.4)
0.76	>=0.20	KIAA0754 (2.5)	DPEP2 (2.3)	GNAO1 (2.2)
0.76	>=0.20	SLC12A3 (4.8)	HNF4A (3.3)	PLG (3.0)
0.76	>=0.20	PDIA3 (7.8)	SDF2L1 (6.8)	PYY (3.3)
0.76	>=0.20	CIAPIN1 (4.4)	DUS2L (4.2)	NUTF2 (3.6)
0.76	>=0.20	COBLL1 (2.1)	CETP (1.9)	BCL7B (1.9)
0.76	>=0.20	DPEP3 (4.4)	C17orf105 (3.3)	KCTD19 (2.4)
0.76	>=0.20	EXOC3L1 (3.2)	ENSG00000254235 (3	GPER (2.9)
0.76	>=0.20	RBM5 (3.8)	BUD13 (3.5)	THAP11 (3.5)
0.76	>=0.20	HNF1A (2.3)	NAGS (2.3)	HSF4 (2.3)
0.76	>=0.20	NDUFS3 (6.2)	COQ9 (4.2)	PDHB (4.1)
0.76	>=0.20	OASL (10.1)	MTF2 (3.3)	SNORD58C (2.6)
0.76	>=0.20	EPB42 (3.7)	MACF1 (2.9)	PITPNM2 (2.8)
0.76	>=0.20	ENSG00000247867 (3	ZSCAN29 (3.2)	C16orf86 (2.7)
0.76	>=0.20	THAP11 (4.0)	FAM192A (3.3)	CBFB (3.1)
0.76	>=0.20	NUP160 (3.5)	CKAP5 (3.2)	UBR1 (3.0)
0.76	>=0.20	MYO5B (2.7)	ERBB2 (2.5)	BCAM (2.4)
0.76	>=0.20	ETV5 (3.4)	CTDSPL2 (2.8)	MTMR3 (2.5)
0.76	>=0.20	EDC4 (3.1)	NFATC3 (3.1)	POLR2C (2.9)
0.76	>=0.20	ZNF614 (3.3)	BUD13 (3.2)	POLR2C (3.1)
0.76	>=0.20	MAP1A (4.2)	C11orf9 (3.5)	SIK3 (3.3)
0.76	>=0.20	UBR1 (3.7)	TP53BP1 (3.2)	CCNDBP1 (3.1)
0.76	>=0.20	TCAP (7.1)	RAPSN (3.6)	PACSIN3 (3.1)
0.76	>=0.20	SLC12A3 (7.8)	ENSG00000256746 (2	LPL (2.3)
0.76	>=0.20	MYBPC3 (4.3)	C17orf105 (3.7)	GNAO1 (3.1)
0.76	>=0.20	CTRL (7.2)	TGM7 (4.1)	CES4A (2.5)
0.76	>=0.20	DR1 (3.3)	ENSG00000255507 (2	TTBK2 (2.5)

0.76	>=0.20	ZNF259 (4.8)	TOMM40 (4.0)	EIF3J (3.4)
0.76	>=0.20	RAPSN (4.8)	TCAP (4.4)	PACSIN3 (4.2)
0.77	>=0.20	SNORD58C (3.9)	ACAA2 (3.1)	MACF1 (2.4)
0.77	>=0.20	MTCH2 (3.8)	PSMC3 (3.4)	TOMM40 (3.4)
0.77	>=0.20	RELB (8.1)	CD40 (4.2)	CCL17 (3.2)
0.77	>=0.20	ZNF259 (5.1)	TOMM40 (3.7)	C7orf50 (2.6)
0.77	>=0.20	TGM7 (2.6)	TBKBP1 (2.4)	OR4A21P (2.4)
0.77	>=0.20	B3GNT9 (4.6)	DOK4 (4.6)	YDJC (3.6)
0.77	>=0.20	NDUFS3 (5.8)	PDHB (5.6)	COQ9 (5.0)
0.77	>=0.20	ZNF259 (3.4)	PSMC3 (3.2)	TOMM40 (2.8)
0.77	>=0.20	RNF214 (4.3)	MED1 (4.1)	BCL7B (3.8)
0.77	>=0.20	SLC12A3 (2.6)	MYO5B (2.6)	ENSG00000179523 (2
0.77	>=0.20	RAPSN (4.3)	EXOC3L1 (2.7)	ENSG00000254235 (2
0.77	>=0.20	B3GNT9 (4.4)	TBL2 (4.3)	ATG13 (3.6)
0.77	>=0.20	KBTBD4 (3.9)	SFN (3.1)	CCDC92 (2.8)
0.77	>=0.20	NEUROD2 (5.0)	SLC9A5 (3.8)	MAP1A (3.4)
0.77	>=0.20	CIAPIN1 (4.0)	EDC4 (3.8)	NUDT21 (3.7)
0.77	>=0.20	CYP2W1 (3.2)	BMP8A (2.4)	LRRC29 (2.3)
0.77	>=0.20	KIAA0754 (3.5)	BCAM (2.9)	C12orf65 (2.8)
0.77	>=0.20	ENSG00000247445 (3	SLC7A6OS (3.6)	GPN2 (3.2)
0.77	>=0.20	ENSG00000247445 (3	SLC7A6OS (3.6)	GPN2 (3.2)
0.77	>=0.20	SOST (3.2)	CYP26A1 (3.1)	IGF2R (2.9)
0.77	>=0.20	ENSG00000181123 (3	KCTD19 (3.0)	C12orf65 (2.8)
0.77	>=0.20	EPB42 (3.1)	ZNF350 (2.6)	NDUFS3 (2.4)
0.77	>=0.20	UBR1 (3.4)	TP53BP1 (3.2)	CCNDBP1 (3.1)
0.77	>=0.20	C1orf172 (6.0)	ESRP2 (5.0)	MYO5B (4.3)
0.77	>=0.20	C1orf172 (6.0)	ESRP2 (5.0)	MYO5B (4.3)
0.77	>=0.20	DEPDC1 (6.9)	SKA1 (6.6)	CKAP5 (4.4)
0.77	>=0.20	ETV5 (4.4)	OGFOD1 (3.1)	PIGV (3.0)
0.77	>=0.20	MYO1H (3.4)	ZNF408 (3.0)	COX19 (2.4)
0.77	>=0.20	MYO1H (3.4)	ZNF408 (3.0)	COX19 (2.4)
0.77	>=0.20	MYO1H (3.4)	ZNF408 (3.0)	COX19 (2.4)
0.77	>=0.20	CCL22 (3.5)	RLTPR (3.5)	SLC7A6 (2.3)
0.77	>=0.20	WDR76 (5.4)	FEN1 (5.2)	BAZ1B (3.9)
0.77	>=0.20	DEPDC1 (4.9)	SKA1 (4.6)	CENPT (4.3)
0.77	>=0.20	CYP26A1 (5.0)	NEUROD2 (3.8)	PDE3A (3.5)
0.77	>=0.20	C1QTNF4 (2.6)	MYO5B (2.6)	MBD1 (2.6)
0.77	>=0.20	CYP26A1 (3.3)	PVRL2 (2.9)	RAPSN (2.9)
0.77	>=0.20	COX19 (3.7)	MIEN1 (2.7)	C12orf65 (2.5)
0.77	>=0.20	PPP1R1B (4.1)	TRPS1 (2.9)	MT1M (2.8)
0.77	>=0.20	MBD1 (4.3)	MTMR3 (4.2)	SNORD58C (3.8)
0.77	>=0.20	DPEP3 (3.2)	KLHL8 (2.9)	NUP160 (2.5)
0.77	>=0.20	ETV5 (3.8)	C11orf9 (3.4)	DNAH10 (3.3)
0.77	>=0.20	EPB42 (10.7)	RANBP10 (5.1)	MTMR3 (3.0)
0.77	>=0.20	APOA4 (3.0)	SLC12A3 (2.8)	ABHD6 (2.7)
0.77	>=0.20	NPEPPS (3.9)	SNX13 (3.1)	CLPTM1 (2.9)
0.77	>=0.20	ZNF259 (3.0)	SNORD58C (2.9)	DDX28 (2.5)
0.77	>=0.20	SNORD58C (3.9)	TAGLN (3.3)	RBM5 (2.9)
0.77	>=0.20	ZNF408 (3.6)	RNF214 (3.0)	OASL (2.4)
0.77	>=0.20	SLC9A5 (2.6)	MADD (2.5)	TTC39B (2.5)

0.77	>=0.20	C18orf32 (3.8)	MIEN1 (3.4)	UBE2L3 (3.0)
0.77	>=0.20	TUBGCP4 (3.3)	DEPDC1 (3.1)	FEN1 (3.0)
0.77	>=0.20	TAGLN (4.0)	PDIA3 (3.5)	CITED2 (3.3)
0.77	>=0.20	TAGLN (4.0)	PDIA3 (3.5)	CITED2 (3.3)
0.77	>=0.20	LILRA3 (3.1)	CCL22 (2.6)	KIAA0754 (2.5)
0.77	>=0.20	CETP (3.0)	CCL22 (2.2)	CCL17 (1.9)
0.77	>=0.20	ENSG00000226645 (3	LRP4 (3.1)	MED1 (2.9)
0.77	>=0.20	UBE2L3 (3.6)	COX19 (3.0)	MMAB (3.0)
0.77	>=0.20	TCAP (7.8)	MLXIPL (3.1)	PACSIN3 (2.8)
0.77	>=0.20	REEP3 (3.6)	C11orf9 (3.5)	LRP4 (3.0)
0.77	>=0.20	ZNF259 (4.8)	TOMM40 (3.7)	RBM6 (3.2)
0.77	>=0.20	ENSG00000247867 (3	ZNF408 (3.4)	HCAR1 (3.1)
0.77	>=0.20	MACF1 (2.7)	GALNT2 (2.7)	TRADD (2.5)
0.77	>=0.20	TCAP (8.4)	MYBPC3 (7.5)	PACSIN3 (4.8)
0.77	>=0.20	EPB42 (3.5)	RAB11B (3.1)	CCDC92 (2.7)
0.77	>=0.20	EPB42 (3.9)	CDK12 (3.7)	OR4A1P (3.5)
0.77	>=0.20	C1orf172 (6.5)	ESRP2 (5.1)	MYO5B (5.0)
0.77	>=0.20	TBKBP1 (2.7)	LSM12 (2.6)	C17orf57 (2.3)
0.77	>=0.20	SLC12A3 (5.2)	MT1G (3.0)	MT1F (2.5)
0.77	>=0.20	NLRC5 (6.5)	CD40 (5.6)	CCL22 (4.1)
0.77	>=0.20	EPB42 (12.5)	RANBP10 (5.8)	SEC14L4 (5.0)
0.77	>=0.20	RELB (3.6)	FBXL20 (2.8)	GPR146 (2.8)
0.77	>=0.20	TAGLN (6.8)	B3GNT9 (2.7)	NR1H3 (2.3)
0.77	>=0.20	ZFAND2A (3.5)	PSMC3 (3.4)	NUP93 (2.8)
0.77	>=0.20	PCIF1 (3.4)	DCPS (3.3)	TOMM40 (3.2)
0.77	>=0.20	PCIF1 (3.4)	DCPS (3.3)	TOMM40 (3.2)
0.77	>=0.20	C12orf65 (3.7)	ENSG00000181123 (3	SPRYD5 (2.8)
0.77	>=0.20	EIF3J (5.3)	TP53BP1 (4.6)	MFAP1 (3.6)
0.77	>=0.20	RELB (4.4)	CCL17 (3.4)	BCL3 (3.3)
0.77	>=0.20	INTS10 (2.6)	PARD6A (2.5)	NUDT21 (2.4)
0.77	>=0.20	INTS10 (2.6)	PARD6A (2.5)	NUDT21 (2.4)
0.78	>=0.20	TP53BP1 (3.4)	MTCH2 (3.2)	DCPS (3.1)
0.78	>=0.20	ZNF259 (5.1)	TOMM40 (3.7)	EIF3J (3.5)
0.78	>=0.20	GPN2 (3.9)	PGAP3 (3.9)	LSM12 (2.9)
0.78	>=0.20	MADD (3.5)	PITPNM2 (3.0)	HDAC5 (2.7)
0.78	>=0.20	HNF1A (4.2)	CTRL (3.9)	SDF2L1 (3.3)
0.78	>=0.20	EIF3J (2.4)	NUTF2 (2.4)	SLC7A6 (2.3)
0.78	>=0.20	MPP2 (3.6)	GNAO1 (3.3)	NEUROD2 (3.2)
0.78	>=0.20	PYY (6.4)	PPY (6.3)	ABCB9 (3.4)
0.78	>=0.20	DNAH10 (3.7)	C1QTNF4 (3.3)	C16orf86 (3.2)
0.78	>=0.20	DEPDC1 (5.4)	CKAP5 (4.5)	CENPT (4.4)
0.78	>=0.20	WDR76 (4.9)	DDB2 (3.6)	FEN1 (3.4)
0.78	>=0.20	MIEN1 (3.8)	C18orf32 (3.6)	UBE2L3 (3.6)
0.78	>=0.20	ZNF614 (2.6)	ZNF615 (2.6)	XKR8 (2.4)
0.78	>=0.20	ZNF614 (2.6)	ZNF615 (2.6)	XKR8 (2.4)
0.78	>=0.20	SLC7A6OS (3.8)	FNBP4 (2.9)	MED1 (2.9)
0.78	>=0.20	CCNDBP1 (3.5)	UBR1 (3.2)	PAFAH1B2 (3.0)
0.78	>=0.20	FPR3 (4.2)	NLRC5 (3.4)	PSMB10 (3.1)
0.78	>=0.20	SDF2L1 (5.0)	PDIA3 (4.3)	HERPUD1 (3.6)
0.78	>=0.20	SLC12A3 (3.6)	LIPG (2.5)	PYY (2.4)

0.78	>=0.20	ENSG00000179523 (3	UBR1 (3.6)	ARFGAP2 (3.5)
0.78	>=0.20	TECTB (4.4)	PTPRZ1 (3.3)	HSF4 (2.7)
0.78	>=0.20	CCL22 (4.0)	LILRB2 (3.5)	CD40 (3.3)
0.78	>=0.20	CTRL (5.3)	SOST (3.0)	TAGLN (3.0)
0.78	>=0.20	WDR76 (3.4)	TUBGCP4 (3.2)	KPNB1 (3.1)
0.78	>=0.20	FZD9 (4.4)	TRPS1 (3.6)	CSGALNACT1 (2.8)
0.78	>=0.20	TTBK2 (2.9)	CELSR2 (2.6)	PAFAH1B2 (2.5)
0.78	>=0.20	NOL3 (4.5)	TCAP (3.3)	RAPSN (2.9)
0.78	>=0.20	FAM192A (3.7)	PARD6A (3.5)	THAP11 (3.5)
0.78	>=0.20	TCAP (3.8)	PPP1R1B (3.6)	CX3CL1 (3.0)
0.78	>=0.20	WDR76 (3.3)	DDB2 (3.0)	C16orf48 (2.6)
0.78	>=0.20	CPNE2 (3.1)	LRP4 (2.8)	CELSR2 (2.5)
0.78	>=0.20	PSMB10 (3.1)	NLRC5 (2.5)	NR1H3 (2.5)
0.78	>=0.20	RAB11B (4.0)	ARID1A (3.4)	E2F4 (2.9)
0.78	>=0.20	AFF1 (2.6)	ENSG00000256746 (2	CBFB (2.5)
0.78	>=0.20	HSF4 (4.3)	NOL3 (2.8)	ENSG00000182109 (2
0.78	>=0.20	MAP1A (2.9)	C12orf43 (2.5)	NEUROD2 (2.3)
0.78	>=0.20	ENSG00000226334 (2	CCDC116 (2.6)	CASC4 (2.5)
0.78	>=0.20	CKAP5 (5.2)	DEPDC1 (4.6)	SKA1 (4.4)
0.78	>=0.20	MBD1 (4.7)	CCDC11 (3.8)	DEPDC1 (3.5)
0.78	>=0.20	ARFGAP2 (3.0)	C16orf70 (2.9)	RBM5 (2.9)
0.78	>=0.20	TCAP (5.5)	PACSIN3 (4.5)	RAPSN (3.5)
0.78	>=0.20	ENSG00000226334 (3	SNORD58C (2.8)	NUTF2 (2.7)
0.78	>=0.20	TMEM175 (5.6)	TMEM101 (4.6)	PIGV (3.9)
0.78	>=0.20	DUSP3 (2.9)	CCNDBP1 (2.9)	REEP3 (2.4)
0.78	>=0.20	TAGLN (5.4)	GPIHBP1 (3.1)	MACF1 (3.1)
0.78	>=0.20	WDR76 (6.1)	FEN1 (5.8)	DDB2 (4.9)
0.78	>=0.20	NUTF2 (4.0)	SNORD58C (3.7)	ZNF664 (2.9)
0.78	>=0.20	EIF3J (4.2)	ZNF259 (4.1)	NUP160 (3.4)
0.78	>=0.20	DUSP3 (3.5)	NRBF2 (3.1)	UBE3B (3.1)
0.78	>=0.20	PYY (6.2)	PPY (6.2)	ABCB9 (3.5)
0.78	>=0.20	OR5I1 (2.4)	MYO1H (2.1)	PLTP (2.0)
0.78	>=0.20	CD40 (4.2)	CCL22 (3.6)	ZDHHC18 (3.1)
0.78	>=0.20	RSPO3 (3.8)	OR5I1 (2.7)	TRPS1 (2.5)
0.78	>=0.20	LILRA3 (3.2)	CCL22 (3.1)	CCL17 (2.5)
0.78	>=0.20	KCTD10 (3.3)	TCAP (3.3)	MACF1 (3.0)
0.78	>=0.20	MFAP1 (3.0)	C12orf43 (3.0)	MIEN1 (2.7)
0.78	>=0.20	PDIA3 (4.6)	SDF2L1 (3.6)	MON1A (3.3)
0.78	>=0.20	NPEPPS (2.3)	ATG13 (2.2)	LSM12 (2.1)
0.78	>=0.20	PTPRZ1 (2.9)	C11orf9 (2.7)	PPP1R1B (2.6)
0.78	>=0.20	KCTD10 (3.6)	TAGLN (3.4)	GPIHBP1 (3.2)
0.78	>=0.20	UBE2L3 (3.5)	FHOD1 (2.6)	CELF1 (2.5)
0.78	>=0.20	BMP8A (3.5)	RSPO3 (2.7)	DOK4 (2.4)
0.78	>=0.20	RAPSN (6.3)	KANK2 (3.6)	GPER (3.2)
0.78	>=0.20	NDUFS3 (6.0)	PDHB (4.2)	COQ9 (3.7)
0.78	>=0.20	EPB42 (2.3)	TNKS (2.1)	FPR3 (2.0)
0.78	>=0.20	LSM12 (4.3)	KCTD10 (4.0)	TAGLN (3.5)
0.78	>=0.20	ENSG00000226645 (4	CTRL (3.8)	RELB (3.2)
0.78	>=0.20	FEN1 (4.3)	WDR76 (4.3)	CKAP5 (4.1)
0.78	>=0.20	OASL (3.7)	OGFOD1 (3.1)	ZNF259 (3.1)

0.78	>=0.20	PLA2G6 (3.5)	PXK (3.0)	ENSG00000226645 (2
0.78	>=0.20	PLA2G6 (3.5)	PXK (3.0)	ENSG00000226645 (2
0.78	>=0.20	WDR76 (6.6)	FEN1 (6.2)	CTDSPL2 (4.0)
0.78	>=0.20	MADD (3.3)	DUSP3 (3.2)	NEUROD2 (2.4)
0.78	>=0.20	EIF3J (3.7)	PSMC3 (3.7)	OGFOD1 (3.7)
0.78	>=0.20	BCL7B (3.6)	PGS1 (3.0)	SDF2L1 (2.9)
0.78	>=0.20	TAGLN (3.4)	MACF1 (3.2)	GPIHBP1 (2.5)
0.78	>=0.20	FBXL20 (6.4)	ATG13 (5.4)	C16orf70 (5.0)
0.78	>=0.20	ETV5 (3.9)	C17orf57 (2.5)	CD300LG (2.5)
0.78	>=0.20	ENSG00000226334 (2	BACE1 (2.2)	ETV5 (2.0)
0.78	>=0.20	PLA2G15 (3.4)	TRADD (3.2)	KBTBD4 (3.2)
0.78	>=0.20	SPI1 (3.4)	AFF1 (2.8)	CMIP (2.5)
0.78	>=0.20	TECTB (6.0)	FZD9 (5.3)	STRC (4.5)
0.78	>=0.20	DOK4 (3.6)	CYP2W1 (3.2)	EXOC3L1 (2.6)
0.78	>=0.20	PTPRZ1 (4.0)	PARD6A (2.4)	NR0B2 (2.0)
0.78	>=0.20	SKA1 (2.4)	MPHOSPH9 (2.2)	DEPDC1 (2.0)
0.79	>=0.20	TMEM175 (5.5)	COX19 (2.8)	STRC (2.6)
0.79	>=0.20	PCIF1 (3.8)	CCDC92 (3.1)	GFOD2 (3.0)
0.79	>=0.20	STRC (2.6)	RSPRY1 (2.2)	DNAH10 (2.2)
0.79	>=0.20	DPEP3 (5.3)	C17orf105 (2.8)	KCTD19 (2.6)
0.79	>=0.20	RBM6 (3.4)	MED1 (3.3)	CDK12 (3.2)
0.79	>=0.20	HSF4 (3.5)	CELSR2 (2.3)	UBR1 (2.3)
0.79	>=0.20	NUP93 (3.4)	NUDT21 (3.1)	MED1 (3.0)
0.79	>=0.20	DOCK6 (4.3)	MYO5B (3.2)	CD300LG (2.9)
0.79	>=0.20	ZFAND2A (5.4)	PSMC3 (4.9)	TOMM40 (3.8)
0.79	>=0.20	DDB2 (5.0)	CSGALNACT1 (3.0)	DPEP2 (2.9)
0.79	>=0.20	FZD9 (6.4)	RSPO3 (3.1)	KLF14 (3.0)
0.79	>=0.20	RAPSN (4.4)	SKA1 (3.8)	WDR76 (3.7)
0.79	>=0.20	DDB2 (3.9)	ZNF408 (2.6)	ZSCAN29 (2.4)
0.79	>=0.20	GPN2 (3.6)	C12orf43 (3.3)	INTS10 (2.9)
0.79	>=0.20	RSPRY1 (4.1)	SBNO1 (3.9)	OASL (3.7)
0.79	>=0.20	SPI1 (3.0)	BCL7B (2.7)	RAB11B (2.6)
0.79	>=0.20	NEUROD2 (4.2)	CELSR2 (3.9)	RSPO3 (2.5)
0.79	>=0.20	PSMB10 (5.0)	RELB (3.7)	NLRC5 (3.3)
0.79	>=0.20	TRPS1 (3.1)	FRMD5 (2.5)	GPIHBP1 (2.5)
0.79	>=0.20	CKAP5 (3.0)	FRMD5 (2.9)	DYM (2.7)
0.79	>=0.20	DPEP3 (3.8)	TRPS1 (3.3)	GLUL (2.6)
0.79	>=0.20	CYP26A1 (5.1)	TRPS1 (3.6)	SLC12A4 (3.5)
0.79	>=0.20	C17orf105 (4.2)	RAB11B (3.3)	SETD8 (2.8)
0.79	>=0.20	C17orf105 (4.2)	RAB11B (3.3)	SETD8 (2.8)
0.79	>=0.20	C17orf105 (4.2)	RAB11B (3.3)	SETD8 (2.8)
0.79	>=0.20	SFN (5.5)	MST1R (4.8)	TAGLN (3.9)
0.79	>=0.20	LCMT2 (2.7)	KLF14 (2.2)	DR1 (2.2)
0.79	>=0.20	GNAO1 (2.7)	C1QTNF4 (2.6)	NEUROD2 (2.6)
0.79	>=0.20	C11orf9 (3.5)	APOA4 (3.1)	LILRA3 (2.8)
0.79	>=0.20	CES4A (4.8)	REEP3 (3.9)	TMEM62 (3.7)
0.79	>=0.20	ZNF615 (3.1)	FZD9 (2.9)	ENSG00000255507 (2
0.79	>=0.20	ENSG00000256746 (3	ENSG00000181296 (2	CYP2W1 (2.5)
0.79	>=0.20	CELF1 (3.7)	KLHL8 (3.5)	NFATC3 (3.2)
0.79	>=0.20	CELF1 (3.7)	KLHL8 (3.5)	NFATC3 (3.2)

0.79	>=0.20	TRPS1 (3.6)	ERBB2 (3.0)	SFN (2.9)
0.79	>=0.20	NEUROD2 (2.7)	ETV5 (2.7)	ABHD6 (2.5)
0.79	>=0.20	TAGLN (5.4)	KCTD10 (3.6)	MACF1 (3.5)
0.79	>=0.20	CCL22 (3.2)	CCL17 (3.0)	CD40 (2.9)
0.79	>=0.20	DR1 (3.3)	HDAC5 (2.8)	ZNF408 (2.7)
0.79	>=0.20	CCL22 (2.6)	CD40 (2.4)	CCL17 (2.4)
0.79	>=0.20	ENSG00000226334 (2	MT1E (2.7)	MT1G (2.2)
0.79	>=0.20	ETV5 (3.2)	CYP26A1 (2.8)	PTPRZ1 (2.7)
0.79	>=0.20	DR1 (3.4)	PVRL2 (3.1)	C11orf9 (3.1)
0.79	>=0.20	SBNO1 (3.8)	RSPRY1 (3.4)	FNBP4 (3.2)
0.79	>=0.20	MACF1 (3.4)	SIK3 (3.3)	MYO5B (3.0)
0.79	>=0.20	OASL (7.7)	NLRC5 (3.4)	PSMB10 (2.3)
0.79	>=0.20	NUTF2 (3.0)	UBE2L3 (2.6)	THAP11 (2.3)
0.79	>=0.20	YDJC (5.5)	NUTF2 (3.4)	TRADD (3.0)
0.79	>=0.20	MPP3 (3.0)	PDE3A (2.7)	GNAO1 (2.2)
0.79	>=0.20	EXOC3L1 (3.7)	CTRL (3.6)	ENSG00000256746 (3
0.79	>=0.20	ENSG00000226334 (3	NUTF2 (2.9)	PCIF1 (2.3)
0.79	>=0.20	TAGLN (2.8)	ABCA8 (2.6)	PDE3A (2.1)
0.79	>=0.20	RLTPR (4.2)	CD40 (4.1)	CCL22 (3.3)
0.79	>=0.20	ENSG00000179523 (3	HNF1A (3.0)	OR5L2 (2.6)
0.79	>=0.20	OR4A21P (2.9)	COQ9 (2.7)	MT1E (2.5)
0.79	>=0.20	BUD13 (3.5)	NCOA5 (3.4)	BAZ1B (2.9)
0.79	>=0.20	SOST (3.4)	CYP26A1 (2.3)	EPB42 (2.0)
0.79	>=0.20	C18orf32 (5.3)	PGAP3 (3.5)	APOE (3.3)
0.79	>=0.20	GNAO1 (3.2)	CX3CL1 (3.0)	PITPNM2 (2.8)
0.79	>=0.20	TOMM40 (4.3)	ZNF259 (3.9)	NUP160 (3.4)
0.79	>=0.20	TOMM40 (4.3)	ZNF259 (3.9)	NUP160 (3.4)
0.79	>=0.20	INTS10 (3.4)	NUP160 (3.4)	EIF3J (3.0)
0.79	>=0.20	TNKS (2.7)	PAFAH1B2 (2.6)	AMFR (2.6)
0.79	>=0.20	CTRL (7.1)	TGM7 (4.0)	CES4A (2.5)
0.79	>=0.20	RBM5 (3.7)	FNBP4 (3.2)	BAZ1B (3.0)
0.79	>=0.20	NLRC5 (7.8)	PSMB10 (4.1)	FPR3 (2.3)
0.79	>=0.20	MYBPC3 (8.6)	TCAP (7.6)	FRMD5 (4.4)
0.79	>=0.20	NUTF2 (3.3)	SNORD58C (3.0)	PRMT7 (2.6)
0.79	>=0.20	RSPRY1 (4.2)	SBNO1 (3.9)	OASL (3.4)
0.79	>=0.20	MYBPC3 (8.3)	TCAP (8.3)	FRMD5 (4.4)
0.79	>=0.20	NEUROD2 (4.4)	SMPD3 (3.2)	PTPRZ1 (2.4)
0.79	>=0.20	MYBPC3 (4.1)	SOST (2.6)	ARID1A (2.6)
0.79	>=0.20	FPR3 (4.3)	NLRC5 (3.3)	PSMB10 (2.9)
0.79	>=0.20	TOMM40 (3.6)	CETP (2.6)	G6PC3 (2.4)
0.79	>=0.20	CMIP (3.5)	CLPTM1 (2.8)	PAFAH1B2 (2.8)
0.79	>=0.20	TGM7 (2.5)	SOST (2.4)	GPIHBP1 (2.4)
0.79	>=0.20	CCL17 (3.3)	CCL22 (3.2)	CD40 (2.6)
0.79	>=0.20	DDB2 (2.7)	RLTPR (2.6)	C17orf57 (2.6)
0.79	>=0.20	RELB (4.5)	CD40 (4.1)	BCL3 (3.6)
0.79	>=0.20	PSMC3 (3.8)	NPEPPS (3.5)	MTCH2 (3.0)
0.79	>=0.20	JMJD1C (3.3)	PPIP5K1 (2.9)	APOE (2.4)
0.79	>=0.20	PTPRJ (3.0)	RAB11B (2.8)	CELF1 (2.7)
0.79	>=0.20	UBE2L3 (2.9)	GFOD2 (2.5)	NPEPPS (2.3)
0.79	>=0.20	PNMT (4.1)	NOL3 (2.6)	DGKG (2.6)

0.79	>=0.20	FNBP4 (3.8)	SNORD58C (3.2)	KPNB1 (3.2)
0.79	>=0.20	OASL (3.9)	PDIA3 (2.9)	SDF2L1 (2.5)
0.79	>=0.20	PLEKHG4 (3.9)	LCMT2 (3.7)	YDJC (3.1)
0.79	>=0.20	ENSG00000229043 (2	FAM192A (2.7)	MBD1 (2.7)
0.79	>=0.20	ZNF350 (3.9)	FNBP4 (3.1)	BUD13 (3.0)
0.79	>=0.20	CD300LG (3.0)	TRADD (2.6)	KIAA0754 (2.4)
0.79	>=0.20	TAGLN (4.8)	TCAP (4.3)	PLG (3.5)
0.79	>=0.20	EPB42 (6.7)	SEC14L4 (5.1)	RANBP10 (4.3)
0.79	>=0.20	EPB42 (6.7)	SEC14L4 (5.1)	RANBP10 (4.3)
0.8	>=0.20	CASC4 (2.6)	AMFR (2.6)	CCDC92 (2.5)
0.8	>=0.20	TECTB (3.0)	NR0B2 (2.9)	PTPRZ1 (2.7)
0.8	>=0.20	FZD9 (4.4)	RSPO3 (4.0)	TECTB (2.6)
0.8	>=0.20	TGM5 (2.6)	SFN (2.5)	CELSR2 (1.4)
0.8	>=0.20	C18orf32 (4.0)	FAM192A (3.6)	MBD1 (3.4)
0.8	>=0.20	MIEN1 (3.6)	ZNF259 (3.2)	C7orf50 (2.6)
0.8	>=0.20	PAFAH1B2 (3.5)	PCSK7 (3.0)	BCL7B (2.8)
0.8	>=0.20	TSNAXIP1 (5.9)	CCDC11 (4.4)	AGBL2 (4.2)
0.8	>=0.20	NDUFS3 (6.3)	COQ9 (5.0)	PDHB (4.9)
0.8	>=0.20	FNBP4 (4.0)	EDC4 (3.4)	RBM5 (2.8)
0.8	>=0.20	UVRAG (2.9)	ENSG00000226645 (2	DYM (2.5)
0.8	>=0.20	COQ9 (7.1)	PDHB (6.3)	NDUFS3 (4.7)
0.8	>=0.20	DUSP3 (2.3)	EXOC3L1 (2.2)	KLF14 (2.1)
0.8	>=0.20	NUDT21 (4.3)	POLR2C (3.9)	FNBP4 (3.5)
0.8	>=0.20	WDR76 (4.1)	FEN1 (4.0)	BAZ1B (3.9)
0.8	>=0.20	BCL7B (5.4)	NCOA5 (4.0)	C12orf43 (3.5)
0.8	>=0.20	GNAO1 (4.2)	C1QTNF4 (2.9)	DGKG (2.9)
0.8	>=0.20	OR5I1 (2.9)	BMP8A (2.6)	OR5L2 (2.6)
0.8	>=0.20	REEP3 (2.8)	APOE (2.2)	CCL22 (2.0)
0.8	>=0.20	ATG13 (3.9)	RANBP10 (3.8)	AMFR (3.4)
0.8	>=0.20	TBL2 (4.2)	B3GNT9 (3.6)	SLC39A13 (3.2)
0.8	>=0.20	ENSG00000247445 (3	LILRA3 (3.2)	ZNF615 (2.8)
0.8	>=0.20	DOK4 (2.7)	MAP1A (2.7)	MACF1 (2.7)
0.8	>=0.20	DEPDC1 (7.8)	CKAP5 (6.0)	SKA1 (5.5)
0.8	>=0.20	TRPS1 (3.3)	ENSG00000256746 (2	SFN (2.6)
0.8	>=0.20	EIF3J (3.3)	CLPTM1 (3.1)	TBL2 (3.0)
0.8	>=0.20	PLTP (2.8)	KCTD6 (2.1)	C16orf48 (2.0)
0.8	>=0.20	RNF214 (4.5)	SETD8 (3.6)	PAFAH1B2 (3.2)
0.8	>=0.20	SLC22A1 (3.3)	ACAA2 (3.2)	OR4A21P (3.2)
0.8	>=0.20	TTBK2 (2.9)	UBE3B (2.8)	DYM (2.5)
0.8	>=0.20	TRPS1 (4.5)	PPP1R1B (2.9)	LIPG (2.9)
0.8	>=0.20	CCL22 (5.8)	CCL17 (3.7)	CD40 (3.3)
0.8	>=0.20	NUTF2 (3.3)	SNORD58C (3.0)	NUP160 (2.6)
0.8	>=0.20	SDF2L1 (5.3)	TBL2 (4.4)	PDIA3 (4.3)
0.8	>=0.20	SDF2L1 (5.3)	TBL2 (4.4)	PDIA3 (4.3)
0.8	>=0.20	PDIA3 (3.3)	TCAP (2.6)	PSMC3 (2.6)
0.8	>=0.20	CYP2W1 (2.8)	ENSG00000181296 (2	OR5L2 (2.5)
0.8	>=0.20	KCTD10 (4.3)	KANK2 (3.2)	TAGLN (3.0)
0.8	>=0.20	RELB (6.2)	CD40 (3.4)	BCL3 (3.4)
0.8	>=0.20	ESRP2 (3.3)	ELMO3 (3.2)	C1orf172 (3.1)
0.8	>=0.20	ENSG00000254235 (2	ENSG00000236267 (2	SLC7A6 (2.5)

0.8	>=0.20	MYO1H (3.0)	XKR8 (2.7)	PGS1 (2.4)
0.8	>=0.20	BCL7B (4.9)	NCOA5 (3.1)	CXXC1 (2.7)
0.8	>=0.20	WDR76 (6.2)	FEN1 (5.6)	DDB2 (4.2)
0.8	>=0.20	PTPRZ1 (4.0)	GPER (3.6)	MT1M (2.9)
0.8	>=0.20	DYM (3.3)	RANBP10 (3.2)	CCNDBP1 (2.9)
0.8	>=0.20	RAPSN (3.6)	ZNF664 (2.9)	DUSP3 (2.8)
0.8	>=0.20	HARBI1 (3.5)	AMBRA1 (3.4)	BCL7B (2.6)
0.8	>=0.20	ZNF614 (2.7)	GPIHBP1 (2.2)	C12orf43 (2.1)
0.8	>=0.20	PIGV (3.3)	TBL2 (3.2)	PDIA3 (3.0)
0.8	>=0.20	ETV5 (3.9)	CPNE2 (2.8)	SETD8 (2.6)
0.8	>=0.20	CYP26A1 (3.6)	LSM12 (2.7)	RSPO3 (2.6)
0.8	>=0.20	RELB (4.2)	PSMB10 (4.0)	CCL22 (3.5)
0.8	>=0.20	GNAO1 (3.1)	FADS2 (3.1)	MVK (2.9)
0.8	>=0.20	CTRL (8.4)	PYY (5.3)	PPY (5.3)
0.8	>=0.20	CCL17 (3.2)	XKR8 (3.0)	CCL22 (2.7)
0.8	>=0.20	BCAM (5.4)	C1orf172 (4.8)	SFN (4.7)
0.8	>=0.20	FHOD1 (2.5)	LRP4 (2.4)	PPP1R1B (2.1)
0.8	>=0.20	TBKBP1 (2.2)	MT1H (2.2)	TGM7 (2.1)
0.8	>=0.20	ATG13 (2.8)	EPB42 (2.8)	CMIP (2.7)
0.8	>=0.20	NEUROD2 (4.5)	GNAO1 (2.9)	HSF4 (2.5)
0.8	>=0.20	GPN2 (4.0)	C12orf43 (3.7)	INTS10 (3.2)
0.8	>=0.20	NUDT21 (4.4)	POLR2C (4.0)	FNBP4 (3.5)
0.8	>=0.20	RNF214 (4.2)	MED1 (4.1)	PCIF1 (3.7)
0.81	>=0.20	NCOA5 (2.8)	CDK12 (2.8)	ENSG00000256746 (2
0.81	>=0.20	SLC9A5 (3.1)	ABCB9 (3.0)	CYP2W1 (2.7)
0.81	>=0.20	GLUL (2.9)	REEP3 (2.3)	RBPJ (2.3)
0.81	>=0.20	DOK4 (3.2)	GRB7 (2.7)	PVRL2 (2.6)
0.81	>=0.20	KCTD10 (3.2)	ZNF664 (2.7)	TCAP (2.6)
0.81	>=0.20	SNORD58C (2.4)	CATSPER2 (2.1)	HNF1A (2.1)
0.81	>=0.20	ZDHHC18 (3.8)	MYO1H (3.1)	RLTPR (2.7)
0.81	>=0.20	CELF1 (3.4)	BUD13 (3.3)	BCL7B (2.9)
0.81	>=0.20	TGM7 (3.7)	TRPS1 (3.4)	KANK2 (2.8)
0.81	>=0.20	ZFAND2A (6.4)	SDF2L1 (4.3)	PDIA3 (3.8)
0.81	>=0.20	CCL17 (3.0)	CCL22 (3.0)	CD40 (2.8)
0.81	>=0.20	LRP4 (3.4)	TRPS1 (2.8)	EXOC3L1 (2.7)
0.81	>=0.20	PDHB (6.3)	NDUFS3 (5.8)	COQ9 (4.5)
0.81	>=0.20	KPNB1 (2.9)	NCOA5 (2.5)	PPIP5K1 (2.3)
0.81	>=0.20	LILRA3 (3.3)	ENSG00000247445 (3	TTC39B (2.7)
0.81	>=0.20	TOMM40 (4.5)	ZNF259 (3.7)	NUP160 (3.2)
0.81	>=0.20	RAPSN (4.2)	PDE3A (2.5)	MPP2 (2.4)
0.81	>=0.20	AFF1 (1.9)	SPRYD5 (1.8)	ENSG00000226334 (1
0.81	>=0.20	TMEM175 (5.0)	TMEM101 (4.3)	G6PC3 (4.3)
0.81	>=0.20	GPN2 (3.3)	KLHL8 (3.3)	ZNF259 (3.3)
0.81	>=0.20	PSMC3 (4.3)	ZFAND2A (3.0)	POLR2C (2.5)
0.81	>=0.20	CYP26A1 (3.5)	RSPO3 (2.9)	CYP2W1 (2.7)
0.81	>=0.20	DEPDC1 (4.8)	CENPT (4.6)	CKAP5 (4.0)
0.81	>=0.20	LRP4 (2.8)	CYP26A1 (2.8)	DNAH10 (2.8)
0.81	>=0.20	DNAH10 (3.8)	OR5J2 (2.8)	OR5I1 (2.4)
0.81	>=0.20	MADD (2.9)	PXK (2.8)	MON1A (2.7)
0.81	>=0.20	CCL22 (3.6)	PYY (2.5)	ENSG00000181296 (2

0.81	>=0.20	CYP26A1 (3.5)	TAGLN (3.3)	DOK4 (3.2)
0.81	>=0.20	CETP (4.5)	CD40 (3.8)	CCL22 (3.7)
0.81	>=0.20	MPP3 (3.5)	NEUROD2 (3.4)	PTPRZ1 (2.8)
0.81	>=0.20	MED1 (4.6)	RAB11B (4.4)	NCOA5 (3.4)
0.81	>=0.20	WDR76 (4.2)	FEN1 (3.9)	DDB2 (3.8)
0.81	>=0.20	KCTD10 (5.0)	TAGLN (3.5)	DOK4 (3.3)
0.81	>=0.20	PSMB10 (3.8)	AMFR (2.7)	CBFB (2.5)
0.81	>=0.20	DEPDC1 (5.0)	CENPT (4.8)	CKAP5 (4.0)
0.81	>=0.20	DEPDC1 (5.0)	CENPT (4.8)	CKAP5 (4.0)
0.81	>=0.20	MACF1 (3.6)	CITED2 (3.1)	AFF1 (3.0)
0.81	>=0.20	ZNF259 (3.6)	SNORD58C (3.1)	EIF3J (2.8)
0.81	>=0.20	SKA1 (5.8)	DEPDC1 (4.5)	WDR76 (3.4)
0.81	>=0.20	DCPS (3.6)	DR1 (2.9)	NUDT21 (2.6)
0.81	>=0.20	DCPS (3.6)	DR1 (2.9)	NUDT21 (2.6)
0.81	>=0.20	UBE2L3 (3.6)	C18orf32 (3.1)	C16orf70 (3.1)
0.81	>=0.20	RBM5 (3.3)	SBNO1 (2.7)	ZNF613 (2.6)
0.81	>=0.20	MAP1A (4.4)	CCDC92 (3.1)	BACE1 (2.9)
0.81	>=0.20	GALNT2 (4.5)	C17orf105 (3.4)	ZNF613 (3.0)
0.81	>=0.20	RSPO3 (3.4)	SMPD3 (3.1)	CYP26A1 (3.0)
0.81	>=0.20	OR5L2 (4.3)	ENSG00000181296 (2	PPIP5K1 (2.2)
0.81	>=0.20	SNORD58C (3.4)	FNBP4 (3.3)	ZNF259 (3.2)
0.81	>=0.20	KPNB1 (3.6)	TAGLN (2.3)	ENSG00000181296 (2
0.81	>=0.20	SNORD58C (3.3)	ZNF259 (3.2)	TOMM40 (2.9)
0.81	>=0.20	ZNF408 (3.0)	BUD13 (2.9)	GPN2 (2.9)
0.81	>=0.20	EIF3J (3.2)	CKAP5 (3.2)	NUP160 (3.2)
0.81	>=0.20	XKR8 (3.1)	ZDHHC18 (2.5)	NLRC5 (2.3)
0.81	>=0.20	XKR8 (3.1)	ZDHHC18 (2.5)	NLRC5 (2.3)
0.81	>=0.20	DPEP2 (3.1)	FPR3 (2.7)	PLTP (2.5)
0.81	>=0.20	TTBK2 (2.8)	C16orf70 (2.7)	UBE3B (2.7)
0.81	>=0.20	OASL (6.3)	TMEM62 (2.5)	ZFAND2A (2.5)
0.81	>=0.20	FEN1 (6.4)	WDR76 (5.7)	SKA1 (4.9)
0.81	>=0.20	PIGV (2.3)	CCL22 (2.0)	EPB42 (2.0)
0.81	>=0.20	DCPS (2.8)	MPHOSPH9 (2.3)	TOMM40 (2.2)
0.81	>=0.20	NUP160 (3.4)	EIF3J (2.8)	PRMT7 (2.8)
0.81	>=0.20	SKA1 (3.5)	FEN1 (3.2)	WDR76 (3.1)
0.81	>=0.20	CETP (5.2)	CCL22 (2.6)	TECTB (2.3)
0.81	>=0.20	ABCA8 (3.1)	ST3GAL4 (2.5)	TRPS1 (1.9)
0.81	>=0.20	GNAO1 (3.2)	MYO5B (3.0)	MPP2 (3.0)
0.81	>=0.20	CTRL (3.6)	DDB2 (3.4)	SLC39A13 (3.0)
0.81	>=0.20	BBS2 (3.2)	ENSG00000254235 (3	OGFOD1 (2.6)
0.81	>=0.20	FAM192A (2.8)	ZNF259 (2.7)	EDC4 (2.6)
0.81	>=0.20	ZNF259 (4.5)	EIF3J (3.0)	TOMM40 (3.0)
0.81	>=0.20	BACE1 (2.6)	TRPS1 (2.2)	CYP26A1 (2.2)
0.81	>=0.20	MT1F (3.7)	FADS2 (3.5)	MT1X (3.1)
0.81	>=0.20	MYBPC3 (3.0)	PDE3A (2.8)	TCAP (2.8)
0.81	>=0.20	OR5L2 (3.5)	OR5I1 (3.4)	OR4A21P (3.1)
0.81	>=0.20	APOA4 (3.7)	IGF2R (3.1)	ZFAND2A (3.0)
0.81	>=0.20	PSMC3 (3.8)	PGAP3 (3.6)	NUTF2 (3.4)
0.81	>=0.20	TCAP (4.9)	ENSG00000255507 (2	C16orf86 (2.4)
0.81	>=0.20	ZFAND2A (3.7)	RELB (3.3)	ZNF408 (3.2)

0.81	>=0.20	EIF3J (4.1)	ZNF259 (4.0)	TOMM40 (3.2)
0.81	>=0.20	ENSG00000229043 (5	KCTD19 (2.8)	BBS2 (2.5)
0.81	>=0.20	XKR8 (2.8)	TRADD (2.7)	ENSG00000182109 (2
0.81	>=0.20	ZNF259 (5.4)	TOMM40 (3.6)	PRMT7 (3.1)
0.81	>=0.20	YDJC (4.3)	C16orf86 (3.9)	TRADD (3.0)
0.81	>=0.20	ABCA8 (2.6)	ST3GAL4 (2.2)	KCTD19 (2.2)
0.81	>=0.20	PCIF1 (2.7)	CCNDBP1 (2.5)	E2F4 (2.4)
0.81	>=0.20	TGM5 (2.9)	SFN (2.6)	CELSR2 (1.5)
0.81	>=0.20	PGAP3 (5.1)	CDK12 (4.7)	ZSCAN29 (3.5)
0.81	>=0.20	PTPRZ1 (3.6)	LRRC29 (2.7)	SPRYD5 (2.2)
0.81	>=0.20	FEN1 (6.7)	WDR76 (6.6)	MTF2 (3.8)
0.81	>=0.20	GPN2 (3.9)	KPNB1 (3.2)	ENSG00000247445 (2
0.81	>=0.20	NCOA5 (3.2)	BAZ1B (2.9)	PCIF1 (2.8)
0.81	>=0.20	ARID1A (3.3)	JMJD1C (3.3)	NCOA5 (2.9)
0.81	>=0.20	MAP1A (3.8)	MADD (3.2)	C1QTNF4 (2.9)
0.81	>=0.20	HERPUD1 (4.9)	DYM (4.0)	OGFOD1 (3.6)
0.81	>=0.20	ENSG00000179523 (5	OR5I1 (3.9)	ADAL (3.0)
0.81	>=0.20	EXOC3L1 (3.8)	NEUROD2 (2.6)	RAPSN (2.5)
0.81	>=0.20	TGM5 (2.8)	SFN (2.7)	CELSR2 (1.4)
0.81	>=0.20	SDF2L1 (6.9)	PDIA3 (6.6)	TBL2 (3.9)
0.82	>=0.20	GPN2 (3.6)	FNBP4 (3.6)	KPNB1 (2.6)
0.82	>=0.20	MTCH2 (4.0)	ARFGAP2 (3.3)	PSMC3 (2.7)
0.82	>=0.20	ETV5 (3.6)	KIAA0754 (3.2)	PTPRZ1 (3.1)
0.82	>=0.20	EPB42 (2.9)	GPER (2.9)	PNMT (2.5)
0.82	>=0.20	KPNB1 (3.5)	MTF2 (3.1)	DR1 (2.9)
0.82	>=0.20	BCAM (2.7)	ENSG00000179523 (2	HNF1A (2.3)
0.82	>=0.20	PGAP3 (3.6)	MED1 (3.4)	OR5J2 (2.8)
0.82	>=0.20	LRP4 (2.9)	CYP26A1 (2.8)	C1orf172 (2.5)
0.82	>=0.20	PPY (4.3)	PYY (4.1)	ENSG00000226334 (2
0.82	>=0.20	MTF2 (4.2)	BUD13 (4.0)	RBM5 (3.8)
0.82	>=0.20	ARHGAP1 (3.0)	KCTD10 (2.8)	MIEN1 (2.6)
0.82	>=0.20	EPB42 (3.9)	APOC4 (2.8)	LPA (2.5)
0.82	>=0.20	ARID1A (3.9)	BUD13 (3.5)	NCOA5 (3.4)
0.82	>=0.20	DGKG (4.0)	CLPTM1 (3.9)	GNAO1 (2.3)
0.82	>=0.20	OR5L2 (5.2)	STRC (2.8)	KLF14 (2.6)
0.82	>=0.20	ZNF259 (3.1)	NEUROD2 (2.6)	GFOD2 (2.6)
0.82	>=0.20	CYP2W1 (4.6)	PCSK7 (3.6)	TRNP1 (3.4)
0.82	>=0.20	NLRC5 (3.5)	XKR8 (3.0)	DUS2L (2.5)
0.82	>=0.20	C12orf43 (3.4)	INTS10 (3.0)	GPN2 (2.8)
0.82	>=0.20	OR5L2 (3.6)	ENSG00000181296 (3	PPIP5K1 (2.7)
0.82	>=0.20	KCTD6 (4.2)	ENSG00000181296 (3	CYP26A1 (2.8)
0.82	>=0.20	ARID1A (3.1)	HDAC5 (2.8)	LSM12 (2.6)
0.82	>=0.20	SEC14L4 (2.6)	TGM5 (2.5)	NAGS (2.4)
0.82	>=0.20	MAFF (3.0)	GRB7 (2.8)	LCAT (2.5)
0.82	>=0.20	NEUROD2 (5.2)	SPRYD5 (3.2)	DGKG (3.1)
0.82	>=0.20	PCSK7 (3.0)	KIAA0754 (2.8)	RNF214 (2.8)
0.82	>=0.20	ZNF259 (4.9)	TOMM40 (4.1)	EIF3J (4.0)
0.82	>=0.20	ENSG00000229043 (3	BMP8A (3.0)	OR5I1 (3.0)
0.82	>=0.20	C1orf172 (3.5)	ZNF664 (3.2)	COBLL1 (2.2)
0.82	>=0.20	DUS2L (3.3)	HARBI1 (2.7)	MTCH2 (2.7)

0.82	>=0.20	RSPO3 (4.6)	VEGFA (3.5)	TAGLN (2.8)
0.82	>=0.20	TRPS1 (3.9)	PPP1R1B (3.5)	PTPRZ1 (3.4)
0.82	>=0.20	NLRC5 (6.5)	PSMB10 (3.9)	NFATC3 (2.4)
0.82	>=0.20	KLF14 (2.9)	PLEKHG4 (2.7)	PPP1R1B (2.5)
0.82	>=0.20	ERBB2 (5.4)	G6PC3 (5.3)	TMEM175 (5.0)
0.82	>=0.20	KLF14 (2.6)	DUSP3 (2.4)	B3GNT9 (2.1)
0.82	>=0.20	RSPO3 (3.3)	CPNE2 (2.5)	LRP4 (2.5)
0.82	>=0.20	PDE3A (2.1)	MPP2 (2.1)	KLF14 (2.1)
0.82	>=0.20	SLC12A3 (5.3)	TECTB (4.3)	HNF1A (3.6)
0.82	>=0.20	MTF2 (3.3)	ARID1A (2.9)	EYA3 (2.8)
0.82	>=0.20	LCMT2 (3.2)	AMBRA1 (3.0)	AFF1 (2.9)
0.82	>=0.20	FZD9 (2.9)	RSPO3 (2.8)	CYP26A1 (2.5)
0.82	>=0.20	MADD (3.7)	GNAO1 (3.3)	MPP2 (3.1)
0.82	>=0.20	MPP3 (3.6)	GNAO1 (3.1)	PPP1R1B (3.0)
0.82	>=0.20	RLTPR (3.8)	CETP (2.6)	NFATC3 (2.4)
0.82	>=0.20	CCL17 (3.5)	CCL22 (3.2)	CD40 (2.4)
0.82	>=0.20	ZNF613 (2.9)	TGM7 (2.5)	DGKG (2.1)
0.82	>=0.20	RELB (3.7)	PTPRJ (2.9)	ACP2 (2.9)
0.82	>=0.20	HARBI1 (3.4)	ENSG00000181123 (2	SNX13 (2.9)
0.82	>=0.20	GPN2 (3.6)	ZNF259 (3.3)	SNORD58C (2.7)
0.82	>=0.20	PPY (5.1)	PYY (4.7)	BMP8A (3.3)
0.82	>=0.20	PVRL2 (3.1)	KANK2 (3.0)	GALNT2 (2.7)
0.82	>=0.20	CXXC1 (3.0)	C12orf43 (3.0)	EDC4 (2.8)
0.82	>=0.20	CXXC1 (3.0)	C12orf43 (3.0)	EDC4 (2.8)
0.82	>=0.20	ZNF408 (2.5)	LSM12 (2.5)	SBNO1 (2.4)
0.82	>=0.20	BCL7B (6.0)	DCPS (3.7)	KBTBD4 (3.1)
0.82	>=0.20	FZD9 (3.1)	CYP26A1 (2.9)	ERBB2 (2.7)
0.82	>=0.20	CBFB (3.6)	REEP3 (3.0)	PAFAH1B2 (3.0)
0.82	>=0.20	FZD9 (3.5)	TAGLN (3.4)	B3GNT9 (2.8)
0.82	>=0.20	CYP2W1 (4.7)	PCSK7 (3.9)	TRNP1 (3.5)
0.82	>=0.20	C11orf9 (3.5)	RSPO3 (2.9)	PVRL2 (2.8)
0.82	>=0.20	FZD9 (4.1)	KLF14 (2.8)	PACSIN3 (2.2)
0.82	>=0.20	DOK4 (3.7)	ENSG00000256746 (2	ZNF613 (2.8)
0.82	>=0.20	ST3GAL4 (4.1)	FZD9 (2.7)	PIGV (2.7)
0.82	>=0.20	UBR1 (3.3)	OGFOD1 (3.3)	SLC7A6OS (3.2)
0.82	>=0.20	GNAO1 (3.9)	NEUROD2 (3.6)	PPY (3.0)
0.82	>=0.20	LRRC29 (2.9)	PTPMT1 (2.6)	ENSG00000247445 (2
0.82	>=0.20	UVRAG (3.0)	DYM (2.4)	CCDC116 (2.3)
0.82	>=0.20	UVRAG (3.0)	DYM (2.4)	CCDC116 (2.3)
0.82	>=0.20	SDF2L1 (6.7)	PDIA3 (6.7)	TMEM208 (4.1)
0.82	>=0.20	DEPDC1 (3.9)	ELMO3 (3.4)	SKA1 (3.4)
0.82	>=0.20	UVRAG (2.9)	ENSG00000226645 (2	DYM (2.5)
0.82	>=0.20	SETD8 (2.9)	FEN1 (2.4)	TRPS1 (2.3)
0.82	>=0.20	OASL (6.1)	TMEM62 (2.7)	FPR3 (2.5)
0.82	>=0.20	OASL (6.1)	TMEM62 (2.7)	FPR3 (2.5)
0.82	>=0.20	CENPT (4.5)	DEPDC1 (4.5)	CKAP5 (3.9)
0.82	>=0.20	CITED2 (2.7)	ZFAND2A (2.7)	SFN (2.5)
0.82	>=0.20	NDUFS3 (6.0)	PDHB (4.1)	COQ9 (4.1)
0.82	>=0.20	NRBF2 (2.8)	DOK4 (2.7)	AFF1 (2.5)
0.82	>=0.20	HERPUD1 (4.9)	DUS2L (3.9)	DYM (3.8)

0.82	>=0.20	INTS10 (2.5)	MFAP1 (2.4)	DDB2 (2.4)
0.82	>=0.20	MPHOSPH9 (3.0)	ZNF664 (2.9)	ENSG00000182109 (2
0.82	>=0.20	NFATC3 (3.4)	THAP11 (3.2)	FAM192A (2.9)
0.82	>=0.20	DPEP3 (4.1)	PLEKHG4 (3.0)	ELMO3 (2.7)
0.82	>=0.20	TGM5 (5.5)	SFN (3.6)	SMPD3 (2.2)
0.82	>=0.20	CCNDBP1 (2.6)	CCDC92 (2.4)	DUSP3 (2.3)
0.82	>=0.20	NDUFS3 (4.4)	COQ9 (3.7)	CIAPIN1 (3.4)
0.83	>=0.20	UBR1 (3.6)	TP53BP1 (3.6)	RANBP10 (3.2)
0.83	>=0.20	ZNF350 (2.2)	PLTP (2.2)	CETP (2.1)
0.83	>=0.20	TOMM40 (3.8)	ZNF259 (3.8)	EIF3J (2.9)
0.83	>=0.20	CENPT (4.6)	DEPDC1 (4.1)	CKAP5 (3.6)
0.83	>=0.20	FBXL20 (5.4)	ATG13 (5.0)	C16orf70 (5.0)
0.83	>=0.20	MYBPC3 (4.9)	PACSIN3 (2.9)	TCAP (2.9)
0.83	>=0.20	MYBPC3 (4.9)	PACSIN3 (2.9)	TCAP (2.9)
0.83	>=0.20	THAP11 (3.3)	BCL7B (3.2)	DCPS (2.9)
0.83	>=0.20	ACAA2 (4.4)	COQ9 (3.9)	PDHB (3.6)
0.83	>=0.20	RBM6 (4.4)	FNBP4 (3.5)	MBD1 (3.4)
0.83	>=0.20	TCAP (8.1)	MYBPC3 (5.7)	PACSIN3 (5.1)
0.83	>=0.20	KCTD10 (4.7)	GPIHBP1 (3.5)	TAGLN (3.3)
0.83	>=0.20	PLA2G15 (4.5)	IGF2R (3.2)	SPG11 (2.7)
0.83	>=0.20	C17orf105 (7.2)	KCTD19 (2.4)	DPEP3 (2.2)
0.83	>=0.20	KPNB1 (3.6)	DUSP3 (3.0)	TRNP1 (2.8)
0.83	>=0.20	ZNF259 (3.2)	SNORD58C (2.6)	ENSG00000226334 (2
0.83	>=0.20	CD40 (3.0)	FPR3 (2.8)	PCSK7 (2.7)
0.83	>=0.20	CPNE2 (3.4)	PTPRZ1 (2.9)	CELSR2 (2.7)
0.83	>=0.20	FHOD1 (3.0)	MACF1 (2.6)	MADD (2.6)
0.83	>=0.20	CCDC92 (4.5)	MAP1A (3.1)	SNX10 (2.6)
0.83	>=0.20	COQ9 (5.1)	PDHB (4.4)	NDUFS3 (4.1)
0.83	>=0.20	COQ9 (5.1)	PDHB (4.4)	NDUFS3 (4.1)
0.83	>=0.20	TRPS1 (3.8)	SLC39A13 (3.2)	PYY (2.9)
0.83	>=0.20	APOA4 (4.4)	C1orf172 (3.2)	MST1R (2.9)
0.83	>=0.20	KPNB1 (3.9)	FNBP4 (3.5)	SNORD58C (3.4)
0.83	>=0.20	GNAO1 (3.4)	C1QTNF4 (2.7)	PTPRZ1 (2.7)
0.83	>=0.20	SNORD58C (4.1)	NUTF2 (2.7)	OR4A21P (2.0)
0.83	>=0.20	SNORD58C (4.1)	NUTF2 (2.7)	OR4A21P (2.0)
0.83	>=0.20	SPI1 (3.3)	ENSG00000181123 (2	RLTPR (2.2)
0.83	>=0.20	MYO5B (2.4)	C7orf50 (2.2)	KANK2 (2.2)
0.83	>=0.20	COQ9 (5.0)	NDUFS3 (4.4)	CIAPIN1 (3.4)
0.83	>=0.20	DGKG (3.8)	NEUROD2 (3.4)	PTPRZ1 (3.3)
0.83	>=0.20	RAPSN (3.5)	PACSIN3 (2.6)	KCTD19 (2.3)
0.83	>=0.20	SNORD58C (3.4)	TOMM40 (3.1)	KPNB1 (2.9)
0.83	>=0.20	ZNF335 (3.3)	PSMC3 (3.1)	RELB (3.0)
0.83	>=0.20	EPB42 (3.3)	HSF4 (3.2)	NOL3 (2.8)
0.83	>=0.20	FEN1 (6.3)	WDR76 (6.3)	SKA1 (4.1)
0.83	>=0.20	ZNF259 (3.5)	EIF3J (3.3)	TOMM40 (2.8)
0.83	>=0.20	C1QTNF4 (3.5)	MPP2 (3.4)	MAP1A (3.3)
0.83	>=0.20	GPN2 (3.8)	C12orf43 (3.8)	INTS10 (2.9)
0.83	>=0.20	NLRC5 (3.2)	DUS2L (2.9)	TTC39B (2.8)
0.83	>=0.20	BBS2 (3.6)	DUS2L (3.1)	PRMT7 (2.8)
0.83	>=0.20	TECTB (4.1)	SOST (2.9)	LRP4 (2.3)

0.83	>=0.20	ZNF259 (3.8)	C12orf43 (3.1)	GPN2 (2.8)
0.83	>=0.20	KLF14 (2.6)	TECTB (2.5)	CPS1 (2.4)
0.83	>=0.20	BAZ1B (4.3)	RBM5 (3.7)	FNBP4 (3.4)
0.83	>=0.20	KLF14 (2.8)	TRPS1 (2.7)	ENSG00000256746 (2
0.83	>=0.20	AGBL2 (3.2)	BBS2 (2.5)	G6PC3 (2.4)
0.83	>=0.20	CSGALNACT1 (2.4)	CMIP (2.3)	TRNP1 (2.1)
0.83	>=0.20	ESRP2 (2.4)	KLF14 (2.2)	ENSG00000236267 (2
0.83	>=0.20	CCL17 (3.3)	OR4A1P (2.8)	TTC39B (2.4)
0.83	>=0.20	RLTPR (3.4)	PARD6A (2.5)	LILRA3 (2.4)
0.83	>=0.20	MYBPC3 (5.3)	TCAP (3.7)	ABCA1 (2.3)
0.83	>=0.20	GNAO1 (3.1)	NEUROD2 (3.0)	MPP2 (3.0)
0.83	>=0.20	FZD9 (4.3)	TRPS1 (3.1)	CSGALNACT1 (2.7)
0.83	>=0.20	PITPNM2 (3.1)	CCDC116 (2.7)	ENSG00000226645 (2
0.83	>=0.20	FEN1 (6.6)	WDR76 (6.5)	SKA1 (5.3)
0.83	>=0.20	SNORD58C (4.2)	NUTF2 (2.9)	PSMC3 (2.4)
0.83	>=0.20	GPN2 (4.0)	C12orf43 (3.6)	INTS10 (2.7)
0.83	>=0.20	NLRC5 (7.9)	PSMB10 (4.0)	CD40 (2.3)
0.83	>=0.20	FNBP4 (3.9)	TOMM40 (3.5)	KPNB1 (3.0)
0.83	>=0.20	THAP11 (4.6)	FAM192A (4.2)	NFATC3 (3.8)
0.83	>=0.20	CD300LG (3.6)	DOK4 (3.2)	GNAO1 (2.7)
0.83	>=0.20	ENSG00000236267 (3	AGBL2 (3.0)	CCL17 (2.7)
0.83	>=0.20	RAPSN (5.6)	TCAP (4.8)	ABCA8 (2.8)
0.83	>=0.20	WDR76 (7.2)	FEN1 (6.7)	DDB2 (3.6)
0.83	>=0.20	LSM12 (3.5)	PTPRZ1 (2.6)	ZNF664 (2.6)
0.83	>=0.20	SLC12A3 (3.9)	ENSG00000247445 (2	PGS1 (2.3)
0.83	>=0.20	MYO5B (2.7)	SLC12A3 (2.6)	ENSG00000179523 (2
0.83	>=0.20	GRB7 (3.8)	PGAP3 (3.1)	CCDC11 (3.0)
0.83	>=0.20	ABCA8 (3.8)	SCARB1 (3.7)	PNMT (3.7)
0.83	>=0.20	TMEM175 (3.8)	PIGV (3.7)	G6PC3 (3.2)
0.83	>=0.20	ZNF259 (4.9)	TOMM40 (3.7)	EIF3J (2.8)
0.83	>=0.20	FPR3 (3.1)	SPI1 (2.5)	ENSG00000236267 (2
0.83	>=0.20	NLRC5 (7.9)	PSMB10 (4.1)	FPR3 (2.3)
0.83	>=0.20	ZNF259 (4.6)	PRMT7 (3.4)	TOMM40 (3.3)
0.83	>=0.20	UVRAG (2.9)	KCTD10 (2.9)	CCDC92 (2.6)
0.84	>=0.20	CYP26A1 (4.0)	TGM7 (3.0)	SMPD3 (3.0)
0.84	>=0.20	KLHL8 (2.9)	C18orf32 (2.7)	MFAP1 (2.6)
0.84	>=0.20	RAB11B (3.6)	NCOA5 (3.3)	RBM6 (3.0)
0.84	>=0.20	ZNF259 (4.7)	TOMM40 (3.6)	PRMT7 (3.1)
0.84	>=0.20	SFN (3.0)	OR5J2 (2.8)	CCDC92 (2.6)
0.84	>=0.20	RAPSN (6.7)	NEUROD2 (3.3)	ENSG00000247867 (2
0.84	>=0.20	TSNAXIP1 (2.5)	MYO1H (2.1)	TGM5 (2.0)
0.84	>=0.20	SNORD58C (3.4)	ZNF259 (2.7)	TOMM40 (2.5)
0.84	>=0.20	ZNF259 (4.5)	EIF3J (3.8)	TOMM40 (3.1)
0.84	>=0.20	GRB7 (3.5)	PGAP3 (3.3)	CX3CL1 (2.2)
0.84	>=0.20	RAB11B (3.5)	PLA2G6 (2.5)	RLTPR (2.3)
0.84	>=0.20	SIK3 (3.4)	C11orf9 (3.1)	ARFGAP2 (3.1)
0.84	>=0.20	ZNF259 (4.7)	TOMM40 (3.7)	EIF3J (3.0)
0.84	>=0.20	FEN1 (6.8)	WDR76 (6.7)	SKA1 (4.1)
0.84	>=0.20	KCTD10 (3.0)	PRMT7 (3.0)	NUP93 (2.7)
0.84	>=0.20	TCAP (4.2)	SFN (3.2)	ETV5 (2.8)

0.84	>=0.20	TRPS1 (3.4)	CSGALNACT1 (3.2)	FZD9 (3.0)
0.84	>=0.20	MYBPC3 (4.2)	PDE3A (3.1)	ERBB2 (2.9)
0.84	>=0.20	TRPS1 (2.9)	GNAO1 (2.6)	MPP3 (2.6)
0.84	>=0.20	NEUROD2 (5.1)	MPP2 (3.9)	C1QTNF4 (2.7)
0.84	>=0.20	LRP4 (3.7)	CYP26A1 (2.8)	PPP1R1B (2.6)
0.84	>=0.20	NCOA5 (3.0)	OR5L2 (2.8)	MTMR3 (2.8)
0.84	>=0.20	ADAL (3.1)	PLTP (2.7)	LRP4 (2.3)
0.84	>=0.20	GPN2 (4.1)	FAM192A (3.5)	RSPRY1 (3.2)
0.84	>=0.20	ZNF408 (2.8)	MBD1 (2.6)	TECTB (2.4)
0.84	>=0.20	OR5I1 (3.3)	PLEKHG4 (2.8)	ABCA8 (2.3)
0.84	>=0.20	PCSK7 (3.1)	ARHGAP1 (3.0)	MACF1 (2.5)
0.84	>=0.20	HCAR1 (3.6)	GNAO1 (3.2)	C1QTNF4 (2.3)
0.84	>=0.20	POLR2C (2.9)	NPEPPS (2.8)	DCPS (2.7)
0.84	>=0.20	TGM7 (5.2)	C1orf172 (4.3)	ENSG00000181123 (3
0.84	>=0.20	CYP26A1 (3.0)	PGAP3 (2.8)	RAPSN (2.8)
0.84	>=0.20	ENSG00000247445 (3	POLR2C (2.9)	ACD (2.8)
0.84	>=0.20	ENSG00000247445 (4	CASC4 (3.5)	ZNF350 (2.9)
0.84	>=0.20	CYP26A1 (3.9)	LRP4 (3.9)	TRPS1 (3.6)
0.84	>=0.20	TMED5 (2.7)	SDF2L1 (2.5)	MED1 (2.5)
0.84	>=0.20	JMJD1C (3.4)	NFATC3 (2.9)	HDAC5 (2.8)
0.84	>=0.20	MYBPC3 (6.7)	TCAP (5.9)	PACSIN3 (3.5)
0.84	>=0.20	EPB42 (2.4)	ST3GAL4 (2.3)	MST1R (2.3)
0.84	>=0.20	RSPO3 (3.6)	KANK2 (3.3)	LRP4 (3.3)
0.84	>=0.20	MTMR3 (4.4)	UBR1 (3.1)	FHOD1 (2.7)
0.84	>=0.20	PSMC3 (6.1)	ZFAND2A (4.0)	MTCH2 (3.8)
0.84	>=0.20	YDJC (4.2)	PRMT7 (3.5)	TRADD (3.4)
0.84	>=0.20	TAGLN (4.0)	TRPS1 (3.6)	TGM7 (3.6)
0.84	>=0.20	AMBRA1 (3.1)	AFF1 (2.9)	PCSK7 (2.9)
0.84	>=0.20	TAGLN (4.2)	CTRL (2.9)	SLC39A13 (2.5)
0.84	>=0.20	BBS2 (5.1)	SPG11 (3.6)	RSPRY1 (3.5)
0.84	>=0.20	ENSG00000223745 (2	KLF14 (2.2)	ESRP2 (2.2)
0.84	>=0.20	C11orf9 (3.4)	BACE1 (2.3)	B3GNT9 (2.3)
0.84	>=0.20	CELF1 (3.3)	NUP160 (3.3)	ENSG00000226645 (3
0.84	>=0.20	CELF1 (3.3)	NUP160 (3.3)	ENSG00000226645 (3
0.84	>=0.20	AMFR (3.2)	ZSCAN29 (3.0)	BMP8A (2.9)
0.84	>=0.20	SNORD58C (3.6)	ZNF259 (2.9)	TOMM40 (2.8)
0.84	>=0.20	SNORD58C (3.6)	ZNF259 (2.9)	TOMM40 (2.8)
0.84	>=0.20	SNORD58C (3.6)	ZNF259 (2.9)	TOMM40 (2.8)
0.84	>=0.20	KPNB1 (3.6)	PGAP3 (3.1)	TOMM40 (3.1)
0.84	>=0.20	WDR76 (7.4)	FEN1 (7.4)	SKA1 (4.0)
0.84	>=0.20	FNBP4 (3.2)	CELF1 (3.1)	NCOA5 (3.0)
0.84	>=0.20	CCL17 (4.6)	CCL22 (4.0)	RELB (3.2)
0.84	>=0.20	PVRL2 (3.1)	ERBB2 (2.9)	ETV5 (2.3)
0.84	>=0.20	CYP2W1 (2.8)	RLTPR (2.8)	SPRYD5 (2.7)
0.84	>=0.20	FEN1 (6.3)	WDR76 (5.4)	SKA1 (5.2)
0.84	>=0.20	NLRC5 (8.0)	PSMB10 (4.0)	APOE (2.3)
0.84	>=0.20	NLRC5 (8.0)	PSMB10 (4.0)	APOE (2.3)
0.84	>=0.20	NLRC5 (8.0)	PSMB10 (4.0)	APOE (2.3)
0.84	>=0.20	NLRC5 (8.0)	PSMB10 (4.0)	APOE (2.3)
0.84	>=0.20	TCAP (7.4)	RAPSN (6.7)	PACSIN3 (3.9)

0.84	>=0.20	CELSR2 (3.5)	BCAM (3.2)	MPP2 (2.4)
0.84	>=0.20	FZD9 (4.2)	TRPS1 (3.1)	RSPO3 (2.8)
0.84	>=0.20	YDJC (5.1)	C16orf86 (3.1)	NUTF2 (3.0)
0.84	>=0.20	RAPSN (4.4)	NPEPPS (3.0)	DYM (2.9)
0.84	>=0.20	LIPG (4.2)	NEUROD2 (3.1)	SMPD3 (3.0)
0.84	>=0.20	ELMO3 (3.8)	HARBI1 (3.6)	ATG13 (3.1)
0.84	>=0.20	MED1 (3.1)	TOMM40 (2.9)	NDUFS3 (2.8)
0.84	>=0.20	PSMC3 (4.1)	DCPS (3.5)	TOMM40 (2.9)
0.84	>=0.20	WDR76 (3.7)	PIGV (2.8)	C7orf50 (2.7)
0.84	>=0.20	NEUROD2 (4.9)	ENSG00000247445 (3	PTPRZ1 (2.9)
0.84	>=0.20	PLA2G6 (4.6)	ZNF408 (4.1)	HARBI1 (3.7)
0.84	>=0.20	TAGLN (3.9)	KANK2 (2.9)	MACF1 (2.8)
0.84	>=0.20	PTPRZ1 (3.2)	CPNE2 (2.5)	ENSG00000254235 (2
0.84	>=0.20	CYP26A1 (4.3)	LRP4 (4.0)	SLC12A4 (3.8)
0.84	>=0.20	ENSG00000247445 (2	ZNF350 (2.5)	MYO1H (2.5)
0.84	>=0.20	TOMM40 (3.1)	C7orf50 (2.9)	PRMT7 (2.8)
0.84	>=0.20	CCL22 (4.9)	CD40 (3.6)	RBPJ (3.3)
0.84	>=0.20	CCDC18 (4.7)	MPHOSPH9 (3.6)	CENPT (3.2)
0.84	>=0.20	CCDC18 (4.7)	MPHOSPH9 (3.6)	CENPT (3.2)
0.84	>=0.20	FPR3 (2.7)	RLTPR (2.6)	ACP2 (2.6)
0.84	>=0.20	FPR3 (2.7)	RLTPR (2.6)	ACP2 (2.6)
0.84	>=0.20	FPR3 (2.7)	RLTPR (2.6)	ACP2 (2.6)
0.84	>=0.20	ZFAND2A (4.0)	TOMM40 (3.0)	CITED2 (2.8)
0.84	>=0.20	EIF3J (3.3)	MTMR3 (3.3)	BCL7B (3.2)
0.84	>=0.20	NDUFS3 (5.8)	PDHB (4.2)	COQ9 (3.6)
0.84	>=0.20	ENSG00000229043 (3	ENSG00000223745 (3	C16orf86 (3.1)
0.84	>=0.20	PITPNM2 (3.2)	MACF1 (2.9)	PTPRJ (2.8)
0.84	>=0.20	ZNF259 (3.8)	SNORD58C (3.1)	TOMM40 (2.7)
0.84	>=0.20	ZNF259 (3.8)	TOMM40 (3.5)	EIF3J (3.3)
0.84	>=0.20	PYY (4.4)	PPY (3.5)	PDE3A (2.7)
0.84	>=0.20	RAPSN (6.4)	TCAP (5.4)	PACSIN3 (5.3)
0.84	>=0.20	FNBP4 (5.1)	ZNF664 (3.4)	RBM5 (3.2)
0.84	>=0.20	FEN1 (7.2)	WDR76 (6.1)	DDB2 (3.9)
0.84	>=0.20	DOCK6 (3.6)	CYP26A1 (2.8)	ENSG00000229043 (2
0.85	>=0.20	AMFR (4.8)	PDIA3 (4.7)	TMEM208 (4.2)
0.85	>=0.20	C11orf9 (2.3)	C1QTNF4 (2.1)	RSPO3 (2.1)
0.85	>=0.20	SETD8 (2.8)	FEN1 (2.4)	TRPS1 (2.3)
0.85	>=0.20	PAFAH1B2 (3.5)	CCDC18 (3.4)	CENPT (3.1)
0.85	>=0.20	OGFOD1 (3.5)	BBS2 (3.2)	ENSG00000254235 (3
0.85	>=0.20	CYP26A1 (3.6)	TRPS1 (3.0)	FZD9 (2.8)
0.85	>=0.20	DUSP3 (3.9)	FHOD1 (3.0)	TBKBP1 (3.0)
0.85	>=0.20	SIK3 (3.1)	KCTD19 (2.4)	C11orf49 (2.3)
0.85	>=0.20	RNF214 (3.8)	C17orf57 (3.4)	PIGV (3.2)
0.85	>=0.20	TAGLN (7.6)	TCAP (5.5)	KCTD10 (3.0)
0.85	>=0.20	BCL7B (5.6)	DCPS (4.1)	KBTBD4 (2.8)
0.85	>=0.20	PTPRZ1 (2.5)	SPRYD5 (2.0)	LRRC29 (1.9)
0.85	>=0.20	NUTF2 (3.2)	COX19 (3.2)	SETD8 (3.2)
0.85	>=0.20	INTS10 (2.5)	THAP11 (2.4)	ZNF259 (2.2)
0.85	>=0.20	DDB2 (5.3)	WDR76 (4.4)	SKA1 (3.3)
0.85	>=0.20	PSMC3 (3.6)	NPEPPS (3.2)	COX19 (3.1)

0.85	>=0.20	LRP4 (6.2)	BCAM (3.5)	PTPRZ1 (3.1)
0.85	>=0.20	CELF1 (3.6)	KBTBD4 (3.2)	NUP160 (3.0)
0.85	>=0.20	ZNF259 (5.2)	TOMM40 (3.8)	EIF3J (3.3)
0.85	>=0.20	TNKS (4.3)	DDB2 (3.7)	WDR76 (3.2)
0.85	>=0.20	CCDC18 (4.7)	CASC4 (3.3)	CKAP5 (3.2)
0.85	>=0.20	KPNB1 (2.6)	DUS2L (2.5)	RBM5 (2.3)
0.85	>=0.20	ZNF408 (3.3)	BUD13 (2.9)	PCIF1 (2.6)
0.85	>=0.20	CYP2W1 (4.8)	PCSK7 (3.7)	TRNP1 (3.4)
0.85	>=0.20	ZDHHC18 (3.0)	OGFOD1 (2.9)	THAP11 (2.9)
0.85	>=0.20	STRC (2.7)	B3GNT9 (2.4)	OR4A1P (2.1)
0.85	>=0.20	C12orf43 (3.5)	ZNF259 (2.8)	CCNDBP1 (2.6)
0.85	>=0.20	NDUFS3 (6.1)	COQ9 (5.7)	PDHB (5.6)
0.85	>=0.20	SNORD58C (3.7)	ENSG00000226334 (2	NUTF2 (2.7)
0.85	>=0.20	SLC7A6 (2.6)	DR1 (2.4)	FHOD1 (2.4)
0.85	>=0.20	NUTF2 (3.7)	ENSG00000229043 (3	PSMC3 (3.0)
0.85	>=0.20	ZSCAN29 (3.4)	C17orf105 (3.0)	PNMT (3.0)
0.85	>=0.20	ZNF664 (2.5)	AMBRA1 (2.3)	SNORD58C (2.2)
0.85	>=0.20	WDR76 (4.2)	FEN1 (4.2)	CTDSPL2 (4.1)
0.85	>=0.20	LRRC29 (3.5)	ATG13 (3.2)	TP53BP1 (3.0)
0.85	>=0.20	NCOA5 (3.4)	CCNDBP1 (2.8)	BCL7B (2.6)
0.85	>=0.20	LRP4 (3.1)	KANK2 (3.1)	CITED2 (2.9)
0.85	>=0.20	TMEM175 (5.0)	TMEM101 (4.6)	PIGV (3.5)
0.85	>=0.20	CYP26A1 (3.1)	LRP4 (3.0)	TRPS1 (2.9)
0.85	>=0.20	TGM7 (2.7)	ZNF613 (2.2)	DGKG (2.1)
0.85	>=0.20	MPP2 (3.6)	DGKG (2.6)	MPP3 (2.6)
0.85	>=0.20	SLC12A3 (7.1)	COBLL1 (3.4)	HNF1A (2.4)
0.85	>=0.20	MAP1A (3.7)	MPP2 (3.4)	MYO5B (2.5)
0.85	>=0.20	ENSG00000254235 (4	STRC (2.7)	LPA (2.3)
0.85	>=0.20	ENSG00000254235 (4	STRC (2.7)	LPA (2.3)
0.85	>=0.20	SDF2L1 (5.1)	HERPUD1 (4.5)	ATG13 (4.3)
0.85	>=0.20	SPI1 (3.0)	FPR3 (2.8)	PTPRJ (2.8)
0.85	>=0.20	MAP1A (4.0)	MPP2 (3.4)	TRNP1 (2.8)
0.85	>=0.20	SLC12A3 (4.1)	MT1M (2.5)	GPER (2.4)
0.85	>=0.20	KBTBD4 (3.9)	PIGV (3.8)	TMED5 (2.9)
0.85	>=0.20	GNAO1 (3.4)	MAP1A (2.9)	MPP2 (2.6)
0.85	>=0.20	ATG13 (3.3)	ZFAND2A (3.1)	LRRC29 (3.0)
0.85	>=0.20	TCAP (8.6)	MYBPC3 (7.6)	PACSIN3 (3.9)
0.85	>=0.20	WDR76 (4.8)	FEN1 (4.0)	DDB2 (3.8)
0.85	>=0.20	OR5I1 (3.7)	ENSG00000254235 (3	PYY (2.9)
0.85	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (5.1)
0.85	>=0.20	DOK4 (3.7)	ENSG00000256746 (3	ZNF613 (2.6)
0.85	>=0.20	CYP26A1 (3.3)	LPA (2.4)	HNF1A (2.1)
0.85	>=0.20	FPR3 (3.9)	NLRC5 (2.7)	PSMB10 (2.5)
0.85	>=0.20	TECTB (6.5)	LRP4 (3.8)	PPP1R1B (3.1)
0.85	>=0.20	RAPSN (7.3)	FADS1 (3.2)	PACSIN3 (3.1)
0.85	>=0.20	CMIP (3.0)	C1QTNF4 (2.9)	GNAO1 (2.6)
0.85	>=0.20	ZNF259 (4.8)	TOMM40 (4.2)	EIF3J (3.8)
0.85	>=0.20	FEN1 (6.6)	WDR76 (6.3)	SKA1 (4.9)
0.85	>=0.20	EIF3J (4.5)	ZNF259 (3.9)	SLC7A6OS (3.7)
0.85	>=0.20	NLRC5 (8.8)	ACP2 (3.3)	ENSG00000247445 (2

0.85	>=0.20	CIAPIN1 (3.6)	EIF3J (3.5)	RBM6 (3.4)
0.85	>=0.20	ZNF259 (5.1)	TOMM40 (3.6)	C7orf50 (3.0)
0.85	>=0.20	HNF1A (2.4)	SNORD58C (2.4)	TMED5 (2.1)
0.85	>=0.20	CDK12 (4.4)	PGAP3 (3.6)	JMJD1C (3.0)
0.85	>=0.20	SNORD58C (3.3)	TGM7 (3.0)	SPRYD5 (3.0)
0.85	>=0.20	CCNDBP1 (2.9)	MIEN1 (2.8)	UVRAG (2.6)
0.85	>=0.20	OR5L2 (4.3)	ENSG00000181296 (2	PTPMT1 (2.4)
0.85	>=0.20	TCAP (4.7)	KCTD10 (2.6)	CTRL (2.3)
0.85	>=0.20	TTC39B (3.4)	LILRA3 (2.4)	ENSG00000247445 (2
0.85	>=0.20	KCTD19 (3.8)	C17orf105 (2.6)	LRRC29 (2.5)
0.85	>=0.20	GPN2 (3.3)	ZNF259 (3.2)	NUP160 (3.1)
0.85	>=0.20	RSPO3 (3.4)	TRPS1 (2.9)	CYP26A1 (2.1)
0.85	>=0.20	WDR76 (6.1)	FEN1 (5.9)	SKA1 (4.3)
0.85	>=0.20	FNBP4 (3.8)	INTS10 (3.7)	THAP11 (2.9)
0.85	>=0.20	C11orf9 (4.5)	CYP26A1 (2.3)	DOK4 (2.3)
0.85	>=0.20	DYM (4.2)	PDHB (4.1)	ACAA2 (3.9)
0.85	>=0.20	ST3GAL4 (3.3)	KLHL8 (3.2)	PCSK7 (3.0)
0.85	>=0.20	DPEP2 (2.8)	CSGALNACT1 (2.2)	PLTP (2.2)
0.85	>=0.20	DPEP2 (2.8)	CSGALNACT1 (2.2)	PLTP (2.2)
0.85	>=0.20	NUTF2 (3.7)	SNORD58C (3.5)	ENSG00000226334 (3
0.85	>=0.20	ARID1A (3.7)	BAZ1B (3.0)	SMPD3 (2.6)
0.85	>=0.20	TECTB (5.6)	PLA2G6 (2.5)	STRC (2.3)
0.85	>=0.20	MACF1 (3.2)	AFF1 (3.0)	PACSIN3 (2.7)
0.85	>=0.20	C11orf49 (4.3)	BBS2 (4.0)	C16orf48 (3.4)
0.85	>=0.20	NEUROD2 (4.0)	CX3CL1 (4.0)	GNAO1 (3.7)
0.85	>=0.20	CELSR2 (3.3)	C1QTNF4 (3.2)	GNAO1 (2.6)
0.85	>=0.20	NUTF2 (3.7)	PGS1 (2.7)	ENSG00000247867 (2
0.85	>=0.20	SPI1 (2.9)	DPEP2 (2.7)	ENSG00000229043 (2
0.85	>=0.20	ABHD6 (2.9)	PIGV (2.9)	KIAA0895L (2.7)
0.85	>=0.20	PPIP5K1 (3.3)	ZFAND2A (2.9)	TP53BP1 (2.5)
0.85	>=0.20	TCAP (9.1)	MYBPC3 (7.2)	PACSIN3 (4.3)
0.85	>=0.20	RANBP10 (3.3)	ATG13 (3.1)	ENSG00000223745 (3
0.86	>=0.20	CENPT (4.3)	CKAP5 (3.6)	TMEM175 (3.6)
0.86	>=0.20	DYM (2.9)	PVRL2 (2.6)	ARFGAP2 (2.6)
0.86	>=0.20	RLTPR (3.6)	PITPNM2 (2.8)	ACP2 (2.3)
0.86	>=0.20	TECTB (3.4)	TRPS1 (2.3)	ENSG00000181123 (2
0.86	>=0.20	ZNF335 (3.3)	TNKS (2.6)	UBR1 (2.6)
0.86	>=0.20	MT1H (3.4)	ZNF259 (3.2)	PRMT7 (2.9)
0.86	>=0.20	EIF3J (3.7)	TOMM40 (3.7)	SBNO1 (3.2)
0.86	>=0.20	PSMC3 (4.1)	UBE2L3 (3.4)	KPNB1 (3.2)
0.86	>=0.20	OR5I1 (3.0)	HNF1A (3.0)	COQ9 (2.8)
0.86	>=0.20	CD40 (3.6)	CX3CL1 (3.0)	ZFAND2A (2.9)
0.86	>=0.20	LSM12 (2.9)	BCL3 (2.8)	MED1 (2.8)
0.86	>=0.20	KIAA0895L (3.5)	GNAO1 (3.1)	MAP1A (3.0)
0.86	>=0.20	EXOC3L1 (2.6)	ENSG00000226334 (2	SLC39A13 (2.2)
0.86	>=0.20	MTCH2 (4.3)	ACAA2 (3.3)	KPNB1 (2.5)
0.86	>=0.20	ATG13 (5.6)	ERBB2 (4.1)	GRB7 (3.7)
0.86	>=0.20	TOMM40 (3.5)	OGFOD1 (3.4)	EIF3J (3.2)
0.86	>=0.20	ZNF615 (3.5)	B3GNT9 (3.2)	ENSG00000256746 (3
0.86	>=0.20	CYP26A1 (2.4)	ETV5 (2.4)	SPRYD5 (2.4)

0.86	>=0.20	NDUFS3 (6.0)	PDHB (3.6)	MTCH2 (3.1)
0.86	>=0.20	TOMM40 (2.7)	PRMT7 (2.7)	ZNF259 (2.6)
0.86	>=0.20	NLRC5 (8.2)	PSMB10 (4.1)	APOE (2.4)
0.86	>=0.20	PSMB10 (3.3)	MBD1 (2.8)	PGS1 (2.2)
0.86	>=0.20	SDF2L1 (3.5)	PDIA3 (3.5)	TBL2 (2.8)
0.86	>=0.20	CELSR2 (3.0)	CPNE2 (2.9)	PTPRZ1 (2.8)
0.86	>=0.20	OR5J2 (3.1)	GRB7 (2.8)	KLF14 (2.7)
0.86	>=0.20	TGM5 (2.7)	MADD (2.2)	CSGALNACT1 (2.2)
0.86	>=0.20	TMEM175 (2.3)	TRADD (2.3)	C17orf57 (2.2)
0.86	>=0.20	FRMD5 (2.9)	RAPSN (2.7)	DDB2 (2.6)
0.86	>=0.20	PSMC3 (3.0)	CIAPIN1 (2.5)	POLR2C (2.2)
0.86	>=0.20	PGS1 (2.9)	SLC12A3 (2.5)	TECTB (2.5)
0.86	>=0.20	FEN1 (6.6)	WDR76 (6.4)	SKA1 (5.2)
0.86	>=0.20	PPP1R1B (3.9)	EYA3 (3.0)	ERBB2 (2.9)
0.86	>=0.20	MFAP1 (3.5)	TBL2 (3.1)	SETD8 (3.1)
0.86	>=0.20	TCAP (7.8)	MYBPC3 (3.6)	PACSIN3 (3.1)
0.86	>=0.20	HNF1A (3.6)	ENSG00000255507 (3	LRRC29 (2.8)
0.86	>=0.20	HNF1A (3.6)	ENSG00000255507 (3	LRRC29 (2.8)
0.86	>=0.20	MTF2 (3.0)	WDR76 (2.8)	PAFAH1B2 (2.7)
0.86	>=0.20	ACP2 (3.1)	RLTPR (2.8)	NR1H3 (2.8)
0.86	>=0.20	ACP2 (3.1)	RLTPR (2.8)	NR1H3 (2.8)
0.86	>=0.20	DPEP3 (3.6)	MTF2 (3.3)	ENSG00000223745 (2
0.86	>=0.20	RANBP10 (3.8)	ATG13 (3.8)	AMFR (3.3)
0.86	>=0.20	TRPS1 (3.5)	ENSG00000223745 (2	CELSR2 (2.5)
0.86	>=0.20	FEN1 (4.7)	CTDSPL2 (4.0)	MPHOSPH9 (3.8)
0.86	>=0.20	PSMC3 (5.9)	ZFAND2A (3.8)	MTCH2 (3.3)
0.86	>=0.20	PSMC3 (5.9)	ZFAND2A (3.8)	MTCH2 (3.3)
0.86	>=0.20	C12orf43 (3.7)	E2F4 (3.4)	CCNDBP1 (2.8)
0.86	>=0.20	SDF2L1 (4.0)	TMED5 (3.3)	PDIA3 (3.1)
0.86	>=0.20	PDIA3 (3.6)	TAGLN (3.2)	RBM5 (3.2)
0.86	>=0.20	FEN1 (5.0)	WDR76 (4.6)	DDB2 (4.1)
0.86	>=0.20	ZNF259 (3.7)	GPN2 (3.6)	SNORD58C (2.6)
0.86	>=0.20	RANBP10 (3.7)	ATG13 (3.7)	AMFR (3.3)
0.86	>=0.20	SNORD58C (3.6)	NUTF2 (3.0)	KPNB1 (2.7)
0.86	>=0.20	ENSG00000229043 (3	ZNF664 (3.0)	ENSG00000226645 (2
0.86	>=0.20	IGF2R (3.4)	ARFGAP2 (3.1)	CKAP5 (3.0)
0.86	>=0.20	UBE2L3 (2.3)	GFOD2 (2.3)	MON1A (2.1)
0.86	>=0.20	SLC12A3 (7.8)	PLG (5.6)	HNF4A (4.5)
0.86	>=0.20	TAGLN (5.8)	MACF1 (4.9)	KCTD10 (4.3)
0.86	>=0.20	DPEP3 (2.9)	TUBGCP4 (2.5)	REEP3 (2.4)
0.86	>=0.20	CYP26A1 (4.3)	SOST (3.7)	LRP4 (3.7)
0.86	>=0.20	COQ9 (5.8)	PDHB (4.9)	NDUFS3 (4.6)
0.86	>=0.20	FEN1 (4.5)	WDR76 (4.3)	BAZ1B (3.8)
0.86	>=0.20	ENSG00000236267 (3	PDE3A (3.7)	TAGLN (2.7)
0.86	>=0.20	C7orf50 (3.1)	DCPS (3.0)	ZSCAN29 (3.0)
0.86	>=0.20	ZFAND2A (3.2)	DDB2 (3.0)	PSMC3 (2.6)
0.86	>=0.20	KIAA0754 (4.0)	CKAP5 (2.7)	PCSK7 (2.6)
0.86	>=0.20	PLA2G15 (3.7)	B3GNT9 (3.2)	IGF2R (2.7)
0.86	>=0.20	OR4A1P (3.1)	DR1 (3.0)	ETV5 (2.6)
0.86	>=0.20	THAP11 (4.0)	PARD6A (3.5)	CENPT (3.3)

0.86 >=0.20	WDR76 (6.8)	FEN1 (6.8)	SKA1 (5.1)
0.86 >=0.20	ERBB2 (5.0)	TMEM175 (4.7)	G6PC3 (4.3)
0.86 >=0.20	MBD1 (5.0)	DYM (4.3)	SNORD58C (4.3)
0.86 >=0.20	PPY (3.8)	CTRL (3.7)	ENSG00000256746 (3
0.86 >=0.20	RAPSN (3.0)	FZD9 (2.4)	TCAP (2.4)
0.86 >=0.20	ADAL (2.2)	KCTD6 (1.7)	COBLL1 (1.6)
0.86 >=0.20	TCAP (11.2)	MYBPC3 (5.8)	PACSIN3 (4.5)
0.86 >=0.20	TAGLN (4.8)	KCTD10 (3.9)	SNORD58C (3.0)
0.86 >=0.20	ZNF259 (4.5)	LCMT2 (3.2)	EIF3J (2.7)
0.86 >=0.20	CENPT (3.8)	EDC4 (3.5)	ACD (3.4)
0.86 >=0.20	CENPT (3.8)	EDC4 (3.5)	ACD (3.4)
0.86 >=0.20	CENPT (3.8)	EDC4 (3.5)	ACD (3.4)
0.86 >=0.20	FBXL20 (5.2)	ATG13 (5.2)	C16orf70 (4.3)
0.87 >=0.20	SMPD3 (2.9)	KCTD10 (2.5)	ENSG00000247445 (2
0.87 >=0.20	PRMT7 (3.4)	SNORD58C (3.0)	C12orf43 (2.9)
0.87 >=0.20	ZSCAN29 (3.3)	EXOC3L1 (2.8)	ZNF614 (2.5)
0.87 >=0.20	SNORD58C (2.4)	HNF1A (2.3)	TMED5 (2.1)
0.87 >=0.20	MPP2 (3.6)	GNAO1 (3.5)	C1QTNF4 (2.6)
0.87 >=0.20	SLC12A3 (6.2)	MT1H (2.4)	OR5L2 (2.4)
0.87 >=0.20	KIAA0895L (3.9)	NPEPPS (2.9)	TP53BP1 (2.6)
0.87 >=0.20	ZNF259 (3.8)	KPNB1 (3.2)	EIF3J (3.0)
0.87 >=0.20	NDUFS3 (5.9)	PDHB (4.1)	COQ9 (4.0)
0.87 >=0.20	PTPRZ1 (3.1)	FRMD5 (2.6)	SPRYD5 (2.3)
0.87 >=0.20	SLC12A3 (4.8)	ABHD6 (3.8)	SLC9A5 (2.9)
0.87 >=0.20	PTPMT1 (3.2)	TOMM40 (2.8)	COQ9 (2.7)
0.87 >=0.20	GNAO1 (3.2)	MAP1A (2.7)	KIAA0895L (2.5)
0.87 >=0.20	MPP2 (3.3)	MAP1A (3.1)	TECTB (2.6)
0.87 >=0.20	TCAP (3.9)	PDE3A (3.5)	MYBPC3 (3.4)
0.87 >=0.20	THAP11 (4.3)	SLC7A6OS (3.6)	FAM192A (3.3)
0.87 >=0.20	GPER (2.7)	PNMT (2.6)	OR4A1P (2.3)
0.87 >=0.20	RLTPR (2.9)	PCSK7 (2.9)	TRADD (2.9)
0.87 >=0.20	NPEPPS (3.4)	MTMR3 (2.9)	TP53BP1 (2.8)
0.87 >=0.20	NEUROD2 (4.3)	CELSR2 (3.8)	SLC9A5 (3.1)
0.87 >=0.20	SNORD58C (2.6)	HNF1A (2.2)	TMED5 (2.1)
0.87 >=0.20	PDE3A (4.6)	TAGLN (4.4)	KANK2 (3.2)
0.87 >=0.20	LILRB2 (3.8)	MYO5B (3.1)	MACF1 (3.1)
0.87 >=0.20	TCAP (2.8)	PSMB10 (2.7)	MBD1 (2.3)
0.87 >=0.20	TRPS1 (3.2)	NLRC5 (3.2)	PLEKHG4 (2.4)
0.87 >=0.20	FZD9 (4.4)	ZNF615 (3.5)	CASC4 (2.9)
0.87 >=0.20	BCL7B (4.7)	NCOA5 (3.3)	PCIF1 (3.2)
0.87 >=0.20	SNORD58C (2.4)	NUP160 (2.3)	TOMM40 (2.1)
0.87 >=0.20	CYP26A1 (2.9)	TGM5 (2.6)	THAP11 (2.3)
0.87 >=0.20	KCTD10 (3.8)	GPIHBP1 (2.9)	UBE2L3 (2.7)
0.87 >=0.20	SLC12A3 (4.4)	PPY (3.1)	PYY (2.7)
0.87 >=0.20	TGM5 (4.3)	TECTB (2.7)	SEC14L4 (2.5)
0.87 >=0.20	SFN (6.2)	ELMO3 (4.9)	C1orf172 (4.5)
0.87 >=0.20	ZNF259 (4.6)	EIF3J (3.3)	TOMM40 (3.3)
0.87 >=0.20	C17orf105 (5.4)	KCTD19 (3.6)	CCDC116 (3.4)
0.87 >=0.20	NDUFS3 (6.1)	COQ9 (5.2)	PDHB (4.0)
0.87 >=0.20	DNAH10 (3.1)	OR5J2 (3.1)	ENSG00000182109 (2

0.87	>=0.20	KCTD6 (2.4)	DYM (2.2)	ADAL (2.2)
0.87	>=0.20	NPEPPS (3.5)	ENSG00000254235 (3	EIF3J (2.8)
0.87	>=0.20	ZNF259 (3.6)	FNBP4 (3.2)	SNORD58C (3.0)
0.87	>=0.20	NEUROD2 (4.2)	MPP3 (3.4)	MACF1 (2.7)
0.87	>=0.20	ABCB9 (3.1)	TTBK2 (2.8)	OR4A21P (2.5)
0.87	>=0.20	RSPO3 (2.9)	ABCB9 (2.6)	CYP26A1 (2.5)
0.87	>=0.20	PXK (3.9)	SNX13 (3.8)	ABHD6 (3.2)
0.87	>=0.20	SPRYD5 (3.0)	ABCB9 (2.4)	ENSG00000182109 (2
0.87	>=0.20	KCTD10 (4.3)	MACF1 (3.7)	KPNB1 (3.4)
0.87	>=0.20	SBNO1 (3.0)	BAZ1B (2.8)	FNBP4 (2.6)
0.87	>=0.20	TSNAXIP1 (6.4)	CCDC11 (5.9)	CKAP5 (4.6)
0.87	>=0.20	TSNAXIP1 (4.8)	AGBL2 (4.4)	C16orf48 (4.3)
0.87	>=0.20	ZFAND2A (4.1)	TRIB1 (2.8)	MTMR3 (2.5)
0.87	>=0.20	TOMM40 (3.6)	C7orf50 (3.5)	EIF3J (3.2)
0.87	>=0.20	TGM7 (3.0)	SOST (2.8)	SMPD3 (2.6)
0.87	>=0.20	SLC7A6OS (3.4)	C7orf50 (3.1)	RBM6 (3.1)
0.87	>=0.20	CYP26A1 (3.0)	OR5I1 (2.6)	DNAH10 (2.3)
0.87	>=0.20	SLC12A3 (5.2)	PYY (4.5)	C1orf172 (3.0)
0.87	>=0.20	NDUFS3 (6.2)	COQ9 (5.8)	PDHB (3.8)
0.87	>=0.20	NDUFS3 (6.2)	COQ9 (5.8)	PDHB (3.8)
0.87	>=0.20	NLRC5 (3.5)	TTC39B (2.7)	XKR8 (2.6)
0.87	>=0.20	MPP2 (4.0)	RBM5 (3.5)	TP53BP1 (3.1)
0.87	>=0.20	ZFAND2A (2.9)	MAFF (2.6)	CES4A (2.6)
0.87	>=0.20	NDUFS3 (4.9)	COQ9 (4.4)	PDHB (3.7)
0.87	>=0.20	NDUFS3 (4.9)	COQ9 (4.4)	PDHB (3.7)
0.87	>=0.20	NDUFS3 (4.9)	COQ9 (4.4)	PDHB (3.7)
0.87	>=0.20	BACE1 (4.1)	C17orf57 (2.4)	AGBL2 (2.1)
0.87	>=0.20	NDUFS3 (6.1)	PDHB (5.8)	COQ9 (5.7)
0.87	>=0.20	TTC39B (3.3)	ENSG00000247445 (2	SPRYD5 (2.6)
0.87	>=0.20	MT1F (6.4)	MT1G (5.8)	MT1M (5.2)
0.87	>=0.20	OR5L2 (4.3)	TSNAXIP1 (2.4)	PTPMT1 (2.4)
0.87	>=0.20	RAPSN (6.8)	GLUL (3.6)	GALNT2 (3.3)
0.87	>=0.20	TOMM40 (4.1)	ZNF259 (3.9)	EIF3J (3.5)
0.87	>=0.20	CYP26A1 (3.1)	RSPO3 (2.9)	ENSG00000226334 (2
0.87	>=0.20	CYP26A1 (3.8)	RSPO3 (2.6)	TRPS1 (2.5)
0.87	>=0.20	NDUFS3 (4.4)	COX19 (3.8)	PTPMT1 (3.7)
0.87	>=0.20	NDUFS3 (4.4)	COX19 (3.8)	PTPMT1 (3.7)
0.87	>=0.20	LRP4 (3.6)	CELSR2 (2.1)	PTPRZ1 (2.1)
0.87	>=0.20	GRB7 (6.0)	PGAP3 (4.7)	ERBB2 (4.0)
0.87	>=0.20	ZNF259 (4.3)	DDX28 (2.7)	C7orf50 (2.7)
0.87	>=0.20	NLRC5 (3.8)	XKR8 (2.8)	TTC39B (2.4)
0.87	>=0.20	ADAL (1.6)	COQ9 (1.5)	C17orf105 (1.4)
0.87	>=0.20	ENSG00000254235 (3	ABHD6 (3.1)	ENSG00000179523 (2
0.87	>=0.20	CETP (2.9)	MPP2 (2.6)	KLF14 (2.4)
0.87	>=0.20	NDUFS3 (4.0)	CKAP5 (3.2)	BUD13 (3.0)
0.87	>=0.20	FEN1 (4.4)	WDR76 (3.9)	DDB2 (3.2)
0.87	>=0.20	PAFAH1B2 (2.7)	C18orf32 (2.5)	MT1M (2.4)
0.87	>=0.20	XKR8 (3.3)	DPEP3 (2.6)	ZDHHC18 (2.5)
0.87	>=0.20	FZD9 (3.6)	RSPO3 (3.3)	TRPS1 (3.1)
0.87	>=0.20	C16orf48 (4.3)	WDR76 (3.6)	FEN1 (3.0)

0.87	>=0.20	C16orf48 (4.3)	WDR76 (3.6)	FEN1 (3.0)
0.87	>=0.20	PSMC3 (3.9)	MTCH2 (3.2)	FAM192A (3.1)
0.87	>=0.20	KIAA0895L (3.5)	TRNP1 (3.0)	GNAO1 (3.0)
0.87	>=0.20	PTPRZ1 (3.9)	CYP26A1 (3.7)	DNAH10 (2.2)
0.87	>=0.20	TRPS1 (4.8)	PPP1R1B (3.5)	SMPD3 (3.0)
0.87	>=0.20	DPEP3 (7.7)	PLEKHG4 (3.4)	KCTD19 (3.4)
0.87	>=0.20	AGBL2 (5.5)	TSNAXIP1 (5.1)	CCDC11 (4.6)
0.88	>=0.20	LILRA3 (3.3)	CCL22 (3.0)	LILRB2 (2.6)
0.88	>=0.20	GPER (3.0)	AMFR (2.8)	ENSG00000226645 (2
0.88	>=0.20	TECTB (4.4)	OR4A1P (3.7)	TSNAXIP1 (2.8)
0.88	>=0.20	FADS1 (3.9)	MMAB (3.4)	MVK (3.1)
0.88	>=0.20	DNAH10 (3.4)	OR5J2 (2.6)	OR5I1 (2.5)
0.88	>=0.20	NEUROD2 (2.9)	RSPO3 (2.6)	LSM12 (2.4)
0.88	>=0.20	C18orf32 (3.3)	OR5L2 (3.1)	MIEN1 (2.9)
0.88	>=0.20	MYBPC3 (4.6)	TCAP (4.0)	TAGLN (3.9)
0.88	>=0.20	TCAP (7.3)	MYBPC3 (6.1)	PACSIN3 (4.3)
0.88	>=0.20	DR1 (3.5)	ENSG00000181296 (2	C16orf86 (2.8)
0.88	>=0.20	MYO1H (3.7)	B3GNT9 (3.5)	CYP2W1 (3.1)
0.88	>=0.20	PCSK7 (3.1)	RLTPR (3.0)	PLA2G15 (2.9)
0.88	>=0.20	BACE1 (2.6)	ENSG00000179523 (2	RSPRY1 (2.3)
0.88	>=0.20	BACE1 (2.6)	ENSG00000179523 (2	RSPRY1 (2.3)
0.88	>=0.20	DOCK6 (3.6)	EXOC3L1 (3.0)	TBKBP1 (2.8)
0.88	>=0.20	MPP3 (2.6)	TTBK2 (2.6)	ADAL (2.4)
0.88	>=0.20	TAGLN (3.6)	DOK4 (3.4)	C11orf9 (2.6)
0.88	>=0.20	ZNF259 (4.5)	TOMM40 (3.8)	PRMT7 (3.3)
0.88	>=0.20	SLC12A3 (4.5)	HNF4A (2.6)	ENSG00000181296 (2
0.88	>=0.20	KPNB1 (2.6)	UBR1 (2.5)	SBNO1 (2.3)
0.88	>=0.20	THAP11 (2.7)	MFAP1 (2.6)	GLUL (2.6)
0.88	>=0.20	SLC9A5 (3.0)	MYO5B (3.0)	CES4A (2.9)
0.88	>=0.20	OASL (6.4)	ZFAND2A (2.7)	TMEM62 (2.6)
0.88	>=0.20	LRRC29 (3.1)	LILRA3 (2.9)	ENSG00000255507 (2
0.88	>=0.20	ZNF259 (3.0)	SNORD58C (2.8)	DDX28 (2.5)
0.88	>=0.20	OR5I1 (3.1)	PLEKHG4 (2.6)	CYP2W1 (2.2)
0.88	>=0.20	ZNF259 (5.2)	TOMM40 (3.8)	EIF3J (3.1)
0.88	>=0.20	DDB2 (4.8)	FEN1 (3.7)	NUP93 (3.0)
0.88	>=0.20	OR5L2 (4.3)	ENSG00000181296 (2	TSNAXIP1 (2.4)
0.88	>=0.20	C12orf43 (4.0)	E2F4 (2.8)	ZNF259 (2.6)
0.88	>=0.20	C11orf9 (4.6)	DOK4 (2.3)	DNAH10 (2.2)
0.88	>=0.20	SCARB1 (2.8)	PLEKHG4 (2.3)	MLXIPL (2.1)
0.88	>=0.20	BACE1 (2.7)	PLTP (2.3)	C16orf48 (2.0)
0.88	>=0.20	WDR76 (5.9)	FEN1 (4.8)	C16orf48 (3.7)
0.88	>=0.20	NUTF2 (3.7)	ENSG00000229043 (3	ZFAND2A (3.3)
0.88	>=0.20	NUP93 (3.8)	CKAP5 (3.5)	FEN1 (3.4)
0.88	>=0.20	DEPDC1 (3.5)	CKAP5 (2.7)	SKA1 (2.6)
0.88	>=0.20	TAGLN (3.7)	ZNF408 (3.0)	GPIHBP1 (2.8)
0.88	>=0.20	PDE3A (3.8)	PYY (2.9)	ENSG00000236267 (2
0.88	>=0.20	TECTB (6.1)	LRP4 (4.7)	FZD9 (4.0)
0.88	>=0.20	BAZ1B (3.5)	DDB2 (3.4)	WDR76 (3.2)
0.88	>=0.20	BAZ1B (3.5)	DDB2 (3.4)	WDR76 (3.2)
0.88	>=0.20	TAGLN (6.6)	ARHGAP1 (3.6)	KIAA0754 (3.2)

0.88	>=0.20	ENSG00000226645 (3	KLHL8 (2.8)	C12orf65 (2.6)
0.88	>=0.20	NEUROD2 (2.6)	DGKG (2.5)	DOK4 (2.5)
0.88	>=0.20	C11orf9 (5.7)	ABCA8 (4.3)	REEP3 (3.2)
0.88	>=0.20	PXK (3.2)	JMJD1C (2.9)	ETV5 (2.8)
0.88	>=0.20	GNAO1 (4.5)	MPP3 (4.0)	C1QTNF4 (3.9)
0.88	>=0.20	PACSIN3 (3.1)	BCAM (3.0)	RAB11B (2.9)
0.88	>=0.20	SLC12A3 (3.9)	NDUFS3 (3.3)	PPP1R1B (2.6)
0.88	>=0.20	MAP1A (4.0)	MPP2 (2.6)	RLTPR (2.6)
0.88	>=0.20	NEUROD2 (2.9)	PITPNM2 (2.6)	MBD1 (2.6)
0.88	>=0.20	CYP26A1 (4.7)	CCDC11 (2.9)	DOCK6 (2.4)
0.88	>=0.20	CES4A (3.9)	TMEM62 (3.5)	SEC14L4 (3.4)
0.88	>=0.20	DPEP3 (3.5)	MTF2 (3.5)	JMJD1C (2.3)
0.88	>=0.20	MAFF (3.5)	HERPUD1 (3.2)	GPR146 (2.8)
0.88	>=0.20	NEUROD2 (3.6)	PTPRZ1 (2.8)	FZD9 (2.2)
0.88	>=0.20	ZNF259 (4.6)	EIF3J (3.8)	TOMM40 (3.5)
0.88	>=0.20	TCAP (4.3)	PACSIN3 (3.8)	NOL3 (3.4)
0.88	>=0.20	NUTF2 (3.2)	UBE2L3 (2.4)	SNORD58C (2.3)
0.88	>=0.20	PDE3A (2.8)	NOL3 (2.7)	CSGALNACT1 (2.2)
0.88	>=0.20	LCMT2 (3.9)	C7orf50 (3.1)	DDX28 (3.1)
0.88	>=0.20	GRB7 (2.9)	TGM5 (2.9)	HNF1A (2.8)
0.88	>=0.20	HDAC5 (2.7)	PDE3A (2.4)	REEP3 (2.2)
0.88	>=0.20	CX3CL1 (3.6)	TCAP (3.0)	DGKG (2.7)
0.88	>=0.20	NDUFS3 (6.6)	COQ9 (5.6)	PDHB (5.5)
0.88	>=0.20	OR5J2 (6.0)	C17orf57 (3.1)	ENSG00000256746 (2
0.88	>=0.20	HDAC5 (3.5)	NPEPPS (2.5)	ABCB9 (2.4)
0.88	>=0.20	AGBL2 (3.5)	TSNAXIP1 (3.3)	C11orf49 (3.3)
0.88	>=0.20	ZNF614 (3.4)	KIAA0754 (2.4)	ZNF615 (2.3)
0.88	>=0.20	TRPS1 (3.9)	LRP4 (3.6)	CYP26A1 (3.2)
0.88	>=0.20	EPB42 (4.5)	NFATC3 (2.3)	OR5I1 (2.1)
0.88	>=0.20	SPRYD5 (4.2)	PYY (2.7)	KANK2 (2.6)
0.88	>=0.20	CYP26A1 (3.0)	PTPRZ1 (3.0)	LRP4 (2.7)
0.88	>=0.20	C16orf86 (2.4)	C1orf172 (2.2)	MTMR3 (2.0)
0.88	>=0.20	SNORD58C (2.9)	NUTF2 (2.6)	ZNF259 (2.4)
0.88	>=0.20	TMEM175 (4.7)	TMEM101 (4.7)	G6PC3 (4.1)
0.88	>=0.20	ZNF259 (4.8)	TOMM40 (3.7)	SLC7A6OS (2.9)
0.88	>=0.20	KPNB1 (3.3)	SNORD58C (3.0)	NUP93 (3.0)
0.88	>=0.20	BCL7B (2.9)	PCIF1 (2.6)	THAP11 (2.5)
0.88	>=0.20	SPRYD5 (3.7)	SPI1 (3.4)	DPEP2 (2.9)
0.89	>=0.20	MT1E (3.5)	MT1G (3.3)	LILRA3 (3.1)
0.89	>=0.20	SLC39A13 (3.8)	TBL2 (3.1)	PCSK7 (2.9)
0.89	>=0.20	ETV5 (3.2)	SLC12A4 (2.4)	KANK2 (2.3)
0.89	>=0.20	NUTF2 (2.6)	UBE2L3 (2.3)	KPNB1 (2.0)
0.89	>=0.20	CCDC11 (3.6)	GRB7 (3.2)	ETV5 (3.1)
0.89	>=0.20	NUTF2 (3.6)	ENSG00000229043 (3	COX19 (3.0)
0.89	>=0.20	SPG11 (4.3)	ENSG00000179523 (3	UBR1 (3.6)
0.89	>=0.20	EPB42 (4.7)	RANBP10 (3.7)	NUTF2 (3.2)
0.89	>=0.20	BACE1 (3.3)	CELSR2 (3.1)	NEUROD2 (2.5)
0.89	>=0.20	NLRC5 (7.0)	NFATC3 (2.6)	IGF2R (2.4)
0.89	>=0.20	MTF2 (3.8)	DEPDC1 (3.5)	FEN1 (3.2)
0.89	>=0.20	NUTF2 (3.5)	ENSG00000229043 (3	ZFAND2A (3.0)

0.89	>=0.20	KLF14 (2.7)	NEUROD2 (2.6)	DGKG (2.6)
0.89	>=0.20	MPP2 (3.5)	GNAO1 (3.3)	C1QTNF4 (2.5)
0.89	>=0.20	YDJC (4.0)	ZNF259 (3.2)	SLC7A6OS (3.2)
0.89	>=0.20	MPP3 (3.3)	PTPRZ1 (2.8)	FZD9 (2.5)
0.89	>=0.20	SLC12A4 (3.4)	MBD1 (2.9)	TRADD (2.7)
0.89	>=0.20	SNORD58C (2.3)	HNF1A (2.3)	CATSPER2 (2.1)
0.89	>=0.20	FEN1 (5.9)	WDR76 (5.9)	DDB2 (4.8)
0.89	>=0.20	FEN1 (5.9)	WDR76 (5.9)	DDB2 (4.8)
0.89	>=0.20	ENSG00000236267 (4	CCDC116 (3.4)	C16orf86 (2.6)
0.89	>=0.20	SMPD3 (3.0)	RAPSN (2.3)	E2F4 (1.9)
0.89	>=0.20	C1orf172 (6.6)	GRB7 (4.7)	SFN (4.7)
0.89	>=0.20	MAP1A (3.4)	TRNP1 (3.2)	NEUROD2 (3.0)
0.89	>=0.20	TCAP (4.5)	EPB42 (4.1)	RANBP10 (3.7)
0.89	>=0.20	DDX28 (3.9)	PRMT7 (3.8)	C7orf50 (3.8)
0.89	>=0.20	MPP2 (3.7)	GNAO1 (3.4)	NOL3 (2.6)
0.89	>=0.20	PSMC3 (5.0)	ARFGAP2 (3.3)	PDIA3 (2.7)
0.89	>=0.20	C18orf32 (3.2)	THAP11 (3.1)	MYBPC3 (3.0)
0.89	>=0.20	ZNF259 (3.4)	SNORD58C (2.6)	NUTF2 (2.2)
0.89	>=0.20	SLC12A3 (3.0)	YDJC (2.9)	ENSG00000254235 (2
0.89	>=0.20	NDUFS3 (5.1)	PDHB (4.8)	COQ9 (3.9)
0.89	>=0.20	NDUFS3 (5.1)	PDHB (4.8)	COQ9 (3.9)
0.89	>=0.20	ZNF259 (5.0)	TOMM40 (3.3)	PRMT7 (2.9)
0.89	>=0.20	WDR76 (5.9)	FEN1 (5.7)	CTDSPL2 (4.4)
0.89	>=0.20	WDR76 (5.9)	FEN1 (5.7)	CTDSPL2 (4.4)
0.89	>=0.20	SNORD58C (2.4)	HNF1A (2.4)	TMED5 (2.0)
0.89	>=0.20	TMEM175 (4.5)	G6PC3 (3.6)	PIGV (3.3)
0.89	>=0.20	RANBP10 (3.8)	ATG13 (3.7)	AMFR (3.3)
0.89	>=0.20	MAP1A (3.9)	MPP2 (3.2)	GNAO1 (2.5)
0.89	>=0.20	WDR76 (3.5)	DYM (3.3)	NUP160 (3.0)
0.89	>=0.20	YDJC (5.0)	SLC7A6OS (4.2)	C7orf50 (3.9)
0.89	>=0.20	RAPSN (4.5)	EPB42 (3.1)	NCOA5 (2.6)
0.89	>=0.20	CYP26A1 (3.6)	LRP4 (3.4)	TRPS1 (3.2)
0.89	>=0.20	HSF4 (2.7)	TRNP1 (2.5)	CELSR2 (2.4)
0.89	>=0.20	C1QTNF4 (2.9)	PPY (2.9)	GNAO1 (2.8)
0.89	>=0.20	C16orf48 (4.6)	CCDC18 (4.5)	BBS2 (4.0)
0.89	>=0.20	C18orf32 (2.3)	C11orf49 (2.3)	CMIP (2.3)
0.89	>=0.20	TAGLN (5.2)	TCAP (3.1)	PSMB10 (2.7)
0.89	>=0.20	TAGLN (5.2)	TCAP (3.1)	PSMB10 (2.7)
0.89	>=0.20	UVRAG (2.9)	SIK3 (2.7)	DYM (2.7)
0.89	>=0.20	TMEM101 (4.5)	TMEM175 (4.3)	G6PC3 (3.9)
0.89	>=0.20	TCAP (6.8)	PACSIN3 (3.9)	SFN (3.3)
0.89	>=0.20	PLTP (3.5)	DPEP2 (3.2)	AFF1 (2.7)
0.89	>=0.20	NUTF2 (3.6)	ENSG00000229043 (3	COX19 (2.9)
0.89	>=0.20	AMFR (3.6)	PXK (3.3)	PDHB (2.7)
0.89	>=0.20	ENSG00000229043 (3	NUTF2 (3.4)	COX19 (3.1)
0.89	>=0.20	SNORD58C (4.0)	KPNB1 (3.0)	ZNF259 (2.9)
0.89	>=0.20	ENSG00000255507 (3	C12orf65 (3.3)	HSF4 (2.8)
0.89	>=0.20	FNBP4 (2.5)	HDAC5 (2.4)	UBE2L3 (2.2)
0.89	>=0.20	DUSP3 (4.0)	KCTD10 (3.2)	PAFAH1B2 (2.9)
0.89	>=0.20	C12orf43 (3.6)	COX19 (3.0)	NPEPPS (2.6)

0.89	>=0.20	ZNF259 (3.6)	SNORD58C (3.4)	NUTF2 (2.9)
0.89	>=0.20	ZNF259 (4.3)	TOMM40 (3.8)	EIF3J (2.7)
0.89	>=0.20	MYBPC3 (5.1)	FRMD5 (3.6)	PDE3A (2.7)
0.89	>=0.20	CPNE2 (3.4)	FZD9 (2.9)	PPP1R1B (2.7)
0.89	>=0.20	CYP26A1 (4.2)	LRP4 (4.0)	ETV5 (3.5)
0.89	>=0.20	NUP160 (3.2)	PARD6A (2.5)	PPIP5K1 (2.5)
0.89	>=0.20	ARID1A (3.3)	TBKBP1 (3.2)	PLA2G6 (2.6)
0.89	>=0.20	NCOA5 (2.6)	BUD13 (2.2)	CCNDBP1 (2.1)
0.89	>=0.20	HERPUD1 (5.8)	SDF2L1 (4.6)	PDIA3 (3.4)
0.89	>=0.20	ZNF259 (4.5)	TOMM40 (4.0)	EIF3J (3.6)
0.89	>=0.20	PARD6A (2.7)	PSMB10 (2.5)	ZNF408 (2.4)
0.89	>=0.20	ZNF259 (4.5)	TOMM40 (3.5)	PRMT7 (3.2)
0.89	>=0.20	RSPO3 (2.6)	DGKG (2.3)	TTBK2 (2.1)
0.89	>=0.20	C17orf105 (5.0)	DPEP3 (3.8)	BCAM (2.0)
0.89	>=0.20	LILRA3 (3.7)	PSMB10 (3.2)	LILRB2 (2.6)
0.89	>=0.20	ZSCAN29 (3.4)	EIF3J (2.9)	ZNF614 (2.5)
0.89	>=0.20	TGM7 (3.9)	OR4A1P (2.2)	ENSG00000181296 (2
0.89	>=0.20	APOA4 (3.5)	CELSR2 (3.3)	ZFAND2A (3.0)
0.9	>=0.20	NRBF2 (3.3)	JMJD1C (3.0)	CKAP5 (2.6)
0.9	>=0.20	TAGLN (3.6)	MYO1H (3.5)	KCTD10 (3.2)
0.9	>=0.20	COX19 (3.5)	OR5L2 (2.9)	NDUFS3 (2.8)
0.9	>=0.20	DDB2 (3.7)	SDF2L1 (3.4)	C18orf32 (2.8)
0.9	>=0.20	OASL (2.7)	BUD13 (2.6)	ENSG00000179523 (2
0.9	>=0.20	TGM7 (4.2)	FZD9 (3.9)	KLF14 (3.6)
0.9	>=0.20	OR5J2 (3.0)	DDB2 (2.3)	E2F4 (2.0)
0.9	>=0.20	NLRC5 (5.6)	PSMB10 (3.6)	TMEM208 (3.3)
0.9	>=0.20	TSNAXIP1 (6.2)	CCDC11 (5.0)	AGBL2 (4.6)
0.9	>=0.20	ZNF259 (4.6)	TOMM40 (3.6)	EIF3J (3.1)
0.9	>=0.20	TAGLN (5.5)	TCAP (3.1)	PSMB10 (2.7)
0.9	>=0.20	DDB2 (4.0)	SKA1 (3.0)	CENPT (3.0)
0.9	>=0.20	EIF3J (4.6)	ZNF259 (4.1)	TOMM40 (3.8)
0.9	>=0.20	C1QTNF4 (3.2)	MPP3 (2.7)	MAFF (2.6)
0.9	>=0.20	NDUFS3 (4.4)	COQ9 (4.2)	CIAPIN1 (3.6)
0.9	>=0.20	CCNDBP1 (4.2)	UBR1 (3.7)	EIF3J (3.6)
0.9	>=0.20	ENSG00000229043 (3	NUTF2 (3.4)	ZFAND2A (3.0)
0.9	>=0.20	KIAA0754 (2.8)	ENSG00000247445 (2	ZDHHC18 (2.4)
0.9	>=0.20	UBE2L3 (3.7)	C18orf32 (3.4)	MIEN1 (3.2)
0.9	>=0.20	TMEM62 (4.0)	CES4A (3.8)	CTRL (3.2)
0.9	>=0.20	BCL7B (3.1)	C11orf9 (3.0)	PCSK7 (2.9)
0.9	>=0.20	SPRYD5 (3.9)	SPI1 (3.4)	DPEP2 (3.2)
0.9	>=0.20	TMEM62 (3.5)	DYM (3.2)	JMJD1C (2.8)
0.9	>=0.20	ATG13 (5.3)	C16orf70 (4.7)	FBXL20 (3.6)
0.9	>=0.20	MYO5B (3.8)	RLTPR (2.4)	KCTD10 (2.2)
0.9	>=0.20	CENPT (2.7)	CKAP5 (2.5)	ZNF335 (2.5)
0.9	>=0.20	PLTP (3.4)	GPAM (2.4)	PLEKHG4 (2.2)
0.9	>=0.20	RSPO3 (3.2)	CITED2 (3.1)	KLF14 (2.8)
0.9	>=0.20	NUTF2 (3.4)	ENSG00000229043 (3	PSMC3 (3.0)
0.9	>=0.20	NUTF2 (3.4)	ENSG00000229043 (3	PSMC3 (3.0)
0.9	>=0.20	MAP1A (3.4)	TTC39B (2.4)	MACF1 (2.2)
0.9	>=0.20	NLRC5 (7.6)	PSMB10 (3.7)	APOE (2.3)

0.9	>=0.20	TAGLN (5.2)	TCAP (3.1)	PSMB10 (2.7)
0.9	>=0.20	EPB42 (5.4)	PTPMT1 (3.5)	COQ9 (3.5)
0.9	>=0.20	SNORD58C (3.9)	NUTF2 (3.1)	ZNF259 (2.8)
0.9	>=0.20	PNMT (4.7)	KLF14 (3.1)	MPP3 (3.1)
0.9	>=0.20	SNORD58C (2.7)	HNF1A (2.3)	TMED5 (2.0)
0.9	>=0.20	CCDC18 (4.5)	CASC4 (3.6)	TMEM175 (3.6)
0.9	>=0.20	DYM (3.9)	C18orf32 (3.3)	SNORD58C (3.0)
0.9	>=0.20	C17orf105 (2.7)	ENSG00000247867 (2	SNORD58C (2.5)
0.9	>=0.20	OR5L2 (2.9)	SMPD3 (2.6)	PITPNM2 (2.4)
0.9	>=0.20	CCL22 (3.4)	RELB (3.3)	CCL17 (3.2)
0.9	>=0.20	DGKG (4.4)	CX3CL1 (4.0)	NEUROD2 (3.6)
0.9	>=0.20	GFOD2 (3.6)	MST1R (3.4)	LRP4 (2.9)
0.9	>=0.20	WDR76 (6.8)	FEN1 (6.7)	SKA1 (3.9)
0.9	>=0.20	C12orf43 (3.9)	GPN2 (3.3)	ZNF259 (2.6)
0.9	>=0.20	PDIA3 (3.0)	PAFAH1B2 (2.3)	PSMB10 (2.2)
0.9	>=0.20	SBNO1 (3.2)	NPEPPS (2.9)	PDIA3 (2.9)
0.9	>=0.20	ZNF259 (3.8)	TOMM40 (3.2)	C12orf43 (3.0)
0.9	>=0.20	C18orf32 (3.4)	OR5L2 (3.1)	MIEN1 (2.9)
0.9	>=0.20	SOST (4.4)	PPP1R1B (4.2)	LRP4 (3.5)
0.9	>=0.20	BMP8A (2.9)	TMEM62 (2.5)	LRRC29 (2.5)
0.9	>=0.20	ZNF259 (4.6)	TOMM40 (3.5)	PRMT7 (3.5)
0.9	>=0.20	NLRC5 (5.7)	PSMB10 (3.5)	ENSG00000229043 (3
0.9	>=0.20	KPNB1 (2.7)	PLA2G6 (2.4)	SNORD58C (2.3)
0.9	>=0.20	MAP1A (3.8)	MPP2 (3.2)	GNAO1 (2.6)
0.9	>=0.20	TECTB (4.9)	STRC (3.9)	NR0B2 (3.1)
0.9	>=0.20	ATG13 (3.3)	ZFAND2A (3.1)	ENSG00000229043 (3
0.9	>=0.20	MAP1A (3.5)	SNX10 (2.6)	MT1M (2.5)
0.9	>=0.20	SFN (4.4)	C1orf172 (4.3)	ESRP2 (3.9)
0.9	>=0.20	CCDC18 (3.8)	CKAP5 (3.0)	CENPT (2.9)
0.9	>=0.20	C18orf32 (4.6)	SDF2L1 (3.8)	TMED5 (2.7)
0.9	>=0.20	SPI1 (4.3)	RLTPR (3.7)	LILRB2 (2.5)
0.9	>=0.20	CES4A (4.8)	REEP3 (3.2)	PIGV (2.8)
0.9	>=0.20	ENSG00000226334 (2	GALNT2 (2.4)	C11orf9 (2.3)
0.9	>=0.20	CCNDBP1 (3.3)	RBM6 (2.9)	DCPS (2.5)
0.9	>=0.20	FEN1 (3.3)	SNORD58C (2.8)	SPG11 (2.7)
0.9	>=0.20	PTPRZ1 (3.1)	ENSG00000179523 (3	PAFAH1B2 (2.7)
0.9	>=0.20	ENSG00000181296 (3	MT1F (2.9)	OR5L2 (2.8)
0.9	>=0.20	OGFOD1 (3.6)	HERPUD1 (3.3)	PSMC3 (3.2)
0.9	>=0.20	TGM5 (2.5)	SIDT2 (2.4)	SFN (2.2)
0.9	>=0.20	TAGLN (4.8)	ARHGAP1 (3.4)	TCAP (3.0)
0.9	>=0.20	TAGLN (4.6)	SFN (3.7)	KCTD10 (2.9)
0.9	>=0.20	NUTF2 (2.9)	FADS2 (2.8)	LSM12 (2.6)
0.9	>=0.20	CCDC18 (6.2)	MPHOSPH9 (4.6)	CKAP5 (4.0)
0.9	>=0.20	KIAA0754 (3.4)	CATSPER2 (3.1)	STRC (2.1)
0.9	>=0.20	CCDC11 (3.6)	KLHL8 (3.0)	ENSG00000182109 (3
0.9	>=0.20	CYP26A1 (2.6)	C11orf9 (2.6)	RSPO3 (2.5)
0.9	>=0.20	LILRB2 (3.0)	SPI1 (2.8)	CPNE2 (2.7)
0.9	>=0.20	ENSG00000182109 (2	C11orf9 (2.4)	CPNE2 (2.2)
0.9	>=0.20	MED1 (4.1)	RNF214 (4.1)	BCL7B (3.7)
0.9	>=0.20	ETV5 (3.6)	RNF214 (2.2)	KCTD6 (2.2)

0.9	>=0.20	PAFAH1B2 (3.6)	TCAP (2.8)	LSM12 (2.4)
0.9	>=0.20	COQ9 (3.3)	ACAA2 (3.0)	OGFOD1 (2.5)
0.9	>=0.20	SLC7A6OS (2.6)	LRRC29 (2.4)	PAFAH1B2 (2.4)
0.9	>=0.20	DPEP3 (3.1)	SPRYD5 (3.0)	ZNF350 (3.0)
0.9	>=0.20	SETD8 (2.6)	LRRC29 (2.5)	C16orf48 (2.5)
0.9	>=0.20	NDUFS3 (3.9)	PTPMT1 (3.6)	DCPS (3.4)
0.9	>=0.20	OR4A21P (3.0)	LILRA3 (2.9)	LILRB2 (2.8)
0.9	>=0.20	MAP1A (3.7)	MPP2 (3.3)	TRNP1 (2.8)
0.9	>=0.20	SNORD58C (3.7)	NUTF2 (3.2)	ZNF259 (3.1)
0.9	>=0.20	NCOA5 (3.2)	RBM6 (3.1)	RAB11B (2.6)
0.9	>=0.20	RAPSN (3.2)	SLC12A3 (3.0)	PPY (2.4)
0.9	>=0.20	COX19 (3.9)	NDUFS3 (3.1)	ENSG00000226334 (2
0.9	>=0.20	ETV5 (4.1)	KLHL8 (2.7)	PITPNM2 (2.4)
0.9	>=0.20	DEPDC1 (5.8)	SKA1 (5.5)	CCDC18 (5.5)
0.9	>=0.20	DEPDC1 (5.8)	SKA1 (5.5)	CCDC18 (5.5)
0.9	>=0.20	THAP11 (4.3)	PARD6A (3.5)	FAM192A (3.4)
0.9	>=0.20	CCDC18 (6.3)	MPHOSPH9 (4.6)	CKAP5 (4.0)
0.9	>=0.20	SNORD58C (2.5)	HNF1A (2.4)	TMED5 (2.1)
0.9	>=0.20	NDUFS3 (6.1)	PDHB (5.3)	COQ9 (4.3)
0.9	>=0.20	SNORD58C (4.0)	ENSG00000226334 (2	NUTF2 (2.0)
0.9	>=0.20	C17orf105 (3.2)	ENSG00000255507 (2	KCTD19 (2.2)
0.9	>=0.20	DOCK6 (3.8)	GPIHBP1 (3.3)	KCTD10 (3.1)
0.9	>=0.20	NEUROD2 (6.2)	OR4A21P (3.6)	MPP3 (2.8)
0.9	>=0.20	CCDC18 (3.6)	TMEM175 (3.5)	CASC4 (3.2)
0.9	>=0.20	ATG13 (3.3)	RANBP10 (3.0)	ENSG00000223745 (3
0.9	>=0.20	DOK4 (3.1)	CSGALNACT1 (2.8)	CYP26A1 (2.5)
0.9	>=0.20	NCOA5 (2.6)	RBM6 (2.6)	CENPT (2.4)
0.9	>=0.20	BUD13 (3.4)	BAZ1B (3.0)	MED1 (2.8)
0.9	>=0.20	KCTD19 (3.4)	ENSG00000181123 (3	SPRYD5 (2.7)
0.9	>=0.20	LRP4 (3.7)	SMPD3 (3.2)	ST3GAL4 (2.4)
0.9	>=0.20	ADAL (1.9)	MYO5B (1.9)	C11orf49 (1.8)
0.9	>=0.20	NCOA5 (3.7)	ARID1A (3.2)	RAB11B (3.2)
0.9	>=0.20	KCTD6 (3.2)	TNKS (2.8)	RBM5 (2.6)
0.91	>=0.20	MPHOSPH9 (2.3)	OR5I1 (2.3)	RLTPR (2.2)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	FEN1 (2.7)	SETD8 (2.6)	CENPT (2.6)
0.91	>=0.20	TAGLN (5.4)	KCTD10 (4.0)	KANK2 (3.3)
0.91	>=0.20	FEN1 (6.5)	WDR76 (6.4)	SKA1 (4.4)
0.91	>=0.20	OR4A1P (3.1)	RSPRY1 (2.8)	EXOC3L1 (2.7)
0.91	>=0.20	TECTB (3.6)	OR5L2 (2.5)	LILRB2 (2.4)
0.91	>=0.20	PRMT7 (2.8)	DNAH10 (2.7)	TSNAXIP1 (2.5)
0.91	>=0.20	GPER (2.9)	KIAA0895L (2.5)	MAP1A (2.5)
0.91	>=0.20	RLTPR (2.9)	ADAL (2.7)	TTC39B (2.6)

0.91 >=0.20	SPRYD5 (4.2)	TGM7 (3.3)	HARBI1 (2.9)
0.91 >=0.20	DOK4 (2.9)	ESRP2 (2.7)	ARHGAP1 (2.7)
0.91 >=0.20	ARHGAP1 (4.4)	TAGLN (4.2)	KIAA0754 (3.8)
0.91 >=0.20	DPEP2 (3.7)	SPRYD5 (3.7)	SPI1 (3.5)
0.91 >=0.20	TMEM62 (3.9)	COBLL1 (3.1)	ABCB9 (3.0)
0.91 >=0.20	HERPUD1 (5.9)	SDF2L1 (4.8)	ZFAND2A (4.0)
0.91 >=0.20	HERPUD1 (5.9)	SDF2L1 (4.8)	ZFAND2A (4.0)
0.91 >=0.20	YDJC (3.0)	G6PC3 (2.9)	VEGFA (2.3)
0.91 >=0.20	SOST (3.0)	MYBPC3 (2.8)	DNAH10 (2.8)
0.91 >=0.20	NDUFS3 (6.1)	PDHB (5.4)	COQ9 (4.9)
0.91 >=0.20	CCDC18 (3.9)	MPHOSPH9 (3.8)	WDR76 (3.3)
0.91 >=0.20	LSM12 (2.5)	SBNO1 (2.4)	ZNF408 (2.3)
0.91 >=0.20	SLC12A3 (4.7)	MPP3 (4.5)	OASL (4.1)
0.91 >=0.20	NCOA5 (3.9)	SIK3 (2.6)	RBM6 (2.5)
0.91 >=0.20	PDIA3 (3.1)	FADS1 (2.9)	G6PC3 (2.7)
0.91 >=0.20	C12orf43 (3.1)	GPN2 (2.8)	TMEM101 (2.7)
0.91 >=0.20	TAGLN (5.2)	TCAP (3.0)	PSMB10 (2.7)
0.91 >=0.20	NDUFS3 (5.8)	PDHB (5.5)	COQ9 (4.6)
0.91 >=0.20	RBM5 (3.4)	SPG11 (3.4)	BUD13 (3.2)
0.91 >=0.20	ENSG00000179523 (4	ADAL (4.5)	OR5I1 (3.6)
0.91 >=0.20	FPR3 (3.1)	CCDC116 (2.9)	ENSG00000226645 (2
0.91 >=0.20	FEN1 (5.2)	WDR76 (4.9)	MPHOSPH9 (4.1)
0.91 >=0.20	AMFR (4.1)	LSM12 (3.5)	NPEPPS (3.1)
0.91 >=0.20	CCDC18 (4.9)	PARD6A (4.0)	ABCB9 (3.1)
0.91 >=0.20	ENSG00000179523 (4	ADAL (3.4)	OR5I1 (3.4)
0.91 >=0.20	CYP26A1 (5.5)	SOST (4.2)	LRP4 (3.1)
0.91 >=0.20	NEUROD2 (4.8)	PTPRZ1 (3.2)	CELSR2 (3.2)
0.91 >=0.20	OASL (11.7)	PRMT7 (2.6)	NUP160 (2.5)
0.91 >=0.20	OASL (11.7)	PRMT7 (2.6)	NUP160 (2.5)
0.91 >=0.20	TCAP (8.9)	RAPSN (5.3)	PACSIN3 (4.2)
0.91 >=0.20	SLC12A3 (2.9)	MTF2 (2.8)	IGF2R (2.6)
0.91 >=0.20	WDR76 (5.2)	CTDSPL2 (3.5)	REEP3 (3.1)
0.91 >=0.20	CETP (2.5)	SCARB1 (2.4)	C16orf86 (2.4)
0.91 >=0.20	GPER (3.0)	GLUL (2.5)	MADD (2.5)
0.91 >=0.20	MTCH2 (4.5)	NDUFS3 (3.6)	PDHB (3.4)
0.91 >=0.20	PPP1R1B (3.0)	C11orf9 (2.9)	PTPRZ1 (2.8)
0.91 >=0.20	PPP1R1B (3.0)	C11orf9 (2.9)	PTPRZ1 (2.8)
0.91 >=0.20	CCDC11 (2.9)	TRPS1 (2.7)	OR4A1P (2.6)
0.91 >=0.20	CCNDBP1 (3.4)	SNORD58C (2.8)	OGFOD1 (2.7)
0.91 >=0.20	WDR76 (4.2)	BAZ1B (3.8)	FEN1 (3.4)
0.91 >=0.20	CCDC92 (2.8)	TAGLN (2.4)	CCL17 (2.3)
0.91 >=0.20	NDUFS3 (6.0)	PDHB (5.3)	COQ9 (4.6)
0.91 >=0.20	FADS1 (3.8)	MMAB (3.3)	MVK (3.2)
0.91 >=0.20	RSPO3 (3.2)	CYP26A1 (3.2)	CYP2W1 (2.8)
0.91 >=0.20	DEPDC1 (4.8)	SKA1 (4.6)	CKAP5 (3.4)
0.91 >=0.20	CYP26A1 (3.6)	KCTD6 (2.7)	ENSG00000247867 (2
0.91 >=0.20	ZNF259 (4.7)	TOMM40 (3.6)	SLC7A6OS (2.6)
0.91 >=0.20	ZFAND2A (6.0)	MBD1 (3.9)	SNORD58C (2.9)
0.91 >=0.20	NEUROD2 (3.4)	PYY (3.2)	PDE3A (3.1)
0.91 >=0.20	ZNF259 (4.3)	TOMM40 (3.8)	EIF3J (3.7)

0.91 >=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (4.9)
0.91 >=0.20	C11orf9 (4.8)	HNF4A (2.8)	KCTD10 (2.8)
0.91 >=0.20	OR5L2 (3.7)	INTS10 (3.3)	WDR76 (2.9)
0.91 >=0.20	NDUFS3 (6.0)	PDHB (5.6)	COQ9 (4.7)
0.91 >=0.20	RAPSN (4.3)	DOK4 (2.7)	MYBPC3 (2.4)
0.91 >=0.20	CDK12 (3.9)	PGAP3 (3.6)	NRBF2 (3.4)
0.91 >=0.20	DPEP2 (2.9)	PLTP (2.6)	FPR3 (2.2)
0.91 >=0.20	DPEP2 (2.9)	PLTP (2.6)	FPR3 (2.2)
0.91 >=0.20	WDR76 (6.4)	FEN1 (6.1)	DDB2 (4.1)
0.91 >=0.20	ENSG00000247445 (3	DOK4 (2.8)	ST3GAL4 (2.7)
0.91 >=0.20	CCDC18 (4.6)	CKAP5 (4.3)	MPHOSPH9 (3.7)
0.91 >=0.20	TCAP (4.0)	EIF3J (3.4)	PACSIN3 (2.8)
0.91 >=0.20	OGFOD1 (3.0)	SNORD58C (2.8)	DDX28 (2.7)
0.91 >=0.20	CMIP (3.5)	ARID1A (2.4)	SBNO1 (2.3)
0.91 >=0.20	SLC12A3 (5.2)	ABHD6 (3.1)	SLC9A5 (2.9)
0.91 >=0.20	TRNP1 (3.8)	CYP2W1 (3.8)	C17orf57 (3.6)
0.91 >=0.20	ZNF259 (4.6)	TOMM40 (3.9)	MED1 (2.9)
0.91 >=0.20	C7orf50 (3.5)	TOMM40 (3.1)	MYO1H (2.9)
0.91 >=0.20	BCL7B (5.4)	C12orf43 (3.3)	NCOA5 (3.2)
0.91 >=0.20	CPNE2 (3.1)	PTPRZ1 (3.0)	CELSR2 (2.8)
0.91 >=0.20	LRRC29 (3.1)	MYO1H (3.0)	STRC (2.3)
0.91 >=0.20	BCL7B (4.1)	PAFAH1B2 (3.5)	ENSG00000223745 (3
0.91 >=0.20	ENSG00000229043 (3	ZFAND2A (3.5)	NUTF2 (3.5)
0.91 >=0.20	ABHD6 (2.8)	KLF14 (2.8)	KIAA0754 (2.7)
0.91 >=0.20	RLTPR (3.4)	CCL22 (3.0)	PITPNM2 (3.0)
0.91 >=0.20	CENPT (3.4)	C18orf32 (2.7)	CKAP5 (2.7)
0.91 >=0.20	NRBF2 (3.4)	YDJC (3.4)	CATSPER2 (2.8)
0.91 >=0.20	RSPO3 (4.6)	ENSG00000247867 (2	C11orf49 (2.3)
0.91 >=0.20	TAGLN (3.2)	MACF1 (3.2)	CELF1 (2.9)
0.91 >=0.20	CELSR2 (2.8)	KCTD19 (2.2)	PTPRZ1 (2.1)
0.91 >=0.20	NOL3 (3.4)	SFN (3.1)	KCTD10 (3.0)
0.91 >=0.20	TCAP (6.7)	RAPSN (6.4)	PACSIN3 (4.9)
0.91 >=0.20	ZNF335 (2.5)	POLR2C (2.3)	HDAC5 (2.2)
0.91 >=0.20	WDR76 (6.8)	FEN1 (6.2)	DDB2 (4.7)
0.91 >=0.20	WDR76 (6.5)	FEN1 (6.0)	DDB2 (3.7)
0.91 >=0.20	FEN1 (4.3)	WDR76 (4.3)	DDB2 (4.1)
0.91 >=0.20	C12orf43 (2.7)	ZNF259 (2.6)	NUTF2 (2.6)
0.91 >=0.20	RELB (4.4)	KPNB1 (3.7)	HERPUD1 (3.1)
0.91 >=0.20	NEUROD2 (2.9)	FZD9 (2.5)	MT1M (2.5)
0.91 >=0.20	NUTF2 (2.7)	ZNF259 (2.6)	SNORD58C (2.6)
0.91 >=0.20	NEUROD2 (3.4)	C1QTNF4 (2.5)	C11orf49 (2.5)
0.91 >=0.20	LRP4 (3.0)	ESRP2 (2.8)	BACE1 (2.7)
0.91 >=0.20	RLTPR (3.2)	OR4A21P (2.6)	CCL22 (2.5)
0.91 >=0.20	RAPSN (4.7)	TCAP (4.4)	MYBPC3 (2.8)
0.91 >=0.20	DPEP3 (6.1)	PLEKHG4 (3.1)	SPG11 (2.5)
0.91 >=0.20	DPEP3 (6.1)	PLEKHG4 (3.1)	SPG11 (2.5)
0.91 >=0.20	MTF2 (3.9)	FEN1 (3.8)	BAZ1B (3.6)
0.91 >=0.20	MAFF (3.1)	C18orf32 (2.9)	TRIB1 (2.9)
0.91 >=0.20	NDUFS3 (5.9)	PDHB (5.7)	COQ9 (5.0)
0.91 >=0.20	SNORD58C (2.4)	HNF1A (2.3)	SDF2L1 (2.1)

0.91 >=0.20	PTPRJ (4.2)	TAGLN (3.0)	MACF1 (2.9)
0.91 >=0.20	NCOA5 (3.0)	PLEKHG4 (2.6)	RBM6 (2.6)
0.91 >=0.20	TRPS1 (3.6)	ETV5 (2.4)	OR5J2 (2.3)
0.91 >=0.20	SDF2L1 (6.7)	PDIA3 (6.1)	ZFAND2A (5.2)
0.91 >=0.20	GNAO1 (3.4)	MPP3 (2.7)	TECTB (2.3)
0.91 >=0.20	SDF2L1 (4.0)	TBL2 (3.6)	PCSK7 (3.4)
0.91 >=0.20	SDF2L1 (4.0)	TBL2 (3.6)	PCSK7 (3.4)
0.91 >=0.20	CCDC18 (3.6)	TMEM175 (3.4)	CASC4 (3.2)
0.91 >=0.20	FBXL20 (3.3)	SBNO1 (3.1)	MFAP1 (2.9)
0.92 >=0.20	PAFAH1B2 (3.2)	PDHB (2.7)	DR1 (2.3)
0.92 >=0.20	TBL2 (3.7)	G6PC3 (3.4)	TMEM101 (3.3)
0.92 >=0.20	PTPRZ1 (3.3)	CELSR2 (2.6)	SPRYD5 (2.4)
0.92 >=0.20	MAP1A (3.7)	MPP2 (3.2)	GNAO1 (2.6)
0.92 >=0.20	SNORD58C (3.2)	NUTF2 (2.7)	ZNF259 (2.5)
0.92 >=0.20	SNORD58C (3.2)	NUTF2 (2.7)	ZNF259 (2.5)
0.92 >=0.20	EPB42 (7.1)	RANBP10 (4.6)	CCNDBP1 (3.4)
0.92 >=0.20	NDUFS3 (6.5)	COQ9 (5.7)	PDHB (5.6)
0.92 >=0.20	TUBGCP4 (3.0)	HDAC5 (2.9)	ZDHHC18 (2.8)
0.92 >=0.20	UBE2L3 (3.0)	CPNE2 (2.7)	TAGLN (2.4)
0.92 >=0.20	TGM5 (2.7)	TAGLN (2.7)	IGF2R (2.2)
0.92 >=0.20	GNAO1 (4.1)	C1QTNF4 (3.4)	SMPD3 (2.9)
0.92 >=0.20	RANBP10 (4.1)	CCNDBP1 (3.8)	MTMR3 (3.0)
0.92 >=0.20	C12orf43 (3.2)	ZNF259 (2.8)	YDJC (2.7)
0.92 >=0.20	NDUFS3 (3.5)	PTPMT1 (3.4)	COX19 (3.4)
0.92 >=0.20	NDUFS3 (3.5)	PTPMT1 (3.4)	COX19 (3.4)
0.92 >=0.20	SPRYD5 (2.5)	PXK (2.3)	NUP93 (2.2)
0.92 >=0.20	CYP26A1 (3.4)	PLTP (3.2)	AMFR (2.5)
0.92 >=0.20	ENSG00000247445 (4	PNMT (3.3)	SCARB1 (3.0)
0.92 >=0.20	CKAP5 (3.8)	PSMC3 (3.1)	DEPDC1 (3.0)
0.92 >=0.20	CKAP5 (3.8)	PSMC3 (3.1)	DEPDC1 (3.0)
0.92 >=0.20	CYP2W1 (4.7)	GNAO1 (3.8)	TECTB (2.5)
0.92 >=0.20	TRNP1 (3.2)	PAFAH1B2 (2.5)	MYO1H (2.2)
0.92 >=0.20	WDR76 (5.9)	FEN1 (4.8)	CCDC18 (4.2)
0.92 >=0.20	WDR76 (5.9)	FEN1 (4.8)	CCDC18 (4.2)
0.92 >=0.20	MT1F (4.1)	MT1G (3.9)	MT1M (3.2)
0.92 >=0.20	TAGLN (3.4)	GPIHBP1 (2.7)	MACF1 (2.6)
0.92 >=0.20	EXOC3L1 (2.2)	COBLL1 (2.0)	CYP2W1 (1.9)
0.92 >=0.20	OR5I1 (2.7)	RSPO3 (2.5)	KLF14 (2.3)
0.92 >=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (5.1)
0.92 >=0.20	GPN2 (2.9)	FNBP4 (2.6)	NUP160 (2.6)
0.92 >=0.20	SETD8 (2.2)	KCTD6 (2.1)	GLUL (2.0)
0.92 >=0.20	NUTF2 (3.4)	ZFAND2A (3.3)	ENSG00000229043 (3
0.92 >=0.20	CCDC18 (3.6)	TMEM175 (3.5)	CASC4 (3.1)
0.92 >=0.20	SOST (4.9)	SMPD3 (2.8)	STRC (2.7)
0.92 >=0.20	TECTB (3.4)	MAFF (2.8)	PDE3A (2.7)
0.92 >=0.20	ETV5 (3.5)	CYP26A1 (2.8)	RSPO3 (2.5)
0.92 >=0.20	PAFAH1B2 (3.9)	DR1 (3.1)	TMEM101 (2.5)
0.92 >=0.20	NDUFS3 (3.5)	SLC12A3 (3.4)	PPIP5K1 (2.7)
0.92 >=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (4.9)
0.92 >=0.20	CYP26A1 (3.5)	SOST (2.5)	ENSG00000226334 (2

0.92	>=0.20	FPR3 (2.8)	RLTPR (2.6)	ENSG00000236267 (2
0.92	>=0.20	TOMM40 (3.1)	PDIA3 (2.8)	SNORD58C (2.5)
0.92	>=0.20	ENSG00000229043 (3	NUTF2 (3.1)	ZFAND2A (3.0)
0.92	>=0.20	MACF1 (4.6)	TAGLN (4.6)	ARHGAP1 (3.4)
0.92	>=0.20	CTRL (10.8)	PPY (10.5)	ABHD6 (2.2)
0.92	>=0.20	OR5I1 (3.6)	B3GNT9 (3.2)	CATSPER2 (3.1)
0.92	>=0.20	CCDC116 (3.7)	FRMD5 (2.8)	ENSG00000236267 (2
0.92	>=0.20	MAP1A (4.3)	MPP2 (3.5)	TRNP1 (2.6)
0.92	>=0.20	WDR76 (6.0)	CCDC18 (4.6)	FEN1 (4.2)
0.92	>=0.20	C17orf105 (5.2)	APOA1 (2.2)	CPS1 (2.1)
0.92	>=0.20	KCTD6 (2.4)	PLTP (2.3)	PLEKHG4 (2.2)
0.92	>=0.20	NEUROD2 (3.8)	GNAO1 (2.8)	RSPO3 (2.8)
0.92	>=0.20	ZNF259 (4.8)	PRMT7 (3.1)	TOMM40 (3.1)
0.92	>=0.20	PPIP5K1 (3.2)	MYO5B (2.9)	KLF14 (2.7)
0.92	>=0.20	C16orf86 (2.7)	CSGALNACT1 (2.5)	DNAH10 (2.2)
0.92	>=0.20	ENSG00000247445 (4	ZNF615 (3.1)	XKR8 (2.8)
0.92	>=0.20	C11orf49 (3.0)	ENSG00000247867 (2	CD40 (2.1)
0.92	>=0.20	PRMT7 (3.4)	DCPS (3.2)	NUP160 (3.1)
0.92	>=0.20	SNORD58C (4.1)	NUTF2 (3.0)	ENSG00000226334 (2
0.92	>=0.20	C1QTNF4 (3.2)	PLTP (2.8)	GNAO1 (2.4)
0.92	>=0.20	ADAL (4.3)	ENSG00000179523 (4	OR5I1 (3.5)
0.92	>=0.20	C1QTNF4 (2.7)	NAGS (2.7)	ACAA2 (2.4)
0.92	>=0.20	WDR76 (6.4)	FEN1 (6.2)	SKA1 (4.3)
0.92	>=0.20	C17orf105 (2.6)	ENSG00000247867 (2	SETD8 (2.4)
0.92	>=0.20	WDR76 (4.0)	C16orf48 (3.2)	CTDSPL2 (3.2)
0.92	>=0.20	LCMT2 (3.0)	KBTBD4 (2.7)	RBM5 (2.6)
0.92	>=0.20	EIF3J (3.2)	C12orf43 (3.1)	DYM (3.0)
0.92	>=0.20	OASL (4.4)	MACF1 (2.8)	LILRB2 (2.6)
0.92	>=0.20	NUP93 (3.5)	FEN1 (3.3)	WDR76 (2.8)
0.92	>=0.20	CD300LG (2.9)	AFF1 (2.8)	PPIP5K1 (2.7)
0.92	>=0.20	DEPDC1 (3.6)	CKAP5 (3.3)	SKA1 (2.7)
0.92	>=0.20	REEP3 (2.6)	TGM5 (2.4)	ENSG00000247867 (2
0.92	>=0.20	WDR76 (3.3)	RNF214 (3.1)	FBXL20 (2.9)
0.92	>=0.20	B3GNT9 (2.9)	XKR8 (2.6)	SLC39A13 (2.5)
0.92	>=0.20	KLHL8 (3.5)	DPEP3 (3.5)	CELF1 (3.0)
0.92	>=0.20	C12orf43 (3.7)	ZNF259 (3.0)	YDJC (2.8)
0.92	>=0.20	TCAP (7.0)	MYBPC3 (6.3)	PACSIN3 (4.2)
0.92	>=0.20	LCMT2 (3.7)	C7orf50 (3.0)	DDX28 (3.0)
0.92	>=0.20	BCL3 (4.5)	RELB (3.6)	PGS1 (3.2)
0.92	>=0.20	DPEP3 (3.8)	PRMT7 (2.7)	MTF2 (2.7)
0.92	>=0.20	WDR76 (4.4)	C16orf48 (3.9)	PPIP5K1 (3.9)
0.92	>=0.20	MPP3 (3.5)	NEUROD2 (2.9)	CATSPER2 (2.7)
0.92	>=0.20	NDUFS3 (6.0)	PDHB (5.2)	COQ9 (4.5)
0.92	>=0.20	ENSG00000182109 (3	KIAA0754 (3.6)	MTF2 (3.1)
0.92	>=0.20	NDUFS3 (5.3)	PDHB (5.0)	COQ9 (4.9)
0.92	>=0.20	NCOA5 (2.6)	LCMT2 (2.4)	UBE2L3 (2.3)
0.92	>=0.20	ZNF259 (4.6)	PRMT7 (3.1)	TOMM40 (3.0)
0.92	>=0.20	TECTB (4.2)	SLC12A3 (3.0)	SOST (3.0)
0.92	>=0.20	SLC12A3 (5.1)	PXK (2.9)	AMFR (2.6)
0.92	>=0.20	KPNB1 (3.2)	TOMM40 (2.6)	CITED2 (2.5)

0.92	>=0.20	GPN2 (4.0)	ZNF259 (3.8)	SNORD58C (3.3)
0.92	>=0.20	SLC12A4 (3.1)	BACE1 (2.8)	ST3GAL4 (2.6)
0.92	>=0.20	B3GNT9 (4.3)	ENSG00000247867 (3	C17orf57 (2.8)
0.92	>=0.20	BBS2 (2.8)	FRMD5 (2.6)	ENSG00000254235 (2
0.92	>=0.20	ZNF614 (3.3)	SIK3 (3.2)	NCOA5 (2.9)
0.92	>=0.20	BBS2 (3.2)	OASL (3.1)	SLC7A6OS (2.7)
0.92	>=0.20	C1QTNF4 (2.6)	BACE1 (2.4)	DR1 (2.2)
0.92	>=0.20	ZNF615 (2.7)	TSNAXIP1 (2.6)	OR5I1 (2.5)
0.92	>=0.20	ENSG00000226334 (2	C16orf86 (2.6)	ENSG00000223745 (2
0.92	>=0.20	FEN1 (6.4)	WDR76 (5.6)	SKA1 (5.5)
0.92	>=0.20	ZNF614 (3.9)	LCMT2 (2.9)	TOMM40 (2.8)
0.92	>=0.20	OR5L2 (3.2)	MYBPC3 (3.2)	PSMB10 (2.6)
0.92	>=0.20	WDR76 (6.3)	FEN1 (6.0)	CTDSPL2 (4.2)
0.92	>=0.20	OASL (7.2)	DNAH10 (3.6)	CES4A (2.8)
0.92	>=0.20	OASL (7.2)	DNAH10 (3.6)	CES4A (2.8)
0.92	>=0.20	SNORD58C (2.4)	HNF1A (2.3)	SDF2L1 (2.1)
0.92	>=0.20	MAP1A (5.2)	GNAO1 (4.5)	MPP2 (4.5)
0.92	>=0.20	MT1M (3.3)	PPP1R1B (3.1)	MT1X (2.8)
0.92	>=0.20	CCDC116 (3.3)	ZDHHC18 (2.9)	CCL22 (2.8)
0.92	>=0.20	CCDC116 (3.3)	ZDHHC18 (2.9)	CCL22 (2.8)
0.92	>=0.20	C16orf70 (3.8)	CCNDBP1 (3.4)	PPY (3.2)
0.92	>=0.20	DCPS (2.6)	BAZ1B (2.5)	MED1 (2.4)
0.92	>=0.20	DCPS (2.6)	BAZ1B (2.5)	MED1 (2.4)
0.92	>=0.20	ZNF259 (5.2)	TOMM40 (4.0)	EIF3J (3.2)
0.92	>=0.20	MPHOSPH9 (3.6)	DDB2 (3.4)	CCDC18 (3.0)
0.92	>=0.20	MPP2 (3.5)	PITPNM2 (3.3)	PPP1R1B (3.1)
0.92	>=0.20	NEUROD2 (3.5)	KLF14 (3.2)	OR5I1 (2.7)
0.93	>=0.20	NUDT21 (4.9)	CIAPIN1 (4.8)	SLC7A6 (4.2)
0.93	>=0.20	ENSG00000226334 (3	SNORD58C (2.9)	FNBP4 (2.6)
0.93	>=0.20	ENSG00000226334 (3	SNORD58C (2.9)	FNBP4 (2.6)
0.93	>=0.20	ARID1A (3.5)	MED1 (2.9)	CBFB (2.8)
0.93	>=0.20	TGM7 (3.3)	ENSG00000181296 (2	ENSG00000254235 (1
0.93	>=0.20	NRBF2 (3.4)	UBE2L3 (3.3)	MON1A (2.9)
0.93	>=0.20	PARD6A (3.2)	C11orf49 (3.2)	MPP2 (2.9)
0.93	>=0.20	SPI1 (3.8)	DPEP2 (3.6)	LILRB2 (3.0)
0.93	>=0.20	ZFAND2A (3.8)	CD300LG (3.0)	RAB11B (2.9)
0.93	>=0.20	PDE3A (3.1)	TBKBP1 (2.8)	GNAO1 (2.7)
0.93	>=0.20	PDE3A (3.1)	TBKBP1 (2.8)	GNAO1 (2.7)
0.93	>=0.20	MAP1A (2.8)	CELF1 (2.6)	CASC4 (2.6)
0.93	>=0.20	TECTB (4.6)	PPP1R1B (3.1)	LRP4 (2.7)
0.93	>=0.20	NCOA5 (3.4)	UBE2L3 (2.4)	RAB11B (2.1)
0.93	>=0.20	FEN1 (5.6)	WDR76 (5.2)	SKA1 (3.8)
0.93	>=0.20	GPN2 (3.3)	DCPS (3.0)	TOMM40 (3.0)
0.93	>=0.20	WDR76 (6.1)	FEN1 (5.7)	CTDSPL2 (4.7)
0.93	>=0.20	LRRC29 (2.9)	C16orf48 (2.6)	B3GNT9 (2.5)
0.93	>=0.20	NAGS (2.7)	ENSG00000255507 (2	ACAA2 (2.3)
0.93	>=0.20	EPB42 (3.9)	KIAA0754 (3.5)	MACF1 (3.0)
0.93	>=0.20	HNF1A (3.7)	C1orf172 (2.7)	PYY (2.6)
0.93	>=0.20	ZNF614 (3.0)	RLTPR (2.7)	KIAA0754 (2.4)
0.93	>=0.20	ZNF614 (3.0)	RLTPR (2.7)	KIAA0754 (2.4)

0.93	>=0.20	ZNF614 (3.0)	RLTPR (2.7)	KIAA0754 (2.4)
0.93	>=0.20	TOMM40 (3.1)	C12orf43 (2.8)	LSM12 (2.8)
0.93	>=0.20	CENPT (3.3)	CCDC18 (2.8)	MPHOSPH9 (2.7)
0.93	>=0.20	CYP2W1 (3.5)	TBKBP1 (3.1)	RLTPR (2.9)
0.93	>=0.20	OR5L2 (3.8)	YDJC (2.8)	NUTF2 (2.7)
0.93	>=0.20	LRP4 (3.5)	TRPS1 (2.8)	PTPRZ1 (2.7)
0.93	>=0.20	SETD8 (2.6)	DDB2 (2.5)	KLHL8 (1.9)
0.93	>=0.20	ZNF335 (4.3)	HDAC5 (3.0)	CXXC1 (2.9)
0.93	>=0.20	ZNF335 (4.3)	HDAC5 (3.0)	CXXC1 (2.9)
0.93	>=0.20	APOA4 (4.2)	CETP (3.0)	PYY (2.7)
0.93	>=0.20	ENSG00000179523 (4	OR5I1 (3.9)	ADAL (3.8)
0.93	>=0.20	TECTB (3.5)	MAP1A (3.2)	PTPRZ1 (2.4)
0.93	>=0.20	ZNF350 (2.4)	ENSG00000182109 (2	COX19 (2.3)
0.93	>=0.20	GPN2 (3.5)	SLC7A6OS (3.0)	CCDC116 (2.9)
0.93	>=0.20	OASL (3.3)	MPP3 (3.0)	DGKG (2.9)
0.93	>=0.20	SNORD58C (3.4)	MBD1 (3.0)	SPRYD5 (2.5)
0.93	>=0.20	TAGLN (3.9)	TCAP (3.9)	KCTD10 (3.7)
0.93	>=0.20	ZNF259 (4.7)	TOMM40 (3.6)	EIF3J (3.0)
0.93	>=0.20	MYO5B (3.7)	LRP4 (3.3)	DGKG (3.2)
0.93	>=0.20	BCAM (2.9)	LIPG (2.6)	ABCA1 (2.6)
0.93	>=0.20	CPNE2 (2.6)	TGM7 (2.4)	SFN (2.3)
0.93	>=0.20	CCNDBP1 (4.1)	ARFGAP2 (4.1)	KBTBD4 (3.4)
0.93	>=0.20	CX3CL1 (3.6)	MYO5B (3.4)	PPP1R1B (3.0)
0.93	>=0.20	ENSG00000256746 (3	SPI1 (3.4)	DPEP2 (3.0)
0.93	>=0.20	FEN1 (7.1)	WDR76 (7.0)	DDB2 (4.7)
0.93	>=0.20	FZD9 (3.7)	RSPO3 (3.6)	NFATC3 (2.5)
0.93	>=0.20	DDB2 (4.2)	INTS10 (2.5)	C16orf48 (2.4)
0.93	>=0.20	MYBPC3 (5.5)	PDE3A (4.5)	RAPSN (3.4)
0.93	>=0.20	CCNDBP1 (2.8)	SLC12A3 (2.7)	MT1M (2.6)
0.93	>=0.20	SLC7A6 (2.3)	TMEM101 (2.2)	C16orf86 (2.0)
0.93	>=0.20	CCDC11 (3.8)	MYO5B (2.7)	AGBL2 (2.7)
0.93	>=0.20	ENSG00000256746 (2	CELF1 (2.8)	C1QTNF4 (2.7)
0.93	>=0.20	MAP1A (4.0)	MPP2 (3.4)	TRNP1 (2.6)
0.93	>=0.20	ENSG00000179523 (4	OR5I1 (3.7)	ADAL (3.4)
0.93	>=0.20	GPER (3.1)	ENSG00000247867 (3	EXOC3L1 (3.0)
0.93	>=0.20	DYM (4.1)	HERPUD1 (4.0)	ADAL (3.1)
0.93	>=0.20	ETV5 (3.3)	SEC14L4 (2.9)	C11orf9 (2.7)
0.93	>=0.20	MPHOSPH9 (3.4)	DDB2 (3.3)	CCDC18 (3.0)
0.93	>=0.20	MT1F (4.5)	MT1G (4.1)	MT1M (4.0)
0.93	>=0.20	PIGV (3.6)	G6PC3 (3.2)	TBL2 (3.1)
0.93	>=0.20	NDUFS3 (6.1)	PDHB (5.4)	COQ9 (4.9)
0.93	>=0.20	NDUFS3 (6.1)	PDHB (5.4)	COQ9 (4.9)
0.93	>=0.20	NUP160 (3.7)	LCMT2 (3.6)	DDX28 (3.4)
0.93	>=0.20	NUP160 (3.7)	LCMT2 (3.6)	DDX28 (3.4)
0.93	>=0.20	NDUFS3 (5.5)	PDHB (4.5)	MTCH2 (3.1)
0.93	>=0.20	DDB2 (4.3)	MED1 (3.8)	RAPSN (3.7)
0.93	>=0.20	DOK4 (3.2)	TAGLN (3.0)	DOCK6 (2.9)
0.93	>=0.20	CMIP (3.5)	GPIHBP1 (3.0)	PYY (2.6)
0.93	>=0.20	UBE2L3 (2.6)	NUTF2 (2.4)	C12orf43 (2.4)
0.93	>=0.20	ZNF259 (3.4)	GPN2 (3.3)	THAP11 (3.2)

0.93	>=0.20	ZNF259 (3.4)	GPN2 (3.3)	THAP11 (3.2)
0.93	>=0.20	MPP2 (3.4)	MPP3 (3.1)	DGKG (2.9)
0.93	>=0.20	BBS2 (4.4)	C16orf48 (3.5)	C11orf49 (3.4)
0.93	>=0.20	TGM7 (5.0)	HARBI1 (2.8)	ENSG00000236267 (2
0.93	>=0.20	TRPS1 (3.3)	ADAL (3.1)	KCTD6 (3.0)
0.93	>=0.20	PYY (2.1)	TGM7 (1.9)	MADD (1.8)
0.93	>=0.20	SMPD3 (3.4)	GNAO1 (3.3)	PDIA3 (2.8)
0.93	>=0.20	DCPS (3.8)	PAFAH1B2 (3.5)	BCL7B (3.4)
0.93	>=0.20	MAP1A (3.5)	MYBPC3 (3.4)	GPIHBP1 (3.4)
0.93	>=0.20	EIF3J (4.1)	ZNF259 (3.6)	TOMM40 (3.3)
0.93	>=0.20	TCAP (5.1)	PACSIN3 (3.9)	C1orf172 (2.7)
0.93	>=0.20	LRP4 (4.6)	TRPS1 (4.5)	SMPD3 (3.1)
0.93	>=0.20	C11orf9 (3.6)	ENSG00000256746 (3	CYP2W1 (3.3)
0.93	>=0.20	CCNDBP1 (4.4)	ARFGAP2 (3.7)	KBTBD4 (3.4)
0.93	>=0.20	KLF14 (2.4)	KIAA0754 (2.3)	C16orf70 (2.1)
0.93	>=0.20	NEUROD2 (6.0)	DGKG (3.2)	ABHD6 (2.8)
0.93	>=0.20	PDIA3 (6.6)	SDF2L1 (6.1)	HERPUD1 (3.5)
0.93	>=0.20	BCL7B (4.7)	C12orf43 (2.9)	CXXC1 (2.8)
0.93	>=0.20	YDJC (3.8)	LPA (2.6)	LRRC29 (2.4)
0.93	>=0.20	GPN2 (4.0)	C12orf43 (3.4)	ZNF259 (2.9)
0.93	>=0.20	WDR76 (7.1)	FEN1 (6.5)	SKA1 (4.6)
0.93	>=0.20	MAP1A (3.9)	MPP2 (3.3)	TRNP1 (2.6)
0.93	>=0.20	WDR76 (3.9)	C16orf48 (3.3)	FAM192A (3.2)
0.93	>=0.20	CCDC92 (3.5)	TRNP1 (2.7)	TCAP (2.5)
0.93	>=0.20	BBS2 (3.0)	MACF1 (3.0)	EDC4 (2.9)
0.93	>=0.20	RBPJ (3.6)	CELF1 (3.5)	LSM12 (2.8)
0.93	>=0.20	UBE2L3 (3.0)	ENSG00000223745 (2	NRBF2 (2.0)
0.93	>=0.20	CCNDBP1 (2.4)	ZNF335 (2.3)	ADAL (2.1)
0.93	>=0.20	NEUROD2 (3.8)	C1QTNF4 (3.1)	ENSG00000256746 (2
0.93	>=0.20	KIAA0754 (3.1)	ZFAND2A (2.4)	NOL3 (2.3)
0.93	>=0.20	WDR76 (4.7)	FEN1 (4.1)	TUBGCP4 (3.3)
0.93	>=0.20	FEN1 (4.9)	WDR76 (4.8)	SKA1 (4.2)
0.93	>=0.20	EXOC3L1 (2.8)	KCTD19 (2.7)	DOK4 (2.4)
0.93	>=0.20	PTPRZ1 (3.9)	SFN (3.6)	CELSR2 (2.9)
0.93	>=0.20	TRNP1 (2.9)	CYP2W1 (2.7)	PAFAH1B2 (2.6)
0.93	>=0.20	ENSG00000229043 (3	TSNAXIP1 (3.1)	KCTD19 (2.9)
0.93	>=0.20	PDIA3 (5.4)	SDF2L1 (3.1)	KPNB1 (3.1)
0.93	>=0.20	CCDC18 (6.3)	MPHOSPH9 (4.6)	CKAP5 (4.0)
0.93	>=0.20	CCDC18 (6.3)	MPHOSPH9 (4.6)	CKAP5 (4.0)
0.93	>=0.20	SNORD58C (3.8)	NUTF2 (3.1)	ENSG00000226334 (2
0.93	>=0.20	NDUFS3 (6.1)	PDHB (5.6)	COQ9 (4.9)
0.93	>=0.20	RAB11B (3.6)	TTC39B (3.4)	GNAO1 (2.9)
0.93	>=0.20	ENSG00000247867 (3	SLC12A3 (3.1)	SOST (2.9)
0.93	>=0.20	FEN1 (5.1)	WDR76 (4.4)	C16orf48 (4.4)
0.93	>=0.20	MAP1A (3.9)	MPP2 (3.8)	RLTPR (2.8)
0.93	>=0.20	NEUROD2 (3.0)	MT1F (2.8)	CELSR2 (2.8)
0.93	>=0.20	MADD (4.1)	GNAO1 (4.1)	MPP2 (3.7)
0.93	>=0.20	FZD9 (2.4)	LIPG (2.4)	CELSR2 (2.3)
0.93	>=0.20	PIGV (3.1)	FADS1 (2.8)	CYP26A1 (2.5)
0.93	>=0.20	KLHL8 (3.7)	ZNF259 (3.5)	TOMM40 (3.4)

0.93	>=0.20	KLHL8 (3.7)	ZNF259 (3.5)	TOMM40 (3.4)
0.93	>=0.20	ENSG00000254235 (2	ENSG00000247867 (2	CES4A (2.7)
0.93	>=0.20	CCDC18 (4.8)	CKAP5 (4.2)	MPHOSPH9 (3.8)
0.93	>=0.20	EPB42 (3.1)	ENSG00000226334 (2	NUTF2 (2.5)
0.93	>=0.20	EPB42 (13.4)	RANBP10 (5.6)	SEC14L4 (3.1)
0.93	>=0.20	EYA3 (2.8)	OR5J2 (2.4)	TRPS1 (2.3)
0.93	>=0.20	OR5L2 (3.7)	PTPMT1 (2.5)	LCMT2 (2.3)
0.93	>=0.20	WDR76 (4.4)	FEN1 (4.0)	DDB2 (3.7)
0.93	>=0.20	KLF14 (3.0)	ENSG00000181296 (2	CD300LG (2.3)
0.93	>=0.20	CELF1 (2.8)	E2F4 (2.5)	NUP93 (2.4)
0.93	>=0.20	DNAH10 (3.6)	SOST (3.3)	C11orf9 (2.8)
0.93	>=0.20	GNAO1 (2.4)	PDE3A (2.4)	C16orf86 (2.1)
0.93	>=0.20	GNAO1 (2.4)	PDE3A (2.4)	C16orf86 (2.1)
0.93	>=0.20	GNAO1 (2.4)	PDE3A (2.4)	C16orf86 (2.1)
0.93	>=0.20	LRP4 (4.5)	TECTB (3.3)	TGM7 (3.0)
0.93	>=0.20	ZNF259 (4.2)	PRMT7 (3.6)	TOMM40 (3.2)
0.93	>=0.20	PPIP5K1 (2.8)	PGS1 (2.7)	PSMB10 (2.6)
0.94	>=0.20	NDUFS3 (6.1)	PDHB (5.5)	COQ9 (4.8)
0.94	>=0.20	FEN1 (6.1)	WDR76 (6.0)	SKA1 (3.9)
0.94	>=0.20	LRP4 (4.5)	CYP26A1 (2.6)	DOK4 (2.2)
0.94	>=0.20	RANBP10 (3.9)	MTMR3 (3.7)	CCNDBP1 (3.6)
0.94	>=0.20	PNMT (3.2)	STRC (2.9)	MPP2 (2.9)
0.94	>=0.20	C11orf9 (3.0)	ENSG00000236267 (2	ESRP2 (2.6)
0.94	>=0.20	ZNF259 (3.2)	EIF3J (3.2)	KPNB1 (2.8)
0.94	>=0.20	ST3GAL4 (3.9)	TMEM101 (3.3)	PSKH1 (3.2)
0.94	>=0.20	OASL (3.1)	ZNF615 (2.8)	PGS1 (2.8)
0.94	>=0.20	ETV5 (3.1)	DR1 (2.7)	PIGV (2.7)
0.94	>=0.20	RAPSN (5.8)	ABCA8 (3.0)	KANK2 (2.8)
0.94	>=0.20	HERPUD1 (3.8)	ZNF259 (3.3)	NUDT21 (3.2)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.5)	COQ9 (4.9)
0.94	>=0.20	RAPSN (6.5)	TCAP (3.8)	PACSIN3 (3.6)
0.94	>=0.20	CYP26A1 (3.6)	SOST (2.7)	RSPO3 (2.6)
0.94	>=0.20	SPI1 (4.7)	CELF1 (3.3)	ZDHHC18 (2.9)
0.94	>=0.20	PLEKHG4 (2.8)	TNKS (2.6)	DPEP3 (2.5)
0.94	>=0.20	MPP2 (3.6)	GNAO1 (3.3)	TTBK2 (3.1)
0.94	>=0.20	SLC12A3 (3.3)	SOST (3.0)	COBLL1 (2.9)
0.94	>=0.20	DNAH10 (2.8)	ENSG00000255507 (2	OR5J2 (2.2)
0.94	>=0.20	STRC (4.0)	ACP2 (2.9)	PLA2G15 (2.8)
0.94	>=0.20	NCOA5 (4.1)	CCNDBP1 (3.2)	BCL7B (2.9)
0.94	>=0.20	MAP1A (3.7)	C11orf9 (3.0)	TRNP1 (2.4)
0.94	>=0.20	YDJC (3.9)	ENSG00000247445 (3	NUTF2 (3.3)
0.94	>=0.20	MAP1A (3.5)	TRNP1 (3.0)	NEUROD2 (2.6)
0.94	>=0.20	ZNF259 (4.3)	EIF3J (3.7)	SLC7A6OS (3.1)
0.94	>=0.20	CYP26A1 (3.0)	BCAM (2.8)	RSPO3 (2.3)
0.94	>=0.20	ENSG00000229043 (3	COX19 (3.7)	KBTBD4 (3.2)
0.94	>=0.20	SLC12A3 (2.7)	KLF14 (2.6)	ENSG00000247445 (2
0.94	>=0.20	MAP1A (3.2)	CPNE2 (2.9)	SLC9A5 (2.8)
0.94	>=0.20	FEN1 (3.3)	SKA1 (2.9)	CENPT (2.6)
0.94	>=0.20	NLRC5 (4.1)	XKR8 (3.5)	DPEP3 (2.7)
0.94	>=0.20	DGKG (4.3)	GNAO1 (3.1)	PITPNM2 (2.7)

0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.9)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.9)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.9)
0.94	>=0.20	SNORD58C (3.4)	C12orf43 (2.7)	ZNF259 (2.6)
0.94	>=0.20	NCOA5 (3.0)	BUD13 (2.7)	BCL7B (2.6)
0.94	>=0.20	ZNF259 (3.5)	KLHL8 (3.4)	TOMM40 (3.4)
0.94	>=0.20	ZNF259 (4.2)	EIF3J (3.3)	TOMM40 (3.0)
0.94	>=0.20	ZNF259 (3.6)	SNORD58C (3.3)	KPNB1 (2.9)
0.94	>=0.20	TCAP (4.5)	CELF1 (3.3)	DOK4 (3.1)
0.94	>=0.20	MTF2 (2.9)	SPG11 (2.8)	BBS2 (2.5)
0.94	>=0.20	TP53BP1 (3.3)	SPG11 (2.6)	DYM (2.5)
0.94	>=0.20	MYBPC3 (5.6)	FRMD5 (3.9)	TCAP (3.3)
0.94	>=0.20	ZNF613 (1.4)	ENSG00000226645 (1	CCNDBP1 (1.3)
0.94	>=0.20	NDUFS3 (5.8)	COQ9 (5.5)	PDHB (5.5)
0.94	>=0.20	ENSG00000229043 (4	ZFAND2A (3.9)	TMEM208 (3.0)
0.94	>=0.20	C11orf9 (2.1)	ETV5 (1.9)	SCARB1 (1.9)
0.94	>=0.20	UBE3B (2.9)	NOL3 (2.8)	CENPT (2.8)
0.94	>=0.20	HERPUD1 (5.8)	SDF2L1 (4.8)	ZFAND2A (3.9)
0.94	>=0.20	MADD (3.2)	CTDSPL2 (2.4)	CATSPER2 (2.2)
0.94	>=0.20	MYO1H (3.8)	C12orf65 (3.1)	SIK3 (2.6)
0.94	>=0.20	HCAR1 (2.4)	KLF14 (2.4)	RLTPR (2.4)
0.94	>=0.20	BAZ1B (3.6)	CTDSPL2 (3.4)	KLHL8 (3.0)
0.94	>=0.20	ENSG00000256746 (3	SPI1 (3.0)	SPRYD5 (2.8)
0.94	>=0.20	OR5I1 (4.0)	RNF214 (2.6)	EXOC3L1 (2.4)
0.94	>=0.20	TRPS1 (4.3)	LRP4 (4.1)	TGM7 (3.8)
0.94	>=0.20	TRNP1 (3.4)	ENSG00000181123 (2	PCSK7 (2.6)
0.94	>=0.20	MST1R (4.0)	KCTD10 (3.7)	ARHGAP1 (3.6)
0.94	>=0.20	NEUROD2 (3.4)	PTPRZ1 (2.6)	CASC4 (2.5)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.4)	COQ9 (4.6)
0.94	>=0.20	TRPS1 (4.9)	RSPO3 (3.1)	PPP1R1B (2.4)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (4.9)
0.94	>=0.20	MAP1A (4.0)	MPP2 (3.4)	TRNP1 (2.4)
0.94	>=0.20	CYP26A1 (3.3)	APOE (2.7)	C1QTNF4 (2.6)
0.94	>=0.20	CD40 (2.3)	TECTB (2.2)	TTBK2 (2.1)
0.94	>=0.20	DOK4 (3.3)	ENSG00000256746 (3	GFOD2 (3.0)
0.94	>=0.20	NEUROD2 (4.0)	PYY (3.4)	PTPRZ1 (2.5)
0.94	>=0.20	PTPRZ1 (3.9)	GPER (3.0)	CCDC11 (2.1)
0.94	>=0.20	KCTD10 (3.2)	ARHGAP1 (2.6)	PVRL2 (2.2)
0.94	>=0.20	FEN1 (5.3)	WDR76 (4.5)	DDB2 (4.0)
0.94	>=0.20	DPEP3 (6.1)	PLEKHG4 (3.7)	CCDC18 (3.1)
0.94	>=0.20	FEN1 (4.9)	MPHOSPH9 (3.3)	WDR76 (3.0)
0.94	>=0.20	ZNF259 (3.9)	PRMT7 (3.8)	DUS2L (3.7)
0.94	>=0.20	ESRP2 (5.6)	ELMO3 (5.2)	C1orf172 (4.2)
0.94	>=0.20	LRRC29 (4.1)	C11orf49 (2.5)	FRMD5 (2.4)
0.94	>=0.20	BACE1 (3.9)	GNAO1 (3.8)	MPP2 (3.5)
0.94	>=0.20	MAP1A (4.0)	MPP2 (3.1)	TRNP1 (2.8)
0.94	>=0.20	KCTD10 (3.2)	ENSG00000226645 (3	DR1 (2.6)

0.94	>=0.20	RAPSN (3.8)	FZD9 (3.4)	PACSIN3 (3.3)
0.94	>=0.20	DOK4 (2.7)	MST1R (2.3)	OR4A1P (2.3)
0.94	>=0.20	C1QTNF4 (4.7)	GNAO1 (4.2)	MPP2 (2.9)
0.94	>=0.20	MTCH2 (2.8)	TNKS (2.8)	PSMC3 (2.7)
0.94	>=0.20	TGM5 (3.2)	ZNF613 (2.5)	SETD8 (2.2)
0.94	>=0.20	NEUROD2 (4.3)	GNAO1 (4.2)	C1QTNF4 (3.7)
0.94	>=0.20	BAZ1B (4.0)	WDR76 (3.6)	FEN1 (3.4)
0.94	>=0.20	C1orf172 (5.4)	BCAM (5.4)	GRB7 (4.6)
0.94	>=0.20	WDR76 (5.7)	SKA1 (4.5)	MTF2 (3.6)
0.94	>=0.20	SLC12A4 (5.2)	PTPRZ1 (4.7)	CYP26A1 (3.5)
0.94	>=0.20	PDE3A (3.2)	FPR3 (2.3)	LILRB2 (2.2)
0.94	>=0.20	GNAO1 (4.1)	C1QTNF4 (3.3)	MAP1A (3.2)
0.94	>=0.20	CCL22 (2.8)	CD40 (2.6)	CCL17 (2.4)
0.94	>=0.20	BCAM (3.4)	DOK4 (2.8)	DGKG (2.7)
0.94	>=0.20	RAPSN (8.4)	JMJD1C (3.9)	LRP4 (3.7)
0.94	>=0.20	RAPSN (8.4)	JMJD1C (3.9)	LRP4 (3.7)
0.94	>=0.20	RANBP10 (4.2)	CCNDBP1 (3.9)	MTMR3 (3.5)
0.94	>=0.20	CYP26A1 (3.3)	PTPRZ1 (3.0)	RSPO3 (3.0)
0.94	>=0.20	TCAP (3.2)	TTC39B (2.6)	CES4A (2.0)
0.94	>=0.20	PLA2G6 (3.4)	CATSPER2 (3.3)	C12orf43 (2.6)
0.94	>=0.20	SBNO1 (3.1)	NPEPPS (2.9)	NRBF2 (2.9)
0.94	>=0.20	MAP1A (3.2)	MPP2 (3.1)	C1QTNF4 (2.7)
0.94	>=0.20	TGM5 (3.9)	SFN (3.6)	ESRP2 (2.8)
0.94	>=0.20	ENSG00000182109 (3	GLUL (3.1)	LRRC29 (2.4)
0.94	>=0.20	MT1X (1.4)	ENSG00000226645 (1	CCNDBP1 (1.4)
0.94	>=0.20	ZNF335 (4.1)	HDAC5 (3.1)	KIAA0895L (2.6)
0.94	>=0.20	ZNF335 (4.1)	HDAC5 (3.1)	KIAA0895L (2.6)
0.94	>=0.20	PPP1R1B (2.6)	CCDC116 (2.3)	ABCA1 (2.2)
0.94	>=0.20	TMEM175 (3.3)	TMED5 (3.1)	IGF2R (3.0)
0.94	>=0.20	ENSG00000223745 (2	KIAA0754 (2.7)	C11orf9 (2.7)
0.94	>=0.20	NDUFS3 (6.2)	PDHB (5.6)	COQ9 (5.0)
0.94	>=0.20	CPNE2 (2.8)	NLRC5 (2.6)	DGKG (2.6)
0.94	>=0.20	MAP1A (3.8)	MPP2 (3.1)	SNX10 (2.5)
0.94	>=0.20	CCDC18 (4.9)	ENSG00000181296 (4	RNF214 (3.5)
0.94	>=0.20	ZNF259 (4.2)	NUP160 (2.3)	TOMM40 (2.2)
0.94	>=0.20	ZNF259 (4.2)	NUP160 (2.3)	TOMM40 (2.2)
0.94	>=0.20	EXOC3L1 (6.2)	DOCK6 (3.6)	ENSG00000255507 (3
0.94	>=0.20	FNBP4 (3.6)	HNF1A (3.3)	C1orf172 (3.0)
0.94	>=0.20	C11orf9 (2.9)	C1QTNF4 (2.4)	BACE1 (2.3)
0.94	>=0.20	RLTPR (2.8)	CBFB (2.7)	CXXC1 (2.5)
0.94	>=0.20	CMIP (3.4)	OR5J2 (3.2)	EYA3 (2.8)
0.94	>=0.20	OR5J2 (3.9)	NRBF2 (2.7)	ZNF350 (2.6)
0.94	>=0.20	MAP1A (3.9)	MPP2 (3.0)	TRNP1 (2.6)
0.94	>=0.20	TRPS1 (3.1)	TGM7 (3.1)	ENSG00000179523 (2
0.94	>=0.20	GPER (3.1)	TRNP1 (2.6)	PPIP5K1 (2.5)
0.94	>=0.20	REEP3 (2.8)	ATG13 (2.7)	KBTBD4 (2.7)
0.94	>=0.20	CCNDBP1 (4.3)	ARFGAP2 (3.8)	KBTBD4 (3.8)
0.94	>=0.20	MYBPC3 (4.2)	PDE3A (2.9)	HNF1A (2.7)
0.94	>=0.20	MYO5B (4.9)	MACF1 (3.1)	PVRL2 (2.5)
0.94	>=0.20	RBM6 (2.9)	NCOA5 (2.9)	CENPT (2.6)

0.94	>=0.20	B3GNT9 (3.1)	ENSG00000247867 (2	AGBL2 (2.3)
0.94	>=0.20	ZNF259 (5.1)	TOMM40 (3.9)	MED1 (2.8)
0.94	>=0.20	NEUROD2 (4.3)	MPP2 (3.2)	MADD (3.2)
0.94	>=0.20	MAP1A (2.9)	TTC39B (2.9)	PPIP5K1 (2.6)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.3)	COQ9 (4.8)
0.94	>=0.20	NDUFS3 (5.9)	PDHB (5.3)	COQ9 (4.8)
0.94	>=0.20	MAP1A (4.0)	MPP2 (3.5)	NEUROD2 (2.7)
0.94	>=0.20	TAGLN (4.1)	KCTD10 (3.9)	DOK4 (3.1)
0.94	>=0.20	MADD (4.2)	MPP2 (4.0)	MAP1A (3.9)
0.94	>=0.20	C16orf48 (4.2)	WDR76 (3.6)	ACD (3.0)
0.94	>=0.20	C16orf48 (4.2)	WDR76 (3.6)	ACD (3.0)
0.94	>=0.20	TRNP1 (3.7)	TECTB (3.1)	C17orf57 (2.6)
0.94	>=0.20	ABCA8 (2.7)	SEC14L4 (2.6)	ST3GAL4 (2.5)
0.94	>=0.20	WDR76 (4.2)	FEN1 (3.6)	DDB2 (3.4)
0.94	>=0.20	GRB7 (3.2)	ERBB2 (2.9)	RSPO3 (2.8)
0.94	>=0.20	ENSG00000247867 (2	ENSG00000179523 (2	CYP2W1 (2.5)
0.94	>=0.20	CXXC1 (4.0)	IGF2R (3.0)	HDAC5 (2.8)
0.94	>=0.20	SPI1 (3.0)	CCDC116 (2.5)	LRRC29 (2.5)
0.94	>=0.20	OASL (3.2)	BBS2 (2.9)	SLC7A6OS (2.5)
0.94	>=0.20	MACF1 (4.2)	KCTD10 (3.6)	TAGLN (3.5)
0.94	>=0.20	DR1 (3.7)	RSPRY1 (3.0)	SLC7A6OS (2.7)
0.94	>=0.20	WDR76 (6.0)	FEN1 (4.8)	DDB2 (4.7)
0.94	>=0.20	PDIA3 (3.3)	SDF2L1 (3.0)	NRBF2 (2.6)
0.94	>=0.20	NDUFS3 (5.8)	PDHB (5.2)	COQ9 (4.5)
0.94	>=0.20	RAPSN (5.1)	TCAP (2.5)	FZD9 (2.3)
0.94	>=0.20	BCL7B (3.1)	NCOA5 (3.1)	CCNDBP1 (2.8)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (4.8)
0.94	>=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (4.8)
0.94	>=0.20	MYO1H (3.0)	TGM7 (2.8)	CCDC18 (2.4)
0.94	>=0.20	TAGLN (4.5)	TCAP (3.6)	DUSP3 (3.1)
0.94	>=0.20	NDUFS3 (6.2)	PDHB (4.9)	COQ9 (4.7)
0.94	>=0.20	DYM (2.8)	DUS2L (2.7)	SLC9A5 (2.6)
0.94	>=0.20	ENSG00000181123 (2	TGM7 (2.5)	OR4A1P (2.4)
0.94	>=0.20	ZSCAN29 (4.7)	C7orf50 (4.2)	YDJC (3.9)
0.95	>=0.20	TRPS1 (4.6)	CYP26A1 (2.9)	TGM7 (2.7)
0.95	>=0.20	TTC39B (3.7)	C1QTNF4 (3.0)	PSMB10 (2.8)
0.95	>=0.20	CCDC18 (5.4)	MPHOSPH9 (4.0)	CASC4 (3.7)
0.95	>=0.20	RANBP10 (3.9)	PACSIN3 (3.2)	RNF214 (3.0)
0.95	>=0.20	RSPO3 (3.2)	ENSG00000247867 (2	CYP26A1 (2.6)
0.95	>=0.20	PDE3A (3.6)	FPR3 (2.7)	B3GNT9 (2.2)
0.95	>=0.20	OR5I1 (4.9)	ENSG00000226334 (4	PLEKHG4 (2.4)
0.95	>=0.20	OR5I1 (4.9)	ENSG00000226334 (4	PLEKHG4 (2.4)
0.95	>=0.20	CENPT (2.7)	NCOA5 (2.6)	MPHOSPH9 (2.6)
0.95	>=0.20	ENSG00000236267 (2	BACE1 (2.3)	NEUROD2 (2.1)
0.95	>=0.20	NDUFS3 (3.5)	PTPMT1 (3.5)	RBPJ (2.8)
0.95	>=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (5.0)
0.95	>=0.20	NLRC5 (3.8)	XKR8 (3.2)	ZNF614 (2.9)
0.95	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	TMEM208 (3.2)
0.95	>=0.20	PTPRZ1 (4.0)	CYP26A1 (2.8)	TRPS1 (2.6)
0.95	>=0.20	NDUFS3 (6.0)	PDHB (5.7)	COQ9 (4.9)

0.95 >=0.20	PGAP3 (2.8)	DYM (2.3)	GPN2 (2.1)
0.95 >=0.20	ZNF350 (3.3)	CATSPER2 (3.1)	C16orf86 (2.8)
0.95 >=0.20	TRPS1 (2.8)	RSPO3 (2.7)	KCTD19 (2.4)
0.95 >=0.20	FHOD1 (3.2)	MACF1 (2.7)	DOCK6 (2.6)
0.95 >=0.20	WDR76 (5.4)	FEN1 (4.0)	TUBGCP4 (3.7)
0.95 >=0.20	FEN1 (6.2)	WDR76 (6.0)	SKA1 (4.4)
0.95 >=0.20	MACF1 (3.3)	MYO5B (3.0)	PCSK7 (2.8)
0.95 >=0.20	MST1R (2.4)	OR4A21P (2.2)	KIAA0895L (2.1)
0.95 >=0.20	WDR76 (4.5)	C16orf48 (3.8)	CTDSPL2 (3.4)
0.95 >=0.20	MYBPC3 (5.5)	FRMD5 (3.9)	TCAP (3.3)
0.95 >=0.20	NDUFS3 (3.7)	COX19 (3.4)	ENSG00000255507 (2
0.95 >=0.20	NDUFS3 (3.7)	COX19 (3.4)	ENSG00000255507 (2
0.95 >=0.20	ZNF259 (4.9)	TOMM40 (3.6)	PRMT7 (3.5)
0.95 >=0.20	ZNF259 (4.9)	TOMM40 (3.6)	PRMT7 (3.5)
0.95 >=0.20	NDUFS3 (4.1)	AMBRA1 (3.6)	PTPMT1 (3.1)
0.95 >=0.20	SNORD58C (3.9)	NUTF2 (2.8)	ZNF259 (2.5)
0.95 >=0.20	GRB7 (4.7)	ETV5 (3.2)	PGAP3 (2.8)
0.95 >=0.20	ADAL (3.1)	ENSG00000179523 (2	SPRYD5 (2.5)
0.95 >=0.20	NEUROD2 (4.0)	DGKG (3.5)	PITPNM2 (2.8)
0.95 >=0.20	MAP1A (4.0)	MPP2 (3.5)	GNAO1 (2.5)
0.95 >=0.20	ZNF259 (4.6)	TOMM40 (3.4)	EIF3J (3.1)
0.95 >=0.20	ENSG00000256746 (4	ENSG00000229043 (2	ENSG00000181296 (2
0.95 >=0.20	PGAP3 (3.2)	C12orf43 (2.9)	CDK12 (2.8)
0.95 >=0.20	TCAP (4.7)	C1orf172 (4.0)	PVRL2 (4.0)
0.95 >=0.20	CCDC116 (4.0)	ZSCAN29 (3.6)	ENSG00000236267 (3
0.95 >=0.20	LRRC29 (3.8)	PDE3A (3.4)	SPRYD5 (3.2)
0.95 >=0.20	PTPRZ1 (5.7)	OASL (3.9)	FAM192A (3.7)
0.95 >=0.20	TRNP1 (3.4)	PCSK7 (3.3)	BCL7B (2.6)
0.95 >=0.20	CPNE2 (3.2)	NUTF2 (2.9)	LSM12 (2.7)
0.95 >=0.20	PGAP3 (5.4)	GRB7 (4.6)	CDK12 (3.6)
0.95 >=0.20	NDUFS3 (5.8)	PDHB (5.3)	COQ9 (5.0)
0.95 >=0.20	PAFAH1B2 (3.5)	TRNP1 (2.9)	CYP2W1 (2.7)
0.95 >=0.20	RSPO3 (4.5)	B3GNT9 (3.2)	KLF14 (2.4)
0.95 >=0.20	MAP1A (3.1)	TTBK2 (2.9)	ABCA8 (2.8)
0.95 >=0.20	NEUROD2 (3.1)	HDAC5 (3.1)	MPP2 (3.0)
0.95 >=0.20	UVRAG (3.6)	TMEM175 (2.7)	OR4A21P (2.5)
0.95 >=0.20	ENSG00000226334 (3	NUTF2 (3.0)	SNORD58C (2.7)
0.95 >=0.20	NUTF2 (3.1)	UBE2L3 (2.5)	SNORD58C (2.4)
0.95 >=0.20	ZSCAN29 (3.7)	MIEN1 (2.9)	SNX13 (2.5)
0.95 >=0.20	ZNF259 (3.8)	C12orf43 (3.5)	DDX28 (3.2)
0.95 >=0.20	KCTD6 (3.5)	ZNF614 (3.1)	CYP26A1 (3.1)
0.95 >=0.20	RBM6 (3.1)	KBTBD4 (2.9)	RBM5 (2.6)
0.95 >=0.20	TRPS1 (5.1)	FZD9 (3.8)	TTC39B (3.0)
0.95 >=0.20	GPN2 (3.8)	C12orf43 (3.4)	ZNF259 (3.2)
0.95 >=0.20	PTPRZ1 (3.9)	NEUROD2 (3.4)	MPP3 (2.6)
0.95 >=0.20	ENSG00000226334 (3	MYBPC3 (3.1)	CYP26A1 (2.4)
0.95 >=0.20	MAP1A (3.9)	C1QTNF4 (3.4)	MPP2 (3.1)
0.95 >=0.20	BCAM (6.1)	SFN (5.4)	C1orf172 (5.3)
0.95 >=0.20	NDUFS3 (5.7)	PDHB (5.2)	COQ9 (4.8)
0.95 >=0.20	PSMC3 (3.1)	NUP93 (2.3)	CIAPIN1 (2.2)

0.95	>=0.20	PPP1R1B (3.0)	SLC12A3 (2.9)	GPER (2.9)
0.95	>=0.20	KCTD10 (3.1)	ENSG00000226645 (2	PXK (2.6)
0.95	>=0.20	MAP1A (3.2)	C1QTNF4 (2.6)	RLTPR (2.4)
0.95	>=0.20	C11orf49 (2.6)	UBE3B (2.5)	TNKS (2.4)
0.95	>=0.20	RBM5 (3.7)	SNORD58C (2.9)	LILRA3 (2.3)
0.95	>=0.20	SLC12A3 (2.8)	TMEM175 (2.7)	HNF4A (2.4)
0.95	>=0.20	C17orf105 (3.9)	DPEP3 (3.3)	LIPG (2.4)
0.95	>=0.20	ACAA2 (4.3)	COQ9 (4.2)	PDHB (3.9)
0.95	>=0.20	CYP26A1 (2.4)	HSF4 (2.4)	CITED2 (2.3)
0.95	>=0.20	RSPO3 (3.0)	TRPS1 (2.5)	ZNF615 (2.5)
0.95	>=0.20	SLC12A4 (3.4)	SLC39A13 (3.4)	FZD9 (3.1)
0.95	>=0.20	EXOC3L1 (2.0)	DUSP3 (2.0)	NOL3 (1.9)
0.95	>=0.20	ENSG00000226334 (3	SNORD58C (3.0)	ENSG00000226645 (2
0.95	>=0.20	ENSG00000226334 (2	TTBK2 (2.8)	BMP8A (2.7)
0.95	>=0.20	CCDC18 (5.3)	CKAP5 (3.9)	MPHOSPH9 (3.8)
0.95	>=0.20	LILRA3 (3.4)	EXOC3L1 (2.6)	RLTPR (2.6)
0.95	>=0.20	KLF14 (2.8)	GNAO1 (2.5)	CETP (2.4)
0.95	>=0.20	SPG11 (3.1)	OR5J2 (3.0)	BMP8A (2.9)
0.95	>=0.20	TAGLN (4.1)	KCTD10 (3.6)	TCAP (3.3)
0.95	>=0.20	KCTD10 (3.6)	TAGLN (3.4)	MACF1 (3.4)
0.95	>=0.20	DPEP2 (3.8)	SPRYD5 (3.6)	SPI1 (3.4)
0.95	>=0.20	TSNAXIP1 (5.6)	CCDC11 (4.6)	AGBL2 (4.2)
0.95	>=0.20	MAP1A (3.3)	C1QTNF4 (3.0)	TRNP1 (2.8)
0.95	>=0.20	SOST (3.2)	G6PC3 (2.1)	TRPS1 (2.0)
0.95	>=0.20	NEUROD2 (5.8)	C1QTNF4 (3.9)	GNAO1 (3.6)
0.95	>=0.20	NUTF2 (3.5)	DDB2 (3.0)	FAM192A (2.8)
0.95	>=0.20	SOST (3.1)	CYP26A1 (3.0)	ETV5 (3.0)
0.95	>=0.20	CCDC18 (3.5)	KCTD19 (2.9)	BAZ1B (2.6)
0.95	>=0.20	NUP160 (2.6)	DCPS (2.6)	NCOA5 (2.5)
0.95	>=0.20	NUP160 (2.6)	DCPS (2.6)	NCOA5 (2.5)
0.95	>=0.20	RAPSN (4.3)	CYP26A1 (2.7)	ENSG00000247867 (2
0.95	>=0.20	UBR1 (4.3)	C17orf57 (3.5)	KIAA0754 (3.4)
0.95	>=0.20	DCPS (3.5)	EIF3J (3.3)	CCNDBP1 (2.8)
0.95	>=0.20	GFOD2 (3.1)	YDJC (2.9)	PRMT7 (2.8)
0.95	>=0.20	CYP26A1 (4.2)	SOST (3.9)	LRP4 (3.5)
0.95	>=0.20	ZNF259 (4.2)	TOMM40 (3.5)	OGFOD1 (2.9)
0.95	>=0.20	DOK4 (3.1)	ENSG00000256746 (2	GFOD2 (2.6)
0.95	>=0.20	ZNF259 (4.8)	TOMM40 (3.4)	EIF3J (2.9)
0.95	>=0.20	CENPT (3.9)	KIAA0895L (2.8)	NUDT21 (2.5)
0.95	>=0.20	TAGLN (6.0)	MACF1 (3.8)	SPI1 (3.5)
0.95	>=0.20	TAGLN (3.2)	DOCK6 (3.1)	MACF1 (3.1)
0.95	>=0.20	RAPSN (3.9)	TGM7 (2.9)	TGM5 (2.7)
0.95	>=0.20	ENSG00000181296 (2	PDE3A (2.4)	SLC9A5 (2.4)
0.95	>=0.20	RAPSN (3.6)	TNKS (1.7)	HSF4 (1.7)
0.95	>=0.20	CCDC18 (5.6)	MPHOSPH9 (4.2)	CKAP5 (3.5)
0.95	>=0.20	TSNAXIP1 (3.7)	DPEP3 (3.4)	SCARB1 (3.1)
0.95	>=0.20	SNORD58C (3.7)	ZNF259 (2.8)	NUTF2 (2.6)
0.95	>=0.20	RAPSN (3.2)	LRP4 (2.8)	SOST (2.3)
0.95	>=0.20	ETV5 (3.7)	RAPSN (3.0)	LRP4 (3.0)
0.95	>=0.20	NPEPPS (3.0)	RBM6 (2.0)	BCL7B (2.0)

0.95	>=0.20	OR5I1 (2.5)	PITPNM2 (2.2)	HCAR1 (2.2)
0.95	>=0.20	OR5I1 (2.5)	PITPNM2 (2.2)	HCAR1 (2.2)
0.95	>=0.20	ACD (3.6)	CIAPIN1 (3.2)	PRMT7 (3.2)
0.95	>=0.20	ZNF259 (2.7)	PSMC3 (2.4)	CIAPIN1 (2.2)
0.95	>=0.20	MST1R (3.0)	BCAM (2.6)	DOCK6 (2.2)
0.95	>=0.20	ZNF259 (4.1)	C12orf43 (3.5)	DDX28 (3.4)
0.95	>=0.20	C12orf43 (3.4)	CCNDBP1 (2.5)	KLHL8 (2.5)
0.95	>=0.20	MPP2 (4.7)	NEUROD2 (3.5)	C11orf49 (2.9)
0.95	>=0.20	ZFAND2A (4.0)	ENSG00000229043 (3	NUTF2 (3.7)
0.95	>=0.20	SBNO1 (3.5)	NPEPPS (2.9)	TP53BP1 (2.9)
0.95	>=0.20	NDUFS3 (6.6)	COQ9 (5.4)	PDHB (5.3)
0.95	>=0.20	MPP3 (3.4)	CELSR2 (3.1)	PITPNM2 (3.0)
0.95	>=0.20	CCDC18 (4.7)	MPHOSPH9 (3.6)	DEPDC1 (3.2)
0.95	>=0.20	LRRC29 (2.6)	HARBI1 (2.4)	SLC9A5 (2.2)
0.95	>=0.20	PSMB10 (3.4)	RELB (3.2)	CD40 (3.2)
0.95	>=0.20	TMEM62 (3.9)	CTRL (3.5)	PLA2G15 (3.1)
0.95	>=0.20	MAP1A (4.0)	TRNP1 (2.3)	SLC9A5 (2.2)
0.95	>=0.20	RBM6 (2.8)	NCOA5 (2.5)	FADS1 (2.1)
0.95	>=0.20	RBM6 (2.8)	NCOA5 (2.5)	FADS1 (2.1)
0.95	>=0.20	RBM6 (2.8)	NCOA5 (2.5)	FADS1 (2.1)
0.95	>=0.20	TMEM175 (3.4)	MYBPC3 (3.2)	ENSG00000256746 (2
0.95	>=0.20	OR5I1 (3.0)	HNF1A (2.9)	EPB42 (2.5)
0.95	>=0.20	HSF4 (4.2)	TGM7 (3.0)	FADS2 (2.6)
0.95	>=0.20	PITPNM2 (3.0)	OR5I1 (2.7)	ENSG00000181296 (2
0.95	>=0.20	HNF1A (2.9)	KLF14 (2.9)	OR5J2 (2.8)
0.95	>=0.20	RSPO3 (4.6)	BCAM (3.6)	KANK2 (2.7)
0.95	>=0.20	UBR1 (4.0)	DYM (3.6)	SNX13 (2.8)
0.95	>=0.20	PPP1R1B (2.6)	CELSR2 (2.5)	GNAO1 (2.5)
0.95	>=0.20	WDR76 (4.5)	C16orf48 (3.8)	CTDSPL2 (3.3)
0.95	>=0.20	C16orf86 (3.8)	ENSG00000182109 (3	STRC (2.1)
0.95	>=0.20	CCNDBP1 (3.0)	TP53BP1 (2.8)	DYM (2.3)
0.95	>=0.20	MYBPC3 (4.8)	TCAP (3.0)	PACSIN3 (2.9)
0.95	>=0.20	PITPNM2 (3.1)	C17orf57 (2.4)	UVRAG (2.1)
0.95	>=0.20	CSGALNACT1 (2.9)	MPP3 (2.4)	GNAO1 (2.4)
0.95	>=0.20	MYO1H (3.3)	GPIHBP1 (3.0)	DOCK6 (2.8)
0.95	>=0.20	MAP1A (3.9)	MPP2 (3.3)	TRNP1 (2.7)
0.95	>=0.20	ZNF259 (3.3)	C12orf43 (3.2)	BUD13 (3.1)
0.95	>=0.20	TAGLN (3.5)	MACF1 (3.1)	DOK4 (3.1)
0.95	>=0.20	NLRC5 (3.9)	XKR8 (2.9)	SNX10 (2.4)
0.95	>=0.20	CCDC116 (3.8)	NLRC5 (3.6)	FPR3 (3.4)
0.95	>=0.20	ENSG00000256746 (3	ENSG00000229043 (2	ENSG00000181296 (2
0.95	>=0.20	SLC12A3 (2.9)	MPP2 (2.9)	ENSG00000226334 (2
0.95	>=0.20	C16orf86 (3.1)	RLTPR (2.8)	LILRA3 (2.5)
0.95	>=0.20	MAP1A (2.7)	GNAO1 (2.5)	SLC12A3 (2.4)
0.95	>=0.20	TCAP (9.9)	PACSIN3 (4.0)	MYBPC3 (3.4)
0.95	>=0.20	NPEPPS (2.9)	KPNB1 (2.6)	MAP1A (2.4)
0.95	>=0.20	TAGLN (5.8)	DOK4 (4.0)	SLC12A4 (3.2)
0.95	>=0.20	KPNB1 (3.2)	MED1 (3.1)	NUP160 (2.9)
0.95	>=0.20	ZNF408 (2.9)	BCL7B (2.7)	KBTBD4 (2.6)
0.95	>=0.20	CKAP5 (3.3)	EIF3J (3.2)	FNBP4 (3.0)

0.95 >=0.20	CCDC18 (2.8)	MPHOSPH9 (2.5)	LCMT2 (2.5)
0.95 >=0.20	OR5L2 (4.4)	SLC9A5 (2.8)	ENSG00000181296 (2
0.95 >=0.20	TAGLN (3.7)	KCTD10 (3.6)	DOCK6 (3.1)
0.95 >=0.20	NCOA5 (3.1)	FAM192A (2.7)	CCNDBP1 (2.7)
0.95 >=0.20	PCIF1 (3.7)	CKAP5 (3.5)	HDAC5 (3.1)
0.95 >=0.20	NEUROD2 (5.7)	CDK12 (3.0)	MAP1A (2.6)
0.95 >=0.20	TRNP1 (3.7)	ETV5 (3.3)	MPP3 (3.1)
0.95 >=0.20	ZNF614 (4.2)	ZNF350 (3.3)	TNKS (2.6)
0.95 >=0.20	TAGLN (5.1)	SLC12A4 (3.5)	KANK2 (3.1)
0.95 >=0.20	JMJD1C (3.6)	GNAO1 (2.8)	TRPS1 (2.6)
0.95 >=0.20	PSMB10 (3.4)	LILRA3 (3.0)	SNX10 (2.7)
0.95 >=0.20	MPP2 (4.1)	NEUROD2 (3.2)	MAP1A (3.1)
0.95 >=0.20	RELB (4.4)	RLTPR (3.4)	PSMB10 (3.0)
0.95 >=0.20	NEUROD2 (2.7)	TMEM175 (2.7)	OR4A21P (2.2)
0.95 >=0.20	MAP1A (4.6)	GNAO1 (4.4)	TTBK2 (3.9)
0.95 >=0.20	OR5I1 (3.2)	SPRYD5 (2.9)	ENSG00000179523 (2
0.95 >=0.20	RAPSN (6.7)	NOL3 (2.3)	HSF4 (2.2)
0.95 >=0.20	RAPSN (6.7)	NOL3 (2.3)	HSF4 (2.2)
0.95 >=0.20	RAPSN (6.7)	NOL3 (2.3)	HSF4 (2.2)
0.95 >=0.20	CYP2W1 (3.2)	TTBK2 (2.1)	CCL17 (2.1)
0.95 >=0.20	HNF1A (2.5)	BMP8A (2.2)	OR4A1P (2.2)
0.95 >=0.20	KLF14 (2.4)	B3GNT9 (2.4)	PARD6A (2.1)
0.96 >=0.20	MYO5B (3.2)	ENSG00000255507 (3	C11orf9 (2.8)
0.96 >=0.20	FPR3 (2.8)	LILRB2 (2.6)	MPHOSPH9 (2.3)
0.96 >=0.20	CCDC18 (4.2)	OR4A1P (3.4)	KCTD10 (2.5)
0.96 >=0.20	GPN2 (3.4)	C12orf43 (2.7)	TNKS (2.4)
0.96 >=0.20	CYP26A1 (2.7)	LRP4 (2.6)	PTPRZ1 (1.9)
0.96 >=0.20	NDUFS3 (5.7)	COQ9 (4.3)	PDHB (3.4)
0.96 >=0.20	ZFAND2A (5.4)	MBD1 (2.7)	DR1 (2.6)
0.96 >=0.20	C17orf105 (5.6)	ENSG00000247867 (3	CENPT (2.6)
0.96 >=0.20	DGKG (2.9)	FBXL20 (2.7)	TTBK2 (2.6)
0.96 >=0.20	YDJC (3.3)	ENSG00000223745 (2	ENSG00000236267 (2
0.96 >=0.20	TTBK2 (3.2)	OR4A1P (2.9)	SLC12A3 (2.7)
0.96 >=0.20	HDAC5 (2.5)	CPNE2 (2.5)	TRNP1 (2.5)
0.96 >=0.20	NUP160 (2.6)	DCPS (2.6)	BUD13 (2.5)
0.96 >=0.20	ZNF408 (3.4)	OGFOD1 (3.1)	RANBP10 (3.1)
0.96 >=0.20	KCTD10 (4.8)	TAGLN (4.7)	ARHGAP1 (3.0)
0.96 >=0.20	CCDC18 (3.4)	TMEM175 (2.9)	CASC4 (2.6)
0.96 >=0.20	CCDC18 (3.4)	TMEM175 (2.9)	CASC4 (2.6)
0.96 >=0.20	SDF2L1 (3.5)	CENPT (3.3)	ARID1A (2.9)
0.96 >=0.20	ZNF259 (3.4)	EIF3J (2.5)	NUP160 (2.4)
0.96 >=0.20	C12orf65 (3.3)	MYO1H (3.0)	OR5J2 (2.5)
0.96 >=0.20	C16orf48 (4.5)	WDR76 (4.0)	CTDSPL2 (3.8)
0.96 >=0.20	C17orf105 (6.1)	DPEP3 (3.1)	ZNF615 (2.6)
0.96 >=0.20	CXXC1 (3.1)	EPB42 (2.9)	MBD1 (2.7)
0.96 >=0.20	YDJC (3.3)	CSGALNACT1 (2.8)	NUP160 (2.8)
0.96 >=0.20	NDUFS3 (6.1)	PDHB (5.6)	COQ9 (4.9)
0.96 >=0.20	CIAPIN1 (3.3)	COQ9 (3.2)	OGFOD1 (3.0)
0.96 >=0.20	SPI1 (3.1)	SPRYD5 (2.9)	KCTD19 (2.8)
0.96 >=0.20	NUTF2 (3.3)	ZFAND2A (3.1)	PSMC3 (2.8)

0.96	>=0.20	RAPSN (3.5)	ERBB2 (3.0)	KLF14 (2.7)
0.96	>=0.20	FEN1 (5.5)	WDR76 (4.1)	NUP160 (3.3)
0.96	>=0.20	ZFAND2A (5.2)	THAP11 (3.0)	TMEM101 (2.7)
0.96	>=0.20	MAP1A (4.1)	MPP2 (3.2)	TRNP1 (2.9)
0.96	>=0.20	RLTPR (2.9)	ZNF614 (2.6)	TSNAXIP1 (2.4)
0.96	>=0.20	NLRC5 (7.1)	BMP8A (2.9)	TTC39B (2.6)
0.96	>=0.20	OR5I1 (3.2)	HNF1A (3.2)	C1orf172 (2.4)
0.96	>=0.20	WDR76 (6.7)	FEN1 (6.1)	DDB2 (4.8)
0.96	>=0.20	PGS1 (3.1)	ENSG00000247445 (2	MTMR3 (2.2)
0.96	>=0.20	MAP1A (4.2)	GNAO1 (3.2)	PPP1R1B (2.6)
0.96	>=0.20	CCDC18 (6.0)	MPHOSPH9 (4.3)	DEPDC1 (3.7)
0.96	>=0.20	HCAR1 (2.3)	OR5I1 (2.2)	PITPNM2 (2.2)
0.96	>=0.20	ARFGAP2 (3.3)	RSPRY1 (3.1)	C16orf86 (2.8)
0.96	>=0.20	ARID1A (3.8)	BAZ1B (3.7)	SBNO1 (2.7)
0.96	>=0.20	BMP8A (2.3)	SIK3 (2.0)	CATSPER2 (1.9)
0.96	>=0.20	RAPSN (4.0)	LRP4 (3.8)	KLF14 (2.5)
0.96	>=0.20	NUTF2 (3.4)	ENSG00000226334 (2	SNORD58C (2.8)
0.96	>=0.20	ZNF259 (3.9)	TOMM40 (3.3)	EIF3J (3.2)
0.96	>=0.20	PPY (6.7)	PYY (6.5)	APOA4 (3.9)
0.96	>=0.20	GPN2 (3.3)	KBTBD4 (3.1)	C12orf43 (2.9)
0.96	>=0.20	WDR76 (6.2)	FEN1 (6.0)	CTDSPL2 (4.6)
0.96	>=0.20	WDR76 (6.2)	FEN1 (6.0)	CTDSPL2 (4.6)
0.96	>=0.20	WDR76 (6.2)	FEN1 (6.0)	CTDSPL2 (4.6)
0.96	>=0.20	TTBK2 (3.1)	CCDC92 (2.8)	GNAO1 (2.3)
0.96	>=0.20	ABCA8 (3.0)	ST3GAL4 (2.6)	SEC14L4 (2.4)
0.96	>=0.20	GALNT2 (3.6)	ST3GAL4 (3.4)	BACE1 (3.1)
0.96	>=0.20	DDB2 (3.6)	MPHOSPH9 (3.1)	WDR76 (2.8)
0.96	>=0.20	TAGLN (4.7)	MACF1 (3.7)	ARHGAP1 (3.3)
0.96	>=0.20	OR5L2 (8.0)	ENSG00000181296 (4	OR4A1P (3.6)
0.96	>=0.20	OR5L2 (3.9)	PTPMT1 (2.8)	ENSG00000181296 (2
0.96	>=0.20	SLC9A5 (3.5)	RLTPR (2.9)	DGKG (2.9)
0.96	>=0.20	SOST (3.4)	OR5I1 (2.4)	TRPS1 (2.1)
0.96	>=0.20	NLRC5 (4.1)	PSMB10 (3.4)	CCDC116 (3.3)
0.96	>=0.20	TMEM101 (3.5)	ZSCAN29 (2.5)	NUP160 (2.1)
0.96	>=0.20	BCL7B (2.8)	DUSP3 (2.8)	MIEN1 (2.7)
0.96	>=0.20	ENSG00000236267 (2	GPER (2.4)	ENSG00000256746 (2
0.96	>=0.20	WDR76 (5.7)	FEN1 (3.8)	SKA1 (3.6)
0.96	>=0.20	CTRL (3.5)	OR5J2 (3.4)	KLHL8 (2.7)
0.96	>=0.20	ENSG00000247445 (4	HARBI1 (3.7)	NAGS (2.6)
0.96	>=0.20	ENSG00000247445 (4	HARBI1 (3.7)	NAGS (2.6)
0.96	>=0.20	MAP1A (3.0)	TTBK2 (2.8)	BACE1 (2.7)
0.96	>=0.20	OASL (4.3)	NLRC5 (2.7)	TTBK2 (2.6)
0.96	>=0.20	TSNAXIP1 (9.7)	AGBL2 (8.6)	CCDC11 (7.6)
0.96	>=0.20	ARHGAP1 (3.4)	KCTD10 (3.3)	MYO5B (3.0)
0.96	>=0.20	FZD9 (2.7)	TRPS1 (2.6)	PYY (2.4)
0.96	>=0.20	CCNDBP1 (3.1)	DUSP3 (2.9)	RBM6 (2.8)
0.96	>=0.20	NOL3 (3.5)	C1QTNF4 (3.3)	MPP2 (3.2)
0.96	>=0.20	LRRC29 (4.4)	HSF4 (3.9)	BMP8A (2.4)
0.96	>=0.20	MAP1A (3.5)	MPP2 (3.3)	RLTPR (2.6)
0.96	>=0.20	KANK2 (3.4)	TAGLN (3.4)	ARHGAP1 (3.3)

0.96	>=0.20	C1QTNF4 (2.4)	TAGLN (2.2)	KLF14 (2.0)
0.96	>=0.20	C1orf172 (3.2)	LRP4 (2.7)	MYO5B (2.7)
0.96	>=0.20	SNORD58C (2.5)	HNF1A (2.4)	SDF2L1 (2.0)
0.96	>=0.20	GNAO1 (3.5)	C1QTNF4 (3.2)	DGKG (2.8)
0.96	>=0.20	GNAO1 (3.9)	MAP1A (3.4)	NEUROD2 (3.2)
0.96	>=0.20	KCTD10 (4.3)	TAGLN (4.0)	GPIHBP1 (3.8)
0.96	>=0.20	EPB42 (4.9)	RANBP10 (3.8)	TAGLN (3.3)
0.96	>=0.20	GPN2 (3.2)	LCMT2 (3.1)	DUS2L (2.5)
0.96	>=0.20	KIAA0754 (3.8)	ENSG00000182109 (3	MTF2 (3.1)
0.96	>=0.20	KIAA0754 (3.8)	ENSG00000182109 (3	MTF2 (3.1)
0.96	>=0.20	MT1E (3.7)	MT1F (3.3)	MT1M (3.3)
0.96	>=0.20	DGKG (3.7)	PNMT (3.5)	PLEKHG4 (2.9)
0.96	>=0.20	SPRYD5 (4.5)	CCDC116 (3.8)	ENSG00000247445 (3
0.96	>=0.20	NUTF2 (2.8)	UBE2L3 (2.4)	FNBP4 (2.1)
0.96	>=0.20	NDUFS3 (5.8)	PDHB (5.4)	COQ9 (4.6)
0.96	>=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (5.0)
0.96	>=0.20	MT1F (2.8)	MT1H (2.5)	MT1E (2.3)
0.96	>=0.20	RAPSN (5.4)	GNAO1 (3.6)	MAP1A (2.8)
0.96	>=0.20	SPRYD5 (4.6)	DNAH10 (2.7)	CCDC11 (2.6)
0.96	>=0.20	CES4A (3.0)	SCARB1 (2.9)	ZNF335 (2.6)
0.96	>=0.20	FZD9 (2.7)	CYP26A1 (1.8)	MYO5B (1.7)
0.96	>=0.20	INTS10 (3.0)	GPN2 (2.9)	C12orf43 (2.8)
0.96	>=0.20	INTS10 (3.0)	GPN2 (2.9)	C12orf43 (2.8)
0.96	>=0.20	PITPNM2 (3.7)	PPP1R1B (3.4)	C1QTNF4 (2.7)
0.96	>=0.20	NCOA5 (2.5)	CENPT (2.5)	RBM6 (2.3)
0.96	>=0.20	NCOA5 (2.5)	CENPT (2.5)	RBM6 (2.3)
0.96	>=0.20	NCOA5 (2.5)	CENPT (2.5)	RBM6 (2.3)
0.96	>=0.20	NCOA5 (2.5)	CENPT (2.5)	RBM6 (2.3)
0.96	>=0.20	GRB7 (2.9)	CD300LG (2.5)	PTPRZ1 (2.4)
0.96	>=0.20	MT1F (2.7)	MT1H (2.4)	SIK3 (2.3)
0.96	>=0.20	DDB2 (3.9)	SFN (2.7)	SLC12A4 (2.5)
0.96	>=0.20	BBS2 (3.0)	OASL (2.9)	SLC7A6OS (2.4)
0.96	>=0.20	CCNDBP1 (3.9)	RANBP10 (3.8)	MTMR3 (3.6)
0.96	>=0.20	ZNF615 (3.4)	TRPS1 (3.2)	ENSG00000229043 (2
0.96	>=0.20	C16orf48 (4.3)	INTS10 (3.5)	PARD6A (3.2)
0.96	>=0.20	OASL (6.1)	C16orf70 (2.4)	NLRC5 (2.4)
0.96	>=0.20	LRRC29 (3.2)	YDJC (3.0)	ENSG00000182109 (2
0.96	>=0.20	HNF1A (2.8)	MYO5B (2.6)	PLEKHG4 (2.5)
0.96	>=0.20	DPEP3 (4.5)	C17orf105 (4.1)	FEN1 (2.6)
0.96	>=0.20	ZNF259 (4.9)	TOMM40 (4.1)	PRMT7 (3.3)
0.96	>=0.20	FNBP4 (2.7)	CITED2 (2.6)	KPNB1 (2.4)
0.96	>=0.20	DOK4 (3.3)	GFOD2 (2.5)	CYP26A1 (2.4)
0.96	>=0.20	DOK4 (3.3)	GFOD2 (2.5)	CYP26A1 (2.4)
0.96	>=0.20	RLTPR (3.9)	LILRA3 (2.5)	LRRC29 (2.3)
0.96	>=0.20	CYP26A1 (3.6)	BCAM (2.4)	CITED2 (2.3)
0.96	>=0.20	YDJC (4.7)	PRMT7 (3.6)	DUS2L (3.2)
0.96	>=0.20	NDUFS3 (4.5)	COQ9 (2.8)	ZNF408 (2.6)
0.96	>=0.20	YDJC (4.7)	DDX28 (4.4)	SLC7A6OS (4.2)
0.96	>=0.20	ZNF259 (3.9)	C12orf43 (3.5)	SLC7A6OS (3.2)
0.96	>=0.20	NCOA5 (3.0)	FAM192A (2.4)	UBE2L3 (2.3)

0.96	>=0.20	PSMC3 (3.8)	PDIA3 (3.0)	NUP93 (2.8)
0.96	>=0.20	TSNAXIP1 (7.2)	CCDC11 (6.9)	AGBL2 (5.4)
0.96	>=0.20	TSNAXIP1 (7.2)	CCDC11 (6.9)	AGBL2 (5.4)
0.96	>=0.20	FEN1 (6.0)	WDR76 (5.4)	CTDSPL2 (3.8)
0.96	>=0.20	MTF2 (3.1)	ZNF614 (3.0)	DR1 (2.7)
0.96	>=0.20	SNORD58C (3.9)	NUTF2 (2.9)	ENSG00000226334 (2
0.96	>=0.20	PTPRZ1 (4.5)	LRP4 (4.3)	SOST (3.9)
0.96	>=0.20	MAP1A (4.1)	MPP2 (3.6)	MADD (2.7)
0.96	>=0.20	PVRL2 (3.5)	UBE2L3 (2.6)	SLC12A4 (2.4)
0.96	>=0.20	KPNB1 (3.5)	NUTF2 (3.2)	SNORD58C (3.2)
0.96	>=0.20	YDJC (3.8)	DDX28 (3.8)	ZNF259 (3.6)
0.96	>=0.20	NCOA5 (2.6)	CENPT (2.5)	BUD13 (2.3)
0.96	>=0.20	DPEP3 (7.9)	PLEKHG4 (3.7)	KCTD19 (2.6)
0.96	>=0.20	C16orf70 (4.1)	FBXL20 (3.4)	RSPRY1 (3.1)
0.96	>=0.20	MYBPC3 (5.3)	FRMD5 (4.9)	DOK4 (3.0)
0.96	>=0.20	OGFOD1 (2.7)	MADD (2.6)	KPNB1 (2.5)
0.96	>=0.20	CYP26A1 (3.2)	RSPO3 (2.3)	ETV5 (2.3)
0.96	>=0.20	RAPSN (5.8)	TGM7 (2.8)	SNX13 (2.5)
0.96	>=0.20	MAP1A (3.6)	MPP2 (2.8)	NEUROD2 (2.8)
0.96	>=0.20	CYP26A1 (4.4)	SFN (3.7)	LPA (2.7)
0.96	>=0.20	MAP1A (2.7)	DGKG (2.6)	NEUROD2 (2.6)
0.96	>=0.20	PLA2G6 (3.1)	ABHD6 (2.7)	APOE (2.5)
0.96	>=0.20	ST3GAL4 (3.2)	ZNF350 (2.7)	TGM7 (2.4)
0.96	>=0.20	MAP1A (3.5)	LRP4 (2.8)	TCAP (2.7)
0.96	>=0.20	NDUFS3 (6.2)	PDHB (5.6)	COQ9 (4.9)
0.96	>=0.20	MPP3 (3.6)	OR4A21P (3.4)	STRC (3.3)
0.96	>=0.20	ENSG00000247867 (2	CENPT (2.4)	ZNF335 (2.3)
0.96	>=0.20	RSPO3 (2.6)	SLC7A6 (2.3)	CYP26A1 (2.3)
0.96	>=0.20	NUTF2 (3.4)	ENSG00000229043 (2	PSMC3 (2.6)
0.96	>=0.20	EPB42 (7.2)	SEC14L4 (4.9)	RANBP10 (4.6)
0.96	>=0.20	REEP3 (2.3)	GALNT2 (2.3)	BCL7B (2.2)
0.96	>=0.20	SMPD3 (2.9)	MAP1A (2.8)	CMIP (2.6)
0.96	>=0.20	NUTF2 (3.7)	WDR76 (3.7)	C16orf48 (2.9)
0.96	>=0.20	C16orf86 (2.7)	C1QTNF4 (2.6)	HERPUD1 (2.5)
0.96	>=0.20	BCL7B (4.3)	ENSG00000223745 (3	MADD (3.2)
0.96	>=0.20	BCL7B (4.3)	ENSG00000223745 (3	MADD (3.2)
0.96	>=0.20	OGFOD1 (4.1)	CKAP5 (3.2)	SBNO1 (2.8)
0.96	>=0.20	CYP26A1 (4.1)	TAGLN (3.5)	RSPO3 (2.6)
0.96	>=0.20	LCMT2 (3.6)	NRBF2 (2.5)	YDJC (2.5)
0.96	>=0.20	ACD (3.1)	C16orf48 (3.0)	CENPT (2.9)
0.96	>=0.20	SLC9A5 (4.0)	MPP3 (2.5)	FZD9 (2.4)
0.96	>=0.20	C17orf105 (8.5)	KCTD19 (4.1)	AGBL2 (3.6)
0.96	>=0.20	NEUROD2 (2.9)	PPP1R1B (2.8)	C1QTNF4 (2.8)
0.96	>=0.20	SLC12A3 (2.7)	C1orf172 (2.6)	BCAM (2.5)
0.96	>=0.20	LRP4 (5.4)	BCAM (3.9)	ERBB2 (2.7)
0.96	>=0.20	RAPSN (6.3)	KANK2 (3.6)	TCAP (2.9)
0.96	>=0.20	TECTB (5.1)	LRP4 (3.7)	PTPRZ1 (3.4)
0.96	>=0.20	CENPT (2.6)	NCOA5 (2.5)	RBM6 (2.5)
0.96	>=0.20	KIAA0754 (5.8)	FRMD5 (3.6)	CELSR2 (3.6)
0.96	>=0.20	CCDC18 (3.9)	ENSG00000181296 (3	RNF214 (2.8)

0.96	>=0.20	LRRC29 (3.3)	GFOD2 (3.2)	TGM5 (3.1)
0.96	>=0.20	ZNF614 (2.9)	MFAP1 (2.8)	DCPS (2.6)
0.96	>=0.20	C17orf105 (3.4)	TRNP1 (2.5)	CYP2W1 (2.3)
0.96	>=0.20	DCPS (3.2)	MTCH2 (2.8)	FEN1 (2.8)
0.96	>=0.20	RSPO3 (2.6)	RNF214 (2.1)	TNKS (2.0)
0.96	>=0.20	DDB2 (3.6)	CKAP5 (3.3)	CIAPIN1 (3.3)
0.96	>=0.20	C17orf105 (4.7)	C16orf86 (3.1)	OR4A1P (3.1)
0.96	>=0.20	TSNAXIP1 (5.9)	AGBL2 (5.0)	C11orf49 (4.9)
0.96	>=0.20	WDR76 (5.4)	FEN1 (5.2)	CTDSPL2 (3.8)
0.96	>=0.20	ST3GAL4 (2.3)	PITPNM2 (2.2)	HCAR1 (2.2)
0.96	>=0.20	ZNF615 (3.3)	ENSG00000256746 (2	TRADD (2.5)
0.96	>=0.20	ZNF615 (3.3)	ENSG00000256746 (2	TRADD (2.5)
0.96	>=0.20	BCAM (3.0)	HSF4 (2.5)	CYP26A1 (2.3)
0.96	>=0.20	NDUFS3 (6.0)	PDHB (5.6)	COQ9 (4.9)
0.96	>=0.20	COX19 (3.7)	NDUFS3 (3.6)	PTPMT1 (3.3)
0.96	>=0.20	RBM6 (3.4)	MPHOSPH9 (2.8)	TUBGCP4 (2.6)
0.97	>=0.20	OR5L2 (4.4)	ENSG00000181296 (3	SLC9A5 (2.6)
0.97	>=0.20	NUTF2 (3.3)	ENSG00000229043 (3	DDB2 (2.9)
0.97	>=0.20	PPY (3.1)	ZNF350 (2.6)	C11orf49 (2.5)
0.97	>=0.20	CATSPER2 (3.2)	KIAA0754 (3.1)	ENSG00000247867 (2
0.97	>=0.20	SNORD58C (3.4)	NUTF2 (2.5)	ENSG00000226334 (2
0.97	>=0.20	SNORD58C (3.4)	NUTF2 (2.5)	ENSG00000226334 (2
0.97	>=0.20	PTPRZ1 (3.1)	C17orf57 (2.9)	LRRC29 (2.5)
0.97	>=0.20	SBNO1 (3.1)	PAFAH1B2 (3.0)	MTF2 (2.6)
0.97	>=0.20	MAP1A (3.7)	MPP2 (3.0)	RLTPR (2.4)
0.97	>=0.20	C11orf49 (6.0)	BBS2 (5.8)	C16orf48 (5.8)
0.97	>=0.20	SNORD58C (2.9)	UBE2L3 (2.5)	LCMT2 (2.5)
0.97	>=0.20	SNORD58C (2.9)	UBE2L3 (2.5)	LCMT2 (2.5)
0.97	>=0.20	ABCA8 (2.7)	ST3GAL4 (2.6)	SEC14L4 (2.5)
0.97	>=0.20	PARD6A (3.8)	GFOD2 (3.3)	NUDT21 (3.0)
0.97	>=0.20	NDUFS3 (5.9)	PDHB (5.4)	COQ9 (4.8)
0.97	>=0.20	NCOA5 (2.6)	CENPT (2.5)	RBM6 (2.3)
0.97	>=0.20	NFATC3 (2.7)	C1QTNF4 (2.5)	GPER (2.4)
0.97	>=0.20	NUTF2 (3.8)	ENSG00000229043 (3	ZFAND2A (3.4)
0.97	>=0.20	SNORD58C (4.1)	NUTF2 (3.3)	ENSG00000226334 (2
0.97	>=0.20	MPP2 (3.0)	ZNF613 (2.5)	HDAC5 (2.2)
0.97	>=0.20	MADD (3.0)	CCDC92 (2.7)	STRC (2.5)
0.97	>=0.20	DR1 (3.8)	NRBF2 (3.5)	MTF2 (2.9)
0.97	>=0.20	ZNF259 (3.4)	C12orf43 (3.2)	KLHL8 (2.6)
0.97	>=0.20	DDB2 (3.3)	MPHOSPH9 (3.1)	WDR76 (3.0)
0.97	>=0.20	NEUROD2 (4.5)	MPP3 (3.5)	GNAO1 (3.3)
0.97	>=0.20	CCDC18 (4.7)	MPHOSPH9 (3.5)	CKAP5 (3.3)
0.97	>=0.20	ENSG00000247867 (3	CPNE2 (2.9)	NEUROD2 (2.4)
0.97	>=0.20	C12orf43 (3.9)	GPN2 (3.7)	KBTBD4 (3.3)
0.97	>=0.20	SDF2L1 (4.0)	TBL2 (3.6)	PCSK7 (3.5)
0.97	>=0.20	ABHD6 (2.5)	CPNE2 (2.4)	ENSG00000247867 (2
0.97	>=0.20	TMEM101 (4.1)	TMEM175 (4.0)	MIEN1 (3.7)
0.97	>=0.20	C17orf105 (5.5)	DPEP3 (5.3)	TSNAXIP1 (2.6)
0.97	>=0.20	ADAL (2.8)	DCPS (2.7)	ENSG00000229043 (2
0.97	>=0.20	ZNF614 (3.7)	ZNF350 (2.8)	ENSG00000226645 (2

0.97	>=0.20	DDB2 (3.7)	SPG11 (3.3)	HARBI1 (3.1)
0.97	>=0.20	CES4A (5.0)	TMEM62 (3.5)	ENSG00000181123 (3
0.97	>=0.20	CCL17 (2.6)	CCDC116 (2.4)	ZNF664 (2.3)
0.97	>=0.20	MACF1 (4.0)	C11orf49 (3.4)	TP53BP1 (3.3)
0.97	>=0.20	C16orf86 (3.9)	MYBPC3 (3.8)	TGM7 (3.3)
0.97	>=0.20	DNAH10 (3.0)	TGM7 (3.0)	DOK4 (2.8)
0.97	>=0.20	MPP2 (3.5)	TRNP1 (3.0)	PPP1R1B (2.5)
0.97	>=0.20	NDUFS3 (6.0)	PDHB (5.5)	COQ9 (4.7)
0.97	>=0.20	NUP160 (2.6)	LCMT2 (2.6)	DCPS (2.5)
0.97	>=0.20	TGM5 (2.5)	CYP26A1 (2.4)	JMJD1C (2.4)
0.97	>=0.20	ENSG00000229043 (3	RSPO3 (3.1)	DNAH10 (3.1)
0.97	>=0.20	SPRYD5 (2.2)	ZSCAN29 (2.2)	E2F4 (2.0)
0.97	>=0.20	ARHGAP1 (2.7)	UVRAG (2.7)	SPI1 (2.7)
0.97	>=0.20	HNF1A (3.1)	ELMO3 (2.6)	G6PC3 (2.6)
0.97	>=0.20	DDB2 (3.8)	CPNE2 (3.3)	NUTF2 (2.7)
0.97	>=0.20	KCTD6 (2.5)	NOL3 (2.4)	OR4A21P (2.2)
0.97	>=0.20	DCPS (2.8)	LCMT2 (2.6)	BUD13 (2.5)
0.97	>=0.20	DCPS (2.8)	LCMT2 (2.6)	BUD13 (2.5)
0.97	>=0.20	DCPS (2.8)	LCMT2 (2.6)	BUD13 (2.5)
0.97	>=0.20	DCPS (2.8)	LCMT2 (2.6)	BUD13 (2.5)
0.97	>=0.20	DCPS (2.8)	LCMT2 (2.6)	BUD13 (2.5)
0.97	>=0.20	TTC39B (2.8)	MACF1 (2.6)	MAP1A (2.5)
0.97	>=0.20	SBNO1 (3.9)	ARFGAP2 (3.4)	KPNB1 (3.3)
0.97	>=0.20	NUTF2 (3.2)	ENSG00000226334 (2	KPNB1 (2.0)
0.97	>=0.20	TRNP1 (3.2)	MT1F (2.5)	SETD8 (2.4)
0.97	>=0.20	TTC39B (2.9)	OR4A1P (2.6)	SIK3 (2.3)
0.97	>=0.20	TTC39B (2.9)	OR4A1P (2.6)	SIK3 (2.3)
0.97	>=0.20	KCTD10 (3.8)	TAGLN (3.5)	DOK4 (3.1)
0.97	>=0.20	NUTF2 (3.4)	ZFAND2A (3.0)	COX19 (2.7)
0.97	>=0.20	NEUROD2 (3.4)	MPP2 (3.2)	MACF1 (3.0)
0.97	>=0.20	SBNO1 (4.4)	CELF1 (4.4)	NCOA5 (3.8)
0.97	>=0.20	SOST (3.3)	ENSG00000256746 (2	MYBPC3 (2.6)
0.97	>=0.20	CYP26A1 (2.9)	PTPRZ1 (2.9)	RSPO3 (2.6)
0.97	>=0.20	FEN1 (3.3)	WDR76 (3.0)	SKA1 (3.0)
0.97	>=0.20	PPIP5K1 (3.7)	OGFOD1 (3.6)	PARD6A (3.5)
0.97	>=0.20	RSPO3 (4.5)	PVRL2 (3.8)	LRP4 (3.2)
0.97	>=0.20	COQ9 (4.3)	ACAA2 (4.2)	PDHB (3.9)
0.97	>=0.20	TGM7 (3.1)	ENSG00000229043 (2	MVK (2.6)
0.97	>=0.20	CCDC18 (3.9)	CKAP5 (3.2)	BUD13 (3.1)
0.97	>=0.20	UVRAG (4.0)	MIEN1 (3.1)	DUSP3 (2.9)
0.97	>=0.20	MPP2 (4.1)	GNAO1 (3.5)	CELSR2 (3.4)
0.97	>=0.20	PPY (3.1)	MLXIPL (2.2)	HSF4 (2.2)
0.97	>=0.20	SNORD58C (3.6)	NUTF2 (3.3)	ZNF259 (3.1)
0.97	>=0.20	EPB42 (7.5)	RANBP10 (5.2)	MYBPC3 (4.2)
0.97	>=0.20	NUTF2 (3.6)	ENSG00000229043 (3	ZFAND2A (3.0)
0.97	>=0.20	SNORD58C (3.1)	ENSG00000226334 (2	NUTF2 (2.4)
0.97	>=0.20	UBE2L3 (3.0)	KPNB1 (2.1)	CYP26A1 (2.1)
0.97	>=0.20	ZNF259 (4.6)	TOMM40 (3.1)	PRMT7 (2.9)
0.97	>=0.20	CYP2W1 (4.5)	TRNP1 (3.6)	PCSK7 (3.5)
0.97	>=0.20	NDUFS3 (4.8)	COQ9 (3.5)	PDHB (3.5)

0.97 >=0.20	OR4A21P (2.7)	RAPSN (2.5)	NFATC3 (2.5)
0.97 >=0.20	C1orf172 (3.0)	OR4A1P (2.7)	ELMO3 (2.4)
0.97 >=0.20	CCDC18 (5.5)	DEPDC1 (2.7)	DPEP3 (2.5)
0.97 >=0.20	NDUFS3 (4.4)	COQ9 (3.9)	PDHB (3.1)
0.97 >=0.20	ERBB2 (2.2)	TNKS (2.2)	UBE3B (2.0)
0.97 >=0.20	ZNF335 (2.6)	CCNDBP1 (2.5)	ADAL (2.2)
0.97 >=0.20	NUTF2 (3.4)	ZFAND2A (3.0)	PSMC3 (2.6)
0.97 >=0.20	WDR76 (4.3)	C16orf48 (4.1)	DDB2 (3.4)
0.97 >=0.20	CPNE2 (3.3)	ABCB9 (3.0)	ENSG00000254235 (2
0.97 >=0.20	EYA3 (2.8)	UBE3B (2.8)	TP53BP1 (2.8)
0.97 >=0.20	TECTB (5.2)	PPP1R1B (4.0)	ABCB9 (2.9)
0.97 >=0.20	C7orf50 (2.7)	KCTD10 (2.4)	MVK (2.3)
0.97 >=0.20	SNORD58C (4.2)	FNBP4 (2.7)	NUTF2 (2.5)
0.97 >=0.20	DPEP3 (3.8)	WDR76 (3.5)	CCDC18 (2.6)
0.97 >=0.20	BMP8A (2.7)	LRRC29 (2.7)	C1QTNF4 (2.6)
0.97 >=0.20	NDUFS3 (5.8)	PDHB (5.5)	COQ9 (4.9)
0.97 >=0.20	YDJC (3.4)	NUTF2 (3.1)	LCMT2 (3.1)
0.97 >=0.20	FEN1 (5.7)	WDR76 (5.0)	DDB2 (3.9)
0.97 >=0.20	DPEP3 (5.8)	KCTD19 (5.1)	PLEKHG4 (3.7)
0.97 >=0.20	CCDC116 (3.2)	PSKH1 (3.0)	KCTD19 (3.0)
0.97 >=0.20	NDUFS3 (6.0)	PDHB (5.4)	COQ9 (4.9)
0.97 >=0.20	ZNF259 (3.7)	GPN2 (2.9)	YDJC (2.9)
0.97 >=0.20	PNMT (5.2)	MPP3 (3.0)	TECTB (2.9)
0.97 >=0.20	PYY (3.5)	RSPO3 (3.1)	C1orf172 (2.2)
0.97 >=0.20	NEUROD2 (3.2)	SMPD3 (3.1)	GPER (3.1)
0.97 >=0.20	OASL (8.9)	TMEM62 (2.5)	PRMT7 (2.3)
0.97 >=0.20	LCMT2 (3.0)	NCOA5 (2.9)	BUD13 (2.4)
0.97 >=0.20	TCAP (8.9)	TAGLN (5.8)	RAPSN (3.8)
0.97 >=0.20	MAP1A (4.0)	MPP2 (3.0)	TRNP1 (2.8)
0.97 >=0.20	C12orf43 (3.9)	C12orf65 (2.4)	ZNF259 (2.3)
0.97 >=0.20	ENSG00000229043 (3	TGM5 (2.6)	ETV5 (2.1)
0.97 >=0.20	FHOD1 (3.3)	MACF1 (2.8)	MYO5B (2.5)
0.97 >=0.20	HDAC5 (3.6)	RBM6 (2.8)	EXOC3L1 (2.5)
0.97 >=0.20	NDUFS3 (5.5)	COQ9 (4.3)	MTCH2 (3.8)
0.97 >=0.20	WDR76 (6.7)	FEN1 (6.3)	DDB2 (4.5)
0.97 >=0.20	UBE2L3 (3.3)	NUTF2 (2.9)	C12orf43 (2.3)
0.97 >=0.20	CENPT (2.7)	MPHOSPH9 (2.5)	RBM6 (2.5)
0.97 >=0.20	CD40 (4.2)	CCL22 (3.5)	LILRA3 (3.3)
0.97 >=0.20	ENSG00000179523 (2	LSM12 (2.5)	SMPD3 (2.4)
0.97 >=0.20	CENPT (3.0)	EPB42 (2.9)	CYP2W1 (2.5)
0.97 >=0.20	TCAP (6.1)	PACSIN3 (4.8)	MYBPC3 (3.5)
0.97 >=0.20	BAZ1B (3.9)	MTMR3 (3.6)	PLA2G6 (2.7)
0.97 >=0.20	DGKG (3.9)	GNAO1 (3.3)	PITPNM2 (2.5)
0.97 >=0.20	PRMT7 (3.8)	NUP160 (3.1)	KPNB1 (2.7)
0.97 >=0.20	MAP1A (4.0)	MPP2 (3.5)	TRNP1 (2.8)
0.97 >=0.20	DGKG (5.8)	NEUROD2 (3.8)	LRRC29 (3.0)
0.97 >=0.20	MAP1A (4.1)	MPP2 (3.7)	TRNP1 (2.6)
0.97 >=0.20	TAGLN (5.0)	MACF1 (4.1)	KCTD10 (3.7)
0.97 >=0.20	RSPO3 (3.0)	FRMD5 (2.4)	ETV5 (2.0)
0.97 >=0.20	C16orf70 (3.1)	ZFAND2A (3.0)	ATG13 (3.0)

0.97	>=0.20	DGKG (3.4)	GNAO1 (2.9)	STRC (2.5)
0.97	>=0.20	DNAH10 (3.7)	ENSG00000181123 (3	PPY (3.2)
0.97	>=0.20	MAP1A (3.5)	ENSG00000256746 (2	ENSG00000181123 (2
0.97	>=0.20	SBNO1 (4.1)	KPNB1 (2.8)	PSMC3 (2.8)
0.97	>=0.20	LRRC29 (2.6)	DUSP3 (2.6)	C17orf105 (2.4)
0.97	>=0.20	CCDC18 (4.9)	C16orf48 (3.4)	SETD8 (2.7)
0.97	>=0.20	NEUROD2 (5.0)	MPP3 (3.5)	EXOC3L1 (2.9)
0.97	>=0.20	UBR1 (3.7)	DYM (3.1)	TP53BP1 (3.0)
0.97	>=0.20	FEN1 (6.9)	WDR76 (6.3)	DDB2 (4.6)
0.97	>=0.20	KCTD10 (4.0)	FHOD1 (2.8)	TAGLN (2.4)
0.97	>=0.20	ZSCAN29 (4.5)	KLHL8 (4.1)	MTMR3 (3.7)
0.97	>=0.20	C11orf9 (6.6)	ABCA8 (3.1)	MAP1A (2.4)
0.97	>=0.20	CATSPER2 (3.4)	KIAA0754 (2.9)	STRC (2.4)
0.97	>=0.20	TRPS1 (3.7)	FZD9 (2.9)	PYY (2.8)
0.97	>=0.20	KIAA0754 (3.2)	MPP3 (3.2)	DUSP3 (2.9)
0.97	>=0.20	DR1 (3.6)	ARFGAP2 (3.1)	CTDSPL2 (3.0)
0.97	>=0.20	TCAP (5.7)	MYBPC3 (4.9)	PACSIN3 (4.3)
0.97	>=0.20	DCPS (2.9)	NEUROD2 (2.7)	BUD13 (2.5)
0.97	>=0.20	SLC9A5 (3.8)	GNAO1 (2.9)	NEUROD2 (2.8)
0.97	>=0.20	WDR76 (3.8)	SPG11 (3.2)	CXXC1 (3.1)
0.97	>=0.20	POLR2C (3.5)	DGKG (3.2)	OGFOD1 (3.1)
0.97	>=0.20	ZNF350 (3.1)	CCNDBP1 (2.7)	TP53BP1 (2.3)
0.97	>=0.20	STRC (3.3)	MAP1A (3.3)	GNAO1 (3.3)
0.97	>=0.20	SPRYD5 (5.5)	ENSG00000255507 (3	RAB11B (3.0)
0.97	>=0.20	ENSG00000179523 (3	OR5J2 (2.9)	HNF1A (2.8)
0.97	>=0.20	NUTF2 (2.4)	UBE2L3 (2.3)	DPEP3 (1.8)
0.97	>=0.20	MAP1A (3.7)	C11orf9 (2.7)	FRMD5 (2.6)
0.97	>=0.20	C18orf32 (2.6)	C11orf49 (2.1)	BCL7B (2.1)
0.97	>=0.20	BCL7B (5.6)	DCPS (2.9)	KBTBD4 (2.7)
0.97	>=0.20	RAPSN (3.0)	LRP4 (2.8)	SOST (2.3)
0.97	>=0.20	PCSK7 (2.8)	SPG11 (2.7)	BCL7B (2.7)
0.97	>=0.20	SLC39A13 (3.9)	PLA2G15 (3.6)	SIDT2 (2.8)
0.97	>=0.20	ENSG00000181296 (3	OR5I1 (3.7)	OR5L2 (3.6)
0.97	>=0.20	CCDC18 (5.1)	WDR76 (4.1)	FEN1 (3.9)
0.97	>=0.20	NDUFS3 (5.6)	PDHB (5.4)	COQ9 (4.7)
0.97	>=0.20	BCAM (3.2)	C11orf9 (2.5)	PACSIN3 (2.4)
0.97	>=0.20	C1QTNF4 (3.6)	MPP2 (2.9)	MYO5B (2.6)
0.97	>=0.20	PTPRZ1 (3.0)	SMPD3 (2.9)	PTPRJ (2.8)
0.97	>=0.20	ENSG00000247445 (4	ST3GAL4 (3.9)	PCSK7 (3.0)
0.97	>=0.20	SMPD3 (3.4)	TECTB (2.5)	SOST (2.4)
0.97	>=0.20	ZNF259 (4.8)	TOMM40 (3.8)	PRMT7 (3.5)
0.97	>=0.20	FADS2 (3.3)	AGBL2 (2.8)	VEGFA (2.8)
0.97	>=0.20	SMPD3 (3.6)	ENSG00000255507 (2	TP53BP1 (2.5)
0.97	>=0.20	UBR1 (2.4)	ELMO3 (2.2)	TNKS (2.1)
0.97	>=0.20	PSMC3 (3.0)	KPNB1 (2.4)	OR4A21P (2.1)
0.97	>=0.20	C11orf9 (2.6)	CYP26A1 (2.6)	BCAM (2.5)
0.97	>=0.20	TGM7 (2.9)	TGM5 (2.4)	HNF1A (2.3)
0.97	>=0.20	MYBPC3 (6.4)	DOK4 (4.3)	PDE3A (3.5)
0.97	>=0.20	EIF3J (2.7)	TTBK2 (2.5)	C11orf49 (2.4)
0.97	>=0.20	PVRL2 (3.8)	MYO5B (3.3)	SFN (2.9)

0.97 >=0.20	DYM (4.2)	DUS2L (3.6)	ADAL (3.2)
0.97 >=0.20	ETV5 (3.3)	RSPO3 (3.0)	LRP4 (2.4)
0.97 >=0.20	WDR76 (5.2)	MTF2 (3.9)	FEN1 (3.8)
0.97 >=0.20	WDR76 (5.2)	MTF2 (3.9)	FEN1 (3.8)
0.97 >=0.20	KCTD10 (3.9)	TAGLN (3.3)	DOK4 (3.3)
0.97 >=0.20	SFN (5.4)	GPIHBP1 (3.0)	EXOC3L1 (3.0)
0.97 >=0.20	ADAL (2.5)	ZSCAN29 (2.4)	ERBB2 (2.3)
0.97 >=0.20	ADAL (2.5)	ZSCAN29 (2.4)	ERBB2 (2.3)
0.97 >=0.20	MYBPC3 (4.1)	C16orf86 (3.8)	ENSG00000226334 (3
0.97 >=0.20	TMEM175 (3.9)	ENSG00000179523 (3	PIGV (3.1)
0.97 >=0.20	TOMM40 (3.6)	GPN2 (3.4)	EIF3J (3.3)
0.97 >=0.20	FEN1 (5.2)	WDR76 (5.1)	CTDSPL2 (4.1)
0.97 >=0.20	CTRL (4.3)	DDB2 (2.9)	SLC12A4 (2.6)
0.97 >=0.20	MVK (3.8)	FADS1 (3.5)	MMAB (3.3)
0.97 >=0.20	BMP8A (2.8)	SLC9A5 (2.6)	PITPNM2 (2.6)
0.97 >=0.20	TECTB (4.8)	SLC12A3 (3.8)	GPER (2.8)
0.97 >=0.20	GPN2 (3.1)	DCPS (3.0)	UBE2L3 (2.9)
0.97 >=0.20	ZFAND2A (3.2)	NUTF2 (3.0)	PSMC3 (2.6)
0.97 >=0.20	SPRYD5 (4.4)	PYY (3.7)	ZNF615 (2.8)
0.97 >=0.20	TCAP (6.8)	PACSIN3 (3.3)	MYBPC3 (2.3)
0.97 >=0.20	B3GNT9 (4.1)	FHOD1 (3.5)	TAGLN (3.3)
0.97 >=0.20	TCAP (5.3)	MYBPC3 (4.5)	PACSIN3 (3.8)
0.97 >=0.20	OASL (8.6)	NLRC5 (5.9)	PSMB10 (2.6)
0.97 >=0.20	TRPS1 (3.4)	CYP2W1 (2.6)	ZNF613 (2.6)
0.97 >=0.20	RSPO3 (4.6)	ETV5 (3.4)	LRP4 (3.1)
0.97 >=0.20	OR5L2 (6.3)	OR5I1 (2.1)	STRC (2.0)
0.97 >=0.20	MAP1A (4.1)	MPP2 (3.6)	GNAO1 (2.8)
0.97 >=0.20	ZNF259 (4.7)	TOMM40 (3.1)	PRMT7 (3.1)
0.97 >=0.20	OR5I1 (2.8)	HNF1A (2.5)	EPB42 (2.3)
0.97 >=0.20	MAP1A (4.6)	MPP2 (3.5)	BACE1 (2.8)
0.97 >=0.20	KCTD19 (3.7)	PXK (3.1)	ZNF664 (3.0)
0.97 >=0.20	TRPS1 (3.4)	CYP26A1 (2.8)	DNAH10 (2.6)
0.97 >=0.20	WDR76 (6.4)	FEN1 (5.5)	DDB2 (4.6)
0.97 >=0.20	MAP1A (4.2)	MPP2 (3.6)	GNAO1 (2.8)
0.97 >=0.20	SPI1 (2.8)	RLTPR (2.6)	PCSK7 (2.6)
0.97 >=0.20	ENSG00000256746 (3	TGM7 (3.4)	C11orf9 (2.8)
0.97 >=0.20	ENSG00000182109 (2	CCDC116 (2.4)	SLC9A5 (2.4)
0.97 >=0.20	C16orf48 (5.3)	C11orf49 (4.6)	BBS2 (4.4)
0.97 >=0.20	ZNF615 (3.4)	TRPS1 (3.2)	CYP2W1 (2.7)
0.97 >=0.20	NDUFS3 (5.2)	PDHB (5.2)	COQ9 (4.4)
0.97 >=0.20	TNKS (2.4)	ERBB2 (2.2)	UBE3B (1.9)
0.97 >=0.20	GNAO1 (4.6)	NEUROD2 (3.1)	RLTPR (2.8)
0.97 >=0.20	GNAO1 (4.6)	NEUROD2 (3.1)	RLTPR (2.8)
0.97 >=0.20	CELF1 (3.1)	DR1 (2.9)	PPP1R1B (2.6)
0.97 >=0.20	PNMT (3.9)	TCAP (3.4)	APOA4 (2.1)
0.97 >=0.20	TRPS1 (3.5)	TGM7 (3.1)	LRRC29 (2.7)
0.97 >=0.20	C7orf50 (3.9)	ZNF259 (3.6)	LCMT2 (3.2)
0.97 >=0.20	CENPT (2.6)	MPHOSPH9 (2.6)	NCOA5 (2.6)
0.97 >=0.20	EPB42 (4.5)	RANBP10 (3.9)	NUTF2 (3.4)
0.97 >=0.20	C12orf43 (3.8)	YDJC (2.8)	PLEKHG4 (2.4)

0.97 >=0.20	SPRYD5 (3.4)	SPI1 (3.3)	DPEP2 (3.1)
0.97 >=0.20	RAPSN (5.3)	TMEM101 (2.5)	EPB42 (2.4)
0.97 >=0.20	ZNF335 (3.4)	HDAC5 (2.5)	ENSG00000182109 (2
0.97 >=0.20	ZNF335 (3.4)	HDAC5 (2.5)	ENSG00000182109 (2
0.97 >=0.20	ZNF335 (3.4)	HDAC5 (2.5)	ENSG00000182109 (2
0.97 >=0.20	ZNF335 (3.4)	HDAC5 (2.5)	ENSG00000182109 (2
0.97 >=0.20	NEUROD2 (4.6)	TBKBP1 (3.6)	MADD (3.5)
0.97 >=0.20	RSPRY1 (3.6)	AMBRA1 (3.1)	SBNO1 (2.9)
0.97 >=0.20	PVRL2 (3.2)	BACE1 (3.0)	TAGLN (2.9)
0.97 >=0.20	DPEP3 (3.8)	CCDC18 (2.7)	THAP11 (2.7)
0.97 >=0.20	PRMT7 (3.2)	WDR76 (3.2)	NUP160 (3.0)
0.97 >=0.20	ENSG00000226334 (3	SNORD58C (3.1)	NUTF2 (3.0)
0.97 >=0.20	CENPT (2.6)	RBM6 (2.5)	MPHOSPH9 (2.4)
0.97 >=0.20	APOE (2.8)	C17orf105 (2.7)	AGBL2 (2.5)
0.98 >=0.20	DDB2 (2.5)	TP53BP1 (2.3)	MBD1 (2.2)
0.98 >=0.20	MYBPC3 (3.7)	PDE3A (3.5)	CYP26A1 (2.7)
0.98 >=0.20	C16orf86 (4.4)	ENSG00000236267 (2	ABCB9 (2.0)
0.98 >=0.20	OASL (8.7)	NLRC5 (5.9)	PSMB10 (2.6)
0.98 >=0.20	OASL (8.7)	NLRC5 (5.9)	PSMB10 (2.6)
0.98 >=0.20	MST1R (3.2)	RBPJ (2.3)	DEPDC1 (2.3)
0.98 >=0.20	FEN1 (5.8)	WDR76 (5.8)	C16orf48 (3.9)
0.98 >=0.20	LCMT2 (3.3)	C16orf48 (3.0)	DCPS (2.9)
0.98 >=0.20	PTPRZ1 (4.9)	TNKS (3.4)	LRP4 (3.0)
0.98 >=0.20	GNAO1 (4.5)	NEUROD2 (2.9)	MPP3 (2.8)
0.98 >=0.20	MTCH2 (4.2)	PSMC3 (4.1)	EIF3J (3.8)
0.98 >=0.20	PPY (6.5)	CTRL (2.6)	REEP3 (2.2)
0.98 >=0.20	WDR76 (6.2)	FEN1 (4.7)	CTDSPL2 (4.4)
0.98 >=0.20	MPP2 (3.0)	MADD (2.7)	PXK (2.3)
0.98 >=0.20	RANBP10 (2.9)	PNMT (2.4)	CCNDBP1 (2.4)
0.98 >=0.20	SOST (3.3)	ENSG00000256746 (2	DNAH10 (2.6)
0.98 >=0.20	SNORD58C (3.3)	NUTF2 (3.1)	ENSG00000226334 (2
0.98 >=0.20	RLTPR (3.2)	ZNF614 (2.4)	MFAP1 (2.2)
0.98 >=0.20	ZNF664 (3.1)	ZNF613 (2.5)	ENSG00000226645 (2
0.98 >=0.20	TSNAXIP1 (3.5)	BBS2 (3.3)	ENSG00000229043 (2
0.98 >=0.20	RAPSN (6.0)	PACSIN3 (4.8)	TCAP (4.5)
0.98 >=0.20	DUSP3 (2.7)	LRRC29 (2.6)	C17orf105 (2.5)
0.98 >=0.20	ETV5 (3.0)	TGM5 (2.6)	SPRYD5 (2.5)
0.98 >=0.20	CASC4 (3.0)	C17orf105 (2.7)	ST3GAL4 (2.5)
0.98 >=0.20	GRB7 (3.2)	PNMT (3.1)	NEUROD2 (2.8)
0.98 >=0.20	DNAH10 (2.9)	HNF1A (2.3)	MYO5B (2.3)
0.98 >=0.20	DYM (4.1)	DUS2L (3.7)	ADAL (3.5)
0.98 >=0.20	DYM (4.1)	DUS2L (3.7)	ADAL (3.5)
0.98 >=0.20	G6PC3 (2.2)	HNF1A (2.1)	CATSPER2 (2.0)
0.98 >=0.20	ENSG00000236267 (3	TRADD (2.8)	DDB2 (2.8)
0.98 >=0.20	SNORD58C (2.8)	CELF1 (2.4)	EIF3J (1.9)
0.98 >=0.20	SOST (3.3)	HSF4 (3.0)	TGM7 (2.5)
0.98 >=0.20	DYM (2.7)	DPEP3 (2.6)	ADAL (2.6)
0.98 >=0.20	YDJC (4.3)	DDX28 (3.9)	DUS2L (3.8)
0.98 >=0.20	OASL (3.2)	MON1A (2.8)	TMEM62 (2.4)
0.98 >=0.20	MADD (3.3)	PTPRJ (2.8)	MPP2 (2.5)

0.98	>=0.20	TCAP (3.0)	GALNT2 (2.9)	CCDC116 (2.4)
0.98	>=0.20	RAPSN (3.6)	EXOC3L1 (3.0)	LRP4 (2.8)
0.98	>=0.20	DGKG (4.4)	GNAO1 (3.0)	MAP1A (2.9)
0.98	>=0.20	PITPNM2 (2.9)	OR5L2 (2.7)	OR5I1 (2.6)
0.98	>=0.20	WDR76 (3.0)	KLHL8 (2.8)	KIAA0895L (2.8)
0.98	>=0.20	AGBL2 (5.4)	CCDC11 (4.5)	TSNAXIP1 (4.5)
0.98	>=0.20	OR5J2 (4.4)	C7orf50 (3.8)	PTPMT1 (2.8)
0.98	>=0.20	SLC12A3 (3.7)	CX3CL1 (3.6)	TECTB (3.2)
0.98	>=0.20	APOA4 (3.6)	NAGS (3.4)	HNF1A (2.6)
0.98	>=0.20	ENSG00000229043 (2	ETV5 (2.7)	SOST (2.2)
0.98	>=0.20	SNORD58C (3.8)	ENSG00000226334 (3	FNBP4 (2.8)
0.98	>=0.20	BCAM (2.9)	SIDT2 (2.8)	UBE3B (2.0)
0.98	>=0.20	C17orf105 (5.3)	KCTD19 (3.3)	BMP8A (3.1)
0.98	>=0.20	OR5I1 (3.8)	C11orf49 (3.5)	SLC9A5 (3.0)
0.98	>=0.20	CLPTM1 (3.5)	AMBRA1 (3.4)	ENSG00000181296 (3
0.98	>=0.20	NEUROD2 (2.9)	TMEM175 (2.8)	C16orf86 (2.3)
0.98	>=0.20	MFAP1 (4.2)	WDR76 (3.8)	C12orf65 (3.8)
0.98	>=0.20	CENPT (2.7)	MPHOSPH9 (2.5)	NCOA5 (2.4)
0.98	>=0.20	KLF14 (2.7)	ENSG00000181123 (2	SPI1 (2.4)
0.98	>=0.20	KLHL8 (2.6)	BCL7B (2.5)	FHOD1 (2.4)
0.98	>=0.20	B3GNT9 (3.6)	ENSG00000254235 (2	ZNF408 (2.4)
0.98	>=0.20	OR5L2 (9.3)	ENSG00000181296 (6	OR4A1P (5.4)
0.98	>=0.20	LRRC29 (3.9)	UBR1 (3.9)	TP53BP1 (3.3)
0.98	>=0.20	MYBPC3 (7.2)	TCAP (6.8)	FRMD5 (3.5)
0.98	>=0.20	PLEKHG4 (3.1)	EXOC3L1 (2.8)	CYP2W1 (2.8)
0.98	>=0.20	NUP93 (3.6)	KPNB1 (3.3)	FEN1 (3.1)
0.98	>=0.20	MYBPC3 (6.0)	FRMD5 (5.0)	OR5J2 (3.0)
0.98	>=0.20	STRC (3.6)	DPEP2 (2.8)	DPEP3 (2.6)
0.98	>=0.20	C17orf105 (3.1)	THAP11 (2.8)	ENSG00000256746 (2
0.98	>=0.20	CCDC11 (6.0)	AGBL2 (5.9)	TSNAXIP1 (5.8)
0.98	>=0.20	C7orf50 (2.7)	GPN2 (2.4)	ACD (2.3)
0.98	>=0.20	WDR76 (5.0)	CTDSPL2 (4.6)	C16orf48 (4.3)
0.98	>=0.20	NUTF2 (3.3)	ENSG00000226334 (2	UBE2L3 (2.0)
0.98	>=0.20	RNF214 (2.3)	C16orf86 (2.1)	BMP8A (2.0)
0.98	>=0.20	DGKG (3.7)	CPNE2 (3.0)	CX3CL1 (2.7)
0.98	>=0.20	OASL (3.3)	MON1A (2.6)	COX19 (2.5)
0.98	>=0.20	EIF3J (4.3)	ZNF259 (3.2)	ARFGAP2 (2.9)
0.98	>=0.20	C11orf49 (5.1)	BBS2 (4.7)	C16orf48 (4.5)
0.98	>=0.20	C1QTNF4 (4.0)	SLC9A5 (3.9)	ACP2 (2.8)
0.98	>=0.20	MST1R (4.9)	C1orf172 (4.8)	ESRP2 (4.0)
0.98	>=0.20	KCTD6 (2.7)	ENSG00000226334 (2	PLTP (1.9)
0.98	>=0.20	WDR76 (3.8)	SKA1 (3.5)	CCDC18 (2.9)
0.98	>=0.20	KIAA0754 (4.4)	C1orf172 (3.8)	SLC39A13 (3.5)
0.98	>=0.20	UBE2L3 (2.7)	PITPNM2 (2.1)	KLHL8 (2.0)
0.98	>=0.20	RLTPR (3.3)	GLUL (2.6)	CETP (2.0)
0.98	>=0.20	RLTPR (3.3)	GLUL (2.6)	CETP (2.0)
0.98	>=0.20	DDB2 (3.9)	OASL (3.7)	FEN1 (3.6)
0.98	>=0.20	C16orf70 (2.3)	SLC39A13 (2.0)	EXOC3L1 (1.9)
0.98	>=0.20	SLC7A6 (2.5)	DPEP3 (2.5)	ENSG00000223745 (2
0.98	>=0.20	RSPO3 (4.0)	FRMD5 (2.2)	ETV5 (2.1)

0.98	>=0.20	TMEM101 (3.2)	CES4A (2.4)	RAPSN (2.4)
0.98	>=0.20	SLC12A3 (3.5)	COBLL1 (2.4)	HCAR1 (2.1)
0.98	>=0.20	RBM6 (2.9)	MFAP1 (2.7)	C12orf43 (2.4)
0.98	>=0.20	SNORD58C (3.4)	ENSG00000226334 (2	NUTF2 (2.4)
0.98	>=0.20	BCAM (5.2)	PVRL2 (4.3)	ERBB2 (3.5)
0.98	>=0.20	ADAL (3.3)	ABHD6 (3.2)	CCDC18 (3.2)
0.98	>=0.20	PPP1R1B (3.7)	C1QTNF4 (3.4)	GNAO1 (3.3)
0.98	>=0.20	WDR76 (4.9)	FEN1 (4.3)	CTDSPL2 (4.3)
0.98	>=0.20	DYM (3.8)	ZSCAN29 (3.3)	EIF3J (3.0)
0.98	>=0.20	BCAM (3.2)	C11orf9 (2.5)	CYP26A1 (2.4)
0.98	>=0.20	BCAM (3.2)	C11orf9 (2.5)	CYP26A1 (2.4)
0.98	>=0.20	MAP1A (3.9)	MPP2 (3.9)	TRNP1 (2.7)
0.98	>=0.20	CYP26A1 (3.2)	KLF14 (2.4)	RSPO3 (2.4)
0.98	>=0.20	CYP26A1 (3.5)	OR5I1 (3.4)	ENSG00000256746 (2
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.6)	GNAO1 (2.6)
0.98	>=0.20	MPP2 (2.8)	TCAP (2.7)	MAP1A (2.6)
0.98	>=0.20	TOMM40 (2.9)	OGFOD1 (2.8)	NPEPPS (2.7)
0.98	>=0.20	CTDSPL2 (4.5)	C16orf48 (4.2)	WDR76 (3.8)
0.98	>=0.20	MAP1A (3.4)	C1QTNF4 (3.1)	MPP2 (3.1)
0.98	>=0.20	MAP1A (3.1)	MPP2 (2.7)	MYO5B (2.6)
0.98	>=0.20	LRP4 (2.7)	C11orf49 (2.5)	TRPS1 (2.4)
0.98	>=0.20	WDR76 (4.4)	FEN1 (4.2)	MFAP1 (3.9)
0.98	>=0.20	PITPNM2 (3.9)	MPP2 (3.0)	TTBK2 (2.7)
0.98	>=0.20	NDUFS3 (4.0)	COX19 (3.6)	PTPMT1 (3.5)
0.98	>=0.20	CTRL (3.4)	COX19 (2.8)	PDHB (2.5)
0.98	>=0.20	SLC12A3 (4.2)	HNF4A (3.3)	ST3GAL4 (2.5)
0.98	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.8)
0.98	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.8)
0.98	>=0.20	NDUFS3 (5.9)	PDHB (5.6)	COQ9 (4.8)
0.98	>=0.20	TTC39B (3.4)	CCL17 (2.4)	CCL22 (2.3)
0.98	>=0.20	DPEP3 (3.9)	MTF2 (2.8)	ZNF664 (2.8)
0.98	>=0.20	MAP1A (3.3)	CCDC92 (3.0)	KCTD6 (2.9)
0.98	>=0.20	CYP26A1 (2.8)	BCAM (2.7)	C11orf9 (2.6)
0.98	>=0.20	C17orf105 (4.1)	DPEP3 (3.5)	FEN1 (2.6)
0.98	>=0.20	MAP1A (4.2)	MPP2 (3.5)	GNAO1 (2.7)
0.98	>=0.20	MACF1 (3.7)	PGAP3 (3.4)	CATSPER2 (3.0)
0.98	>=0.20	XKR8 (4.3)	TRADD (3.0)	CES4A (2.8)
0.98	>=0.20	MAP1A (4.0)	TTBK2 (3.2)	GNAO1 (3.1)
0.98	>=0.20	DNAH10 (2.9)	CYP26A1 (2.5)	LRP4 (2.3)
0.98	>=0.20	LRP4 (2.9)	OR5J2 (2.9)	MYO5B (2.4)
0.98	>=0.20	NLRC5 (3.8)	XKR8 (3.0)	ZNF615 (2.6)
0.98	>=0.20	EIF3J (4.1)	CATSPER2 (3.5)	ZNF259 (3.0)
0.98	>=0.20	NDUFS3 (5.1)	COQ9 (2.8)	PDHB (2.8)
0.98	>=0.20	PLA2G6 (2.8)	GFOD2 (2.6)	UBE2L3 (2.3)
0.98	>=0.20	MACF1 (3.9)	TAGLN (2.8)	LILRA3 (2.7)
0.98	>=0.20	PPIP5K1 (2.2)	CYP26A1 (2.2)	SLC12A4 (2.1)
0.98	>=0.20	C18orf32 (3.6)	PSMC3 (2.8)	POLR2C (2.7)
0.98	>=0.20	ZNF259 (3.8)	EIF3J (3.0)	KPNB1 (2.5)
0.98	>=0.20	B3GNT9 (3.4)	ENSG00000256746 (3	PPY (2.9)
0.98	>=0.20	MAP1A (4.1)	TTBK2 (3.4)	GNAO1 (3.3)

0.98	>=0.20	FPR3 (4.2)	ENSG00000255507 (2	NLRC5 (2.3)
0.98	>=0.20	ENSG00000179523 (3	GRB7 (2.7)	FZD9 (2.7)
0.98	>=0.20	LRP4 (3.8)	BCAM (2.6)	CYP26A1 (2.5)
0.98	>=0.20	PGAP3 (5.6)	MED1 (4.3)	CDK12 (4.0)
0.98	>=0.20	DGKG (4.9)	LCAT (2.9)	PTPRZ1 (2.1)
0.98	>=0.20	CCDC18 (3.9)	MPHOSPH9 (3.3)	C16orf48 (3.3)
0.98	>=0.20	OR5I1 (3.0)	HNF1A (2.8)	ENSG00000182109 (2
0.98	>=0.20	THAP11 (3.5)	MFAP1 (3.0)	LCMT2 (2.9)
0.98	>=0.20	DDB2 (2.4)	PLEKHG4 (2.2)	CCDC18 (2.2)
0.98	>=0.20	DDB2 (5.7)	FEN1 (5.2)	WDR76 (5.0)
0.98	>=0.20	NDUFS3 (3.9)	COQ9 (3.6)	PDHB (3.5)
0.98	>=0.20	TRPS1 (2.3)	CELSR2 (2.2)	DDB2 (2.2)
0.98	>=0.20	ZNF259 (4.7)	TOMM40 (3.4)	DDX28 (3.1)
0.98	>=0.20	ZSCAN29 (3.4)	CCDC116 (3.4)	ENSG00000236267 (3
0.98	>=0.20	CENPT (2.8)	MPHOSPH9 (2.6)	RBM6 (2.6)
0.98	>=0.20	XKR8 (2.8)	CD40 (2.2)	ZNF615 (1.9)
0.98	>=0.20	WDR76 (5.1)	FEN1 (4.6)	DDB2 (4.5)
0.98	>=0.20	OR5L2 (4.2)	ENSG00000181296 (3	SLC9A5 (2.5)
0.98	>=0.20	C16orf86 (3.0)	C17orf105 (2.9)	KIAA0754 (2.4)
0.98	>=0.20	C16orf86 (3.0)	C17orf105 (2.9)	KIAA0754 (2.4)
0.98	>=0.20	ZNF259 (3.8)	GPN2 (3.6)	C12orf43 (2.7)
0.98	>=0.20	KIAA0895L (2.3)	BACE1 (2.1)	SLC39A13 (2.1)
0.98	>=0.20	C12orf43 (3.7)	ZNF259 (3.0)	E2F4 (2.8)
0.98	>=0.20	TAGLN (3.8)	DOK4 (3.3)	KCTD10 (3.2)
0.98	>=0.20	PRMT7 (3.5)	LCMT2 (3.4)	DCPS (2.7)
0.98	>=0.20	CCNDBP1 (2.3)	ZNF335 (2.1)	YDJC (2.0)
0.98	>=0.20	KIAA0754 (7.3)	ZNF613 (3.7)	PXK (2.4)
0.98	>=0.20	SNORD58C (3.3)	NUTF2 (3.1)	ENSG00000226334 (3
0.98	>=0.20	TECTB (3.0)	DOK4 (2.8)	TGM5 (2.8)
0.98	>=0.20	SNORD58C (3.2)	NUTF2 (3.0)	ENSG00000226334 (2
0.98	>=0.20	SNORD58C (3.2)	NUTF2 (3.0)	ENSG00000226334 (2
0.98	>=0.20	COQ9 (4.4)	PDHB (4.2)	ACAA2 (3.4)
0.98	>=0.20	CKAP5 (3.7)	CCDC18 (3.0)	DEPDC1 (2.9)
0.98	>=0.20	SDF2L1 (5.7)	CATSPER2 (5.0)	PDIA3 (4.7)
0.98	>=0.20	OR5L2 (2.6)	PITPNM2 (2.5)	BMP8A (2.4)
0.98	>=0.20	OR5L2 (2.6)	PITPNM2 (2.5)	BMP8A (2.4)
0.98	>=0.20	SPRYD5 (3.8)	GNAO1 (3.0)	RNF214 (2.6)
0.98	>=0.20	ENSG00000226334 (3	SNORD58C (3.1)	NUTF2 (3.1)
0.98	>=0.20	BMP8A (4.6)	NEUROD2 (4.3)	OR5I1 (2.9)
0.98	>=0.20	DUSP3 (3.2)	COX19 (2.7)	KIAA0895L (2.7)
0.98	>=0.20	TECTB (3.2)	PPP1R1B (3.0)	TRNP1 (2.7)
0.98	>=0.20	MAP1A (2.8)	TRNP1 (2.7)	YDJC (2.7)
0.98	>=0.20	DR1 (2.5)	MACF1 (2.3)	MPP3 (2.2)
0.98	>=0.20	FPR3 (4.3)	CCDC116 (3.1)	DPEP2 (2.3)
0.98	>=0.20	TAGLN (4.5)	KCTD10 (3.6)	DOK4 (3.0)
0.98	>=0.20	C1orf172 (4.0)	KIAA0754 (3.9)	SFN (3.7)
0.98	>=0.20	OR5L2 (4.2)	ENSG00000181296 (2	SLC9A5 (2.5)
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.6)	GNAO1 (2.8)
0.98	>=0.20	SNORD58C (3.6)	ENSG00000226334 (2	NUTF2 (2.9)
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.6)	GNAO1 (2.8)

0.98	>=0.20	DNAH10 (3.1)	CYP26A1 (2.4)	OR5J2 (2.3)
0.98	>=0.20	WDR76 (6.5)	FEN1 (5.2)	DDB2 (4.2)
0.98	>=0.20	NCOA5 (2.2)	THAP11 (1.7)	ZNF664 (1.7)
0.98	>=0.20	MT1F (2.8)	MT1G (2.7)	MYO1H (2.5)
0.98	>=0.20	MPHOSPH9 (2.5)	CENPT (2.5)	BUD13 (2.5)
0.98	>=0.20	RSPO3 (3.4)	TGM5 (2.8)	ENSG00000181123 (2
0.98	>=0.20	SNORD58C (3.1)	ENSG00000226334 (3	NUTF2 (3.0)
0.98	>=0.20	DDB2 (4.2)	WDR76 (3.1)	CBFB (2.4)
0.98	>=0.20	ZNF615 (3.2)	GRB7 (2.9)	ERBB2 (2.8)
0.98	>=0.20	ENSG00000255507 (4	OR4A1P (2.6)	KCTD19 (2.6)
0.98	>=0.20	MAP1A (4.3)	MPP2 (3.3)	TRNP1 (2.6)
0.98	>=0.20	STRC (3.3)	DPEP2 (3.2)	CTRL (2.3)
0.98	>=0.20	ADAL (2.2)	ENSG00000226334 (2	C16orf48 (2.0)
0.98	>=0.20	GNAO1 (2.6)	RBPJ (2.2)	SNX13 (2.2)
0.98	>=0.20	DEPDC1 (3.2)	MPHOSPH9 (3.2)	SKA1 (3.1)
0.98	>=0.20	ENSG00000247867 (3	RSPO3 (2.7)	ENSG00000229043 (2
0.98	>=0.20	DYM (3.0)	CYP2W1 (2.7)	ETV5 (2.6)
0.98	>=0.20	PNMT (3.7)	ENSG00000236267 (3	TGM7 (3.2)
0.98	>=0.20	ZNF259 (4.0)	C7orf50 (3.7)	EIF3J (3.3)
0.98	>=0.20	SLC12A3 (3.5)	STRC (2.4)	HNF4A (2.2)
0.98	>=0.20	C1orf172 (3.2)	TGM7 (3.1)	KIAA0754 (2.9)
0.98	>=0.20	HNF1A (3.0)	OR5I1 (2.9)	ELMO3 (2.4)
0.98	>=0.20	EIF3J (3.8)	ZNF259 (3.2)	UBE2L3 (3.0)
0.98	>=0.20	LSM12 (2.7)	NCOA5 (2.7)	KPNB1 (2.4)
0.98	>=0.20	SOST (3.1)	GPIHBP1 (2.4)	TRPS1 (2.2)
0.98	>=0.20	OR5L2 (3.1)	ENSG00000181296 (3	SMPD3 (2.3)
0.98	>=0.20	MACF1 (2.8)	SNORD58C (2.3)	KPNB1 (2.3)
0.98	>=0.20	YDJC (3.6)	C11orf49 (3.4)	LRRC29 (3.4)
0.98	>=0.20	PAFAH1B2 (3.0)	DPEP3 (2.9)	SBNO1 (2.7)
0.98	>=0.20	ENSG00000226334 (3	NUTF2 (3.1)	SNORD58C (2.9)
0.98	>=0.20	CES4A (4.3)	TMEM62 (3.9)	ENSG00000181123 (3
0.98	>=0.20	ZFAND2A (5.7)	THAP11 (2.7)	POLR2C (2.6)
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.5)	GNAO1 (2.8)
0.98	>=0.20	PDHB (3.4)	PSMC3 (3.1)	ARHGAP1 (2.6)
0.98	>=0.20	C16orf48 (3.7)	CTDSPL2 (3.6)	PARD6A (3.3)
0.98	>=0.20	ENSG00000256746 (3	DPEP2 (3.2)	SPRYD5 (3.2)
0.98	>=0.20	TCAP (8.8)	PACSIN3 (5.0)	RAPSN (4.6)
0.98	>=0.20	MAP1A (4.3)	MPP2 (3.4)	GNAO1 (2.8)
0.98	>=0.20	OR4A21P (2.6)	MT1G (2.6)	OR5J2 (2.5)
0.98	>=0.20	MYBPC3 (5.4)	FRMD5 (3.1)	TCAP (3.0)
0.98	>=0.20	FNBP4 (4.5)	RBM5 (3.6)	LSM12 (3.3)
0.98	>=0.20	MYBPC3 (5.5)	FRMD5 (4.8)	TCAP (2.9)
0.98	>=0.20	SPRYD5 (2.3)	CCDC116 (2.3)	DNAH10 (2.3)
0.98	>=0.20	MADD (3.2)	GPR146 (2.6)	CPNE2 (2.4)
0.98	>=0.20	ERBB2 (2.3)	PVRL2 (2.1)	TNKS (2.0)
0.98	>=0.20	CES4A (4.3)	C11orf9 (3.5)	REEP3 (3.3)
0.98	>=0.20	RBM6 (3.6)	C12orf43 (3.3)	MFAP1 (3.0)
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.5)	GNAO1 (2.7)
0.98	>=0.20	FHOD1 (3.2)	PLEKHG4 (2.6)	OR5I1 (2.4)
0.98	>=0.20	DGKG (3.3)	PITPNM2 (3.1)	GNAO1 (3.0)

0.98	>=0.20	C17orf57 (4.7)	TGM7 (4.1)	AFF1 (2.7)
0.98	>=0.20	MYBPC3 (4.5)	FRMD5 (3.6)	DOK4 (3.3)
0.98	>=0.20	ENSG00000181296 (3	ZSCAN29 (2.5)	CASC4 (2.3)
0.98	>=0.20	SLC12A3 (9.8)	HNF4A (3.5)	PLG (2.9)
0.98	>=0.20	TAGLN (5.0)	KCTD10 (4.0)	DOK4 (3.0)
0.98	>=0.20	OASL (3.3)	TMEM62 (2.6)	HARBI1 (2.4)
0.98	>=0.20	C17orf105 (3.4)	OR5J2 (3.1)	ADAL (3.0)
0.98	>=0.20	GNAO1 (3.5)	DGKG (3.5)	CCDC116 (2.7)
0.98	>=0.20	PITPNM2 (3.0)	OR5I1 (2.5)	MPP2 (2.5)
0.98	>=0.20	ZNF615 (2.3)	DDB2 (2.2)	KLF14 (1.8)
0.98	>=0.20	SNORD58C (3.4)	NUTF2 (3.2)	ENSG00000226334 (2
0.98	>=0.20	SNORD58C (3.4)	NUTF2 (3.2)	ENSG00000226334 (2
0.98	>=0.20	CYP2W1 (2.7)	TRADD (2.2)	OR5J2 (2.0)
0.98	>=0.20	PPY (4.9)	YDJC (2.4)	CMIP (2.3)
0.98	>=0.20	MAP1A (3.8)	MPP2 (3.4)	TRNP1 (2.8)
0.98	>=0.20	RAPSN (6.8)	PNMT (2.6)	ENSG00000181296 (2
0.98	>=0.20	SOST (3.3)	GPER (2.6)	LRRC29 (2.6)
0.98	>=0.20	WDR76 (5.4)	FEN1 (5.0)	MFAP1 (3.7)
0.98	>=0.20	MAP1A (4.1)	MPP2 (3.5)	GNAO1 (2.9)
0.98	>=0.20	TRPS1 (3.9)	CYP26A1 (3.8)	RSPO3 (2.5)
0.98	>=0.20	TCAP (6.7)	TAGLN (3.4)	PACSIN3 (2.6)
0.98	>=0.20	MBD1 (3.2)	OASL (3.2)	OR5I1 (2.9)
0.98	>=0.20	FEN1 (4.7)	NUP160 (3.2)	WDR76 (2.8)
0.98	>=0.20	RAPSN (4.3)	EXOC3L1 (2.4)	TMED5 (2.2)
0.98	>=0.20	CYP26A1 (2.7)	FZD9 (2.3)	TGM5 (2.2)
0.98	>=0.20	KCTD6 (2.5)	C17orf105 (2.0)	PPY (1.9)
0.98	>=0.20	ETV5 (3.2)	LRP4 (3.0)	KCTD6 (2.3)
0.98	>=0.20	DDB2 (3.0)	WDR76 (2.6)	ADAL (2.5)
0.98	>=0.20	GNAO1 (3.7)	C1QTNF4 (3.6)	MPP2 (3.2)
0.98	>=0.20	DDB2 (5.4)	JMJD1C (4.4)	BBS2 (2.6)
0.98	>=0.20	ENSG00000181296 (2	C1orf172 (2.3)	BCAM (2.3)
0.98	>=0.20	C1QTNF4 (3.5)	PLTP (2.8)	NFATC3 (2.3)
0.98	>=0.20	ENSG00000181296 (2	OR5L2 (2.4)	PITPNM2 (2.4)
0.98	>=0.20	PLTP (2.4)	LIPG (2.2)	KCTD6 (2.1)
0.98	>=0.20	CPNE2 (3.3)	FRMD5 (2.8)	PTPRZ1 (2.5)
0.98	>=0.20	RANBP10 (2.6)	ENSG00000226645 (1	SKA1 (1.8)
0.98	>=0.20	MAP1A (4.0)	MPP2 (3.6)	RLTPR (2.6)
0.98	>=0.20	KIAA0895L (3.2)	MAP1A (2.8)	RBM5 (2.7)
0.98	>=0.20	SPG11 (3.2)	DDB2 (2.9)	WDR76 (2.5)
0.98	>=0.20	CES4A (4.1)	BMP8A (3.7)	REEP3 (3.1)
0.98	>=0.20	TGM5 (3.2)	SFN (2.8)	TMEM101 (2.7)
0.98	>=0.20	EIF3J (3.7)	C12orf43 (3.5)	DYM (3.5)
0.98	>=0.20	RBM6 (3.4)	C12orf43 (3.1)	DDX28 (3.1)
0.98	>=0.20	MAP1A (4.0)	MPP2 (3.6)	GNAO1 (2.8)
0.98	>=0.20	RAPSN (7.7)	NOL3 (2.5)	HSF4 (2.3)
0.98	>=0.20	ADAL (3.7)	ZSCAN29 (3.3)	INTS10 (2.9)
0.98	>=0.20	ADAL (3.7)	ZSCAN29 (3.3)	INTS10 (2.9)
0.98	>=0.20	CES4A (4.9)	ENSG00000179523 (2	FRMD5 (2.8)
0.98	>=0.20	RBM6 (3.8)	ENSG00000181296 (3	MPP3 (3.0)
0.98	>=0.20	RAPSN (7.6)	NOL3 (2.6)	HSF4 (2.5)

0.98	>=0.20	TRPS1 (4.6)	FZD9 (3.4)	PPP1R1B (2.5)
0.98	>=0.20	PPY (3.0)	ENSG00000226334 (2	C11orf9 (2.4)
0.98	>=0.20	CTDSPL2 (3.8)	BAZ1B (3.8)	CTRL (3.3)
0.98	>=0.20	ENSG00000181123 (3	CES4A (2.9)	PARD6A (2.8)
0.98	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	NUTF2 (3.5)
0.98	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	NUTF2 (3.5)
0.98	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	NUTF2 (3.5)
0.98	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	NUTF2 (3.5)
0.98	>=0.20	ENSG00000229043 (3	ZFAND2A (3.6)	NUTF2 (3.5)
0.98	>=0.20	YDJC (3.5)	ZNF408 (3.2)	MON1A (2.6)
0.98	>=0.20	SNORD58C (3.4)	C12orf43 (2.9)	ZNF259 (2.7)
0.98	>=0.20	C12orf43 (3.6)	DYM (3.5)	COX19 (3.4)
0.98	>=0.20	NRBF2 (2.9)	CX3CL1 (2.6)	DGKG (2.5)
0.98	>=0.20	PGS1 (2.5)	CCDC18 (2.2)	NAGS (2.1)
0.98	>=0.20	TCAP (5.0)	RAPSN (4.6)	PACSIN3 (3.5)
0.99	>=0.20	MPP2 (3.8)	MAP1A (2.8)	TRPS1 (2.8)
0.99	>=0.20	OGFOD1 (3.7)	NUP93 (2.6)	SLC7A6 (2.5)
0.99	>=0.20	KIAA0754 (3.0)	HNF1A (2.7)	OR4A1P (2.4)
0.99	>=0.20	OR5I1 (3.1)	HSF4 (2.2)	C17orf105 (2.1)
0.99	>=0.20	PVRL2 (2.8)	CETP (2.8)	GFOD2 (2.6)
0.99	>=0.20	ENSG00000226334 (3	SNORD58C (3.0)	ZNF614 (2.2)
0.99	>=0.20	CCNDBP1 (4.0)	AMFR (3.4)	EYA3 (3.2)
0.99	>=0.20	CCDC11 (3.1)	C16orf86 (2.6)	ENSG00000255507 (2
0.99	>=0.20	ADAL (3.4)	CASC4 (3.0)	ENSG00000229043 (2
0.99	>=0.20	NDUFS3 (4.7)	COQ9 (4.3)	PDHB (3.9)
0.99	>=0.20	PSMC3 (2.7)	CKAP5 (2.4)	NUTF2 (2.4)
0.99	>=0.20	EIF3J (3.0)	CCNDBP1 (2.7)	COX19 (2.7)
0.99	>=0.20	TMEM101 (3.3)	CES4A (2.5)	RAPSN (2.4)
0.99	>=0.20	CASC4 (3.4)	BACE1 (3.0)	CPNE2 (2.9)
0.99	>=0.20	ZNF259 (3.8)	TOMM40 (3.0)	EIF3J (3.0)
0.99	>=0.20	BCL7B (3.5)	NCOA5 (2.4)	CCNDBP1 (2.3)
0.99	>=0.20	CATSPER2 (2.8)	MPP3 (2.4)	GNAO1 (2.3)
0.99	>=0.20	CCDC116 (2.8)	ENSG00000229043 (2	C17orf57 (2.5)
0.99	>=0.20	EIF3J (4.8)	ZNF259 (4.0)	ZNF335 (2.8)
0.99	>=0.20	MFAP1 (4.2)	C12orf65 (4.1)	WDR76 (3.8)
0.99	>=0.20	ENSG00000229043 (3	TGM5 (3.0)	C12orf65 (2.5)
0.99	>=0.20	ARID1A (2.5)	CYP26A1 (2.4)	ATG13 (2.1)
0.99	>=0.20	MYBPC3 (4.6)	FRMD5 (4.0)	ERBB2 (3.1)
0.99	>=0.20	PTPRZ1 (3.3)	FZD9 (2.3)	CPNE2 (2.3)
0.99	>=0.20	ZNF613 (2.4)	TNKS (2.4)	NPEPPS (2.1)
0.99	>=0.20	LRP4 (3.4)	BCAM (3.2)	CYP26A1 (2.8)
0.99	>=0.20	TGM7 (3.1)	OR5J2 (2.6)	TSNAXIP1 (2.6)
0.99	>=0.20	MON1A (3.1)	ZDHHC18 (2.8)	DOK4 (2.1)
0.99	>=0.20	MAP1A (4.3)	MPP2 (3.6)	GNAO1 (2.7)
0.99	>=0.20	PDE3A (2.4)	SLC12A4 (2.3)	GPER (2.2)
0.99	>=0.20	C1QTNF4 (3.0)	C17orf57 (2.6)	ENSG00000181123 (2
0.99	>=0.20	NUTF2 (3.1)	ENSG00000226334 (2	ENSG00000247867 (2
0.99	>=0.20	NUTF2 (3.1)	ENSG00000226334 (2	ENSG00000247867 (2
0.99	>=0.20	COQ9 (4.2)	ACAA2 (3.9)	PDHB (3.9)

0.99	>=0.20	DGKG (5.1)	LCAT (3.0)	LILRA3 (2.2)
0.99	>=0.20	DGKG (5.1)	LCAT (3.0)	LILRA3 (2.2)
0.99	>=0.20	C16orf86 (3.8)	EXOC3L1 (3.6)	B3GNT9 (3.4)
0.99	>=0.20	MYBPC3 (3.6)	DOK4 (3.2)	ERBB2 (2.9)
0.99	>=0.20	DEPDC1 (4.1)	SKA1 (3.5)	CKAP5 (3.1)
0.99	>=0.20	DEPDC1 (4.1)	SKA1 (3.5)	CKAP5 (3.1)
0.99	>=0.20	GNAO1 (3.4)	NEUROD2 (3.0)	MPP2 (3.0)
0.99	>=0.20	TRPS1 (4.2)	EPB42 (2.8)	PNMT (2.5)
0.99	>=0.20	B3GNT9 (4.6)	FZD9 (3.6)	ABCB9 (2.6)
0.99	>=0.20	MAP1A (3.9)	MPP2 (3.6)	TRNP1 (2.8)
0.99	>=0.20	OR5I1 (4.0)	RNF214 (2.3)	SETD8 (2.2)
0.99	>=0.20	ZSCAN29 (2.5)	ABHD6 (2.5)	ENSG00000254235 (2
0.99	>=0.20	BCAM (3.0)	RSPO3 (2.5)	C11orf9 (2.4)
0.99	>=0.20	PPP1R1B (3.9)	CX3CL1 (3.3)	SMPD3 (3.0)
0.99	>=0.20	SNORD58C (3.4)	NUTF2 (2.6)	ENSG00000226334 (2
0.99	>=0.20	ENSG00000226334 (3	SNORD58C (3.4)	NUTF2 (2.7)
0.99	>=0.20	CES4A (4.0)	BMP8A (3.8)	TMEM62 (3.0)
0.99	>=0.20	ENSG00000181296 (2	TGM5 (2.6)	C11orf9 (2.5)
0.99	>=0.20	SPI1 (3.4)	ENSG00000256746 (3	DPEP2 (3.3)
0.99	>=0.20	OASL (5.3)	TMEM62 (3.4)	MON1A (2.6)
0.99	>=0.20	NR0B2 (3.6)	ABCA8 (3.1)	ST3GAL4 (3.1)
0.99	>=0.20	SNORD58C (3.2)	ENSG00000226334 (2	FNBP4 (2.8)
0.99	>=0.20	INTS10 (3.6)	PRMT7 (3.3)	CXXC1 (2.9)
0.99	>=0.20	COQ9 (4.2)	NDUFS3 (4.2)	PDHB (4.0)
0.99	>=0.20	B3GNT9 (3.0)	OR4A1P (2.7)	ADAL (2.6)
0.99	>=0.20	C11orf9 (2.7)	BCAM (2.6)	RSPO3 (2.4)
0.99	>=0.20	MAP1A (4.6)	MPP2 (4.2)	RLTPR (3.2)
0.99	>=0.20	TGM7 (4.7)	MYO5B (3.6)	C1orf172 (3.2)
0.99	>=0.20	CASC4 (3.8)	TNKS (3.5)	NOL3 (2.7)
0.99	>=0.20	ENSG00000229043 (3	CYP26A1 (3.5)	OR5I1 (3.3)
0.99	>=0.20	OR5L2 (2.5)	ENSG00000182109 (2	SLC9A5 (2.2)
0.99	>=0.20	NCOA5 (3.6)	LCMT2 (2.6)	BUD13 (2.4)
0.99	>=0.20	HDAC5 (2.7)	FZD9 (2.2)	GPER (2.1)
0.99	>=0.20	OR5I1 (2.6)	ENSG00000182109 (2	ELMO3 (2.4)
0.99	>=0.20	UVRAG (3.4)	BCL7B (2.2)	PARD6A (2.2)
0.99	>=0.20	C12orf65 (3.4)	SETD8 (2.8)	CASC4 (2.6)
0.99	>=0.20	MYO5B (3.5)	MPP2 (3.2)	MAP1A (2.8)
0.99	>=0.20	TCAP (2.7)	MAP1A (2.6)	C11orf49 (2.6)
0.99	>=0.20	TRNP1 (3.4)	PDE3A (3.1)	HDAC5 (3.0)
0.99	>=0.20	FEN1 (4.8)	WDR76 (4.8)	NUP160 (3.6)
0.99	>=0.20	RAPSN (4.5)	TCAP (4.3)	DPEP2 (2.4)
0.99	>=0.20	DDX28 (4.4)	THAP11 (3.4)	KBTBD4 (2.5)
0.99	>=0.20	DDX28 (4.4)	THAP11 (3.4)	KBTBD4 (2.5)
0.99	>=0.20	OR5I1 (2.8)	PITPNM2 (2.5)	PPY (2.2)
0.99	>=0.20	OR5I1 (2.8)	PITPNM2 (2.5)	PPY (2.2)
0.99	>=0.20	TAGLN (4.6)	KCTD10 (3.5)	DOK4 (2.8)
0.99	>=0.20	GFOD2 (3.5)	PSMC3 (3.0)	RBPJ (2.7)
0.99	>=0.20	C16orf86 (3.2)	ZSCAN29 (3.1)	ENSG00000223745 (3
0.99	>=0.20	MAP1A (3.8)	MPP2 (3.5)	RLTPR (2.5)
0.99	>=0.20	MT1F (2.2)	MAP1A (2.2)	DGKG (2.2)

0.99 >=0.20	ZSCAN29 (2.6)	BMP8A (2.4)	CASC4 (2.2)
0.99 >=0.20	ZSCAN29 (2.6)	BMP8A (2.4)	CASC4 (2.2)
0.99 >=0.20	CCDC116 (4.0)	RLTPR (2.7)	UVRAG (2.6)
0.99 >=0.20	KIAA0895L (2.6)	KANK2 (2.4)	PARD6A (2.3)
0.99 >=0.20	PDE3A (4.2)	C18orf32 (2.8)	PPP1R1B (2.6)
0.99 >=0.20	RSPO3 (3.8)	HNF1A (3.3)	ENSG00000179523 (2
0.99 >=0.20	SNORD58C (3.2)	NUTF2 (3.1)	ENSG00000226334 (2
0.99 >=0.20	SPRYD5 (3.7)	PNMT (2.8)	GRB7 (2.7)
0.99 >=0.20	CCL22 (3.0)	LILRA3 (3.0)	COBLL1 (2.9)
0.99 >=0.20	DPEP3 (4.2)	PLEKHG4 (4.1)	KCTD19 (2.6)
0.99 >=0.20	DPEP3 (2.8)	NFATC3 (2.7)	SCARB1 (2.4)
0.99 >=0.20	MPP2 (3.6)	MAP1A (3.2)	NEUROD2 (2.8)
0.99 >=0.20	FNBP4 (2.1)	EIF3J (2.1)	UBE2L3 (2.0)
0.99 >=0.20	PLTP (2.2)	MPP2 (1.8)	SCARB1 (1.7)
0.99 >=0.20	NUTF2 (2.6)	C12orf43 (2.4)	SNORD58C (2.3)
0.99 >=0.20	KLHL8 (2.7)	PARD6A (2.5)	RSPRY1 (2.2)
0.99 >=0.20	TCAP (5.1)	MYBPC3 (4.3)	TAGLN (3.4)
0.99 >=0.20	KCTD10 (4.4)	TAGLN (3.4)	KANK2 (2.7)
0.99 >=0.20	WDR76 (5.4)	CCDC18 (4.4)	FEN1 (4.2)
0.99 >=0.20	KLF14 (3.4)	OR5I1 (3.1)	TGM5 (2.5)
0.99 >=0.20	OR5I1 (2.6)	HNF1A (2.6)	ELMO3 (2.4)
0.99 >=0.20	C1orf172 (2.8)	GRB7 (2.8)	SLC12A3 (2.6)
0.99 >=0.20	FAM192A (3.6)	SLC7A6OS (3.4)	TRADD (3.1)
0.99 >=0.20	FAM192A (3.6)	SLC7A6OS (3.4)	TRADD (3.1)
0.99 >=0.20	ENSG00000181296 (4	OR5L2 (4.1)	OR4A1P (2.6)
0.99 >=0.20	PITPNM2 (2.9)	OR5L2 (2.7)	OR5I1 (2.6)
0.99 >=0.20	MAP1A (4.4)	MPP2 (3.1)	TRNP1 (2.8)
0.99 >=0.20	TAGLN (5.0)	PDE3A (3.3)	ZNF615 (2.0)
0.99 >=0.20	TECTB (3.8)	FZD9 (3.0)	SOST (2.8)
0.99 >=0.20	SOST (3.0)	RSPO3 (2.5)	KLF14 (2.4)
0.99 >=0.20	BUD13 (2.5)	ZNF259 (2.4)	INTS10 (2.4)
0.99 >=0.20	ENSG00000181123 (3	ENSG00000179523 (2	C7orf50 (2.5)
0.99 >=0.20	WDR76 (4.0)	C16orf48 (3.8)	CTDSPL2 (3.6)
0.99 >=0.20	DNAH10 (5.1)	ENSG00000223745 (2	CYP2W1 (2.6)
0.99 >=0.20	NUP160 (2.5)	ZNF350 (2.4)	DCPS (2.4)
0.99 >=0.20	TNKS (3.6)	CASC4 (3.4)	NOL3 (3.1)
0.99 >=0.20	EIF3J (2.4)	UBE2L3 (2.0)	NUTF2 (2.0)
0.99 >=0.20	SNX10 (2.6)	HSF4 (2.3)	ENSG00000254235 (2
0.99 >=0.20	HNF1A (3.3)	RSPO3 (3.1)	TGM5 (2.8)
0.99 >=0.20	DYM (3.6)	EIF3J (3.3)	C12orf43 (3.1)
0.99 >=0.20	C16orf86 (2.8)	ENSG00000179523 (2	ENSG00000226334 (2
0.99 >=0.20	PNMT (4.6)	TGM7 (3.4)	ZNF615 (3.1)
0.99 >=0.20	MAP1A (4.0)	MPP2 (3.9)	TRNP1 (2.9)
0.99 >=0.20	OR5J2 (3.5)	PDE3A (2.5)	ENSG00000236267 (2
0.99 >=0.20	KLF14 (3.2)	OR5J2 (2.6)	ENSG00000256746 (2
0.99 >=0.20	TCAP (3.6)	TAGLN (2.6)	PACSIN3 (2.5)
0.99 >=0.20	MAP1A (3.8)	MPP2 (3.6)	C1QTNF4 (2.3)
0.99 >=0.20	FEN1 (5.6)	WDR76 (5.4)	DDB2 (4.1)
0.99 >=0.20	CES4A (4.3)	CYP26A1 (3.5)	TGM7 (3.1)
0.99 >=0.20	DYM (3.1)	ADAL (2.4)	NUP160 (2.2)

0.99	>=0.20	LRRC29 (5.4)	HSF4 (3.7)	ENSG00000181123 (2
0.99	>=0.20	TECTB (4.1)	SOST (2.9)	STRC (2.9)
0.99	>=0.20	TCAP (6.5)	PACSIN3 (3.8)	RAPSN (3.6)
0.99	>=0.20	KLF14 (2.5)	C17orf105 (2.5)	CASC4 (2.3)
0.99	>=0.20	RAPSN (7.3)	MACF1 (2.4)	ABCA8 (2.3)
0.99	>=0.20	HERPUD1 (3.6)	DUS2L (3.5)	OGFOD1 (3.0)
0.99	>=0.20	RNF214 (5.1)	CCDC18 (4.1)	PCSK7 (3.9)
0.99	>=0.20	RNF214 (5.1)	CCDC18 (4.1)	PCSK7 (3.9)
0.99	>=0.20	PDE3A (2.8)	OR5I1 (2.6)	CYP26A1 (2.3)
0.99	>=0.20	ZNF259 (3.8)	C7orf50 (3.7)	LCMT2 (3.4)
0.99	>=0.20	SLC7A6OS (3.4)	STRC (3.2)	C12orf43 (3.0)
0.99	>=0.20	SETD8 (3.3)	ENSG00000247867 (2	ENSG00000226334 (2
0.99	>=0.20	TRPS1 (3.3)	PNMT (2.5)	ARID1A (2.4)
0.99	>=0.20	ENSG00000229043 (3	NUTF2 (3.6)	ZFAND2A (3.4)
0.99	>=0.20	CCDC18 (4.2)	CKAP5 (3.5)	BUD13 (3.0)
0.99	>=0.20	CCDC18 (4.2)	CKAP5 (3.5)	BUD13 (3.0)
0.99	>=0.20	OR5L2 (4.1)	WDR76 (3.5)	CES4A (3.2)
0.99	>=0.20	CYP2W1 (3.2)	MACF1 (3.0)	ARHGAP1 (2.6)
0.99	>=0.20	KIAA0895L (3.1)	ENSG00000226334 (3	TP53BP1 (2.3)
0.99	>=0.20	NUTF2 (4.0)	ZFAND2A (3.5)	ENSG00000229043 (3
0.99	>=0.20	ENSG00000181123 (2	ABCA8 (2.4)	OR5J2 (2.4)
0.99	>=0.20	CCDC18 (5.9)	CASC4 (3.7)	CKAP5 (3.6)
0.99	>=0.20	RAPSN (4.1)	TMEM101 (2.4)	KLF14 (2.3)
0.99	>=0.20	ZNF259 (4.3)	TOMM40 (3.1)	PRMT7 (3.1)
0.99	>=0.20	XKR8 (4.1)	TRADD (3.1)	CES4A (3.0)
0.99	>=0.20	BMP8A (3.6)	ENSG00000255507 (3	STRC (2.4)
0.99	>=0.20	C17orf105 (2.7)	COBLL1 (2.6)	OR5I1 (2.4)
0.99	>=0.20	RBM6 (3.2)	ZFAND2A (3.2)	HSF4 (3.1)
0.99	>=0.20	MPP3 (3.3)	MADD (3.3)	GNAO1 (2.9)
0.99	>=0.20	CCDC116 (2.8)	ENSG00000229043 (2	C17orf57 (2.4)
0.99	>=0.20	C1QTNF4 (3.5)	TBKBP1 (3.3)	MAP1A (2.8)
0.99	>=0.20	MAP1A (2.9)	FZD9 (2.7)	KCTD6 (2.7)
0.99	>=0.20	DOK4 (3.4)	RSPO3 (2.8)	TGM7 (2.8)
0.99	>=0.20	CITED2 (2.9)	HSF4 (2.2)	TRPS1 (2.0)
0.99	>=0.20	GNAO1 (3.2)	PLEKHG4 (2.6)	TMEM62 (2.4)
0.99	>=0.20	HNF1A (3.0)	G6PC3 (2.4)	ELMO3 (2.3)
0.99	>=0.20	ZSCAN29 (3.5)	C7orf50 (3.5)	LCMT2 (3.1)
0.99	>=0.20	KPNB1 (2.9)	TOMM40 (2.5)	PRMT7 (2.4)
0.99	>=0.20	EIF3J (4.0)	C18orf32 (3.4)	COX19 (2.9)
0.99	>=0.20	SLC12A4 (4.1)	SLC7A6 (3.6)	TAGLN (3.1)
0.99	>=0.20	PYY (2.4)	MYO5B (2.2)	PDE3A (2.1)
0.99	>=0.20	ST3GAL4 (3.1)	TBKBP1 (3.0)	GPR146 (2.9)
0.99	>=0.20	PACSIN3 (3.2)	ATG13 (2.9)	CCDC92 (2.5)
0.99	>=0.20	AGBL2 (3.4)	OR5J2 (2.4)	OR4A1P (2.4)
0.99	>=0.20	PCSK7 (3.1)	TRNP1 (2.7)	KCTD10 (2.5)
0.99	>=0.20	DGKG (4.4)	CX3CL1 (3.5)	CPNE2 (3.4)
0.99	>=0.20	DDB2 (4.2)	KLHL8 (2.3)	KBTBD4 (2.2)
0.99	>=0.20	MYBPC3 (4.4)	DOK4 (3.5)	FRMD5 (3.5)
0.99	>=0.20	CCDC18 (6.1)	MPHOSPH9 (3.8)	CKAP5 (3.5)
0.99	>=0.20	KCTD19 (4.2)	ZSCAN29 (3.4)	OR4A21P (3.2)

0.99	>=0.20	TRPS1 (4.8)	FZD9 (3.5)	RSPO3 (2.8)
0.99	>=0.20	DOK4 (3.4)	SOST (3.1)	DNAH10 (2.8)
0.99	>=0.20	ENSG00000181296 (3	CASC4 (2.4)	ZSCAN29 (2.3)
0.99	>=0.20	TSNAXIP1 (8.1)	AGBL2 (8.1)	CCDC11 (6.2)
0.99	>=0.20	TAGLN (3.0)	DGKG (2.9)	ZFAND2A (2.7)
0.99	>=0.20	LCMT2 (4.5)	DDX28 (3.5)	C12orf43 (3.1)
0.99	>=0.20	DPEP3 (4.8)	KIAA0754 (2.9)	EYA3 (2.6)
0.99	>=0.20	SPRYD5 (3.6)	BMP8A (3.3)	LRRC29 (2.9)
0.99	>=0.20	BCAM (3.3)	HSF4 (2.4)	C1orf172 (2.3)
0.99	>=0.20	ENSG00000247867 (3	GPER (2.8)	DPEP2 (2.5)
0.99	>=0.20	NUTF2 (4.3)	FAM192A (2.9)	DDB2 (2.9)
0.99	>=0.20	RLTPR (3.6)	ZNF614 (2.4)	LILRA3 (2.2)
0.99	>=0.20	RLTPR (3.6)	ZNF614 (2.4)	LILRA3 (2.2)
0.99	>=0.20	AFF1 (3.2)	CASC4 (3.2)	ENSG00000256746 (2
0.99	>=0.20	COX19 (4.3)	NDUFS3 (4.0)	PTPMT1 (3.4)
0.99	>=0.20	SNORD58C (3.3)	NUTF2 (2.9)	ENSG00000226334 (2
0.99	>=0.20	DPEP3 (2.5)	C11orf49 (2.0)	KCTD6 (1.9)
0.99	>=0.20	OR5L2 (9.0)	ENSG00000181296 (6	OR4A1P (5.1)
0.99	>=0.20	TCAP (9.9)	PACSIN3 (3.9)	RAPSN (3.9)
0.99	>=0.20	KIAA0754 (4.1)	RSPRY1 (2.7)	INTS10 (2.2)
0.99	>=0.20	C16orf48 (4.0)	WDR76 (3.5)	CCDC18 (3.3)
0.99	>=0.20	CCL22 (3.0)	LILRA3 (2.9)	CD40 (2.4)
0.99	>=0.20	HSF4 (4.6)	ENSG00000226334 (3	NOL3 (2.8)
0.99	>=0.20	RBM6 (3.9)	ZSCAN29 (3.0)	MPP3 (2.6)
0.99	>=0.20	AGBL2 (4.0)	TSNAXIP1 (3.9)	CCDC11 (3.7)
0.99	>=0.20	PVRL2 (3.9)	TAGLN (3.7)	MACF1 (2.6)
0.99	>=0.20	SNORD58C (3.6)	NUTF2 (3.0)	ENSG00000226334 (3
0.99	>=0.20	XKR8 (3.5)	OR5I1 (2.8)	ENSG00000247867 (2
0.99	>=0.20	SNORD58C (3.4)	NUTF2 (3.0)	ENSG00000226334 (2
0.99	>=0.20	CCDC18 (5.0)	RNF214 (4.5)	PCSK7 (3.5)
0.99	>=0.20	CCDC18 (3.8)	DPEP3 (3.6)	WDR76 (3.3)
0.99	>=0.20	SOST (3.1)	RNF214 (3.1)	OR5J2 (2.9)
0.99	>=0.20	BMP8A (3.4)	SPRYD5 (3.1)	LRRC29 (2.6)
0.99	>=0.20	C17orf105 (5.2)	ENSG00000255507 (2	C16orf86 (2.6)
0.99	>=0.20	GPER (3.3)	KLHL8 (3.0)	SPRYD5 (2.9)
0.99	>=0.20	SNORD58C (3.4)	NUTF2 (2.7)	ENSG00000226334 (2
0.99	>=0.20	NUTF2 (3.7)	ENSG00000229043 (3	ZFAND2A (3.3)
0.99	>=0.20	ENSG00000223745 (2	PSMC3 (2.5)	EIF3J (2.4)
0.99	>=0.20	BCL7B (3.1)	KBTBD4 (3.0)	MED1 (2.6)
0.99	>=0.20	OASL (4.1)	MPP3 (3.3)	TMEM62 (2.9)
0.99	>=0.20	ZFAND2A (3.6)	NUTF2 (3.5)	ENSG00000229043 (3
0.99	>=0.20	ZFAND2A (3.6)	NUTF2 (3.5)	ENSG00000229043 (3
0.99	>=0.20	OR5L2 (3.9)	WDR76 (3.7)	ACD (3.4)
0.99	>=0.20	SDF2L1 (5.4)	PDIA3 (4.4)	LSM12 (3.1)
0.99	>=0.20	TOMM40 (3.1)	PTPMT1 (2.5)	EIF3J (2.3)
0.99	>=0.20	DUS2L (3.5)	DDX28 (3.4)	YDJC (3.3)
0.99	>=0.20	PCIF1 (3.9)	NUP160 (3.0)	CTDSPL2 (2.9)
0.99	>=0.20	MAP1A (4.1)	MPP2 (4.0)	NEUROD2 (2.8)
0.99	>=0.20	MAP1A (3.7)	MPP2 (2.8)	TRNP1 (2.6)
0.99	>=0.20	MPP2 (3.7)	MAP1A (3.6)	TRNP1 (2.8)

0.99	>=0.20	ENSG00000229043 (3	C17orf105 (2.5)	TSNAXIP1 (2.4)
0.99	>=0.20	TMEM208 (3.8)	REEP3 (3.2)	CLPTM1 (3.0)
0.99	>=0.20	CCDC116 (2.6)	COBLL1 (2.3)	KLF14 (2.1)
0.99	>=0.20	SNORD58C (3.8)	NUTF2 (2.7)	ENSG00000226334 (2
0.99	>=0.20	CASC4 (3.6)	TNKS (3.5)	C17orf105 (3.2)
0.99	>=0.20	SNORD58C (3.6)	ZNF259 (3.2)	NUTF2 (2.5)
0.99	>=0.20	MYO5B (3.0)	LRRC29 (2.6)	OR4A21P (2.6)
0.99	>=0.20	BBS2 (2.9)	C16orf48 (2.3)	ADAL (2.0)
0.99	>=0.20	ENSG00000229043 (2	TGM5 (2.6)	DOK4 (2.4)
0.99	>=0.20	DGKG (4.2)	NEUROD2 (2.7)	MPP2 (2.6)
0.99	>=0.20	PITPNM2 (3.4)	GNAO1 (3.4)	MPP2 (3.1)
0.99	>=0.20	AGBL2 (3.9)	TSNAXIP1 (3.7)	CCDC11 (3.5)
0.99	>=0.20	C18orf32 (4.1)	CCNDBP1 (3.1)	BBS2 (3.0)
0.99	>=0.20	SDF2L1 (6.5)	PDIA3 (5.2)	TMEM208 (5.0)
0.99	>=0.20	OR4A1P (4.2)	CCDC18 (4.1)	SETD8 (3.2)
0.99	>=0.20	GRB7 (4.7)	PNMT (3.6)	PGAP3 (3.5)
0.99	>=0.20	RAPSN (6.5)	TCAP (6.3)	PACSIN3 (3.5)
0.99	>=0.20	SNORD58C (3.3)	ENSG00000226334 (3	NUTF2 (2.7)
0.99	>=0.20	SNORD58C (3.3)	ENSG00000226334 (3	NUTF2 (2.7)
0.99	>=0.20	SNORD58C (3.3)	ENSG00000226334 (3	NUTF2 (2.7)
0.99	>=0.20	ENSG00000226334 (2	GNAO1 (1.7)	TMEM101 (1.7)
0.99	>=0.20	CCDC18 (4.2)	C16orf48 (3.2)	MPHOSPH9 (2.7)
0.99	>=0.20	ZFAND2A (6.9)	SDF2L1 (5.6)	HERPUD1 (4.9)
0.99	>=0.20	DEPDC1 (4.1)	SKA1 (3.6)	CKAP5 (3.4)
0.99	>=0.20	SNORD58C (3.8)	NUTF2 (2.4)	KPNB1 (2.4)
0.99	>=0.20	OASL (5.6)	MPP3 (3.5)	BUD13 (3.0)
0.99	>=0.20	BCAM (3.4)	C11orf9 (2.7)	ENSG00000179523 (2
0.99	>=0.20	BCAM (3.4)	C11orf9 (2.7)	ENSG00000179523 (2
0.99	>=0.20	PSMC3 (3.0)	KPNB1 (2.8)	ZNF259 (2.5)
0.99	>=0.20	MFAP1 (2.6)	EIF3J (2.6)	FNBP4 (2.5)
0.99	>=0.20	NUTF2 (3.2)	ZNF259 (2.9)	SNORD58C (2.8)
0.99	>=0.20	WDR76 (3.6)	NUP160 (3.1)	DCPS (2.9)
0.99	>=0.20	OR4A21P (3.3)	ENSG00000236267 (2	RLTPR (2.5)
0.99	>=0.20	RAPSN (5.4)	OR4A1P (2.8)	OR5J2 (2.3)
0.99	>=0.20	C1QTNF4 (2.4)	TGM5 (2.4)	GNAO1 (2.3)
0.99	>=0.20	NEUROD2 (4.7)	GNAO1 (3.1)	CCDC116 (2.7)
0.99	>=0.20	RAPSN (6.4)	ETV5 (4.7)	GRB7 (3.9)
0.99	>=0.20	PGS1 (3.3)	C1orf172 (3.0)	MST1R (2.8)
0.99	>=0.20	SNORD58C (3.3)	ENSG00000226334 (3	NUTF2 (2.5)
0.99	>=0.20	FEN1 (2.3)	EIF3J (2.3)	MPHOSPH9 (2.1)
0.99	>=0.20	TNKS (2.9)	UBE3B (2.6)	ERBB2 (2.1)
0.99	>=0.20	PDHB (2.4)	MPP2 (2.4)	C11orf49 (2.1)
0.99	>=0.20	ENSG00000226334 (2	FZD9 (2.7)	PTPRZ1 (2.6)
0.99	>=0.20	PSMC3 (3.8)	KPNB1 (2.4)	C11orf49 (2.0)
0.99	>=0.20	PSMC3 (3.8)	KPNB1 (2.4)	C11orf49 (2.0)
0.99	>=0.20	PCSK7 (3.3)	TRNP1 (2.8)	MYO5B (2.6)
0.99	>=0.20	MAP1A (2.8)	CELSR2 (2.7)	ABCB9 (2.7)
0.99	>=0.20	NEUROD2 (3.6)	PITPNM2 (3.0)	ZNF613 (2.5)
0.99	>=0.20	PAFAH1B2 (3.8)	RNF214 (2.6)	CCDC18 (2.5)
0.99	>=0.20	CCL22 (2.8)	BMP8A (2.6)	ENSG00000226334 (2

0.99	>=0.20	DUSP3 (2.9)	MACF1 (2.8)	KCTD10 (2.7)
0.99	>=0.20	PPP1R1B (4.4)	GNAO1 (2.5)	MPP2 (2.4)
0.99	>=0.20	ZFAND2A (7.0)	SDF2L1 (5.5)	HERPUD1 (4.8)
0.99	>=0.20	OR5I1 (2.3)	CYP26A1 (2.2)	ZNF664 (1.9)
0.99	>=0.20	OR5I1 (3.1)	XKR8 (3.0)	OASL (3.0)
0.99	>=0.20	MAP1A (3.7)	MPP2 (3.5)	MYO5B (2.3)
0.99	>=0.20	ZFAND2A (4.8)	SNORD58C (3.4)	AGBL2 (3.1)
0.99	>=0.20	ENSG00000256746 (2	HNF1A (2.6)	PPP1R1B (2.3)
0.99	>=0.20	MT1F (3.2)	CCDC11 (3.1)	MT1G (3.0)
0.99	>=0.20	HNF1A (3.3)	G6PC3 (2.5)	SMPD3 (2.5)
0.99	>=0.20	TECTB (4.2)	CYP2W1 (3.0)	CASC4 (2.8)
0.99	>=0.20	TNKS (2.5)	ERBB2 (2.4)	C1orf172 (2.3)
0.99	>=0.20	MAP1A (3.9)	MPP2 (3.1)	RLTPR (2.8)
0.99	>=0.20	ZNF259 (4.5)	TOMM40 (3.4)	EIF3J (3.0)
0.99	>=0.20	DYM (2.8)	ZNF350 (2.5)	NUP160 (2.4)
0.99	>=0.20	TGM7 (4.2)	MYO5B (3.5)	C1orf172 (3.1)
0.99	>=0.20	CCDC18 (5.6)	CKAP5 (3.9)	MPHOSPH9 (3.6)
0.99	>=0.20	CATSPER2 (4.3)	NEUROD2 (4.0)	KIAA0895L (3.2)
0.99	>=0.20	PSMC3 (3.0)	C12orf43 (2.8)	MED1 (2.7)
0.99	>=0.20	NUTF2 (3.3)	YDJC (3.2)	LCMT2 (2.7)
0.99	>=0.20	NUTF2 (3.3)	YDJC (3.2)	LCMT2 (2.7)
0.99	>=0.20	LRP4 (3.2)	BCAM (3.1)	CYP26A1 (2.8)
0.99	>=0.20	LRP4 (3.2)	BCAM (3.1)	CYP26A1 (2.8)
0.99	>=0.20	LRP4 (3.2)	BCAM (3.1)	CYP26A1 (2.8)
0.99	>=0.20	EPB42 (7.4)	RANBP10 (4.5)	SEC14L4 (4.4)
0.99	>=0.20	EPB42 (7.4)	RANBP10 (4.5)	SEC14L4 (4.4)
0.99	>=0.20	DDB2 (3.7)	C17orf57 (2.4)	ZNF350 (2.4)
0.99	>=0.20	MPP3 (3.1)	NEUROD2 (2.4)	PLEKHG4 (2.4)
0.99	>=0.20	CPNE2 (2.6)	ENSG00000223745 (2	BACE1 (2.3)
0.99	>=0.20	ENSG00000226334 (3	NUTF2 (2.8)	SNORD58C (2.7)
0.99	>=0.20	TBKBP1 (2.9)	ZNF664 (2.9)	DPEP3 (2.5)
0.99	>=0.20	RAPSN (4.2)	CES4A (3.0)	HNF1A (2.4)
0.99	>=0.20	OR4A21P (2.9)	ABCA8 (2.9)	ENSG00000181296 (2
0.99	>=0.20	NEUROD2 (3.0)	RLTPR (2.6)	MPP2 (2.5)
0.99	>=0.20	SNORD58C (3.9)	NUTF2 (2.7)	ENSG00000226334 (2
0.99	>=0.20	GALNT2 (3.0)	SIDT2 (3.0)	TMEM101 (2.7)
0.99	>=0.20	ENSG00000226334 (3	SNORD58C (3.1)	NUTF2 (2.9)
0.99	>=0.20	MPP3 (3.7)	GNAO1 (3.4)	NEUROD2 (2.7)
0.99	>=0.20	AMBRA1 (3.0)	PCIF1 (2.9)	ZNF335 (2.4)
0.99	>=0.20	WDR76 (3.8)	DDB2 (3.6)	FEN1 (3.3)
0.99	>=0.20	TGM5 (2.5)	PNMT (2.4)	PPIP5K1 (2.4)
0.99	>=0.20	C16orf86 (2.4)	ENSG00000226334 (1	ENSG00000179523 (1
0.99	>=0.20	RAPSN (5.5)	ERBB2 (2.5)	RSPO3 (2.4)
0.99	>=0.20	TAGLN (5.2)	RSPO3 (4.1)	NEUROD2 (3.0)
0.99	>=0.20	BCL7B (3.6)	MPHOSPH9 (2.3)	CITED2 (2.2)
0.99	>=0.20	WDR76 (3.4)	TUBGCP4 (3.0)	ABHD6 (2.9)
0.99	>=0.20	TRADD (3.2)	UBE3B (3.2)	C16orf70 (3.2)
0.99	>=0.20	PCSK7 (3.7)	TRNP1 (2.9)	BCL7B (2.6)
0.99	>=0.20	MAP1A (3.9)	MPP2 (3.5)	TRNP1 (2.8)
0.99	>=0.20	PDE3A (2.8)	ENSG00000236267 (2	OR5J2 (2.5)

0.99	>=0.20	PPIP5K1 (2.9)	SDF2L1 (2.6)	MAP1A (2.5)
0.99	>=0.20	DOK4 (4.1)	ENSG00000226334 (3	MYBPC3 (3.1)
0.99	>=0.20	WDR76 (4.6)	C16orf48 (3.7)	CTDSPL2 (3.4)
0.99	>=0.20	KANK2 (3.5)	ETV5 (3.3)	TRPS1 (3.3)
0.99	>=0.20	CCDC116 (3.9)	RLTPR (2.9)	UVRAG (2.4)
0.99	>=0.20	DPEP2 (3.4)	SPI1 (3.3)	ENSG00000256746 (3
0.99	>=0.20	SOST (3.0)	CYP26A1 (2.6)	FZD9 (2.1)
0.99	>=0.20	EPB42 (4.9)	SEC14L4 (4.0)	RANBP10 (3.8)
0.99	>=0.20	LCMT2 (3.2)	YDJC (3.1)	NUTF2 (2.8)
0.99	>=0.20	DYM (3.0)	AMFR (2.8)	PSMC3 (2.0)
0.99	>=0.20	MYO5B (2.3)	HARBI1 (2.0)	ZNF408 (1.9)
0.99	>=0.20	OR5L2 (6.3)	ENSG00000181296 (4	STRC (3.2)
0.99	>=0.20	BUD13 (2.4)	UBR1 (2.3)	UBE3B (2.3)
0.99	>=0.20	SPI1 (3.2)	ENSG00000256746 (3	DPEP2 (2.8)
0.99	>=0.20	MST1R (2.8)	SFN (2.6)	CCL22 (2.6)
0.99	>=0.20	OASL (4.4)	XKR8 (3.7)	TRADD (3.3)
0.99	>=0.20	OR5I1 (3.5)	HNF1A (2.9)	ELMO3 (2.6)
0.99	>=0.20	MTF2 (3.4)	NCOA5 (3.2)	ZNF613 (3.1)
0.99	>=0.20	RAPSN (5.4)	PACSIN3 (3.6)	IGF2R (2.6)
0.99	>=0.20	TCAP (8.5)	MYBPC3 (6.1)	PACSIN3 (5.0)
0.99	>=0.20	C16orf48 (2.9)	C17orf105 (2.8)	THAP11 (2.7)
0.99	>=0.20	SOST (2.8)	CYP26A1 (2.8)	ENSG00000254235 (2
0.99	>=0.20	RAPSN (5.2)	TGM7 (2.2)	FZD9 (1.9)
0.99	>=0.20	CYP2W1 (4.4)	TRNP1 (4.1)	C17orf57 (4.0)
0.99	>=0.20	SOST (2.8)	OR5J2 (2.8)	EXOC3L1 (2.4)
0.99	>=0.20	PSMC3 (4.7)	PRMT7 (2.8)	MTCH2 (2.8)
0.99	>=0.20	LILRA3 (3.2)	CCL22 (3.2)	CD40 (2.6)
0.99	>=0.20	MPP2 (2.7)	GNAO1 (2.7)	PPP1R1B (2.6)
0.99	>=0.20	ENSG00000226334 (3	SNORD58C (3.2)	NUTF2 (2.5)
0.99	>=0.20	RSPO3 (3.1)	ENSG00000247867 (2	DNAH10 (2.4)
0.99	>=0.20	MPP2 (3.7)	TRNP1 (3.4)	CATSPER2 (3.1)
0.99	>=0.20	CASC4 (3.6)	WDR76 (3.0)	CTDSPL2 (2.3)
0.99	>=0.20	TCAP (9.4)	PACSIN3 (4.8)	MYBPC3 (4.1)
0.99	>=0.20	TNKS (2.6)	ZNF664 (2.4)	ERBB2 (2.3)
0.99	>=0.20	STRC (3.2)	DPEP2 (2.9)	DPEP3 (2.7)
0.99	>=0.20	PNMT (3.9)	PLEKHG4 (3.3)	DGKG (2.8)
0.99	>=0.20	PYY (3.2)	PPP1R1B (2.6)	CX3CL1 (2.5)
0.99	>=0.20	PPIP5K1 (2.7)	KLF14 (2.5)	TOMM40 (2.4)
0.99	>=0.20	RLTPR (3.1)	RAB11B (2.4)	GFOD2 (2.2)
0.99	>=0.20	NEUROD2 (3.0)	MAP1A (3.0)	C1QTNF4 (2.9)
0.99	>=0.20	C11orf9 (3.0)	BMP8A (2.6)	DOK4 (2.6)
0.99	>=0.20	RAPSN (4.2)	CES4A (2.9)	HNF1A (2.5)
0.99	>=0.20	FEN1 (4.8)	WDR76 (4.4)	DDB2 (4.4)
0.99	>=0.20	STRC (3.3)	SLC7A6OS (3.2)	MFAP1 (3.0)
0.99	>=0.20	DPEP3 (4.8)	PLEKHG4 (4.3)	KCTD19 (2.2)
0.99	>=0.20	ENSG00000247867 (2	ENSG00000182109 (2	ENSG00000179523 (2
0.99	>=0.20	DPEP3 (5.9)	PLEKHG4 (4.9)	KCTD19 (3.3)
0.99	>=0.20	MAP1A (4.1)	MPP2 (3.7)	NEUROD2 (2.9)
0.99	>=0.20	CBFB (3.5)	DR1 (3.0)	MTF2 (2.7)
0.99	>=0.20	DYM (4.3)	ACD (3.2)	PRMT7 (2.8)

0.99	>=0.20	RAPSN (3.5)	CYP26A1 (3.4)	RSPO3 (2.5)
0.99	>=0.20	REEP3 (2.6)	GPN2 (2.5)	OGFOD1 (2.5)
0.99	>=0.20	CYP26A1 (3.1)	RSPO3 (2.9)	DOK4 (2.7)
0.99	>=0.20	GNAO1 (4.2)	MPP3 (4.1)	MPP2 (3.7)
0.99	>=0.20	DOK4 (3.6)	ENSG00000226334 (3	MYBPC3 (2.8)
0.99	>=0.20	MADD (3.4)	MAP1A (3.3)	MPP2 (2.6)
0.99	>=0.20	CYP26A1 (3.5)	TGM7 (3.1)	LRP4 (3.1)
0.99	>=0.20	SNORD58C (3.2)	NUTF2 (3.0)	ENSG00000226334 (2
0.99	>=0.20	PTPRZ1 (3.3)	AGBL2 (2.9)	LRRC29 (2.6)
0.99	>=0.20	DPEP3 (5.8)	PLEKHG4 (4.7)	CCDC18 (3.5)
0.99	>=0.20	ENSG00000226334 (2	SNORD58C (2.8)	NUTF2 (2.7)
0.99	>=0.20	MAP1A (5.5)	GNAO1 (4.4)	MPP2 (3.6)
0.99	>=0.20	C16orf86 (2.7)	ENSG00000226334 (2	PPP1R1B (2.4)
0.99	>=0.20	SNORD58C (3.2)	ENSG00000226334 (3	NUTF2 (2.8)
0.99	>=0.20	SNORD58C (3.2)	FNBP4 (2.4)	ENSG00000226334 (2
0.99	>=0.20	ENSG00000181296 (3	BMP8A (2.4)	OR5I1 (2.0)
0.99	>=0.20	ENSG00000236267 (2	OR4A1P (2.7)	SETD8 (2.3)
0.99	>=0.20	OR4A1P (3.2)	KCTD19 (3.0)	SLC9A5 (2.8)
0.99	>=0.20	NEUROD2 (4.1)	MPP2 (3.1)	GNAO1 (2.9)
0.99	>=0.20	RAPSN (6.1)	KANK2 (3.4)	TCAP (3.0)
0.99	>=0.20	NUTF2 (3.6)	YDJC (2.7)	SEC14L4 (2.1)
0.99	>=0.20	CTDSPL2 (3.9)	C16orf48 (3.7)	WDR76 (3.5)
0.99	>=0.20	SPG11 (4.2)	HERPUD1 (4.2)	OGFOD1 (3.5)
0.99	>=0.20	C11orf9 (3.2)	LRP4 (2.8)	FRMD5 (2.8)
0.99	>=0.20	C11orf9 (3.2)	LRP4 (2.8)	FRMD5 (2.8)
0.99	>=0.20	MAP1A (3.5)	MPP2 (3.4)	C1QTNF4 (3.0)
0.99	>=0.20	TECTB (2.8)	GPR146 (2.3)	TGM7 (2.3)
0.99	>=0.20	TECTB (2.8)	GPR146 (2.3)	TGM7 (2.3)
0.99	>=0.20	TECTB (2.8)	GPR146 (2.3)	TGM7 (2.3)
0.99	>=0.20	OR5J2 (3.7)	OR4A1P (3.0)	CCDC18 (2.7)
0.99	>=0.20	MAP1A (3.9)	ENSG00000236267 (3	TP53BP1 (3.1)
0.99	>=0.20	HNF1A (3.7)	RSPO3 (3.1)	TGM5 (3.0)
0.99	>=0.20	TUBGCP4 (2.7)	BAZ1B (2.6)	RBM5 (2.2)
0.99	>=0.20	KCTD6 (3.2)	BUD13 (2.7)	ACD (2.4)
0.99	>=0.20	TNKS (2.5)	ERBB2 (2.4)	ZNF664 (2.2)
0.99	>=0.20	PTPRJ (2.5)	CELF1 (2.4)	ENSG00000181123 (2
1	>=0.20	NEUROD2 (3.7)	RLTPR (2.4)	MAP1A (2.3)
1	>=0.20	CES4A (3.1)	TMEM175 (2.4)	C1QTNF4 (2.3)
1	>=0.20	ENSG00000226334 (2	AFF1 (2.1)	KCTD6 (1.8)
1	>=0.20	CCDC18 (6.5)	MPHOSPH9 (3.9)	DPEP3 (3.7)
1	>=0.20	SLC12A3 (2.7)	ERBB2 (2.3)	GRB7 (2.3)
1	>=0.20	RAPSN (5.5)	PACSIN3 (3.7)	TCAP (2.6)
1	>=0.20	PYY (2.8)	PPP1R1B (2.7)	CX3CL1 (2.6)
1	>=0.20	OR4A1P (3.2)	ENSG00000236267 (2	MPP3 (2.9)
1	>=0.20	PITPNM2 (3.2)	ENSG00000181123 (2	MPP3 (2.6)
1	>=0.20	SPRYD5 (2.5)	PDE3A (2.4)	MPP3 (2.1)
1	>=0.20	RAPSN (3.5)	MT1X (2.9)	SLC7A6 (2.6)
1	>=0.20	CYP26A1 (4.1)	TSNAXIP1 (3.3)	GFOD2 (2.4)
1	>=0.20	OR5J2 (2.6)	ENSG00000236267 (2	RLTPR (2.2)
1	>=0.20	DPEP3 (5.7)	CCDC18 (2.5)	TGM7 (2.5)

1	>=0.20	OR5L2 (3.5)	SLC9A5 (3.2)	MPP2 (2.9)
1	>=0.20	MAP1A (3.8)	ENSG00000236267 (3	TP53BP1 (3.1)
1	>=0.20	BCAM (3.1)	RSPO3 (2.9)	CCDC11 (2.7)
1	>=0.20	TCAP (11.2)	PACSIN3 (5.0)	MYBPC3 (4.2)
1	>=0.20	WDR76 (4.0)	FEN1 (3.5)	MFAP1 (3.3)
1	>=0.20	NEUROD2 (5.9)	LIPG (2.7)	KIAA0895L (2.7)
1	>=0.20	FRMD5 (3.6)	C11orf9 (2.9)	RSPO3 (2.4)
1	>=0.20	NEUROD2 (3.7)	MAP1A (3.5)	RLTPR (3.0)
1	>=0.20	IGF2R (3.1)	RLTPR (2.6)	ENSG00000236267 (2
1	>=0.20	CMIP (2.9)	UVRAG (2.5)	RLTPR (2.3)
1	>=0.20	WDR76 (3.6)	OASL (2.9)	NUP160 (2.8)
1	>=0.20	ENSG00000247445 (3	SOST (2.7)	OR5I1 (2.6)
1	>=0.20	CTDSPL2 (3.9)	C16orf48 (3.6)	WDR76 (3.6)
1	>=0.20	AGBL2 (6.6)	TSNAXIP1 (6.3)	C11orf49 (5.2)
1	>=0.20	MYO5B (2.6)	ENSG00000179523 (2	GRB7 (2.5)
1	>=0.20	KCTD6 (2.7)	ENSG00000179523 (2	C17orf57 (2.2)
1	>=0.20	FEN1 (5.0)	WDR76 (3.3)	NUP160 (3.3)
1	>=0.20	CD40 (2.8)	PLEKHG4 (2.5)	RLTPR (2.4)
1	>=0.20	SETD8 (3.3)	ENSG00000247867 (2	C17orf105 (2.7)
1	>=0.20	MBD1 (2.6)	ENSG00000236267 (2	ENSG00000256746 (2
1	>=0.20	TSNAXIP1 (9.6)	AGBL2 (8.4)	CCDC11 (7.4)
1	>=0.20	ENSG00000255507 (2	KIAA0895L (2.7)	SMPD3 (2.4)
1	>=0.20	REEP3 (2.3)	TRPS1 (2.2)	ENSG00000229043 (2
1	>=0.20	WDR76 (6.4)	FEN1 (6.0)	CTDSPL2 (4.0)
1	>=0.20	LRRC29 (2.3)	HDAC5 (2.0)	SLC7A6 (1.9)
1	>=0.20	DGKG (3.9)	SLC9A5 (2.8)	NEUROD2 (2.8)
1	>=0.20	PITPNM2 (4.3)	CCDC116 (2.8)	MPP3 (2.8)
1	>=0.20	MAP1A (4.0)	MPP2 (3.7)	TRNP1 (2.6)
1	>=0.20	CCDC18 (3.5)	PAFAH1B2 (2.9)	SETD8 (2.8)
1	>=0.20	MYBPC3 (5.3)	FRMD5 (5.2)	C16orf86 (3.2)
1	>=0.20	CCDC18 (4.9)	RNF214 (4.4)	PCSK7 (3.6)
1	>=0.20	CCDC18 (4.9)	RNF214 (4.4)	PCSK7 (3.6)
1	>=0.20	CCDC18 (5.6)	CASC4 (3.0)	MPHOSPH9 (2.9)
1	>=0.20	MTF2 (3.3)	NCOA5 (3.1)	ZNF613 (2.9)
1	>=0.20	OASL (4.8)	DNAH10 (3.1)	C11orf9 (2.5)
1	>=0.20	TAGLN (5.1)	TCAP (4.0)	ARHGAP1 (2.5)
1	>=0.20	HCAR1 (2.7)	CYP26A1 (2.7)	LRP4 (2.5)
1	>=0.20	DPEP3 (6.0)	KCTD19 (5.4)	PLEKHG4 (3.7)
1	>=0.20	ZNF613 (3.4)	MADD (2.7)	CMIP (2.7)
1	>=0.20	AGBL2 (3.9)	TSNAXIP1 (3.6)	CCDC11 (3.6)
1	>=0.20	TMEM175 (3.1)	OR5J2 (2.9)	YDJC (2.7)
1	>=0.20	TECTB (2.1)	MYO1H (2.0)	C16orf86 (2.0)
1	>=0.20	SNORD58C (2.5)	KLHL8 (2.3)	INTS10 (2.1)
1	>=0.20	KCTD6 (3.1)	PSMC3 (2.4)	CCNDBP1 (2.3)
1	>=0.20	MYBPC3 (4.7)	FRMD5 (4.0)	TCAP (3.2)
1	>=0.20	DDB2 (4.2)	WDR76 (4.0)	FEN1 (3.9)
1	>=0.20	WDR76 (7.0)	FEN1 (5.8)	DDB2 (4.3)
1	>=0.20	TGM7 (2.9)	KLF14 (2.6)	PSKH1 (2.2)
1	>=0.20	RAPSN (4.9)	PACSIN3 (3.5)	FZD9 (3.4)
1	>=0.20	ZNF259 (2.4)	KLHL8 (2.4)	GPN2 (2.3)

1	>=0.20	CCDC18 (4.6)	C16orf48 (3.5)	TP53BP1 (3.1)
1	>=0.20	ENSG00000247867 (3	HSF4 (2.3)	STRC (2.0)
1	>=0.20	ENSG00000247867 (2	KIAA0895L (2.4)	HSF4 (2.4)
1	>=0.20	C17orf105 (2.7)	CCDC18 (2.6)	MPHOSPH9 (2.5)
1	>=0.20	CCL17 (2.3)	CCDC116 (2.2)	TTBK2 (2.2)
1	>=0.20	DGKG (4.7)	ENSG00000181123 (2	ENSG00000226645 (2
1	>=0.20	MPP2 (3.1)	FADS1 (3.0)	MVK (2.6)
1	>=0.20	TCAP (3.6)	ARHGAP1 (3.0)	KCTD10 (2.8)
1	>=0.20	MYBPC3 (5.0)	FRMD5 (3.3)	OR5J2 (3.0)
1	>=0.20	NDUFS3 (3.4)	ENSG00000255507 (2	COX19 (2.9)
1	>=0.20	PVRL2 (2.0)	MYBPC3 (1.9)	KCTD19 (1.8)
1	>=0.20	KCTD10 (4.3)	TAGLN (3.7)	DOK4 (3.4)
1	>=0.20	POLR2C (3.4)	REEP3 (3.0)	MTCH2 (2.8)
1	>=0.20	OR5J2 (3.1)	TGM5 (2.4)	ENSG00000229043 (2
1	>=0.20	KLF14 (3.2)	C11orf9 (2.4)	CCDC11 (2.2)
1	>=0.20	SLC7A6OS (3.1)	ENSG00000179523 (3	DDX28 (3.0)
1	>=0.20	WDR76 (4.4)	CTDSPL2 (4.0)	C16orf48 (3.9)
1	>=0.20	CCDC18 (3.3)	C17orf105 (3.0)	MPHOSPH9 (2.4)
1	>=0.20	ENSG00000181123 (3	ENSG00000229043 (2	COX19 (2.3)
1	>=0.20	SPRYD5 (3.0)	KLHL8 (2.6)	THAP11 (2.6)
1	>=0.20	ENSG00000255507 (3	STRC (2.8)	ENSG00000223745 (2
1	>=0.20	ENSG00000255507 (2	ENSG00000223745 (2	C17orf57 (2.2)
1	>=0.20	ENSG00000226334 (3	FZD9 (3.0)	OR5I1 (2.7)
1	>=0.20	ETV5 (3.9)	PPP1R1B (3.0)	RSPO3 (2.9)
1	>=0.20	GNAO1 (4.0)	C1QTNF4 (3.7)	MPP2 (3.5)
1	>=0.20	TCAP (6.3)	TAGLN (4.2)	MACF1 (3.3)
1	>=0.20	OR5J2 (4.2)	ADAL (2.2)	ENSG00000181296 (2
1	>=0.20	B3GNT9 (2.9)	OR4A1P (2.4)	ADAL (2.3)
1	>=0.20	RAPSN (3.2)	KLF14 (2.7)	TMEM101 (2.7)
1	>=0.20	MAP1A (3.3)	PITPNM2 (2.9)	GNAO1 (2.5)
1	>=0.20	WDR76 (4.7)	CTDSPL2 (4.6)	C16orf48 (4.2)
1	>=0.20	CCDC18 (4.7)	C16orf48 (3.6)	TP53BP1 (2.7)
1	>=0.20	ENSG00000247867 (2	HSF4 (2.4)	KIAA0895L (2.3)
1	>=0.20	RAPSN (4.8)	TCAP (3.8)	CES4A (3.1)
1	>=0.20	RAPSN (4.8)	TCAP (3.8)	CES4A (3.1)
1	>=0.20	FRMD5 (3.3)	MYBPC3 (3.1)	UBE3B (2.7)
1	>=0.20	SFN (5.2)	C17orf105 (3.2)	PTPRZ1 (2.9)
1	>=0.20	MMAB (3.0)	TRPS1 (2.8)	MVK (2.6)
1	>=0.20	MMAB (3.0)	TRPS1 (2.8)	MVK (2.6)
1	>=0.20	PITPNM2 (3.2)	MPP3 (2.7)	C1QTNF4 (2.6)
1	>=0.20	MAP1A (3.9)	MPP2 (3.2)	RLTPR (2.5)
1	>=0.20	ENSG00000181296 (3	PITPNM2 (3.1)	ENSG00000255507 (3
1	>=0.20	RLTPR (3.1)	ENSG00000229043 (2	RAB11B (2.4)
1	>=0.20	TCAP (10.5)	PACSIN3 (4.8)	TAGLN (3.2)
1	>=0.20	TTBK2 (3.8)	DGKG (2.5)	ENSG00000255507 (2
1	>=0.20	ENSG00000247867 (2	SNORD58C (2.4)	NUTF2 (2.2)
1	>=0.20	DDB2 (3.5)	WDR76 (3.3)	FEN1 (3.3)
1	>=0.20	DGKG (2.9)	PITPNM2 (2.8)	ENSG00000181123 (2
1	>=0.20	DPEP2 (3.9)	STRC (3.1)	CTRL (3.1)
1	>=0.20	DPEP2 (3.9)	STRC (3.1)	CTRL (3.1)

1	>=0.20	TECTB (10.8)	STRC (4.7)	FZD9 (3.2)
1	>=0.20	HNF1A (3.6)	ENSG00000181123 (3	TGM5 (3.1)
1	>=0.20	PSMC3 (4.1)	MTCH2 (3.3)	TOMM40 (3.0)
1	>=0.20	ZNF615 (3.1)	STRC (3.0)	ENSG00000179523 (2
1	>=0.20	GPER (2.9)	SMPD3 (2.3)	CD300LG (2.2)
1	>=0.20	C12orf65 (2.9)	MPHOSPH9 (2.7)	SETD8 (2.6)
1	>=0.20	NLRC5 (4.6)	XKR8 (3.1)	PTPMT1 (2.2)
1	>=0.20	TSNAXIP1 (5.9)	CCDC11 (4.2)	AGBL2 (4.0)
1	>=0.20	MPP2 (2.9)	PPP1R1B (2.9)	GNAO1 (2.6)
1	>=0.20	TCAP (10.7)	PACSIN3 (5.1)	RAPSN (4.1)
1	>=0.20	CYP2W1 (4.0)	XKR8 (3.3)	TRADD (3.0)
1	>=0.20	RAPSN (4.6)	PACSIN3 (3.8)	MYBPC3 (2.9)
1	>=0.20	CCDC18 (3.8)	FEN1 (3.6)	SKA1 (3.6)
1	>=0.20	NDUFS3 (5.6)	PDHB (5.2)	COQ9 (4.7)
1	>=0.20	DPEP2 (3.3)	STRC (2.8)	CTRL (2.4)
1	>=0.20	CTRL (2.4)	TTBK2 (2.3)	FEN1 (1.7)
1	>=0.20	GNAO1 (2.9)	DGKG (2.8)	MPP2 (2.6)
1	>=0.20	TRPS1 (2.9)	TP53BP1 (2.8)	SMPD3 (2.8)
1	>=0.20	TCAP (10.4)	PACSIN3 (4.9)	RAPSN (4.1)
1	>=0.20	MAP1A (3.7)	ENSG00000247867 (3	SLC9A5 (2.7)
1	>=0.20	PCSK7 (2.6)	CPNE2 (2.1)	PAFAH1B2 (2.1)
1	>=0.20	C16orf48 (7.2)	C11orf49 (6.6)	BBS2 (5.3)
1	>=0.20	MAP1A (3.6)	RLTPR (3.1)	YDJC (2.7)
1	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (2	RSPO3 (2.6)
1	>=0.20	MYBPC3 (6.4)	DOK4 (3.9)	TCAP (3.7)
1	>=0.20	TCAP (10.7)	PACSIN3 (4.9)	RAPSN (3.8)
1	>=0.20	DDB2 (4.1)	KBTBD4 (2.9)	ENSG00000179523 (2
1	>=0.20	DDB2 (4.1)	KBTBD4 (2.9)	ENSG00000179523 (2
1	>=0.20	ENSG00000226334 (3	SNORD58C (3.0)	NUTF2 (2.6)
1	>=0.20	HNF1A (3.2)	GRB7 (2.7)	LRP4 (2.6)
1	>=0.20	KCTD19 (2.4)	C11orf9 (2.3)	AGBL2 (2.2)
1	>=0.20	TECTB (3.9)	SLC12A3 (3.2)	STRC (2.6)
1	>=0.20	CCDC18 (3.8)	SETD8 (3.5)	PAFAH1B2 (3.2)
1	>=0.20	PTPRZ1 (3.3)	FZD9 (2.5)	DNAH10 (2.1)
1	>=0.20	C1orf172 (4.1)	TAGLN (3.9)	MYO5B (3.5)
1	>=0.20	CCDC11 (7.4)	TSNAXIP1 (5.1)	AGBL2 (4.9)
1	>=0.20	TCAP (10.1)	PACSIN3 (5.5)	MYBPC3 (5.0)
1	>=0.20	ENSG00000255507 (2	C1QTNF4 (2.5)	FRMD5 (2.4)
1	>=0.20	ENSG00000226334 (3	SNORD58C (2.7)	NUTF2 (2.2)
1	>=0.20	RLTPR (2.6)	ENSG00000226334 (2	ENSG00000223745 (2
1	>=0.20	ENSG00000254235 (3	SPRYD5 (2.3)	PYY (2.1)
1	>=0.20	DDB2 (4.2)	FBXL20 (3.5)	C16orf48 (3.2)
1	>=0.20	PITPNM2 (3.6)	DPEP2 (3.0)	PPP1R1B (2.9)
1	>=0.20	TRPS1 (3.4)	TGM7 (2.4)	OR5J2 (2.2)
1	>=0.20	TRPS1 (3.4)	TGM7 (2.4)	OR5J2 (2.2)
1	>=0.20	CCDC18 (4.8)	MPHOSPH9 (4.0)	CKAP5 (3.7)
1	>=0.20	TTBK2 (2.9)	C1QTNF4 (2.6)	REEP3 (2.4)
1	>=0.20	GNAO1 (3.4)	MPP2 (3.4)	PITPNM2 (2.9)
1	>=0.20	GNAO1 (3.4)	MPP2 (3.4)	PITPNM2 (2.9)
1	>=0.20	LILRA3 (3.3)	MAP1A (2.7)	HSF4 (2.7)

1	>=0.20	ENSG00000181123 (E	SLC7A6 (2.5)	TTBK2 (2.3)
1	>=0.20	TAGLN (6.5)	TCAP (5.7)	RAPSN (3.5)
1	>=0.20	CCDC116 (3.8)	RLTPR (3.0)	UVRAG (2.6)
1	>=0.20	C1QTNF4 (2.6)	GNAO1 (2.3)	MPP2 (2.2)
1	>=0.20	WDR76 (4.4)	NUP160 (3.1)	FEN1 (3.0)
1	>=0.20	WDR76 (5.5)	FEN1 (5.4)	CTDSPL2 (3.9)
1	>=0.20	CCDC11 (5.6)	CCDC18 (4.7)	TP53BP1 (3.7)
1	>=0.20	PCIF1 (2.4)	SETD8 (2.2)	EYA3 (2.2)
1	>=0.20	RSPO3 (2.9)	ETV5 (2.8)	RAPSN (2.5)
1	>=0.20	OR5L2 (7.8)	ENSG00000181296 (E	OR4A1P (4.0)
1	>=0.20	TAGLN (3.9)	MACF1 (3.4)	KCTD10 (2.8)
1	>=0.20	ZNF408 (3.1)	ARHGAP1 (2.7)	UBE2L3 (2.5)
1	>=0.20	RAPSN (7.1)	PACSIN3 (3.4)	FZD9 (3.0)
1	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (E	SPRYD5 (2.6)
1	>=0.20	MYBPC3 (3.6)	RAPSN (3.1)	TCAP (3.0)
1	>=0.20	ENSG00000181296 (4	ENSG00000236267 (E	C17orf57 (2.8)
1	>=0.20	TCAP (9.3)	RAPSN (3.8)	PACSIN3 (3.4)
1	>=0.20	C1QTNF4 (2.6)	TTBK2 (2.5)	RLTPR (2.4)
1	>=0.20	ENSG00000254235 (E	CYP26A1 (2.1)	HSF4 (2.0)
1	>=0.20	B3GNT9 (2.2)	HNF1A (2.1)	ZSCAN29 (2.1)
1	>=0.20	EPB42 (7.5)	RANBP10 (5.1)	SEC14L4 (4.8)
1	>=0.20	MAP1A (4.0)	MPP2 (3.4)	C1QTNF4 (2.9)
1	>=0.20	TCAP (10.7)	PACSIN3 (4.3)	RAPSN (4.2)
1	>=0.20	C17orf57 (3.4)	EPB42 (2.7)	TRNP1 (2.7)
1	>=0.20	NEUROD2 (3.9)	MADD (3.2)	MPP2 (2.7)
1	>=0.20	MYBPC3 (4.3)	TCAP (4.2)	FRMD5 (3.5)
1	>=0.20	CCDC116 (3.2)	HNF1A (2.8)	CCL17 (2.7)
1	>=0.20	HSF4 (3.2)	MPP3 (2.7)	FZD9 (2.7)
1	>=0.20	CATSPER2 (3.3)	MPP3 (3.1)	HSF4 (3.1)
1	>=0.20	TRPS1 (4.0)	EPB42 (2.7)	PNMT (2.4)
1	>=0.20	BBS2 (3.9)	ACD (3.9)	UBR1 (3.7)
1	>=0.20	RAPSN (4.8)	PACSIN3 (4.6)	TCAP (3.3)
1	>=0.20	ENSG00000229043 (E	BACE1 (2.4)	B3GNT9 (2.3)
1	>=0.20	KLF14 (2.6)	SLC7A6 (2.2)	RSPO3 (2.2)
1	>=0.20	TECTB (11.1)	STRC (4.9)	FZD9 (3.5)
1	>=0.20	MYBPC3 (4.8)	TCAP (4.6)	FRMD5 (3.7)
1	>=0.20	DPEP3 (7.8)	PLEKHG4 (3.3)	SBNO1 (2.7)
1	>=0.20	HNF1A (3.1)	GRB7 (2.8)	RSPO3 (2.5)
1	>=0.20	JMJD1C (3.5)	CTDSPL2 (3.1)	MTF2 (2.8)
1	>=0.20	RAPSN (4.7)	TCAP (4.7)	PACSIN3 (3.8)
1	>=0.20	COX19 (3.5)	PTPMT1 (3.2)	ZNF259 (3.0)
1	>=0.20	ETV5 (3.6)	ENSG00000179523 (2	MST1R (2.7)
1	>=0.20	ZSCAN29 (3.2)	CTDSPL2 (2.9)	PARD6A (2.9)
1	>=0.20	OR4A21P (3.6)	DNAH10 (3.1)	KCTD19 (3.0)
1	>=0.20	RAPSN (6.9)	PACSIN3 (3.5)	FZD9 (3.1)
1	>=0.20	SBNO1 (3.6)	PAFAH1B2 (3.0)	NPEPPS (2.8)
1	>=0.20	GRB7 (3.0)	HNF1A (2.9)	PSKH1 (2.6)
1	>=0.20	NDUFS3 (4.1)	COQ9 (3.7)	PDHB (3.7)
1	>=0.20	DGKG (3.0)	MPP2 (2.6)	CELSR2 (2.5)
1	>=0.20	NEUROD2 (3.0)	RLTPR (2.8)	MPP2 (2.6)

1	>=0.20	KLHL8 (2.8)	LCMT2 (2.8)	GPN2 (2.6)
1	>=0.20	ABCA8 (3.0)	ENSG00000182109 (2	LRP4 (2.4)
1	>=0.20	NEUROD2 (4.0)	ABCB9 (3.6)	CCDC11 (3.1)
1	>=0.20	TGM5 (3.1)	AFF1 (2.6)	C11orf9 (2.5)
1	>=0.20	MAP1A (3.2)	REEP3 (2.6)	GNAO1 (2.4)
1	>=0.20	TBKBP1 (3.2)	PTPRZ1 (2.6)	LRP4 (2.5)
1	>=0.20	ERBB2 (2.7)	C1orf172 (2.4)	GRB7 (2.2)
1	>=0.20	C11orf9 (3.1)	DOK4 (2.8)	MYBPC3 (2.3)
1	>=0.20	ZFAND2A (6.2)	CCDC11 (3.9)	CATSPER2 (3.8)
1	>=0.20	FEN1 (5.4)	WDR76 (4.8)	CTDSPL2 (3.9)
1	>=0.20	FEN1 (5.4)	WDR76 (4.8)	CTDSPL2 (3.9)
1	>=0.20	PLA2G6 (2.4)	ZNF350 (2.4)	DYM (2.3)
1	>=0.20	CCDC18 (3.0)	C17orf105 (2.8)	MPHOSPH9 (2.4)
1	>=0.20	KCTD6 (2.7)	MIEN1 (2.5)	MPP3 (2.4)
1	>=0.20	NDUFS3 (2.3)	OR5J2 (2.2)	ETV5 (2.1)
1	>=0.20	CCDC116 (3.7)	PCSK7 (3.6)	ZNF335 (2.8)
1	>=0.20	ENSG00000181296 (3	OR5L2 (2.6)	OR5I1 (2.2)
1	>=0.20	EPB42 (3.7)	MYO5B (3.4)	TAGLN (3.0)
1	>=0.20	PNMT (4.3)	OR5I1 (3.6)	DGKG (3.3)
1	>=0.20	GNAO1 (3.6)	CELSR2 (3.6)	MPP2 (3.0)
1	>=0.20	CCDC92 (2.8)	C17orf57 (2.5)	TTBK2 (2.3)
1	>=0.20	ENSG00000247867 (3	ENSG00000226334 (2	SNORD58C (2.3)
1	>=0.20	DDB2 (3.9)	TGM7 (3.6)	CCDC11 (2.8)
1	>=0.20	MYBPC3 (4.0)	RAPSN (3.1)	TCAP (2.9)
1	>=0.20	GPER (3.0)	C11orf49 (3.0)	CELSR2 (2.5)
1	>=0.20	SLC7A6 (2.7)	RSPRY1 (2.3)	SFN (2.1)
1	>=0.20	SNORD58C (3.4)	KPNB1 (2.6)	TOMM40 (2.5)
1	>=0.20	MT1F (3.3)	SLC12A3 (3.2)	MT1G (3.1)
1	>=0.20	ZNF615 (3.3)	OR4A21P (2.7)	TGM5 (2.5)
1	>=0.20	BBS2 (3.8)	C11orf49 (3.7)	AGBL2 (3.5)
1	>=0.20	BBS2 (5.1)	C11orf49 (5.0)	C16orf48 (4.6)
1	>=0.20	OR5L2 (3.5)	SLC9A5 (3.1)	MPP2 (2.9)
1	>=0.20	OR5L2 (3.5)	SLC9A5 (3.1)	MPP2 (2.9)
1	>=0.20	OR5L2 (3.5)	SLC9A5 (3.1)	MPP2 (2.9)
1	>=0.20	RAB11B (3.3)	CITED2 (2.5)	JMJD1C (2.2)
1	>=0.20	SNORD58C (2.4)	C16orf48 (2.4)	ENSG00000226334 (2
1	>=0.20	HNF1A (3.2)	ENSG00000236267 (3	EXOC3L1 (3.1)
1	>=0.20	MAP1A (4.3)	MPP2 (3.9)	RLTPR (3.0)
1	>=0.20	PRMT7 (2.8)	FAM192A (2.7)	CIAPIN1 (2.7)
1	>=0.20	STRC (2.8)	OR5I1 (2.6)	MST1R (2.5)
1	>=0.20	EPB42 (2.9)	ENSG00000247867 (2	CES4A (2.6)
1	>=0.20	UBR1 (2.7)	PPY (2.3)	RSPRY1 (2.2)
1	>=0.20	ENSG00000247867 (2	MON1A (2.5)	PRMT7 (2.5)
1	>=0.20	MPP2 (4.2)	GNAO1 (4.2)	PPP1R1B (3.9)
1	>=0.20	MPP2 (4.2)	GNAO1 (4.2)	PPP1R1B (3.9)
1	>=0.20	WDR76 (4.1)	C16orf48 (3.3)	OR5L2 (3.1)
1	>=0.20	CCDC92 (2.9)	ENSG00000236267 (2	C17orf57 (2.5)
1	>=0.20	TRNP1 (3.3)	PCSK7 (2.8)	C17orf57 (2.7)
1	>=0.20	CCDC18 (2.9)	MPHOSPH9 (2.5)	C17orf105 (2.2)
1	>=0.20	TECTB (4.9)	CYP2W1 (3.4)	FZD9 (2.7)

1	>=0.20	C12orf43 (4.2)	ADAL (3.8)	SLC7A6OS (3.5)
1	>=0.20	ZSCAN29 (5.9)	CTDSPL2 (4.2)	UBR1 (3.2)
1	>=0.20	TGM7 (2.8)	ENSG00000247867 (2	KIAA0895L (2.1)
1	>=0.20	KLF14 (3.2)	RSPO3 (2.3)	TRPS1 (2.0)
1	>=0.20	WDR76 (5.0)	FEN1 (4.2)	ADAL (3.1)
1	>=0.20	ZNF613 (3.1)	ZNF408 (3.0)	ENSG00000247445 (2
1	>=0.20	CCDC18 (3.3)	MPHOSPH9 (2.2)	LCMT2 (2.1)
1	>=0.20	OR5L2 (3.3)	SLC9A5 (3.0)	MPP2 (3.0)
1	>=0.20	OR5L2 (3.3)	SLC9A5 (3.0)	MPP2 (3.0)
1	>=0.20	PSMC3 (3.1)	CENPT (3.0)	NUP93 (2.6)
1	>=0.20	ZNF615 (3.5)	ZNF350 (3.0)	GRB7 (2.9)
1	>=0.20	OR5J2 (3.5)	SOST (2.5)	ENSG00000229043 (2
1	>=0.20	ENSG00000256746 (4	MYBPC3 (3.0)	DOK4 (2.9)
1	>=0.20	SPRYD5 (2.8)	RNF214 (2.6)	ZNF350 (2.5)
1	>=0.20	PYY (3.3)	ENSG00000226334 (3	ABCB9 (2.7)
1	>=0.20	OR5L2 (3.6)	GALNT2 (2.1)	TMEM62 (2.1)
1	>=0.20	ZSCAN29 (4.3)	CTDSPL2 (3.4)	MFAP1 (3.0)
1	>=0.20	RAB11B (2.9)	C11orf49 (2.3)	PAFAH1B2 (2.1)
1	>=0.20	DDB2 (3.6)	WDR76 (3.6)	FEN1 (3.3)
1	>=0.20	FEN1 (3.5)	BAZ1B (3.5)	NUP160 (3.5)
1	>=0.20	RAPSN (5.3)	PACSIN3 (3.6)	TCAP (2.5)
1	>=0.20	TECTB (3.5)	LRP4 (3.2)	FZD9 (3.1)
1	>=0.20	RAPSN (3.0)	TMEM101 (2.6)	KLF14 (2.6)
1	>=0.20	DPEP3 (4.0)	MYO1H (2.5)	CATSPER2 (2.5)
1	>=0.20	STRC (3.8)	DPEP2 (3.7)	DGKG (3.2)
1	>=0.20	STRC (3.8)	DPEP2 (3.7)	DGKG (3.2)
1	>=0.20	C11orf49 (3.4)	BBS2 (3.1)	C16orf48 (2.7)
1	>=0.20	ENSG00000226334 (5	BMP8A (2.8)	KLF14 (2.7)
1	>=0.20	PITPNM2 (3.2)	SLC9A5 (2.8)	CTRL (2.8)
1	>=0.20	WDR76 (4.7)	FEN1 (3.4)	DDB2 (3.3)
1	>=0.20	MPP3 (3.3)	SLC9A5 (3.2)	PYY (2.4)
1	>=0.20	TCAP (7.3)	TAGLN (4.4)	PACSIN3 (3.5)
1	>=0.20	ENSG00000247867 (4	C17orf105 (3.6)	ZNF613 (3.2)
1	>=0.20	RLTPR (2.6)	ABCB9 (2.4)	DYM (2.3)
1	>=0.20	CYP26A1 (3.1)	OR5I1 (2.5)	LRP4 (2.3)
1	>=0.20	RAPSN (5.0)	PACSIN3 (4.0)	FZD9 (3.2)
1	>=0.20	GNAO1 (4.2)	MPP3 (4.2)	NEUROD2 (4.0)
1	>=0.20	NEUROD2 (4.4)	MPP2 (3.8)	GNAO1 (3.2)
1	>=0.20	TMED5 (3.3)	CCDC18 (2.5)	PAFAH1B2 (2.4)
1	>=0.20	RAPSN (6.8)	PACSIN3 (3.9)	TCAP (2.9)
1	>=0.20	PYY (2.6)	C1QTNF4 (2.3)	PDE3A (2.0)
1	>=0.20	OR5L2 (7.1)	ENSG00000181296 (6	OR4A1P (4.5)
1	>=0.20	RAPSN (4.2)	FZD9 (2.7)	TRPS1 (2.6)
1	>=0.20	DPEP3 (6.5)	PLEKHG4 (2.9)	PNMT (2.4)
1	>=0.20	DPEP3 (6.5)	PLEKHG4 (2.9)	PNMT (2.4)
1	>=0.20	DPEP3 (6.5)	PLEKHG4 (2.9)	PNMT (2.4)
1	>=0.20	PNMT (3.4)	NEUROD2 (3.0)	GNAO1 (2.8)
1	>=0.20	TCAP (4.6)	RAPSN (4.0)	PACSIN3 (3.3)
1	>=0.20	PPP1R1B (3.4)	CX3CL1 (2.5)	MST1R (2.4)
1	>=0.20	GNAO1 (3.3)	PDE3A (2.4)	PITPNM2 (2.1)

1	>=0.20	DDB2 (4.8)	ZNF614 (3.0)	RBM6 (2.7)
1	>=0.20	DNAH10 (4.1)	PNMT (3.4)	MPP3 (2.9)
1	>=0.20	DNAH10 (4.1)	PNMT (3.4)	MPP3 (2.9)
1	>=0.20	DNAH10 (4.1)	PNMT (3.4)	MPP3 (2.9)
1	>=0.20	ARFGAP2 (2.6)	HSF4 (2.6)	C17orf105 (2.6)
1	>=0.20	GNAO1 (3.1)	DGKG (2.5)	NEUROD2 (2.3)
1	>=0.20	MYO5B (3.9)	GNAO1 (2.9)	TMEM62 (2.4)
1	>=0.20	CATSPER2 (3.3)	MADD (3.1)	MPP3 (2.7)
1	>=0.20	LRRC29 (3.4)	PPP1R1B (2.5)	SMPD3 (2.4)
1	>=0.20	ABHD6 (2.8)	SPRYD5 (2.3)	ENSG00000181296 (2
1	>=0.20	DGKG (2.6)	ENSG00000181123 (2	SLC9A5 (2.4)
1	>=0.20	C17orf105 (3.6)	CCDC18 (3.5)	MPHOSPH9 (2.4)
1	>=0.20	C1QTNF4 (4.1)	ENSG00000247445 (3	PPP1R1B (2.6)
1	>=0.20	OR5L2 (2.7)	MPP2 (2.6)	PITPNM2 (2.6)
1	>=0.20	CCDC18 (5.0)	C17orf57 (2.9)	KCTD19 (2.5)
1	>=0.20	MAP1A (3.6)	MPP2 (2.9)	MYO5B (2.5)
1	>=0.20	DDB2 (3.7)	TGM7 (3.6)	CCDC11 (2.8)
1	>=0.20	GNAO1 (4.1)	TRNP1 (3.5)	MAP1A (3.1)
1	>=0.20	PITPNM2 (2.4)	TECTB (2.4)	CCDC116 (2.2)
1	>=0.20	PITPNM2 (2.4)	TECTB (2.4)	CCDC116 (2.2)
1	>=0.20	PPP1R1B (3.7)	GNAO1 (2.5)	C1QTNF4 (2.4)
1	>=0.20	OR5J2 (3.9)	DGKG (3.1)	ABCB9 (2.5)
1	>=0.20	OR5J2 (3.9)	DGKG (3.1)	ABCB9 (2.5)
1	>=0.20	CBFB (3.0)	FBXL20 (2.6)	RAB11B (2.5)
1	>=0.20	MPP3 (4.0)	DGKG (2.4)	CCDC92 (2.3)
1	>=0.20	GRB7 (2.8)	PGAP3 (2.4)	ENSG00000247445 (2
1	>=0.20	DYM (3.1)	DR1 (2.9)	PAFAH1B2 (2.8)
1	>=0.20	ENSG00000181123 (2	DGKG (2.7)	KIAA0754 (2.4)
1	>=0.20	CYP2W1 (2.7)	PNMT (2.6)	PPP1R1B (2.5)
1	>=0.20	PDHB (3.7)	NDUFS3 (3.7)	PTPMT1 (3.7)
1	>=0.20	PDHB (3.7)	NDUFS3 (3.7)	PTPMT1 (3.7)
1	>=0.20	RAPSN (6.4)	PACSIN3 (4.2)	TCAP (3.0)
1	>=0.20	GNAO1 (4.7)	MPP2 (4.2)	MAP1A (4.1)
1	>=0.20	DNAH10 (3.9)	FZD9 (2.6)	RSPO3 (2.4)
1	>=0.20	TCAP (3.8)	TAGLN (2.7)	ZNF613 (2.6)
1	>=0.20	DYM (3.1)	DDB2 (2.3)	ENSG00000226645 (1
1	>=0.20	CCDC18 (5.0)	C16orf48 (3.2)	TSNAXIP1 (3.0)
1	>=0.20	TCAP (7.2)	MYBPC3 (3.7)	PACSIN3 (3.2)
1	>=0.20	PITPNM2 (2.4)	CCDC116 (2.2)	TECTB (2.2)
1	>=0.20	MAP1A (4.0)	MPP2 (3.3)	RLTPR (2.9)
1	>=0.20	CCDC18 (6.3)	MPHOSPH9 (3.4)	ZSCAN29 (3.1)
1	>=0.20	NDUFS3 (5.6)	COQ9 (4.7)	CIAPIN1 (3.2)
1	>=0.20	DPEP3 (8.1)	PLEKHG4 (4.1)	KLHL8 (2.5)
1	>=0.20	CCDC18 (6.2)	MPHOSPH9 (3.3)	STRC (2.7)
1	>=0.20	CCDC18 (6.2)	MPHOSPH9 (3.3)	STRC (2.7)
1	>=0.20	CCDC18 (6.2)	MPHOSPH9 (3.3)	STRC (2.7)
1	>=0.20	C12orf43 (3.3)	UBR1 (3.0)	ZNF259 (2.9)
1	>=0.20	ZNF615 (2.8)	TGM5 (2.8)	LRRC29 (2.7)
1	>=0.20	BACE1 (2.4)	OR5J2 (2.3)	PXK (2.2)
1	>=0.20	PTPRZ1 (2.9)	C16orf86 (2.7)	MPP3 (2.4)

1	>=0.20	MPP3 (4.0)	ENSG00000255507 (3	OR5L2 (2.7)
1	>=0.20	LRP4 (3.2)	FZD9 (2.7)	TECTB (2.7)
1	>=0.20	RAPSN (6.9)	NOL3 (3.0)	FZD9 (2.1)
1	>=0.20	RAPSN (5.8)	OR5I1 (2.8)	NOL3 (2.7)
1	>=0.20	FHOD1 (2.8)	OR5I1 (2.6)	C11orf9 (2.3)
1	>=0.20	ENSG00000255507 (3	OR5L2 (2.7)	ENSG00000181123 (2
1	>=0.20	THAP11 (3.4)	C16orf70 (3.0)	KLHL8 (2.8)
1	>=0.20	KIAA0895L (2.9)	NEUROD2 (2.8)	PARD6A (2.2)
1	>=0.20	C16orf86 (2.6)	ENSG00000236267 (2	OR4A1P (2.1)
1	>=0.20	MPP2 (4.3)	MPP3 (3.9)	GNAO1 (3.1)
1	>=0.20	PNMT (4.9)	SEC14L4 (3.2)	SCARB1 (3.1)
1	>=0.20	ENSG00000181123 (3	DNAH10 (2.9)	ZNF615 (2.6)
1	>=0.20	PITPNM2 (3.5)	ENSG00000181296 (2	CX3CL1 (2.7)
1	>=0.20	GNAO1 (3.4)	DGKG (3.1)	CCDC116 (2.3)
1	>=0.20	SLC7A6 (2.8)	TRPS1 (2.5)	ENSG00000179523 (2
1	>=0.20	ENSG00000255507 (3	BMP8A (3.4)	C1QTNF4 (2.2)
1	>=0.20	ENSG00000236267 (2	KIAA0895L (2.3)	PCIF1 (2.0)
1	>=0.20	TSNAXIP1 (6.4)	AGBL2 (6.3)	CCDC11 (5.2)
1	>=0.20	WDR76 (4.6)	FEN1 (4.0)	C16orf48 (3.6)
1	>=0.20	SPRYD5 (4.3)	TRNP1 (3.0)	RAPSN (2.6)
1	>=0.20	ATG13 (4.0)	FBXL20 (3.9)	C16orf70 (3.2)
1	>=0.20	TSNAXIP1 (4.0)	C17orf105 (3.4)	KIAA0895L (3.1)
1	>=0.20	TSNAXIP1 (8.2)	AGBL2 (7.7)	CCDC11 (5.9)
1	>=0.20	DNAH10 (5.0)	ENSG00000256746 (4	ENSG00000181123 (3
1	>=0.20	C1QTNF4 (4.0)	PPP1R1B (2.8)	ENSG00000247445 (2
1	>=0.20	TCAP (4.8)	RAPSN (4.1)	PACSIN3 (4.0)
1	>=0.20	MAP1A (5.2)	NEUROD2 (4.8)	MPP2 (4.5)
1	>=0.20	OR5L2 (6.5)	ZNF613 (2.6)	OR5I1 (2.4)
1	>=0.20	FEN1 (3.3)	AGBL2 (2.9)	DDB2 (2.9)
1	>=0.20	RLTPR (3.1)	OR4A21P (2.9)	ENSG00000226334 (2
1	>=0.20	COX19 (3.2)	ZNF259 (3.0)	YDJC (3.0)
1	>=0.20	ENSG00000226334 (3	SNORD58C (3.2)	NUTF2 (3.1)
1	>=0.20	NEUROD2 (4.4)	BACE1 (2.7)	PTPRZ1 (2.2)
1	>=0.20	LCMT2 (2.9)	NUTF2 (2.9)	YDJC (2.8)
1	>=0.20	LCMT2 (2.9)	NUTF2 (2.9)	YDJC (2.8)
1	>=0.20	SNORD58C (3.2)	ENSG00000226334 (3	NUTF2 (2.6)
1	>=0.20	C1QTNF4 (2.6)	MYO5B (2.2)	BACE1 (2.0)
1	>=0.20	ENSG00000181296 (3	SLC9A5 (2.8)	MPP2 (2.7)
1	>=0.20	CCDC18 (5.8)	MPHOSPH9 (2.9)	C17orf105 (2.5)
1	>=0.20	GNAO1 (3.2)	DGKG (2.2)	CCDC116 (2.0)
1	>=0.20	PNMT (3.1)	BMP8A (2.5)	MPP2 (2.4)
1	>=0.20	MAP1A (2.5)	C11orf49 (2.4)	NOL3 (2.3)
1	>=0.20	TSNAXIP1 (4.8)	AGBL2 (4.4)	CCDC11 (3.9)
1	>=0.20	COX19 (3.8)	YDJC (3.2)	ZNF259 (3.0)
1	>=0.20	ENSG00000247867 (2	SETD8 (2.3)	ENSG00000226334 (2
1	>=0.20	TCAP (10.2)	PACSIN3 (3.5)	RAPSN (3.4)
1	>=0.20	PITPNM2 (4.0)	ZNF614 (2.6)	CD300LG (2.6)
1	>=0.20	MPP3 (3.5)	CENPT (2.7)	GNAO1 (2.3)
1	>=0.20	FNBP4 (3.2)	MTF2 (2.2)	BCAM (1.9)
1	>=0.20	C11orf9 (3.3)	PPY (2.9)	TTBK2 (2.9)

1	>=0.20	TECTB (2.4)	TGM7 (2.3)	PITPNM2 (2.3)
1	>=0.20	PNMT (3.9)	DGKG (3.7)	GNAO1 (2.6)
1	>=0.20	MAP1A (4.2)	DGKG (2.8)	PPP1R1B (2.5)
1	>=0.20	CATSPER2 (3.7)	ENSG00000182109 (3	KIAA0754 (2.9)
1	>=0.20	CATSPER2 (3.7)	ENSG00000182109 (3	KIAA0754 (2.9)
1	>=0.20	CATSPER2 (3.7)	ENSG00000182109 (3	KIAA0754 (2.9)
1	>=0.20	MPP3 (3.1)	STRC (3.0)	HSF4 (2.9)
1	>=0.20	BCL7B (3.9)	OR4A1P (3.6)	MPHOSPH9 (2.4)
1	>=0.20	ZNF613 (3.6)	STRC (3.4)	YDJC (2.7)
1	>=0.20	ZFAND2A (4.3)	KCTD6 (2.4)	AGBL2 (2.0)
1	>=0.20	PNMT (3.6)	PGAP3 (3.5)	GRB7 (3.3)
1	>=0.20	DGKG (3.2)	GNAO1 (2.7)	MADD (2.6)
1	>=0.20	GNAO1 (4.2)	TCAP (3.8)	MPP3 (3.2)
1	>=0.20	NEUROD2 (5.8)	GNAO1 (4.5)	MPP2 (3.4)
1	>=0.20	RAPSN (5.8)	C12orf65 (2.5)	KLF14 (2.3)
1	>=0.20	DNAH10 (2.6)	PPP1R1B (2.5)	CCNDBP1 (2.5)
1	>=0.20	PDHB (3.9)	NDUFS3 (3.7)	PTPMT1 (3.6)
1	>=0.20	FEN1 (3.5)	WDR76 (3.5)	BAZ1B (3.5)
1	>=0.20	NEUROD2 (3.7)	SLC9A5 (3.3)	ENSG00000226645 (2
1	>=0.20	POLR2C (3.1)	C18orf32 (2.5)	EIF3J (2.3)
1	>=0.20	RAPSN (5.7)	KLF14 (2.3)	EXOC3L1 (2.3)
1	>=0.20	WDR76 (5.4)	FEN1 (4.3)	BAZ1B (3.4)
1	>=0.20	GNAO1 (4.5)	MAP1A (3.6)	C1QTNF4 (3.5)
1	>=0.20	TRPS1 (2.7)	DNAH10 (2.3)	RSPRY1 (1.8)
1	>=0.20	ERBB2 (2.8)	UBE2L3 (2.7)	YDJC (2.1)
1	>=0.20	CTRL (5.8)	OR5J2 (2.6)	BACE1 (2.1)
1	>=0.20	ENSG00000179523 (2	TRPS1 (2.2)	JMJD1C (2.1)
1	>=0.20	TGM5 (4.2)	SFN (2.7)	TMEM101 (2.2)
1	>=0.20	SLC12A3 (3.5)	MAP1A (2.6)	ABCB9 (2.5)
1	>=0.20	SLC9A5 (2.9)	ENSG00000181296 (2	MPP2 (2.8)
1	>=0.20	RAPSN (4.8)	PACSIN3 (4.6)	TCAP (3.3)
1	>=0.20	ZNF615 (3.1)	ZNF614 (3.1)	ZSCAN29 (2.8)
1	>=0.20	SLC9A5 (2.8)	NEUROD2 (2.6)	GNAO1 (2.6)
1	>=0.20	C11orf9 (3.6)	ABCA8 (2.2)	DNAH10 (2.1)
1	>=0.20	NEUROD2 (3.7)	GNAO1 (3.2)	MPP2 (2.9)
1	>=0.20	MPP3 (2.9)	SMPD3 (2.6)	MPP2 (2.4)
1	>=0.20	MAP1A (4.1)	C1QTNF4 (2.9)	MPP2 (2.7)
1	>=0.20	RAPSN (5.0)	ENSG00000181296 (4	NOL3 (2.5)
1	>=0.20	C16orf86 (2.7)	OR5I1 (2.6)	DNAH10 (2.6)
1	>=0.20	NDUFS3 (5.2)	MTCH2 (3.1)	COQ9 (3.0)
1	>=0.20	RAPSN (3.2)	BMP8A (3.0)	SLC7A6 (2.6)
1	>=0.20	MST1R (3.2)	TSNAXIP1 (3.1)	PCSK7 (3.1)
1	>=0.20	ENSG00000226334 (5	BMP8A (3.3)	ENSG00000255507 (2
1	>=0.20	CCDC18 (3.4)	MPHOSPH9 (2.4)	TTBK2 (2.1)
1	>=0.20	CTDSPL2 (4.6)	WDR76 (4.2)	C16orf48 (4.0)
1	>=0.20	TRPS1 (3.9)	OR5J2 (2.5)	RSPO3 (2.3)
1	>=0.20	TRPS1 (3.9)	OR5J2 (2.5)	RSPO3 (2.3)
1	>=0.20	MTMR3 (3.1)	AMFR (3.0)	DPEP3 (2.3)
1	>=0.20	NLRC5 (4.9)	XKR8 (2.8)	PTPMT1 (2.2)
1	>=0.20	CYP26A1 (3.6)	LRP4 (2.6)	SFN (2.5)

1	>=0.20	OR5L2 (3.5)	ENSG00000181296 (3	MPP2 (3.1)
1	>=0.20	DNAH10 (3.2)	MYO5B (3.0)	ENSG00000179523 (2
1	>=0.20	GNAO1 (4.0)	C1QTNF4 (3.6)	HSF4 (3.2)
1	>=0.20	DPEP3 (5.9)	KCTD19 (4.2)	CCDC18 (3.6)
1	>=0.20	PPP1R1B (3.1)	GNAO1 (3.1)	MPP2 (3.0)
1	>=0.20	PPP1R1B (3.1)	GNAO1 (3.1)	MPP2 (3.0)
1	>=0.20	ENSG00000181123 (2	MYO5B (2.4)	CES4A (2.3)
1	>=0.20	CCDC18 (3.2)	MPHOSPH9 (2.3)	TTBK2 (2.0)
1	>=0.20	MPP2 (3.2)	GNAO1 (3.2)	DGKG (3.1)
1	>=0.20	TRPS1 (3.9)	RSPO3 (2.2)	TGM7 (2.1)
1	>=0.20	TRPS1 (3.9)	RSPO3 (2.2)	TGM7 (2.1)
1	>=0.20	JMJD1C (2.3)	CYP26A1 (2.2)	LRP4 (2.1)
1	>=0.20	GNAO1 (3.0)	DGKG (2.7)	C1QTNF4 (2.5)
1	>=0.20	ENSG00000226334 (4	FZD9 (2.6)	OR5I1 (2.0)
1	>=0.20	PNMT (3.0)	TRIB1 (2.5)	NEUROD2 (2.4)
1	>=0.20	PNMT (3.0)	TRIB1 (2.5)	NEUROD2 (2.4)
1	>=0.20	RLTPR (3.2)	OR4A21P (3.1)	ENSG00000256746 (2
1	>=0.20	PCSK7 (2.8)	RNF214 (2.5)	LRRC29 (2.5)
1	>=0.20	LRP4 (3.5)	FZD9 (2.5)	GPER (2.4)
1	>=0.20	TCAP (9.9)	TAGLN (3.7)	PACSIN3 (3.6)
1	>=0.20	SLC12A3 (3.9)	MAP1A (2.3)	CCDC11 (2.1)
1	>=0.20	GPER (3.9)	OASL (2.6)	C1orf172 (2.3)
1	>=0.20	MYO5B (3.5)	C1orf172 (3.4)	C11orf9 (3.0)
1	>=0.20	C17orf105 (4.3)	KBTBD4 (4.0)	CCNDBP1 (3.5)
1	>=0.20	TCAP (10.1)	RAPSN (4.7)	PACSIN3 (4.5)
1	>=0.20	OR5L2 (3.5)	SLC9A5 (3.4)	MPP2 (3.2)
1	>=0.20	OR5L2 (3.6)	SLC9A5 (3.4)	MPP2 (3.2)
1	>=0.20	OR5L2 (3.6)	SLC9A5 (3.4)	MPP2 (3.2)
1	>=0.20	ZFAND2A (3.8)	OR4A21P (2.3)	AGBL2 (2.1)
1	>=0.20	C12orf43 (3.3)	COX19 (3.0)	PTPMT1 (3.0)
1	>=0.20	C12orf43 (3.3)	COX19 (3.0)	PTPMT1 (3.0)
1	>=0.20	KCTD10 (3.1)	TAGLN (2.9)	ARHGAP1 (2.9)
1	>=0.20	NUTF2 (3.9)	ENSG00000226334 (3	SNORD58C (2.4)
1	>=0.20	ENSG00000181123 (3	KCTD19 (2.7)	CCDC116 (2.5)
1	>=0.20	COX19 (3.8)	YDJC (3.3)	ZNF259 (3.0)
1	>=0.20	DGKG (4.7)	LCAT (2.8)	ENSG00000181296 (2
1	>=0.20	DGKG (4.7)	LCAT (2.8)	ENSG00000181296 (2
1	>=0.20	EPB42 (5.9)	CCDC11 (3.9)	TSNAXIP1 (3.8)
1	>=0.20	GNAO1 (3.1)	MAP1A (3.1)	MPP3 (3.0)
1	>=0.20	GNAO1 (3.1)	MAP1A (3.1)	MPP3 (3.0)
1	>=0.20	TGM7 (3.8)	SFN (3.3)	CYP26A1 (3.1)
1	>=0.20	RAPSN (7.0)	SLC9A5 (3.3)	PACSIN3 (2.8)
1	>=0.20	HNF1A (2.4)	DNAH10 (2.2)	FRMD5 (2.1)
1	>=0.20	HNF1A (2.4)	DNAH10 (2.2)	FRMD5 (2.1)
1	>=0.20	SLC12A3 (3.9)	MT1F (3.1)	MT1G (2.8)
1	>=0.20	SNORD58C (3.1)	NUTF2 (2.6)	ZNF259 (2.5)
1	>=0.20	STRC (3.4)	MPP3 (3.1)	MAP1A (2.8)
1	>=0.20	NLRC5 (5.0)	XKR8 (2.9)	SPG11 (2.3)
1	>=0.20	PITPNM2 (3.5)	MPP2 (3.3)	CYP2W1 (3.1)
1	>=0.20	ENSG00000179523 (4	KBTBD4 (2.6)	DDB2 (2.4)

1	>=0.20	ENSG00000179523 (4	KBTBD4 (2.6)	DDB2 (2.4)
1	>=0.20	TRPS1 (3.6)	TGM7 (3.0)	LRP4 (2.0)
1	>=0.20	TCAP (6.7)	PACSIN3 (4.7)	RAPSN (3.3)
1	>=0.20	DGKG (2.9)	GNAO1 (2.5)	MPP3 (2.4)
1	>=0.20	DGKG (4.9)	LCAT (2.5)	ENSG00000181296 (2
1	>=0.20	MFAP1 (4.2)	CCDC18 (3.6)	WDR76 (3.3)
1	>=0.20	DNAH10 (2.5)	TGM5 (2.3)	ZNF614 (2.3)
1	>=0.20	C17orf105 (6.1)	DPEP3 (5.2)	KCTD19 (2.5)
1	>=0.20	DPEP3 (6.4)	PLEKHG4 (3.9)	CCDC18 (2.5)
1	>=0.20	PCIF1 (2.5)	LRRC29 (2.0)	SETD8 (1.9)
1	>=0.20	ENSG00000181296 (3	ABCA8 (2.3)	HARBI1 (2.0)
1	>=0.20	SPRYD5 (3.5)	ZNF613 (2.5)	PITPNM2 (2.2)
1	>=0.20	TRNP1 (2.0)	PGS1 (1.8)	CYP26A1 (1.6)
1	>=0.20	SLC9A5 (3.5)	MPP3 (3.0)	ENSG00000182109 (2
1	>=0.20	MPP2 (3.4)	GNAO1 (3.3)	DGKG (2.7)
1	>=0.20	OR5L2 (7.3)	OR4A1P (3.8)	ENSG00000181296 (3
1	>=0.20	ENSG00000226334 (4	PPY (2.2)	DNAH10 (2.2)
1	>=0.20	ZNF259 (3.3)	TOMM40 (3.0)	SNORD58C (2.5)
1	>=0.20	PGAP3 (2.9)	B3GNT9 (2.7)	PCSK7 (2.5)
1	>=0.20	DGKG (4.5)	NEUROD2 (3.6)	LCAT (2.9)
1	>=0.20	ENSG00000181296 (3	HNF1A (2.3)	ENSG00000182109 (2
1	>=0.20	FZD9 (6.5)	TECTB (3.9)	ENSG00000255507 (3
1	>=0.20	GPIHBP1 (3.1)	ETV5 (2.9)	TRNP1 (2.1)
1	>=0.20	SLC9A5 (3.5)	MPP3 (3.1)	ENSG00000181123 (2
1	>=0.20	KIAA0754 (3.8)	MYO5B (3.6)	FRMD5 (3.0)
1	>=0.20	C1QTNF4 (3.0)	MPP2 (2.5)	FRMD5 (2.5)
1	>=0.20	ENSG00000226334 (3	DNAH10 (2.6)	FRMD5 (2.5)
1	>=0.20	ABCA8 (2.2)	CCDC116 (2.2)	TMEM101 (1.9)
1	>=0.20	MAP1A (4.4)	ENSG00000256746 (3	ENSG00000236267 (3
1	>=0.20	TRPS1 (2.7)	DNAH10 (2.2)	RSPRY1 (2.1)
1	>=0.20	PCSK7 (3.4)	PGAP3 (2.5)	TMEM62 (2.4)
1	>=0.20	DGKG (4.6)	LCAT (2.6)	ENSG00000181296 (2
1	>=0.20	PDHB (3.6)	NDUFS3 (3.5)	PTPMT1 (3.5)
1	>=0.20	TGM7 (3.1)	CYP26A1 (2.5)	BCAM (2.3)
1	>=0.20	STRC (3.0)	ENSG00000226334 (2	PPP1R1B (2.5)
1	>=0.20	TCAP (6.7)	MYBPC3 (6.3)	NDUFS3 (3.9)
1	>=0.20	PDE3A (2.7)	LRP4 (2.5)	HSF4 (2.3)
1	>=0.20	LCAT (3.0)	SLC9A5 (2.4)	STRC (2.3)
1	>=0.20	TGM7 (3.2)	TRPS1 (2.2)	ERBB2 (2.0)
1	>=0.20	ZNF408 (3.4)	UBE2L3 (2.9)	PAFAH1B2 (2.7)
1	>=0.20	NEUROD2 (3.4)	PITPNM2 (3.4)	MPP2 (3.3)
1	>=0.20	SFN (2.5)	BCAM (2.4)	LRP4 (2.4)
1	>=0.20	BMP8A (3.1)	TECTB (2.9)	PPP1R1B (2.6)
1	>=0.20	DGKG (2.9)	MPP2 (2.4)	CATSPER2 (2.3)
1	>=0.20	LRRC29 (2.8)	MYO1H (2.8)	CENPT (2.3)
1	>=0.20	PPP1R1B (4.0)	GNAO1 (2.6)	PITPNM2 (2.3)
1	>=0.20	PPY (3.3)	ENSG00000226645 (2	ZNF664 (2.6)
1	>=0.20	HSF4 (4.1)	LRRC29 (2.3)	AFF1 (2.1)
1	>=0.20	WDR76 (5.1)	FEN1 (4.1)	KPNB1 (3.7)
1	>=0.20	LCMT2 (2.6)	OR5J2 (2.6)	ZNF614 (2.2)

1	>=0.20	DNAH10 (3.0)	ENSG00000256746 (2	ENSG00000181123 (2
1	>=0.20	C1QTNF4 (3.3)	TRNP1 (2.4)	C16orf86 (2.4)
1	>=0.20	HSF4 (5.0)	ENSG00000226334 (2	NOL3 (2.8)
1	>=0.20	WDR76 (4.8)	CTDSPL2 (4.3)	C16orf48 (3.8)
1	>=0.20	GNAO1 (2.8)	CCDC116 (2.1)	CX3CL1 (2.1)
1	>=0.20	ABCA8 (2.4)	DNAH10 (2.3)	CCDC116 (2.1)
1	>=0.20	MADD (3.4)	PPIP5K1 (2.7)	PITPNM2 (2.6)
1	>=0.20	DGKG (3.3)	OR5L2 (2.5)	TBKBP1 (2.1)
1	>=0.20	OR5I1 (2.3)	OGFOD1 (2.0)	SPRYD5 (2.0)
1	>=0.20	LRP4 (3.3)	KCTD6 (2.7)	SOST (2.7)
1	>=0.20	NUP93 (2.8)	PARD6A (2.5)	PRMT7 (2.5)
1	>=0.20	GNAO1 (5.1)	MAP1A (3.6)	C1QTNF4 (3.4)
1	>=0.20	DGKG (4.1)	GNAO1 (3.2)	NEUROD2 (2.9)
1	>=0.20	MPP2 (3.8)	GNAO1 (3.4)	CX3CL1 (3.3)
1	>=0.20	MPP2 (3.8)	GNAO1 (3.4)	CX3CL1 (3.3)
1	>=0.20	ENSG00000179523 (3	CCNDBP1 (3.3)	AMBRA1 (2.9)
1	>=0.20	GNAO1 (3.0)	LCAT (2.5)	NEUROD2 (2.3)
1	>=0.20	MPP2 (3.6)	GNAO1 (3.6)	RLTPR (3.1)
1	>=0.20	TSNAXIP1 (8.6)	AGBL2 (7.0)	CCDC11 (6.9)
1	>=0.20	TSNAXIP1 (7.3)	CCDC11 (6.3)	AGBL2 (6.2)
1	>=0.20	GNAO1 (3.4)	C1QTNF4 (3.2)	SLC9A5 (3.0)
1	>=0.20	C17orf105 (7.0)	DPEP3 (4.0)	KCTD19 (3.4)
1	>=0.20	WDR76 (3.9)	CCNDBP1 (2.9)	CTDSPL2 (2.8)
1	>=0.20	PPP1R1B (3.0)	CCDC116 (1.9)	PTPRZ1 (1.8)
1	>=0.20	ENSG00000226334 (3	SNORD58C (3.0)	OR4A21P (2.8)
1	>=0.20	RAPSN (8.0)	NOL3 (2.7)	FZD9 (2.6)
1	>=0.20	FBXL20 (2.7)	DDB2 (2.4)	C16orf48 (2.3)
1	>=0.20	CYP26A1 (2.1)	GFOD2 (2.0)	EYA3 (2.0)
1	>=0.20	KBTBD4 (2.6)	OR5I1 (2.5)	RLTPR (2.4)
1	>=0.20	SLC12A3 (4.8)	ENSG00000255507 (2	KCTD6 (2.2)
1	>=0.20	C1QTNF4 (3.4)	MYO5B (3.0)	PTPRZ1 (2.7)
1	>=0.20	C1QTNF4 (3.4)	MYO5B (3.0)	PTPRZ1 (2.7)
1	>=0.20	ABCB9 (2.5)	DNAH10 (2.4)	KCTD6 (2.2)
1	>=0.20	BCAM (2.5)	SFN (2.5)	LRP4 (2.4)
1	>=0.20	DNAH10 (2.3)	ABCB9 (2.2)	KCTD6 (2.1)
1	>=0.20	NEUROD2 (3.4)	MPP2 (3.4)	PPP1R1B (2.9)
1	>=0.20	DDB2 (4.4)	C16orf48 (3.4)	WDR76 (3.1)
1	>=0.20	CCDC11 (8.1)	AGBL2 (7.6)	TSNAXIP1 (7.2)
1	>=0.20	TRNP1 (2.9)	SMPD3 (2.6)	PPP1R1B (2.6)
1	>=0.20	TGM7 (3.4)	C16orf70 (2.8)	KCTD19 (2.2)
1	>=0.20	ENSG00000247867 (3	C1QTNF4 (2.4)	TRPS1 (2.2)
1	>=0.20	ABCB9 (3.5)	KIAA0754 (3.3)	MPP2 (3.2)
1	>=0.20	ENSG00000181123 (3	ENSG00000226334 (2	MYO1H (2.3)
1	>=0.20	MPP3 (3.6)	ENSG00000182109 (3	NEUROD2 (2.9)
1	>=0.20	MADD (2.9)	TRNP1 (2.5)	BACE1 (2.1)
1	>=0.20	ACD (2.8)	NUP93 (2.8)	DDB2 (2.7)
1	>=0.20	MPP2 (3.9)	TRNP1 (3.6)	C1QTNF4 (2.8)
1	>=0.20	PAFAH1B2 (2.5)	AFF1 (2.5)	TGM5 (2.3)
1	>=0.20	OR5J2 (3.4)	PCSK7 (2.7)	C16orf86 (2.6)
1	>=0.20	MPP2 (2.8)	C1QTNF4 (2.7)	GNAO1 (2.5)

1	>=0.20	WDR76 (4.8)	CTDSPL2 (4.2)	C16orf48 (3.7)
1	>=0.20	C17orf105 (3.1)	ENSG00000182109 (3	CATSPER2 (2.7)
1	>=0.20	TGM7 (3.4)	ENSG00000181296 (2	ENSG00000256746 (2
1	>=0.20	DPEP3 (6.2)	C17orf105 (4.6)	KCTD19 (3.0)
1	>=0.20	C17orf105 (7.0)	DPEP3 (3.9)	KCTD19 (3.3)
1	>=0.20	OR4A1P (2.9)	SLC39A13 (2.8)	ZSCAN29 (2.5)
1	>=0.20	TCAP (9.8)	PACSIN3 (4.7)	MYBPC3 (4.3)
1	>=0.20	C11orf49 (2.9)	GPER (2.6)	KIAA0895L (2.3)
1	>=0.20	NEUROD2 (3.4)	RLTPR (3.3)	ABCB9 (3.2)
1	>=0.20	C11orf49 (2.3)	LIPG (2.1)	TRPS1 (1.9)
1	>=0.20	KCTD19 (3.9)	CCDC18 (3.3)	DPEP3 (3.3)
1	>=0.20	KCTD19 (3.9)	CCDC18 (3.3)	DPEP3 (3.3)
1	>=0.20	GNAO1 (4.4)	MAP1A (3.6)	PITPNM2 (3.0)
1	>=0.20	ZNF615 (3.5)	TTBK2 (2.3)	ENSG00000181123 (2
1	>=0.20	GNAO1 (4.3)	C1QTNF4 (3.1)	MPP3 (2.8)
1	>=0.20	RAPSN (6.7)	MACF1 (3.1)	MPP3 (3.1)
1	>=0.20	GNAO1 (4.3)	MPP2 (3.1)	C1QTNF4 (3.1)
1	>=0.20	OR5L2 (5.7)	ENSG00000181296 (5	OR4A1P (4.6)
1	>=0.20	TCAP (5.6)	RAPSN (4.0)	PACSIN3 (3.9)
1	>=0.20	ABCB9 (3.1)	TRNP1 (2.8)	PITPNM2 (2.8)
1	>=0.20	C11orf49 (2.9)	KCTD6 (2.3)	KBTBD4 (2.1)
1	>=0.20	PPP1R1B (4.1)	GNAO1 (2.3)	CCDC116 (2.3)
1	>=0.20	ENSG00000255507 (3	BCAM (2.7)	C1orf172 (2.6)
1	>=0.20	ENSG00000181123 (2	OR5I1 (2.2)	DGKG (2.1)
1	>=0.20	DPEP3 (5.9)	CCDC18 (4.3)	KCTD19 (3.9)
1	>=0.20	TTBK2 (3.0)	GNAO1 (2.2)	C1QTNF4 (2.1)
1	>=0.20	C17orf105 (6.8)	DPEP3 (6.5)	KCTD19 (3.2)
1	>=0.20	AFF1 (2.6)	HSF4 (2.0)	ENSG00000226334 (2
1	>=0.20	GRB7 (2.6)	C11orf9 (2.5)	NEUROD2 (2.4)
1	>=0.20	C12orf65 (2.5)	ENSG00000255507 (2	HARBI1 (2.4)
1	>=0.20	ABHD6 (2.9)	CCDC92 (2.7)	DYM (2.7)
1	>=0.20	PNMT (3.3)	C12orf65 (3.2)	HSF4 (3.0)
1	>=0.20	C16orf86 (2.2)	ENSG00000181123 (2	C17orf105 (1.9)
1	>=0.20	KCTD19 (3.0)	OR4A21P (2.7)	PNMT (2.7)
1	>=0.20	KCTD19 (3.0)	OR4A21P (2.7)	PNMT (2.7)
1	>=0.20	KCTD19 (3.0)	OR4A21P (2.7)	PNMT (2.7)
1	>=0.20	AFF1 (2.6)	CYP26A1 (2.3)	ENSG00000226334 (1
1	>=0.20	DGKG (3.1)	C1QTNF4 (2.9)	STRC (2.7)
1	>=0.20	TSNAXIP1 (4.0)	CCDC11 (3.5)	CATSPER2 (3.0)
1	>=0.20	GNAO1 (3.4)	MAP1A (3.1)	MPP3 (3.1)
1	>=0.20	PSMC3 (3.2)	CCNDBP1 (2.3)	ZFAND2A (2.2)
1	>=0.20	TCAP (4.6)	PACSIN3 (3.2)	RAPSN (2.7)
1	>=0.20	NEUROD2 (5.9)	GNAO1 (4.2)	C1QTNF4 (4.1)
1	>=0.20	CYP26A1 (2.8)	LRP4 (2.6)	HSF4 (2.1)
1	>=0.20	DPEP3 (6.0)	CCDC18 (4.3)	KCTD19 (3.8)
1	>=0.20	DPEP3 (6.0)	CCDC18 (4.3)	KCTD19 (3.8)
1	>=0.20	C17orf105 (7.2)	DPEP3 (6.3)	KCTD19 (2.9)
1	>=0.20	TCAP (6.0)	RAPSN (3.3)	PACSIN3 (3.2)
1	>=0.20	C1QTNF4 (5.3)	DGKG (4.6)	ENSG00000256746 (2
1	>=0.20	CDK12 (2.6)	CCNDBP1 (2.2)	ZNF408 (2.2)

1	>=0.20	SOST (3.4)	PNMT (2.8)	TGM5 (2.6)
1	>=0.20	CCDC116 (2.3)	TGM5 (2.1)	ENSG00000182109 (2
1	>=0.20	ENSG00000226334 (2	KCTD6 (2.2)	C17orf105 (1.9)
1	>=0.20	RAPSN (7.3)	MAP1A (3.2)	OR5I1 (3.1)
1	>=0.20	ENSG00000226334 (2	KCTD6 (2.2)	C17orf105 (1.9)
1	>=0.20	RAPSN (4.3)	DGKG (2.9)	HSF4 (2.5)
1	>=0.20	OR4A1P (2.7)	TSNAXIP1 (2.5)	PXK (2.1)
1	>=0.20	GNAO1 (3.6)	MAP1A (2.9)	DGKG (2.7)
1	>=0.20	MAP1A (3.4)	GNAO1 (3.3)	PITPNM2 (3.1)
1	>=0.20	RAPSN (7.8)	MAP1A (3.0)	MPP3 (2.8)
1	>=0.20	ENSG00000256746 (2	ENSG00000181296 (2	KLF14 (2.0)
1	>=0.20	GNAO1 (3.6)	MAP1A (2.9)	DGKG (2.8)
1	>=0.20	GNAO1 (3.6)	MAP1A (2.9)	DGKG (2.8)
1	>=0.20	C11orf49 (2.4)	AFF1 (2.2)	CYP26A1 (2.1)
1	>=0.20	MPP3 (3.0)	C1QTNF4 (3.0)	GNAO1 (2.9)
1	>=0.20	TCAP (7.1)	TAGLN (4.3)	RAPSN (3.5)
1	>=0.20	PPP1R1B (3.9)	SMPD3 (2.8)	TSNAXIP1 (2.5)
1	>=0.20	OR4A1P (2.8)	SLC39A13 (2.5)	ZNF615 (2.2)
1	>=0.20	DGKG (3.1)	CCDC116 (2.6)	ZNF615 (2.4)
1	>=0.20	GNAO1 (3.7)	MAP1A (2.9)	PITPNM2 (2.7)
1	>=0.20	DGKG (3.8)	NEUROD2 (2.3)	OR5L2 (2.2)
1	>=0.20	PNMT (4.4)	DNAH10 (3.2)	TRNP1 (2.3)
1	>=0.20	ENSG00000247867 (2	OR5J2 (2.5)	C16orf86 (2.5)
1	>=0.20	ENSG00000247867 (2	OR5J2 (2.5)	C16orf86 (2.5)
1	>=0.20	ENSG00000181296 (3	OR5I1 (2.9)	KLF14 (2.5)
1	>=0.20	ENSG00000236267 (1	ENSG00000229043 (1	LRP4 (1.8)
1	>=0.20	STRC (2.9)	MPP3 (2.8)	CYP2W1 (2.4)
1	>=0.20	CTDSPL2 (2.7)	CCDC18 (2.5)	RBM6 (2.2)
1	>=0.20	C17orf105 (6.4)	DPEP3 (4.3)	C16orf86 (2.8)
1	>=0.20	DGKG (4.4)	NEUROD2 (2.9)	C1QTNF4 (2.7)
1	>=0.20	C16orf86 (3.1)	ENSG00000181296 (2	MYO5B (2.0)
1	>=0.20	CATSPER2 (3.1)	MPP2 (2.8)	PPP1R1B (2.6)
1	>=0.20	TECTB (3.6)	STRC (3.1)	OR5L2 (2.9)
1	>=0.20	ENSG00000236267 (3	AGBL2 (2.9)	ZNF664 (2.8)
1	>=0.20	ENSG00000236267 (3	AGBL2 (2.9)	ZNF664 (2.8)
1	>=0.20	TCAP (6.1)	PACSIN3 (3.4)	RAPSN (3.3)
1	>=0.20	GNAO1 (4.2)	MAP1A (3.3)	MPP3 (2.5)
1	>=0.20	ENSG00000181123 (2	KCTD6 (2.1)	C16orf86 (2.0)
1	>=0.20	C11orf49 (2.0)	ABCB9 (1.9)	C16orf86 (1.9)
1	>=0.20	GNAO1 (3.7)	MAP1A (3.1)	DGKG (3.0)
1	>=0.20	ABCB9 (2.0)	C16orf86 (1.9)	PLEKHG4 (1.7)
1	>=0.20	C17orf105 (6.8)	C16orf86 (2.9)	CCDC116 (2.6)
1	>=0.20	PCSK7 (3.5)	PGAP3 (3.3)	DGKG (2.3)
1	>=0.20	MPP3 (4.2)	GNAO1 (3.9)	C1QTNF4 (3.6)
1	>=0.20	GNAO1 (3.6)	MPP2 (2.8)	PITPNM2 (2.7)
1	>=0.20	ENSG00000226334 (3	SEC14L4 (2.3)	ZNF350 (2.1)
1	>=0.20	GNAO1 (2.6)	DGKG (2.5)	PPIP5K1 (2.2)
1	>=0.20	AGBL2 (3.1)	ENSG00000255507 (3	GFOD2 (2.8)
1	>=0.20	TRNP1 (3.3)	MPP2 (2.7)	PPP1R1B (2.2)
1	>=0.20	C1QTNF4 (2.8)	MPP2 (2.3)	ENSG00000181296 (2

1	>=0.20	ENSG00000255507 (3	STRC (2.5)	C1QTNF4 (2.4)
1	>=0.20	TSNAXIP1 (7.0)	AGBL2 (6.4)	CCDC11 (5.5)
1	>=0.20	SLC9A5 (3.3)	MPP3 (2.7)	ENSG00000226334 (2
1	>=0.20	ENSG00000181123 (3	TRNP1 (2.6)	PPP1R1B (2.4)
1	>=0.20	GNAO1 (4.5)	C1QTNF4 (3.3)	MAP1A (3.3)
1	>=0.20	MPP2 (3.0)	CATSPER2 (3.0)	PNMT (2.8)
1	>=0.20	TCAP (6.1)	PACSIN3 (3.6)	RAPSN (3.4)
1	>=0.20	TCAP (6.1)	PACSIN3 (3.6)	RAPSN (3.4)
1	>=0.20	GNAO1 (4.5)	MPP2 (3.6)	C1QTNF4 (3.5)
1	>=0.20	DGKG (3.6)	GNAO1 (3.2)	MAP1A (2.6)
1	>=0.20	DGKG (3.6)	GNAO1 (3.2)	MAP1A (2.6)
1	>=0.20	DNAH10 (3.8)	OR5I1 (2.4)	MYO5B (2.2)
1	>=0.20	SOST (3.5)	OR4A1P (2.6)	BMP8A (2.5)
1	>=0.20	PITPNM2 (2.9)	DUS2L (2.3)	ABCB9 (2.2)
1	>=0.20	PITPNM2 (3.1)	DUS2L (2.5)	SLC9A5 (2.2)
1	>=0.20	GNAO1 (2.8)	NEUROD2 (2.1)	DGKG (1.9)
1	>=0.20	RAPSN (3.1)	DGKG (3.0)	GNAO1 (3.0)
1	>=0.20	ENSG00000181296 (2	HSF4 (2.1)	SLC9A5 (1.9)
1	>=0.20	NEUROD2 (4.5)	GNAO1 (4.1)	DGKG (3.2)
1	>=0.20	GNAO1 (3.3)	NEUROD2 (3.3)	DGKG (3.2)
1	>=0.20	C17orf105 (7.0)	DPEP3 (6.0)	KCTD19 (3.8)
1	>=0.20	C17orf105 (7.0)	DPEP3 (6.0)	KCTD19 (3.8)
1	>=0.20	ENSG00000181123 (3	OR5I1 (2.8)	OR4A1P (2.7)
1	>=0.20	TECTB (3.6)	LRRC29 (3.1)	MPP3 (2.6)
1	>=0.20	FRMD5 (3.2)	C1QTNF4 (2.9)	OR4A1P (2.7)

erived from repeating the summation 1000 times based on random loci matched by gene density. F

Reconstituted gene set Z score gene 4	Reconstituted gene set Z score gene 5	Reconstituted gene set Z score gene 6	Reconstituted gene set Z score gene 7	Reconstituted gene set Z score gene 8
SEC14L4 (3.7)	MT1H (3.7)	CCNDBP1 (3.1)	VEGFA (3.0)	ANGPTL4 (2.9)
C19orf80 (3.7)	SCARB1 (3.6)	ABCA8 (3.1)	CD300LG (3.1)	AMFR (3.1)
CD300LG (3.6)	PPY (2.9)	DGAT2 (2.7)	DUSP3 (2.5)	ENSG00000254235 (2
ESRP2 (2.7)	APOB (2.7)	C19orf80 (2.6)	ANGPTL4 (2.6)	TRIB1 (2.4)
APOA5 (4.3)	APOC1 (4.3)	DGAT2 (4.1)	SCARB1 (4.0)	NR1H3 (3.9)
LPL (4.4)	CD36 (3.9)	ANGPTL4 (3.8)	DGAT2 (3.6)	PYY (3.6)
APOC1 (3.7)	NR1H3 (3.7)	CETP (3.4)	APOC4 (3.3)	MLXIPL (3.3)
LILRA3 (3.3)	LPA (3.2)	LILRB2 (2.9)	ABCA8 (2.9)	SLC22A1 (2.9)
RANBP10 (2.9)	COBLL1 (2.9)	SCARB1 (2.7)	ANGPTL4 (2.5)	GPAM (2.4)
KCTD10 (2.6)	GLUL (2.4)	ERBB2 (2.4)	AFF1 (2.3)	CPNE2 (2.3)
TAGLN (3.0)	PVRL2 (2.9)	APOB (2.6)	APOC3 (2.6)	PLTP (2.2)
APOA4 (3.3)	CITED2 (3.2)	APOC3 (3.1)	LILRA3 (3.1)	C19orf80 (3.1)
APOA1 (6.9)	CPS1 (5.9)	F2 (5.7)	APOA5 (5.4)	C19orf80 (5.4)
GPAM (3.5)	HCAR1 (3.4)	DGAT2 (3.4)	CD36 (3.3)	SOST (2.8)
IGF2R (2.6)	SLC12A4 (2.3)	LPA (2.3)	TGM5 (2.3)	ARID1A (2.2)
MLXIPL (2.8)	GPAM (2.6)	KCTD19 (2.6)	ANGPTL4 (2.6)	GPR146 (2.5)
ERBB2 (3.3)	C1orf172 (3.0)	SNX13 (2.8)	PGAP3 (2.8)	ENSG00000226334 (2
CDK12 (3.2)	BCL3 (3.2)	TRIB1 (3.1)	PGAP3 (3.1)	MED1 (3.0)
C19orf80 (3.7)	PDHB (3.3)	GPAM (3.2)	MTCH2 (3.1)	TCAP (2.9)
NR1H3 (5.6)	APOC1 (5.6)	APOA5 (5.2)	SCARB1 (4.7)	APOB (4.7)
MAFF (3.2)	ABCA1 (3.2)	GPR146 (3.1)	PGS1 (2.8)	LILRB2 (2.8)
SLC22A1 (4.0)	ABCA1 (3.9)	LPA (3.9)	APOC1 (3.3)	MLXIPL (3.2)
DGAT2 (3.1)	MLXIPL (3.1)	TMED5 (3.0)	GPAM (2.9)	NR1H3 (2.9)
C19orf80 (2.6)	TBL2 (2.5)	LPA (2.5)	GALNT2 (2.5)	ST3GAL4 (2.3)
CD36 (5.6)	GPAM (5.5)	MLXIPL (5.4)	APOC1 (5.1)	APOA5 (5.1)
APOC3 (5.3)	APOA5 (5.1)	GPAM (5.1)	APOA4 (4.9)	CD36 (4.9)
HSF4 (2.5)	GPAM (2.5)	DGAT2 (2.4)	PLTP (2.3)	UBE2L3 (2.3)
RANBP10 (3.4)	CMIP (3.3)	NFATC3 (3.3)	FAM192A (3.3)	EDC4 (2.9)
MLXIPL (5.2)	ANGPTL4 (5.2)	DGAT2 (5.1)	PPY (4.2)	CD300LG (4.0)
PYY (3.7)	LPL (3.3)	HCAR1 (3.1)	ABCA1 (3.1)	ANGPTL4 (2.8)
HCAR1 (3.6)	VEGFA (3.4)	MTMR3 (3.0)	CELF1 (2.9)	DGAT2 (2.6)
APOC4 (4.3)	PLG (4.0)	APOC1 (3.8)	LCAT (3.8)	ABCA8 (3.7)
MAFF (3.4)	GPR146 (3.4)	CD36 (2.8)	ANGPTL4 (2.7)	VEGFA (2.6)
PYY (3.5)	C19orf80 (3.5)	HCAR1 (3.3)	GPR146 (3.1)	DGAT2 (2.9)
C19orf80 (2.8)	ENSG00000254235 (2	ANGPTL4 (2.5)	MLXIPL (2.3)	TBL2 (2.3)
C16orf70 (2.8)	GPR146 (2.7)	ENSG00000254235 (2	MLXIPL (2.6)	VEGFA (2.5)
NR1H3 (3.2)	VEGFA (3.2)	MT1H (3.0)	ANGPTL4 (2.7)	MT1X (2.6)
SCARB1 (4.0)	APOC3 (3.9)	NR0B2 (3.9)	NR1H3 (3.3)	APOA1 (3.3)
LPL (5.5)	APOC3 (5.3)	APOA4 (5.2)	APOB (5.1)	APOC1 (4.8)
MVK (6.2)	SCARB1 (6.1)	GPAM (5.5)	DGAT2 (5.2)	MLXIPL (5.1)
APOC3 (7.6)	APOB (7.3)	APOC1 (6.0)	F2 (5.6)	CPS1 (5.5)
VEGFA (3.2)	JMJD1C (2.9)	IGF2R (2.9)	KANK2 (2.8)	EXOC3L1 (2.7)
SDF2L1 (2.8)	LSM12 (2.7)	ENSG00000256746 (2	FPR3 (2.4)	APOA4 (2.3)

ANGPTL4 (2.6)	CPS1 (2.5)	CSGALNACT1 (2.4)	ENSG00000254235 (2	GALNT2 (2.2)
APOC3 (5.6)	PLG (5.1)	APOB (5.0)	F2 (5.0)	ABCA8 (4.6)
ETV5 (2.8)	GPER (2.7)	GALNT2 (2.7)	DOK4 (2.5)	BMP8A (2.5)
LPL (4.1)	CES4A (3.9)	CD36 (3.9)	HCAR1 (3.8)	ANGPTL4 (3.5)
MLXIPL (4.4)	CTRL (3.9)	TRIB1 (3.8)	CD36 (3.4)	APOA4 (3.4)
IGF2R (2.8)	ABCA1 (2.6)	CLPTM1 (2.4)	ANGPTL4 (2.4)	CD300LG (2.3)
LPL (2.7)	HCAR1 (2.7)	GPAM (2.6)	SCARB1 (2.5)	C19orf80 (2.5)
LPL (3.8)	GPAM (3.7)	CD36 (3.7)	NR1H3 (3.6)	GLUL (3.6)
ENSG00000229043 (3	COX19 (2.7)	ARFGAP2 (2.6)	COQ9 (2.6)	CIAPIN1 (2.6)
ENSG00000236267 (3	MYO1H (3.0)	TMED5 (2.8)	ACAA2 (2.7)	CPS1 (2.6)
APOB (4.4)	ACAA2 (4.4)	APOA1 (4.2)	ANGPTL4 (4.2)	APOC3 (4.1)
HNF4A (2.4)	CLPTM1 (2.2)	ABCA1 (2.1)	EXOC3L1 (2.1)	KCTD6 (2.1)
C17orf105 (2.5)	ANGPTL4 (2.3)	MTCH2 (2.2)	LPA (2.2)	ENSG00000254235 (2
TBL2 (4.9)	PPY (4.6)	ATG13 (3.6)	PYY (3.3)	TMEM208 (3.2)
FADS1 (5.7)	MLXIPL (5.1)	ACAA2 (4.6)	CD36 (4.6)	MMAB (4.5)
HCAR1 (2.5)	VEGFA (2.5)	GPR146 (2.5)	C19orf80 (2.4)	SLC12A3 (2.3)
LPL (4.5)	C19orf80 (4.1)	APOA4 (4.1)	CD300LG (3.6)	MLXIPL (3.4)
CCL22 (3.0)	ZDHHC18 (2.7)	RELB (2.7)	PGS1 (2.6)	CCL17 (2.6)
LPL (3.9)	MLXIPL (3.7)	HCAR1 (3.4)	TRIB1 (3.4)	RAPSN (3.2)
DOCK6 (3.1)	RANBP10 (3.1)	EXOC3L1 (2.9)	MTMR3 (2.9)	NFATC3 (2.8)
SETD8 (2.8)	CD36 (2.7)	KANK2 (2.6)	UVRAG (2.5)	ST3GAL4 (2.5)
LPL (4.4)	CPS1 (4.3)	DGAT2 (4.3)	ANGPTL4 (4.0)	APOC3 (3.9)
VEGFA (3.4)	CLPTM1 (3.3)	PLG (3.1)	SETD8 (2.8)	KPNB1 (2.8)
APOB (3.7)	CD36 (3.7)	FADS1 (3.5)	MMAB (3.5)	APOC3 (3.5)
APOA4 (7.4)	APOA1 (7.3)	FADS2 (7.0)	MVK (7.0)	APOB (6.8)
FADS1 (4.5)	PLG (4.4)	SCARB1 (4.2)	APOA4 (4.2)	CPS1 (4.2)
HCAR1 (4.5)	MLXIPL (4.2)	SCARB1 (4.2)	NR1H3 (4.2)	CD36 (4.0)
SLC22A1 (3.6)	DGAT2 (3.5)	C19orf80 (3.2)	LIPG (3.2)	LPA (3.2)
APOC4 (3.8)	CETP (3.5)	LIPC (3.5)	LCAT (3.5)	MT1H (3.3)
VEGFA (2.4)	C19orf80 (2.2)	LPA (2.2)	PPIP5K1 (2.2)	SLC12A3 (2.1)
VEGFA (3.2)	RANBP10 (3.1)	NFATC3 (2.9)	GPR146 (2.8)	ARID1A (2.7)
MLXIPL (5.4)	CD36 (4.5)	APOB (4.4)	GPAM (4.4)	C19orf80 (4.2)
PGAP3 (3.5)	ESRP2 (3.2)	FBXL20 (3.0)	MTMR3 (2.9)	VEGFA (2.7)
APOC3 (3.7)	FADS1 (3.7)	SCARB1 (3.7)	MMAB (3.6)	DGAT2 (3.5)
PITPNM2 (3.1)	CPS1 (2.7)	PTPRJ (2.6)	CETP (2.6)	APOC3 (2.6)
APOA5 (7.8)	PLG (7.3)	APOC3 (7.3)	APOB (7.1)	LIPC (7.1)
APOA5 (7.8)	PLG (7.3)	APOC3 (7.3)	APOB (7.1)	LIPC (7.1)
DGAT2 (2.8)	KLHL8 (2.8)	LPL (2.6)	CD36 (2.2)	C19orf80 (2.2)
APOB (7.7)	F2 (6.3)	CPS1 (5.4)	C19orf80 (5.1)	APOA5 (5.0)
LILRA3 (2.8)	ZDHHC18 (2.7)	BCL3 (2.7)	PTPRJ (2.7)	CCL22 (2.4)
FADS1 (4.6)	GPAM (4.5)	MVK (4.4)	MMAB (4.3)	DGAT2 (4.1)
APOC3 (4.0)	DGAT2 (4.0)	APOA1 (3.8)	NR1H3 (3.7)	APOC1 (3.6)
CETP (3.0)	PLTP (2.8)	FPR3 (2.6)	ANGPTL4 (2.6)	SPI1 (2.5)
PYY (2.5)	APOA4 (2.4)	TMEM101 (2.4)	MLXIPL (2.3)	ABCA8 (2.3)
C19orf80 (3.4)	APOA4 (3.3)	MLXIPL (3.1)	PDHB (2.9)	GPAM (2.7)
DGAT2 (4.4)	APOA5 (4.0)	APOC4 (3.7)	CD36 (3.5)	GPAM (3.2)
TMED5 (3.2)	HNF4A (3.0)	SLC22A1 (2.9)	LCAT (2.8)	NR1H3 (2.8)
APOB (7.1)	F2 (6.2)	CPS1 (6.1)	C19orf80 (5.9)	APOC1 (5.9)
CD36 (4.4)	GPAM (4.2)	ANGPTL4 (4.0)	HCAR1 (3.8)	C19orf80 (3.6)
APOC1 (3.7)	LIPG (3.6)	APOE (3.1)	ACP2 (3.0)	FPR3 (2.9)

CD36 (3.3)	APOC1 (3.2)	MLXIPL (3.1)	GPAM (3.0)	CD300LG (2.6)
OASL (3.5)	CD40 (3.4)	ABCA1 (3.4)	TRADD (2.9)	PGS1 (2.9)
HCAR1 (4.2)	MMAB (4.1)	FADS1 (4.1)	C19orf80 (3.8)	FADS2 (3.8)
MLXIPL (5.5)	APOC1 (4.9)	GPAM (4.8)	APOA5 (4.7)	APOA4 (4.6)
DGAT2 (5.4)	LPL (5.2)	PPY (4.6)	C19orf80 (3.4)	ANGPTL4 (3.4)
LPA (2.5)	PPIP5K1 (2.4)	VEGFA (2.4)	COQ9 (2.2)	OR4A21P (2.2)
CMIP (2.9)	CD36 (2.8)	EXOC3L1 (2.7)	GALNT2 (2.7)	E2F4 (2.6)
APOC4 (3.5)	CD36 (3.4)	HCAR1 (3.3)	LPL (2.7)	GPAM (2.7)
KLHL8 (2.5)	DGAT2 (2.3)	CTRL (2.3)	DUSP3 (2.2)	GPER (2.0)
HCAR1 (4.3)	FADS1 (4.0)	C19orf80 (3.9)	MMAB (3.7)	FADS2 (3.6)
PGS1 (4.0)	BCL3 (3.4)	CTRL (2.9)	SPI1 (2.8)	DUSP3 (2.8)
SBNO1 (2.8)	RSPRY1 (2.7)	PGAP3 (2.6)	DYM (2.6)	HCAR1 (2.5)
PNMT (2.5)	ARHGAP1 (2.5)	C16orf70 (2.4)	ARFGAP2 (2.3)	LSM12 (2.3)
PLA2G6 (3.2)	HCAR1 (3.1)	MMAB (3.0)	GPR146 (2.9)	C19orf80 (2.9)
CETP (3.1)	HNF1A (3.0)	LILRA3 (2.9)	PLTP (2.8)	LILRB2 (2.8)
SLC22A1 (4.1)	APOC3 (3.8)	APOA1 (3.5)	APOB (3.4)	APOC4 (3.2)
BCAM (2.4)	DOK4 (2.4)	ETV5 (2.3)	RSPO3 (2.3)	PTPRJ (2.3)
JMJD1C (3.2)	MAFF (3.2)	DOCK6 (3.0)	SLC12A4 (3.0)	ANGPTL4 (2.9)
BCL3 (2.7)	VEGFA (2.6)	PACSIN3 (2.4)	TUBGCP4 (2.3)	SFN (2.2)
HCAR1 (4.2)	FADS1 (4.0)	C19orf80 (3.9)	MMAB (3.8)	FADS2 (3.6)
HCAR1 (3.7)	FADS1 (3.6)	C19orf80 (3.5)	FADS2 (3.5)	SCARB1 (3.5)
MAFF (3.1)	NOL3 (3.0)	ANGPTL4 (2.9)	DOCK6 (2.7)	GPR146 (2.4)
TMED5 (3.3)	PXK (2.5)	GALNT2 (2.4)	CATSPER2 (2.3)	CMIP (2.3)
SLC39A13 (2.8)	SFN (2.8)	LCAT (2.6)	MT1H (2.5)	MAFF (2.5)
MLXIPL (2.6)	APOA4 (2.5)	NR0B2 (2.5)	FADS2 (2.4)	HERPUD1 (2.4)
F2 (5.4)	APOC3 (4.8)	NR1H3 (4.4)	PLG (4.4)	APOE (4.3)
LCAT (3.4)	APOA5 (3.3)	ZDHHC18 (3.1)	APOC4 (3.1)	SPI1 (3.0)
LIPC (2.3)	NAGS (2.2)	MLXIPL (2.2)	ABCA1 (2.1)	DGAT2 (1.9)
EXOC3L1 (3.3)	GPR146 (3.0)	CMIP (2.9)	TGM5 (2.8)	CD40 (2.3)
KANK2 (2.8)	LRP4 (2.4)	CPS1 (2.4)	C16orf70 (2.4)	CITED2 (2.4)
CPS1 (4.0)	HNF4A (3.8)	C19orf80 (3.7)	SLC22A1 (3.6)	NAGS (3.4)
KANK2 (3.4)	ARID1A (3.2)	CMIP (3.1)	VEGFA (2.6)	GPR146 (2.5)
APOC1 (7.8)	F2 (7.7)	APOA4 (7.4)	LIPC (6.3)	CPS1 (6.2)
HCAR1 (5.0)	CD36 (4.2)	MT1M (3.9)	MLXIPL (3.9)	NR1H3 (3.8)
CD36 (4.4)	DGAT2 (4.1)	LPL (4.0)	ANGPTL4 (3.5)	C19orf80 (3.2)
BCL3 (2.6)	E2F4 (2.5)	EXOC3L1 (2.5)	RELB (2.5)	AFF1 (2.5)
C19orf80 (3.3)	C16orf86 (3.1)	NR0B2 (3.0)	FADS2 (2.8)	GPAM (2.8)
C19orf80 (4.3)	DGAT2 (4.2)	LPL (4.0)	GPIHBP1 (3.4)	APOA5 (3.3)
MT1H (2.9)	LPL (2.7)	ANGPTL4 (2.6)	AMFR (2.5)	EPB42 (2.4)
APOA1 (7.9)	F2 (6.3)	CPS1 (5.8)	C19orf80 (5.4)	LIPC (5.2)
C19orf80 (2.9)	G6PC3 (2.9)	GPAM (2.7)	APOA5 (2.6)	VEGFA (2.5)
CSGALNACT1 (2.8)	APOA5 (2.6)	F2 (2.6)	TSNAXIP1 (2.6)	C19orf80 (2.4)
APOA1 (4.4)	APOE (4.2)	APOB (4.1)	APOA5 (4.1)	CPS1 (4.1)
HCAR1 (4.0)	FADS1 (3.5)	C19orf80 (3.4)	MMAB (3.4)	FADS2 (3.3)
CMIP (2.6)	LIPC (2.5)	DGKG (2.5)	EXOC3L1 (2.3)	MADD (2.3)
CD300LG (2.8)	LPA (2.8)	HNF1A (2.6)	VEGFA (2.5)	C19orf80 (2.4)
TAGLN (4.2)	APOB (4.0)	APOE (3.9)	APOC3 (3.8)	CPS1 (3.5)
APOA1 (4.5)	APOB (4.4)	CPS1 (4.2)	APOA5 (4.1)	APOC4 (4.1)
ENSG00000254235 (2	NR1H3 (2.7)	SPI1 (2.6)	PLTP (2.4)	CSGALNACT1 (2.3)
ABCA1 (3.6)	APOE (3.6)	NR1H3 (3.4)	LIPC (3.0)	DPEP2 (2.9)

APOA1 (4.4)	APOE (4.2)	APOA5 (4.2)	APOB (4.1)	APOC4 (4.1)
EXOC3L1 (3.6)	BCL3 (3.1)	FADS1 (2.7)	PGAP3 (2.4)	FBXL20 (2.4)
PSKH1 (2.6)	ACAA2 (2.5)	ZNF350 (2.4)	CD36 (2.4)	DGAT2 (2.4)
APOA1 (4.9)	CPS1 (4.7)	APOB (4.6)	HNF4A (4.6)	PLG (4.6)
MYBPC3 (2.8)	ARID1A (2.6)	JMJD1C (2.4)	VEGFA (2.3)	ANGPTL4 (2.2)
KPNB1 (2.4)	UBE2L3 (2.4)	DR1 (2.3)	PAFAH1B2 (2.3)	SKA1 (2.3)
DGAT2 (2.8)	MLXIPL (2.7)	MT1G (2.5)	MT1X (2.5)	MT1H (2.5)
DPEP3 (2.6)	RAPSN (2.5)	ENSG00000236267 (2	HCAR1 (2.0)	LCAT (2.0)
MLXIPL (3.5)	APOC1 (3.5)	HNF1A (3.5)	HNF4A (3.5)	APOC3 (3.4)
MLXIPL (2.7)	SPRYD5 (2.6)	NPEPPS (2.5)	VEGFA (2.5)	PLG (2.2)
MLXIPL (2.7)	SPRYD5 (2.6)	NPEPPS (2.5)	VEGFA (2.5)	PLG (2.2)
SLC12A3 (2.8)	HCAR1 (2.6)	PVRL2 (2.5)	SLC9A5 (2.3)	NR1H3 (2.2)
C19orf80 (3.2)	APOA5 (3.2)	APOC1 (3.1)	ANGPTL4 (3.0)	SLC22A1 (2.9)
CMIP (2.6)	LIPC (2.5)	DGKG (2.3)	MADD (2.3)	EXOC3L1 (2.2)
APOB (3.0)	CCL22 (2.9)	APOA5 (2.8)	MYO1H (2.7)	CCL17 (2.7)
APOA1 (4.3)	APOB (4.1)	C19orf80 (4.0)	APOA5 (4.0)	APOC1 (3.8)
LIPC (5.2)	APOC3 (5.1)	CPS1 (4.9)	APOB (4.5)	APOA5 (4.2)
APOB (3.1)	MVK (2.7)	HNF4A (2.7)	LIPG (2.7)	ESRP2 (2.6)
RELB (3.6)	OASL (3.5)	CX3CL1 (3.1)	FHOD1 (2.7)	TRIB1 (2.5)
GPAM (4.0)	MLXIPL (3.8)	HCAR1 (3.4)	APOA1 (3.2)	GPIHBP1 (3.1)
GPAM (4.0)	MLXIPL (3.8)	HCAR1 (3.4)	APOA1 (3.2)	GPIHBP1 (3.1)
GPAM (4.0)	MLXIPL (3.8)	HCAR1 (3.4)	APOA1 (3.2)	GPIHBP1 (3.1)
DGAT2 (4.3)	LPL (4.1)	BCL3 (4.0)	CD36 (3.4)	GPR146 (3.1)
APOA1 (3.2)	CPS1 (3.1)	APOC3 (3.1)	LIPC (3.0)	TMEM208 (2.6)
LPL (3.5)	CTRL (3.5)	MLXIPL (2.9)	RAPSN (2.8)	TRIB1 (2.7)
VEGFA (3.2)	MT1H (3.0)	ANGPTL4 (2.6)	BCL3 (2.4)	HERPUD1 (2.4)
NPEPPS (2.9)	MTMR3 (2.7)	IGF2R (2.6)	KPNB1 (2.5)	CKAP5 (2.4)
VEGFA (3.0)	ARID1A (3.0)	EXOC3L1 (3.0)	JMJD1C (2.7)	CELF1 (2.6)
RBM5 (2.3)	PVRL2 (2.2)	FHOD1 (2.2)	HDAC5 (2.1)	CBFB (2.1)
LPL (4.8)	CD36 (4.7)	ABCA8 (4.7)	GPAM (4.3)	NR1H3 (4.0)
DOK4 (2.8)	GPR146 (2.6)	OASL (2.5)	FADS1 (2.5)	NEUROD2 (2.4)
TAGLN (4.0)	APOE (3.9)	APOB (3.9)	APOC3 (3.8)	CPS1 (3.5)
APOA5 (3.1)	APOA1 (3.0)	APOB (2.9)	DPEP3 (2.9)	LPA (2.9)
APOC3 (5.8)	APOA5 (4.7)	PLG (4.7)	CETP (4.5)	APOA4 (4.5)
APOC3 (5.8)	APOA5 (4.7)	PLG (4.7)	CETP (4.5)	APOA4 (4.5)
CMIP (2.6)	LIPC (2.6)	MADD (2.3)	PTPRJ (2.2)	EXOC3L1 (2.2)
PGAP3 (3.2)	APOC1 (3.1)	THAP11 (2.8)	ERBB2 (2.8)	MADD (2.5)
GPAM (3.7)	MLXIPL (3.6)	HCAR1 (3.5)	NR1H3 (3.4)	LPL (3.4)
CITED2 (4.0)	ZFAND2A (3.6)	NRBF2 (3.3)	TRADD (2.8)	VEGFA (2.8)
CPS1 (4.0)	APOA1 (3.8)	APOC4 (3.7)	APOE (3.7)	APOA5 (3.6)
APOA1 (6.6)	APOC1 (6.5)	F2 (5.8)	CPS1 (5.1)	FADS1 (4.3)
MLXIPL (3.4)	HNF1A (3.0)	NAGS (2.9)	ENSG00000254235 (2	CES4A (2.2)
MLXIPL (4.4)	DGAT2 (4.3)	GPAM (4.0)	MT1X (3.5)	ACAA2 (3.5)
CSGALNACT1 (2.7)	HARBI1 (2.6)	HNF1A (2.5)	GPAM (2.4)	C19orf80 (2.4)
MTMR3 (2.4)	PCIF1 (2.4)	ARID1A (2.4)	TRPS1 (2.3)	CCL17 (2.2)
FADS1 (4.5)	PLG (4.0)	APOA5 (4.0)	SEC14L4 (3.9)	FADS2 (3.7)
LRP4 (2.8)	FPR3 (2.7)	CSGALNACT1 (2.6)	PLA2G15 (2.4)	SLC12A3 (2.4)
NR1H3 (4.5)	TMED5 (4.4)	MLXIPL (4.3)	APOA1 (4.2)	APOB (4.2)
MYO1H (2.9)	MT1X (2.8)	CD300LG (2.8)	SPRYD5 (2.6)	MT1G (2.4)
ABCA1 (6.5)	APOA4 (6.2)	F2 (6.1)	NR1H3 (6.0)	LIPC (5.9)

MLXIPL (3.4)	NAGS (3.3)	HNF1A (2.7)	ENSG00000254235 (2	CITED2 (2.4)
GPAM (5.5)	CTRL (5.4)	CD36 (5.1)	C19orf80 (4.2)	CD300LG (4.1)
APOA5 (6.0)	APOA1 (5.8)	APOC4 (5.7)	APOB (5.4)	APOC3 (5.0)
SLC12A4 (3.4)	PLTP (3.2)	IGF2R (3.0)	MACF1 (2.9)	BCAM (2.8)
DPEP2 (3.0)	FPR3 (2.9)	PLA2G15 (2.7)	APOC1 (2.5)	DDB2 (2.5)
CSGALNACT1 (2.8)	HARBI1 (2.5)	LPA (2.4)	GPAM (2.4)	HNF1A (2.3)
APOA1 (3.8)	APOC3 (3.7)	TBL2 (3.6)	LCAT (3.3)	F2 (2.9)
LIPC (8.3)	PLG (8.3)	APOC4 (8.0)	APOC1 (8.0)	APOB (7.9)
NR1H3 (3.0)	FPR3 (2.9)	ABCA1 (2.9)	PLTP (2.4)	ARFGAP2 (2.4)
CETP (2.5)	PITPNM2 (2.4)	GPIHBP1 (2.4)	DGKG (2.3)	MTMR3 (2.2)
CTRL (3.4)	ABCA1 (3.1)	ACP2 (3.0)	PLA2G15 (2.9)	SLC39A13 (2.9)
PLG (3.1)	C19orf80 (2.9)	FADS2 (2.7)	SLC12A3 (2.6)	PPIP5K1 (2.6)
DPEP2 (3.0)	CCDC11 (2.7)	LILRA3 (2.7)	LIPG (2.5)	ACP2 (2.4)
CDK12 (2.8)	MAFF (2.5)	GRB7 (2.4)	ERBB2 (2.3)	KANK2 (2.3)
CD36 (3.4)	GPAM (3.0)	LPL (3.0)	ANGPTL4 (2.9)	PLA2G6 (2.9)
ARID1A (3.6)	GPAM (3.5)	NRBF2 (3.1)	PCIF1 (3.1)	GPN2 (2.9)
CD36 (4.4)	NR1H3 (4.3)	GPAM (4.2)	MLXIPL (4.0)	APOB (4.0)
F2 (3.7)	MAFF (3.6)	HERPUD1 (3.2)	TRIB1 (3.1)	APOA1 (3.0)
COQ9 (2.8)	GPAM (2.8)	DGAT2 (2.7)	TMED5 (2.6)	PDHB (2.6)
NCOA5 (3.7)	ERBB2 (3.6)	MED1 (3.6)	GRB7 (3.5)	ARID1A (3.4)
CKAP5 (2.9)	ACD (2.7)	NUP93 (2.7)	SETD8 (2.6)	DEPDC1 (2.6)
HCAR1 (3.0)	GPR146 (2.8)	ENSG00000247445 (2	BCL7B (2.8)	ABCA1 (2.7)
EIF3J (3.2)	APOC4 (2.9)	LIPC (2.6)	F2 (2.6)	KPNB1 (2.6)
GPR146 (2.8)	MT1M (2.8)	KCTD10 (2.8)	ENSG00000181296 (2	MT1H (2.5)
NRBF2 (2.9)	GPR146 (2.8)	TTC39B (2.6)	B3GNT9 (2.5)	FPR3 (2.2)
C1orf172 (2.3)	INTS10 (2.2)	LPL (2.1)	UBE3B (2.1)	ABCA1 (2.1)
PPY (4.1)	PLG (4.1)	LCAT (4.0)	LPA (4.0)	C19orf80 (3.9)
APOA4 (3.9)	MLXIPL (3.7)	HCAR1 (3.6)	GPIHBP1 (3.2)	LPL (3.2)
GPAM (3.9)	GALNT2 (3.5)	SEC14L4 (3.1)	TMED5 (3.1)	SIDT2 (3.1)
CETP (3.1)	PGS1 (3.0)	OASL (3.0)	PSMB10 (2.9)	BCL3 (2.8)
IGF2R (2.7)	CD300LG (2.6)	SCARB1 (2.4)	ANGPTL4 (2.3)	SNX13 (2.3)
CTRL (2.5)	CD300LG (2.4)	ABCA8 (2.3)	NR0B2 (2.3)	AMFR (2.1)
C19orf80 (4.0)	PLG (3.8)	F2 (3.6)	APOA1 (3.6)	SLC22A1 (3.5)
NR1H3 (2.6)	NAGS (2.6)	MT1H (2.6)	CD36 (2.5)	C19orf80 (2.4)
APOC4 (3.4)	C19orf80 (3.1)	BACE1 (3.0)	APOE (2.8)	IGF2R (2.8)
ABCA1 (3.0)	LILRB2 (3.0)	CETP (2.7)	LILRA3 (2.6)	CD40 (2.6)
PVRL2 (2.5)	E2F4 (2.4)	C17orf57 (2.3)	GRB7 (2.3)	ARID1A (2.3)
LRP4 (3.1)	ABCA1 (2.9)	SLC12A4 (2.7)	FZD9 (2.7)	ETV5 (2.6)
GPIHBP1 (2.5)	CCL17 (2.5)	ENSG00000181123 (2	CD300LG (2.4)	MT1H (2.4)
ARID1A (2.5)	ARHGAP1 (2.5)	RAB11B (2.5)	CMIP (2.4)	PXK (2.3)
APOA4 (5.5)	APOC3 (5.1)	APOA1 (4.8)	LIPC (4.8)	APOC1 (4.7)
VEGFA (3.3)	SOST (2.7)	BMP8A (2.7)	FPR3 (2.7)	CYP2W1 (2.4)
APOE (2.9)	LPL (2.9)	SLC39A13 (2.6)	GPIHBP1 (2.6)	PVRL2 (2.4)
GPR146 (2.8)	NRBF2 (2.7)	TTC39B (2.6)	B3GNT9 (2.4)	TMEM101 (2.2)
SLC22A1 (3.1)	LIPC (3.1)	C19orf80 (3.0)	HNF4A (2.8)	CCL17 (2.6)
LIPC (5.2)	PLG (5.1)	APOA5 (4.8)	CPS1 (4.8)	APOC1 (4.5)
APOA5 (2.9)	GRB7 (2.9)	DOCK6 (2.9)	ELMO3 (2.5)	F2 (2.5)
LIPC (4.8)	PLG (4.7)	APOA5 (4.4)	CPS1 (4.3)	LCAT (4.3)
APOB (4.9)	CPS1 (4.6)	DGAT2 (4.1)	NR0B2 (3.7)	F2 (3.6)
MVK (5.7)	SCARB1 (4.4)	LIPG (3.8)	SEC14L4 (3.8)	CES4A (3.7)

FPR3 (3.8)	ABCA1 (3.3)	ACP2 (2.6)	NR1H3 (2.2)	DPEP2 (2.2)
MMAB (3.2)	ENSG00000236267 (3	LPA (2.9)	C19orf80 (2.9)	FADS1 (2.8)
PTPRJ (3.5)	SPI1 (3.4)	PITPNM2 (3.1)	APOE (3.0)	F2 (3.0)
MLXIPL (3.3)	NAGS (3.2)	HNF1A (2.8)	ENSG00000254235 (2	LIPG (2.3)
APOA5 (4.3)	APOC1 (4.1)	FPR3 (3.9)	SLC22A1 (3.8)	PLTP (3.7)
CSGALNACT1 (2.1)	HCAR1 (2.1)	ANGPTL4 (2.1)	RSPO3 (2.0)	ENSG00000226334 (1
GPR146 (2.9)	NRBF2 (2.7)	TTC39B (2.7)	B3GNT9 (2.4)	SLC22A1 (2.2)
MYBPC3 (4.1)	APOB (4.1)	ABCA1 (3.8)	DOK4 (3.3)	C11orf9 (3.3)
F2 (6.7)	APOA5 (6.6)	LIPC (5.9)	C19orf80 (5.7)	SLC22A1 (5.5)
CCL17 (2.9)	PCIF1 (2.9)	PTPRJ (2.7)	CCL22 (2.6)	ARID1A (2.4)
ABHD6 (3.5)	ZNF615 (3.5)	NR1H3 (3.4)	DGAT2 (3.1)	CD300LG (3.0)
LIPC (5.1)	PLG (5.1)	APOA5 (4.7)	CPS1 (4.7)	APOC1 (4.4)
APOA4 (5.4)	APOC3 (5.2)	APOA1 (4.8)	APOC1 (4.8)	LIPC (4.5)
PLG (5.2)	LIPC (5.2)	APOA5 (4.9)	CPS1 (4.9)	APOC1 (4.5)
ACAA2 (3.4)	DUS2L (3.3)	BBS2 (3.2)	CATSPER2 (2.6)	NR0B2 (2.6)
LPA (4.7)	APOC4 (4.5)	NAGS (3.9)	SLC12A3 (3.9)	CPS1 (3.7)
CD36 (3.3)	NR1H3 (3.1)	GPIHBP1 (3.1)	ANGPTL4 (3.0)	ZSCAN29 (2.8)
TGM5 (2.2)	C16orf70 (2.2)	ETV5 (2.1)	ENSG00000181296 (2	TRNP1 (2.1)
OR5J2 (3.2)	C16orf70 (3.0)	LPA (3.0)	LIPC (2.8)	ENSG00000236267 (2
MT1H (2.8)	NAGS (2.8)	SEC14L4 (2.7)	SLC22A1 (2.5)	STRC (2.4)
APOA5 (7.3)	LIPC (6.8)	APOC1 (6.1)	CPS1 (6.0)	C19orf80 (5.6)
PLA2G15 (3.0)	APOA5 (3.0)	APOC4 (3.0)	SLC12A3 (2.9)	DNAH10 (2.8)
NR1H3 (3.7)	LIPC (3.7)	NR0B2 (3.5)	APOA1 (3.5)	APOB (3.4)
NR1H3 (3.7)	LIPC (3.7)	NR0B2 (3.5)	APOA1 (3.5)	APOB (3.4)
SFN (4.8)	APOC3 (4.4)	PLTP (4.4)	APOB (4.1)	LIPC (3.9)
OR5L2 (2.2)	CPNE2 (2.0)	NUP160 (1.9)	NUDT21 (1.9)	CKAP5 (1.9)
ENSG00000247445 (2	APOA5 (2.5)	NR0B2 (2.4)	CPS1 (2.3)	TGM7 (2.3)
LIPC (4.8)	CPS1 (4.7)	PLG (4.7)	APOA5 (4.3)	APOC3 (4.2)
CETP (4.0)	APOE (3.2)	PLA2G15 (3.1)	PLTP (3.0)	APOC1 (3.0)
RAB11B (2.6)	PDIA3 (2.5)	ACP2 (2.4)	LILRA3 (2.2)	BACE1 (2.2)
FADS1 (3.3)	GPAM (3.3)	FADS2 (3.2)	DGAT2 (3.2)	PLA2G6 (3.1)
APOE (4.4)	PLG (4.0)	LIPC (4.0)	APOC4 (3.9)	APOA5 (3.7)
BCL3 (5.4)	LILRB2 (4.2)	RELB (3.8)	SPI1 (3.8)	RBPJ (3.0)
ABCA8 (4.5)	PLG (4.4)	F2 (4.0)	SLC22A1 (4.0)	CPS1 (3.5)
MLXIPL (4.7)	GPAM (4.4)	ABCA1 (3.7)	C19orf80 (3.5)	GLUL (3.4)
DGAT2 (6.7)	MVK (5.8)	MLXIPL (5.4)	MMAB (5.0)	C19orf80 (4.4)
SEC14L4 (2.6)	DGAT2 (2.3)	ABCA8 (2.3)	APOA4 (2.1)	MMAB (2.1)
AMBRA1 (3.3)	CBFB (3.2)	CITED2 (3.2)	BUD13 (3.0)	MAFF (2.9)
VEGFA (2.4)	PTPRZ1 (2.3)	CETP (2.3)	CD300LG (2.3)	CPNE2 (2.2)
HCAR1 (3.3)	DGAT2 (3.3)	MLXIPL (3.2)	C19orf80 (3.1)	LPL (2.9)
HCAR1 (3.3)	DGAT2 (3.3)	MLXIPL (3.2)	C19orf80 (3.1)	LPL (2.9)
DGAT2 (4.0)	CD36 (3.2)	GPAM (3.2)	HCAR1 (3.1)	NR0B2 (2.7)
TRPS1 (3.7)	SLC39A13 (3.2)	PPP1R1B (3.1)	PTPRZ1 (3.1)	MST1R (3.0)
SNX10 (3.2)	ABCA1 (3.0)	BCL3 (3.0)	CD40 (2.9)	PSMB10 (2.5)
HCAR1 (5.0)	C19orf80 (3.8)	MLXIPL (3.7)	MT1H (3.6)	MT1X (3.2)
AMBRA1 (2.1)	MST1R (2.1)	KCTD10 (2.1)	PGAP3 (2.0)	ANGPTL4 (2.0)
LPA (4.7)	APOC4 (4.6)	PLG (4.4)	MVK (4.4)	MMAB (4.2)
RELB (2.8)	TCAP (2.7)	LILRB2 (2.7)	MYO1H (2.7)	SNX10 (2.5)
CMIP (3.2)	DOK4 (3.2)	CLPTM1 (3.2)	MST1R (3.1)	VEGFA (2.7)
PSKH1 (2.2)	FBXL20 (2.2)	MED1 (2.1)	SPI1 (1.9)	BCL7B (1.8)

LCAT (3.8)	C19orf80 (3.7)	HNF4A (3.7)	LIPC (3.6)	F2 (3.4)
SLC22A1 (4.0)	LCAT (3.8)	LIPC (3.2)	APOC4 (3.2)	PLG (3.2)
THAP11 (2.4)	ACP2 (2.4)	ENSG00000181296 (2	TUBGCP4 (2.3)	NFATC3 (2.3)
EPB42 (3.5)	COBLL1 (3.1)	TTC39B (2.9)	APOC3 (2.7)	APOB (2.6)
PLA2G15 (3.2)	APOE (3.1)	DPEP2 (3.0)	ANGPTL4 (3.0)	APOC1 (2.9)
LPA (4.7)	APOC4 (4.6)	MVK (4.6)	PLG (4.4)	MMAB (4.3)
GPAM (4.6)	MLXIPL (4.5)	MMAB (4.2)	MVK (4.1)	SEC14L4 (4.0)
GPAM (4.6)	MLXIPL (4.5)	MMAB (4.2)	MVK (4.1)	SEC14L4 (4.0)
HCAR1 (3.1)	LIPG (3.0)	MT1M (2.9)	TRIB1 (2.7)	LILRA3 (2.6)
CCDC11 (2.9)	LCAT (2.7)	CPS1 (2.6)	HNF4A (2.6)	F2 (2.5)
FADS1 (4.6)	FADS2 (4.1)	CES4A (3.9)	SEC14L4 (3.4)	ACAA2 (3.2)
DGAT2 (4.7)	MMAB (4.6)	MVK (4.4)	MLXIPL (4.4)	SEC14L4 (3.9)
PDE3A (3.5)	BCAM (3.0)	COQ9 (2.9)	ARHGAP1 (2.6)	PACSIN3 (2.5)
ENSG00000236267 (3	MLXIPL (3.3)	NR1H3 (3.2)	APOC1 (3.2)	APOC3 (3.0)
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
FADS2 (3.2)	GPAM (3.1)	SLC22A1 (3.0)	MMAB (3.0)	ABHD6 (3.0)
CTRL (3.6)	TBL2 (3.1)	CATSPER2 (3.0)	PGAP3 (2.8)	LCAT (2.5)
APOA5 (5.1)	LCAT (4.9)	C19orf80 (4.2)	APOC4 (4.1)	LPA (4.1)
HCAR1 (3.9)	ANGPTL4 (3.8)	GPAM (3.5)	ACAA2 (3.5)	DGAT2 (3.4)
SOST (3.5)	ERBB2 (3.4)	LRP4 (3.2)	CYP26A1 (2.9)	CD300LG (2.8)
NR1H3 (4.4)	GPAM (4.2)	HCAR1 (3.6)	APOC1 (3.2)	MLXIPL (3.0)
APOC4 (5.9)	C19orf80 (5.8)	F2 (5.3)	LPA (5.1)	SLC22A1 (4.9)
APOA5 (5.2)	APOC4 (4.7)	APOC3 (4.6)	APOA1 (4.6)	C19orf80 (4.4)
MLXIPL (3.2)	ENSG00000236267 (3	APOC1 (3.1)	NR1H3 (3.1)	APOC3 (3.0)
APOB (3.1)	LPL (2.8)	APOE (2.7)	APOA1 (2.6)	LIPC (2.6)
MVK (3.8)	FADS1 (2.9)	TTC39B (2.9)	DGAT2 (2.8)	CELSR2 (2.7)
APOB (5.2)	APOA1 (5.1)	APOA5 (5.1)	C19orf80 (4.9)	LCAT (4.7)
SLC22A1 (3.5)	CD36 (3.5)	NR0B2 (3.3)	GPR146 (3.1)	FADS1 (3.0)
LPA (3.2)	ABCA8 (2.9)	FPR3 (2.7)	LIPG (2.5)	CD36 (2.5)
CD36 (4.0)	GPR146 (3.1)	LILRB2 (2.8)	TRIB1 (2.7)	SPI1 (2.5)
MVK (3.8)	TBL2 (3.3)	HERPUD1 (3.3)	APOA1 (3.1)	CATSPER2 (3.0)
CD300LG (3.8)	GPIHBP1 (3.5)	MLXIPL (3.1)	GPR146 (3.0)	LPL (2.9)
ABCA8 (3.3)	TGM5 (3.0)	SEC14L4 (2.7)	FADS2 (2.7)	MLXIPL (2.6)
ACAA2 (3.3)	DUS2L (3.2)	BBS2 (2.6)	NR0B2 (2.5)	HARBI1 (2.5)
OR4A21P (3.0)	DPEP2 (2.6)	GPR146 (2.3)	ABCA1 (2.2)	ACP2 (2.2)
NPEPPS (3.7)	TBL2 (2.8)	GPR146 (2.6)	KIAA0895L (2.5)	C11orf49 (2.5)
APOC1 (8.8)	APOB (8.1)	NR0B2 (6.8)	F2 (6.7)	CPS1 (5.8)
LILRB2 (3.4)	TTC39B (3.0)	PGS1 (3.0)	OASL (2.5)	ZDHHC18 (2.4)
APOA4 (5.3)	APOC3 (5.1)	APOA1 (4.8)	LIPC (4.6)	APOC1 (4.6)
APOC4 (5.4)	C19orf80 (5.3)	F2 (4.8)	APOA1 (4.6)	SLC22A1 (4.6)
PLTP (3.6)	APOC1 (3.1)	SMPD3 (3.1)	FPR3 (2.8)	PLA2G15 (2.7)
APOA1 (8.1)	APOB (7.5)	F2 (6.4)	NR0B2 (6.1)	CPS1 (5.5)
ZFAND2A (5.3)	APOA4 (5.1)	HERPUD1 (4.7)	F2 (4.5)	APOC1 (4.5)
HNF4A (3.6)	APOB (3.5)	APOC3 (3.5)	LIPC (3.5)	CPS1 (3.4)
HNF4A (3.6)	APOB (3.5)	APOC3 (3.5)	LIPC (3.5)	CPS1 (3.4)
TGM5 (2.5)	ENSG00000236267 (2	NR0B2 (2.3)	SFN (2.3)	SLC22A1 (2.0)
SCARB1 (2.4)	ABCA8 (2.3)	C11orf9 (2.3)	VEGFA (2.3)	PNMT (2.2)
EYA3 (2.3)	KANK2 (2.3)	ABCA1 (2.2)	MTMR3 (2.2)	ARID1A (2.1)

DGKG (2.5)	ANGPTL4 (2.4)	VEGFA (2.4)	SCARB1 (2.3)	RAB11B (2.3)
MTCH2 (3.5)	PDHB (3.3)	DGAT2 (3.2)	GPAM (3.1)	MLXIPL (3.1)
RBPJ (2.2)	HCAR1 (2.2)	ANGPTL4 (2.1)	RSPO3 (2.0)	LPL (1.9)
TTC39B (3.0)	PTPRJ (2.8)	ST3GAL4 (2.7)	SNX10 (2.7)	MAFF (2.4)
VEGFA (3.6)	EXOC3L1 (3.5)	DOK4 (2.9)	RSPO3 (2.4)	KANK2 (2.3)
RAPSN (2.4)	SFN (2.4)	MYBPC3 (2.3)	FRMD5 (2.3)	RLTPR (2.1)
RELB (2.9)	BCL3 (2.9)	PXK (2.8)	LILRA3 (2.8)	CD40 (2.6)
CD36 (3.3)	PDE3A (3.1)	DGAT2 (3.0)	ABCA8 (2.8)	PYY (2.8)
FADS1 (7.2)	LIPG (4.5)	SCARB1 (3.9)	ENSG00000236267 (3	CTRL (3.4)
CETP (2.7)	LILRB2 (2.6)	GALNT2 (2.6)	ZDHHC18 (2.5)	PLA2G15 (2.4)
TRADD (2.7)	MON1A (2.7)	TRNP1 (2.6)	PVRL2 (2.6)	FHOD1 (2.6)
CX3CL1 (2.6)	SLC22A1 (2.6)	RELB (2.5)	OASL (2.5)	LPA (2.4)
PLG (3.0)	MT1M (2.7)	PLTP (2.7)	SOST (2.5)	LPL (2.5)
FADS1 (6.6)	DCPS (2.9)	LIPG (2.8)	NUDT21 (2.6)	TRADD (2.5)
APOC1 (3.8)	APOE (3.5)	PLG (3.4)	APOB (3.1)	APOA5 (2.7)
LILRB2 (3.0)	PTPRJ (3.0)	LPL (2.7)	BCL3 (2.7)	TRIB1 (2.6)
ATG13 (3.5)	HARBI1 (3.4)	PDHB (3.4)	CIAPIN1 (3.2)	PSMC3 (2.8)
LILRB2 (3.1)	DDB2 (3.1)	PTPRJ (2.9)	SPI1 (2.7)	RANBP10 (2.6)
IGF2R (2.8)	NEUROD2 (2.6)	GNAO1 (2.5)	CCDC92 (2.4)	DOCK6 (2.4)
MMAB (3.6)	PLG (3.6)	SLC22A1 (3.4)	FADS2 (3.3)	FADS1 (3.2)
APOA4 (5.3)	APOC3 (5.2)	APOA1 (5.0)	APOC1 (4.7)	LIPC (4.6)
CBFB (2.9)	ETV5 (2.8)	ARID1A (2.6)	FHOD1 (2.6)	PITPNM2 (2.5)
APOE (3.5)	LILRB2 (3.0)	BMP8A (2.7)	DPEP2 (2.6)	LPL (2.5)
SLC12A4 (2.9)	FHOD1 (2.8)	KIAA0754 (2.7)	KANK2 (2.7)	SOST (2.6)
HNF1A (3.0)	ENSG00000182109 (2	TRIB1 (2.9)	ANGPTL4 (2.5)	ENSG00000229043 (2
BCL3 (3.6)	CD40 (2.9)	LPA (2.8)	SNX10 (2.7)	C19orf80 (2.3)
FADS2 (4.6)	MLXIPL (4.3)	MMAB (4.2)	SEC14L4 (4.1)	MVK (3.7)
VEGFA (2.9)	APOC1 (2.6)	TMEM101 (2.5)	HERPUD1 (2.4)	DCPS (2.4)
C12orf65 (2.2)	NEUROD2 (2.2)	TGM5 (2.1)	ENSG00000226334 (2	ETV5 (1.7)
CPS1 (2.6)	CYP26A1 (2.6)	EPB42 (2.5)	TUBGCP4 (2.5)	CCDC116 (2.4)
SIK3 (3.2)	RANBP10 (3.1)	CD40 (2.8)	E2F4 (2.6)	PTPRJ (2.5)
ABHD6 (4.1)	GPAM (3.7)	MVK (3.5)	SEC14L4 (3.1)	MTCH2 (3.0)
ABCA8 (2.7)	ENSG00000254235 (2	NR0B2 (2.2)	APOA5 (2.2)	HNF4A (2.1)
BCL3 (3.7)	PGS1 (2.9)	TRIB1 (2.8)	FPR3 (2.7)	RELB (2.7)
ANGPTL4 (2.9)	CD300LG (2.8)	FHOD1 (2.8)	VEGFA (2.7)	SLC12A4 (2.4)
LPL (3.6)	DGAT2 (3.2)	GPIHBP1 (3.1)	MLXIPL (2.9)	GLUL (2.8)
MLXIPL (4.1)	GPAM (3.4)	GLUL (3.4)	GPIHBP1 (3.3)	CD36 (3.1)
PGS1 (2.4)	CD300LG (2.4)	ANGPTL4 (2.3)	AMBRA1 (2.2)	FHOD1 (2.1)
LPA (4.0)	PLG (3.9)	TMED5 (3.4)	CPS1 (3.1)	LIPC (2.7)
NR1H3 (4.8)	CD36 (4.2)	CD300LG (4.0)	GPIHBP1 (3.7)	ANGPTL4 (3.6)
DGAT2 (4.7)	GPR146 (4.3)	NR1H3 (4.1)	GPIHBP1 (3.9)	HCAR1 (3.3)
APOA1 (3.5)	CYP26A1 (3.4)	HNF4A (3.3)	BCAM (3.2)	APOC4 (2.9)
HNF4A (3.1)	LIPC (2.9)	NAGS (2.9)	AGBL2 (2.7)	APOA5 (2.7)
MIEN1 (2.5)	DUSP3 (2.5)	MED1 (2.4)	CBFB (2.4)	CCNDBP1 (2.3)
SCARB1 (2.4)	PLTP (2.4)	LILRB2 (2.3)	CYP26A1 (2.3)	PLA2G15 (2.3)
DPEP2 (3.4)	CETP (3.2)	ABCA1 (3.1)	RELB (3.0)	BCL3 (3.0)
APOB (8.4)	LIPC (6.0)	APOC1 (5.9)	PLG (5.8)	CPS1 (5.6)
APOB (8.7)	APOC1 (8.2)	APOA4 (7.4)	PLG (7.3)	LIPC (6.8)
APOB (8.7)	APOC1 (8.2)	APOA4 (7.4)	PLG (7.3)	LIPC (6.8)
RELB (3.3)	PLTP (3.1)	SPI1 (2.9)	BCL3 (2.7)	C17orf57 (2.6)

ANGPTL4 (2.9)	TAGLN (2.7)	MT1E (2.7)	MT1G (2.6)	CX3CL1 (2.5)
CD300LG (2.9)	ACAA2 (2.7)	GPAM (2.7)	DGAT2 (2.7)	APOC4 (2.7)
APOC4 (6.7)	APOA5 (5.9)	CPS1 (5.7)	APOA1 (5.3)	APOC3 (5.2)
BUD13 (3.5)	KCTD6 (3.2)	KBTBD4 (3.1)	ZNF408 (2.9)	ZNF335 (2.9)
KANK2 (3.2)	ERBB2 (3.0)	NFATC3 (2.9)	MTMR3 (2.6)	CDK12 (2.5)
ENSG00000179523 (3	SIDT2 (3.0)	PLA2G15 (3.0)	APOA4 (2.8)	HNF1A (2.8)
PITPNM2 (2.9)	APOC4 (2.7)	FADS1 (2.7)	PDE3A (2.6)	MADD (2.5)
APOA4 (5.4)	APOC3 (5.1)	APOA1 (4.9)	APOC1 (4.7)	LIPC (4.6)
LILRB2 (4.0)	MAFF (3.9)	RELB (3.7)	NR1H3 (3.2)	PTPRJ (3.0)
SLC12A4 (3.5)	SMPD3 (3.1)	LPL (3.0)	PPP1R1B (2.7)	HCAR1 (2.7)
CSGALNACT1 (2.8)	DYM (2.7)	XKR8 (2.7)	ENSG00000247867 (2	DPEP2 (2.5)
APOC4 (5.9)	ABCA8 (5.5)	SLC22A1 (4.9)	F2 (4.6)	LIPC (4.2)
APOA4 (9.8)	F2 (8.1)	CPS1 (7.3)	APOC1 (6.6)	NR0B2 (5.2)
TRIB1 (3.3)	BCL3 (3.2)	LILRA3 (3.0)	MAFF (2.6)	ABCA1 (2.5)
FADS2 (3.8)	SEC14L4 (3.7)	GPAM (3.6)	PIGV (3.4)	MVK (2.9)
ESRP2 (2.5)	MYBPC3 (2.4)	SFN (2.4)	ENSG00000247445 (2	MBD1 (2.2)
MAP1A (2.9)	ARFGAP2 (2.9)	ENSG00000182109 (2	MPP2 (2.6)	MMAB (2.6)
RANBP10 (3.3)	SEC14L4 (3.2)	SLC22A1 (3.2)	APOC4 (3.2)	NAGS (2.7)
FADS2 (5.1)	FADS1 (5.0)	APOA1 (4.9)	APOC1 (4.8)	NR1H3 (4.4)
AFF1 (2.6)	EXOC3L1 (2.6)	BCL3 (2.5)	STRC (2.4)	CMIP (2.3)
ENSG00000181123 (2	C19orf80 (2.5)	LCAT (2.5)	ENSG00000236267 (2	HNF4A (2.3)
LILRA3 (2.4)	RELB (2.4)	AFF1 (2.4)	APOC1 (2.4)	RLTPR (2.3)
SCARB1 (3.9)	APOC4 (3.8)	ABHD6 (3.6)	LIPG (3.6)	GPAM (3.5)
BCL3 (4.0)	RELB (3.8)	LILRA3 (3.7)	FPR3 (3.4)	ABCA1 (3.4)
NR1H3 (3.9)	ACP2 (3.6)	LILRB2 (3.5)	IGF2R (3.5)	SIDT2 (3.1)
SLC12A3 (3.3)	SLC39A13 (3.3)	AFF1 (2.9)	PVRL2 (2.7)	ARHGAP1 (2.3)
MT1G (2.9)	AFF1 (2.9)	SLC22A1 (2.9)	LPA (2.8)	RELB (2.8)
MYO5B (2.8)	NRBF2 (2.8)	ZDHHC18 (2.5)	ZNF335 (2.5)	JMJD1C (2.5)
MVK (2.8)	ENSG00000236267 (2	SEC14L4 (2.7)	MMAB (2.2)	CELSR2 (2.2)
PNMT (4.4)	FADS2 (4.2)	FADS1 (3.9)	NR0B2 (3.1)	GPAM (2.8)
APOA4 (5.2)	APOC3 (4.8)	APOA1 (4.7)	LIPC (4.6)	APOC1 (4.5)
LPA (4.1)	APOA5 (3.9)	EXOC3L1 (3.6)	LIPG (3.4)	MVK (3.4)
FZD9 (2.8)	PTPRZ1 (2.7)	ACP2 (2.6)	CELF1 (2.6)	LPL (2.5)
COQ9 (3.0)	DGAT2 (2.8)	PLA2G6 (2.7)	LCAT (2.7)	APOA4 (2.6)
ATG13 (4.9)	TBL2 (4.9)	TMED5 (3.7)	ZFAND2A (3.4)	TMEM208 (3.3)
C19orf80 (2.6)	LCAT (2.6)	HNF4A (2.6)	TSNAXIP1 (2.4)	NR0B2 (2.3)
SDF2L1 (3.1)	PDIA3 (3.0)	BUD13 (2.8)	ESRP2 (2.8)	ELMO3 (2.7)
FEN1 (2.9)	UBE2L3 (2.8)	NUP93 (2.8)	EIF3J (2.8)	MED1 (2.8)
ABCA1 (3.6)	APOA5 (3.6)	APOB (3.6)	NR1H3 (3.4)	APOC4 (3.4)
ANGPTL4 (6.2)	GPAM (5.5)	GPIHBP1 (4.7)	MLXIPL (4.1)	TMED5 (3.8)
F2 (4.9)	PLG (4.7)	APOC4 (4.5)	APOA5 (4.5)	APOA1 (4.4)
CITED2 (2.5)	ARHGAP1 (2.5)	ZNF408 (2.4)	DUSP3 (2.3)	RNF214 (2.3)
MT1M (2.8)	SOST (2.7)	LPL (2.7)	PLG (2.7)	TRPS1 (2.6)
MT1M (2.8)	SOST (2.7)	LPL (2.7)	PLG (2.7)	TRPS1 (2.6)
GPAM (4.6)	HCAR1 (4.5)	DGAT2 (3.9)	GPIHBP1 (3.7)	CD300LG (3.7)
F2 (5.7)	APOA4 (4.7)	LIPC (4.3)	APOC1 (4.1)	CPS1 (3.9)
APOE (3.6)	APOB (3.3)	PLTP (3.2)	NR1H3 (3.1)	ENSG00000236267 (3
MAFF (3.2)	TAGLN (3.0)	APOB (2.6)	GPAM (2.6)	CELSR2 (2.6)
MT1M (2.3)	TBKBP1 (2.3)	CD300LG (2.2)	EXOC3L1 (2.2)	NRBF2 (2.2)
MT1E (3.2)	MLXIPL (3.2)	HNF4A (3.1)	MT1H (3.1)	MT1F (3.0)

PLA2G15 (3.2)	HNF4A (3.1)	HNF1A (3.0)	APOA1 (3.0)	MVK (3.0)
NOL3 (2.7)	GPAM (2.6)	C19orf80 (2.6)	SNX10 (2.6)	LCAT (2.4)
MYO1H (2.8)	SNX10 (2.6)	MT1H (2.5)	ENSG00000247445 (2	MAFF (2.4)
ABCA1 (3.1)	BCL3 (3.1)	LILRA3 (3.0)	NRBF2 (2.9)	SPI1 (2.9)
OASL (2.9)	CELF1 (2.8)	CDK12 (2.7)	E2F4 (2.6)	TMEM62 (2.5)
APOB (4.0)	CPS1 (3.8)	APOC3 (3.5)	APOC1 (3.4)	APOA5 (3.0)
APOA5 (5.1)	LPA (4.9)	F2 (4.5)	SLC22A1 (4.5)	CETP (4.2)
MTMR3 (3.3)	AMBRA1 (3.2)	ARFGAP2 (3.1)	MED1 (3.1)	JMJD1C (3.1)
F2 (5.7)	APOA4 (4.6)	LIPC (4.3)	APOC1 (4.1)	CPS1 (3.8)
LRP4 (3.0)	PGS1 (2.3)	C17orf57 (2.3)	PXK (2.2)	PAFAH1B2 (2.2)
ELMO3 (2.6)	C16orf70 (2.6)	SCARB1 (2.5)	SEC14L4 (2.5)	SIK3 (2.3)
COBLL1 (3.2)	MAFF (3.0)	SLC39A13 (2.7)	MT1H (2.7)	VEGFA (2.4)
MT1E (3.6)	SLC12A4 (3.4)	MT1F (3.2)	ANGPTL4 (3.2)	KCTD10 (3.0)
APOA1 (6.8)	APOC3 (6.1)	SCARB1 (6.0)	F2 (5.8)	NR0B2 (4.9)
LIPG (2.6)	TAGLN (2.6)	ENSG00000254235 (2	GPIHBP1 (2.4)	RSPO3 (2.2)
COBLL1 (2.6)	ERBB2 (2.5)	MIEN1 (2.4)	GPR146 (2.4)	PGAP3 (2.3)
KANK2 (3.1)	PDE3A (2.9)	AFF1 (2.7)	VEGFA (2.7)	IGF2R (2.5)
KCTD19 (2.4)	COBLL1 (2.3)	LPA (2.3)	C19orf80 (2.1)	VEGFA (2.1)
APOA4 (5.3)	APOC3 (5.1)	APOA1 (4.9)	LIPC (4.6)	APOC1 (4.5)
CX3CL1 (3.8)	MAFF (3.4)	CD40 (3.2)	LILRA3 (3.1)	ANGPTL4 (3.1)
ZDHHC18 (3.3)	DGAT2 (3.1)	TRIB1 (3.1)	GPR146 (3.0)	CSGALNACT1 (3.0)
LIPC (5.7)	APOA5 (4.8)	SLC22A1 (4.4)	APOE (3.9)	APOC1 (3.7)
LIPC (6.3)	APOC3 (6.0)	APOB (5.9)	APOA5 (5.7)	APOC1 (5.4)
TAGLN (4.1)	FPR3 (3.3)	BCAM (3.2)	PLTP (2.9)	SLC22A1 (2.6)
FHOD1 (3.4)	BCL3 (3.1)	CLPTM1 (3.1)	PTPRJ (2.8)	TRIB1 (2.7)
APOC3 (6.8)	LIPC (6.0)	PLG (5.9)	APOA5 (5.8)	C19orf80 (4.7)
APOC3 (7.6)	LIPC (5.9)	CPS1 (5.6)	PLG (5.5)	APOA5 (5.2)
MT1E (2.8)	NAGS (2.7)	TECTB (2.6)	SEC14L4 (2.5)	SLC22A1 (2.5)
CX3CL1 (2.2)	C16orf70 (2.1)	NR1H3 (2.1)	ARHGAP1 (2.1)	LSM12 (2.0)
LPA (3.7)	CCL22 (3.1)	ACAA2 (3.1)	SEC14L4 (2.9)	APOC4 (2.9)
BCL3 (3.4)	CD40 (3.4)	TTC39B (3.0)	CD300LG (2.4)	RBPJ (2.4)
APOC3 (7.8)	LIPC (6.0)	APOA5 (5.7)	PLG (5.4)	CPS1 (5.1)
APOC3 (7.8)	LIPC (6.0)	APOA5 (5.7)	PLG (5.4)	CPS1 (5.1)
APOB (5.0)	APOC3 (5.0)	CPS1 (5.0)	APOA5 (4.9)	APOA1 (4.8)
SFN (3.6)	C1orf172 (3.1)	LIPG (2.9)	MVK (2.7)	MBD1 (2.7)
UBE2L3 (3.3)	LCMT2 (2.9)	NUP93 (2.9)	DUS2L (2.8)	EIF3J (2.8)
APOC3 (5.6)	APOA5 (4.5)	LIPC (4.5)	PLG (4.3)	C19orf80 (4.0)
FADS2 (3.4)	MMAB (3.2)	PLA2G6 (3.2)	FADS1 (3.2)	CES4A (3.2)
RANBP10 (2.7)	CETP (2.5)	MT1H (2.5)	LILRB2 (2.5)	PLTP (2.3)
F2 (5.9)	APOA4 (4.7)	LIPC (4.4)	CPS1 (4.1)	APOC1 (4.0)
MMAB (2.9)	BAZ1B (2.7)	LPA (2.6)	C12orf65 (2.5)	APOC4 (2.4)
FADS1 (7.3)	LIPG (4.6)	ENSG00000236267 (4	SCARB1 (3.9)	LPA (3.2)
FPR3 (2.4)	RANBP10 (2.1)	TBL2 (2.0)	NAGS (2.0)	CD36 (2.0)
APOC1 (3.1)	PLTP (2.8)	ABCA1 (2.8)	TCAP (2.8)	SLC12A4 (2.7)
BCL3 (3.0)	ZNF335 (2.7)	SLC7A6 (2.6)	ARID1A (2.6)	NPEPPS (2.6)
MED1 (3.2)	GRB7 (3.1)	NFATC3 (3.0)	ZNF335 (2.7)	ERBB2 (2.6)
NRBF2 (3.0)	ACAA2 (2.7)	MMAB (2.6)	G6PC3 (2.5)	MTCH2 (2.4)
NRBF2 (3.0)	ACAA2 (2.7)	MMAB (2.6)	G6PC3 (2.5)	MTCH2 (2.4)
CASC4 (2.3)	SOST (2.1)	RSPO3 (1.9)	CYP2W1 (1.9)	PDE3A (1.9)
NCOA5 (2.5)	PGS1 (2.5)	GALNT2 (2.4)	C16orf70 (2.4)	ARFGAP2 (2.3)

PSMB10 (3.6)	SNX10 (3.0)	PGS1 (2.9)	PTPRJ (2.8)	CD40 (2.7)
FADS1 (4.5)	MMAB (4.4)	PLG (4.3)	APOC4 (4.2)	APOA5 (4.0)
NCOA5 (2.7)	OR4A21P (2.4)	MPP3 (2.4)	ESRP2 (2.4)	MYO1H (2.4)
FHOD1 (2.7)	UBR1 (2.7)	SPG11 (2.5)	ENSG00000226334 (2	ELMO3 (2.4)
F2 (5.7)	APOA4 (4.6)	LIPC (4.3)	APOC1 (4.1)	CPS1 (3.9)
LIPC (6.1)	APOC4 (6.0)	APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)
LIPC (6.1)	APOC4 (6.0)	APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)
DGAT2 (2.9)	CD300LG (2.9)	GPIHBP1 (2.7)	APOC1 (2.6)	PGAP3 (2.5)
PLTP (2.8)	APOC4 (2.7)	LCAT (2.7)	APOC1 (2.6)	LIPG (2.6)
HNF4A (2.8)	CPS1 (2.5)	ABHD6 (2.4)	MLXIPL (2.3)	ACP2 (2.3)
ENSG00000247445 (3	LIPG (2.7)	MT1G (2.7)	MYO1H (2.7)	SNX10 (2.6)
DOCK6 (2.5)	TAGLN (2.5)	GPIHBP1 (2.4)	ENSG00000254235 (2	ANGPTL4 (2.2)
ELMO3 (2.6)	MAFF (2.5)	PVRL2 (2.5)	PACSIN3 (2.4)	HARBI1 (2.3)
NPEPPS (2.5)	LILRB2 (2.4)	C19orf80 (2.4)	ST3GAL4 (2.3)	CCDC116 (2.3)
APOC4 (4.1)	MLXIPL (3.5)	APOA5 (3.3)	C19orf80 (3.1)	PPY (2.7)
ELMO3 (2.8)	KCTD10 (2.7)	HCAR1 (2.3)	MST1R (2.1)	ENSG00000226645 (2
APOC3 (7.5)	LIPC (5.7)	PLG (5.5)	CPS1 (5.2)	APOA5 (5.0)
VEGFA (2.9)	CYP26A1 (2.8)	ABCA1 (2.7)	TRIB1 (2.6)	DOCK6 (2.6)
CD300LG (3.1)	LILRA3 (2.7)	KCTD10 (2.7)	TAGLN (2.5)	ANGPTL4 (2.5)
SLC12A4 (3.4)	MACF1 (3.3)	APOE (3.2)	SLC39A13 (3.1)	LPL (2.9)
SLC12A3 (2.3)	LILRB2 (2.2)	PTPRJ (2.2)	APOE (2.1)	OR4A1P (2.1)
APOC3 (6.6)	LIPC (5.5)	PLG (5.4)	APOA5 (5.3)	CPS1 (4.7)
APOC3 (7.3)	LIPC (5.7)	PLG (5.4)	CPS1 (5.2)	APOA5 (5.0)
AFF1 (3.6)	SNX10 (3.4)	SPI1 (3.2)	PSMB10 (3.0)	NLRC5 (2.7)
ACAA2 (3.6)	CPS1 (3.5)	ENSG00000236267 (3	HNF1A (3.0)	CD36 (2.9)
ABCA1 (3.4)	RELB (3.3)	ACP2 (3.3)	TRIB1 (3.1)	APOE (3.1)
APOA5 (5.9)	F2 (5.5)	LPA (5.0)	APOA1 (4.7)	SLC22A1 (4.4)
LIPC (6.6)	APOA1 (6.5)	APOC1 (6.4)	PLG (5.5)	CPS1 (5.0)
PITPNM2 (2.5)	ETV5 (2.3)	MTMR3 (2.3)	DOK4 (2.2)	CMIP (2.1)
VEGFA (3.0)	EPB42 (3.0)	AFF1 (2.8)	STRC (2.7)	PCIF1 (2.6)
CD36 (4.6)	GPAM (4.0)	MLXIPL (4.0)	ANGPTL4 (3.9)	GPIHBP1 (3.6)
C17orf105 (2.4)	GLUL (2.2)	STRC (2.1)	UBR1 (2.1)	SNX13 (2.0)
DOCK6 (2.7)	ENSG00000254235 (2	GPIHBP1 (2.5)	TAGLN (2.4)	CSGALNACT1 (2.3)
NR0B2 (2.5)	C18orf32 (2.3)	ENSG00000236267 (2	ENSG00000181123 (2	SLC22A1 (2.1)
APOC3 (7.4)	LIPC (5.8)	PLG (5.5)	CPS1 (5.2)	APOA5 (5.1)
APOC3 (7.4)	LIPC (5.7)	PLG (5.4)	CPS1 (5.1)	APOA5 (5.1)
APOC3 (7.4)	LIPC (5.7)	PLG (5.4)	CPS1 (5.1)	APOA5 (5.1)
PLG (4.5)	LIPC (4.4)	APOC1 (4.2)	APOA1 (4.0)	APOA5 (3.8)
SLC22A1 (2.6)	PYY (2.3)	MT1G (2.0)	ACAA2 (2.0)	TECTB (2.0)
APOB (3.6)	CPS1 (3.4)	LIPC (3.4)	F2 (3.3)	NR1H3 (2.9)
LRP4 (2.7)	HNF4A (2.6)	PTPRZ1 (2.6)	ARID1A (2.5)	LIPC (2.5)
MMAB (3.8)	FADS2 (3.5)	FADS1 (3.4)	MTCH2 (3.2)	SEC14L4 (3.0)
F2 (5.7)	APOA4 (4.7)	LIPC (4.4)	APOC1 (3.9)	CPS1 (3.9)
APOC3 (7.5)	LIPC (5.6)	PLG (5.5)	CPS1 (5.2)	APOA5 (5.1)
PLA2G15 (3.4)	ABCA1 (3.4)	CCL17 (3.2)	ACP2 (2.7)	LCMT2 (2.6)
FADS2 (3.9)	FADS1 (3.9)	TGM5 (3.1)	GPAM (2.9)	PLEKHG4 (2.8)
APOC1 (3.3)	ANGPTL4 (3.1)	ABCA1 (3.1)	GLUL (3.0)	PVRL2 (2.9)
C19orf80 (3.9)	APOA1 (3.8)	APOC1 (3.7)	LIPC (3.6)	SLC22A1 (3.4)
SLC22A1 (5.8)	APOA5 (5.7)	APOC1 (5.5)	F2 (4.5)	LCAT (4.4)
CETP (2.9)	GPR146 (2.9)	LILRB2 (2.9)	RELB (2.8)	SPI1 (2.7)

LPA (2.6)	VEGFA (2.4)	AGBL2 (2.4)	ENSG00000255507 (2	NFATC3 (2.3)
APOC3 (7.2)	LIPC (5.5)	PLG (5.0)	CPS1 (4.9)	APOA5 (4.7)
CPS1 (3.8)	APOA1 (3.8)	PLG (3.7)	EPB42 (3.6)	APOA5 (3.6)
ATG13 (3.2)	PDIA3 (3.0)	RANBP10 (3.0)	CES4A (2.8)	ZNF335 (2.8)
ABCA1 (3.6)	APOB (3.4)	NR0B2 (3.2)	NR1H3 (3.2)	LCAT (3.1)
GPAM (2.8)	SCARB1 (2.7)	MLXIPL (2.6)	CITED2 (2.1)	ACP2 (2.0)
RSPO3 (3.2)	TRIB1 (3.0)	LRP4 (2.6)	CSGALNACT1 (2.5)	SLC12A4 (2.5)
MMAB (3.0)	SLC7A6 (2.8)	ANGPTL4 (2.8)	MTCH2 (2.7)	ACAA2 (2.6)
DOCK6 (2.6)	LIPC (2.6)	ABCA1 (2.6)	NFATC3 (2.3)	BCAM (2.2)
APOC3 (7.4)	LIPC (5.8)	PLG (5.5)	APOA5 (5.1)	CPS1 (5.1)
APOC3 (7.1)	LIPC (5.5)	PLG (5.0)	CPS1 (4.9)	APOA5 (4.8)
LILRB2 (3.7)	CCL22 (3.5)	ZDHHC18 (3.2)	PSMB10 (3.1)	SPI1 (3.1)
RELB (4.1)	CD40 (3.9)	ARID1A (3.0)	FBXL20 (2.7)	BUD13 (2.5)
LPA (6.5)	SLC22A1 (5.4)	LIPC (5.2)	APOC3 (5.1)	CPS1 (5.1)
NOL3 (3.6)	TRADD (2.9)	NPEPPS (2.5)	PPIP5K1 (2.5)	KIAA0895L (2.3)
SPI1 (3.2)	PTPRJ (3.1)	RELB (3.0)	MAFF (2.8)	BCL3 (2.8)
SPG11 (2.1)	ZNF615 (2.1)	C16orf48 (2.1)	SNORD58C (2.0)	MACF1 (2.0)
ZDHHC18 (3.1)	CETP (3.0)	ABCA1 (3.0)	LPL (2.8)	CX3CL1 (2.6)
APOC3 (8.1)	LIPC (6.0)	PLG (5.9)	APOA5 (5.6)	CPS1 (5.4)
IGF2R (3.0)	MST1R (2.9)	BCL3 (2.8)	CES4A (2.8)	ELMO3 (2.5)
APOA1 (4.0)	APOB (3.8)	APOC1 (3.3)	CETP (3.3)	APOC3 (3.2)
F2 (6.1)	APOA1 (6.1)	LIPC (5.7)	APOB (5.6)	CPS1 (5.3)
KCTD19 (2.8)	KLHL8 (2.6)	TRIB1 (2.5)	SETD8 (2.4)	TMEM101 (2.3)
APOC3 (6.7)	LIPC (5.4)	PLG (5.3)	APOA5 (5.3)	CPS1 (4.8)
CYP26A1 (2.6)	DOK4 (2.6)	TNKS (2.4)	DOCK6 (2.3)	EXOC3L1 (2.3)
ELMO3 (2.6)	LIPG (2.3)	ZNF613 (2.0)	ANGPTL4 (1.9)	ESRP2 (1.9)
NR1H3 (2.8)	VEGFA (2.7)	TRIB1 (2.4)	ANGPTL4 (2.2)	DPEP2 (2.1)
SPI1 (3.0)	FPR3 (2.9)	NR1H3 (2.6)	DGAT2 (2.5)	E2F4 (2.3)
LPL (3.3)	ANGPTL4 (2.7)	SMPD3 (2.6)	C19orf80 (2.5)	CD36 (2.5)
APOC4 (3.5)	PLG (3.5)	F2 (3.3)	LCAT (2.8)	APOA5 (2.8)
LPA (2.7)	VEGFA (2.6)	CX3CL1 (2.5)	GPAM (2.3)	FZD9 (2.2)
BACE1 (2.7)	C17orf57 (2.6)	AGBL2 (2.4)	SLC12A4 (2.3)	PGS1 (2.2)
ARID1A (3.0)	RELB (2.7)	PGS1 (2.6)	ZDHHC18 (2.4)	MAFF (2.2)
ELMO3 (3.1)	APOC1 (2.6)	REEP3 (2.4)	CELSR2 (2.3)	NR1H3 (2.2)
ARID1A (3.0)	MACF1 (2.7)	CYP26A1 (2.5)	PTPRZ1 (2.2)	TRPS1 (2.1)
LIPG (2.7)	CCL22 (2.6)	PIGV (2.4)	LPL (2.3)	GPIHBP1 (2.2)
MT1H (3.0)	PLTP (3.0)	CETP (2.9)	ANGPTL4 (2.8)	LILRB2 (2.8)
MT1H (2.5)	MT1X (2.4)	BMP8A (2.4)	PSMC3 (2.3)	RAB11B (2.2)
ENSG00000181123 (2	FRMD5 (2.8)	PNMT (2.7)	ST3GAL4 (2.6)	COBLL1 (2.5)
ENSG00000181123 (2	FRMD5 (2.8)	PNMT (2.7)	ST3GAL4 (2.6)	COBLL1 (2.5)
APOC3 (7.4)	LIPC (5.7)	PLG (5.6)	CPS1 (5.3)	APOA5 (5.1)
TRIB1 (3.1)	CD40 (3.1)	CCL22 (2.9)	CCDC11 (2.5)	CETP (2.5)
PLG (3.4)	NR1H3 (3.0)	SEC14L4 (3.0)	MTCH2 (2.8)	ANGPTL4 (2.8)
CKAP5 (2.4)	TP53BP1 (2.3)	SPG11 (2.3)	RBPJ (2.3)	CYP26A1 (2.3)
NPEPPS (3.0)	ATG13 (2.8)	ARHGAP1 (2.7)	BCL7B (2.6)	ARFGAP2 (2.5)
ESRP2 (3.8)	ELMO3 (3.4)	PTPRZ1 (2.7)	PPY (2.3)	TTC39B (2.3)
SLC12A4 (2.8)	C11orf9 (2.5)	DGKG (2.5)	PGS1 (2.4)	TRPS1 (2.4)
CETP (3.5)	GPIHBP1 (2.9)	SPI1 (2.7)	APOE (2.7)	LILRA3 (2.5)
C19orf80 (4.3)	LIPC (4.1)	APOC4 (4.0)	APOA5 (3.9)	APOA1 (3.8)
FBXL20 (2.3)	CATSPER2 (2.3)	TRPS1 (2.2)	TTBK2 (2.0)	PSKH1 (2.0)

ZSCAN29 (2.8)	MT1M (2.7)	GPR146 (2.7)	ANGPTL4 (2.7)	NR1H3 (2.5)
SLC12A3 (2.6)	VEGFA (2.4)	KANK2 (2.4)	JMJD1C (2.4)	PVRL2 (2.4)
FADS2 (3.5)	MMAB (3.4)	PLG (3.3)	DGAT2 (3.3)	NR1H3 (3.2)
FADS2 (3.5)	MMAB (3.4)	PLG (3.3)	DGAT2 (3.3)	NR1H3 (3.2)
NOL3 (2.6)	CTDSPL2 (2.5)	ANGPTL4 (2.4)	GPR146 (2.2)	TMEM101 (2.2)
MTF2 (2.8)	EXOC3L1 (2.7)	AFF1 (2.6)	CPNE2 (2.6)	SLC7A6 (2.4)
SEC14L4 (2.6)	ACAA2 (2.4)	PITPNM2 (2.4)	NOL3 (2.3)	ZNF613 (2.0)
SLC7A6 (2.9)	APOE (2.8)	CD40 (2.7)	BCL3 (2.6)	AFF1 (2.5)
CMIP (2.7)	CLPTM1 (2.6)	KCTD10 (2.5)	PTPRJ (2.4)	RLTPR (2.2)
DGAT2 (2.6)	JMJD1C (2.3)	FADS2 (2.3)	MVK (2.2)	CPS1 (2.1)
MVK (4.5)	MLXIPL (4.4)	FADS1 (3.9)	C19orf80 (3.7)	GPAM (3.4)
PGAP3 (3.8)	ARHGAP1 (3.6)	ARID1A (3.3)	MED1 (3.2)	PDE3A (2.7)
APOB (5.7)	APOC1 (4.9)	LIPC (4.4)	APOA4 (4.3)	APOA5 (4.1)
APOB (5.7)	APOC1 (4.9)	LIPC (4.4)	APOA4 (4.3)	APOA5 (4.1)
TTBK2 (2.3)	PSKH1 (2.2)	TRPS1 (2.2)	GFOD2 (2.2)	COBLL1 (2.1)
DUSP3 (2.2)	PXK (2.1)	SLC39A13 (2.1)	MIEN1 (2.1)	KCTD10 (2.1)
APOC3 (6.8)	LIPC (5.5)	PLG (5.3)	APOA5 (5.2)	CPS1 (4.6)
PPY (4.1)	MT1X (4.0)	MT1M (3.5)	MT1F (3.1)	CTRL (3.0)
SLC12A4 (2.9)	CETP (2.7)	SPI1 (2.6)	ETV5 (2.6)	KIAA0754 (2.5)
DGAT2 (2.2)	LPL (2.2)	PLA2G15 (2.1)	MLXIPL (2.0)	C19orf80 (2.0)
HDAC5 (2.7)	DOCK6 (2.6)	PCIF1 (2.6)	HCAR1 (2.5)	C17orf57 (2.4)
APOB (5.0)	LIPC (4.3)	BCAM (4.2)	APOA1 (4.0)	PLG (3.9)
VEGFA (3.3)	APOA1 (3.3)	LCAT (3.3)	TAGLN (3.2)	APOC3 (3.0)
CX3CL1 (3.8)	C19orf80 (3.6)	CD300LG (3.1)	CITED2 (2.5)	BMP8A (2.4)
XKR8 (2.1)	MT1M (2.0)	MAFF (2.0)	MYO1H (2.0)	BCL7B (1.9)
SEC14L4 (2.8)	STRC (2.5)	COQ9 (2.5)	KCTD19 (2.4)	SLC12A3 (2.3)
E2F4 (2.4)	NFATC3 (2.4)	RBPJ (2.3)	MTMR3 (2.3)	TUBGCP4 (2.3)
CCL22 (3.4)	BCL3 (3.0)	PGS1 (2.5)	CD40 (2.4)	LILRB2 (2.4)
F2 (6.0)	APOA4 (5.1)	LIPC (4.8)	APOC1 (4.6)	PLG (4.0)
CETP (2.8)	CCL22 (2.7)	BCL3 (2.7)	TRIB1 (2.5)	ACP2 (2.3)
AFF1 (2.7)	GPIHBP1 (2.7)	VEGFA (2.6)	HDAC5 (2.5)	PDE3A (2.2)
AFF1 (2.8)	CD36 (2.7)	TBKBP1 (2.5)	RANBP10 (2.2)	GPIHBP1 (2.1)
RAPSN (2.5)	CETP (2.5)	CASC4 (2.4)	GPER (2.3)	CYP26A1 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
BACE1 (3.2)	C17orf57 (2.5)	PGS1 (2.5)	PLTP (2.2)	SLC12A4 (2.2)
SOST (3.3)	COBLL1 (2.8)	HNF4A (2.8)	MAFF (2.6)	SLC12A4 (2.5)
APOA1 (5.3)	CPS1 (5.3)	APOC3 (5.1)	PLG (4.4)	C19orf80 (4.3)
NFATC3 (2.8)	RNF214 (2.6)	ARID1A (2.5)	POLR2C (2.5)	ZNF614 (2.3)
LILRB2 (3.2)	CETP (2.7)	NR0B2 (2.6)	APOB (2.6)	DPEP2 (2.6)
FADS1 (5.3)	SCARB1 (4.1)	LPA (3.9)	LIPG (3.9)	CTRL (3.8)
APOE (3.8)	ACP2 (3.7)	SIDT2 (3.3)	LILRB2 (3.3)	IGF2R (3.3)
LIPC (4.1)	PLG (4.0)	APOE (3.9)	APOA1 (3.6)	APOA5 (3.6)
JMJD1C (2.7)	TRIB1 (2.6)	ABCA1 (2.6)	NPEPPS (2.5)	MTMR3 (2.5)
PVRL2 (3.3)	TBKBP1 (3.3)	GPR146 (2.6)	MYBPC3 (2.6)	MACF1 (2.5)
NR1H3 (3.0)	LPL (3.0)	PPP1R1B (2.9)	SLC39A13 (2.9)	HCAR1 (2.6)
PNMT (2.5)	RAB11B (2.5)	CLPTM1 (2.4)	PPP1R1B (2.2)	NFATC3 (2.2)

LIPC (6.5)	F2 (6.3)	APOC3 (5.6)	APOA1 (5.5)	C19orf80 (5.1)
APOC3 (6.6)	APOC1 (6.2)	APOB (6.1)	LIPC (4.6)	APOA5 (4.2)
NR1H3 (3.0)	ABCA1 (2.9)	MAFF (2.9)	EXOC3L1 (2.8)	CETP (2.7)
PSMB10 (2.6)	LIPG (2.5)	ZDHHC18 (2.3)	CCL22 (2.3)	RBPJ (2.2)
DGAT2 (4.4)	GPIHBP1 (4.4)	ACAA2 (4.2)	MLXIPL (4.1)	ABCA8 (3.8)
LIPC (4.6)	APOE (4.4)	APOA1 (4.4)	PLG (4.3)	APOA5 (4.1)
BCL3 (3.7)	FHOD1 (3.3)	CD40 (2.8)	CX3CL1 (2.8)	LILRA3 (2.7)
BCL3 (3.7)	FHOD1 (3.3)	CD40 (2.8)	CX3CL1 (2.8)	LILRA3 (2.7)
BCL3 (3.7)	FHOD1 (3.3)	CD40 (2.8)	CX3CL1 (2.8)	LILRA3 (2.7)
BCL3 (3.7)	FHOD1 (3.3)	CD40 (2.8)	CX3CL1 (2.8)	LILRA3 (2.7)
FADS2 (3.3)	MMAB (3.1)	MVK (2.9)	OASL (2.9)	SLC22A1 (2.6)
ZFAND2A (2.5)	RSPRY1 (2.4)	LILRA3 (2.4)	JMJD1C (2.3)	LRRC29 (2.3)
APOB (6.2)	CPS1 (5.5)	APOC1 (5.5)	F2 (5.4)	APOA5 (5.3)
MST1R (2.4)	PSKH1 (2.4)	LRP4 (2.3)	APOE (2.2)	BACE1 (2.2)
LPA (2.4)	C19orf80 (2.3)	LIPC (2.2)	SLC22A1 (2.2)	CSGALNACT1 (2.2)
F2 (4.1)	APOB (4.1)	NR0B2 (3.8)	APOC3 (3.7)	HNF4A (3.6)
APOB (5.1)	LIPC (4.4)	BCAM (4.1)	APOA1 (4.1)	PLG (4.0)
CCDC18 (3.0)	PGS1 (2.8)	CD36 (2.7)	LRP4 (2.7)	CMIP (2.6)
GPIHBP1 (2.6)	FPR3 (2.5)	CELSR2 (2.4)	ACP2 (2.3)	SPI1 (2.2)
VEGFA (2.3)	MYBPC3 (2.1)	CELF1 (2.1)	PITPNM2 (2.0)	FHOD1 (2.0)
LILRA3 (2.7)	CX3CL1 (2.7)	SLC12A3 (2.6)	ENSG00000236267 (2	ENSG00000254235 (2
ACAA2 (2.9)	BCAM (2.8)	ZFAND2A (2.7)	ESRP2 (2.2)	APOC1 (2.0)
ZFAND2A (2.7)	TMEM62 (2.6)	BCL7B (2.4)	CXXC1 (2.4)	TMED5 (2.3)
LIPC (4.8)	APOA1 (4.3)	APOA5 (4.3)	APOC4 (4.2)	APOC3 (4.1)
SEC14L4 (3.2)	C19orf80 (3.0)	MON1A (3.0)	CPS1 (2.9)	HCAR1 (2.8)
APOC4 (4.1)	LIPC (4.1)	F2 (3.9)	ABCA8 (3.5)	APOA5 (3.5)
C11orf9 (3.0)	UBE2L3 (2.7)	C17orf57 (2.3)	PGS1 (2.3)	SIK3 (2.2)
PTPRZ1 (2.7)	SMPD3 (2.7)	SOST (2.6)	LIPC (2.5)	ENSG00000181123 (2
APOB (5.0)	LIPC (4.3)	BCAM (4.1)	APOE (3.9)	PLG (3.9)
HCAR1 (3.1)	CD36 (3.0)	FPR3 (3.0)	PLTP (2.6)	HNF4A (2.3)
LIPG (2.4)	DPEP3 (2.3)	GLUL (2.2)	FPR3 (2.2)	ABCA1 (2.1)
CX3CL1 (4.6)	CD40 (4.3)	RELB (3.8)	PSMB10 (3.4)	LILRB2 (3.3)
HCAR1 (3.6)	C19orf80 (3.4)	LPL (3.2)	PLG (3.1)	SLC7A6 (3.0)
CD300LG (2.8)	GPR146 (2.5)	LPL (2.4)	SLC7A6 (2.3)	PCSK7 (2.3)
PXK (3.0)	SIDT2 (2.9)	TRADD (2.8)	ABHD6 (2.8)	UVRAG (2.8)
FADS1 (3.6)	GALNT2 (2.9)	ST3GAL4 (2.7)	FADS2 (2.6)	COBLL1 (2.3)
APOC4 (3.7)	PLG (3.6)	APOA5 (3.6)	BACE1 (3.2)	ELMO3 (2.8)
LRRC29 (3.6)	NAGS (3.2)	SEC14L4 (2.8)	PLA2G6 (2.6)	CPS1 (2.3)
TRIB1 (2.9)	CMIP (2.6)	JMJD1C (2.5)	CTDSPL2 (2.5)	TTBK2 (2.3)
SLC12A4 (3.0)	KANK2 (2.8)	APOE (2.3)	SLC39A13 (2.3)	ENSG00000236267 (2
TECTB (3.5)	LRP4 (3.5)	SLC39A13 (3.5)	SMPD3 (3.4)	APOE (3.1)
MAFF (3.6)	OASL (3.4)	LILRB2 (3.1)	CD40 (3.0)	FHOD1 (2.8)
FADS2 (4.1)	DGAT2 (3.5)	PLG (3.4)	MVK (3.2)	ABHD6 (3.2)
FADS2 (4.1)	DGAT2 (3.5)	PLG (3.4)	MVK (3.2)	ABHD6 (3.2)
PLG (4.2)	APOC1 (4.1)	SLC22A1 (3.9)	LPA (3.8)	APOA5 (3.6)
LIPG (3.2)	CD300LG (3.1)	RSPO3 (2.8)	VEGFA (2.7)	PVRL2 (2.6)
APOB (2.8)	PLG (2.6)	PGS1 (2.5)	CPS1 (2.5)	SETD8 (2.4)
MYO5B (3.6)	MST1R (3.6)	SFN (3.3)	GRB7 (3.2)	PSKH1 (3.1)
PTPRJ (2.2)	LILRB2 (2.2)	PSMB10 (2.1)	ACP2 (2.1)	TRADD (2.1)
SLC39A13 (4.0)	FPR3 (3.6)	APOC1 (3.5)	CCL17 (3.5)	CD36 (3.1)

CCL17 (3.8)	PTPRZ1 (3.4)	CCL22 (3.3)	CSGALNACT1 (3.1)	PPP1R1B (3.0)
DOCK6 (2.8)	BAZ1B (2.7)	KANK2 (2.5)	MTMR3 (2.3)	MED1 (2.3)
MVK (6.1)	APOA4 (4.5)	APOC1 (4.2)	C19orf80 (4.0)	APOB (4.0)
ENSG00000181123 (2	CPS1 (2.5)	CD36 (2.5)	SLC22A1 (2.5)	NR0B2 (2.2)
LILRA3 (2.5)	TRIB1 (2.2)	PLA2G15 (2.0)	NRBF2 (2.0)	LPL (2.0)
MAFF (3.2)	HDAC5 (3.1)	JMJD1C (2.7)	CBFB (2.6)	ERBB2 (2.4)
SEC14L4 (4.6)	APOC4 (4.4)	PLG (4.3)	EPB42 (4.2)	CES4A (3.6)
FHOD1 (2.4)	MACF1 (2.4)	RELB (2.4)	CX3CL1 (2.2)	PCSK7 (2.2)
ENSG00000254235 (2	LPL (2.5)	CD36 (2.3)	TTC39B (2.3)	MLXIPL (2.2)
MLXIPL (3.4)	FADS2 (3.4)	ACAA2 (3.0)	FADS1 (2.9)	APOC4 (2.8)
MLXIPL (3.4)	FADS2 (3.4)	ACAA2 (3.0)	FADS1 (2.9)	APOC4 (2.8)
ETV5 (3.3)	VEGFA (3.3)	FHOD1 (2.9)	CBFB (2.6)	ZFAND2A (2.6)
APOA5 (4.7)	FADS2 (4.6)	FADS1 (4.3)	APOE (4.2)	ABCA8 (3.4)
B3GNT9 (3.0)	ATG13 (2.9)	KIAA0754 (2.6)	RBM5 (2.4)	RSPRY1 (2.3)
MT1H (2.9)	MYO1H (2.8)	BMP8A (2.6)	BCL3 (2.5)	TRADD (2.3)
CETP (2.6)	ABCB9 (2.6)	SNX10 (2.4)	ZNF335 (2.3)	FHOD1 (2.3)
CX3CL1 (4.4)	CD40 (4.2)	RELB (3.6)	PSMB10 (3.4)	LILRB2 (3.3)
APOC4 (2.5)	ENSG00000255507 (2	NR0B2 (2.5)	LIPC (2.4)	SLC22A1 (2.3)
GPR146 (3.4)	CCNDBP1 (3.2)	CD36 (2.6)	KANK2 (2.5)	GALNT2 (2.3)
TBL2 (3.6)	TMED5 (3.4)	DCPS (2.7)	VEGFA (2.6)	LSM12 (2.5)
GRB7 (3.0)	HCAR1 (2.6)	LPL (2.6)	CDK12 (2.6)	CD300LG (2.4)
ABCA1 (2.6)	CSGALNACT1 (2.5)	ESRP2 (2.2)	SLC22A1 (2.1)	MT1H (2.1)
MT1F (2.4)	ENSG00000181123 (2	SMPD3 (2.1)	OR4A1P (2.1)	ENSG00000226334 (2
APOA1 (6.8)	APOB (6.4)	APOC4 (6.3)	APOC3 (6.2)	CPS1 (6.0)
PDE3A (3.2)	ERBB2 (3.0)	IGF2R (3.0)	KANK2 (2.9)	SBNO1 (2.6)
APOB (5.7)	NAGS (5.7)	APOC3 (5.6)	APOC4 (5.5)	APOA1 (5.2)
APOE (2.7)	PLTP (2.4)	LPL (2.4)	PTPRJ (2.3)	DGKG (2.2)
FPR3 (3.5)	PTPRJ (3.3)	LILRA3 (3.0)	NR1H3 (3.0)	CCL17 (2.7)
MAFF (3.2)	MTMR3 (3.1)	UVRAG (2.9)	ARID1A (2.9)	HERPUD1 (2.8)
FADS2 (2.7)	HNF1A (2.7)	MLXIPL (2.6)	APOA4 (2.5)	C19orf80 (2.5)
PLG (4.4)	APOC4 (4.2)	SEC14L4 (4.2)	EPB42 (3.9)	CES4A (3.6)
NRBF2 (2.9)	MFAP1 (2.8)	NPEPPS (2.7)	KBTBD4 (2.7)	F2 (2.6)
LRP4 (2.5)	SIDT2 (2.4)	PTPRZ1 (2.4)	SIK3 (2.1)	ARID1A (2.1)
APOC3 (7.6)	APOA4 (7.0)	CPS1 (6.6)	LIPC (6.3)	APOC1 (5.1)
ABCA8 (3.3)	DDB2 (2.7)	AFF1 (2.6)	PAFAH1B2 (2.6)	VEGFA (2.6)
APOA4 (5.4)	APOC3 (5.2)	APOA1 (5.0)	CPS1 (4.7)	LIPC (4.5)
F2 (5.9)	APOA4 (5.1)	APOC1 (4.5)	LIPC (4.5)	PLG (4.0)
MLXIPL (3.5)	CD36 (3.1)	PLA2G6 (3.0)	NR1H3 (2.8)	NAGS (2.6)
SPI1 (3.1)	NCOA5 (2.6)	MACF1 (2.5)	FPR3 (2.4)	NFATC3 (2.3)
LRP4 (3.8)	PTPRZ1 (3.5)	SOST (3.1)	LPL (3.0)	CYP26A1 (2.4)
LPL (2.5)	MLXIPL (2.3)	DGAT2 (2.2)	MAFF (2.2)	NR0B2 (2.1)
TTC39B (2.7)	MTMR3 (2.6)	DOCK6 (2.5)	SNX13 (2.4)	PTPRJ (2.3)
SIDT2 (2.6)	DPEP2 (2.5)	KCTD6 (2.3)	TBL2 (2.3)	PYY (2.3)
IGF2R (2.7)	RLTPR (2.6)	RELB (2.5)	BCL3 (2.5)	ZDHHC18 (2.4)
RAB11B (2.2)	CMIP (2.2)	DEPDC1 (2.2)	CSGALNACT1 (2.1)	RSPRY1 (2.1)
APOA5 (4.2)	HNF4A (3.9)	APOC4 (3.9)	CES4A (3.5)	FADS2 (3.3)
APOA5 (4.2)	HNF4A (3.9)	APOC4 (3.9)	CES4A (3.5)	FADS2 (3.3)
LIPC (6.2)	PLG (6.0)	APOA1 (6.0)	APOC3 (5.6)	CPS1 (5.4)
ENSG00000254235 (2	GPR146 (2.4)	ST3GAL4 (2.4)	XKR8 (2.3)	LPA (2.2)
MBD1 (3.0)	AMFR (2.9)	ARID1A (2.9)	AMBRA1 (2.9)	UBE2L3 (2.8)

PTPRJ (2.9)	CCL17 (2.8)	CETP (2.8)	ETV5 (2.6)	CD40 (2.5)
APOB (5.1)	LIPC (4.3)	BCAM (4.1)	APOA1 (3.9)	PLG (3.8)
LILRB2 (3.8)	LILRA3 (3.7)	RELB (3.2)	RBPJ (3.0)	BCL3 (2.8)
ABCA8 (3.2)	ENSG00000226645 (3	MVK (3.1)	TGM5 (3.0)	FADS2 (2.9)
APOA5 (3.8)	LPA (3.7)	CD36 (3.4)	PDHB (3.2)	PLG (3.2)
CTRL (2.6)	MPP2 (2.6)	F2 (2.4)	CLPTM1 (2.4)	NLRC5 (2.4)
SPI1 (3.0)	PNMT (2.8)	MST1R (2.4)	ST3GAL4 (2.3)	SLC12A4 (2.3)
RAB11B (2.9)	TRADD (2.8)	PCIF1 (2.7)	CBFB (2.5)	RELB (2.4)
BMP8A (2.4)	CD40 (2.4)	EXOC3L1 (2.3)	DUS2L (2.3)	EYA3 (2.1)
ABCA8 (2.8)	TAGLN (2.7)	F2 (2.7)	LPL (2.6)	PLTP (2.4)
MAFF (2.8)	UVRAG (2.6)	AMFR (2.5)	ARFGAP2 (2.4)	RANBP10 (2.4)
EPB42 (2.6)	HNF4A (2.5)	MT1M (2.5)	PDE3A (2.3)	CES4A (2.3)
AMFR (3.0)	SDF2L1 (2.8)	VEGFA (2.5)	CASC4 (2.3)	FADS1 (2.2)
BCAM (3.5)	PVRL2 (3.5)	ANGPTL4 (2.9)	LILRA3 (2.8)	LILRB2 (2.5)
GPR146 (3.4)	RSPO3 (2.9)	SLC7A6 (2.8)	CETP (2.7)	ANGPTL4 (2.7)
FPR3 (3.3)	LILRA3 (3.2)	SNX10 (3.1)	PTPRJ (2.9)	ZDHHC18 (2.6)
DOCK6 (2.4)	RSPO3 (2.1)	ENSG00000226334 (2	CYP26A1 (2.1)	EXOC3L1 (2.0)
CETP (2.5)	CPS1 (2.5)	OR5I1 (2.5)	SFN (2.4)	F2 (2.4)
APOA1 (5.2)	APOB (4.9)	APOC3 (4.4)	APOC1 (4.1)	HNF4A (3.8)
RELB (2.8)	SNX10 (2.8)	FPR3 (2.7)	PSMB10 (2.7)	ABCA1 (2.7)
ENSG00000236267 (3	MST1R (2.9)	C1orf172 (2.8)	HDAC5 (2.5)	SEC14L4 (2.2)
DUSP3 (2.7)	SIDT2 (2.7)	CLPTM1 (2.6)	DCPS (2.5)	CCDC92 (2.5)
HERPUD1 (3.6)	ARHGAP1 (3.3)	PDIA3 (3.0)	SDF2L1 (3.0)	SLC39A13 (2.7)
GPR146 (2.8)	FPR3 (2.7)	HCAR1 (2.4)	TRPS1 (2.2)	C1orf172 (2.2)
PPIP5K1 (2.4)	COBLL1 (2.3)	PTPRJ (2.2)	TCAP (2.2)	ARHGAP1 (2.1)
APOC3 (5.0)	PLG (4.6)	APOA5 (4.3)	APOA1 (4.1)	APOC4 (4.1)
NCOA5 (2.9)	HDAC5 (2.8)	BCL3 (2.8)	PCIF1 (2.8)	MAFF (2.8)
LILRB2 (3.6)	TRIB1 (3.6)	SNX10 (3.1)	MAFF (2.8)	CD40 (2.8)
SPI1 (2.7)	PVRL2 (2.6)	FHOD1 (2.5)	APOE (2.4)	ST3GAL4 (2.4)
GPIHBP1 (3.2)	NOL3 (2.7)	CD300LG (2.6)	HSF4 (2.5)	MT1H (2.4)
MMAB (6.7)	GPAM (5.8)	MLXIPL (4.6)	C19orf80 (4.2)	DGAT2 (4.2)
GPER (2.0)	C18orf32 (1.9)	GLUL (1.9)	GPAM (1.8)	KCTD6 (1.7)
OR4A21P (3.1)	VEGFA (2.6)	EXOC3L1 (2.5)	KANK2 (2.4)	RSPO3 (2.3)
GPR146 (3.3)	LILRB2 (3.2)	ZDHHC18 (2.8)	CETP (2.7)	RELB (2.6)
SPI1 (3.6)	LILRB2 (3.1)	CD36 (3.1)	ABCA8 (2.9)	LILRA3 (2.8)
DUS2L (3.0)	SLC7A6 (3.0)	B3GNT9 (2.8)	ATG13 (2.5)	PRMT7 (2.5)
CLPTM1 (2.7)	THAP11 (2.6)	CCL22 (2.5)	TOMM40 (2.5)	CPNE2 (2.5)
AFF1 (2.7)	IGF2R (2.5)	CITED2 (2.5)	ZNF614 (2.5)	CCL17 (2.5)
TAGLN (3.1)	MACF1 (2.9)	ACP2 (2.9)	LPL (2.7)	MAP1A (2.6)
APOA1 (4.1)	APOA5 (4.1)	LIPC (3.9)	C19orf80 (3.7)	APOC3 (3.6)
TRPS1 (3.3)	FZD9 (3.2)	LPL (2.9)	SMPD3 (2.8)	LRP4 (2.4)
GLUL (2.4)	APOE (2.3)	VEGFA (2.2)	HDAC5 (2.2)	LILRB2 (2.2)
GPR146 (3.8)	MT1H (3.1)	CCNDBP1 (2.9)	MT1E (2.2)	GLUL (2.1)
PGS1 (4.1)	CCL17 (3.1)	TRIB1 (2.7)	ST3GAL4 (2.5)	LILRB2 (2.4)
TRIB1 (3.9)	OASL (3.4)	FHOD1 (3.2)	CD40 (2.8)	CX3CL1 (2.6)
F2 (8.1)	APOC1 (5.8)	APOA4 (5.4)	LIPC (5.3)	CPS1 (5.1)
DOCK6 (2.5)	SLC9A5 (2.3)	MST1R (2.2)	CBFB (2.2)	FZD9 (2.2)
SPRYD5 (2.9)	C11orf9 (2.8)	SLC39A13 (2.5)	BMP8A (2.5)	SLC12A4 (2.4)
APOC1 (2.6)	LCAT (2.5)	ENSG00000181296 (2	LIPC (2.3)	PIGV (2.2)
PLG (5.7)	APOB (5.5)	APOC3 (4.9)	APOA5 (4.7)	APOC4 (4.5)

PACSIN3 (3.2)	SOST (2.8)	PDE3A (2.3)	GNAO1 (2.3)	ST3GAL4 (2.2)
ENSG00000179523 (2	C12orf65 (2.3)	APOE (2.2)	CPS1 (2.2)	SPRYD5 (2.2)
BCL3 (2.6)	ABCA1 (2.6)	SIDT2 (2.1)	STRC (1.9)	PLTP (1.9)
MMAB (2.4)	JMJD1C (2.4)	SETD8 (2.2)	MVK (2.2)	CSGALNACT1 (2.2)
PPP1R1B (2.7)	MST1R (2.5)	SETD8 (2.3)	ZNF350 (2.2)	AFF1 (2.1)
GPIHBP1 (3.0)	DOCK6 (2.9)	TTC39B (2.8)	PDE3A (2.8)	SCARB1 (2.8)
MTMR3 (2.5)	SLC9A5 (2.4)	PDE3A (2.4)	HSF4 (2.4)	ABCA1 (2.3)
CENPT (2.5)	SKA1 (2.4)	MPHOSPH9 (2.4)	LPA (2.2)	HSF4 (2.2)
SLC22A1 (5.9)	LPA (5.5)	CPS1 (4.9)	LCAT (4.7)	APOC1 (4.2)
FADS1 (2.9)	APOC3 (2.8)	APOC1 (2.7)	APOE (2.7)	SPI1 (2.6)
MT1G (2.9)	G6PC3 (2.6)	C19orf80 (2.5)	BACE1 (2.5)	TAGLN (2.3)
SOST (2.8)	FPR3 (2.8)	MAFF (2.6)	LPL (2.6)	ABCA1 (2.5)
LILRA3 (2.9)	GPIHBP1 (2.6)	FPR3 (2.4)	CSGALNACT1 (2.4)	ANGPTL4 (2.2)
PLTP (4.5)	LPA (4.2)	SLC22A1 (4.0)	NR1H3 (3.7)	PLA2G15 (3.5)
SNX10 (2.7)	PGS1 (2.7)	CCL17 (2.5)	CYP2W1 (2.2)	MT1H (2.1)
APOA1 (6.8)	APOB (6.7)	APOC3 (6.4)	APOA5 (6.1)	APOC4 (5.3)
APOA1 (5.9)	APOC3 (5.5)	SCARB1 (5.4)	F2 (5.2)	APOE (4.4)
SCARB1 (3.0)	ABHD6 (3.0)	NR1H3 (3.0)	GALNT2 (2.9)	PLA2G6 (2.5)
MYO1H (2.8)	GPIHBP1 (2.7)	ENSG00000256746 (2	CD300LG (2.7)	ZNF613 (2.6)
NUDT21 (3.1)	LSM12 (3.0)	SBNO1 (3.0)	ACD (2.9)	MED1 (2.8)
MTMR3 (2.8)	E2F4 (2.8)	AFF1 (2.5)	EXOC3L1 (2.5)	BCL3 (2.5)
UBE3B (2.9)	ENSG00000247445 (2	CD36 (2.8)	KCTD10 (2.6)	DGAT2 (2.5)
MAFF (3.4)	FPR3 (3.3)	BCL3 (3.2)	LILRA3 (2.8)	PTPRJ (2.6)
F2 (5.4)	APOA4 (4.4)	LIPC (4.1)	APOC1 (3.9)	PLG (3.6)
GPIHBP1 (5.3)	GPAM (4.6)	CD300LG (3.7)	HCAR1 (3.3)	ANGPTL4 (3.3)
PDIA3 (3.5)	TMEM208 (3.4)	DYM (3.1)	COQ9 (3.1)	PRMT7 (3.1)
PDHB (2.9)	C16orf70 (2.8)	PLEKHG4 (2.6)	OR5I1 (2.5)	OR5L2 (2.5)
NUP93 (2.7)	CKAP5 (2.7)	LPA (2.6)	BUD13 (2.6)	KPNB1 (2.5)
MT1F (2.9)	ANGPTL4 (2.7)	SPRYD5 (2.6)	MT1G (2.5)	MT1X (2.5)
APOE (2.9)	AFF1 (2.7)	RBPJ (2.6)	ZNF614 (2.5)	KCTD6 (2.4)
APOB (4.0)	APOC3 (3.9)	NR0B2 (3.8)	CPS1 (3.7)	APOC1 (3.5)
APOB (4.0)	APOC3 (3.9)	NR0B2 (3.8)	CPS1 (3.7)	APOC1 (3.5)
APOA1 (5.1)	CPS1 (5.1)	APOC3 (4.4)	APOC1 (4.3)	PLG (3.8)
CD40 (3.5)	BCL3 (3.4)	TTC39B (2.4)	RBPJ (2.4)	CSGALNACT1 (2.1)
CD300LG (3.2)	LIPG (2.9)	VEGFA (2.7)	RSPO3 (2.7)	PDE3A (2.6)
EPB42 (3.2)	CD36 (2.9)	PDHB (2.9)	SEC14L4 (2.7)	GPAM (2.5)
MMAB (4.8)	MLXIPL (4.7)	GPAM (4.4)	PDHB (3.6)	C19orf80 (3.4)
JMJD1C (3.6)	MED1 (3.5)	MYBPC3 (2.9)	AFF1 (2.7)	MADD (2.7)
PLA2G6 (2.9)	MTCH2 (2.6)	DDB2 (2.6)	DGAT2 (2.5)	MVK (2.5)
MAFF (3.4)	HCAR1 (3.1)	PLEKHG4 (2.8)	TTC39B (2.6)	PGS1 (2.5)
BACE1 (3.0)	MADD (2.7)	DUSP3 (2.6)	FPR3 (2.5)	CETP (2.5)
BACE1 (3.0)	MADD (2.7)	DUSP3 (2.6)	FPR3 (2.5)	CETP (2.5)
ENSG00000226334 (2	PLA2G15 (2.6)	APOE (2.6)	DGAT2 (2.4)	APOC1 (2.3)
ENSG00000226334 (2	PLA2G15 (2.6)	APOE (2.6)	DGAT2 (2.4)	APOC1 (2.3)
APOA1 (4.6)	APOC4 (4.5)	APOA5 (4.4)	APOC3 (4.1)	SLC22A1 (3.9)
PGS1 (3.3)	BCL3 (3.0)	RBPJ (2.7)	CD300LG (2.4)	RLTPR (2.3)
C17orf105 (3.4)	CPS1 (2.9)	F2 (2.4)	APOC3 (2.2)	PDE3A (2.2)
SNX10 (2.8)	GALNT2 (2.7)	KCTD10 (2.6)	XKR8 (2.6)	CASC4 (2.6)
CCL22 (4.6)	SLC39A13 (4.3)	CCL17 (4.0)	APOE (3.5)	SNX10 (3.2)
RBPJ (3.6)	RELB (3.2)	BCL3 (3.1)	CX3CL1 (2.8)	CETP (2.8)

MAFF (3.0)	ANGPTL4 (2.9)	TRIB1 (2.9)	PACSIN3 (2.8)	ACAA2 (2.8)
GPAM (5.7)	CD36 (5.6)	HCAR1 (4.5)	C19orf80 (4.0)	NR1H3 (3.2)
DGAT2 (3.1)	APOA5 (3.1)	LPA (3.0)	LCAT (2.9)	LPL (2.9)
CATSPER2 (3.5)	HERPUD1 (3.3)	VEGFA (3.2)	APOA1 (3.1)	TBL2 (2.8)
SLC12A4 (2.9)	COQ9 (2.8)	PRMT7 (2.7)	MTCH2 (2.7)	ARFGAP2 (2.7)
APOB (6.4)	APOA1 (5.5)	CPS1 (5.0)	PLG (4.3)	APOE (4.2)
SLC22A1 (3.7)	C19orf80 (3.6)	APOA1 (3.5)	APOB (3.0)	APOC3 (3.0)
SLC12A4 (2.8)	PLEKHG4 (2.8)	C17orf57 (2.8)	C11orf9 (2.7)	APOE (2.4)
SMPD3 (3.6)	COBLL1 (2.9)	B3GNT9 (2.9)	LPL (2.7)	SLC12A4 (2.3)
CYP26A1 (2.6)	GFOD2 (2.5)	CELSR2 (2.5)	DOCK6 (2.4)	ETV5 (2.4)
PDHB (3.4)	FADS2 (3.3)	APOA5 (3.3)	COQ9 (3.2)	PLG (3.1)
RBPJ (3.8)	CD40 (3.6)	PGS1 (3.5)	TTC39B (2.8)	CD300LG (2.5)
PVRL2 (2.3)	FHOD1 (2.3)	UBE3B (2.3)	ENSG00000181296 (2	DOCK6 (2.1)
MLXIPL (4.1)	CD36 (3.3)	KLF14 (3.0)	MAFF (2.9)	APOA4 (2.6)
LPL (2.8)	CD36 (2.8)	TAGLN (2.7)	PDE3A (2.7)	PACSIN3 (2.4)
ANGPTL4 (3.5)	TTC39B (3.0)	ZFAND2A (2.9)	PGS1 (2.9)	LPL (2.7)
ZNF614 (2.7)	NR1H3 (2.6)	SPI1 (2.1)	TRIB1 (2.1)	RLTPR (2.1)
ZFAND2A (4.5)	ZNF614 (3.7)	VEGFA (3.4)	CATSPER2 (3.4)	CITED2 (2.9)
FHOD1 (3.5)	MT1H (3.0)	MAFF (2.9)	MT1G (2.6)	BCAM (2.5)
ENSG00000223745 (2	TBKBP1 (2.4)	CTRL (2.4)	PYY (2.1)	KIAA0754 (2.1)
LILRA3 (2.9)	ABCA1 (2.7)	PLTP (2.7)	DPEP2 (2.6)	LILRB2 (2.4)
CCL22 (4.1)	RELB (3.8)	CD40 (3.6)	SPI1 (3.6)	CX3CL1 (3.4)
CCL17 (2.7)	SNX10 (2.6)	SPI1 (2.4)	AFF1 (2.3)	GPR146 (2.2)
CSGALNACT1 (2.8)	DPEP2 (2.6)	BCL3 (2.4)	CPNE2 (2.4)	PGS1 (2.0)
OR4A21P (2.6)	PDE3A (2.3)	LPA (2.0)	VEGFA (2.0)	C1orf172 (1.9)
APOC4 (3.5)	APOA5 (3.5)	PLG (3.5)	BACE1 (3.3)	ABCA8 (3.0)
GPIHBP1 (5.0)	ANGPTL4 (4.9)	MLXIPL (4.3)	CD300LG (4.0)	GPAM (3.7)
MT1E (5.1)	MT1M (4.7)	MT1H (4.5)	OR4A1P (3.1)	SLC12A3 (2.9)
DGAT2 (2.9)	ABCA8 (2.8)	GPAM (2.8)	PPY (2.7)	LPA (2.6)
MTMR3 (2.4)	CTRL (2.2)	ZNF615 (2.2)	ZNF350 (2.2)	ARFGAP2 (2.0)
APOA5 (3.5)	APOC4 (3.5)	PLG (3.4)	BACE1 (3.3)	LIPC (2.9)
DOCK6 (2.6)	TAGLN (2.5)	GPIHBP1 (2.5)	FPR3 (2.3)	ENSG00000254235 (2
ENSG00000255507 (2	FADS2 (2.5)	C17orf105 (2.4)	ENSG00000247445 (2	HCAR1 (2.3)
EYA3 (2.2)	GPAM (1.9)	AMFR (1.9)	PSKH1 (1.9)	AFF1 (1.8)
SNX13 (2.4)	PLA2G6 (2.3)	UVRAG (2.3)	ARFGAP2 (2.2)	PXK (2.1)
CCL22 (4.5)	MAFF (3.6)	TRIB1 (3.3)	GPR146 (3.2)	CD40 (3.0)
GALNT2 (3.3)	RSPO3 (3.0)	BMP8A (2.9)	TRPS1 (2.8)	GPAM (2.7)
TRIB1 (3.4)	BCL3 (3.2)	RAB11B (2.9)	CX3CL1 (2.7)	ETV5 (2.4)
SNX10 (2.7)	SPI1 (2.6)	MON1A (2.5)	DGKG (2.3)	GPER (2.3)
ABCA1 (2.7)	HCAR1 (2.5)	APOE (2.4)	ANGPTL4 (2.4)	PLA2G15 (2.4)
CCL17 (3.5)	PGS1 (3.0)	RBPJ (2.7)	TTC39B (2.5)	LILRA3 (2.2)
ABHD6 (3.7)	ENSG00000254235 (3	SEC14L4 (3.7)	SIDT2 (3.3)	MLXIPL (2.8)
MBD1 (2.6)	SNORD58C (2.5)	MAFF (2.5)	TRIB1 (2.5)	PGS1 (2.5)
HARBI1 (3.1)	CD36 (3.0)	ABCA1 (2.7)	GPR146 (2.7)	APOE (2.6)
APOC1 (4.9)	LIPC (4.2)	APOC3 (4.1)	HNF4A (4.1)	APOC4 (4.0)
FADS1 (3.2)	GPAM (3.0)	C19orf80 (2.9)	HCAR1 (2.9)	FADS2 (2.8)
NRBF2 (2.6)	PCIF1 (2.6)	CIAPIN1 (2.5)	BCAM (2.5)	ACD (2.4)
TMED5 (2.5)	MT1H (2.5)	ANGPTL4 (2.5)	GLUL (2.4)	VEGFA (2.4)
CSGALNACT1 (2.2)	RSPO3 (2.2)	ENSG00000226645 (2	MLXIPL (2.0)	CD300LG (2.0)
SNX13 (2.7)	PGS1 (2.5)	DUSP3 (2.4)	PXK (2.2)	MPP2 (2.2)

APOC3 (5.8)	APOA4 (5.4)	APOC1 (5.0)	LIPC (4.1)	CPS1 (3.4)
SIDT2 (2.3)	DNAH10 (2.3)	ACP2 (2.3)	TOMM40 (2.1)	PARD6A (2.1)
ABCB9 (2.2)	KCTD10 (2.2)	PTPRJ (2.1)	CYP2W1 (2.1)	NCOA5 (1.9)
GPR146 (3.4)	DPEP2 (3.2)	MT1H (2.9)	CD36 (2.5)	CCNDBP1 (2.4)
HNF1A (2.5)	NFATC3 (2.4)	MACF1 (2.3)	NEUROD2 (2.3)	MYBPC3 (2.2)
FHOD1 (3.5)	BCL3 (3.1)	CX3CL1 (2.8)	CBFB (2.5)	RAB11B (2.4)
FHOD1 (3.5)	BCL3 (3.1)	CX3CL1 (2.8)	CBFB (2.5)	RAB11B (2.4)
FHOD1 (3.5)	BCL3 (3.1)	CX3CL1 (2.8)	CBFB (2.5)	RAB11B (2.4)
CD300LG (3.8)	MT1M (3.2)	GPIHBP1 (3.1)	C19orf80 (3.0)	KLF14 (2.7)
SMPD3 (2.4)	PPIP5K1 (2.4)	ARHGAP1 (2.4)	ZNF350 (2.2)	NFATC3 (2.2)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOA1 (3.9)	DGAT2 (3.9)	HNF4A (3.5)	APOC4 (3.3)	NAGS (3.3)
PDE3A (2.3)	MT1M (2.3)	PITPNM2 (2.3)	DNAH10 (2.2)	ABCB9 (2.2)
APOC3 (6.8)	APOA1 (5.8)	CPS1 (5.6)	PLG (4.9)	APOC4 (4.7)
KLF14 (3.8)	HCAR1 (3.2)	CD36 (2.8)	PDE3A (2.6)	CASC4 (2.4)
TBKBP1 (2.4)	ARHGAP1 (2.4)	MST1R (2.3)	DOCK6 (2.2)	MYO5B (2.1)
SLC12A4 (2.9)	IGF2R (2.7)	CETP (2.7)	BACE1 (2.5)	LPL (2.3)
MED1 (3.6)	PGAP3 (3.3)	BUD13 (3.1)	EDC4 (3.0)	KBTBD4 (2.9)
CCL22 (3.4)	PGS1 (3.1)	CD40 (2.6)	FPR3 (2.6)	ABCA1 (2.6)
APOC3 (5.7)	APOC1 (4.9)	F2 (4.6)	SCARB1 (4.5)	NR0B2 (4.5)
APOE (4.9)	PLG (4.7)	APOA1 (4.6)	LIPC (4.6)	CPS1 (4.2)
THAP11 (2.6)	CBFB (2.6)	KPNB1 (2.5)	PRMT7 (2.5)	ZNF614 (2.3)
ETV5 (2.5)	PITPNM2 (2.5)	ARHGAP1 (2.4)	IGF2R (2.3)	TRIB1 (2.1)
MMAB (3.4)	MVK (3.3)	BACE1 (3.1)	IGF2R (3.1)	KCTD10 (3.0)
CPS1 (3.8)	ABCA8 (3.7)	DPEP2 (3.3)	NR0B2 (3.1)	ABCA1 (3.0)
LPA (4.1)	APOC4 (4.0)	MTCH2 (3.3)	LCAT (3.2)	NAGS (3.0)
SPI1 (2.4)	AMFR (2.4)	LILRB2 (2.4)	LILRA3 (2.2)	NRBF2 (2.2)
CITED2 (4.4)	VEGFA (3.7)	GPR146 (3.6)	BCL3 (3.5)	ZFAND2A (3.3)
SDF2L1 (4.0)	TMEM208 (3.9)	TBL2 (3.8)	TMEM101 (3.6)	PDIA3 (3.4)
DYM (2.4)	EIF3J (2.3)	SNORD58C (2.3)	MTF2 (2.1)	GPN2 (2.1)
PLEKHG4 (2.8)	PTPRZ1 (2.7)	CYP26A1 (2.6)	C11orf9 (2.4)	C17orf57 (2.4)
ZDHHC18 (3.1)	RELB (3.1)	LILRB2 (2.8)	CETP (2.7)	CD300LG (2.6)
IGF2R (2.5)	LILRA3 (2.5)	OASL (2.3)	LPA (2.2)	BCL3 (2.2)
SBNO1 (3.1)	NFATC3 (3.0)	CDK12 (3.0)	PGAP3 (2.9)	EYA3 (2.8)
GPIHBP1 (2.4)	CX3CL1 (2.4)	FPR3 (2.4)	CETP (2.4)	DPEP2 (2.4)
MAFF (3.4)	RELB (3.3)	LILRA3 (3.1)	ABCA1 (2.9)	EYA3 (2.8)
DGAT2 (3.4)	MLXIPL (3.2)	KLF14 (3.0)	MMAB (2.8)	TRPS1 (2.8)
COQ9 (3.4)	MVK (3.4)	GPAM (3.2)	FADS2 (3.0)	FADS1 (2.8)
F2 (4.2)	APOC1 (4.1)	LIPC (3.6)	APOA4 (3.2)	MYBPC3 (3.1)
ARHGAP1 (2.2)	SETD8 (2.1)	TRPS1 (2.1)	MST1R (2.1)	LILRB2 (2.0)
KCTD19 (2.6)	ZNF350 (2.6)	ENSG00000254235 (2	LCAT (2.3)	GPAM (2.2)
KCTD19 (2.6)	ZNF350 (2.6)	ENSG00000254235 (2	LCAT (2.3)	GPAM (2.2)
APOA1 (4.9)	CPS1 (4.6)	APOC3 (4.4)	PLG (4.3)	APOA5 (3.3)
HCAR1 (2.5)	PGAP3 (2.3)	EYA3 (2.2)	PSKH1 (2.1)	RSPO3 (2.1)
APOA5 (3.7)	HNF4A (3.6)	LPA (3.3)	APOC3 (3.2)	LIPC (2.8)
BAZ1B (2.9)	AFF1 (2.9)	NFATC3 (2.6)	PCIF1 (2.4)	BCL7B (2.4)
ENSG00000256746 (2	CD300LG (2.4)	TBKBP1 (2.3)	MYO1H (2.2)	BCAM (2.1)
KCTD19 (2.8)	ENSG00000254235 (2	LCAT (2.4)	ZNF350 (2.4)	GPAM (2.2)

PLTP (3.2)	DOCK6 (3.0)	NR1H3 (2.8)	SLC12A4 (2.6)	LPL (2.5)
SBNO1 (3.0)	CDK12 (2.9)	MTMR3 (2.8)	MAFF (2.6)	CMIP (2.5)
SEC14L4 (2.5)	TMED5 (2.4)	COBLL1 (2.3)	GLUL (2.3)	ANGPTL4 (2.3)
GRB7 (3.1)	LIPG (2.8)	MLXIPL (2.8)	GPAM (2.5)	COBLL1 (2.5)
DGAT2 (2.8)	HCAR1 (2.7)	CD36 (2.6)	MADD (2.5)	LPL (2.5)
SLC22A1 (6.3)	PLG (6.2)	F2 (5.5)	LIPC (5.2)	C19orf80 (4.9)
PSMB10 (3.4)	RELB (3.0)	CCL17 (3.0)	RBPJ (3.0)	NFATC3 (2.4)
PSMB10 (3.4)	RELB (3.0)	CCL17 (3.0)	RBPJ (3.0)	NFATC3 (2.4)
NAGS (4.1)	APOC4 (4.0)	LCAT (4.0)	CPS1 (3.9)	LPA (3.8)
NAGS (4.1)	APOC4 (4.0)	LCAT (4.0)	CPS1 (3.9)	LPA (3.8)
APOA4 (2.9)	HCAR1 (2.6)	DR1 (2.4)	DGAT2 (2.3)	GPAM (2.2)
OASL (3.2)	FHOD1 (3.2)	BCL3 (2.9)	CX3CL1 (2.6)	RAB11B (2.3)
ACD (3.2)	SLC7A6OS (3.1)	NUDT21 (3.1)	AMBRA1 (2.9)	CCNDBP1 (2.9)
APOB (6.3)	APOA1 (5.3)	CPS1 (5.1)	APOE (4.4)	PLG (4.4)
COQ9 (2.8)	CD36 (2.8)	ABCA8 (2.6)	LPA (2.5)	PDHB (2.4)
NEUROD2 (2.7)	GPAM (2.7)	GPIHBP1 (2.5)	CD36 (2.3)	SCARB1 (2.3)
FZD9 (3.1)	CSGALNACT1 (3.1)	GALNT2 (3.0)	OR5J2 (2.8)	XKR8 (2.7)
MAFF (4.2)	PGS1 (3.6)	ABCA1 (2.7)	SPI1 (2.3)	DPEP3 (2.3)
MT1F (2.2)	ENSG00000256746 (2	ENSG00000226334 (2	SLC12A3 (2.0)	MT1X (1.9)
PTPRZ1 (2.6)	KCTD10 (2.4)	BAZ1B (2.3)	ENSG00000223745 (2	EIF3J (2.3)
SPI1 (3.1)	ZDHHC18 (3.1)	RELB (2.6)	LILRB2 (2.6)	GPR146 (2.4)
FBXL20 (3.3)	C19orf80 (3.0)	JMJD1C (2.8)	PSKH1 (2.8)	ETV5 (2.8)
LPA (2.6)	MLXIPL (2.3)	PLG (2.3)	LCAT (2.3)	SCARB1 (2.3)
CCDC92 (2.4)	SNORD58C (2.4)	ZNF664 (2.3)	KANK2 (2.1)	DYM (2.1)
SLC7A6OS (3.1)	MVK (3.0)	SDF2L1 (2.9)	HERPUD1 (2.6)	TMEM101 (2.6)
NOL3 (2.5)	ENSG00000179523 (2	MT1G (2.4)	OR5J2 (2.4)	MFAP1 (2.4)
LIPG (2.7)	APOE (2.6)	TNKS (2.6)	CXXC1 (2.4)	APOA1 (2.3)
ANGPTL4 (2.8)	ZNF615 (2.7)	CD36 (2.7)	TMED5 (2.6)	OR4A21P (2.5)
IGF2R (2.7)	CYP26A1 (2.5)	CENPT (2.5)	DOCK6 (2.5)	SPG11 (2.5)
KCTD6 (3.7)	GPAM (3.4)	MTCH2 (2.9)	CIAPIN1 (2.9)	LPL (2.9)
SNX13 (2.5)	LILRA3 (2.5)	KCTD10 (2.3)	C12orf43 (2.3)	PGS1 (2.2)
RBPJ (3.5)	RELB (3.4)	BCL3 (3.3)	TTC39B (3.1)	MAFF (3.0)
FHOD1 (2.6)	CENPT (2.6)	MPP3 (2.4)	SETD8 (2.3)	ESRP2 (2.3)
APOC4 (3.5)	APOE (3.5)	SLC22A1 (3.2)	SLC39A13 (3.2)	APOA5 (3.1)
MYO1H (2.1)	PIGV (2.1)	KIAA0895L (2.0)	CCL17 (2.0)	RSPRY1 (1.9)
GPIHBP1 (3.4)	NOL3 (2.8)	MT1H (2.7)	HSF4 (2.5)	CD300LG (2.4)
SLC12A3 (3.3)	CPS1 (3.1)	SLC22A1 (3.0)	APOC4 (3.0)	MT1G (3.0)
APOA5 (2.9)	C19orf80 (2.9)	ZNF408 (2.7)	AGBL2 (2.5)	TTC39B (2.5)
AFF1 (2.4)	C19orf80 (2.3)	SLC22A1 (2.3)	OR5I1 (2.2)	KANK2 (2.1)
TRIB1 (3.1)	BCL3 (3.0)	CX3CL1 (3.0)	RAB11B (2.6)	SLC12A4 (2.4)
HERPUD1 (4.1)	APOC3 (3.4)	PPY (3.4)	TMED5 (3.3)	CPS1 (3.2)
AGBL2 (2.8)	TSNAXIP1 (2.8)	TMEM175 (2.7)	HNF4A (2.6)	ENSG00000229043 (2
MTF2 (3.1)	CTDSPL2 (2.9)	CELF1 (2.9)	NUDT21 (2.7)	FEN1 (2.7)
GPAM (2.8)	NR0B2 (2.5)	DGAT2 (2.4)	APOA1 (2.2)	TNKS (1.9)
BCL3 (2.3)	CSGALNACT1 (2.2)	OR4A21P (2.2)	APOB (2.1)	KLHL8 (2.0)
SCARB1 (3.0)	NR1H3 (3.0)	LIPG (2.9)	TECTB (2.8)	TGM5 (2.7)
SEC14L4 (4.2)	MVK (3.9)	ENSG00000236267 (3	CES4A (3.9)	MLXIPL (2.8)
BCL3 (4.4)	SPI1 (3.9)	TRIB1 (3.8)	CX3CL1 (3.0)	OASL (3.0)
PGAP3 (2.8)	C17orf57 (2.7)	SPI1 (2.6)	E2F4 (2.4)	CMIP (2.4)
DOCK6 (3.1)	SCARB1 (3.0)	PPY (2.6)	CX3CL1 (2.4)	SNX10 (2.4)

IGF2R (2.6)	REEP3 (2.6)	ABCA1 (2.5)	SOST (2.4)	ARID1A (2.2)
TRIB1 (3.4)	MT1X (3.1)	VEGFA (3.0)	HERPUD1 (2.9)	ARID1A (2.8)
ZNF615 (2.5)	KCTD19 (2.4)	ZNF350 (2.4)	GPR146 (2.4)	GALNT2 (2.3)
DGAT2 (2.8)	MYO1H (2.7)	TTC39B (2.5)	MON1A (2.4)	MVK (2.3)
SLC39A13 (2.5)	HSF4 (2.5)	APOE (2.5)	NOL3 (2.4)	KANK2 (2.3)
ETV5 (2.7)	NRBF2 (2.6)	LRP4 (2.6)	BUD13 (2.5)	ARID1A (2.4)
MLXIPL (4.2)	CTRL (4.0)	HNF1A (3.2)	NR0B2 (2.9)	C11orf9 (2.8)
FPR3 (3.4)	CD36 (3.4)	APOA5 (2.7)	G6PC3 (2.5)	PLTP (2.4)
B3GNT9 (3.1)	NPEPPS (2.9)	OGFOD1 (2.7)	SDF2L1 (2.7)	PDIA3 (2.4)
APOA5 (4.5)	APOA1 (4.3)	APOC4 (4.1)	C19orf80 (4.1)	APOB (4.1)
CCL17 (2.9)	CD40 (2.9)	LILRB2 (2.7)	SNX10 (2.5)	RBPJ (2.4)
APOC3 (5.8)	LIPC (5.3)	APOA5 (4.5)	PLG (4.3)	CPS1 (4.2)
APOA5 (5.2)	APOB (5.0)	APOC4 (4.8)	APOC3 (4.7)	HNF4A (4.6)
HSF4 (2.5)	ANGPTL4 (2.3)	ZNF614 (2.2)	MMAB (2.1)	LILRA3 (2.0)
BCL3 (2.3)	PITPNM2 (2.2)	ZNF664 (2.1)	APOB (2.1)	CSGALNACT1 (2.1)
BCL3 (3.6)	TRIB1 (3.4)	OASL (3.2)	CX3CL1 (2.6)	RAB11B (2.5)
FHOD1 (3.1)	FPR3 (2.9)	ANGPTL4 (2.7)	LPL (2.6)	CD300LG (2.6)
ANGPTL4 (3.2)	NOL3 (3.1)	VEGFA (3.1)	IGF2R (2.9)	CYP26A1 (2.8)
PGS1 (2.4)	SNX10 (2.3)	OR5J2 (2.3)	SPI1 (2.2)	NRBF2 (2.2)
CTRL (2.4)	APOC1 (2.3)	MT1H (2.1)	CCNDBP1 (2.1)	DGAT2 (2.0)
ENSG00000247445 (2	SEC14L4 (2.5)	GLUL (2.4)	C16orf86 (2.2)	PGS1 (2.2)
EDC4 (2.3)	SIK3 (2.2)	RANBP10 (2.1)	RNF214 (2.0)	CMIP (2.0)
REEP3 (2.4)	ENSG00000226334 (2	APOC1 (2.2)	CELSR2 (2.0)	APOE (1.9)
ABCA8 (2.6)	TP53BP1 (2.6)	MADD (2.5)	CELSR2 (2.3)	OR5I1 (2.0)
FHOD1 (3.3)	BCL3 (3.1)	CX3CL1 (2.8)	SNX10 (2.5)	RAB11B (2.4)
CD40 (3.7)	CCL17 (3.4)	CTRL (2.8)	RBPJ (2.6)	TTC39B (2.6)
MYO1H (1.9)	SIK3 (1.8)	GPN2 (1.8)	ZFAND2A (1.8)	MTMR3 (1.8)
SBNO1 (4.0)	BAZ1B (3.4)	MADD (2.9)	CELF1 (2.8)	TGM7 (2.8)
FADS2 (4.1)	MMAB (4.1)	PDHB (3.8)	GPAM (3.6)	CD36 (3.5)
RLTPR (2.8)	ABCA1 (2.7)	LILRB2 (2.6)	DDB2 (2.6)	CD40 (2.4)
IGF2R (2.7)	BMP8A (2.4)	LPL (2.3)	CX3CL1 (2.3)	PTPRZ1 (2.3)
NUTF2 (2.5)	ARFGAP2 (2.5)	PSMC3 (2.5)	BMP8A (2.4)	ENSG00000229043 (2
OASL (3.4)	FHOD1 (3.2)	BCL3 (3.1)	CX3CL1 (2.7)	SNX10 (2.3)
OASL (3.4)	FHOD1 (3.2)	BCL3 (3.1)	CX3CL1 (2.7)	SNX10 (2.3)
APOA5 (4.2)	LPA (3.4)	LIPC (3.3)	F2 (3.3)	CPS1 (3.2)
TMEM175 (2.9)	PIGV (2.8)	GPR146 (2.8)	ZNF615 (2.7)	SIDT2 (2.7)
TBL2 (2.8)	APOA4 (2.7)	SLC9A5 (2.7)	KIAA0895L (2.5)	VEGFA (2.5)
C19orf80 (2.8)	HCAR1 (2.7)	PPY (2.7)	PITPNM2 (2.5)	ENSG00000254235 (2
FADS2 (11.9)	LIPG (5.0)	CTRL (4.6)	SCARB1 (4.0)	ENSG00000181123 (2
CD36 (3.3)	TTC39B (3.0)	PNMT (3.0)	MLXIPL (2.9)	MAFF (2.9)
CMIP (3.1)	SIK3 (3.0)	BCL7B (3.0)	SFN (2.9)	PAFAH1B2 (2.4)
GPR146 (3.1)	RELB (3.0)	ZDHHC18 (2.8)	PTPRJ (2.7)	PCSK7 (2.5)
ZDHHC18 (2.5)	NPEPPS (2.2)	ESRP2 (2.2)	HCAR1 (2.0)	RNF214 (1.8)
FPR3 (3.2)	MYBPC3 (2.8)	EXOC3L1 (2.8)	SLC39A13 (2.7)	GPIHBP1 (2.5)
STRC (2.3)	PCIF1 (2.3)	CATSPER2 (2.3)	BBS2 (2.3)	COBLL1 (2.2)
ANGPTL4 (3.2)	PTPRZ1 (2.9)	TBL2 (2.8)	BCAM (2.8)	LPL (2.3)
ESRP2 (3.7)	APOA5 (3.6)	C1orf172 (3.5)	ENSG00000254235 (3	DOCK6 (2.8)
APOA1 (5.9)	APOC4 (5.6)	APOA5 (5.4)	APOC3 (5.3)	APOB (5.3)
LCAT (3.2)	C19orf80 (3.0)	SEC14L4 (3.0)	EPB42 (2.9)	LPA (2.8)
ABCA1 (2.4)	APOE (2.3)	E2F4 (2.3)	CYP26A1 (2.2)	GLUL (2.2)

MT1E (4.7)	MT1M (4.0)	MT1H (3.9)	OR4A1P (2.5)	SMPD3 (2.1)
PYY (2.6)	MYO1H (2.4)	FPR3 (2.2)	CCDC116 (2.2)	ANGPTL4 (2.0)
PPP1R1B (2.4)	ZNF613 (2.4)	ENSG00000181123 (2	FZD9 (2.2)	PDE3A (2.2)
CLPTM1 (3.5)	HERPUD1 (3.3)	APOE (2.9)	SPRYD5 (2.7)	IGF2R (2.7)
CLPTM1 (3.5)	HERPUD1 (3.3)	APOE (2.9)	SPRYD5 (2.7)	IGF2R (2.7)
UBE3B (2.8)	ZNF615 (2.5)	ENSG00000247445 (2	PLA2G6 (2.4)	PCSK7 (2.3)
DGKG (3.1)	CETP (2.9)	PTPRJ (2.7)	CMIP (2.6)	MADD (2.5)
SPRYD5 (3.0)	ARID1A (2.9)	PPIP5K1 (2.9)	CMIP (2.8)	MED1 (2.7)
ZNF259 (2.8)	TRADD (2.6)	BCL7B (2.6)	ZFAND2A (2.6)	MTCH2 (2.3)
SLC22A1 (3.2)	BBS2 (2.9)	SEC14L4 (2.7)	APOA5 (2.5)	PLG (2.5)
SLC22A1 (3.2)	BBS2 (2.9)	SEC14L4 (2.7)	APOA5 (2.5)	PLG (2.5)
PGS1 (3.5)	SNX10 (3.5)	ABCA1 (3.0)	CCL17 (2.9)	CCL22 (2.9)
MMAB (3.7)	SIK3 (3.4)	DCPS (3.1)	KBTBD4 (3.0)	MVK (2.8)
RBM6 (2.8)	RBM5 (2.8)	AFF1 (2.6)	KIAA0895L (2.5)	CX3CL1 (2.4)
MST1R (2.9)	KCTD10 (2.8)	EXOC3L1 (2.6)	ETV5 (2.5)	GPIHBP1 (2.4)
CSGALNACT1 (3.0)	PLTP (2.8)	PGS1 (2.8)	BCL3 (2.6)	DPEP2 (2.4)
LILRA3 (2.7)	CITED2 (2.7)	MAFF (2.5)	CCL17 (2.5)	DOCK6 (2.3)
TCAP (3.6)	PDE3A (3.5)	EXOC3L1 (3.1)	DOCK6 (3.0)	PACSIN3 (2.9)
GPAM (2.8)	ABCA8 (2.7)	KLF14 (2.5)	LIPC (2.5)	SCARB1 (2.5)
ZNF614 (2.5)	LILRB2 (2.5)	ZNF350 (2.4)	SNX13 (2.4)	BCL3 (2.3)
HNF4A (3.3)	MT1H (3.0)	HNF1A (2.7)	HARBI1 (2.7)	C19orf80 (2.2)
GLUL (3.1)	ABCA1 (3.1)	NR1H3 (3.1)	LILRB2 (2.9)	APOC1 (2.8)
LILRA3 (2.8)	PPP1R1B (2.7)	SLC39A13 (2.6)	SNX10 (2.6)	CX3CL1 (2.5)
E2F4 (2.2)	AFF1 (2.1)	GPR146 (1.9)	CCL22 (1.9)	CD36 (1.9)
CD36 (2.1)	EPB42 (2.0)	ENSG00000226645 (2	CITED2 (1.9)	ZNF664 (1.9)
CIAPIN1 (2.8)	DYM (2.7)	SEC14L4 (2.7)	SDF2L1 (2.6)	COQ9 (2.5)
NR0B2 (3.4)	CPS1 (3.1)	ZSCAN29 (2.9)	ABCB9 (2.9)	APOB (2.7)
KLHL8 (2.2)	MT1H (2.2)	PDE3A (2.2)	GPIHBP1 (2.1)	MT1X (2.1)
CPNE2 (2.5)	ARID1A (2.3)	SOST (2.2)	DCPS (2.2)	FADS2 (2.0)
PGS1 (3.5)	BCL3 (3.4)	TTC39B (3.0)	RBPJ (2.9)	CD300LG (2.2)
NCOA5 (2.3)	ZFAND2A (2.2)	NUP93 (2.2)	TOMM40 (2.2)	NUTF2 (2.1)
MVK (2.8)	LIPG (2.7)	TMED5 (2.6)	ENSG00000223745 (2	FADS1 (2.5)
CSGALNACT1 (3.0)	CMIP (2.9)	FRMD5 (2.9)	DOCK6 (2.7)	HCAR1 (2.6)
MT1H (8.7)	MT1E (7.6)	MT1F (6.1)	SPRYD5 (3.4)	APOB (3.1)
PGS1 (3.5)	RBPJ (3.3)	BCL3 (3.1)	TTC39B (2.8)	CD300LG (2.7)
PTPRJ (2.4)	ZDHHC18 (2.2)	TBKBP1 (2.1)	HCAR1 (2.1)	FPR3 (2.0)
ZNF664 (2.4)	CCDC92 (2.4)	MTF2 (2.4)	PCIF1 (2.3)	DCPS (2.2)
G6PC3 (2.5)	PTPRZ1 (2.4)	TMEM175 (2.3)	BMP8A (2.1)	KIAA0754 (2.1)
PPP1R1B (2.6)	FHOD1 (2.6)	PTPRJ (2.5)	TAGLN (2.5)	IGF2R (2.3)
CD300LG (3.5)	LIPG (3.0)	VEGFA (2.9)	TBKBP1 (2.7)	FHOD1 (2.5)
APOB (5.5)	APOA1 (5.5)	APOC4 (5.4)	APOC3 (5.3)	CPS1 (5.1)
APOA4 (2.7)	KLHL8 (2.6)	PLTP (2.5)	APOC3 (2.3)	APOA1 (2.3)
GPIHBP1 (2.7)	ETV5 (2.7)	LIPG (2.6)	SCARB1 (2.6)	DOCK6 (2.5)
BCL3 (2.2)	ANGPTL4 (2.2)	ZFAND2A (2.2)	HERPUD1 (2.1)	RBM5 (2.1)
GPR146 (2.4)	DOCK6 (2.2)	ENSG00000223745 (2	CCDC116 (2.1)	OR5J2 (2.1)
RELB (2.5)	CETP (2.4)	B3GNT9 (2.3)	CBFB (2.2)	BMP8A (2.0)
RBPJ (3.6)	TTC39B (3.0)	RELB (2.5)	CX3CL1 (2.4)	MAFF (2.4)
DOK4 (2.6)	PTPRZ1 (2.5)	SEC14L4 (2.2)	KANK2 (2.1)	GNAO1 (2.1)
PLTP (2.4)	DPEP2 (2.4)	SNX10 (2.2)	GALNT2 (2.2)	OR4A21P (2.1)
PLTP (3.1)	APOE (3.1)	FZD9 (2.7)	LPL (2.5)	GPIHBP1 (2.4)

ARID1A (4.1)	LSM12 (3.7)	FBXL20 (3.6)	EDC4 (3.6)	ERBB2 (3.4)
FADS1 (4.8)	GPAM (4.7)	MLXIPL (4.2)	MTCH2 (4.0)	COQ9 (4.0)
SPI1 (2.9)	BCL3 (2.9)	RBPJ (2.9)	CD36 (2.6)	FPR3 (2.1)
PTPRJ (3.0)	CD300LG (3.0)	KLF14 (2.8)	VEGFA (2.4)	CD36 (2.4)
CCL17 (3.2)	PGS1 (2.8)	TTC39B (2.7)	RBPJ (2.4)	CSGALNACT1 (2.0)
BCAM (3.5)	ERBB2 (3.2)	FHOD1 (3.2)	SFN (2.7)	MACF1 (2.6)
DOK4 (2.2)	INTS10 (2.1)	C1QTNF4 (2.1)	CCDC92 (2.1)	RAB11B (2.0)
NR0B2 (2.7)	VEGFA (2.6)	COBLL1 (2.5)	HCAR1 (2.4)	TTC39B (2.3)
DGAT2 (2.7)	CD36 (2.6)	LILRB2 (2.4)	C11orf9 (2.2)	PLTP (2.1)
APOE (3.3)	IGF2R (3.2)	SIDT2 (3.2)	DPEP2 (3.1)	PLTP (3.0)
RELB (3.5)	CETP (3.3)	LILRB2 (2.7)	CCL22 (2.5)	ZDHHC18 (2.3)
OR4A1P (2.9)	LILRA3 (2.3)	APOE (2.2)	ST3GAL4 (2.1)	ACP2 (2.0)
UVRAG (2.5)	TRIB1 (2.4)	BCL3 (2.4)	UBE3B (2.3)	CCL17 (2.1)
GPR146 (2.2)	ENSG00000226334 (2	NLRC5 (2.0)	CD36 (2.0)	RLTPR (1.9)
ARID1A (3.2)	KANK2 (3.1)	EYA3 (3.0)	UBE3B (2.7)	NPEPPS (2.5)
MLXIPL (3.2)	APOA4 (3.1)	PPY (2.9)	HNF1A (2.8)	CITED2 (2.3)
PTPRJ (3.3)	CYP2W1 (3.3)	CETP (3.1)	CCL17 (3.1)	CD40 (3.0)
MLXIPL (4.4)	ANGPTL4 (3.8)	GPAM (3.7)	ACAA2 (3.5)	HCAR1 (3.5)
PGS1 (3.2)	GPR146 (3.1)	RELB (3.1)	LILRB2 (2.7)	ZDHHC18 (2.5)
HNF1A (2.9)	ABCA8 (2.8)	CDK12 (2.7)	PGAP3 (2.7)	NR0B2 (2.5)
ENSG00000247445 (3	ACP2 (3.3)	CD36 (3.2)	ENSG00000226334 (3	LPL (3.1)
ARHGAP1 (3.0)	HDAC5 (2.9)	SPG11 (2.7)	MADD (2.6)	DUS2L (2.6)
ST3GAL4 (2.1)	CD300LG (2.0)	XKR8 (1.9)	TRIB1 (1.9)	ZDHHC18 (1.8)
SLC39A13 (3.3)	RANBP10 (3.0)	PLEKHG4 (2.6)	PTPRZ1 (2.3)	PSKH1 (2.3)
APOA1 (3.6)	APOC4 (3.5)	APOB (3.4)	APOA5 (3.4)	APOC3 (3.2)
LILRA3 (4.3)	CD40 (3.6)	PTPRJ (2.7)	CCL22 (2.7)	BCL3 (2.7)
TGM5 (2.9)	ARID1A (2.9)	CXXC1 (2.8)	LCMT2 (2.7)	GPIHBP1 (2.7)
BMP8A (2.7)	CETP (2.4)	CX3CL1 (2.4)	B3GNT9 (2.3)	CELSR2 (2.0)
REEP3 (3.1)	TMEM208 (3.0)	TMED5 (3.0)	PTPMT1 (3.0)	FADS2 (2.9)
REEP3 (3.1)	TMEM208 (3.0)	TMED5 (3.0)	PTPMT1 (3.0)	FADS2 (2.9)
APOC3 (6.0)	PLG (4.3)	CPS1 (4.2)	APOA5 (4.2)	APOA4 (4.1)
NLRC5 (2.3)	PSMB10 (2.2)	TECTB (2.1)	FPR3 (2.1)	SPI1 (2.0)
CES4A (3.0)	PLEKHG4 (2.9)	ANGPTL4 (2.8)	CD300LG (2.5)	TMED5 (2.5)
MT1H (4.0)	RSPO3 (3.3)	FZD9 (3.0)	ABCA1 (2.8)	CCL17 (2.8)
TTBK2 (2.1)	CITED2 (2.0)	CCDC116 (2.0)	GPER (2.0)	UBR1 (2.0)
HERPUD1 (3.2)	PRMT7 (3.1)	SLC7A6 (2.9)	NFATC3 (2.9)	NUDT21 (2.8)
ABCA1 (3.0)	SPI1 (2.8)	CD40 (2.6)	RBM5 (2.4)	GPR146 (2.2)
OASL (2.3)	SEC14L4 (2.2)	ZSCAN29 (2.2)	CETP (2.1)	PTPMT1 (2.0)
BCL3 (3.2)	DPEP2 (2.9)	OASL (2.6)	TRADD (2.3)	ABCA1 (2.1)
ACP2 (3.4)	NR1H3 (3.2)	CD36 (3.2)	APOC1 (3.0)	LPL (3.0)
ENSG00000247867 (2	KIAA0895L (2.7)	ACAA2 (2.7)	LIPC (2.7)	C17orf57 (2.7)
KCTD10 (2.2)	FRMD5 (2.2)	COQ9 (2.2)	MTCH2 (2.2)	ENSG00000247867 (2
MED1 (4.6)	ERBB2 (4.4)	GRB7 (4.2)	MTMR3 (3.5)	ARID1A (3.3)
NCOA5 (3.2)	LCMT2 (3.1)	CELF1 (3.0)	BUD13 (2.9)	DR1 (2.8)
BCL3 (3.0)	PGS1 (2.9)	RBPJ (2.8)	TTC39B (2.6)	CSGALNACT1 (2.1)
PNMT (2.9)	TCAP (2.8)	DOK4 (2.7)	FRMD5 (2.7)	KANK2 (2.5)
DOCK6 (2.7)	C11orf9 (2.3)	MYBPC3 (2.2)	SLC12A4 (2.1)	CETP (2.1)
MAFF (3.2)	CD36 (2.7)	RLTPR (2.7)	PLA2G15 (2.7)	UVRAG (2.7)
HNF1A (3.6)	C19orf80 (3.5)	SLC22A1 (3.4)	APOC4 (3.3)	ZNF615 (3.3)
HNF1A (3.6)	C19orf80 (3.5)	SLC22A1 (3.4)	APOC4 (3.3)	ZNF615 (3.3)

DOK4 (2.4)	RAB11B (2.4)	CBFB (2.4)	PSKH1 (2.3)	CD36 (2.2)
CXXC1 (3.4)	DYM (2.8)	KANK2 (2.6)	ERBB2 (2.3)	CPS1 (2.1)
LPA (3.1)	PLA2G6 (3.0)	LCAT (3.0)	BBS2 (2.8)	TMED5 (2.5)
NDUFS3 (4.2)	MTCH2 (3.8)	PTPMT1 (2.8)	CIAPIN1 (2.6)	NR0B2 (2.5)
SPI1 (4.0)	DPEP2 (3.9)	FPR3 (3.5)	LPL (2.8)	DGAT2 (2.6)
NPEPPS (2.7)	NFATC3 (2.6)	OR5J2 (2.6)	DDX28 (2.3)	TP53BP1 (2.2)
ARID1A (2.6)	PGS1 (2.4)	UBE3B (2.4)	BCL3 (2.3)	KCTD10 (2.3)
PLG (4.1)	ACAA2 (4.0)	APOA5 (3.5)	MTCH2 (3.1)	COQ9 (3.1)
LCAT (4.4)	CETP (4.0)	LIPC (3.8)	APOA5 (3.6)	PLG (3.4)
CASC4 (2.3)	LPA (2.1)	HDAC5 (2.1)	F2 (2.1)	PLG (2.0)
SNX13 (2.7)	CX3CL1 (2.6)	PXK (2.5)	VEGFA (2.4)	KIAA0895L (2.1)
RSPO3 (2.6)	KCTD10 (2.6)	ZFAND2A (2.5)	CSGALNACT1 (2.4)	ARHGAP1 (2.4)
F2 (4.3)	LPA (4.0)	HNF4A (3.8)	APOA5 (3.5)	C19orf80 (3.1)
CXXC1 (2.7)	KANK2 (2.5)	DYM (2.5)	CBFB (2.4)	RSPO3 (2.2)
ZFAND2A (3.6)	TP53BP1 (3.3)	ATG13 (3.0)	ARHGAP1 (2.8)	AMBRA1 (2.8)
CCL17 (3.5)	LILRA3 (3.0)	ZDHHC18 (2.9)	CD40 (2.9)	FPR3 (2.5)
ZFAND2A (3.1)	HERPUD1 (2.8)	KPNB1 (2.7)	MTCH2 (2.6)	CIAPIN1 (2.5)
KLF14 (2.3)	ZFAND2A (2.2)	SNX13 (2.1)	DDX28 (2.0)	CASC4 (2.0)
CITED2 (3.9)	FPR3 (3.4)	BCL3 (2.6)	DNAH10 (2.4)	LILRB2 (2.3)
ANGPTL4 (2.8)	TBKBP1 (2.6)	MYBPC3 (2.3)	SCARB1 (2.2)	LRRC29 (2.2)
EDC4 (3.3)	RSPRY1 (3.0)	GPN2 (2.7)	ZDHHC18 (2.6)	MAFF (2.5)
FHOD1 (3.6)	BCL3 (3.6)	TRIB1 (3.1)	CX3CL1 (2.6)	TRADD (2.5)
FHOD1 (3.6)	BCL3 (3.6)	TRIB1 (3.1)	CX3CL1 (2.6)	TRADD (2.5)
CKAP5 (2.5)	CCDC18 (2.4)	MTMR3 (2.4)	CDK12 (2.3)	SKA1 (2.3)
RLTPR (3.0)	LPA (2.6)	SPI1 (2.4)	IGF2R (2.3)	TRADD (2.1)
BCL3 (3.1)	RBPJ (2.8)	PGS1 (2.8)	TTC39B (2.7)	CD300LG (1.9)
CETP (2.9)	ZDHHC18 (2.8)	PTPRJ (2.7)	CD300LG (2.7)	BCL3 (2.4)
SNX13 (2.3)	RSPRY1 (2.2)	PGS1 (2.0)	DNAH10 (2.0)	UBR1 (1.9)
E2F4 (2.3)	CETP (2.3)	LCMT2 (2.2)	EPB42 (2.2)	ARID1A (2.2)
PAFAH1B2 (3.0)	SLC9A5 (2.8)	GNAO1 (2.7)	CELSR2 (2.6)	TBKBP1 (2.6)
CITED2 (2.3)	APOC3 (2.0)	ATG13 (2.0)	SLC22A1 (2.0)	TAGLN (1.9)
RBPJ (2.4)	VEGFA (2.3)	ABCA1 (2.3)	CITED2 (2.1)	TRPS1 (2.0)
DUSP3 (2.9)	SIDT2 (2.7)	PXK (2.7)	UVRAG (2.6)	TMEM62 (2.6)
ARHGAP1 (2.2)	MTMR3 (2.2)	ETV5 (2.2)	CD36 (2.2)	SPI1 (2.2)
APOA5 (3.0)	C17orf57 (2.8)	MT1H (2.8)	LPA (2.6)	SLC22A1 (2.4)
RBPJ (2.4)	JMJD1C (2.3)	PGAP3 (2.3)	KANK2 (2.2)	CD36 (2.2)
CKAP5 (2.6)	NUP93 (2.6)	BUD13 (2.6)	NUDT21 (2.5)	MLXIPL (2.5)
CX3CL1 (3.4)	RELB (3.3)	PSMB10 (3.1)	ACP2 (3.0)	OASL (2.9)
ABHD6 (2.9)	SIDT2 (2.8)	TMEM62 (2.7)	UVRAG (2.7)	PXK (2.6)
CD300LG (3.6)	PDE3A (2.9)	VEGFA (2.8)	LIPG (2.8)	PVRL2 (2.6)
LPL (3.3)	APOE (3.1)	APOA5 (3.1)	ABCA1 (2.8)	F2 (2.7)
DR1 (2.6)	BCL7B (2.6)	TTC39B (2.3)	PXK (2.1)	NRBF2 (2.1)
BCL3 (3.3)	DUSP3 (3.2)	LILRA3 (3.1)	LILRB2 (2.9)	TRADD (2.6)
RSPO3 (2.7)	CELSR2 (2.6)	PVRL2 (2.5)	ERBB2 (2.4)	PACSIN3 (2.3)
MYBPC3 (3.2)	GRB7 (3.2)	CX3CL1 (2.9)	PGAP3 (2.8)	PVRL2 (2.6)
ENSG00000223745 (2	DDB2 (2.3)	CIAPIN1 (2.3)	KCTD19 (2.3)	PSKH1 (2.2)
LPA (4.3)	PLTP (4.3)	APOC1 (4.2)	APOA5 (3.9)	PLG (3.8)
RAB11B (2.9)	PAFAH1B2 (2.7)	SNX10 (2.6)	CELF1 (2.5)	KCTD10 (2.5)
SLC12A4 (2.9)	PLTP (2.8)	DOK4 (2.8)	DOCK6 (2.6)	UBE2L3 (2.1)
LSM12 (3.8)	PNMT (3.6)	FBXL20 (3.1)	PGAP3 (3.0)	DGAT2 (2.9)

SLC39A13 (3.2)	LPL (3.0)	LIPC (3.0)	PLEKHG4 (2.7)	SMPD3 (2.6)
OASL (2.9)	MAFF (2.9)	C11orf9 (2.3)	RELB (2.1)	TRIB1 (2.1)
TBKBP1 (2.9)	PYY (2.8)	PDE3A (2.7)	SMPD3 (2.7)	CELF1 (2.4)
SPI1 (2.6)	LILRB2 (2.4)	NRBF2 (2.2)	LILRA3 (2.2)	ENSG00000247445 (2
NCOA5 (2.5)	RBM5 (2.5)	GLUL (2.4)	SNORD58C (2.3)	MACF1 (2.2)
PLG (3.8)	ABCA8 (3.6)	SLC22A1 (3.4)	LPA (3.3)	PNMT (2.6)
DDB2 (2.9)	GRB7 (2.8)	NPEPPS (2.6)	MAFF (2.5)	FHOD1 (2.5)
BMP8A (2.1)	DUSP3 (1.9)	ST3GAL4 (1.9)	MTMR3 (1.9)	MPP3 (1.8)
SNX10 (3.0)	MAFF (3.0)	CD40 (2.9)	FPR3 (2.9)	CX3CL1 (2.8)
ATG13 (5.3)	TBL2 (4.5)	TMED5 (3.9)	MBD1 (3.4)	SLC39A13 (3.1)
APOB (2.6)	MAFF (2.4)	TRIB1 (2.4)	KANK2 (2.3)	KLF14 (2.3)
DUS2L (2.5)	ENSG00000229043 (2	RNF214 (2.3)	APOE (2.3)	DNAH10 (2.2)
TRNP1 (2.3)	SIDT2 (2.2)	IGF2R (2.2)	CSGALNACT1 (2.2)	FZD9 (2.1)
ATG13 (2.7)	KLHL8 (2.7)	RELB (2.6)	ABCA1 (2.5)	ZNF335 (2.5)
BCAM (2.4)	RSPO3 (2.4)	C17orf57 (2.2)	CX3CL1 (2.2)	PLTP (2.1)
MPHOSPH9 (3.2)	FEN1 (3.0)	CENPT (2.9)	BAZ1B (2.6)	WDR76 (2.5)
UBR1 (2.2)	LIPG (2.2)	CSGALNACT1 (2.2)	OR4A1P (2.2)	CCDC116 (2.1)
LILRA3 (2.8)	NRBF2 (2.4)	COBLL1 (2.4)	PNMT (2.1)	ZFAND2A (2.1)
NUDT21 (2.5)	DOCK6 (2.5)	LRP4 (2.4)	ZNF350 (2.4)	TGM5 (2.3)
CETP (3.2)	TRPS1 (3.1)	MT1H (2.7)	PPP1R1B (2.5)	PTPRZ1 (2.4)
COQ9 (4.2)	GPAM (3.9)	FADS2 (3.8)	FADS1 (3.6)	MVK (3.5)
PDHB (3.4)	COQ9 (3.2)	MVK (3.0)	PTPMT1 (2.7)	GPAM (2.6)
CSGALNACT1 (2.9)	DPEP2 (2.6)	LILRA3 (2.2)	CCL17 (2.2)	CD300LG (2.1)
MMAB (3.4)	ABCA8 (3.0)	ST3GAL4 (2.9)	SMPD3 (2.9)	AMBRA1 (2.6)
APOA1 (4.1)	TGM5 (3.7)	LIPC (3.6)	PLG (3.2)	NR0B2 (3.1)
CYP26A1 (2.7)	SLC12A4 (2.4)	REEP3 (2.3)	SMPD3 (2.3)	SOST (2.2)
DR1 (2.1)	UBR1 (2.0)	TRIB1 (1.9)	VEGFA (1.8)	FRMD5 (1.8)
APOB (6.2)	APOA1 (5.0)	CPS1 (5.0)	APOE (4.5)	APOC4 (4.3)
LCAT (2.8)	ABCA8 (2.7)	DOCK6 (2.6)	PVRL2 (2.5)	IGF2R (2.4)
GPR146 (3.7)	E2F4 (3.2)	MTMR3 (2.7)	CD36 (2.6)	APOC1 (2.2)
MT1H (2.3)	MAFF (2.3)	XKR8 (2.0)	MPP3 (2.0)	CTRL (1.9)
RBPJ (2.8)	BACE1 (2.7)	SIK3 (2.5)	SNX13 (2.5)	TBKBP1 (2.3)
HERPUD1 (3.4)	CMIP (3.0)	SETD8 (2.9)	ACD (2.9)	NUDT21 (2.7)
ELMO3 (3.3)	ESRP2 (3.0)	ERBB2 (2.7)	SFN (2.6)	ZNF335 (2.4)
GPIHBP1 (3.0)	CYP2W1 (2.8)	PNMT (2.7)	MACF1 (2.6)	ELMO3 (2.5)
MVK (5.8)	CES4A (3.9)	GPAM (3.8)	SCARB1 (3.8)	SEC14L4 (3.7)
DPEP2 (2.8)	TTC39B (2.4)	SPI1 (2.2)	RELB (2.1)	RBPJ (2.1)
MBD1 (2.5)	GPR146 (2.4)	OR4A1P (2.4)	FADS2 (2.3)	GPIHBP1 (2.3)
CITED2 (2.9)	ANGPTL4 (2.8)	MAFF (2.6)	CCL17 (2.5)	DOCK6 (2.2)
CD300LG (2.5)	ARHGAP1 (2.4)	PTPRJ (2.3)	PITPNM2 (2.3)	FHOD1 (2.3)
RSPO3 (3.0)	DOCK6 (2.9)	CITED2 (2.9)	EXOC3L1 (2.9)	TAGLN (2.8)
COQ9 (2.9)	MTCH2 (2.8)	NDUFS3 (2.7)	SLC39A13 (2.6)	SLC12A4 (2.5)
PRMT7 (2.5)	MBD1 (2.5)	ENSG00000223745 (2	PTPRZ1 (2.1)	ZNF335 (2.0)
NR0B2 (3.6)	MLXIPL (3.4)	CYP2W1 (3.3)	C17orf57 (2.7)	CPS1 (2.7)
PVRL2 (2.5)	ANGPTL4 (2.2)	DOCK6 (2.2)	ENSG00000236267 (2	LRP4 (2.1)
APOA4 (2.3)	TUBGCP4 (2.3)	SETD8 (2.2)	DPEP2 (2.2)	MADD (2.1)
CLPTM1 (3.4)	FPR3 (3.3)	SNX13 (3.1)	C16orf70 (3.0)	DUSP3 (2.9)
APOC3 (4.7)	APOB (4.7)	CPS1 (3.5)	APOA1 (3.2)	C17orf105 (3.2)
TTC39B (2.5)	ABCA1 (2.4)	ZNF614 (2.3)	MLXIPL (2.2)	TSNAXIP1 (2.2)
APOA1 (5.1)	CPS1 (4.9)	APOC3 (4.9)	LIPC (4.8)	APOA5 (4.6)

OR4A21P (2.4)	ENSG00000236267 (2	KCTD6 (2.3)	LILRB2 (2.2)	OR5I1 (2.2)
SOST (2.5)	OR4A1P (2.4)	MT1H (2.3)	MT1G (2.3)	KIAA0754 (2.2)
CD36 (3.7)	DUS2L (2.4)	MT1H (2.2)	MTMR3 (2.2)	CETP (2.2)
BCL3 (3.2)	TTC39B (2.9)	PGS1 (2.8)	RBPJ (2.5)	CSGALNACT1 (2.2)
CD36 (3.6)	LPL (3.4)	MYBPC3 (3.1)	LILRB2 (3.0)	LILRA3 (2.4)
PGS1 (3.4)	RBPJ (3.0)	CD300LG (2.9)	BCL3 (2.8)	TTC39B (2.6)
PCSK7 (2.4)	DUS2L (2.2)	MIEN1 (2.2)	PGAP3 (2.1)	GPR146 (2.1)
ZSCAN29 (2.9)	CES4A (2.9)	ENSG00000229043 (2	LPL (2.7)	MLXIPL (2.7)
CBFB (3.3)	MED1 (3.2)	ARID1A (3.1)	TUBGCP4 (3.0)	OASL (2.9)
KLHL8 (2.0)	RAB11B (2.0)	GALNT2 (2.0)	TBKBP1 (2.0)	NFATC3 (1.9)
TECTB (2.6)	GPIHBP1 (2.5)	DUSP3 (2.4)	BACE1 (2.4)	TGM7 (2.3)
ZFAND2A (3.8)	BCL3 (3.7)	VEGFA (3.2)	CITED2 (3.1)	NRBF2 (2.4)
LCAT (4.9)	LPA (4.4)	PLG (4.2)	LIPC (3.6)	ENSG00000236267 (3
APOA1 (6.1)	APOC3 (5.9)	LIPC (5.9)	CPS1 (5.2)	APOA5 (5.0)
ZNF615 (2.8)	TMED5 (2.6)	BBS2 (2.6)	ANGPTL4 (2.5)	OR4A21P (2.4)
MAFF (3.1)	DPEP2 (3.0)	CETP (2.9)	TGM5 (2.6)	TRIB1 (2.6)
RELB (4.1)	PTPRJ (3.1)	RBPJ (3.0)	BCL3 (3.0)	CETP (2.9)
ETV5 (3.1)	ARID1A (2.6)	PVRL2 (2.6)	PGAP3 (2.5)	CDK12 (2.5)
LIPC (3.1)	APOA1 (3.0)	ENSG00000247867 (2	ENSG00000255507 (2	ENSG00000179523 (2
JMJD1C (3.7)	LSM12 (3.5)	ERBB2 (3.3)	FBXL20 (3.2)	ARID1A (3.0)
PLA2G6 (2.5)	LRP4 (2.3)	CELSR2 (2.3)	LSM12 (2.2)	TBL2 (2.1)
FPR3 (3.1)	RBPJ (3.0)	ABCA1 (2.8)	SPI1 (2.5)	ANGPTL4 (2.3)
TBKBP1 (2.1)	ENSG00000247867 (2	LRP4 (2.0)	CYP26A1 (1.9)	DOCK6 (1.9)
ESRP2 (3.3)	ELMO3 (3.2)	ENSG00000236267 (2	TGM5 (2.4)	PTPRZ1 (2.4)
PGAP3 (3.1)	ARID1A (3.1)	EXOC3L1 (2.6)	TBKBP1 (2.5)	PNMT (2.4)
CCL22 (3.8)	LILRB2 (3.8)	BCL3 (3.1)	SNX10 (3.1)	RELB (2.7)
ZFAND2A (3.0)	CD40 (2.9)	ZDHHC18 (2.6)	NCOA5 (2.3)	DUS2L (2.2)
FPR3 (3.1)	ENSG00000182109 (3	ACP2 (2.6)	TMEM62 (2.2)	CD40 (2.1)
ABCA8 (4.9)	APOA5 (4.7)	PLG (4.0)	SEC14L4 (3.9)	NAGS (3.7)
ACP2 (2.7)	SNX13 (2.5)	APOE (2.2)	FRMD5 (2.1)	CCDC11 (2.1)
ABCA8 (3.2)	SOST (2.9)	APOC4 (2.7)	SLC39A13 (2.7)	FZD9 (2.6)
MT1H (5.5)	MT1X (5.0)	MT1M (4.5)	HSF4 (2.9)	CITED2 (2.8)
CD36 (3.7)	PTPRJ (3.7)	RBPJ (3.1)	TRIB1 (3.1)	LPL (3.1)
C19orf80 (5.3)	APOC4 (5.1)	APOA5 (4.7)	APOA1 (4.7)	APOC3 (4.6)
UBR1 (2.4)	MT1H (2.4)	CSGALNACT1 (2.2)	CCDC116 (2.2)	SFN (2.2)
LIPG (2.5)	MAFF (2.5)	C17orf57 (2.4)	CCL22 (2.3)	CSGALNACT1 (2.1)
MAFF (3.2)	ELMO3 (3.2)	MYO1H (3.2)	MST1R (2.7)	PGS1 (2.5)
KLF14 (2.6)	MLXIPL (2.4)	NR0B2 (2.3)	CMIP (2.3)	PYY (2.2)
MAFF (3.0)	LPL (3.0)	CD36 (2.9)	DGAT2 (2.6)	GPAM (2.6)
CX3CL1 (3.5)	SNX10 (3.2)	BCL3 (3.0)	ABCA1 (3.0)	RELB (2.9)
JMJD1C (2.4)	CSGALNACT1 (2.4)	MON1A (2.3)	CPNE2 (2.3)	RAB11B (2.1)
AFF1 (2.6)	E2F4 (2.4)	TTC39B (2.4)	RAB11B (2.4)	NFATC3 (2.2)
CETP (2.9)	APOA4 (2.9)	CCL17 (2.8)	MVK (2.7)	SIDT2 (2.4)
RELB (4.5)	CD40 (3.7)	SPI1 (3.1)	TRIB1 (2.9)	ZDHHC18 (2.9)
SNX13 (3.0)	NPEPPS (3.0)	KCTD10 (3.0)	C12orf43 (2.9)	RBM6 (2.7)
ARHGAP1 (3.0)	PXK (2.4)	PVRL2 (2.4)	SPI1 (2.0)	JMJD1C (2.0)
GPR146 (3.3)	RELB (3.1)	ZDHHC18 (2.8)	SPI1 (2.6)	LILRB2 (2.5)
BCL7B (3.1)	MED1 (3.0)	CDK12 (2.8)	C16orf70 (2.6)	PCIF1 (2.6)
LILRB2 (3.0)	RELB (2.9)	SPI1 (2.8)	RBPJ (2.6)	CD300LG (2.5)
RSPO3 (2.9)	ABCA8 (2.8)	SEC14L4 (2.7)	C11orf9 (2.3)	C12orf65 (2.1)

CITED2 (4.7)	VEGFA (4.3)	ZFAND2A (4.0)	CATSPER2 (2.7)	ZNF614 (2.6)
ENSG00000255507 (3	KLF14 (3.1)	TTBK2 (2.8)	DUSP3 (2.6)	MPP3 (2.5)
TTC39B (2.8)	CPS1 (2.7)	APOA4 (2.6)	MT1M (2.6)	ABCA8 (2.5)
TBL2 (3.5)	HERPUD1 (3.0)	PDIA3 (2.9)	E2F4 (2.9)	SLC39A13 (2.7)
SLC7A6OS (2.5)	CYP2W1 (2.4)	PPP1R1B (2.4)	ERBB2 (2.4)	TBKBP1 (2.3)
MON1A (2.4)	CPNE2 (2.3)	CSGALNACT1 (2.3)	JMJD1C (2.3)	RAB11B (2.3)
FADS1 (6.6)	SCARB1 (4.9)	LIPG (4.9)	SEC14L4 (3.6)	ST3GAL4 (3.4)
SCARB1 (2.6)	CBFB (2.4)	PXK (2.4)	MON1A (2.3)	CTRL (2.3)
PLG (5.6)	APOA1 (5.5)	APOA4 (5.1)	LIPC (4.8)	HNF4A (4.5)
LILRB2 (4.0)	SPI1 (3.9)	LILRA3 (3.9)	CD40 (3.0)	MAFF (2.6)
TTC39B (2.7)	SLC7A6 (2.7)	MAFF (2.7)	RELB (2.6)	ANGPTL4 (2.4)
SMPD3 (3.2)	APOE (2.9)	PTPRZ1 (2.9)	ENSG00000229043 (2	CCL22 (2.5)
SETD8 (2.9)	NCOA5 (2.8)	CTDSPL2 (2.7)	ARID1A (2.4)	BCL7B (2.4)
ATG13 (5.0)	TBL2 (4.5)	MBD1 (3.5)	SLC39A13 (3.5)	TMED5 (3.5)
RELB (4.4)	BCL3 (3.3)	FPR3 (2.8)	SPI1 (2.5)	MYO1H (2.1)
CD36 (2.9)	C7orf50 (2.9)	MIEN1 (2.8)	TMED5 (2.5)	PTPMT1 (2.3)
CD36 (2.9)	C7orf50 (2.9)	MIEN1 (2.8)	TMED5 (2.5)	PTPMT1 (2.3)
PIGV (2.3)	CTRL (2.2)	PTPMT1 (2.2)	ENSG00000236267 (2	TTC39B (2.1)
GRB7 (2.7)	HDAC5 (2.7)	HNF1A (2.6)	APOA4 (2.6)	NAGS (2.5)
PSMB10 (3.7)	CCL22 (3.4)	BCL3 (3.4)	TRIB1 (3.0)	RBPJ (2.9)
LIPC (5.5)	APOC3 (5.3)	APOA1 (5.2)	APOC4 (4.9)	APOA5 (4.8)
C19orf80 (4.0)	CD300LG (4.0)	LPL (3.8)	DGAT2 (3.7)	CD36 (3.1)
TMEM62 (3.2)	ABHD6 (3.0)	DUSP3 (3.0)	PLA2G15 (2.6)	SIDT2 (2.6)
ZDHHC18 (3.1)	MAFF (2.9)	HERPUD1 (2.5)	TMED5 (2.4)	PDIA3 (2.4)
CD40 (2.6)	BCL3 (2.5)	CCL17 (2.4)	LILRB2 (2.3)	RLTPR (2.3)
VEGFA (3.8)	EXOC3L1 (3.8)	CETP (3.5)	ANGPTL4 (3.2)	FHOD1 (2.9)
VEGFA (3.8)	EXOC3L1 (3.8)	CETP (3.5)	ANGPTL4 (3.2)	FHOD1 (2.9)
PGAP3 (2.6)	MPP3 (2.5)	ENSG00000223745 (2	OR5J2 (2.3)	AGBL2 (2.2)
PGAP3 (2.6)	MPP3 (2.5)	ENSG00000223745 (2	OR5J2 (2.3)	AGBL2 (2.2)
CELSR2 (3.5)	MST1R (3.5)	ESRP2 (3.3)	TGM5 (3.0)	DGAT2 (3.0)
ENSG00000254235 (2	OR4A1P (2.2)	CSGALNACT1 (2.2)	KIAA0754 (2.1)	SLC22A1 (2.1)
MTMR3 (3.1)	CDK12 (3.1)	EDC4 (2.8)	PCIF1 (2.7)	BUD13 (2.6)
BCL7B (2.2)	COX19 (2.2)	CDK12 (2.1)	TMED5 (2.1)	AMFR (2.0)
ETV5 (2.4)	CETP (2.4)	FHOD1 (2.3)	PGS1 (2.1)	ZNF335 (2.1)
PLTP (3.3)	DPEP2 (3.3)	IGF2R (3.2)	DUSP3 (3.2)	SIDT2 (3.1)
PLTP (3.3)	DPEP2 (3.3)	IGF2R (3.2)	DUSP3 (3.2)	SIDT2 (3.1)
DYM (2.4)	PPIP5K1 (2.4)	SLC39A13 (2.3)	ENSG00000182109 (2	MTCH2 (2.3)
MT1G (3.5)	NR1H3 (3.4)	MT1H (3.4)	MT1M (3.2)	MT1F (3.0)
C1orf172 (2.6)	ETV5 (2.6)	TRIB1 (2.5)	FHOD1 (2.5)	PGS1 (2.4)
GLUL (2.5)	NAGS (2.4)	MT1X (2.4)	SMPD3 (2.3)	ADAL (2.3)
PPIP5K1 (3.2)	ARFGAP2 (3.2)	NDUFS3 (3.0)	COQ9 (2.9)	SLC39A13 (2.5)
FPR3 (2.5)	BCL3 (2.5)	GPIHBP1 (2.5)	CD300LG (2.4)	PDE3A (2.4)
ABHD6 (3.0)	ENSG00000236267 (2	LCAT (2.4)	TMED5 (2.4)	ANGPTL4 (2.4)
GPR146 (3.3)	LILRB2 (3.0)	RELB (2.9)	SPI1 (2.8)	ZDHHC18 (2.8)
MTCH2 (4.9)	ACAA2 (4.2)	PTPMT1 (3.8)	CIAPIN1 (3.6)	NR0B2 (2.6)
PGS1 (2.7)	RELB (2.6)	ZDHHC18 (2.6)	RBPJ (2.5)	SPI1 (2.4)
ELMO3 (3.2)	BCL3 (2.9)	C1orf172 (2.7)	HSF4 (2.7)	CETP (2.7)
AFF1 (2.3)	GRB7 (2.1)	UBE3B (1.9)	FHOD1 (1.9)	CD300LG (1.9)
CCL17 (3.4)	PGS1 (3.1)	RBPJ (2.9)	TTC39B (2.6)	RELB (2.4)
APOC1 (3.1)	ACP2 (2.9)	SIDT2 (2.8)	SLC12A4 (2.7)	NR1H3 (2.6)

FADS2 (9.7)	LIPG (5.6)	SLC22A1 (3.3)	PLG (3.0)	MLXIPL (2.4)
LPA (3.5)	OR5J2 (3.2)	ENSG00000181123 (2	SLC22A1 (2.8)	C19orf80 (2.7)
SLC39A13 (2.9)	LPL (2.5)	SIDT2 (2.5)	PPP1R1B (2.4)	TRPS1 (2.4)
G6PC3 (3.0)	IGF2R (2.8)	AGBL2 (2.7)	APOE (2.5)	CX3CL1 (2.4)
ABCA1 (3.0)	PSMB10 (2.7)	SNX10 (2.4)	C11orf9 (2.3)	TMEM175 (2.2)
SKA1 (2.9)	GRB7 (2.7)	CKAP5 (2.5)	CD40 (2.4)	ABCA8 (2.4)
ARID1A (3.1)	RBM5 (3.0)	C16orf48 (2.8)	YDJC (2.6)	TUBGCP4 (2.6)
GPR146 (3.3)	ZDHHC18 (3.0)	RELB (2.7)	LILRB2 (2.7)	SPI1 (2.7)
OR5J2 (2.8)	ENSG00000226334 (2	HARBI1 (2.5)	GPIHBP1 (2.4)	PPY (2.3)
ARID1A (2.3)	PCIF1 (2.2)	DOCK6 (2.0)	MACF1 (2.0)	MAP1A (1.9)
MAP1A (2.9)	TAGLN (2.7)	VEGFA (2.4)	TBKBP1 (2.4)	ANGPTL4 (2.3)
MAFF (2.5)	ANGPTL4 (2.2)	MTMR3 (2.1)	DGAT2 (2.0)	SKA1 (2.0)
SKA1 (3.0)	FEN1 (2.6)	CBFB (2.6)	WDR76 (2.5)	NUP160 (2.4)
CITED2 (2.5)	MAFF (2.5)	CPNE2 (2.1)	MST1R (2.1)	ZNF408 (2.1)
PLA2G6 (2.4)	CD300LG (2.2)	C12orf65 (2.1)	SPRYD5 (2.1)	KLF14 (1.9)
CITED2 (2.1)	C12orf65 (2.0)	RSPO3 (2.0)	TBKBP1 (1.9)	TMEM101 (1.8)
TBKBP1 (3.3)	CETP (3.0)	GPR146 (2.9)	PTPRJ (2.8)	CTRL (2.6)
ZDHHC18 (3.4)	CETP (3.3)	CD40 (3.1)	TBKBP1 (2.6)	UVRAG (2.5)
TMEM208 (4.4)	CLPTM1 (4.1)	TBL2 (3.7)	PDIA3 (3.5)	TMEM101 (3.2)
PLA2G15 (4.7)	GLUL (3.5)	NR1H3 (3.4)	APOC1 (3.3)	ABCA1 (3.2)
PLA2G15 (4.7)	GLUL (3.5)	NR1H3 (3.4)	APOC1 (3.3)	ABCA1 (3.2)
CCL17 (3.4)	PGS1 (3.1)	RBPJ (2.7)	TTC39B (2.7)	RELB (2.2)
SLC12A4 (3.0)	IGF2R (2.8)	C17orf57 (2.7)	COBLL1 (2.7)	SLC39A13 (2.6)
LPA (2.4)	PITPNM2 (2.2)	ACAA2 (2.2)	MT1X (2.2)	MT1F (2.0)
CETP (2.9)	LIPG (2.7)	MADD (2.6)	RLTPR (2.6)	EXOC3L1 (2.6)
MLXIPL (2.7)	MAFF (2.7)	PACSIN3 (2.7)	ANGPTL4 (2.6)	MT1H (2.3)
ARID1A (2.8)	BAZ1B (2.7)	MTF2 (2.4)	KLHL8 (2.4)	RBM6 (2.4)
SLC12A3 (2.2)	NRBF2 (2.2)	SNX13 (2.1)	IGF2R (2.1)	PAFAH1B2 (2.1)
ENSG00000226334 (2	FHOD1 (2.3)	VEGFA (2.2)	ESRP2 (2.2)	ZNF408 (1.9)
GLUL (2.8)	G6PC3 (2.7)	TTC39B (2.6)	APOC1 (2.6)	GNAO1 (2.5)
PTPRJ (2.5)	ST3GAL4 (2.4)	KLHL8 (2.4)	RAB11B (2.4)	SIDT2 (2.4)
TRIB1 (3.1)	PSKH1 (3.0)	DR1 (2.5)	CBFB (2.5)	RNF214 (2.4)
PDHB (3.1)	PLG (3.1)	COQ9 (3.0)	NOL3 (2.8)	SLC22A1 (2.5)
GPR146 (3.5)	ZDHHC18 (2.8)	RELB (2.7)	SPI1 (2.7)	LILRB2 (2.7)
OR4A1P (2.8)	OR5J2 (2.8)	LILRA3 (2.3)	PTPRJ (2.2)	ABCA1 (2.2)
ABCA1 (2.7)	GALNT2 (2.5)	SLC39A13 (2.5)	FPR3 (2.5)	FHOD1 (2.4)
FBXL20 (2.2)	EYA3 (2.0)	CATSPER2 (2.0)	GALNT2 (2.0)	MED1 (2.0)
CD40 (2.9)	SOST (2.8)	LILRB2 (2.6)	XKR8 (2.2)	TTC39B (2.2)
GPR146 (2.6)	DOCK6 (2.3)	OR5J2 (2.3)	DPEP2 (2.3)	HCAR1 (2.1)
ENSG00000182109 (3	LRP4 (3.0)	SOST (3.0)	FZD9 (2.6)	IGF2R (2.6)
APOB (2.8)	F2 (2.8)	PLG (2.6)	CETP (2.6)	APOA1 (2.6)
FADS1 (3.4)	FADS2 (3.2)	LIPG (3.2)	APOC1 (3.2)	ABCA8 (3.1)
FADS2 (3.3)	ELMO3 (3.3)	MMAB (3.2)	FADS1 (3.2)	MST1R (3.0)
MTMR3 (3.3)	DDX28 (3.1)	THAP11 (2.9)	JMJD1C (2.6)	BCL7B (2.6)
SETD8 (2.3)	SMPD3 (2.2)	COBLL1 (2.0)	SIK3 (2.0)	PAFAH1B2 (2.0)
PGS1 (2.9)	CCL17 (2.8)	RBPJ (2.8)	TTC39B (2.7)	PSMB10 (2.1)
FADS1 (3.6)	GPAM (3.5)	PLG (3.3)	CIAPIN1 (3.0)	C19orf80 (2.9)
PNMT (3.5)	VEGFA (2.7)	GRB7 (2.5)	TRPS1 (2.4)	ERBB2 (2.4)
AMBRA1 (3.9)	HERPUD1 (3.4)	CATSPER2 (3.3)	TMED5 (2.9)	ATG13 (2.9)
RELB (4.5)	CD40 (3.9)	SPI1 (3.0)	ZDHHC18 (3.0)	TRIB1 (2.7)

MT1X (4.1)	MT1M (3.7)	OR5I1 (3.0)	MT1H (2.7)	ENSG00000256746 (2
PGS1 (2.7)	CSGALNACT1 (2.5)	DPEP2 (2.5)	BCL3 (2.2)	CCDC11 (2.1)
SLC7A6OS (2.5)	DEPDC1 (2.4)	ANGPTL4 (2.2)	CD36 (2.1)	GALNT2 (2.0)
FADS2 (5.6)	APOA4 (3.9)	NR0B2 (3.7)	LIPG (3.6)	APOA5 (3.2)
AMBRA1 (3.1)	MAFF (3.1)	CYP26A1 (3.0)	SNORD58C (3.0)	KANK2 (3.0)
DPEP2 (3.7)	FPR3 (3.1)	CSGALNACT1 (2.8)	PTPRJ (2.8)	PGS1 (2.6)
ZDHHC18 (3.0)	LILRB2 (2.8)	RSPO3 (2.7)	GPR146 (2.7)	RBPJ (2.5)
CCL17 (3.3)	PGS1 (3.1)	TTC39B (2.9)	RBPJ (2.5)	CSGALNACT1 (2.5)
COX19 (3.4)	SDF2L1 (2.9)	LSM12 (2.6)	TBL2 (2.6)	ATG13 (2.5)
ACP2 (3.6)	PLA2G15 (3.4)	HARBI1 (3.3)	APOC1 (3.2)	LPL (3.1)
APOC1 (3.0)	CELSR2 (2.7)	HERPUD1 (2.7)	TMEM208 (2.4)	ABCA1 (2.3)
FPR3 (2.4)	CCDC116 (2.3)	CSGALNACT1 (2.3)	UBR1 (2.3)	MT1H (2.2)
KPNB1 (2.7)	RAB11B (2.5)	SBNO1 (2.4)	C12orf43 (2.4)	ZNF259 (2.3)
ELMO3 (2.9)	LILRA3 (2.6)	ESRP2 (2.5)	LILRB2 (2.3)	C1orf172 (2.3)
APOB (4.3)	CYP26A1 (3.5)	NAGS (3.5)	CPS1 (3.3)	APOA5 (3.2)
ENSG00000254235 (2	C12orf65 (2.3)	TNKS (2.3)	MPHOSPH9 (2.2)	TBL2 (2.2)
MMAB (5.5)	TBL2 (3.5)	TMEM208 (3.4)	LIPG (3.2)	REEP3 (3.2)
SEC14L4 (2.8)	E2F4 (2.8)	MTMR3 (2.7)	CD36 (2.4)	GPR146 (2.3)
SNX10 (2.6)	LPA (2.5)	LILRB2 (2.5)	TMEM62 (2.1)	BMP8A (2.0)
TMED5 (4.4)	ATG13 (3.9)	TMEM208 (3.5)	ZFAND2A (3.3)	PCSK7 (3.1)
ETV5 (2.5)	PITPNM2 (2.5)	ARHGAP1 (2.4)	IGF2R (2.3)	MED1 (2.2)
NR1H3 (2.5)	ENSG00000254235 (2	DNAH10 (2.5)	G6PC3 (2.4)	CYP26A1 (2.4)
BACE1 (2.9)	SMPD3 (2.8)	PPY (2.8)	CSGALNACT1 (2.6)	GALNT2 (2.5)
ENSG00000181123 (2	MT1F (2.5)	MT1G (2.4)	ENSG00000226334 (2	SLC9A5 (2.0)
ABCA8 (2.6)	LPL (2.5)	CSGALNACT1 (2.4)	FHOD1 (2.4)	SLC12A4 (2.3)
NLRC5 (3.5)	CX3CL1 (3.2)	CD40 (2.8)	APOC1 (2.6)	RLTPR (2.2)
TGM7 (2.6)	LCAT (2.4)	SLC7A6 (2.3)	CD40 (2.2)	DGAT2 (2.2)
FZD9 (2.7)	FPR3 (2.7)	MT1M (2.7)	RELB (2.6)	TAGLN (2.6)
TGM5 (2.9)	FPR3 (2.9)	ENSG00000182109 (2	GPIHBP1 (2.3)	TBKBP1 (2.3)
TBKBP1 (2.3)	E2F4 (2.1)	KLHL8 (2.0)	TRIB1 (2.0)	LRRC29 (2.0)
PLA2G15 (4.0)	ABCA1 (3.4)	APOC1 (3.0)	NR1H3 (3.0)	ACP2 (2.9)
PLA2G15 (4.0)	ABCA1 (3.4)	APOC1 (3.0)	NR1H3 (3.0)	ACP2 (2.9)
CD36 (2.9)	LILRB2 (2.6)	ANGPTL4 (2.6)	SPG11 (2.5)	VEGFA (2.4)
CLPTM1 (2.9)	MON1A (2.9)	CIAPIN1 (2.9)	LSM12 (2.5)	ARFGAP2 (2.5)
CCL17 (4.6)	PSMB10 (4.2)	CD40 (3.7)	LILRA3 (2.8)	ACP2 (2.8)
BCL3 (2.4)	CD36 (2.4)	SMPD3 (2.3)	CCL17 (2.0)	TBKBP1 (1.9)
PDE3A (2.6)	PYY (2.5)	CETP (2.4)	CD40 (2.3)	MT1H (2.2)
SLC39A13 (2.5)	MT1H (2.3)	LCAT (2.2)	PLG (2.2)	PSKH1 (2.0)
ARHGAP1 (2.7)	PXK (2.5)	ACP2 (2.5)	SPI1 (2.4)	PLA2G15 (2.3)
ACAA2 (3.0)	PTPMT1 (2.8)	MTCH2 (2.6)	VEGFA (2.5)	COBLL1 (2.4)
RSPO3 (2.1)	TRNP1 (2.0)	TTC39B (1.9)	MAFF (1.8)	MVK (1.8)
DPEP2 (2.6)	CSGALNACT1 (2.4)	MYO5B (2.4)	TGM7 (2.3)	PPP1R1B (2.1)
CCL17 (3.3)	BCL3 (3.2)	RBPJ (2.7)	TTC39B (2.6)	SNX10 (2.2)
MMAB (3.9)	TMED5 (3.8)	TMEM208 (3.3)	AMFR (3.2)	CLPTM1 (3.1)
DEPDC1 (3.4)	SKA1 (3.4)	BAZ1B (3.0)	NUP160 (2.8)	KPNB1 (2.5)
SEC14L4 (3.4)	MTMR3 (2.9)	DPEP2 (2.6)	GPR146 (2.6)	E2F4 (2.2)
HNF1A (3.0)	PGAP3 (2.8)	ABCA8 (2.8)	CDK12 (2.7)	NR0B2 (2.5)
SDF2L1 (3.3)	KIAA0895L (3.3)	PSMC3 (3.2)	HERPUD1 (3.0)	TMED5 (2.8)
ADAL (2.5)	ZNF350 (2.5)	RANBP10 (2.4)	MTMR3 (2.4)	GPR146 (2.3)
UBE3B (3.3)	ARID1A (3.1)	CMIP (3.1)	NCOA5 (2.8)	SETD8 (2.7)

GPR146 (3.4)	ZDHHC18 (3.0)	SPI1 (2.9)	RELB (2.9)	LILRB2 (2.8)
CCL22 (2.6)	CSGALNACT1 (2.6)	ACP2 (2.4)	MST1R (2.2)	MT1H (2.1)
GPR146 (2.6)	OR5J2 (2.5)	DOCK6 (2.3)	DPEP2 (2.3)	CCDC116 (2.1)
TTC39B (2.3)	DOK4 (2.2)	PDE3A (2.2)	MON1A (2.2)	RSPRY1 (2.1)
B3GNT9 (3.6)	SLC39A13 (3.5)	PLA2G15 (2.9)	SCARB1 (2.6)	ANGPTL4 (2.4)
PLA2G15 (2.4)	SOST (2.3)	C11orf9 (2.3)	G6PC3 (2.2)	ANGPTL4 (2.1)
ENSG00000181123 (2	DPEP2 (2.1)	GPR146 (2.1)	XKR8 (2.1)	FHOD1 (2.1)
VEGFA (3.1)	GPAM (3.0)	SDF2L1 (2.8)	ZNF335 (2.6)	HERPUD1 (2.3)
MLXIPL (2.2)	HDAC5 (2.1)	CD300LG (2.0)	RSPO3 (1.9)	GPER (1.9)
MMAB (6.2)	SEC14L4 (3.8)	ACAA2 (3.6)	APOC1 (3.3)	MLXIPL (2.9)
TAGLN (3.1)	IGF2R (2.9)	VEGFA (2.7)	FADS1 (2.6)	MYO5B (2.5)
FPR3 (2.7)	PTPRJ (2.6)	SNX10 (2.4)	SPI1 (2.1)	STRC (2.0)
FPR3 (2.7)	PTPRJ (2.6)	SNX10 (2.4)	SPI1 (2.1)	STRC (2.0)
KCTD19 (2.8)	TBL2 (2.3)	NOL3 (2.3)	LILRA3 (2.0)	TECTB (1.9)
BCL3 (3.2)	PGS1 (2.8)	RBPJ (2.7)	TTC39B (2.6)	RLTPR (2.2)
OR5J2 (2.9)	PNMT (2.8)	EXOC3L1 (2.7)	C16orf86 (2.7)	TCAP (2.3)
ZDHHC18 (2.6)	UVRAG (2.5)	CCL22 (2.4)	CETP (2.3)	DPEP2 (2.1)
BMP8A (2.9)	MT1H (2.5)	BCL3 (2.4)	MST1R (2.2)	TRADD (2.2)
FADS1 (3.7)	FADS2 (3.4)	MVK (3.2)	KLF14 (3.1)	MMAB (3.0)
CITED2 (3.1)	PLEKHG4 (2.9)	ABCA8 (2.8)	EXOC3L1 (2.5)	ENSG00000182109 (2
ENSG00000226334 (2	NAGS (2.1)	GPR146 (2.1)	TTC39B (2.0)	DNAH10 (1.9)
PXK (2.6)	TNKS (2.6)	VEGFA (2.5)	SIK3 (2.5)	SNX13 (2.1)
ABHD6 (3.1)	PIGV (2.9)	GPR146 (2.8)	LIPG (2.8)	G6PC3 (2.7)
ERBB2 (3.6)	MED1 (3.6)	GRB7 (3.3)	DOK4 (3.0)	PNMT (3.0)
TBL2 (2.6)	LRP4 (2.6)	C1QTNF4 (2.5)	MT1X (2.5)	MT1E (2.3)
KCTD6 (3.7)	GPAM (3.5)	BBS2 (3.0)	NDUFS3 (2.9)	DDX28 (2.8)
RAB11B (3.0)	JMJD1C (2.9)	C17orf57 (2.4)	MPHOSPH9 (2.3)	YDJC (2.2)
LILRA3 (2.9)	RSPO3 (2.6)	OR4A21P (2.6)	DPEP2 (2.3)	ENSG00000181296 (2
NLRC5 (2.4)	PSMB10 (2.2)	SPI1 (2.1)	TECTB (1.9)	SNX10 (1.9)
PTPRZ1 (3.2)	FPR3 (3.0)	SNX10 (3.0)	SLC39A13 (3.0)	MST1R (2.8)
PLA2G6 (3.4)	CES4A (3.1)	TMEM62 (3.1)	NR1H3 (2.9)	MVK (2.8)
PLA2G6 (3.4)	CES4A (3.1)	TMEM62 (3.1)	NR1H3 (2.9)	MVK (2.8)
PCSK7 (2.9)	TMED5 (2.9)	MT1M (2.5)	JMJD1C (2.4)	CMIP (2.3)
TRPS1 (2.9)	DPEP2 (2.9)	LILRA3 (2.5)	ARFGAP2 (2.5)	CD40 (2.3)
MTCH2 (3.1)	COQ9 (3.0)	SLC12A4 (2.7)	NDUFS3 (2.7)	ENSG00000182109 (2
RELB (3.9)	BCL3 (3.5)	PLA2G15 (3.3)	OASL (2.6)	CX3CL1 (2.5)
FADS1 (2.7)	PSKH1 (2.4)	IGF2R (2.4)	TUBGCP4 (2.3)	DOCK6 (2.3)
DGKG (2.5)	RAB11B (2.5)	CLPTM1 (2.5)	CMIP (2.5)	BACE1 (2.4)
GPR146 (3.3)	CETP (3.1)	RELB (3.0)	ZDHHC18 (2.8)	RSPO3 (2.6)
PCIF1 (3.0)	MTMR3 (2.9)	THAP11 (2.6)	KANK2 (2.5)	MED1 (2.4)
SPI1 (3.6)	PGS1 (3.4)	GPR146 (2.8)	RELB (2.8)	CD40 (2.5)
LILRA3 (3.1)	NR1H3 (2.4)	CD40 (2.3)	APOC1 (2.2)	FPR3 (2.2)
MLXIPL (2.6)	PPY (2.6)	SEC14L4 (2.5)	ENSG00000226334 (2	OR4A21P (2.4)
SNX10 (3.8)	BCL3 (3.7)	FPR3 (3.4)	PSMB10 (3.1)	PTPRJ (2.8)
PGAP3 (3.4)	ERBB2 (3.3)	CENPT (3.2)	WDR76 (3.2)	KPNB1 (3.1)
RBPJ (2.9)	PGS1 (2.8)	BCL3 (2.8)	TTC39B (2.7)	LILRA3 (2.0)
FZD9 (3.2)	XKR8 (3.2)	CSGALNACT1 (3.1)	B3GNT9 (3.0)	TMEM101 (2.9)
MED1 (3.4)	BCL7B (3.3)	PAFAH1B2 (2.9)	PCIF1 (2.9)	G6PC3 (2.8)
LILRB2 (4.8)	LILRA3 (4.4)	BCL3 (4.2)	SPI1 (3.7)	CX3CL1 (3.5)
FADS1 (4.1)	CES4A (3.9)	GPAM (3.6)	SEC14L4 (3.6)	ZNF350 (3.0)

FADS1 (4.1)	CES4A (3.9)	GPAM (3.6)	SEC14L4 (3.6)	ZNF350 (3.0)
OR5J2 (2.9)	PNMT (2.7)	C16orf86 (2.7)	EXOC3L1 (2.7)	TCAP (2.3)
SPI1 (3.2)	SNX10 (3.1)	CCL17 (3.1)	PTPRJ (2.8)	RELB (2.8)
APOC4 (4.2)	CETP (3.4)	PLTP (3.4)	APOA5 (3.1)	APOE (3.0)
SPI1 (3.1)	CCL17 (3.0)	CCL22 (3.0)	HSF4 (2.7)	ACP2 (2.7)
HSF4 (2.5)	DUSP3 (2.5)	VEGFA (2.3)	PACSIN3 (2.2)	TTBK2 (2.2)
DOK4 (3.4)	MACF1 (3.1)	CD300LG (2.6)	ARHGAP1 (2.6)	MYBPC3 (2.6)
CD300LG (3.0)	C19orf80 (3.0)	HCAR1 (2.7)	CD36 (2.4)	GPAM (2.4)
GPAM (3.3)	PDHB (3.1)	FADS1 (3.0)	COQ9 (3.0)	FADS2 (3.0)
DGAT2 (3.9)	GPAM (3.3)	CD36 (3.2)	CD300LG (2.8)	ABCA8 (2.6)
SLC22A1 (3.5)	APOC3 (3.4)	APOA5 (3.3)	LPA (3.3)	F2 (3.2)
BCL3 (3.2)	RELB (3.0)	ENSG00000236267 (2	C1orf172 (2.6)	ESRP2 (2.4)
OR4A1P (2.4)	C1orf172 (2.3)	PGAP3 (2.2)	C16orf70 (2.2)	ELMO3 (2.1)
BCL3 (3.3)	RELB (3.1)	GPR146 (2.6)	ZDHHC18 (2.5)	ABCA1 (2.5)
CCL17 (3.2)	BCL3 (3.1)	TTC39B (3.1)	RBPJ (2.6)	CSGALNACT1 (2.4)
CETP (3.7)	ACP2 (3.2)	NR1H3 (2.8)	TMEM101 (2.6)	DPEP2 (2.5)
C19orf80 (2.7)	HNF4A (2.6)	SLC12A3 (2.5)	APOC4 (2.5)	PLG (2.4)
CATSPER2 (2.0)	RBPJ (1.9)	HCAR1 (1.9)	LRRC29 (1.9)	TRPS1 (1.8)
TAGLN (2.8)	SLC39A13 (2.7)	PVRL2 (2.6)	APOE (2.5)	SLC12A4 (2.5)
SPI1 (2.9)	CTRL (2.8)	CD40 (2.7)	LILRB2 (2.6)	KIAA0895L (2.6)
PLA2G15 (4.5)	LILRA3 (4.0)	LPL (3.7)	SPI1 (3.5)	APOE (3.2)
RAB11B (3.5)	FADS2 (2.5)	POLR2C (2.4)	PLA2G15 (2.4)	RBPJ (2.3)
PCSK7 (3.1)	MT1E (3.0)	ANGPTL4 (2.7)	TBL2 (2.7)	MT1M (2.7)
RSPO3 (3.0)	PDE3A (2.9)	VEGFA (2.8)	SLC39A13 (2.8)	COBLL1 (2.7)
HERPUD1 (3.4)	TMED5 (3.3)	VEGFA (2.8)	DCPS (2.7)	PCSK7 (2.6)
CELF1 (2.6)	RBPJ (2.6)	LRP4 (2.4)	PDIA3 (2.3)	ZFAND2A (2.3)
ANGPTL4 (2.9)	PSKH1 (2.8)	COBLL1 (2.8)	SLC12A4 (2.8)	TECTB (2.3)
BCAM (2.8)	FHOD1 (2.6)	APOE (2.6)	PTPRZ1 (2.6)	MST1R (2.6)
APOB (5.6)	APOA1 (5.5)	APOC3 (5.4)	APOA5 (5.4)	APOC4 (5.3)
C18orf32 (2.7)	HSF4 (2.7)	GLUL (2.4)	RAB11B (2.4)	CLPTM1 (2.3)
PITPNM2 (2.3)	ENSG00000254235 (2	CBFB (2.2)	TTC39B (2.1)	ZNF664 (2.0)
LILRA3 (2.9)	OR4A21P (2.6)	ENSG00000181296 (2	DPEP2 (2.4)	RSPO3 (2.4)
BCAM (3.3)	ARHGAP1 (2.9)	LPL (2.8)	RSPO3 (2.5)	RAB11B (2.4)
COBLL1 (2.8)	CYP2W1 (2.5)	HCAR1 (2.3)	ENSG00000181123 (2	PDE3A (2.0)
PAFAH1B2 (3.2)	CD40 (3.1)	CCL22 (3.1)	RSPRY1 (2.8)	ZDHHC18 (2.7)
SPI1 (3.2)	LRP4 (3.1)	LPL (2.5)	ENSG00000255507 (2	SNX10 (2.5)
CCL17 (3.3)	PGS1 (3.1)	TTC39B (2.8)	RBPJ (2.6)	CSGALNACT1 (2.1)
COBLL1 (2.3)	ABCB9 (2.3)	TECTB (2.2)	MADD (2.2)	CYP2W1 (2.1)
APOC3 (2.8)	GPR146 (2.7)	APOB (2.7)	LILRB2 (2.3)	NAGS (2.2)
ACAA2 (2.4)	SLC12A3 (2.4)	CIAPIN1 (2.3)	NAGS (2.2)	EIF3J (2.1)
DGKG (2.6)	MYO5B (2.6)	BCL7B (2.6)	NUTF2 (2.3)	BCAM (2.3)
MT1H (5.4)	MT1X (4.7)	MT1M (4.5)	APOA4 (3.1)	CPS1 (3.1)
SEC14L4 (3.5)	CD36 (3.4)	PCSK7 (2.9)	E2F4 (2.3)	APOC1 (2.2)
APOA4 (2.5)	NR0B2 (2.4)	TBKBP1 (2.4)	HDAC5 (2.3)	ABCA8 (2.3)
ARHGAP1 (2.5)	ARID1A (2.4)	CELF1 (2.2)	NCOA5 (2.2)	INTS10 (2.1)
ACAA2 (3.8)	MTCH2 (3.1)	LPL (3.0)	CATSPER2 (2.6)	BBS2 (2.5)
DYM (2.5)	COQ9 (2.5)	SLC39A13 (2.4)	TBL2 (2.3)	SLC12A4 (2.3)
DYM (2.8)	HCAR1 (2.7)	RELB (2.7)	C16orf70 (2.7)	ATG13 (2.6)
VEGFA (3.0)	ANGPTL4 (2.9)	CD36 (2.8)	PPP1R1B (2.4)	MPP2 (2.3)
CBFB (3.0)	BCL3 (2.6)	VEGFA (2.5)	HERPUD1 (2.2)	FHOD1 (2.2)

RLTPR (2.7)
MST1R (3.5)
FADS2 (8.8)
CCL17 (3.2)
TGM5 (3.1)
PLG (6.2)
TRADD (2.6)
FBXL20 (2.4)
MT1H (13.7)
PACSIN3 (3.2)
CD40 (2.6)
BAZ1B (2.7)
CYP26A1 (3.1)
REEP3 (2.7)
AFF1 (2.7)
GPR146 (3.4)
ETV5 (2.4)
ARFGAP2 (3.2)
LPL (3.2)
RBM6 (3.7)
NR0B2 (3.3)
PDIA3 (3.2)
CELF1 (2.8)
CD300LG (2.6)
PDIA3 (2.8)
GALNT2 (2.5)
GPR146 (3.1)
HNF4A (3.1)
TMEM208 (3.0)
FADS1 (8.1)
SLC22A1 (2.8)
GPR146 (3.1)
SPI1 (3.4)
BACE1 (2.3)
IGF2R (3.5)
CBFB (2.7)
PLA2G6 (3.3)
PLA2G15 (3.3)
MTCH2 (4.9)
ETV5 (3.2)
BCL3 (3.2)
MLXIPL (3.7)
PLA2G15 (3.7)
ABCA8 (4.1)
GPR146 (3.2)
CSGALNACT1 (2.6)
LIPC (3.9)
ARID1A (2.3)
FPR3 (2.5)
APOA5 (4.7)

ACP2 (2.5)
ESRP2 (3.2)
LIPG (4.1)
PGS1 (3.1)
FHOD1 (2.8)
SLC22A1 (5.8)
PTPRJ (2.5)
LRRC29 (2.4)
MT1F (13.5)
VEGFA (2.8)
NLRC5 (2.6)
TUBGCP4 (2.6)
MT1M (2.6)
CELSR2 (2.6)
BCL3 (2.6)
ZDHHC18 (2.8)
SPG11 (2.3)
PARD6A (3.0)
OR5L2 (2.7)
MTF2 (3.6)
PLA2G6 (3.3)
HERPUD1 (2.9)
UBE3B (2.5)
CX3CL1 (2.6)
MTCH2 (2.7)
RLTPR (2.4)
ZDHHC18 (3.0)
C17orf57 (2.8)
NDUFS3 (2.7)
LIPG (4.7)
NR0B2 (2.4)
ZDHHC18 (3.0)
CCL17 (3.4)
SPI1 (2.2)
DUSP3 (3.2)
TRIB1 (2.5)
BBS2 (2.8)
ABCA1 (3.2)
ACAA2 (4.2)
HARBI1 (2.9)
PGS1 (2.9)
GPIHBP1 (3.7)
APOC1 (3.6)
PLTP (3.4)
RBPJ (2.9)
RSPO3 (2.6)
APOC3 (3.8)
CMIP (2.3)
UBR1 (2.5)
CYP26A1 (4.6)

RBPJ (2.4)
MAFF (2.8)
SLC22A1 (3.6)
TTC39B (2.8)
UBR1 (2.6)
LCAT (4.4)
SNX10 (2.4)
CATSPER2 (2.2)
MT1M (13.5)
RAPSN (2.8)
ZDHHC18 (2.5)
G6PC3 (2.5)
RSPO3 (2.4)
ENSG00000236267 (2
HCAR1 (2.4)
RELB (2.8)
AFF1 (2.2)
ATG13 (2.6)
KLF14 (2.6)
C12orf43 (3.2)
TMEM62 (2.8)
DUS2L (2.9)
C12orf65 (2.5)
CD36 (2.4)
GPAM (2.6)
COX19 (2.4)
RELB (2.9)
PLG (2.6)
CIAPIN1 (2.7)
SLC22A1 (3.7)
ACP2 (2.3)
LILRB2 (3.0)
APOE (3.3)
HDAC5 (2.2)
DPEP2 (3.0)
RAB11B (2.5)
TMED5 (2.6)
NR1H3 (2.9)
PTPMT1 (3.7)
FBXL20 (2.9)
RBPJ (2.9)
GPAM (3.6)
ABCA1 (3.5)
LCAT (3.3)
ZDHHC18 (2.8)
PLTP (2.5)
APOA4 (3.5)
CLPTM1 (2.3)
CSGALNACT1 (2.3)
CPS1 (4.3)

CCL22 (2.3)
GRB7 (2.5)
PLG (2.5)
RBPJ (2.7)
LIPC (2.3)
CPS1 (4.3)
SPI1 (2.4)
TTBK2 (2.2)
TAGLN (6.2)
SNX13 (2.5)
SNX10 (2.4)
PSMC3 (2.5)
SLC39A13 (2.4)
TGM5 (2.5)
OR4A21P (2.3)
LILRB2 (2.8)
UVRAG (2.2)
PXK (2.6)
HCAR1 (2.5)
ZNF335 (2.5)
SLC7A6 (2.7)
COQ9 (2.9)
BAZ1B (2.4)
CELSR2 (2.4)
SDF2L1 (2.3)
ST3GAL4 (2.4)
RBPJ (2.8)
TMED5 (2.5)
C16orf70 (2.3)
PLG (3.1)
APOC4 (2.3)
SPI1 (2.8)
LPL (3.2)
MADD (2.2)
NR1H3 (2.9)
NFATC3 (2.4)
CD300LG (2.5)
SLC22A1 (2.8)
CIAPIN1 (3.5)
CITED2 (2.8)
TTC39B (2.4)
ANGPTL4 (3.4)
MT1M (3.2)
APOA5 (3.1)
RELB (2.6)
B3GNT9 (2.4)
APOC4 (3.4)
MPP2 (2.2)
CCDC116 (2.3)
APOC3 (4.3)

SIK3 (1.8)
CES4A (2.4)
CES4A (2.4)
CSGALNACT1 (2.1)
LPA (2.3)
LIPC (3.5)
STRC (2.2)
EYA3 (2.1)
LILRA3 (3.1)
DOCK6 (2.5)
DPEP2 (2.4)
KPNB1 (2.2)
SOST (2.3)
BCAM (2.4)
CD40 (2.3)
RSPO3 (2.5)
TRPS1 (2.2)
KCTD6 (2.5)
ST3GAL4 (2.5)
MPHOSPH9 (2.4)
CPS1 (2.6)
ZFAND2A (2.8)
PAFAH1B2 (2.3)
MACF1 (2.3)
VEGFA (2.3)
PAFAH1B2 (2.4)
LILRB2 (2.8)
SOST (2.5)
PSMB10 (2.2)
SFN (2.5)
BACE1 (2.3)
RELB (2.6)
CCL22 (3.1)
TGM7 (2.1)
CLPTM1 (2.8)
MED1 (2.4)
ZNF615 (2.4)
CETP (2.4)
NR0B2 (2.4)
ARFGAP2 (2.8)
PSMB10 (2.0)
ACAA2 (2.9)
ABCA8 (2.6)
PLG (3.0)
LILRB2 (2.6)
DYM (2.1)
PLG (3.3)
MACF1 (2.2)
MT1H (2.1)
APOA4 (3.7)

ZNF615 (2.6)	NEUROD2 (2.6)	AGBL2 (2.2)	NR0B2 (2.1)	PLTP (2.0)
RAB11B (3.4)	DYM (3.0)	C18orf32 (2.7)	HARBI1 (2.6)	ERBB2 (2.6)
FRMD5 (3.5)	CD36 (3.5)	RAPSN (2.9)	LPL (2.5)	ACAA2 (2.5)
CLPTM1 (2.7)	TTBK2 (2.6)	MON1A (2.4)	CCDC92 (2.4)	RAB11B (2.3)
RELB (3.5)	UVRAG (3.4)	HERPUD1 (3.0)	ARID1A (2.9)	BAZ1B (2.7)
MVK (2.8)	COBLL1 (2.2)	KLF14 (2.2)	FRMD5 (2.1)	APOA4 (2.1)
LSM12 (2.9)	KPNB1 (2.8)	NUP160 (2.5)	PGAP3 (2.4)	CKAP5 (2.4)
ARID1A (2.6)	HDAC5 (2.5)	KANK2 (2.5)	NR0B2 (2.3)	HNF4A (2.3)
LRRC29 (2.3)	JMJD1C (2.1)	CATSPER2 (2.0)	MED1 (1.9)	TTBK2 (1.9)
TMEM175 (2.9)	SNX13 (2.7)	DYM (2.6)	ZNF335 (2.6)	KCTD10 (2.5)
MAFF (2.6)	ABCA8 (2.5)	ST3GAL4 (2.4)	NR0B2 (2.3)	TBKBP1 (2.2)
NDUFS3 (2.7)	MTCH2 (2.7)	PSMC3 (2.5)	CPS1 (2.4)	TOMM40 (2.0)
LPL (3.2)	SDF2L1 (3.1)	MLXIPL (2.4)	PDIA3 (2.4)	CD36 (2.3)
SDF2L1 (2.7)	NPEPPS (2.6)	MT1M (2.5)	RAPSN (2.5)	TBL2 (2.4)
PTPRZ1 (2.7)	APOE (2.5)	LILRA3 (2.1)	TMEM175 (2.1)	MYO5B (1.8)
FPR3 (3.5)	NR1H3 (3.0)	ACAA2 (2.8)	CD36 (2.7)	APOC1 (2.7)
EXOC3L1 (2.2)	LIPG (2.1)	NAGS (2.1)	G6PC3 (2.0)	TGM5 (2.0)
IGF2R (3.4)	C11orf9 (3.3)	EXOC3L1 (3.0)	ARID1A (2.9)	DOK4 (2.8)
LRP4 (2.7)	PGS1 (2.4)	AGBL2 (2.2)	MVK (2.1)	PLTP (2.1)
LILRA3 (3.4)	CCL17 (3.3)	CD40 (3.2)	TRIB1 (3.0)	RELB (3.0)
VEGFA (2.3)	TBL2 (2.3)	NPEPPS (2.1)	ENSG00000255507 (2	ENSG00000247445 (2
DPEP2 (2.5)	RELB (2.3)	TTC39B (2.2)	SIK3 (2.1)	CCL17 (2.1)
PLTP (2.5)	CCL22 (2.0)	LIPC (2.0)	APOC4 (1.9)	LCAT (1.9)
PGS1 (2.2)	KCTD10 (2.2)	NCOA5 (2.1)	ETV5 (2.1)	SPG11 (2.1)
NR0B2 (2.8)	VEGFA (2.7)	NFATC3 (2.5)	BCAM (2.5)	NPEPPS (2.3)
ENSG00000181123 (2	SPRYD5 (2.4)	DPEP3 (2.3)	MTMR3 (2.2)	FHOD1 (2.2)
BCL7B (3.1)	RANBP10 (2.7)	TBL2 (2.7)	MED1 (2.5)	NOL3 (2.2)
ZNF614 (3.3)	ARID1A (2.8)	CCDC116 (2.7)	DDX28 (2.6)	HARBI1 (2.5)
PDE3A (2.2)	ST3GAL4 (2.2)	ATG13 (2.2)	PLEKHG4 (2.1)	CCDC11 (2.1)
SNX13 (3.2)	ACP2 (3.1)	C16orf70 (3.1)	TMEM208 (3.0)	DUSP3 (2.9)
BCL3 (3.0)	PGS1 (2.8)	RBPJ (2.7)	TTC39B (2.5)	CSGALNACT1 (2.1)
BCL3 (3.7)	PSMB10 (3.6)	SNX10 (3.5)	RELB (3.3)	CCL22 (3.2)
TGM7 (2.6)	CX3CL1 (2.5)	MT1H (2.4)	CETP (2.4)	MT1M (2.3)
RLTPR (3.3)	SPI1 (2.9)	ZDHHC18 (2.8)	BCL3 (2.7)	PSMB10 (2.4)
PLA2G6 (2.5)	LPL (2.4)	FRMD5 (2.4)	DGAT2 (2.4)	MLXIPL (2.4)
SPG11 (2.5)	CLPTM1 (2.4)	DUS2L (2.4)	PPY (2.3)	PAFAH1B2 (2.3)
CD40 (2.2)	GALNT2 (2.0)	SLC12A3 (1.9)	LILRA3 (1.9)	PNMT (1.8)
PSKH1 (2.7)	GPIHBP1 (2.6)	ABCA1 (2.4)	APOC1 (2.4)	CLPTM1 (2.4)
TRIB1 (3.4)	MAFF (3.3)	ZNF335 (3.3)	ARID1A (3.0)	DCPS (2.8)
CES4A (4.5)	MMAB (3.9)	SEC14L4 (3.8)	DGAT2 (3.7)	MLXIPL (3.5)
APOA5 (5.2)	PLG (4.9)	LIPC (4.2)	C19orf80 (3.2)	LCAT (3.1)
SOST (2.6)	ENSG00000254235 (2	ARID1A (2.3)	FPR3 (2.3)	UBE2L3 (2.3)
CETP (3.1)	ACP2 (3.0)	FPR3 (2.6)	CLPTM1 (2.5)	CD40 (2.5)
SPI1 (3.9)	LILRB2 (3.0)	LILRA3 (2.9)	CETP (2.8)	EPB42 (2.8)
PLG (3.6)	LPA (3.2)	CIAPIN1 (2.8)	LCAT (2.5)	DPEP3 (2.4)
BCL3 (2.7)	ABCA8 (2.3)	JMJD1C (2.2)	TRIB1 (2.2)	LILRA3 (2.1)
RSPO3 (2.4)	TRPS1 (2.3)	BMP8A (2.1)	DPEP2 (2.1)	FADS1 (2.0)
PDIA3 (2.9)	KPNB1 (2.7)	HERPUD1 (2.5)	CITED2 (2.4)	NUTF2 (2.1)
THAP11 (2.5)	CD40 (2.5)	MTMR3 (2.4)	CD300LG (2.3)	KIAA0895L (2.1)
NAGS (2.9)	APOC4 (2.7)	PLG (2.4)	SLC22A1 (2.3)	MT1H (2.2)

LILRA3 (4.3)	LILRB2 (3.3)	MAFF (3.0)	ZDHHC18 (2.4)	BCL3 (2.4)
PGAP3 (3.7)	FBXL20 (3.5)	RNF214 (3.2)	BAZ1B (3.1)	PCIF1 (2.8)
MVK (2.4)	FADS1 (2.3)	FZD9 (2.3)	RNF214 (2.2)	FADS2 (2.2)
LILRA3 (3.1)	TRADD (3.0)	PGS1 (2.4)	BMP8A (2.4)	KIAA0895L (2.4)
ERBB2 (2.7)	PACSIN3 (2.7)	CYP26A1 (2.3)	ARID1A (2.0)	PVRL2 (2.0)
CCL22 (3.3)	PSMB10 (3.1)	CCL17 (2.8)	NLRC5 (2.5)	SLC22A1 (2.3)
IGF2R (2.4)	FZD9 (2.3)	OR5I1 (2.3)	KANK2 (2.1)	LRP4 (2.0)
LPA (2.3)	LIPC (2.3)	APOC4 (2.2)	CD40 (2.0)	SLC22A1 (2.0)
ANGPTL4 (3.1)	C16orf86 (3.0)	CD36 (2.9)	ZNF615 (2.8)	CTRL (2.6)
EDC4 (3.5)	CXXC1 (3.4)	CKAP5 (3.3)	MTF2 (3.2)	NFATC3 (3.2)
CETP (3.7)	LILRA3 (3.6)	PLG (3.6)	SEC14L4 (3.1)	APOA4 (2.9)
PTPRJ (3.4)	PSMB10 (3.0)	ACP2 (2.8)	PGS1 (2.7)	NR1H3 (2.6)
DUSP3 (3.8)	CITED2 (3.7)	VEGFA (3.3)	GPR146 (3.0)	ZFAND2A (2.9)
RBPJ (3.1)	FPR3 (2.6)	ABCA1 (2.1)	PGS1 (2.1)	KLHL8 (2.0)
TRADD (3.0)	OR4A21P (2.8)	OR4A1P (2.7)	ATG13 (2.4)	PSKH1 (2.4)
SLC7A6 (4.1)	OGFOD1 (3.4)	B3GNT9 (3.4)	ATG13 (3.4)	AMFR (3.3)
PSKH1 (3.0)	XKR8 (2.8)	UVRAG (2.4)	OR5I1 (2.4)	AMFR (2.2)
APOC4 (3.2)	LPA (3.1)	APOA5 (3.0)	PPP1R1B (2.9)	HNF4A (2.8)
FZD9 (2.4)	ABCA8 (2.3)	TRPS1 (2.2)	RSPO3 (2.2)	KANK2 (2.1)
NPEPPS (2.8)	MYO5B (2.6)	TNKS (2.3)	AMFR (2.2)	DOK4 (2.1)
HDAC5 (2.3)	ARID1A (2.3)	BMP8A (2.2)	TUBGCP4 (2.1)	DOCK6 (2.1)
ENSG00000223745 (2	C17orf105 (1.7)	DPEP3 (1.7)	PDE3A (1.6)	GPAM (1.6)
GPR146 (3.3)	ZDHHC18 (2.9)	RELB (2.8)	LILRB2 (2.7)	SPI1 (2.5)
GPIHBP1 (3.8)	PVRL2 (3.4)	LIPG (2.7)	CD300LG (2.6)	BCAM (2.5)
NCOA5 (3.5)	ARFGAP2 (3.3)	ZNF335 (3.0)	ZNF408 (2.8)	TMEM101 (2.7)
NCOA5 (3.5)	ARFGAP2 (3.3)	ZNF335 (3.0)	ZNF408 (2.8)	TMEM101 (2.7)
ENSG00000179523 (2	VEGFA (2.3)	LRP4 (2.3)	CCDC92 (2.3)	GALNT2 (2.3)
SETD8 (3.1)	NPEPPS (3.0)	SNX13 (2.9)	ABCA1 (2.7)	GPR146 (2.6)
GLUL (2.8)	CETP (2.6)	APOC1 (2.2)	PLTP (2.1)	PLA2G15 (2.0)
VEGFA (3.4)	FHOD1 (2.8)	ABCA1 (2.7)	MTMR3 (2.7)	IGF2R (2.5)
RBPJ (2.3)	CBFB (2.3)	HDAC5 (2.2)	EXOC3L1 (2.2)	SOST (2.1)
E2F4 (2.5)	EPB42 (2.4)	NLRC5 (2.2)	CD40 (2.1)	NFATC3 (2.1)
ZNF664 (2.6)	TTC39B (2.4)	SNX10 (2.2)	AMFR (2.1)	RAB11B (2.1)
CD40 (3.8)	BCL3 (3.5)	RELB (3.4)	SNX10 (2.4)	FNBP4 (2.4)
PNMT (2.8)	NLRC5 (2.6)	MED1 (2.5)	MTMR3 (2.1)	TRPS1 (2.1)
FADS2 (8.2)	AMFR (3.2)	LIPG (3.1)	SCARB1 (2.9)	CES4A (2.8)
ETV5 (3.1)	BCAM (2.8)	RSPO3 (2.5)	PTPRZ1 (2.4)	GALNT2 (2.4)
IGF2R (3.0)	ESRP2 (2.8)	ARID1A (2.8)	UBE3B (2.7)	MACF1 (2.6)
TMEM62 (3.0)	MTCH2 (3.0)	GALNT2 (3.0)	NR1H3 (2.9)	GPAM (2.7)
CCL17 (2.5)	ZDHHC18 (2.5)	TGM7 (2.4)	SFN (2.4)	LILRB2 (2.4)
CD36 (2.9)	SCARB1 (2.9)	DGAT2 (2.6)	ANGPTL4 (2.5)	GPIHBP1 (2.5)
CD300LG (2.7)	SNX13 (2.6)	ELMO3 (2.5)	PGAP3 (2.5)	C17orf57 (2.4)
MTMR3 (2.0)	DUSP3 (2.0)	ST3GAL4 (1.9)	PDE3A (1.8)	BMP8A (1.8)
PGS1 (3.5)	SPI1 (2.8)	ZDHHC18 (2.6)	CD40 (2.5)	RBPJ (2.5)
MVK (3.4)	ACAA2 (3.4)	FADS1 (3.4)	TMEM101 (3.1)	TMED5 (3.0)
MT1E (2.3)	NOL3 (2.2)	SLC12A4 (2.2)	ENSG00000182109 (2	PPIP5K1 (2.1)
PITPNM2 (2.6)	RAPSN (2.6)	IGF2R (2.5)	DGKG (2.2)	FPR3 (2.2)
MT1M (2.6)	TGM7 (2.4)	CCL17 (2.3)	MT1G (2.3)	MT1F (2.1)
TP53BP1 (2.7)	TAGLN (2.7)	PITPNM2 (2.5)	LIPG (2.4)	MACF1 (2.4)
APOA1 (3.4)	C19orf80 (3.3)	APOC3 (3.2)	PLG (3.2)	APOB (3.2)

UVRAG (2.4)	MTMR3 (2.4)	PXK (2.3)	MADD (2.1)	PLA2G6 (2.1)
NOL3 (2.7)	HSF4 (2.7)	SNX10 (2.6)	OR5I1 (2.4)	THAP11 (2.3)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
GPR146 (3.4)	ZDHHC18 (2.9)	LILRB2 (2.8)	RELB (2.8)	SPI1 (2.7)
PPIP5K1 (2.9)	COQ9 (2.8)	MON1A (2.8)	ZNF335 (2.8)	MTCH2 (2.7)
TRIB1 (2.7)	BCL3 (2.6)	RBPJ (2.6)	DDB2 (2.5)	SNX10 (2.5)
PPP1R1B (3.1)	SLC39A13 (3.1)	TECTB (2.3)	MST1R (2.2)	PLTP (2.2)
BCL3 (2.4)	HDAC5 (2.4)	CBFB (2.3)	RBPJ (2.2)	BAZ1B (2.2)
BCL3 (2.4)	HDAC5 (2.4)	CBFB (2.3)	RBPJ (2.2)	BAZ1B (2.2)
TAGLN (2.7)	HCAR1 (2.5)	BCAM (2.5)	TRIB1 (2.5)	B3GNT9 (2.4)
APOC3 (5.4)	APOA1 (4.4)	CPS1 (4.2)	PLG (4.2)	APOE (3.9)
CCL22 (3.1)	DOK4 (2.9)	CETP (2.8)	CX3CL1 (2.8)	RELB (2.5)
APOC4 (5.6)	NAGS (4.9)	APOA5 (4.6)	ABCA8 (3.3)	APOC3 (3.2)
GPR146 (3.3)	ZDHHC18 (2.9)	LILRB2 (2.7)	RELB (2.7)	SPI1 (2.5)
FADS1 (8.1)	LIPG (4.5)	SCARB1 (3.3)	ENSG00000179523 (3	PLA2G6 (2.5)
CD36 (2.4)	NR1H3 (2.3)	NR0B2 (2.2)	PDE3A (2.2)	FZD9 (2.1)
NCOA5 (2.6)	C11orf9 (2.6)	PPP1R1B (2.5)	RAB11B (2.5)	ARHGAP1 (2.4)
BCL3 (3.3)	CCL17 (3.3)	CD40 (2.9)	ZDHHC18 (2.8)	SPI1 (2.6)
FZD9 (2.5)	CELSR2 (2.4)	EPB42 (2.4)	DNAH10 (2.3)	SCARB1 (2.2)
LILRA3 (2.2)	CMIP (2.1)	NFATC3 (2.1)	CCL22 (2.1)	PIGV (1.9)
ZFAND2A (4.5)	VEGFA (4.2)	CITED2 (3.8)	BCL3 (3.5)	NRBF2 (2.8)
HERPUD1 (3.3)	CATSPER2 (2.7)	OR5J2 (2.5)	LSM12 (2.4)	ZNF614 (2.2)
LPA (6.5)	SLC22A1 (6.4)	CPS1 (5.1)	LCAT (4.5)	LIPC (4.4)
BACE1 (3.2)	FADS1 (3.1)	MMAB (2.9)	HNF4A (2.9)	APOA1 (2.7)
MLXIPL (2.6)	CMIP (2.4)	OR4A21P (2.3)	CD300LG (2.3)	GPER (2.3)
CD36 (3.8)	LPL (3.1)	SDF2L1 (3.1)	C18orf32 (2.7)	C1orf172 (2.5)
IGF2R (2.4)	E2F4 (2.3)	JMJD1C (2.3)	FZD9 (2.2)	CPNE2 (2.2)
PPIP5K1 (2.5)	SMPD3 (2.5)	MST1R (2.4)	TRPS1 (2.4)	SIDT2 (2.3)
CELF1 (2.7)	KCTD6 (2.6)	CYP26A1 (2.6)	CKAP5 (2.6)	ENSG00000254235 (2
MMAB (2.3)	KIAA0895L (2.3)	ACAA2 (2.2)	TGM7 (2.0)	YDJC (2.0)
C18orf32 (2.9)	SFN (2.8)	CXXC1 (2.8)	ZNF664 (2.7)	C17orf57 (2.7)
OR4A21P (2.8)	PLTP (2.5)	APOA1 (2.4)	SLC12A3 (2.3)	APOC3 (2.2)
ABCA1 (2.4)	B3GNT9 (2.1)	LPL (2.1)	SLC7A6 (2.1)	MT1M (2.1)
MST1R (4.6)	CMIP (3.7)	SFN (3.6)	MYO5B (2.8)	PSKH1 (2.7)
MT1E (3.9)	MT1M (3.7)	OR5I1 (3.0)	MT1H (2.7)	ENSG00000256746 (2
GPR146 (3.6)	ZDHHC18 (2.9)	LILRB2 (2.8)	SPI1 (2.6)	RELB (2.5)
PTPRJ (2.5)	DGAT2 (2.5)	PSMB10 (2.4)	BCL3 (2.2)	ZDHHC18 (2.2)
ACP2 (2.8)	MT1M (2.7)	MT1H (2.6)	CCDC116 (2.6)	CCL17 (2.5)

TMEM101 (4.6)	CLPTM1 (4.4)	TMEM208 (4.4)	TMED5 (4.4)	NLRC5 (4.0)
OASL (3.2)	CCL17 (2.9)	PGS1 (2.8)	TTC39B (2.5)	RBPJ (2.5)
ENSG00000181123 (2	GPR146 (2.0)	SLC12A4 (2.0)	RSPO3 (2.0)	MTMR3 (1.9)
RAB11B (2.6)	C18orf32 (2.5)	SLC12A3 (2.5)	TMED5 (2.4)	UBE2L3 (2.4)
BCL3 (3.0)	TTC39B (2.7)	PGS1 (2.6)	RBPJ (2.6)	CSGALNACT1 (1.9)
CD40 (3.3)	MYO1H (2.8)	SPI1 (2.3)	CPS1 (2.3)	BMP8A (2.2)
MT1H (2.8)	MT1F (2.6)	MT1M (2.6)	MT1G (2.5)	CCDC116 (2.5)
BCL3 (3.1)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.1)
BCL3 (3.1)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.1)
SCARB1 (3.0)	HDAC5 (2.6)	CPNE2 (2.5)	JMJD1C (2.5)	FHOD1 (2.5)
MYBPC3 (2.4)	MAFF (2.4)	ANGPTL4 (2.3)	GPIHBP1 (2.2)	FRMD5 (2.1)
BCL3 (3.1)	PGS1 (2.8)	TTC39B (2.6)	RBPJ (2.5)	CSGALNACT1 (2.1)
CD300LG (2.1)	CCL22 (2.1)	CCL17 (2.0)	GPIHBP1 (1.9)	HCAR1 (1.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
GPR146 (3.4)	ZDHHC18 (3.0)	RELB (2.9)	SPI1 (2.9)	LILRB2 (2.8)
CD36 (2.6)	C12orf65 (2.5)	CD40 (2.5)	UVRAG (2.4)	PSMB10 (2.1)
BCAM (2.9)	LRP4 (2.6)	CYP26A1 (2.4)	TGM5 (2.3)	SMPD3 (2.3)
MST1R (2.8)	ELMO3 (2.7)	C17orf57 (2.6)	GPER (2.6)	ESRP2 (2.5)
HNF4A (4.4)	PLG (3.3)	LIPC (2.8)	SLC22A1 (2.6)	APOB (2.5)
MTF2 (2.7)	GALNT2 (2.6)	CCL17 (2.6)	RLTPR (2.5)	PLA2G15 (2.4)
MLXIPL (2.6)	GPR146 (2.5)	CIAPIN1 (2.5)	GPAM (2.4)	MT1H (2.4)
MYBPC3 (2.6)	PGAP3 (2.5)	PPP1R1B (2.5)	EYA3 (2.5)	CELF1 (2.5)
LPL (2.1)	PGS1 (2.0)	PLA2G15 (1.9)	IGF2R (1.8)	MPP2 (1.8)
PLTP (2.6)	SNX13 (2.5)	APOC1 (2.5)	MAP1A (2.4)	ABCA1 (2.4)
BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.1)
BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.1)
BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.1)
GPR146 (2.7)	APOB (2.6)	APOA1 (2.6)	ABCB9 (2.5)	APOC3 (2.3)
STRC (2.6)	GPER (2.5)	ENSG00000254235 (2	ST3GAL4 (2.3)	MLXIPL (2.3)
HARBI1 (3.7)	SLC39A13 (3.6)	TMEM208 (3.2)	B3GNT9 (3.1)	ARHGAP1 (3.0)
PTPRJ (2.6)	KPNB1 (2.6)	NPEPPS (2.5)	TRADD (2.4)	COBLL1 (2.4)
C16orf70 (2.7)	TMED5 (2.6)	NRBF2 (2.4)	C18orf32 (2.4)	HERPUD1 (2.3)
SCARB1 (2.7)	MT1M (2.7)	CTRL (2.5)	TMED5 (2.3)	MYO5B (2.1)
TMED5 (3.1)	ARFGAP2 (3.0)	ZDHHC18 (3.0)	CASC4 (2.8)	RNF214 (2.6)
SLC39A13 (3.0)	SDF2L1 (2.9)	PDIA3 (2.9)	HERPUD1 (2.8)	TMEM208 (2.7)
ZNF664 (2.4)	KANK2 (2.3)	DNAH10 (2.2)	UVRAG (2.2)	BAZ1B (2.2)
RELB (2.9)	GPR146 (2.9)	ZDHHC18 (2.8)	RBPJ (2.8)	SPI1 (2.4)
CITED2 (2.6)	DPEP3 (2.6)	RBM5 (2.4)	RAB11B (2.3)	CCNDBP1 (2.2)
GPAM (2.5)	PLA2G15 (2.5)	LPL (2.4)	C11orf9 (2.3)	SLC7A6 (2.2)
GPAM (2.5)	PLA2G15 (2.5)	LPL (2.4)	C11orf9 (2.3)	SLC7A6 (2.2)
CX3CL1 (2.8)	MT1H (2.7)	ACP2 (2.7)	MT1M (2.7)	CCDC116 (2.5)
FADS2 (12.7)	LIPG (5.6)	SCARB1 (3.6)	GPAM (2.0)	ENSG00000179523 (1
AGBL2 (2.7)	NAGS (2.6)	C12orf65 (2.5)	HNF4A (2.3)	MBD1 (2.2)

RBM5 (2.7)	CELF1 (2.6)	BCAM (2.5)	ARID1A (2.4)	JMJD1C (2.2)
MVK (4.8)	SCARB1 (3.2)	PTPMT1 (2.7)	LIPG (2.6)	APOA5 (2.5)
ZFAND2A (4.0)	VEGFA (3.7)	CATSPER2 (2.8)	TRIB1 (2.8)	FAM192A (2.8)
UBR1 (2.4)	SLC12A4 (2.3)	TGM5 (2.2)	MACF1 (2.0)	TAGLN (2.0)
BCL3 (2.9)	PGS1 (2.7)	RBPJ (2.6)	TTC39B (2.5)	CSGALNACT1 (2.1)
AMFR (2.8)	OR5J2 (2.6)	RNF214 (2.6)	BAZ1B (2.6)	CYP26A1 (2.6)
RELB (3.2)	ZDHHC18 (3.1)	GPR146 (2.9)	SPI1 (2.6)	LILRB2 (2.6)
C19orf80 (2.5)	KCTD19 (2.1)	GPAM (2.1)	ENSG00000247867 (2	PPY (2.1)
C19orf80 (2.5)	KCTD19 (2.1)	GPAM (2.1)	ENSG00000247867 (2	PPY (2.1)
NLRC5 (3.4)	FPR3 (3.2)	PSMB10 (3.1)	CETP (2.7)	LCAT (2.2)
KANK2 (3.2)	GPIHBP1 (2.8)	DOCK6 (2.8)	SLC12A4 (2.8)	IGF2R (2.6)
CPS1 (4.5)	APOA4 (4.5)	APOC3 (4.2)	MT1M (3.9)	APOA5 (3.4)
CCL17 (3.5)	RLTPR (2.8)	PTPRJ (2.6)	CD40 (2.5)	TTC39B (2.4)
GPR146 (3.1)	ZDHHC18 (2.9)	RELB (2.7)	RBPJ (2.6)	RSPO3 (2.5)
DR1 (2.8)	CBFB (2.7)	FHOD1 (2.4)	KLHL8 (2.3)	CITED2 (2.2)
MMAB (3.2)	FADS2 (2.9)	FADS1 (2.5)	LPL (2.5)	GPAM (2.5)
LIPC (4.1)	APOA5 (3.7)	HNF4A (3.1)	CPS1 (3.0)	C12orf65 (3.0)
C1orf172 (2.6)	DPEP3 (2.6)	ESRP2 (2.6)	TRADD (2.5)	ENSG00000247867 (2
LPL (4.1)	ENSG00000247445 (3	ST3GAL4 (3.2)	GPR146 (3.0)	ANGPTL4 (2.6)
MON1A (2.6)	SEC14L4 (2.5)	ACP2 (2.4)	PLA2G6 (2.3)	MT1M (2.2)
B3GNT9 (2.5)	PPP1R1B (2.5)	LRP4 (2.5)	SMPD3 (2.5)	HCAR1 (2.3)
ESRP2 (3.8)	GRB7 (2.8)	MST1R (2.7)	SMPD3 (2.6)	TGM5 (2.5)
TGM7 (2.8)	ZNF614 (2.4)	MBD1 (2.4)	TTC39B (2.4)	SPI1 (2.2)
LSM12 (2.6)	DOK4 (2.5)	CKAP5 (2.5)	ARFGAP2 (2.3)	PYY (2.2)
LILRA3 (2.5)	CCDC116 (2.4)	OASL (2.3)	ENSG00000255507 (2	NRBF2 (2.1)
TRNP1 (2.6)	SNORD58C (2.6)	IGF2R (2.5)	TMEM208 (2.4)	TMEM101 (2.4)
ENSG00000254235 (2	LILRA3 (2.7)	PSMB10 (2.5)	MBD1 (2.4)	CES4A (2.2)
TRPS1 (2.6)	CYP26A1 (2.5)	VEGFA (2.3)	PTPRZ1 (2.2)	ARID1A (2.1)
COQ9 (3.3)	NDUFS3 (3.3)	MTCH2 (3.0)	SLC7A6 (2.6)	PTPMT1 (2.6)
APOA5 (4.2)	ABCA8 (4.1)	CPS1 (3.8)	PLG (3.8)	NAGS (3.7)
PLG (2.9)	NAGS (2.8)	CCDC92 (2.7)	CPS1 (2.6)	CETP (2.5)
GPR146 (3.5)	SPI1 (3.0)	LILRB2 (3.0)	ZDHHC18 (2.9)	RELB (2.7)
RLTPR (2.8)	MAFF (2.6)	CELSR2 (2.6)	TRIB1 (2.5)	C1QTNF4 (2.4)
SFN (3.2)	SIK3 (3.1)	CMIP (3.1)	GRB7 (3.0)	ZNF335 (2.7)
NOL3 (2.7)	CELSR2 (2.6)	SIDT2 (2.4)	IGF2R (2.4)	PDE3A (2.2)
ATG13 (2.8)	CSGALNACT1 (2.7)	SCARB1 (2.4)	C16orf70 (2.3)	CLPTM1 (2.3)
LPA (3.6)	NAGS (3.5)	APOC4 (3.5)	HERPUD1 (3.4)	LCAT (3.2)
RNF214 (2.3)	ZNF350 (2.2)	MT1M (2.0)	TMEM175 (2.0)	PXK (1.9)
RNF214 (2.3)	ZNF350 (2.2)	MT1M (2.0)	TMEM175 (2.0)	PXK (1.9)
TRPS1 (2.5)	PDIA3 (2.2)	ENSG00000247445 (2	PGS1 (2.1)	PLA2G15 (2.0)
TMEM175 (3.2)	SLC39A13 (3.1)	GALNT2 (3.0)	CSGALNACT1 (3.0)	ST3GAL4 (2.8)
CDK12 (2.8)	TOMM40 (2.7)	EIF3J (2.7)	EDC4 (2.7)	ZNF259 (2.5)
ZNF335 (3.0)	ARID1A (2.9)	MADD (2.7)	UBE3B (2.4)	UBR1 (2.4)
ENSG00000181296 (2	TTC39B (2.4)	MBD1 (2.2)	SPI1 (2.2)	DPEP2 (2.1)
CD40 (2.1)	CCL17 (2.1)	SPI1 (2.0)	SIK3 (1.9)	RELB (1.9)
LILRB2 (2.8)	CD300LG (2.8)	LPL (2.7)	SPI1 (2.6)	KCTD10 (2.6)
DOK4 (3.1)	LILRB2 (2.5)	PVRL2 (2.4)	LILRA3 (2.4)	CPNE2 (2.2)
APOB (3.8)	APOC4 (3.6)	APOE (3.6)	LIPC (3.5)	PVRL2 (3.4)
EPB42 (3.2)	PDHB (3.0)	GPAM (2.7)	SEC14L4 (2.6)	MTCH2 (2.2)
NR0B2 (2.9)	C18orf32 (2.9)	CD36 (2.7)	SDF2L1 (2.6)	MLXIPL (2.6)

BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.4)	CSGALNACT1 (1.9)
HDAC5 (3.2)	GFOD2 (2.9)	JMJD1C (2.9)	HCAR1 (2.6)	DR1 (2.5)
CD40 (2.3)	PTPRJ (2.3)	BCL3 (2.2)	TRADD (2.2)	RLTPR (2.1)
GPR146 (2.4)	C7orf50 (2.4)	LPA (2.3)	KCTD19 (2.0)	GFOD2 (2.0)
ENSG00000226334 (2	MT1F (2.3)	ENSG00000181123 (2	MT1G (2.0)	SMPD3 (1.9)
ERBB2 (3.1)	RBM5 (3.1)	UBE3B (3.0)	SPG11 (2.9)	GRB7 (2.8)
ELMO3 (2.8)	LILRB2 (2.7)	MST1R (2.7)	PGAP3 (2.7)	C17orf57 (2.6)
ESRP2 (2.5)	SFN (2.5)	LIPC (2.5)	MT1H (2.5)	APOA1 (2.4)
KLF14 (2.3)	PPP1R1B (2.2)	VEGFA (2.2)	MT1M (2.1)	ABCA1 (2.1)
BMP8A (2.8)	MT1H (2.5)	BCL3 (2.5)	MYO1H (2.4)	MST1R (2.3)
ZNF350 (2.7)	CETP (2.6)	UBR1 (2.4)	CCDC92 (2.4)	PXK (2.4)
VEGFA (2.4)	DYM (2.4)	MTCH2 (2.3)	TBL2 (2.2)	DPEP3 (2.1)
TMED5 (3.3)	SPI1 (3.2)	CD40 (3.0)	DPEP2 (2.9)	SNX10 (2.4)
APOA4 (2.6)	DPEP2 (2.6)	GNAO1 (2.5)	C11orf9 (2.4)	APOC3 (2.4)
HNF1A (2.5)	PACSIN3 (2.3)	DOK4 (2.2)	OR5J2 (2.2)	FRMD5 (2.0)
APOC3 (3.9)	APOB (3.8)	NAGS (3.3)	CPS1 (3.2)	MLXIPL (3.1)
APOC1 (2.9)	NR1H3 (2.9)	APOA5 (2.8)	LIPC (2.8)	F2 (2.5)
CD40 (2.4)	ENSG00000256746 (2	CCL22 (2.0)	LILRA3 (2.0)	C17orf57 (2.0)
CELSR2 (2.7)	RAB11B (2.6)	ENSG00000226645 (2	TMEM62 (2.2)	ATG13 (2.1)
LRP4 (2.6)	SMPD3 (2.6)	PTPRZ1 (2.4)	BMP8A (2.3)	CCL17 (2.1)
ENSG00000229043 (2	GPN2 (2.0)	PRMT7 (2.0)	LSM12 (1.9)	FHOD1 (1.8)
CD36 (3.6)	GPAM (3.4)	CYP26A1 (3.2)	ACAA2 (2.9)	APOA5 (2.8)
PTPRJ (2.6)	JMJD1C (2.4)	RLTPR (2.4)	SIK3 (2.3)	CBFB (2.1)
HARBI1 (2.5)	ENSG00000247867 (2	SBNO1 (2.4)	ENSG00000182109 (2	ENSG00000254235 (2
CD40 (3.6)	PTPRJ (3.2)	PSMB10 (3.1)	CX3CL1 (3.0)	PIGV (2.8)
CPS1 (4.2)	PLG (4.1)	APOA5 (3.5)	APOC3 (3.0)	F2 (2.8)
RSPO3 (2.7)	DOCK6 (2.5)	TBKBP1 (2.4)	ETV5 (2.4)	BCAM (2.3)
SNX10 (3.7)	RELB (3.2)	PSMB10 (3.1)	GLUL (3.0)	LILRA3 (2.6)
TBL2 (3.1)	NUP93 (3.1)	UBR1 (2.9)	CKAP5 (2.7)	TUBGCP4 (2.7)
ACAA2 (2.7)	ZNF259 (2.6)	COQ9 (2.5)	SBNO1 (2.3)	CATSPER2 (2.3)
ZSCAN29 (3.3)	HARBI1 (3.0)	CCDC116 (2.8)	PACSIN3 (2.7)	DDX28 (2.7)
LPA (3.9)	LCAT (3.9)	HERPUD1 (3.8)	COQ9 (3.5)	APOC4 (3.5)
POLR2C (3.3)	NUP93 (3.2)	PSMB10 (2.9)	NDUFS3 (2.9)	CIAPIN1 (2.8)
GPR146 (3.2)	LILRB2 (2.8)	RELB (2.8)	ZDHHC18 (2.7)	SPI1 (2.6)
NFATC3 (2.3)	ARID1A (2.3)	JMJD1C (2.3)	CSGALNACT1 (2.3)	LRP4 (2.3)
AMBRA1 (2.5)	OR5J2 (2.4)	MAFF (2.4)	PPY (2.0)	FZD9 (2.0)
LILRB2 (2.9)	NLRC5 (2.8)	LILRA3 (2.7)	ENSG00000236267 (2	CD40 (2.3)
JMJD1C (2.7)	CELSR2 (2.5)	PTPRZ1 (2.4)	TNKS (2.4)	ERBB2 (2.2)
NDUFS3 (4.2)	ACAA2 (4.0)	CIAPIN1 (3.4)	VEGFA (2.6)	CLPTM1 (2.4)
STRC (3.1)	SLC12A3 (2.8)	HNF1A (2.7)	APOC1 (2.7)	PPP1R1B (2.6)
APOA1 (4.8)	PLG (4.7)	APOA5 (4.2)	CPS1 (4.2)	APOC3 (4.0)
APOA1 (4.8)	PLG (4.7)	APOA5 (4.2)	CPS1 (4.2)	APOC3 (4.0)
PGAP3 (3.5)	MTF2 (3.4)	RSPRY1 (3.2)	EDC4 (3.1)	MED1 (3.1)
GPIHBP1 (3.2)	SEC14L4 (2.9)	VEGFA (2.6)	APOA5 (2.6)	BCAM (2.4)
THAP11 (2.6)	ZNF664 (2.6)	BUD13 (2.4)	CCDC18 (2.3)	SKA1 (2.3)
ZFAND2A (4.1)	RELB (3.6)	HERPUD1 (3.0)	BCL7B (2.7)	CITED2 (2.7)
PLG (5.4)	SLC22A1 (5.4)	LCAT (4.2)	CPS1 (4.0)	ENSG00000236267 (3
MAFF (2.4)	C11orf9 (2.3)	ENSG00000226645 (2	SLC12A4 (2.2)	GRB7 (2.1)
APOC4 (3.2)	CETP (3.0)	TAGLN (2.9)	CCDC92 (2.8)	DPEP2 (2.6)
MBD1 (2.4)	RSPO3 (2.4)	BCAM (2.3)	SLC12A4 (2.2)	FHOD1 (2.2)

CXXC1 (3.0)	NCOA5 (2.9)	HDAC5 (2.8)	E2F4 (2.8)	RANBP10 (2.6)
E2F4 (2.5)	NFATC3 (2.4)	PCSK7 (2.4)	OR5J2 (2.3)	MPP2 (2.3)
LILRA3 (2.7)	MST1R (2.6)	GRB7 (2.6)	GPER (2.6)	RBM5 (2.4)
LILRB2 (3.5)	CCL17 (3.3)	SPI1 (2.8)	LILRA3 (2.7)	ZDHHC18 (2.6)
GRB7 (3.9)	PNMT (3.7)	CDK12 (3.7)	PLA2G6 (3.5)	MED1 (3.5)
EXOC3L1 (2.3)	RLTPR (2.3)	ZDHHC18 (2.0)	SMPD3 (2.0)	DNAH10 (2.0)
MAFF (2.5)	DGAT2 (2.5)	TGM7 (2.4)	GPIHBP1 (2.4)	DGKG (2.3)
PPIP5K1 (3.2)	MTCH2 (3.2)	NDUFS3 (3.0)	CCNDBP1 (2.8)	DYM (2.6)
LIPG (2.8)	PLEKHG4 (2.6)	CCDC116 (2.5)	KLF14 (1.9)	SLC9A5 (1.8)
MAFF (3.8)	PTPRJ (3.2)	NCOA5 (3.0)	TRIB1 (2.8)	CCL17 (2.8)
MLXIPL (4.5)	HNF1A (4.4)	CTRL (3.8)	C11orf9 (3.6)	NR0B2 (2.9)
TMEM208 (3.3)	CDK12 (3.3)	NRBF2 (3.1)	PGAP3 (3.0)	SLC7A6OS (3.0)
C1orf172 (2.5)	CES4A (2.4)	TTC39B (2.3)	CELSR2 (2.2)	DGAT2 (2.2)
FZD9 (2.7)	PPP1R1B (2.5)	KANK2 (2.4)	NR0B2 (2.4)	THAP11 (2.4)
APOC3 (2.2)	SLC12A3 (2.1)	MTCH2 (2.1)	KLHL8 (2.1)	ENSG00000254235 (1
BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.6)	RBPJ (2.6)	CSGALNACT1 (2.0)
MTCH2 (2.6)	ACAA2 (2.5)	CASC4 (2.4)	PGS1 (2.4)	DUS2L (2.4)
PDE3A (2.8)	CSGALNACT1 (2.7)	ENSG00000226645 (2	LIPG (2.5)	ENSG00000226334 (2
CD36 (3.0)	SPI1 (3.0)	CPNE2 (2.5)	LPL (2.4)	TGM7 (2.2)
PGAP3 (3.1)	FBXL20 (2.8)	LSM12 (2.7)	PNMT (2.6)	PCIF1 (2.5)
PTPMT1 (2.3)	TTC39B (2.2)	PIGV (2.1)	KIAA0754 (2.1)	PPY (2.1)
NR1H3 (2.3)	REEP3 (2.2)	PDE3A (2.1)	PXK (2.0)	SNX10 (2.0)
BCL3 (4.0)	ZFAND2A (3.1)	NPEPPS (2.9)	DUSP3 (2.8)	HERPUD1 (2.8)
SPI1 (3.0)	SMPD3 (2.4)	XKR8 (2.2)	IGF2R (2.2)	ZDHHC18 (2.0)
RBPJ (3.0)	BCL3 (3.0)	PGS1 (2.9)	TTC39B (2.8)	CSGALNACT1 (2.0)
SLC12A3 (2.4)	OR5L2 (2.4)	ENSG00000255507 (2	C12orf65 (2.2)	CELSR2 (2.2)
RSPRY1 (3.6)	EDC4 (3.3)	PGAP3 (3.1)	MTF2 (2.9)	FAM192A (2.9)
GPR146 (3.4)	ZDHHC18 (3.0)	SPI1 (2.9)	RELB (2.8)	LILRB2 (2.7)
SNX10 (2.7)	PYY (2.7)	MT1X (2.6)	SLC22A1 (2.6)	APOC3 (2.4)
TBL2 (5.1)	TMEM208 (4.3)	TMED5 (4.1)	EIF3J (4.0)	C18orf32 (3.9)
CITED2 (3.1)	SPI1 (2.7)	PLTP (2.5)	MAFF (2.3)	MST1R (2.3)
CLPTM1 (2.8)	MMAB (2.8)	PGS1 (2.6)	SETD8 (2.6)	APOC3 (2.5)
MTMR3 (2.7)	DPEP2 (2.6)	OR5I1 (2.5)	GPR146 (2.4)	PGS1 (2.4)
MTMR3 (2.9)	HDAC5 (2.8)	JMJD1C (2.7)	ZNF335 (2.5)	TRPS1 (2.4)
BCL3 (3.1)	PGS1 (3.1)	RBPJ (2.6)	TTC39B (2.6)	CSGALNACT1 (2.1)
ENSG00000229043 (2	CPS1 (2.2)	SFN (2.1)	KIAA0895L (2.1)	SNX13 (2.1)
RAB11B (2.4)	MPP3 (2.3)	CCDC92 (2.3)	SNX10 (2.1)	NUTF2 (2.0)
RAB11B (2.4)	TRIB1 (2.3)	TRPS1 (2.3)	ARID1A (2.1)	CELSR2 (2.0)
PTPMT1 (3.4)	C18orf32 (3.3)	FADS2 (3.2)	CLPTM1 (3.2)	TMEM101 (3.0)
CX3CL1 (4.0)	FPR3 (3.8)	RELB (3.5)	LILRB2 (3.1)	PSMB10 (3.0)
MED1 (5.5)	GRB7 (5.0)	NEUROD2 (3.9)	ARID1A (3.8)	PNMT (3.4)
PSKH1 (3.3)	AMFR (2.8)	PYY (2.7)	HNF1A (2.7)	ESRP2 (2.7)
CD40 (3.9)	DDB2 (3.6)	PTPRJ (3.1)	RBPJ (2.8)	CCL17 (2.8)
RELB (2.7)	CD40 (2.6)	PCSK7 (2.3)	LSM12 (2.3)	ARFGAP2 (2.2)
SLC22A1 (2.9)	ENSG00000236267 (2	ADAL (2.4)	LPA (2.3)	ENSG00000254235 (2
HDAC5 (2.8)	CITED2 (2.8)	ZNF335 (2.8)	BUD13 (2.7)	NCOA5 (2.5)
SBNO1 (3.0)	CXXC1 (2.9)	ARID1A (2.8)	REEP3 (2.8)	NFATC3 (2.7)
CD40 (2.9)	PNMT (2.8)	RBPJ (2.7)	CCL22 (2.7)	TTC39B (2.5)
ZFAND2A (3.0)	HERPUD1 (3.0)	TRIB1 (2.7)	POLR2C (2.6)	SDF2L1 (2.6)
TMEM101 (2.7)	SMPD3 (2.7)	LRP4 (2.5)	CD300LG (2.1)	MLXIPL (2.1)

C16orf86 (2.5)	EXOC3L1 (2.5)	GPIHBP1 (2.5)	ENSG00000236267 (2	OR4A21P (2.4)
MT1M (3.4)	MT1G (3.4)	SIDT2 (3.0)	MT1H (2.9)	TMEM208 (2.9)
SBNO1 (2.8)	DOCK6 (2.7)	UBE3B (2.6)	PLA2G6 (2.5)	RBM5 (2.4)
ANGPTL4 (3.1)	HSF4 (2.9)	BACE1 (2.7)	BCAM (2.2)	TTC39B (2.2)
TMEM208 (4.5)	TBL2 (4.1)	TMED5 (3.6)	ATG13 (3.3)	TMEM101 (3.1)
GPR146 (2.9)	LILRA3 (2.8)	EXOC3L1 (2.8)	ENSG00000254235 (2	VEGFA (2.6)
GNAO1 (2.8)	GPAM (2.7)	CD36 (2.6)	HCAR1 (2.6)	PITPNM2 (2.5)
MBD1 (2.6)	MFAP1 (2.6)	PITPNM2 (2.5)	PLG (2.4)	KCTD6 (2.4)
VEGFA (2.5)	LCAT (2.2)	ANGPTL4 (2.2)	TBKBP1 (2.2)	ENSG00000256746 (2
CBFB (3.0)	HERPUD1 (2.9)	ARID1A (2.9)	MBD1 (2.7)	ETV5 (2.5)
ARID1A (2.7)	CYP26A1 (2.5)	DEPDC1 (2.4)	RSPO3 (2.3)	CCDC18 (2.3)
BCL7B (2.7)	ENSG00000254235 (2	UBE2L3 (2.5)	CELF1 (2.3)	C12orf43 (2.2)
PDHB (2.8)	MTCH2 (2.7)	ENSG00000223745 (2	NDUFS3 (2.4)	COQ9 (2.4)
ZFAND2A (3.0)	PDIA3 (2.9)	KPNB1 (2.8)	NUTF2 (2.7)	TOMM40 (2.6)
HCAR1 (3.0)	GPAM (2.8)	GPER (2.8)	GPIHBP1 (2.7)	C19orf80 (2.7)
ZDHHC18 (2.7)	NLRC5 (2.3)	APOE (2.3)	RLTPR (2.1)	UVRAG (2.1)
BCL3 (3.9)	MAFF (3.8)	CD40 (3.8)	CX3CL1 (3.0)	PYY (3.0)
ARID1A (2.8)	PCIF1 (2.8)	BUD13 (2.7)	ZNF335 (2.6)	JMJD1C (2.6)
HERPUD1 (3.0)	B3GNT9 (2.8)	POLR2C (2.7)	ARHGAP1 (2.6)	RSPRY1 (2.5)
ZNF615 (2.6)	RLTPR (2.5)	SIK3 (2.4)	TECTB (2.3)	C17orf57 (2.1)
DPEP2 (2.3)	MYO1H (2.3)	TBKBP1 (2.2)	CCL17 (2.1)	ENSG00000247445 (2
FHOD1 (2.7)	COBLL1 (2.4)	KANK2 (2.2)	C11orf9 (2.2)	PXK (2.1)
MLXIPL (2.5)	OR4A21P (2.5)	CD300LG (2.4)	CMIP (2.3)	HNF1A (2.2)
PCIF1 (2.6)	GLUL (2.6)	RAB11B (2.2)	SETD8 (2.2)	MPHOSPH9 (2.1)
CMIP (2.7)	DYM (2.4)	CXXC1 (2.3)	KANK2 (2.3)	HDAC5 (2.2)
SBNO1 (2.6)	ENSG00000247867 (2	NPEPPS (2.5)	HARBI1 (2.4)	TBL2 (2.2)
SBNO1 (2.6)	ENSG00000247867 (2	NPEPPS (2.5)	HARBI1 (2.4)	TBL2 (2.2)
LILRA3 (2.0)	TRPS1 (2.0)	NCOA5 (2.0)	BUD13 (1.9)	BCL3 (1.9)
SLC12A4 (3.1)	NDUFS3 (2.9)	ARFGAP2 (2.9)	MTCH2 (2.8)	MON1A (2.6)
CX3CL1 (3.2)	MAFF (2.9)	CCL17 (2.6)	SLC12A4 (2.5)	PIGV (2.5)
COQ9 (2.9)	NDUFS3 (2.6)	SKA1 (2.6)	CCDC18 (2.6)	PPIP5K1 (2.6)
C1orf172 (4.0)	ESRP2 (3.9)	SEC14L4 (3.0)	TGM5 (2.9)	CELSR2 (2.6)
CLPTM1 (3.2)	ACP2 (3.2)	DUSP3 (3.0)	ABHD6 (2.8)	IGF2R (2.7)
NR1H3 (2.1)	TECTB (2.0)	PLA2G15 (2.0)	TRADD (2.0)	HARBI1 (2.0)
TBL2 (3.1)	LRP4 (3.0)	OASL (2.8)	TRPS1 (2.7)	FPR3 (2.4)
RELB (3.6)	ABCA1 (3.0)	NLRC5 (2.9)	CCL17 (2.9)	CD40 (2.7)
FBXL20 (2.6)	MED1 (2.4)	CCDC116 (2.4)	FAM192A (2.3)	EXOC3L1 (2.3)
MT1G (2.8)	FBXL20 (2.7)	HERPUD1 (2.6)	ZSCAN29 (2.6)	HARBI1 (2.5)
SLC39A13 (2.4)	ENSG00000179523 (2	C12orf65 (2.2)	RSPO3 (2.2)	ZFAND2A (2.1)
DUS2L (2.9)	BCL3 (2.8)	CCL22 (2.7)	CD40 (2.6)	CCL17 (2.4)
C1orf172 (3.0)	LIPG (2.9)	CETP (2.7)	CD300LG (2.6)	PTPRZ1 (2.5)
APOA4 (3.4)	SOST (3.2)	MYO5B (2.5)	TBL2 (2.3)	APOC3 (2.2)
CD40 (4.5)	SIK3 (3.7)	PIGV (3.5)	CX3CL1 (3.0)	RAB11B (2.7)
ACP2 (2.5)	CETP (2.4)	ENSG00000236267 (2	ENSG00000182109 (2	GPIHBP1 (2.3)
MPP3 (2.4)	TGM5 (2.3)	MPHOSPH9 (2.3)	AFF1 (2.2)	C1QTNF4 (2.1)
VEGFA (3.9)	GPR146 (3.7)	CITED2 (3.4)	ZFAND2A (3.4)	BCL3 (3.3)
MT1E (3.9)	MT1H (3.7)	MT1M (3.3)	MAP1A (2.8)	OR4A1P (2.7)
CCL22 (3.2)	LILRB2 (3.1)	MT1G (2.7)	RBPJ (2.7)	RELB (2.7)
CTRL (2.4)	OR5J2 (2.3)	LILRB2 (2.2)	OR4A21P (2.2)	MAFF (2.1)
COQ9 (3.0)	NDUFS3 (2.7)	MTCH2 (2.7)	CTDSPL2 (2.7)	UBE3B (2.6)

HDAC5 (2.9)	CITED2 (2.6)	TRIB1 (2.6)	NCOA5 (2.6)	ZNF335 (2.6)
PTPRZ1 (2.3)	KCTD6 (1.9)	TSNAXIP1 (1.9)	DOK4 (1.9)	PDIA3 (1.9)
LILRA3 (3.7)	PSMB10 (3.6)	CCL17 (3.2)	RELB (2.9)	ANGPTL4 (2.8)
TRIB1 (2.9)	MTMR3 (2.9)	RANBP10 (2.8)	RSPRY1 (2.7)	VEGFA (2.6)
TMEM208 (2.7)	CSGALNACT1 (2.5)	LRP4 (2.4)	MON1A (2.4)	INTS10 (2.4)
EIF3J (2.8)	NPEPPS (2.7)	TOMM40 (2.7)	PRMT7 (2.7)	SBNO1 (2.6)
CBFB (2.8)	MT1X (2.6)	POLR2C (2.5)	C11orf9 (2.4)	MT1E (2.4)
CD300LG (2.6)	CX3CL1 (2.5)	TCAP (2.4)	ARHGAP1 (2.4)	CD36 (2.3)
ARHGAP1 (3.2)	MADD (3.1)	PCSK7 (3.1)	C16orf70 (3.0)	PXK (2.9)
GPR146 (3.2)	SPI1 (3.0)	RELB (2.8)	ZDHHC18 (2.8)	DGAT2 (2.5)
MLXIPL (4.0)	CTRL (3.7)	C11orf9 (3.3)	HNF1A (3.2)	NEUROD2 (2.8)
SFN (3.3)	GRB7 (3.3)	MST1R (3.3)	CMIP (3.0)	DOCK6 (3.0)
APOA5 (5.1)	NAGS (4.6)	APOC3 (3.9)	APOA4 (3.8)	CPS1 (3.7)
MIEN1 (3.4)	CDK12 (2.8)	RBM5 (2.7)	HNF4A (2.5)	PVRL2 (2.5)
CBFB (2.5)	SETD8 (2.5)	JMJD1C (2.5)	MTF2 (2.5)	BCL3 (2.4)
KCTD10 (2.3)	MST1R (2.3)	XKR8 (2.2)	CMIP (2.2)	MYO5B (2.1)
B3GNT9 (2.3)	PLA2G6 (2.1)	KLHL8 (2.1)	MPP2 (2.1)	OR5I1 (2.0)
GPAM (2.7)	MLXIPL (2.7)	CETP (2.6)	HCAR1 (2.4)	BMP8A (2.3)
CDK12 (3.8)	PGAP3 (3.6)	SLC7A6OS (3.3)	TMEM208 (3.2)	NRBF2 (2.9)
GPER (2.7)	LCAT (2.7)	ST3GAL4 (2.6)	SLC39A13 (2.5)	ABCB9 (2.4)
C11orf9 (2.9)	ST3GAL4 (2.9)	PNMT (2.9)	PLEKHG4 (2.8)	TNKS (2.6)
CITED2 (3.8)	FBXL20 (3.2)	PGS1 (2.8)	KLHL8 (2.4)	RBPJ (2.2)
BCL7B (3.0)	MTF2 (2.8)	MED1 (2.8)	PCIF1 (2.6)	ARID1A (2.5)
NRBF2 (3.4)	SLC7A6OS (3.3)	PGAP3 (3.2)	TMEM208 (3.1)	MIEN1 (3.0)
ERBB2 (6.2)	GRB7 (5.3)	ARID1A (4.1)	MIEN1 (3.7)	PCIF1 (3.4)
MT1M (2.8)	MT1H (2.6)	ANGPTL4 (2.6)	ABCA8 (2.6)	PTPRZ1 (2.5)
SLC12A4 (3.1)	MST1R (2.9)	IGF2R (2.9)	CDK12 (2.8)	FBXL20 (2.8)
TGM7 (2.3)	SIK3 (2.3)	SKA1 (2.2)	CKAP5 (2.1)	CDK12 (2.0)
PGS1 (3.0)	BCL3 (3.0)	TTC39B (2.7)	RBPJ (2.4)	CSGALNACT1 (2.1)
BCAM (3.1)	RAPSN (3.0)	GPIHBP1 (3.0)	CD300LG (2.9)	ENSG00000226334 (2
C17orf57 (2.6)	HNF1A (2.5)	FPR3 (2.4)	PCSK7 (2.1)	DPEP2 (2.1)
CITED2 (3.3)	KLHL8 (3.3)	VEGFA (3.2)	BCL3 (2.9)	BCL7B (2.6)
TRNP1 (2.3)	PTPRJ (2.0)	CMIP (2.0)	DUSP3 (2.0)	ST3GAL4 (1.9)
MT1X (2.9)	MT1H (2.8)	MT1E (2.4)	FZD9 (2.4)	BCAM (2.4)
NR1H3 (3.1)	GLUL (3.1)	NEUROD2 (2.5)	APOB (2.4)	GNAO1 (2.3)
ARHGAP1 (2.3)	PLA2G15 (2.3)	ZFAND2A (2.3)	MIEN1 (2.2)	MFAP1 (2.2)
CYP26A1 (3.1)	ABCA1 (2.9)	GLUL (2.3)	GNAO1 (2.3)	OASL (2.0)
CD36 (2.7)	SLC22A1 (2.4)	DGAT2 (2.3)	GPR146 (2.3)	SCARB1 (2.3)
CCL22 (3.9)	BCL3 (3.5)	RBPJ (3.1)	SPI1 (3.0)	CETP (2.9)
ARHGAP1 (3.3)	MADD (3.1)	PCSK7 (3.0)	DPEP2 (3.0)	C16orf70 (2.9)
NEUROD2 (3.0)	MYO5B (2.9)	PPP1R1B (2.5)	GNAO1 (2.1)	MADD (2.1)
MIEN1 (2.9)	APOE (2.7)	NR1H3 (2.6)	TMEM208 (2.5)	ABHD6 (2.4)
KPNB1 (2.7)	ZNF664 (2.4)	GLUL (2.2)	SKA1 (2.1)	NUP160 (2.0)
HDAC5 (3.1)	TRIB1 (2.6)	CXXC1 (2.4)	PDE3A (2.3)	VEGFA (2.3)
MTCH2 (2.6)	NUP93 (2.5)	ACD (2.4)	PRMT7 (2.4)	DYM (2.3)
APOC3 (2.7)	APOB (2.6)	GPR146 (2.6)	CCL17 (2.2)	CD36 (2.1)
PLG (4.9)	APOA5 (4.4)	LPA (4.3)	APOA4 (4.0)	APOC4 (4.0)
FPR3 (4.4)	RELB (3.8)	LILRA3 (3.6)	LILRB2 (3.6)	SPI1 (3.6)
NUP93 (3.4)	TMEM208 (3.3)	UBE2L3 (3.1)	KPNB1 (2.9)	NDUFS3 (2.7)
KCTD6 (2.7)	OGFOD1 (2.4)	CENPT (2.4)	DPEP2 (2.3)	PTPRJ (2.3)

BCL3 (3.5)	RELB (3.0)	LILRB2 (2.7)	ZDHHC18 (2.7)	CD40 (2.6)
PLA2G15 (2.3)	SETD8 (2.3)	KCTD10 (2.2)	PPY (2.2)	VEGFA (2.1)
MTCH2 (2.6)	PTPMT1 (2.6)	C16orf48 (2.6)	PDHB (2.5)	C16orf86 (2.5)
CTRL (2.8)	AMBRA1 (2.7)	BCL3 (2.7)	TRADD (2.4)	ENSG00000182109 (2
UVRAG (2.5)	ST3GAL4 (2.3)	SPG11 (2.2)	COBLL1 (2.2)	HARBI1 (1.9)
APOC3 (5.0)	CPS1 (4.9)	APOB (4.8)	LIPC (4.6)	APOA5 (4.4)
OR4A21P (2.4)	ST3GAL4 (2.3)	ENSG00000179523 (2	ENSG00000236267 (2	ENSG00000223745 (2
DR1 (2.8)	INTS10 (2.8)	KLHL8 (2.6)	DCPS (2.5)	MTF2 (2.5)
DOCK6 (4.7)	BCAM (3.0)	TBKBP1 (2.9)	CD300LG (2.6)	VEGFA (2.5)
TGM7 (2.3)	GLUL (2.3)	RAPSN (2.3)	KIAA0754 (2.2)	KBTBD4 (2.1)
TBKBP1 (2.5)	SPRYD5 (2.5)	PACSIN3 (2.3)	MACF1 (2.3)	ARHGAP1 (2.2)
SOST (2.8)	SLC12A3 (2.5)	ETV5 (2.5)	TRPS1 (2.2)	PIGV (2.1)
KBTBD4 (3.0)	ZNF350 (3.0)	ZNF408 (2.7)	MFAP1 (2.6)	MED1 (2.5)
DNAH10 (2.8)	OR5J2 (2.5)	TECTB (2.4)	C16orf86 (2.4)	ENSG00000223745 (2
PPIP5K1 (2.7)	ZNF335 (2.6)	ENSG00000182109 (2	NPEPPS (2.6)	CTDSPL2 (2.6)
ST3GAL4 (2.9)	CSGALNACT1 (2.8)	MPP3 (2.8)	CMIP (2.8)	PTPRJ (2.4)
TTC39B (2.6)	CD40 (2.5)	OASL (2.5)	ELMO3 (2.4)	TGM5 (2.3)
SPG11 (2.7)	PARD6A (2.6)	INTS10 (2.4)	C11orf49 (2.4)	MACF1 (2.2)
ABHD6 (2.9)	ACP2 (2.8)	PTPRZ1 (2.7)	GLUL (2.7)	ABCA1 (2.7)
FADS2 (10.7)	LIPG (6.1)	GPAM (2.3)	SCARB1 (2.2)	AMFR (2.1)
UBE3B (3.1)	ZNF335 (3.1)	ARID1A (3.0)	EDC4 (2.9)	TNKS (2.8)
PARD6A (3.0)	LRRC29 (2.9)	C11orf49 (2.8)	TTC39B (2.5)	PPIP5K1 (2.5)
HERPUD1 (3.2)	AFF1 (3.1)	GPAM (2.7)	ZNF335 (2.3)	ETV5 (2.3)
C11orf49 (2.1)	SLC22A1 (2.1)	SEC14L4 (2.0)	ACAA2 (2.0)	MMAB (2.0)
SLC12A4 (2.9)	SOST (2.7)	HCAR1 (2.5)	TAGLN (2.3)	BACE1 (2.3)
SPI1 (3.3)	APOE (3.0)	PLTP (2.9)	OR4A21P (2.8)	GLUL (2.7)
TRADD (3.0)	CMIP (2.9)	RELB (2.9)	XKR8 (2.9)	CBFB (2.8)
VEGFA (3.9)	ETV5 (3.2)	CBFB (2.8)	E2F4 (2.7)	ZFAND2A (2.7)
HERPUD1 (3.5)	ZFAND2A (3.0)	BCL3 (2.9)	MBD1 (2.7)	HARBI1 (2.1)
HDAC5 (2.9)	CITED2 (2.8)	ZNF335 (2.7)	TRIB1 (2.6)	BUD13 (2.6)
MLXIPL (2.9)	FADS1 (2.8)	APOA5 (2.7)	CPS1 (2.7)	ZNF613 (2.6)
ZFAND2A (3.9)	CATSPER2 (3.2)	TOMM40 (2.6)	CLPTM1 (2.5)	ENSG00000229043 (2
GALNT2 (2.8)	BCAM (2.5)	ERBB2 (2.3)	PPP1R1B (2.2)	PVRL2 (2.2)
BCL7B (2.3)	OASL (2.1)	CATSPER2 (1.9)	SPRYD5 (1.9)	JMJD1C (1.9)
ENSG00000256746 (2	CD36 (1.9)	GPIHBP1 (1.8)	CCL22 (1.7)	ENSG00000226645 (1
ABHD6 (2.8)	FADS2 (2.8)	PDHB (2.5)	DDB2 (2.2)	G6PC3 (2.2)
ST3GAL4 (2.3)	CELSR2 (2.3)	EYA3 (2.2)	PLA2G15 (2.1)	SPRYD5 (2.1)
ABCA8 (3.1)	DOCK6 (2.7)	ELMO3 (2.7)	IGF2R (2.5)	PVRL2 (2.3)
ACP2 (2.4)	PLA2G15 (2.3)	TMEM62 (2.2)	ABCA1 (2.1)	PCSK7 (2.1)
MLXIPL (3.0)	CTRL (2.9)	KLF14 (2.6)	HSF4 (2.4)	APOC3 (2.3)
GLUL (3.7)	PTPRJ (3.3)	ABCA1 (3.0)	LILRB2 (2.7)	SPI1 (2.7)
VEGFA (2.6)	DOCK6 (2.4)	MST1R (2.3)	PLEKHG4 (2.2)	ABCA1 (2.2)
NAGS (2.7)	ABHD6 (2.6)	APOA1 (2.4)	APOB (2.4)	CPS1 (2.2)
C17orf57 (3.5)	FHOD1 (2.7)	APOC1 (2.5)	LPL (2.5)	COBLL1 (2.4)
PLTP (3.0)	BCAM (2.8)	FZD9 (2.5)	LPL (2.3)	SLC39A13 (2.3)
SMPD3 (3.4)	TECTB (3.3)	TAGLN (3.0)	SLC39A13 (2.7)	BMP8A (2.6)
C1orf172 (2.2)	MYO5B (2.2)	GPIHBP1 (1.9)	TGM7 (1.8)	DOCK6 (1.7)
TGM5 (2.8)	CETP (2.6)	ACP2 (2.2)	APOE (2.1)	B3GNT9 (1.9)
TSNAXIP1 (2.5)	ENSG00000254235 (2	ATG13 (2.3)	CCDC11 (2.2)	CPS1 (2.1)
BCL7B (2.7)	UBE2L3 (2.5)	ENSG00000254235 (2	CELF1 (2.3)	LSM12 (2.3)

AMBRA1 (3.9)	CELF1 (3.4)	ZNF335 (3.1)	SIK3 (3.1)	CLPTM1 (2.9)
LIPG (2.8)	COBLL1 (2.7)	JMJD1C (2.6)	DCPS (2.5)	C17orf57 (2.3)
CITED2 (3.4)	MAFF (3.0)	ZNF614 (2.8)	HCAR1 (2.3)	LPL (2.1)
TECTB (2.7)	FZD9 (2.5)	SOST (2.4)	KANK2 (2.3)	CMIP (2.2)
MTCH2 (3.0)	UBE3B (2.9)	PPIP5K1 (2.9)	COQ9 (2.8)	SLC39A13 (2.2)
MAFF (3.9)	LILRB2 (3.3)	CCL17 (3.0)	PSMB10 (2.9)	MYO1H (2.8)
SNORD58C (3.1)	DYM (3.0)	DOCK6 (2.9)	CXXC1 (2.5)	TNKS (2.4)
PCSK7 (3.4)	UVRAG (2.8)	RSPRY1 (2.5)	MED1 (2.2)	BAZ1B (2.1)
MTCH2 (3.3)	PPIP5K1 (3.3)	PTPMT1 (3.0)	ACAA2 (2.9)	CIAPIN1 (1.9)
ZFAND2A (2.4)	TMEM101 (2.3)	MT1H (2.1)	NRBF2 (2.1)	NOL3 (1.7)
MTCH2 (5.1)	ACAA2 (4.6)	CIAPIN1 (3.5)	PTPMT1 (3.5)	NR0B2 (2.3)
CCL17 (3.1)	TUBGCP4 (2.8)	ETV5 (2.8)	FADS2 (2.6)	UBR1 (2.5)
TSNAXIP1 (2.2)	PSKH1 (2.1)	LIPC (2.0)	LCAT (2.0)	CCDC11 (2.0)
SETD8 (2.4)	UBE3B (2.3)	REEP3 (2.3)	COX19 (2.3)	MT1E (2.3)
AMBRA1 (3.8)	CATSPER2 (3.7)	HERPUD1 (3.3)	ATG13 (3.2)	TMED5 (2.9)
ST3GAL4 (2.3)	PITPNM2 (2.2)	HCAR1 (2.1)	GPIHBP1 (1.9)	FHOD1 (1.9)
PCIF1 (2.1)	AMBRA1 (2.1)	COBLL1 (1.9)	EYA3 (1.9)	HCAR1 (1.9)
GALNT2 (2.5)	SLC22A1 (2.4)	C17orf105 (2.3)	LPA (2.2)	ABHD6 (2.2)
MMAB (2.0)	PGS1 (1.9)	SCARB1 (1.9)	EYA3 (1.8)	PLA2G6 (1.7)
SLC12A3 (3.0)	MTCH2 (2.9)	C18orf32 (2.6)	ENSG00000223745 (2	PPIP5K1 (2.3)
FZD9 (3.5)	SLC39A13 (3.2)	PTPRZ1 (3.1)	LRP4 (2.9)	MST1R (2.8)
FAM192A (2.6)	BAZ1B (2.4)	RBM6 (2.4)	TRIB1 (2.3)	BBS2 (2.2)
PNMT (2.7)	PVRL2 (2.7)	MST1R (2.6)	LIPC (2.3)	C11orf9 (2.3)
PTPRZ1 (3.3)	LPL (3.0)	APOE (2.4)	TAGLN (2.4)	SPI1 (2.3)
SIK3 (2.8)	AMBRA1 (2.5)	CBFB (2.4)	RSPRY1 (2.3)	DCPS (2.3)
CCL17 (4.3)	BCL3 (4.1)	ZDHHC18 (3.5)	SPI1 (3.2)	RLTPR (2.8)
ZFAND2A (4.3)	VEGFA (4.2)	BCL3 (2.8)	GPR146 (2.7)	RELB (2.6)
VEGFA (2.3)	CCL17 (2.3)	CYP26A1 (2.2)	SLC12A4 (2.1)	CD300LG (2.0)
TECTB (2.9)	CIAPIN1 (2.6)	CD36 (2.6)	PSMB10 (2.6)	TRADD (2.5)
ABHD6 (2.0)	MLXIPL (1.9)	CYP2W1 (1.9)	VEGFA (1.8)	COBLL1 (1.8)
C1QTNF4 (2.6)	NUDT21 (2.6)	PLA2G15 (2.5)	ACD (2.5)	COBLL1 (2.4)
BCL3 (2.9)	LCAT (2.8)	PDE3A (2.7)	C1orf172 (2.6)	MAFF (2.6)
GPIHBP1 (3.1)	JMJD1C (3.1)	EXOC3L1 (2.8)	IGF2R (2.8)	GALNT2 (2.6)
MT1F (4.7)	MT1G (4.5)	MT1H (3.5)	MT1X (3.4)	NEUROD2 (3.2)
AFF1 (2.4)	ARHGAP1 (2.3)	DOCK6 (2.3)	NR0B2 (2.2)	CELF1 (2.2)
PAFAH1B2 (2.5)	B3GNT9 (2.1)	OR5J2 (2.1)	DR1 (2.0)	ENSG00000247867 (2
TMEM62 (2.9)	SLC39A13 (2.8)	G6PC3 (2.8)	PLG (2.4)	XKR8 (2.4)
SPI1 (4.3)	CCL17 (4.0)	CETP (2.9)	UVRAG (2.8)	BCL3 (2.7)
UVRAG (2.7)	DGKG (2.5)	EYA3 (2.4)	CD40 (2.3)	PTPRJ (2.2)
PAFAH1B2 (2.4)	BCL7B (2.2)	SNORD58C (2.2)	UBE3B (2.2)	GPN2 (2.1)
APOA1 (3.6)	APOB (3.5)	MLXIPL (2.8)	DGAT2 (2.8)	CYP26A1 (2.6)
NCOA5 (3.0)	TTBK2 (2.7)	CCDC116 (2.7)	DDX28 (2.4)	AFF1 (2.2)
NUP160 (3.1)	DEPDC1 (3.0)	PSMC3 (2.9)	CENPT (2.8)	SKA1 (2.7)
OR4A21P (2.6)	APOA4 (2.3)	APOA1 (2.3)	DPEP2 (2.3)	APOB (2.1)
GPIHBP1 (3.7)	PDE3A (3.6)	CD36 (3.1)	CD300LG (3.1)	LPL (2.8)
MED1 (3.3)	UBE3B (3.0)	ARID1A (2.7)	KBTBD4 (2.6)	BAZ1B (2.6)
SIDT2 (2.7)	ANGPTL4 (2.6)	GLUL (2.5)	APOE (2.5)	ACP2 (2.4)
MT1X (2.2)	NCOA5 (2.1)	SPRYD5 (2.1)	JMJD1C (1.9)	GALNT2 (1.8)
GPR146 (2.6)	MMAB (2.4)	PGAP3 (2.3)	LPL (2.3)	ENSG00000179523 (2
SPI1 (4.5)	ZDHHC18 (3.6)	RLTPR (3.2)	CCL17 (3.1)	CCL22 (2.8)

PSMB10 (3.8)	TMEM208 (3.7)	NDUFS3 (3.4)	POLR2C (3.2)	NUTF2 (3.0)
CD40 (3.0)	BCL7B (2.8)	ZNF335 (2.6)	CLPTM1 (2.5)	CX3CL1 (2.4)
MED1 (3.5)	RANBP10 (3.2)	FAM192A (3.2)	KLHL8 (3.0)	FBXL20 (3.0)
TRIB1 (2.2)	ENSG00000226645 (2	PPIP5K1 (2.1)	SEC14L4 (2.0)	CD300LG (1.9)
CELSR2 (2.5)	PPP1R1B (2.4)	PTPRZ1 (2.4)	BCAM (2.3)	RSPO3 (2.3)
PAFAH1B2 (3.2)	CMIP (3.0)	RNF214 (2.7)	GRB7 (2.6)	SIK3 (2.5)
PSMB10 (2.4)	NRBF2 (2.3)	AFF1 (2.1)	RLTPR (2.1)	MBD1 (2.1)
MT1M (2.5)	MST1R (2.5)	BCL3 (2.3)	TGM7 (2.2)	PVRL2 (2.1)
MTCH2 (5.0)	ACAA2 (4.5)	PTPMT1 (3.8)	CIAPIN1 (3.4)	TOMM40 (2.3)
PLG (2.8)	SDF2L1 (2.7)	CATSPER2 (2.7)	HERPUD1 (2.7)	BCAM (2.6)
PNMT (2.7)	DPEP2 (2.3)	BBS2 (2.3)	NFATC3 (2.2)	RBM6 (2.1)
SPI1 (2.4)	AMFR (2.3)	CX3CL1 (2.2)	BCL7B (2.2)	CITED2 (2.1)
KPNB1 (3.1)	EDC4 (3.0)	NCOA5 (2.9)	SPG11 (2.9)	MACF1 (2.8)
HNF4A (3.8)	APOB (3.6)	NAGS (3.3)	APOA1 (3.2)	CPS1 (3.1)
ENSG00000179523 (3	TRADD (3.4)	TMEM62 (3.3)	CCNDBP1 (3.2)	ELMO3 (3.1)
PLTP (3.5)	APOE (3.2)	PLG (3.1)	SLC22A1 (3.0)	PACSIN3 (2.9)
CPNE2 (2.6)	SIK3 (2.5)	PDE3A (2.5)	HNF4A (2.5)	PAFAH1B2 (2.4)
EDC4 (3.0)	MED1 (2.9)	NUP160 (2.8)	RSPRY1 (2.8)	DR1 (2.8)
ZNF614 (2.6)	JMJD1C (2.5)	AFF1 (2.5)	ZNF408 (2.3)	PTPRZ1 (2.3)
ATG13 (3.8)	HERPUD1 (3.7)	PSMC3 (2.9)	TMED5 (2.8)	UBE2L3 (2.5)
PPP1R1B (2.8)	COBLL1 (2.6)	PTPRJ (2.6)	CX3CL1 (2.5)	ARHGAP1 (2.3)
PAFAH1B2 (2.4)	CBFB (2.2)	CITED2 (2.2)	ETV5 (2.2)	BCL3 (2.2)
CD36 (3.3)	PACSIN3 (3.1)	LPL (2.7)	COQ9 (2.6)	GPR146 (2.5)
MMAB (6.6)	CES4A (2.8)	PLA2G6 (2.5)	SNX10 (2.3)	C19orf80 (2.2)
ZDHHC18 (3.3)	PLA2G15 (2.8)	LILRB2 (2.8)	EXOC3L1 (2.4)	FPR3 (2.4)
NPEPPS (3.0)	RSPRY1 (2.9)	ARID1A (2.8)	IGF2R (2.5)	NLRC5 (2.5)
CELF1 (3.3)	C11orf49 (2.7)	CBFB (2.6)	NCOA5 (2.6)	PTPRJ (2.4)
SLC12A4 (2.9)	PLA2G15 (2.7)	KCTD6 (2.7)	FRMD5 (2.3)	OR4A1P (2.1)
EYA3 (2.6)	CETP (2.4)	AFF1 (2.3)	PXK (2.1)	UVRAG (2.0)
NR1H3 (3.5)	FPR3 (3.5)	PLTP (3.0)	APOA4 (2.6)	NR0B2 (2.4)
LIPG (3.0)	DOK4 (2.9)	TBKBP1 (2.9)	SOST (2.7)	PDE3A (2.4)
VEGFA (3.1)	TBL2 (2.8)	ARFGAP2 (2.7)	IGF2R (2.6)	KIAA0895L (2.6)
ESRP2 (2.4)	C1orf172 (2.3)	SEC14L4 (2.1)	SFN (1.8)	NUDT21 (1.8)
OGFOD1 (2.9)	COQ9 (2.8)	DUS2L (2.8)	CIAPIN1 (2.6)	FAM192A (2.6)
NR0B2 (2.8)	NFATC3 (2.7)	DGKG (2.4)	APOA4 (2.4)	TNKS (2.4)
FZD9 (2.4)	APOA4 (2.3)	NR0B2 (2.3)	C12orf65 (2.2)	C1orf172 (2.1)
ABCA8 (2.3)	LRP4 (2.2)	CBFB (2.0)	FZD9 (2.0)	KANK2 (1.9)
GALNT2 (2.1)	ACP2 (2.1)	LPA (2.1)	PITPNM2 (2.0)	ZSCAN29 (1.8)
CYP26A1 (2.5)	AMBRA1 (2.3)	PLTP (2.2)	KCTD19 (2.2)	LRP4 (2.1)
BCL3 (3.7)	MAFF (3.4)	PTPRJ (2.7)	TMEM62 (2.6)	MFAP1 (2.5)
PLA2G15 (3.0)	DUSP3 (2.8)	TMEM208 (2.6)	C16orf70 (2.4)	SNX10 (2.3)
PDE3A (3.4)	PACSIN3 (2.8)	BCAM (2.6)	SLC12A3 (2.1)	CD36 (2.1)
CMIP (2.9)	E2F4 (2.3)	FPR3 (2.2)	SCARB1 (2.1)	RBPJ (2.0)
GPER (2.5)	PLG (2.4)	HNF4A (2.3)	APOA4 (2.1)	MADD (1.9)
ZDHHC18 (2.9)	SPI1 (2.9)	CD40 (2.6)	BCL3 (2.6)	PGS1 (2.5)
SLC39A13 (2.6)	AMBRA1 (2.5)	COQ9 (2.5)	SLC12A4 (2.4)	TBL2 (2.4)
TMEM175 (3.2)	SIDT2 (3.1)	DPEP2 (3.0)	PIGV (3.0)	LRRC29 (2.7)
UVRAG (2.6)	LILRB2 (2.4)	MTMR3 (2.3)	RBM5 (2.1)	OASL (2.1)
NAGS (5.2)	APOB (4.6)	APOA4 (4.4)	APOC3 (4.4)	PLG (4.1)
UBR1 (3.0)	AMBRA1 (2.9)	DYM (2.8)	MBD1 (2.7)	CLPTM1 (2.6)

PTPRZ1 (3.1)	PAFAH1B2 (2.3)	C11orf49 (2.2)	CELSR2 (2.1)	LRP4 (2.0)
CMIP (2.7)	MTMR3 (2.6)	PVRL2 (2.3)	PDE3A (2.3)	KANK2 (2.2)
DGKG (2.5)	APOA4 (2.2)	DNAH10 (2.1)	SMPD3 (2.1)	CELSR2 (2.0)
ZDHHC18 (3.3)	BCL3 (2.8)	FPR3 (2.7)	CD40 (2.7)	GPR146 (2.7)
PTPRJ (2.3)	SIDT2 (2.3)	TRPS1 (2.1)	COBLL1 (2.1)	ZNF350 (2.1)
C16orf70 (2.6)	SPI1 (2.5)	PSKH1 (2.4)	UBE3B (2.4)	EYA3 (2.4)
WDR76 (2.6)	SETD8 (2.5)	BAZ1B (2.0)	OASL (2.0)	CBFB (2.0)
SIK3 (2.6)	PLG (2.6)	APOA1 (2.5)	GPIHBP1 (2.3)	CPS1 (2.3)
SLC39A13 (2.8)	TECTB (2.8)	NDUFS3 (2.7)	COQ9 (2.3)	CTDSPL2 (2.3)
OASL (4.4)	LILRB2 (3.4)	CD40 (3.1)	CX3CL1 (3.0)	CCL17 (2.9)
MTMR3 (2.9)	CD36 (2.8)	CATSPER2 (2.8)	VEGFA (2.8)	LPL (2.6)
MFAP1 (2.4)	PDIA3 (2.4)	REEP3 (2.3)	APOC1 (2.3)	AMFR (2.3)
TOMM40 (3.3)	SNORD58C (3.1)	NUP93 (2.9)	ZFAND2A (2.8)	MTCH2 (2.6)
KPNB1 (3.0)	KBTBD4 (2.8)	NDUFS3 (2.7)	TOMM40 (2.5)	HARBI1 (2.3)
CD40 (3.7)	BCL3 (3.2)	NRBF2 (3.1)	DGAT2 (2.6)	DPEP2 (2.4)
CATSPER2 (3.2)	TBL2 (3.1)	VEGFA (2.9)	EIF3J (2.8)	NLRC5 (2.7)
NAGS (3.0)	APOC4 (2.5)	SLC22A1 (2.3)	MT1H (2.2)	PLG (2.2)
TTC39B (2.9)	VEGFA (2.8)	LCAT (2.8)	YDJC (2.6)	GPAM (2.5)
RAB11B (3.2)	BCL3 (2.7)	NFATC3 (2.6)	THAP11 (2.6)	TTBK2 (2.4)
IGF2R (3.9)	VEGFA (3.8)	LIPG (3.3)	SFN (3.2)	GALNT2 (2.8)
BCL3 (2.3)	MACF1 (2.2)	IGF2R (2.2)	CMIP (2.2)	SETD8 (2.2)
TMEM208 (3.1)	HERPUD1 (3.0)	BCL7B (2.9)	TBL2 (2.7)	B3GNT9 (2.6)
FRMD5 (2.0)	LRRC29 (1.9)	SLC39A13 (1.8)	PIGV (1.7)	HARBI1 (1.7)
HNF4A (2.8)	TBL2 (2.8)	MT1F (2.7)	MT1G (2.5)	GPER (2.4)
GLUL (2.0)	FPR3 (2.0)	FHOD1 (1.9)	AMBRA1 (1.9)	PNMT (1.8)
PLG (3.9)	SEC14L4 (3.5)	MT1H (3.3)	CD36 (3.1)	MT1M (3.0)
CD40 (2.6)	SNX10 (2.5)	ACP2 (2.4)	RLTPR (2.4)	NR1H3 (2.2)
ZNF664 (2.2)	BACE1 (2.2)	C16orf86 (2.1)	DPEP3 (1.9)	PLEKHG4 (1.9)
GRB7 (4.6)	PDE3A (4.2)	PNMT (3.6)	GPR146 (2.8)	CDK12 (2.8)
TMEM101 (2.5)	PAFAH1B2 (2.4)	VEGFA (2.2)	HERPUD1 (2.1)	ZNF615 (2.1)
ENSG00000182109 (2	MT1F (2.8)	MT1G (2.7)	STRC (2.7)	MT1X (2.6)
ABHD6 (2.2)	GPAM (2.1)	ACAA2 (2.1)	NRBF2 (2.1)	GLUL (2.1)
LILRB2 (2.2)	HCAR1 (2.1)	PDE3A (2.1)	KANK2 (2.0)	CYP2W1 (2.0)
GPAM (2.9)	SEC14L4 (2.8)	DGAT2 (2.6)	C12orf65 (2.5)	MLXIPL (2.5)
ARHGAP1 (3.2)	MACF1 (2.9)	KIAA0754 (2.8)	SLC12A4 (2.8)	SPI1 (2.4)
FRMD5 (3.2)	CD300LG (2.6)	PDE3A (2.6)	XKR8 (2.5)	LPL (2.4)
TMEM208 (5.1)	NLRC5 (5.0)	TMED5 (5.0)	CLPTM1 (4.5)	TMEM101 (4.1)
SPRYD5 (2.5)	MADD (2.5)	TAGLN (2.3)	APOC1 (2.1)	FHOD1 (2.1)
CCDC92 (3.0)	APOC4 (2.9)	NAGS (2.9)	LPA (2.8)	CETP (2.7)
ETV5 (2.9)	FHOD1 (2.8)	ZFAND2A (2.7)	MPP2 (2.4)	VEGFA (2.3)
UBE3B (2.7)	TGM5 (2.6)	C12orf65 (2.5)	MPP3 (2.5)	NFATC3 (2.1)
ETV5 (3.0)	CD300LG (2.9)	UBR1 (2.7)	CD36 (2.4)	GPIHBP1 (2.3)
MYO1H (2.3)	PTPRZ1 (2.2)	CD40 (2.2)	RBM5 (2.2)	E2F4 (2.2)
NFATC3 (3.0)	DYM (2.9)	ACD (2.8)	C16orf70 (2.7)	ZNF335 (2.6)
ENSG00000223745 (3	MST1R (2.9)	NR1H3 (2.8)	GALNT2 (2.8)	ACP2 (2.4)
ZNF350 (3.4)	SLC7A6OS (3.2)	BUD13 (3.1)	RBM5 (3.1)	RAB11B (3.0)
CCDC116 (2.4)	MFAP1 (2.4)	KIAA0895L (2.2)	SPI1 (2.1)	CSGALNACT1 (2.1)
HNF1A (2.7)	SMPD3 (2.6)	MLXIPL (2.6)	ENSG00000223745 (2	GPER (2.5)
TRPS1 (2.5)	WDR76 (2.3)	TNKS (2.2)	TSNAXIP1 (2.1)	KCTD19 (2.0)
CCDC18 (3.0)	MPHOSPH9 (3.0)	WDR76 (2.9)	C16orf48 (2.6)	CENPT (2.6)

APOC4 (3.2)	APOB (3.1)	APOA5 (3.1)	SLC22A1 (3.1)	APOC1 (2.9)
AFF1 (3.0)	MED1 (3.0)	DR1 (3.0)	SBNO1 (2.7)	COBLL1 (2.6)
TGM5 (2.9)	FRMD5 (2.3)	CCDC116 (2.2)	CCDC11 (2.1)	PVRL2 (2.0)
EYA3 (2.5)	CMIP (2.4)	NPEPPS (2.3)	PDIA3 (2.2)	NUP93 (2.1)
ENSG00000229043 (2	MYO1H (2.1)	FHOD1 (2.0)	NLRC5 (1.9)	CTRL (1.8)
APOA5 (5.1)	PLG (4.3)	SEC14L4 (3.7)	NAGS (3.7)	CPS1 (3.5)
ERBB2 (3.0)	LRP4 (2.9)	PPP1R1B (2.7)	CX3CL1 (2.5)	C11orf9 (2.5)
APOC4 (3.1)	LCAT (3.0)	C19orf80 (3.0)	COQ9 (2.8)	OGFOD1 (2.8)
FNBP4 (3.1)	ZNF664 (2.9)	MPHOSPH9 (2.9)	C12orf43 (2.8)	C17orf57 (2.7)
PGS1 (3.3)	LCMT2 (3.0)	MVK (2.9)	COQ9 (2.7)	G6PC3 (2.5)
LRP4 (2.5)	ENSG00000226645 (2	TNKS (2.0)	DGKG (1.9)	KIAA0754 (1.9)
DPEP2 (2.4)	CCDC116 (2.3)	CCDC92 (2.3)	CMIP (2.2)	FADS1 (2.2)
PNMT (2.4)	PPP1R1B (2.3)	DYM (2.3)	FADS1 (2.3)	MMAB (2.3)
CPS1 (2.6)	APOA5 (2.6)	LCAT (2.4)	ANGPTL4 (2.3)	TBL2 (2.2)
LPA (4.7)	APOA5 (4.2)	PNMT (4.0)	NR0B2 (3.5)	APOC3 (3.5)
NFATC3 (2.5)	DYM (2.3)	SCARB1 (2.3)	C16orf70 (2.3)	HDAC5 (2.1)
GPR146 (2.8)	LILRA3 (2.5)	VEGFA (2.5)	PGS1 (2.5)	PVRL2 (2.4)
GPER (2.7)	MLXIPL (2.6)	SETD8 (2.5)	C19orf80 (2.3)	C11orf9 (2.3)
SLC39A13 (3.2)	BCL3 (3.1)	CCL22 (3.1)	ANGPTL4 (2.8)	CCL17 (2.7)
C1orf172 (3.2)	DGAT2 (2.9)	SMPD3 (2.7)	MST1R (2.2)	ENSG00000236267 (2
PRMT7 (2.8)	RANBP10 (2.6)	ACD (2.6)	HERPUD1 (2.6)	ZFAND2A (2.6)
TMEM101 (3.2)	LIPG (3.2)	PLA2G6 (3.1)	MVK (3.0)	FADS2 (2.9)
SIK3 (2.6)	C12orf65 (2.6)	CYP2W1 (2.4)	ENSG00000256746 (2	DUS2L (2.3)
CMIP (2.5)	GALNT2 (2.4)	OR5L2 (2.3)	OR5J2 (2.0)	GLUL (1.9)
FADS2 (2.9)	OR5L2 (2.3)	CD300LG (2.3)	FADS1 (2.3)	PITPNM2 (2.1)
C17orf57 (2.9)	ENSG00000229043 (2	MST1R (2.6)	ZNF664 (2.6)	ENSG00000182109 (2
FADS2 (9.3)	LIPG (4.8)	AMFR (3.2)	REEP3 (3.1)	SCARB1 (3.0)
CETP (3.2)	TRNP1 (2.7)	C7orf50 (2.4)	HCAR1 (2.4)	MT1F (2.4)
SLC12A4 (2.5)	ENSG00000229043 (2	ZNF613 (2.5)	C11orf9 (2.3)	CD300LG (2.2)
NFATC3 (2.1)	COBLL1 (2.0)	RELB (2.0)	FHOD1 (2.0)	C11orf9 (2.0)
NDUFS3 (3.4)	KPNB1 (3.3)	NOL3 (3.2)	NUP93 (3.2)	CIAPIN1 (2.9)
TGM5 (2.9)	ENSG00000226645 (2	CCDC116 (2.8)	FPR3 (2.7)	EXOC3L1 (2.7)
ERBB2 (4.0)	MST1R (3.8)	MYO5B (3.6)	GRB7 (3.5)	COBLL1 (3.4)
PVRL2 (2.2)	FHOD1 (2.1)	MPP3 (2.0)	KLF14 (2.0)	DGKG (1.9)
C11orf9 (2.4)	CCNDBP1 (2.2)	HNF4A (2.2)	MYBPC3 (2.1)	CCL17 (2.1)
TTBK2 (2.2)	SNORD58C (2.2)	NUTF2 (2.0)	DR1 (2.0)	TSNAXIP1 (1.9)
B3GNT9 (2.5)	APOC1 (2.5)	NR1H3 (2.5)	APOE (2.2)	PLTP (2.1)
PGS1 (3.0)	DPEP2 (2.8)	PLA2G15 (2.7)	ZNF350 (2.6)	SNX10 (2.5)
FPR3 (2.9)	PLTP (2.7)	ACP2 (2.3)	NR1H3 (2.1)	C7orf50 (2.1)
B3GNT9 (2.6)	MACF1 (2.6)	C16orf86 (2.6)	KANK2 (2.5)	C17orf57 (2.4)
CITED2 (3.3)	MAFF (3.0)	ZNF614 (2.6)	ARFGAP2 (2.1)	DUSP3 (2.0)
MT1H (2.3)	ENSG00000256746 (2	ZNF350 (2.2)	ABCA1 (2.2)	LILRA3 (2.0)
MT1H (2.3)	ENSG00000256746 (2	ZNF350 (2.2)	ABCA1 (2.2)	LILRA3 (2.0)
DGAT2 (3.6)	ANGPTL4 (3.2)	CD36 (2.9)	PLEKHG4 (2.8)	GPIHBP1 (2.6)
IGF2R (2.7)	RSPO3 (2.6)	FZD9 (2.4)	HCAR1 (2.4)	LPL (2.3)
ABCA1 (3.2)	FPR3 (2.9)	PSMB10 (2.8)	BCL3 (2.8)	CD40 (2.8)
DOCK6 (2.2)	SNORD58C (2.2)	CXXC1 (2.2)	MAFF (2.2)	UVRAG (2.2)
MACF1 (2.5)	UBE2L3 (2.5)	MIEN1 (2.5)	INTS10 (2.5)	KLHL8 (2.5)
MACF1 (2.5)	UBE2L3 (2.5)	MIEN1 (2.5)	INTS10 (2.5)	KLHL8 (2.5)
MPP2 (3.4)	HERPUD1 (3.3)	PLTP (3.1)	GNAO1 (3.1)	CELSR2 (2.9)

ENSG00000247867 (2	GALNT2 (2.8)	ABCA8 (2.8)	CSGALNACT1 (2.7)	B3GNT9 (2.7)
PIGV (2.5)	TMEM62 (2.4)	UVRAG (2.3)	TRADD (2.1)	RELB (2.0)
CD300LG (2.5)	ANGPTL4 (2.5)	ESRP2 (2.3)	ELMO3 (2.3)	PVRL2 (2.3)
PPP1R1B (2.9)	DGAT2 (2.8)	LIPG (2.7)	CDK12 (2.7)	C17orf57 (2.7)
RELB (3.1)	FPR3 (2.9)	MFAP1 (2.8)	PSMB10 (2.5)	LILRA3 (2.2)
CMIP (2.4)	GLUL (2.3)	MPP2 (2.2)	ENSG00000226334 (2	DYM (2.1)
SLC22A1 (4.8)	PLG (4.8)	CPS1 (4.3)	SEC14L4 (4.3)	LCAT (4.1)
C1QTNF4 (2.9)	NEUROD2 (2.9)	SMPD3 (2.7)	PITPNM2 (2.5)	ETV5 (2.4)
G6PC3 (2.4)	PPY (2.3)	GLUL (2.3)	CITED2 (2.3)	ACAA2 (2.2)
COQ9 (2.5)	MTCH2 (2.4)	SLC39A13 (2.4)	TBL2 (2.4)	SLC12A4 (2.2)
SLC9A5 (3.0)	LRRC29 (2.9)	PARD6A (2.9)	CXXC1 (2.8)	TRADD (2.7)
GNAO1 (2.5)	PYY (2.3)	PPY (2.2)	MACF1 (2.2)	DPEP2 (2.2)
MYO5B (3.4)	CELSR2 (3.0)	C11orf9 (2.9)	ELMO3 (2.8)	GRB7 (2.7)
CMIP (3.4)	FAM192A (3.3)	RBM5 (3.2)	ARID1A (3.0)	MFAP1 (2.9)
MVK (3.6)	MMAB (3.0)	SEC14L4 (2.5)	C19orf80 (2.4)	SLC22A1 (2.4)
ABHD6 (3.0)	ZNF615 (3.0)	BBS2 (2.8)	KCTD19 (2.7)	TMED5 (2.5)
KCTD19 (2.7)	NRBF2 (2.3)	TMED5 (2.3)	APOB (2.3)	CD36 (2.1)
CX3CL1 (3.7)	DOCK6 (3.2)	LIPG (2.8)	CD300LG (2.3)	PVRL2 (2.2)
UBE3B (2.8)	RAB11B (2.7)	REEP3 (2.5)	KIAA0754 (2.5)	PCIF1 (2.5)
APOC4 (2.8)	ABCB9 (2.7)	ENSG00000247445 (2	LCAT (2.3)	CCDC92 (2.3)
ENSG00000247867 (2	RBM5 (2.3)	CD36 (2.2)	SLC12A4 (2.2)	CX3CL1 (2.1)
CCL17 (2.4)	ENSG00000247445 (2	OR5L2 (2.2)	OR4A21P (2.2)	CD40 (2.0)
MACF1 (2.6)	CELF1 (2.6)	TRIB1 (2.5)	PVRL2 (2.3)	RSPO3 (2.2)
PGS1 (2.5)	AGBL2 (2.5)	ETV5 (2.4)	FBXL20 (2.4)	TRIB1 (2.3)
EIF3J (2.9)	RAB11B (2.2)	CLPTM1 (2.2)	BCL7B (2.1)	EXOC3L1 (2.0)
LILRA3 (3.1)	CTRL (3.0)	SPI1 (3.0)	ZNF350 (2.3)	XKR8 (2.2)
ENSG00000256746 (2	HSF4 (2.2)	ETV5 (2.2)	BAZ1B (2.0)	PLTP (1.9)
RNF214 (2.6)	SETD8 (2.5)	MTMR3 (2.3)	PGS1 (2.3)	HDAC5 (2.3)
CLPTM1 (3.1)	TMED5 (2.9)	ATG13 (2.9)	MADD (2.6)	ACP2 (2.5)
CCDC92 (2.4)	FBXL20 (2.3)	PNMT (2.2)	CELF1 (2.2)	CSGALNACT1 (2.1)
SLC7A6 (2.8)	CBFB (2.5)	ZDHHC18 (2.3)	MTF2 (2.3)	CCL22 (2.1)
PPIP5K1 (2.6)	MTCH2 (2.5)	SLC12A4 (2.2)	SLC39A13 (2.2)	DYM (2.2)
KLHL8 (2.8)	PCIF1 (2.8)	RBPJ (2.8)	FHOD1 (2.8)	TBKBP1 (2.7)
SIK3 (3.1)	UVRAG (3.1)	PCIF1 (2.9)	CD40 (2.9)	NCOA5 (2.7)
POLR2C (3.3)	PSMB10 (3.3)	KPNB1 (3.3)	NUP93 (3.2)	EIF3J (3.1)
CD40 (2.9)	BCL3 (2.9)	TTC39B (2.8)	RBPJ (2.4)	PSMB10 (2.3)
STRC (2.3)	NRBF2 (2.1)	ENSG00000247867 (2	PLTP (2.1)	LRRC29 (2.1)
RSPRY1 (2.7)	EDC4 (2.5)	TMEM175 (2.5)	ZNF335 (2.4)	DYM (2.3)
GPER (3.0)	ABHD6 (2.7)	APOA4 (2.6)	G6PC3 (2.3)	TBL2 (2.3)
ZNF615 (2.5)	OR4A21P (2.5)	LILRB2 (2.2)	PNMT (2.2)	CATSPER2 (2.0)
CCL22 (2.4)	UBE2L3 (2.3)	CCDC116 (2.3)	ABCB9 (2.2)	FPR3 (2.0)
MYO5B (3.0)	CETP (2.9)	MYO1H (2.5)	ZNF615 (2.4)	ENSG00000182109 (2
CPNE2 (2.7)	DUSP3 (2.7)	NAGS (2.5)	LSM12 (2.5)	MPP3 (2.3)
CBFB (3.1)	ETV5 (3.1)	KCTD10 (2.5)	AMFR (2.5)	C7orf50 (2.4)
CASC4 (2.9)	ARFGAP2 (2.9)	RLTPR (2.8)	NFATC3 (2.4)	PSMB10 (2.4)
SPI1 (3.6)	COBLL1 (3.4)	RBPJ (2.9)	CD40 (2.6)	SNX10 (2.3)
INTS10 (3.2)	UBR1 (3.2)	BAZ1B (3.2)	CTDSPL2 (3.1)	SPG11 (3.0)
PGAP3 (3.6)	PNMT (3.1)	C1orf172 (2.9)	ERBB2 (2.8)	MACF1 (2.7)
APOC4 (3.1)	APOA5 (2.9)	C19orf80 (2.7)	OR5I1 (2.6)	MT1E (2.5)
CASC4 (3.2)	TMEM101 (2.8)	ENSG00000247867 (2	CSGALNACT1 (2.8)	ABCA8 (2.7)

TMED5 (2.8)	PSKH1 (2.7)	CPNE2 (2.4)	ARHGAP1 (2.3)	TBL2 (2.2)
MACF1 (2.2)	TMEM175 (2.1)	SPI1 (2.1)	NRBF2 (1.9)	ARHGAP1 (1.9)
ZNF664 (3.0)	SBNO1 (2.9)	HDAC5 (2.8)	SETD8 (2.7)	NCOA5 (2.7)
RBM6 (3.5)	ARID1A (3.5)	BUD13 (3.4)	LSM12 (3.2)	RAB11B (3.2)
JMJD1C (2.2)	DOCK6 (2.1)	ABCA1 (2.1)	DPEP3 (2.0)	PITPNM2 (2.0)
AMFR (2.6)	PDHB (2.6)	FAM192A (2.6)	ZNF613 (2.5)	ENSG00000223745 (2
BUD13 (2.7)	PCSK7 (2.7)	NPEPPS (2.7)	RBM5 (2.7)	NCOA5 (2.5)
SLC39A13 (2.9)	LPL (2.7)	TAGLN (2.5)	PDE3A (2.3)	FZD9 (2.1)
OR4A21P (2.5)	MON1A (2.5)	KCTD6 (2.4)	ENSG00000236267 (2	PGS1 (2.3)
GNAO1 (2.4)	BCAM (2.4)	HCAR1 (2.3)	CMIP (2.2)	NR0B2 (2.2)
CTRL (2.1)	CSGALNACT1 (2.0)	RAB11B (2.0)	HCAR1 (1.9)	ENSG00000226334 (1
CTRL (2.1)	CSGALNACT1 (2.0)	RAB11B (2.0)	HCAR1 (1.9)	ENSG00000226334 (1
RELB (4.1)	TBKBP1 (3.3)	CD40 (3.2)	RBPJ (2.8)	RLTPR (2.7)
C11orf9 (2.7)	RSPO3 (2.7)	BCAM (2.6)	ABCA1 (2.5)	ABCA8 (2.4)
OR4A1P (2.4)	KCTD6 (2.1)	SLC12A4 (2.1)	RSPO3 (2.1)	JMJD1C (2.1)
LIPG (2.6)	TMEM175 (2.5)	BCAM (2.1)	MTF2 (2.0)	SPRYD5 (2.0)
C18orf32 (2.9)	TRADD (2.4)	SDF2L1 (2.4)	SLC39A13 (2.4)	CD40 (2.4)
LCAT (3.1)	ZNF615 (3.0)	HNF4A (2.7)	APOA5 (2.5)	ENSG00000182109 (2
CITED2 (2.5)	KANK2 (2.5)	THAP11 (2.3)	RAPSN (2.3)	TNKS (2.3)
FRMD5 (3.5)	LPL (3.4)	PDE3A (3.3)	CD36 (2.6)	TAGLN (2.6)
FADS1 (8.1)	LIPG (4.8)	SCARB1 (3.0)	ENSG00000179523 (2	MYO1H (2.4)
CCL17 (2.0)	RLTPR (1.9)	PIGV (1.9)	ENSG00000254235 (1	XKR8 (1.8)
CD36 (2.5)	FHOD1 (2.5)	GPIHBP1 (2.3)	FADS2 (2.3)	TUBGCP4 (2.2)
ZNF615 (2.8)	ENSG00000182109 (2	DDX28 (2.7)	ZSCAN29 (2.6)	EDC4 (2.6)
ZNF615 (2.8)	ENSG00000182109 (2	DDX28 (2.7)	ZSCAN29 (2.6)	EDC4 (2.6)
ZNF615 (2.8)	ENSG00000182109 (2	DDX28 (2.7)	ZSCAN29 (2.6)	EDC4 (2.6)
MTMR3 (2.9)	AFF1 (2.7)	CD300LG (2.6)	MBD1 (2.5)	PCSK7 (2.5)
BUD13 (2.8)	MBD1 (2.8)	PCIF1 (2.8)	CTDSPL2 (2.7)	LCMT2 (2.7)
ESRP2 (3.1)	CELSR2 (2.9)	C1orf172 (2.9)	PXK (2.7)	TTC39B (2.2)
PRMT7 (2.6)	MON1A (2.5)	ARFGAP2 (2.5)	NDUFS3 (2.5)	SLC12A4 (2.4)
EYA3 (3.2)	BCL7B (3.0)	BUD13 (2.9)	MTF2 (2.9)	CXXC1 (2.9)
NAGS (4.2)	APOB (3.5)	APOC3 (3.3)	CPS1 (3.1)	MLXIPL (3.1)
BAZ1B (3.1)	ENSG00000223745 (3	ZNF664 (3.0)	MACF1 (2.9)	ARFGAP2 (2.9)
LPL (2.7)	ABCA8 (2.4)	PACSIN3 (2.3)	MAP1A (2.3)	DGAT2 (2.1)
VEGFA (2.6)	TBL2 (2.6)	TECTB (2.4)	STRC (2.4)	ENSG00000254235 (2
TOMM40 (2.7)	SNORD58C (2.5)	TMEM101 (2.5)	PDHB (2.3)	HERPUD1 (2.3)
SLC22A1 (2.9)	MT1M (2.3)	NR1H3 (2.3)	PLA2G15 (2.2)	ABCA1 (2.1)
DGKG (2.2)	OR5I1 (2.2)	HNF1A (2.2)	PYY (2.2)	KCTD6 (2.1)
CES4A (3.4)	GPAM (3.0)	COQ9 (2.7)	NR1H3 (2.7)	ABHD6 (2.7)
CELSR2 (2.6)	CETP (2.4)	ENSG00000181296 (2	SMPD3 (2.1)	ARID1A (2.1)
CXXC1 (3.1)	SETD8 (2.9)	BUD13 (2.8)	ZNF335 (2.7)	MTF2 (2.7)
BCL3 (2.1)	RBPJ (2.0)	CLPTM1 (2.0)	NUDT21 (2.0)	PSMB10 (1.9)
G6PC3 (3.2)	ST3GAL4 (3.1)	PVRL2 (3.0)	CLPTM1 (2.9)	ERBB2 (2.8)
FPR3 (2.4)	LPL (2.3)	PLA2G15 (2.3)	CSGALNACT1 (2.2)	APOE (2.2)
BCL3 (2.8)	MAFF (2.8)	NPEPPS (2.6)	PSMC3 (2.6)	SDF2L1 (2.3)
BCL3 (2.8)	MAFF (2.8)	NPEPPS (2.6)	PSMC3 (2.6)	SDF2L1 (2.3)
BCL3 (2.8)	MAFF (2.8)	NPEPPS (2.6)	PSMC3 (2.6)	SDF2L1 (2.3)
BCL3 (2.8)	MAFF (2.8)	NPEPPS (2.6)	PSMC3 (2.6)	SDF2L1 (2.3)
BCL3 (2.8)	MAFF (2.8)	NPEPPS (2.6)	PSMC3 (2.6)	SDF2L1 (2.3)
JMJD1C (4.3)	MED1 (4.2)	ERBB2 (4.1)	NRBF2 (3.2)	PCIF1 (3.0)

PDE3A (3.0)	KANK2 (2.8)	CELSR2 (2.7)	COBLL1 (2.5)	SLC12A4 (2.1)
NAGS (2.2)	ABCA1 (2.1)	ENSG00000254235 (2	MLXIPL (2.0)	BCAM (2.0)
KLHL8 (3.1)	MTF2 (3.0)	NUDT21 (2.7)	TNKS (2.4)	FAM192A (2.3)
CSGALNACT1 (2.7)	LIPG (2.3)	TTC39B (2.3)	PIGV (2.2)	LILRA3 (2.1)
GRB7 (5.4)	MST1R (4.5)	SFN (3.5)	MYO5B (2.9)	PVRL2 (2.7)
MACF1 (2.4)	SPI1 (2.4)	SLC22A1 (2.3)	SLC39A13 (2.3)	PLG (2.2)
CIAPIN1 (3.5)	DYM (3.4)	GFOD2 (3.0)	NUTF2 (2.9)	THAP11 (2.9)
HERPUD1 (4.9)	FBXL20 (3.6)	VEGFA (3.4)	ZFAND2A (3.2)	CATSPER2 (2.6)
CSGALNACT1 (2.4)	VEGFA (2.4)	LIPG (2.2)	CPS1 (1.8)	MBD1 (1.8)
NPEPPS (2.4)	CELF1 (2.3)	MIEN1 (2.2)	UBE2L3 (2.2)	CCDC92 (2.1)
SFN (2.9)	LIPG (2.9)	BCL3 (2.5)	PLTP (2.4)	APOC4 (2.3)
MLXIPL (2.6)	CD300LG (2.3)	OR4A21P (2.1)	GPER (2.0)	HNF1A (2.0)
SPI1 (2.5)	MST1R (2.5)	CPNE2 (2.4)	RBPJ (2.3)	PTPRJ (2.3)
RANBP10 (2.8)	ACP2 (2.4)	CD36 (2.3)	KLF14 (2.3)	ENSG00000181296 (2
OASL (3.5)	CD40 (2.8)	PTPRJ (2.5)	CX3CL1 (2.4)	ZNF335 (2.3)
TGM7 (3.1)	ABCA1 (2.9)	ELMO3 (2.5)	BCAM (2.5)	CPNE2 (2.4)
PDIA3 (2.6)	SETD8 (2.4)	NFATC3 (2.3)	RBM5 (2.1)	BCL3 (2.1)
NFATC3 (3.5)	BAZ1B (3.2)	RANBP10 (2.8)	SETD8 (2.8)	DEPDC1 (2.7)
DYM (2.5)	KANK2 (2.5)	ARID1A (2.3)	SNORD58C (2.2)	DUSP3 (2.0)
MED1 (2.5)	NFATC3 (2.4)	RAB11B (2.4)	RBM6 (2.4)	CDK12 (2.3)
LSM12 (3.5)	GPN2 (3.1)	NRBF2 (3.0)	CELF1 (3.0)	MIEN1 (2.7)
MTF2 (2.7)	NUP160 (2.7)	SBNO1 (2.7)	FAM192A (2.5)	NUDT21 (2.5)
ABCA8 (2.8)	APOC4 (2.6)	SLC22A1 (2.5)	APOA5 (2.5)	ACP2 (2.5)
XKR8 (2.3)	LILRB2 (2.2)	OR4A21P (2.2)	PTPMT1 (2.1)	ZNF614 (2.0)
MACF1 (2.6)	C17orf57 (2.4)	PDE3A (2.3)	LILRB2 (2.3)	KIAA0754 (2.2)
SMPD3 (2.4)	ZNF350 (2.3)	ARHGAP1 (2.3)	MST1R (2.1)	PTPRJ (2.1)
GPER (2.5)	PARD6A (2.5)	CYP2W1 (2.4)	ZNF615 (2.3)	CX3CL1 (2.2)
CCDC18 (2.9)	KIAA0895L (2.8)	ARFGAP2 (2.6)	SNX10 (2.3)	ZFAND2A (2.3)
ARID1A (2.9)	TRIB1 (2.7)	HNF1A (2.5)	CX3CL1 (2.4)	MAFF (2.3)
CLPTM1 (2.7)	TBL2 (2.5)	BCAM (2.4)	TMEM208 (2.4)	CELSR2 (2.3)
CLPTM1 (2.7)	TBL2 (2.5)	BCAM (2.4)	TMEM208 (2.4)	CELSR2 (2.3)
SPI1 (3.0)	UVRAG (2.8)	CD40 (2.8)	ENSG00000254235 (2	PXK (2.1)
HERPUD1 (3.2)	TMED5 (3.1)	AMFR (3.1)	SIDT2 (3.0)	PDIA3 (2.9)
PARD6A (2.8)	AMBRA1 (2.4)	POLR2C (2.4)	MTMR3 (2.3)	NUTF2 (2.3)
PPP1R1B (2.7)	ARHGAP1 (2.6)	COBLL1 (2.5)	CX3CL1 (2.5)	MADD (2.4)
PLG (4.0)	LPA (4.0)	HNF4A (3.7)	APOC4 (3.4)	SEC14L4 (3.2)
ST3GAL4 (3.0)	ZNF613 (2.9)	ENSG00000247445 (2	C16orf70 (2.6)	CSGALNACT1 (2.3)
MED1 (3.6)	ERBB2 (3.6)	PPIP5K1 (3.0)	SPRYD5 (2.9)	ARID1A (2.8)
FZD9 (2.4)	CELSR2 (2.3)	CD300LG (2.3)	GPIHBP1 (2.3)	PVRL2 (2.2)
CATSPER2 (3.9)	HERPUD1 (3.4)	PTPRJ (2.4)	CCDC92 (2.3)	G6PC3 (2.3)
TAGLN (2.8)	SIDT2 (2.6)	AFF1 (2.6)	PPP1R1B (2.6)	SMPD3 (2.5)
TTC39B (2.7)	MBD1 (2.6)	NRBF2 (2.6)	ENSG00000247445 (2	OR5I1 (2.3)
REEP3 (2.2)	CELSR2 (2.2)	CCDC92 (1.9)	ENSG00000256746 (1	ETV5 (1.8)
TMEM208 (3.5)	PSMB10 (3.5)	NUTF2 (3.1)	NUP93 (3.0)	POLR2C (3.0)
ENSG00000229043 (2	JMJD1C (2.5)	NFATC3 (2.4)	PITPNM2 (2.4)	CSGALNACT1 (2.3)
MAFF (3.1)	TP53BP1 (2.8)	SNORD58C (2.5)	HERPUD1 (2.3)	CCL17 (2.2)
SNX10 (2.6)	KCTD10 (2.5)	CBFB (2.4)	LILRA3 (2.3)	LILRB2 (2.3)
PTPRJ (2.7)	PCIF1 (2.7)	SLC39A13 (2.7)	CMIP (2.5)	DOK4 (2.4)
ST3GAL4 (2.2)	OR5I1 (2.1)	MST1R (1.9)	FPR3 (1.9)	BMP8A (1.9)
LILRB2 (2.9)	MAFF (2.7)	SPI1 (2.4)	PGS1 (2.4)	MT1H (2.4)

TNKS (2.0)	ABCA1 (2.0)	AMBRA1 (2.0)	ATG13 (2.0)	DGKG (2.0)
SPRYD5 (2.4)	FBXL20 (2.3)	OASL (2.0)	ENSG00000181123 (2	CATSPER2 (2.0)
MAFF (2.5)	PVRL2 (2.4)	RSPRY1 (2.4)	PTPRJ (2.3)	CYP26A1 (2.2)
NRBF2 (3.6)	EDC4 (3.4)	LSM12 (3.2)	MIEN1 (2.8)	JMJD1C (2.7)
AFF1 (3.1)	ARID1A (2.9)	CITED2 (2.8)	CELF1 (2.8)	CBFB (2.7)
PLG (4.6)	APOA5 (3.8)	CPS1 (3.3)	NAGS (3.2)	ABCA8 (3.1)
ENSG00000256746 (2	LPL (2.4)	COBLL1 (2.2)	TTC39B (2.1)	MADD (1.9)
PPY (4.2)	ENSG00000236267 (3	APOC3 (3.1)	APOB (2.9)	MLXIPL (2.7)
RBPJ (3.1)	BCL3 (3.0)	CD40 (2.7)	RLTPR (2.7)	LILRA3 (2.5)
CES4A (2.8)	SFN (2.6)	MLXIPL (2.6)	PAFAH1B2 (2.4)	SNX13 (2.3)
FPR3 (3.3)	CD36 (2.9)	DGAT2 (2.8)	CSGALNACT1 (2.6)	LIPG (2.3)
MON1A (2.6)	MT1H (2.4)	GALNT2 (2.3)	PNMT (2.3)	CCDC92 (2.3)
CITED2 (4.4)	FHOD1 (3.0)	ZFAND2A (2.6)	VEGFA (2.5)	PCIF1 (2.4)
APOE (2.4)	PLA2G15 (2.3)	CCL22 (2.3)	NR1H3 (2.2)	LILRB2 (2.1)
DUSP3 (2.0)	PDE3A (1.8)	MTMR3 (1.8)	ST3GAL4 (1.8)	ENSG00000226334 (1
MON1A (2.3)	ZNF664 (2.3)	MED1 (2.3)	DR1 (2.3)	SPRYD5 (2.2)
SLC12A4 (3.3)	ERBB2 (2.9)	DUSP3 (2.7)	SLC39A13 (2.7)	MACF1 (2.6)
SMPD3 (2.4)	SIK3 (2.3)	NFATC3 (2.3)	UVRAG (2.2)	PITPNM2 (2.2)
SLC39A13 (2.6)	TTC39B (2.6)	FHOD1 (2.2)	KANK2 (2.1)	APOE (2.0)
TRPS1 (2.6)	OGFOD1 (2.6)	GALNT2 (2.5)	FHOD1 (2.5)	C16orf70 (2.3)
TRIB1 (2.9)	ERBB2 (2.3)	RBPJ (2.3)	MTMR3 (2.3)	KCTD6 (2.2)
GLUL (2.6)	KPNB1 (2.6)	ZNF664 (2.5)	RBM5 (2.0)	NFATC3 (2.0)
MT1E (2.6)	MT1G (2.6)	ENSG00000181123 (2	MT1F (2.4)	ZNF350 (2.4)
ENSG00000226645 (2	ENSG00000256746 (2	TGM5 (2.0)	ETV5 (1.9)	TMEM101 (1.9)
PAFAH1B2 (3.3)	UVRAG (2.9)	MADD (2.8)	PXK (2.8)	SIK3 (2.5)
EXOC3L1 (2.6)	MYBPC3 (2.6)	GPIHBP1 (2.5)	OR4A21P (2.5)	CD300LG (2.4)
FADS2 (5.2)	CES4A (4.4)	GPAM (3.7)	SEC14L4 (3.5)	ZNF350 (3.2)
FADS2 (5.2)	CES4A (4.4)	GPAM (3.7)	SEC14L4 (3.5)	ZNF350 (3.2)
APOC4 (5.5)	APOC3 (5.2)	CPS1 (4.9)	APOA4 (4.7)	PLG (4.4)
MMAB (3.6)	COQ9 (3.4)	SLC22A1 (3.2)	PDHB (2.8)	SEC14L4 (2.7)
TCAP (3.5)	DOK4 (3.1)	GPR146 (3.1)	BCAM (2.7)	FRMD5 (2.6)
APOE (2.1)	PTPRZ1 (2.1)	COBLL1 (2.0)	TRPS1 (2.0)	ACAA2 (1.9)
TNKS (2.7)	MFAP1 (2.6)	TTBK2 (2.5)	SLC9A5 (2.4)	OGFOD1 (2.3)
BAZ1B (3.1)	LCMT2 (3.0)	ARID1A (3.0)	AFF1 (2.8)	ZNF614 (2.7)
C11orf9 (2.3)	TRPS1 (2.3)	SLC39A13 (2.3)	GLUL (2.2)	KANK2 (2.1)
MON1A (2.5)	PDHB (2.5)	HDAC5 (2.4)	TRADD (2.4)	RNF214 (2.3)
MED1 (5.4)	GRB7 (4.8)	PNMT (3.4)	ARID1A (3.4)	NPEPPS (3.2)
SLC12A3 (2.7)	CES4A (2.5)	ELMO3 (2.2)	MTCH2 (2.2)	ESRP2 (2.1)
VEGFA (2.9)	TBL2 (2.8)	OR5I1 (2.6)	ENSG00000255507 (2	GPR146 (2.2)
SPI1 (2.7)	LILRA3 (2.7)	SNX10 (2.4)	CD40 (2.3)	LPA (2.2)
CD40 (3.1)	C17orf57 (3.0)	CCL22 (3.0)	SIK3 (2.5)	ZDHHC18 (2.3)
NDUFS3 (3.8)	TMEM208 (3.5)	PSMB10 (3.5)	CIAPIN1 (3.3)	POLR2C (3.2)
TMEM175 (2.7)	MT1F (2.5)	SIDT2 (2.5)	SLC12A3 (2.4)	APOB (2.4)
CX3CL1 (2.8)	C11orf9 (2.7)	HNF4A (2.6)	NR0B2 (2.6)	TRPS1 (2.5)
RBM5 (3.2)	CITED2 (2.8)	SIK3 (2.7)	FADS2 (2.7)	NCOA5 (2.7)
CDK12 (2.7)	ZNF664 (2.6)	SETD8 (2.5)	MYO1H (2.3)	MED1 (2.2)
CITED2 (4.9)	C17orf105 (2.8)	GRB7 (2.8)	VEGFA (2.3)	ENSG00000247867 (2
PPP1R1B (2.7)	CELSR2 (2.4)	PTPRZ1 (2.4)	RSPO3 (2.4)	ERBB2 (2.3)
DOCK6 (2.5)	DOK4 (2.4)	CCL17 (2.2)	TBL2 (2.2)	RSPO3 (2.1)
CITED2 (4.6)	C17orf105 (2.7)	GRB7 (2.6)	ENSG00000247867 (2	VEGFA (2.4)

PITPNM2 (2.4)	YDJC (2.4)	DYM (2.3)	GPR146 (2.2)	KPNB1 (2.0)
NPEPPS (2.8)	KIAA0895L (2.8)	SNORD58C (2.6)	NCOA5 (2.4)	THAP11 (2.4)
CSGALNACT1 (3.0)	LILRA3 (2.5)	MT1M (2.2)	MT1H (2.2)	ABCA1 (2.2)
APOA1 (2.8)	APOB (2.8)	ABCA1 (2.8)	TRNP1 (2.8)	ACP2 (2.8)
EIF3J (3.0)	KPNB1 (3.0)	RBM6 (2.6)	CIAPIN1 (2.6)	SBNO1 (2.5)
CCNDBP1 (3.0)	BAZ1B (2.8)	TP53BP1 (2.6)	NUP160 (2.6)	EDC4 (2.5)
APOE (2.6)	SLC39A13 (2.6)	BCAM (2.5)	IGF2R (2.5)	RSPO3 (2.3)
NUP93 (3.1)	NUDT21 (3.1)	EDC4 (3.1)	PCIF1 (3.0)	CXXC1 (2.9)
ZNF615 (3.2)	CCDC116 (2.9)	PACSIN3 (2.8)	HARBI1 (2.7)	ZNF408 (2.7)
PPIP5K1 (2.1)	SIK3 (2.0)	TRIB1 (1.7)	CASC4 (1.7)	TTC39B (1.7)
SCARB1 (2.7)	TBL2 (2.1)	SIK3 (1.8)	SBNO1 (1.8)	C17orf105 (1.6)
NFATC3 (1.8)	FPR3 (1.8)	APOE (1.7)	PITPNM2 (1.6)	ENSG00000181123 (1
C1QTNF4 (2.8)	CETP (2.7)	GNAO1 (2.5)	BCAM (2.4)	MYO5B (2.3)
CCL22 (3.5)	RELB (3.0)	PXK (2.4)	UVRAG (2.4)	PTPRJ (2.4)
NUP93 (3.1)	NFATC3 (3.1)	DCPS (3.1)	ACD (2.9)	INTS10 (2.8)
TBKBP1 (3.1)	FPR3 (2.9)	TGM5 (2.9)	OR4A1P (2.8)	GPIHBP1 (2.4)
ENSG00000247445 (3	DPEP2 (3.2)	CD36 (2.9)	SNX10 (2.9)	FPR3 (2.7)
ZDHHC18 (2.3)	ABCA1 (2.2)	FPR3 (2.2)	PNMT (2.2)	OASL (2.1)
TMEM101 (3.9)	TMEM175 (3.8)	PIGV (3.6)	ACP2 (3.5)	TMED5 (3.3)
NPEPPS (3.7)	FNBP4 (3.5)	ACD (3.3)	BUD13 (3.2)	RBM6 (3.0)
C1QTNF4 (2.9)	MAP1A (2.9)	PLTP (2.6)	CELSR2 (2.6)	MACF1 (2.5)
CCDC18 (4.3)	FEN1 (4.1)	CENPT (3.6)	MPHOSPH9 (3.1)	WDR76 (2.2)
LRP4 (2.2)	FZD9 (2.2)	PYY (2.1)	CYP26A1 (2.0)	TBKBP1 (2.0)
CD40 (2.8)	BMP8A (2.8)	BCL3 (2.7)	RLTPR (2.6)	LPL (2.6)
PLA2G15 (3.3)	ARHGAP1 (2.9)	PGS1 (2.4)	ATG13 (2.4)	ACP2 (2.3)
PDE3A (2.2)	CX3CL1 (2.1)	LILRA3 (2.1)	CSGALNACT1 (2.0)	MAFF (2.0)
CPS1 (4.2)	NAGS (3.9)	APOA5 (3.8)	ABCA8 (3.8)	PLG (3.6)
HNF1A (2.9)	DPEP2 (2.5)	ACP2 (2.3)	CASC4 (2.2)	TRADD (2.2)
ABCA1 (2.9)	TTC39B (2.6)	RBPJ (2.5)	MAFF (2.3)	BCL3 (2.3)
GALNT2 (3.1)	TMEM175 (3.1)	OR5L2 (3.0)	CSGALNACT1 (2.9)	INTS10 (2.6)
LRRC29 (2.7)	MYO1H (2.6)	KIAA0754 (2.6)	CCL22 (2.5)	SLC7A6OS (2.5)
FADS2 (5.1)	TMEM62 (3.9)	TMEM208 (3.8)	TMEM101 (2.8)	CLPTM1 (2.6)
TCAP (2.5)	TBL2 (2.4)	DOCK6 (2.4)	GPIHBP1 (2.4)	ANGPTL4 (2.1)
APOC3 (2.9)	CASC4 (2.8)	APOA1 (2.7)	F2 (2.5)	KCTD19 (2.5)
COBLL1 (2.5)	HNF4A (2.4)	CTRL (2.3)	ST3GAL4 (2.2)	PLG (2.0)
CD300LG (3.2)	XKR8 (2.9)	DOCK6 (2.9)	REEP3 (2.8)	GALNT2 (2.8)
MPP2 (2.3)	CSGALNACT1 (2.2)	SPRYD5 (2.2)	DGKG (2.1)	CMIP (2.1)
CCL17 (2.5)	OR5L2 (2.4)	ENSG00000247445 (2	ENSG00000226645 (2	CCDC11 (2.1)
FNBP4 (3.4)	CKAP5 (3.0)	TP53BP1 (3.0)	ARID1A (2.9)	NPEPPS (2.7)
DGAT2 (2.2)	CELSR2 (2.1)	PPY (2.0)	C1orf172 (2.0)	PTPRZ1 (1.9)
XKR8 (2.0)	MTMR3 (1.9)	RAB11B (1.9)	SNX13 (1.9)	DUSP3 (1.8)
FADS1 (4.0)	MVK (3.6)	PDHB (3.3)	PLG (3.0)	MLXIPL (2.9)
KPNB1 (3.2)	POLR2C (3.2)	CIAPIN1 (3.2)	TMEM208 (3.1)	NUP93 (3.1)
ZFAND2A (3.8)	BCL3 (2.6)	VEGFA (2.6)	MTMR3 (2.6)	NRBF2 (2.5)
CITED2 (4.2)	ZFAND2A (3.9)	VEGFA (3.7)	MBD1 (3.6)	BCL3 (3.2)
PCIF1 (2.8)	IGF2R (2.7)	CMIP (2.7)	MACF1 (2.5)	SPG11 (2.4)
NDUFS3 (3.1)	SLC39A13 (2.7)	COQ9 (2.6)	UBE3B (2.5)	PPIP5K1 (2.4)
FADS2 (4.4)	TMEM208 (3.7)	HERPUD1 (3.1)	SDF2L1 (2.9)	HCAR1 (2.8)
SFN (3.9)	MYO5B (2.7)	MST1R (2.6)	TRPS1 (2.4)	DUSP3 (2.3)
ARHGAP1 (2.9)	NPEPPS (2.8)	KCTD10 (2.6)	HDAC5 (2.5)	CLPTM1 (2.4)

RSPRY1 (3.6)	SLC7A6OS (3.4)	PGAP3 (3.3)	FAM192A (3.3)	NRBF2 (3.3)
B3GNT9 (2.5)	OR4A21P (2.4)	ENSG00000254235 (2	LILRA3 (2.2)	CXXC1 (2.1)
PITPNM2 (2.4)	ENSG00000181123 (2	ABCB9 (2.2)	MON1A (2.2)	ENSG00000236267 (2
NUTF2 (3.5)	EIF3J (3.2)	LSM12 (3.1)	PDIA3 (2.9)	SDF2L1 (2.8)
PNMT (3.2)	PGAP3 (2.8)	PLA2G6 (2.7)	MT1H (2.4)	DGKG (2.4)
ENSG00000226645 (2	MTMR3 (2.3)	FHOD1 (2.2)	DUSP3 (2.1)	ENSG00000179523 (2
CPS1 (5.6)	SLC22A1 (5.5)	LIPC (4.7)	F2 (4.5)	LPA (4.1)
SMPD3 (2.5)	NFATC3 (2.4)	RANBP10 (2.4)	JMJD1C (2.3)	SIK3 (2.2)
KBTBD4 (3.3)	FAM192A (3.0)	NCOA5 (3.0)	DDX28 (3.0)	MFAP1 (2.9)
MAFF (2.7)	CD36 (2.7)	HERPUD1 (2.6)	SPI1 (2.6)	HDAC5 (2.4)
CD40 (3.0)	SPI1 (2.5)	SLC7A6 (2.3)	SLC12A4 (2.1)	GRB7 (2.0)
KCTD10 (2.7)	TRNP1 (2.4)	PLA2G15 (2.3)	RSPRY1 (2.3)	CASC4 (2.2)
CCDC92 (3.1)	PTPRJ (3.0)	MPP3 (2.8)	CSGALNACT1 (2.8)	CMIP (2.6)
NUDT21 (3.4)	UBE2L3 (3.2)	CXXC1 (3.1)	ACD (3.1)	BUD13 (3.0)
ACP2 (2.8)	SLC39A13 (2.6)	APOE (2.6)	ZNF350 (2.5)	BCAM (2.4)
C17orf57 (2.2)	CSGALNACT1 (2.2)	APOE (2.2)	RANBP10 (2.2)	MYO5B (2.1)
PRMT7 (3.3)	KCTD6 (3.1)	FAM192A (3.0)	CENPT (2.7)	CCNDBP1 (2.6)
TBKBP1 (2.9)	EXOC3L1 (2.8)	FHOD1 (2.4)	CD300LG (2.3)	CETP (2.2)
PTPRZ1 (2.7)	LRP4 (2.6)	KCTD6 (2.6)	PYY (2.3)	IGF2R (2.3)
MT1X (1.9)	ENSG00000255507 (1	LRP4 (1.9)	EYA3 (1.8)	GALNT2 (1.8)
CITED2 (2.7)	ARID1A (2.4)	HSF4 (2.3)	GPR146 (2.2)	TAGLN (2.2)
RBM6 (2.8)	MED1 (2.8)	NUDT21 (2.7)	MFAP1 (2.7)	BBS2 (2.5)
LCMT2 (2.8)	MTMR3 (2.7)	ZNF614 (2.6)	ZNF615 (2.5)	NCOA5 (2.4)
CYP26A1 (2.8)	DOCK6 (2.8)	LRP4 (2.8)	DOK4 (2.6)	GRB7 (2.5)
NAGS (3.0)	ABHD6 (2.6)	HNF4A (2.5)	TBL2 (2.3)	PLG (2.3)
CES4A (2.6)	FPR3 (2.4)	LILRB2 (2.3)	CYP26A1 (2.0)	ENSG00000256746 (2
DGKG (3.3)	MAP1A (2.4)	LPL (2.2)	C1QTNF4 (2.1)	MPP3 (2.1)
MPP3 (2.6)	TBKBP1 (2.4)	MAP1A (2.3)	ENSG00000223745 (2	MYBPC3 (2.1)
CES4A (3.0)	CYP26A1 (2.8)	ENSG00000247445 (2	NR0B2 (2.7)	LPA (2.6)
CITED2 (3.3)	MAFF (3.1)	ZNF614 (2.6)	JMJD1C (2.0)	ARFGAP2 (1.9)
SLC39A13 (2.6)	NUTF2 (2.6)	TMEM101 (2.4)	SOST (2.2)	SLC12A4 (1.9)
HARBI1 (2.6)	CATSPER2 (2.6)	PLA2G6 (2.5)	ACAA2 (2.3)	GLUL (2.2)
CDK12 (3.3)	TMED5 (3.3)	TMEM175 (3.3)	PNMT (3.2)	MIEN1 (3.0)
DOK4 (2.5)	C7orf50 (2.3)	CPNE2 (2.3)	BACE1 (2.2)	CD36 (2.2)
SCARB1 (2.6)	ABCA8 (2.6)	TAGLN (2.4)	ANGPTL4 (2.4)	LPL (2.2)
LPA (2.5)	OGFOD1 (2.4)	CIAPIN1 (2.3)	EIF3J (2.3)	DDX28 (2.2)
SNX10 (2.5)	NLRC5 (2.4)	OASL (2.2)	ABCA8 (2.2)	LILRB2 (2.1)
B3GNT9 (3.5)	SNX13 (3.4)	PDIA3 (3.2)	CLPTM1 (3.0)	G6PC3 (2.7)
APOC4 (2.9)	SLC12A3 (2.9)	MTCH2 (2.7)	COQ9 (2.7)	PDHB (2.6)
MMAB (5.3)	CES4A (4.7)	GPAM (3.3)	SEC14L4 (3.3)	ZNF350 (3.2)
MMAB (5.3)	CES4A (4.7)	GPAM (3.3)	SEC14L4 (3.3)	ZNF350 (3.2)
FADS1 (4.9)	UBE2L3 (4.6)	CDK12 (4.4)	PGAP3 (3.3)	AMBRA1 (3.2)
PYY (2.8)	FZD9 (2.5)	NR0B2 (2.4)	PTPRZ1 (2.3)	ELMO3 (2.2)
FZD9 (2.7)	APOB (2.5)	APOE (2.5)	KCTD6 (2.5)	APOC1 (2.5)
LRRC29 (2.4)	BBS2 (2.2)	PCIF1 (2.2)	CATSPER2 (2.1)	B3GNT9 (2.1)
FAM192A (3.4)	EDC4 (3.3)	KBTBD4 (3.3)	CDK12 (3.3)	RSPRY1 (3.1)
CTRL (2.5)	TBL2 (2.4)	HCAR1 (2.3)	TTC39B (2.3)	LIPG (2.2)
SLC12A3 (2.8)	ACAA2 (2.7)	PLG (2.4)	ENSG00000254235 (2	HNF4A (2.4)
LILRA3 (3.6)	CTRL (3.4)	ABCA1 (3.3)	PLA2G15 (3.3)	NLRC5 (3.2)
CD36 (2.4)	DPEP2 (2.2)	GPR146 (2.2)	CCL17 (2.0)	MACF1 (2.0)

CBFB (3.0)	JMJD1C (2.9)	MAFF (2.9)	NCOA5 (2.7)	SETD8 (2.7)
CETP (2.9)	APOE (2.9)	ABCA8 (2.6)	PLTP (2.5)	GPIHBP1 (2.5)
PLG (2.5)	APOC4 (2.5)	CD36 (2.4)	LILRB2 (2.2)	LILRA3 (2.1)
TTBK2 (2.3)	CCDC11 (2.2)	MMAB (2.0)	ZFAND2A (2.0)	HDAC5 (1.9)
ARFGAP2 (3.2)	NDUFS3 (3.1)	PDHB (3.0)	UBE2L3 (3.0)	COQ9 (2.8)
SLC7A6 (2.7)	OGFOD1 (2.5)	TUBGCP4 (2.4)	TRIB1 (2.4)	CBFB (2.4)
FRMD5 (3.5)	BCAM (2.9)	PLTP (2.7)	COQ9 (2.6)	RAB11B (2.3)
FAM192A (3.7)	SLC7A6OS (3.3)	PSKH1 (3.3)	CIAPIN1 (2.8)	DDX28 (2.7)
KCTD6 (3.2)	RBPJ (2.8)	PVRL2 (2.6)	CXXC1 (2.6)	SNORD58C (2.4)
APOC4 (3.4)	APOA5 (3.4)	C12orf65 (3.2)	F2 (2.9)	CPS1 (2.9)
ACAA2 (2.5)	HSF4 (2.5)	MT1F (2.3)	NOL3 (2.3)	TRIB1 (2.1)
LILRA3 (2.1)	OR4A21P (2.0)	LILRB2 (2.0)	CYP2W1 (2.0)	CCL17 (1.9)
PTPRJ (3.0)	ARID1A (3.0)	DNAH10 (2.9)	SIK3 (2.7)	MED1 (2.7)
APOE (2.9)	NFATC3 (2.5)	PSMB10 (2.5)	FPR3 (2.1)	EXOC3L1 (2.1)
BCL3 (2.5)	B3GNT9 (2.3)	CCL22 (2.0)	RELB (1.9)	PXK (1.8)
IGF2R (2.8)	TMEM208 (2.6)	SIDT2 (2.4)	AMFR (2.3)	MADD (2.3)
IGF2R (2.8)	TMEM208 (2.6)	SIDT2 (2.4)	AMFR (2.3)	MADD (2.3)
PLG (3.1)	SLC22A1 (2.8)	APOA5 (2.8)	AGBL2 (2.7)	C19orf80 (2.5)
ACAA2 (2.6)	ENSG00000254235 (2	OR4A21P (2.4)	PLG (2.3)	SLC12A3 (2.3)
ANGPTL4 (2.7)	ABCA1 (2.1)	OR4A21P (2.0)	LILRA3 (1.9)	ENSG00000255507 (1
PDE3A (2.5)	KLF14 (2.4)	PYY (2.4)	FZD9 (2.2)	CYP26A1 (2.1)
CITED2 (3.1)	CD36 (2.7)	TCAP (2.5)	PLA2G15 (2.5)	ESRP2 (2.4)
DGKG (2.5)	TRNP1 (2.4)	PDE3A (2.3)	TCAP (2.2)	SCARB1 (2.2)
ABCA1 (2.2)	LIPC (2.2)	ENSG00000179523 (2	TGM5 (2.1)	ENSG00000181123 (2
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
PPP1R1B (2.8)	CELSR2 (2.6)	PTPRZ1 (2.5)	RSPO3 (2.3)	ERBB2 (2.1)
APOE (2.3)	RSPO3 (2.2)	CYP26A1 (2.1)	FZD9 (2.0)	SLC22A1 (1.9)
G6PC3 (2.5)	TMEM175 (2.5)	C16orf86 (2.5)	GLUL (2.5)	ZNF335 (2.4)
ZDHHC18 (3.8)	CCL22 (3.8)	CLPTM1 (3.5)	PVRL2 (3.3)	PTPRJ (2.9)
EYA3 (2.7)	ACAA2 (2.6)	HARBI1 (2.6)	LPL (2.4)	APOE (2.4)
VEGFA (2.6)	NOL3 (2.5)	TECTB (2.4)	KIAA0895L (2.3)	OR5I1 (2.3)
C16orf86 (2.5)	CD40 (2.4)	SIK3 (2.3)	XKR8 (2.3)	TGM7 (2.3)
SMPD3 (4.1)	LIPG (3.6)	TECTB (3.3)	CYP26A1 (3.2)	STRC (2.9)
AFF1 (2.4)	MED1 (2.3)	DOK4 (2.3)	KLF14 (2.3)	SLC7A6 (2.1)
DNAH10 (2.5)	ESRP2 (2.5)	KCTD10 (2.4)	SFN (2.2)	TAGLN (2.0)
PCIF1 (2.3)	ARHGAP1 (2.3)	CCDC92 (2.2)	LILRB2 (2.2)	RSPO3 (2.0)
ENSG00000247867 (2	FPR3 (2.5)	ANGPTL4 (2.5)	NOL3 (2.5)	B3GNT9 (2.4)
HERPUD1 (3.3)	BCAM (2.8)	C18orf32 (2.7)	PPIP5K1 (2.7)	CLPTM1 (2.6)
SCARB1 (2.9)	NR0B2 (2.7)	LIPG (2.5)	ABCA8 (2.5)	LPA (2.3)
BCL7B (3.0)	CD40 (3.0)	MT1H (2.6)	FHOD1 (2.3)	PTPRJ (2.2)
APOE (3.4)	PLTP (2.5)	MADD (2.5)	BMP8A (2.3)	MT1M (2.3)
MYO5B (3.7)	MST1R (3.2)	MACF1 (3.0)	TRNP1 (3.0)	SFN (3.0)
TRPS1 (3.0)	SLC12A4 (3.0)	LRP4 (2.6)	B3GNT9 (2.3)	TTC39B (2.3)
THAP11 (3.0)	DCPS (3.0)	FBXL20 (2.8)	FEN1 (2.8)	KPNB1 (2.7)

CCDC116 (2.5)	LILRA3 (2.4)	PNMT (2.3)	OASL (2.3)	ENSG00000255507 (2
BCL7B (2.9)	HERPUD1 (2.8)	TRIB1 (2.7)	ETV5 (2.6)	MTMR3 (2.5)
EYA3 (2.8)	EPB42 (2.6)	OASL (2.4)	TP53BP1 (2.2)	PVRL2 (2.2)
LRP4 (2.2)	BCL3 (2.2)	HERPUD1 (2.0)	GRB7 (2.0)	UVRAG (2.0)
GPIHBP1 (2.6)	SLC9A5 (2.6)	CELF1 (2.5)	ZNF614 (2.5)	NUP93 (2.4)
GPIHBP1 (2.6)	SLC9A5 (2.6)	CELF1 (2.5)	ZNF614 (2.5)	NUP93 (2.4)
GPIHBP1 (2.6)	SLC9A5 (2.6)	CELF1 (2.5)	ZNF614 (2.5)	NUP93 (2.4)
RSPO3 (2.4)	RAB11B (2.3)	NFATC3 (2.2)	LRRC29 (2.2)	MADD (2.1)
POLR2C (3.2)	CBFB (3.2)	ENSG00000247867 (3	ACD (3.0)	NUDT21 (3.0)
APOC4 (3.2)	MT1E (3.0)	AGBL2 (2.9)	APOA5 (2.9)	OR5I1 (2.8)
UVRAG (2.5)	RLTPR (2.3)	LILRB2 (2.2)	GLUL (2.2)	DUSP3 (2.2)
LRP4 (2.3)	PXK (2.2)	SIK3 (2.0)	ZNF350 (1.9)	BCL3 (1.9)
PLTP (2.8)	G6PC3 (2.7)	TMEM175 (2.6)	REEP3 (2.5)	BACE1 (2.3)
RBM5 (3.1)	KPNB1 (3.0)	NUDT21 (2.9)	SNORD58C (2.9)	NUP93 (2.8)
CELSR2 (2.8)	REEP3 (2.7)	IGF2R (2.7)	ENSG00000223745 (2	LRP4 (2.4)
RSPO3 (2.6)	TRIB1 (2.4)	MAFF (2.3)	EYA3 (2.0)	FZD9 (2.0)
GPAM (2.7)	C12orf65 (2.6)	SEC14L4 (2.5)	MLXIPL (2.5)	SCARB1 (2.5)
ENSG00000179523 (2	GLUL (2.2)	LIPC (2.0)	DUSP3 (1.8)	PLTP (1.8)
MT1M (2.1)	TNKS (2.0)	FADS2 (1.8)	ABCA1 (1.8)	KIAA0895L (1.7)
UVRAG (2.4)	FPR3 (2.2)	FHOD1 (2.2)	RNF214 (2.1)	SPI1 (2.1)
PLA2G6 (2.6)	ENSG00000182109 (2	HNF1A (2.2)	MYO5B (2.2)	HNF4A (2.2)
FHOD1 (3.4)	PGAP3 (2.9)	CDK12 (2.9)	PITPNM2 (2.6)	KCTD19 (2.6)
ENSG00000247445 (2	TAGLN (1.9)	ABCA1 (1.9)	CX3CL1 (1.9)	GPAM (1.9)
CDK12 (4.0)	NUTF2 (3.7)	RBM5 (3.2)	C12orf43 (2.9)	UBE2L3 (2.8)
ANGPTL4 (2.8)	PPP1R1B (2.8)	PCSK7 (2.6)	CES4A (2.3)	GPER (2.0)
GPER (2.6)	SETD8 (2.6)	MLXIPL (2.5)	UBE3B (2.4)	C19orf80 (2.2)
GPER (2.6)	SETD8 (2.6)	MLXIPL (2.5)	UBE3B (2.4)	C19orf80 (2.2)
MST1R (4.2)	MYO5B (3.4)	GRB7 (3.2)	SFN (2.7)	ERBB2 (2.5)
BCL7B (3.2)	ARID1A (3.2)	ACD (3.2)	RBM6 (3.1)	SBNO1 (3.1)
PIGV (3.3)	TNKS (3.3)	ARFGAP2 (3.2)	FBXL20 (3.2)	KBTBD4 (3.0)
GPIHBP1 (2.6)	ZNF613 (2.4)	HCAR1 (2.4)	CCDC116 (2.4)	MT1X (2.4)
B3GNT9 (3.5)	HERPUD1 (3.3)	PDIA3 (3.1)	SDF2L1 (3.0)	ARHGAP1 (3.0)
B3GNT9 (3.5)	HERPUD1 (3.3)	PDIA3 (3.1)	SDF2L1 (3.0)	ARHGAP1 (3.0)
AFF1 (2.4)	TNKS (2.3)	ENSG00000247445 (2	ZNF613 (2.3)	CCDC92 (2.2)
C16orf70 (4.4)	HDAC5 (4.3)	MTMR3 (2.8)	CCNDBP1 (2.8)	UBE3B (2.7)
PDIA3 (2.6)	C18orf32 (2.6)	ENSG00000226334 (2	LILRA3 (2.3)	TMED5 (2.0)
PTPMT1 (3.3)	PIGV (3.2)	TMEM175 (2.9)	TMED5 (2.6)	AMFR (2.5)
LCAT (3.4)	CPS1 (3.0)	OR4A21P (2.9)	CETP (2.7)	PLG (2.6)
DPEP2 (3.4)	IGF2R (2.7)	SIDT2 (2.7)	GALNT2 (2.6)	APOA4 (2.5)
B3GNT9 (4.3)	HERPUD1 (3.3)	PDIA3 (3.1)	SDF2L1 (3.0)	ARHGAP1 (2.9)
ZNF613 (2.6)	ENSG00000229043 (2	ENSG00000179523 (2	GALNT2 (2.2)	AFF1 (2.2)
MAP1A (2.3)	TGM5 (2.2)	GLUL (2.1)	NPEPPS (2.1)	GNAO1 (2.1)
MIEN1 (3.3)	TMEM62 (2.9)	C11orf49 (2.7)	C12orf43 (2.6)	UVRAG (2.5)
GPER (2.6)	MT1F (2.4)	ENSG00000247445 (2	ZNF615 (2.2)	TMEM62 (2.1)
MLXIPL (2.6)	CYP2W1 (2.5)	GPER (2.4)	ENSG00000223745 (2	HNF1A (2.4)
LIPG (2.1)	C17orf105 (2.1)	ADAL (2.0)	SNORD58C (2.0)	VEGFA (1.9)
ZNF614 (2.9)	ZNF615 (2.7)	HARBI1 (2.6)	PACSIN3 (2.6)	LCMT2 (2.6)
TRIB1 (3.2)	CDK12 (2.7)	AFF1 (2.7)	FBXL20 (2.7)	MED1 (2.6)
KIAA0754 (3.1)	PTPRJ (2.9)	ENSG00000247445 (2	PCSK7 (2.7)	ZNF615 (2.6)
SLC12A4 (2.9)	LIPG (2.8)	COBLL1 (2.6)	SLC7A6 (2.6)	ESRP2 (2.5)

CTRL (2.1)	ENSG00000226334 (2	CSGALNACT1 (2.0)	TTC39B (1.9)	TRPS1 (1.9)
LRP4 (3.2)	CYP26A1 (2.9)	PPP1R1B (2.8)	PTPRZ1 (2.8)	IGF2R (2.6)
ARFGAP2 (3.2)	BAZ1B (3.1)	AFF1 (3.0)	SBNO1 (2.9)	HDAC5 (2.5)
PTPRJ (2.4)	ZFAND2A (2.4)	ETV5 (2.2)	RAPSN (1.8)	C19orf80 (1.8)
EDC4 (3.5)	NRBF2 (3.5)	MIEN1 (3.1)	RSPRY1 (3.1)	MED1 (3.0)
LILRA3 (2.7)	OR4A21P (2.2)	C17orf57 (2.2)	ZNF615 (2.2)	TGM7 (2.1)
LILRA3 (2.7)	OR4A21P (2.2)	C17orf57 (2.2)	ZNF615 (2.2)	TGM7 (2.1)
CX3CL1 (2.5)	SIK3 (2.3)	SCARB1 (2.3)	SMPD3 (2.2)	RSPO3 (2.2)
TRADD (3.6)	MAFF (3.4)	SNX10 (2.7)	BCL7B (2.7)	CX3CL1 (2.6)
APOE (2.6)	F2 (2.5)	SFN (2.4)	C1orf172 (2.4)	MYO5B (2.3)
PRMT7 (1.9)	SPRYD5 (1.9)	C17orf105 (1.8)	PDE3A (1.8)	COBLL1 (1.8)
POLR2C (3.0)	SETD8 (3.0)	UBE2L3 (3.0)	UVRAG (3.0)	UBE3B (2.8)
PACSIN3 (2.7)	LPL (2.7)	SLC12A4 (2.5)	CD36 (2.3)	SNX13 (2.2)
TNKS (2.9)	NCOA5 (2.7)	FBXL20 (2.6)	INTS10 (2.5)	CTDSPL2 (2.4)
MYO5B (2.7)	SIK3 (2.7)	RBM6 (2.6)	GALNT2 (2.5)	UBR1 (2.4)
C7orf50 (2.4)	AFF1 (2.4)	KIAA0754 (2.2)	UVRAG (2.2)	PCSK7 (2.2)
MMAB (3.8)	COQ9 (3.4)	PDHB (2.9)	MVK (2.9)	SLC22A1 (2.7)
HNF1A (3.2)	TBL2 (3.1)	HERPUD1 (3.0)	CCDC116 (2.3)	BMP8A (2.1)
ZNF335 (2.3)	TBKBP1 (2.2)	PXK (2.2)	FHOD1 (2.2)	C7orf50 (2.1)
DOCK6 (2.6)	CCDC18 (2.4)	APOC1 (2.4)	TECTB (2.1)	NR1H3 (2.1)
ZNF335 (3.1)	HDAC5 (3.0)	AFF1 (2.9)	NCOA5 (2.9)	ARID1A (2.8)
UBE2L3 (2.7)	KIAA0895L (2.7)	FHOD1 (2.5)	NUP93 (2.5)	SDF2L1 (2.5)
FAM192A (3.7)	KLHL8 (3.3)	RSPRY1 (3.3)	DR1 (3.2)	MTF2 (3.0)
CD300LG (2.8)	GPER (2.8)	FRMD5 (2.7)	PLA2G6 (2.5)	CCDC116 (2.5)
RAPSN (2.7)	DPEP2 (2.5)	MT1F (2.4)	MAP1A (2.4)	SFN (2.2)
MED1 (3.3)	CDK12 (3.3)	PNMT (3.1)	TMEM208 (3.1)	DCPS (2.8)
MED1 (3.3)	CDK12 (3.3)	PNMT (3.1)	TMEM208 (3.1)	DCPS (2.8)
GPR146 (3.0)	LILRA3 (3.0)	CD36 (3.0)	CCNDBP1 (2.5)	E2F4 (2.4)
STRC (2.4)	CCNDBP1 (2.3)	C18orf32 (2.2)	CD36 (2.1)	C1QTNF4 (2.1)
STRC (2.4)	CCNDBP1 (2.3)	C18orf32 (2.2)	CD36 (2.1)	C1QTNF4 (2.1)
CBFB (2.6)	PTPRJ (2.5)	AFF1 (2.4)	ZNF614 (2.4)	FHOD1 (2.3)
CCDC92 (2.5)	PLEKHG4 (2.4)	LPL (2.4)	SLC12A3 (2.4)	PIGV (2.2)
CCDC92 (2.5)	PLEKHG4 (2.4)	LPL (2.4)	SLC12A3 (2.4)	PIGV (2.2)
UBR1 (2.9)	PXK (2.1)	SOST (2.0)	BUD13 (2.0)	DR1 (1.9)
CD300LG (2.4)	ENSG00000247445 (2	UBR1 (2.3)	FHOD1 (2.3)	SLC39A13 (2.3)
CIAPIN1 (2.7)	LIPG (2.7)	YDJC (2.7)	CCDC116 (2.6)	RSPRY1 (2.6)
PGAP3 (2.7)	DDB2 (2.6)	UBE2L3 (2.6)	ARID1A (2.2)	MTMR3 (2.2)
PACSIN3 (3.0)	ZNF615 (2.9)	MTMR3 (2.7)	CCDC116 (2.6)	DDX28 (2.5)
SDF2L1 (3.7)	ATG13 (3.4)	PDIA3 (3.3)	SIDT2 (2.8)	CLPTM1 (2.7)
SLC12A4 (2.5)	C1QTNF4 (2.5)	DGAT2 (2.5)	KANK2 (2.4)	CLPTM1 (2.2)
PXK (1.9)	ABCA1 (1.8)	NRBF2 (1.7)	TRIB1 (1.7)	CCL22 (1.6)
MTCH2 (2.8)	NDUFS3 (2.6)	COQ9 (2.4)	SLC7A6 (2.4)	TMEM208 (2.3)
CCDC116 (2.2)	ZSCAN29 (2.2)	CX3CL1 (2.2)	PIGV (2.1)	BACE1 (2.1)
TAGLN (2.7)	PTPRJ (2.5)	APOC1 (2.4)	MST1R (2.1)	CELF1 (2.1)
KPNB1 (3.5)	CELF1 (3.4)	LPA (3.2)	EIF3J (3.0)	CPS1 (3.0)
NEUROD2 (3.1)	TNKS (2.8)	CX3CL1 (2.7)	GNAO1 (2.5)	C1QTNF4 (2.2)
FADS2 (7.7)	LIPG (4.1)	CELF1 (2.4)	RBM6 (2.0)	KPNB1 (2.0)
APOB (3.5)	F2 (3.5)	NR0B2 (3.4)	LIPC (3.2)	APOA5 (2.6)
FHOD1 (2.9)	ENSG00000179523 (2	EIF3J (2.8)	CASC4 (2.6)	PSMC3 (2.5)
C16orf86 (2.9)	TBKBP1 (2.7)	ENSG00000229043 (2	MYO1H (2.5)	CD300LG (2.5)

DGKG (2.2)	ABHD6 (2.2)	CSGALNACT1 (2.2)	C16orf48 (2.1)	ENSG00000247867 (2
BCAM (2.4)	CELSR2 (2.3)	PPP1R1B (2.3)	PTPRZ1 (2.2)	ERBB2 (2.2)
COQ9 (2.4)	NDUFS3 (2.3)	PSKH1 (2.3)	EIF3J (2.3)	OR4A21P (2.3)
CLPTM1 (2.6)	GPER (2.5)	FPR3 (2.3)	PTPRZ1 (2.2)	AMFR (2.1)
NOL3 (3.3)	VEGFA (3.2)	TBL2 (3.1)	GPR146 (2.7)	NPEPPS (2.3)
CYP26A1 (2.7)	CITED2 (2.4)	RAB11B (2.3)	TAGLN (2.3)	E2F4 (2.2)
GRB7 (2.8)	FBXL20 (2.5)	PGAP3 (2.4)	MBD1 (2.2)	CLPTM1 (2.2)
PIGV (3.1)	G6PC3 (3.1)	TMEM101 (3.1)	MIEN1 (2.7)	GPR146 (2.5)
LRP4 (2.8)	EXOC3L1 (2.7)	MTMR3 (2.5)	ENSG00000256746 (2	ARID1A (2.2)
LRP4 (2.8)	EXOC3L1 (2.7)	MTMR3 (2.5)	ENSG00000256746 (2	ARID1A (2.2)
SNX10 (2.5)	C12orf65 (2.4)	XKR8 (2.3)	BCL7B (2.3)	MYO5B (2.1)
ENSG00000226645 (2	ENSG00000229043 (2	C17orf105 (2.2)	ENSG00000236267 (2	C19orf80 (2.1)
KIAA0754 (2.8)	MYO5B (2.8)	GALNT2 (2.2)	APOE (2.2)	CITED2 (2.1)
CELF1 (2.9)	SLC7A6OS (2.9)	ACD (2.7)	ARFGAP2 (2.7)	NCOA5 (2.7)
BCL3 (2.1)	ENSG00000229043 (2	ZNF613 (1.9)	PTPRZ1 (1.9)	LRP4 (1.9)
CCDC116 (2.1)	DGKG (2.1)	ENSG00000226645 (2	NFATC3 (2.1)	ZDHHC18 (2.1)
CSGALNACT1 (2.6)	CELSR2 (2.6)	NOL3 (2.5)	LPL (2.4)	SPRYD5 (2.3)
EDC4 (4.4)	CENPT (4.1)	SLC7A6OS (4.0)	CIAPIN1 (3.9)	TRADD (3.9)
TOMM40 (3.5)	EIF3J (3.3)	PSMB10 (3.3)	NDUFS3 (3.1)	CKAP5 (2.9)
HNF4A (2.1)	ENSG00000247867 (2	CYP2W1 (2.0)	PCSK7 (2.0)	MST1R (1.9)
ABCA1 (3.2)	NR1H3 (3.2)	ACP2 (2.8)	RELB (2.3)	ZDHHC18 (2.3)
MED1 (3.1)	NCOA5 (3.1)	RNF214 (3.0)	ZNF335 (2.8)	EYA3 (2.7)
SMPD3 (2.5)	ARID1A (2.5)	CSGALNACT1 (2.5)	NFATC3 (2.5)	LRP4 (2.4)
GPER (2.7)	IGF2R (2.6)	AMFR (2.4)	HNF4A (2.4)	TMEM175 (2.3)
PVRL2 (2.6)	KANK2 (2.6)	ABCB9 (2.5)	GPIHBP1 (2.4)	ENSG00000254235 (2
SLC7A6OS (3.0)	ZNF350 (2.9)	RBM6 (2.8)	OGFOD1 (2.7)	RBM5 (2.6)
TMEM208 (3.1)	NDUFS3 (3.0)	ATG13 (2.6)	B3GNT9 (2.6)	COX19 (2.3)
TMEM208 (3.1)	NDUFS3 (3.0)	ATG13 (2.6)	B3GNT9 (2.6)	COX19 (2.3)
ZNF615 (3.0)	CCDC116 (2.9)	PACSIN3 (2.8)	MTMR3 (2.8)	NCOA5 (2.5)
ABHD6 (2.2)	FBXL20 (2.2)	CLPTM1 (2.1)	PXK (2.0)	SNX10 (2.0)
KIAA0754 (2.5)	CELF1 (2.5)	DGKG (2.3)	TTC39B (2.2)	MACF1 (2.2)
GNAO1 (2.2)	CMIP (2.2)	SLC12A3 (2.1)	JMJD1C (2.1)	PYY (1.9)
GPR146 (2.6)	EXOC3L1 (2.6)	CCDC116 (2.4)	ENSG00000236267 (2	C16orf86 (2.2)
LIPG (2.8)	CETP (2.8)	VEGFA (2.8)	CX3CL1 (2.7)	UBR1 (2.5)
ABCA1 (3.0)	KCTD6 (2.9)	EYA3 (2.9)	CKAP5 (2.8)	NR1H3 (2.7)
CKAP5 (2.6)	THAP11 (2.5)	UVRAG (2.5)	UBE2L3 (2.2)	CENPT (2.2)
BBS2 (3.0)	ACD (2.8)	NUP160 (2.7)	MTF2 (2.7)	MFAP1 (2.6)
TNKS (2.4)	AMFR (2.3)	LRP4 (2.2)	ARID1A (2.1)	ACAA2 (2.0)
KCTD6 (2.1)	GLUL (2.0)	PYY (2.0)	FPR3 (1.9)	BBS2 (1.9)
NOL3 (2.5)	ZNF350 (2.5)	HSF4 (2.4)	NRBF2 (2.3)	TRADD (2.3)
PTPRZ1 (2.4)	SPRYD5 (2.2)	ENSG00000247867 (2	NR1H3 (2.0)	CELSR2 (2.0)
SLC7A6OS (2.7)	EIF3J (2.6)	NUP93 (2.5)	MON1A (2.5)	JMJD1C (2.4)
GPR146 (3.2)	RELB (3.0)	SPI1 (2.9)	ZDHHC18 (2.8)	LILRB2 (2.6)
MAP1A (2.6)	REEP3 (2.3)	BACE1 (2.3)	FRMD5 (2.2)	SMPD3 (2.1)
VEGFA (2.6)	NOL3 (2.4)	TECTB (2.3)	KIAA0895L (2.3)	STRC (2.3)
NOL3 (2.4)	ZNF350 (2.3)	GPAM (2.2)	DPEP2 (2.2)	PACSIN3 (2.2)
MTF2 (2.6)	OR4A1P (2.6)	SNORD58C (2.4)	ENSG00000223745 (2	C12orf43 (2.2)
NDUFS3 (4.0)	MTCH2 (3.8)	MLXIPL (2.3)	GPAM (2.3)	MMAB (2.3)
CETP (3.4)	APOC4 (3.1)	LCAT (3.0)	DNAH10 (2.5)	PLTP (2.4)
DPEP3 (2.4)	REEP3 (2.3)	COBLL1 (2.2)	XKR8 (2.1)	C11orf9 (2.0)

GPAM (3.3)	MTCH2 (3.1)	VEGFA (2.8)	KCTD6 (2.7)	ZNF614 (2.7)
APOC4 (2.6)	RLTPR (2.6)	APOE (2.5)	SEC14L4 (2.4)	OR4A21P (2.4)
MBD1 (2.6)	EYA3 (2.3)	CXXC1 (2.2)	FPR3 (2.2)	MT1H (2.1)
PSMC3 (2.7)	BCL7B (2.6)	DYM (2.5)	LSM12 (2.5)	RANBP10 (2.3)
TMEM101 (2.6)	NPEPPS (2.5)	ZSCAN29 (2.3)	MTMR3 (2.3)	SBNO1 (2.3)
SNORD58C (2.8)	NCOA5 (2.8)	RBM5 (2.7)	KPNB1 (2.7)	CIAPIN1 (2.7)
SBNO1 (2.9)	CCNDBP1 (2.4)	DPEP3 (2.4)	LRRC29 (2.3)	TP53BP1 (2.3)
ANGPTL4 (3.4)	TMED5 (2.8)	MTCH2 (2.6)	LPL (2.6)	MLXIPL (2.5)
ABCA1 (2.7)	SLC39A13 (2.5)	VEGFA (2.1)	B3GNT9 (2.1)	MST1R (2.0)
CCL17 (3.8)	CD40 (3.7)	NLRC5 (3.1)	LILRA3 (2.9)	RELB (2.9)
XKR8 (2.4)	LILRB2 (2.2)	CD40 (2.2)	CETP (2.1)	LILRA3 (2.1)
REEP3 (2.1)	PTPRZ1 (1.9)	CLPTM1 (1.9)	UBE3B (1.9)	LCAT (1.8)
PSMB10 (2.8)	FAM192A (2.8)	CXXC1 (2.7)	OGFOD1 (2.7)	ARFGAP2 (2.7)
JMJD1C (2.4)	NCOA5 (2.4)	PCIF1 (2.2)	SNORD58C (2.2)	NUP93 (2.2)
MMAB (2.7)	EPB42 (2.7)	TOMM40 (2.7)	C12orf43 (2.6)	TBL2 (2.5)
SLC12A4 (2.7)	RAPSN (2.3)	DOCK6 (2.3)	KANK2 (2.3)	ETV5 (2.2)
ARID1A (2.7)	LRP4 (2.7)	UBE3B (2.4)	ERBB2 (2.4)	REEP3 (2.3)
FHOD1 (2.7)	CX3CL1 (2.6)	LIPG (2.5)	GPIHBP1 (2.4)	FADS2 (2.3)
ZSCAN29 (2.8)	CCDC116 (2.7)	NCOA5 (2.7)	ZNF615 (2.6)	HARBI1 (2.6)
PGAP3 (2.1)	KIAA0754 (2.1)	ABCB9 (2.0)	ZDHHC18 (1.9)	MIEN1 (1.9)
MYO5B (3.8)	SFN (3.1)	GRB7 (2.9)	MST1R (2.8)	TRNP1 (2.6)
BCAM (3.4)	GPIHBP1 (3.0)	KANK2 (2.7)	MT1H (2.4)	SIDT2 (2.4)
LILRB2 (2.8)	RBM5 (2.7)	MST1R (2.6)	LILRA3 (2.5)	PGAP3 (2.5)
OR5J2 (2.4)	MACF1 (2.2)	PVRL2 (2.1)	TNKS (2.1)	JMJD1C (2.1)
TBL2 (2.9)	AMFR (2.9)	ZNF259 (2.7)	NUP160 (2.7)	MTCH2 (2.5)
ESRP2 (2.4)	MYO1H (2.3)	C19orf80 (2.2)	ABHD6 (2.2)	RBPJ (2.1)
C1orf172 (1.9)	DPEP3 (1.9)	SCARB1 (1.8)	PLEKHG4 (1.8)	RSPO3 (1.6)
TMEM62 (2.8)	SNX13 (2.7)	MIEN1 (2.7)	C18orf32 (2.7)	PXK (2.4)
SDF2L1 (2.5)	PTPMT1 (2.4)	HERPUD1 (2.4)	CASC4 (2.4)	PDIA3 (2.4)
C1orf172 (2.6)	MMAB (2.6)	MYO5B (2.4)	TRPS1 (2.3)	COBLL1 (2.3)
KANK2 (2.5)	LILRB2 (2.5)	AFF1 (2.4)	FAM192A (2.3)	FHOD1 (2.1)
KANK2 (2.7)	APOA5 (2.5)	LIPC (2.4)	APOC4 (2.2)	TRNP1 (2.0)
ENSG00000226645 (2	HCAR1 (2.2)	ENSG00000236267 (2	C19orf80 (2.1)	C17orf105 (2.1)
BCL3 (3.3)	PITPNM2 (3.0)	CCL22 (2.8)	PSMB10 (2.8)	NLRC5 (2.8)
SETD8 (3.1)	CCDC18 (2.8)	MT1X (2.7)	FEN1 (2.6)	TRIB1 (2.5)
BCL7B (3.1)	DEPDC1 (2.5)	COQ9 (2.2)	CENPT (2.2)	TOMM40 (2.1)
ETV5 (3.4)	CX3CL1 (3.2)	MYO1H (2.7)	LPL (2.5)	PLEKHG4 (2.3)
HERPUD1 (2.4)	CIAPIN1 (2.4)	OGFOD1 (2.4)	CD300LG (2.1)	HCAR1 (2.0)
MIEN1 (2.5)	BCL7B (2.5)	DR1 (2.3)	CLPTM1 (2.3)	UBE2L3 (2.2)
MVK (2.8)	MMAB (2.7)	HERPUD1 (2.5)	ABCA8 (2.5)	RAPSN (2.4)
MADD (2.8)	MT1M (2.7)	TRPS1 (2.6)	MT1F (2.5)	MT1E (2.3)
G6PC3 (2.7)	MT1F (2.6)	ACP2 (2.5)	TMEM175 (2.4)	PIGV (2.4)
TMEM175 (2.2)	BCL7B (2.2)	DYM (2.1)	ATG13 (2.1)	ADAL (2.0)
ZDHHC18 (2.6)	LPA (2.6)	ZNF614 (2.3)	NLRC5 (2.3)	APOE (2.3)
NCOA5 (3.0)	NPEPPS (2.8)	DYM (2.7)	TNKS (2.5)	SMPD3 (2.4)
ESRP2 (5.1)	MYO5B (4.2)	GRB7 (3.5)	SFN (3.2)	LIPG (2.7)
NDUFS3 (3.3)	PSMC3 (2.8)	PPIP5K1 (2.8)	MON1A (2.7)	COQ9 (2.6)
NCOA5 (2.2)	PRMT7 (2.1)	PSMC3 (2.0)	KPNB1 (1.9)	ENSG00000226334 (1
C11orf49 (3.0)	TSNAXIP1 (3.0)	LRRC29 (2.8)	C16orf48 (2.5)	ANGPTL4 (2.4)
SIDT2 (2.4)	PLTP (2.2)	LPL (2.1)	KANK2 (2.1)	TBL2 (2.1)

CD300LG (2.2)	LILRB2 (2.1)	HDAC5 (2.0)	CSGALNACT1 (1.9)	UVRAG (1.9)
MAFF (4.3)	RBM5 (2.6)	ZNF335 (2.4)	HERPUD1 (2.4)	BCL3 (2.3)
DYM (2.2)	ETV5 (2.2)	LSM12 (2.2)	HERPUD1 (2.1)	CMIP (2.1)
C12orf65 (2.7)	LILRA3 (2.5)	ZNF614 (2.4)	ZNF615 (2.4)	SMPD3 (2.4)
UBE3B (2.6)	CCDC92 (2.6)	CBFB (2.6)	PACSIN3 (2.5)	TBKBP1 (2.4)
CD40 (3.3)	ZFAND2A (2.8)	PDIA3 (2.3)	TOMM40 (2.2)	CCL22 (2.2)
CCDC116 (2.3)	ACAA2 (2.1)	C11orf9 (2.1)	PLA2G15 (2.0)	SFN (2.0)
CTRL (2.8)	GPER (2.7)	MST1R (2.7)	FHOD1 (2.6)	CCL17 (2.6)
LCAT (3.6)	CPS1 (3.1)	APOE (2.9)	PLTP (2.9)	APOA5 (2.8)
TMED5 (3.1)	EIF3J (2.7)	ARFGAP2 (2.7)	RANBP10 (2.6)	JMJD1C (2.5)
OR5J2 (2.6)	LSM12 (2.5)	AMFR (2.5)	AGBL2 (2.3)	CLPTM1 (2.2)
TECTB (2.4)	SLC12A3 (2.4)	LILRA3 (2.2)	ZSCAN29 (2.2)	TTC39B (2.2)
PLA2G15 (2.4)	CCDC11 (2.4)	PITPNM2 (2.2)	EXOC3L1 (2.1)	SLC7A6OS (2.1)
FAM192A (3.0)	MTCH2 (2.9)	RANBP10 (2.8)	ZFAND2A (2.6)	NUTF2 (2.6)
ELMO3 (5.1)	MYO5B (4.1)	MST1R (3.6)	GRB7 (2.9)	CELSR2 (2.7)
JMJD1C (2.6)	FRMD5 (2.4)	OR5L2 (2.4)	VEGFA (2.1)	GPAM (2.1)
TRPS1 (2.5)	KLF14 (2.4)	TECTB (2.3)	MLXIPL (2.2)	SCARB1 (2.2)
NRBF2 (3.3)	TMEM101 (3.0)	SDF2L1 (2.9)	PCSK7 (2.8)	ATG13 (2.7)
HCAR1 (2.3)	SNX13 (2.2)	COBLL1 (2.2)	JMJD1C (2.1)	FHOD1 (2.0)
BCAM (2.9)	FADS1 (2.8)	ENSG00000179523 (2	GPR146 (2.3)	MVK (2.3)
TMED5 (2.4)	UBE2L3 (2.3)	SCARB1 (2.2)	RBM5 (2.2)	EYA3 (2.0)
TMEM62 (2.3)	PPIP5K1 (2.3)	TRPS1 (2.2)	HDAC5 (2.2)	PNMT (2.2)
FADS2 (5.2)	CES4A (4.4)	GPAM (3.5)	SEC14L4 (3.4)	ZNF350 (3.4)
FADS2 (5.2)	CES4A (4.4)	GPAM (3.5)	SEC14L4 (3.4)	ZNF350 (3.4)
RELB (2.7)	TRADD (2.6)	FNBP4 (2.5)	C16orf86 (2.3)	PIGV (2.2)
SBNO1 (2.8)	BUD13 (2.6)	THAP11 (2.5)	HDAC5 (2.5)	BAZ1B (2.4)
SPI1 (3.4)	LILRA3 (3.0)	LILRB2 (2.9)	NR1H3 (2.9)	DDB2 (2.7)
RAB11B (2.7)	TOMM40 (2.4)	EIF3J (2.4)	CLPTM1 (2.4)	OGFOD1 (2.3)
MLXIPL (2.3)	LCAT (2.0)	ENSG00000255507 (1	SFN (1.9)	CETP (1.8)
BMP8A (2.6)	CSGALNACT1 (2.5)	SLC12A4 (2.4)	TGM7 (2.1)	SMPD3 (2.0)
ENSG00000229043 (2	ENSG00000254235 (2	C17orf105 (2.2)	ENSG00000226645 (2	TUBGCP4 (2.1)
LILRA3 (2.8)	OR5I1 (2.8)	DPEP2 (2.7)	LILRB2 (2.7)	C17orf57 (2.5)
ANGPTL4 (2.3)	TRIB1 (2.3)	ZFAND2A (2.1)	KLF14 (2.1)	HERPUD1 (2.0)
DOK4 (2.7)	KCTD6 (2.6)	ENSG00000256746 (2	RBPJ (2.5)	SOST (2.5)
HARBI1 (2.7)	PPY (2.5)	TGM5 (2.3)	NAGS (2.2)	MT1H (2.1)
APOA4 (2.3)	XKR8 (2.2)	AFF1 (2.1)	PACSIN3 (2.1)	C11orf9 (2.0)
CKAP5 (4.6)	CENPT (4.3)	WDR76 (2.8)	MPHOSPH9 (2.7)	DDB2 (2.7)
TTC39B (2.3)	C16orf86 (2.2)	GLUL (2.2)	ENSG00000182109 (2	MT1G (2.0)
SLC39A13 (2.6)	SPI1 (2.3)	SLC12A4 (2.2)	DOCK6 (2.2)	KANK2 (1.9)
EIF3J (2.6)	ZNF335 (2.6)	CDK12 (2.5)	E2F4 (2.5)	THAP11 (2.4)
RLTPR (2.8)	APOC4 (2.5)	APOE (2.5)	SEC14L4 (2.3)	OR4A21P (2.3)
GNAO1 (2.7)	TCAP (2.7)	MYBPC3 (2.6)	HCAR1 (2.4)	SCARB1 (2.2)
OR5I1 (2.1)	MTMR3 (2.0)	SLC7A6 (2.0)	CMIP (1.8)	ZNF335 (1.8)
HDAC5 (2.4)	KLF14 (2.3)	CD36 (2.3)	ZNF335 (2.2)	ZDHHC18 (2.2)
PLG (3.2)	APOC4 (3.1)	SLC22A1 (2.9)	HNF4A (2.8)	ENSG00000179523 (2
PTPRZ1 (2.6)	RBPJ (2.6)	LRP4 (2.4)	HDAC5 (2.3)	MAFF (2.2)
DGKG (2.4)	LRP4 (2.4)	SFN (2.2)	ENSG00000181123 (2	HNF1A (2.0)
KPNB1 (3.2)	TMED5 (2.9)	GFOD2 (2.6)	AGBL2 (2.5)	CATSPER2 (2.1)
LPA (3.3)	APOC3 (3.2)	APOA1 (3.1)	HSF4 (2.9)	APOB (2.8)
POLR2C (2.7)	RBPJ (2.6)	EIF3J (2.6)	ACD (2.5)	MFAP1 (2.5)

POLR2C (2.7)	RBPJ (2.6)	EIF3J (2.6)	ACD (2.5)	MFAP1 (2.5)
POLR2C (2.7)	RBPJ (2.6)	EIF3J (2.6)	ACD (2.5)	MFAP1 (2.5)
UVRAG (2.8)	SPI1 (2.8)	ZSCAN29 (2.7)	RLTPR (2.5)	GALNT2 (2.5)
ESRP2 (2.8)	BCAM (2.4)	LIPG (2.4)	TAGLN (2.3)	TGM7 (2.3)
PNMT (3.9)	ABCA8 (3.7)	KLF14 (3.6)	APOA5 (3.2)	ENSG00000236267 (3
DYM (2.8)	ARHGAP1 (2.7)	HNF4A (2.6)	MFAP1 (2.6)	SNORD58C (2.4)
CCL22 (2.5)	CD36 (2.4)	PITPNM2 (2.3)	PLA2G15 (2.2)	FPR3 (2.1)
SLC7A6 (3.0)	DDX28 (3.0)	COQ9 (3.0)	POLR2C (3.0)	NFATC3 (3.0)
FPR3 (2.8)	HCAR1 (2.8)	CCDC116 (2.7)	STRC (2.5)	ZNF613 (2.5)
PDE3A (3.8)	CPS1 (3.6)	G6PC3 (2.1)	TECTB (2.0)	RAB11B (1.9)
ENSG00000247445 (2	GALNT2 (2.0)	RSPRY1 (2.0)	ANGPTL4 (2.0)	ST3GAL4 (1.9)
UVRAG (2.7)	ST3GAL4 (2.6)	CBFB (2.5)	PVRL2 (2.4)	CTDSPL2 (2.4)
CENPT (2.5)	ATG13 (2.4)	KIAA0895L (2.4)	NPEPPS (2.3)	TBL2 (2.2)
MT1G (2.6)	AGBL2 (2.6)	MT1E (2.6)	ADAL (2.5)	CASC4 (2.5)
SIK3 (2.5)	PPP1R1B (2.4)	OR5I1 (2.2)	MYBPC3 (2.0)	SEC14L4 (1.9)
ARID1A (2.8)	HARBI1 (2.6)	ARFGAP2 (2.6)	PACSIN3 (2.5)	ZNF408 (2.5)
B3GNT9 (3.0)	SOST (2.3)	MT1M (2.3)	SMPD3 (2.3)	LRP4 (2.2)
SNX13 (3.2)	CCNDBP1 (2.9)	NRBF2 (2.9)	ARFGAP2 (2.8)	MADD (2.7)
SMPD3 (2.8)	SPRYD5 (2.5)	CCL17 (2.4)	SIK3 (2.4)	GPR146 (2.3)
GPER (2.6)	MT1F (2.4)	ZNF615 (2.2)	ENSG00000247445 (2	HNF4A (2.1)
RELB (3.0)	SPI1 (2.9)	ABCA1 (2.8)	RBPJ (2.5)	NFATC3 (2.1)
KLF14 (2.5)	FRMD5 (2.4)	TRIB1 (2.2)	ST3GAL4 (2.2)	CMIP (2.0)
TBL2 (2.8)	IGF2R (2.7)	TMEM62 (2.6)	CLPTM1 (2.4)	TGM5 (2.3)
DR1 (3.4)	ACD (3.4)	MTF2 (3.3)	BUD13 (3.2)	CTDSPL2 (3.1)
SPG11 (2.6)	PSKH1 (2.5)	ACP2 (2.3)	BBS2 (2.2)	ELMO3 (2.1)
PLEKHG4 (2.8)	NAGS (2.7)	AFF1 (2.5)	MT1G (2.5)	MBD1 (2.4)
PSMB10 (2.7)	TRADD (2.6)	LILRB2 (2.4)	FPR3 (2.2)	LILRA3 (1.8)
MED1 (2.7)	TRPS1 (2.7)	ARID1A (2.5)	RBPJ (2.4)	HDAC5 (2.2)
MLXIPL (3.0)	SLC22A1 (2.9)	PTPRZ1 (2.7)	KCTD19 (2.7)	HERPUD1 (2.7)
RSPO3 (2.3)	LILRB2 (2.2)	CETP (2.2)	CCL17 (2.1)	LIPG (2.0)
TECTB (2.7)	DNAH10 (2.6)	SLC22A1 (2.4)	DGKG (2.2)	SOST (2.2)
LRP4 (2.9)	VEGFA (2.3)	BCAM (2.1)	CD300LG (2.1)	PLTP (2.1)
TMEM62 (2.4)	TUBGCP4 (2.4)	DR1 (2.2)	ABHD6 (2.1)	SCARB1 (2.1)
OR4A21P (2.5)	ENSG00000223745 (2	MT1H (2.2)	CX3CL1 (2.2)	CCDC116 (2.1)
CDK12 (2.7)	G6PC3 (2.6)	ARID1A (2.5)	SDF2L1 (2.5)	PDIA3 (2.4)
RSPO3 (3.0)	DOK4 (3.0)	CD36 (3.0)	LPL (2.9)	TCAP (2.4)
APOC3 (2.9)	APOB (2.6)	GPR146 (2.2)	NAGS (2.1)	HNF4A (2.0)
ZNF615 (2.9)	PACSIN3 (2.8)	ZNF614 (2.8)	MTMR3 (2.7)	NCOA5 (2.5)
PVRL2 (2.6)	ENSG00000226645 (2	GPIHBP1 (2.3)	ABCB9 (2.2)	CCDC116 (2.2)
FPR3 (3.7)	NLRC5 (3.4)	RELB (2.6)	CCL22 (2.5)	FNBP4 (2.3)
GLUL (2.3)	ENSG00000182109 (2	ZNF664 (2.2)	HDAC5 (2.2)	NR1H3 (2.1)
EXOC3L1 (2.6)	ABCB9 (2.5)	TAGLN (2.5)	GPIHBP1 (2.5)	KANK2 (2.5)
RBPJ (2.4)	DCPS (2.4)	SIK3 (2.3)	FPR3 (2.3)	SPI1 (2.2)
AMBRA1 (2.8)	DDX28 (2.8)	LCMT2 (2.6)	ENSG00000182109 (2	GPER (2.5)
CLPTM1 (2.9)	C18orf32 (2.6)	TBL2 (2.6)	LCAT (2.2)	CELSR2 (2.1)
EDC4 (3.2)	NUP93 (3.0)	MFAP1 (2.9)	ACD (2.9)	SLC7A6OS (2.8)
GRB7 (3.0)	ERBB2 (3.0)	TBKBP1 (2.6)	DOCK6 (2.6)	PPP1R1B (2.4)
GLUL (2.8)	ABCA1 (2.7)	NR1H3 (2.5)	CCDC18 (2.4)	PLA2G15 (2.4)
HCAR1 (2.3)	MPHOSPH9 (2.1)	MYO5B (1.9)	EYA3 (1.9)	MACF1 (1.8)
BAZ1B (2.4)	JMJD1C (2.2)	TUBGCP4 (2.2)	AFF1 (2.2)	SOST (2.1)

PCIF1 (2.3)	PGAP3 (2.2)	RSPO3 (2.0)	PVRL2 (2.0)	ZNF614 (2.0)
PVRL2 (2.6)	ABCB9 (2.5)	GPIHBP1 (2.5)	KANK2 (2.4)	ENSG00000254235 (2
TTC39B (2.5)	MAFF (2.3)	C19orf80 (2.1)	DYM (2.0)	PPIP5K1 (2.0)
PNMT (3.0)	BCL3 (3.0)	RAPSN (3.0)	SPI1 (2.4)	DOK4 (2.4)
ABCA8 (2.8)	MLXIPL (2.5)	NOL3 (2.3)	GALNT2 (2.2)	JMJD1C (1.9)
LILRA3 (2.9)	MST1R (2.7)	LILRB2 (2.6)	RBM5 (2.5)	PGAP3 (2.4)
LILRA3 (2.9)	MST1R (2.7)	LILRB2 (2.6)	RBM5 (2.5)	PGAP3 (2.4)
PLTP (2.5)	AFF1 (2.4)	CETP (2.3)	TRIB1 (2.3)	PLA2G15 (2.2)
NOL3 (2.6)	CYP2W1 (2.5)	LILRA3 (2.4)	HSF4 (2.3)	ABCB9 (2.2)
LRP4 (2.4)	PTPRJ (2.3)	TRADD (2.3)	ETV5 (2.3)	AMFR (2.2)
CSGALNACT1 (2.2)	JMJD1C (2.2)	SIK3 (2.2)	UVRAG (2.2)	ZNF335 (2.2)
BCL7B (3.4)	NFATC3 (3.3)	MBD1 (3.2)	BAZ1B (3.2)	IGF2R (3.2)
ABCA1 (2.4)	BCL3 (2.4)	SNX10 (2.4)	TRPS1 (2.4)	LILRB2 (2.3)
PGAP3 (3.4)	MED1 (3.3)	RSPRY1 (3.1)	MTF2 (3.1)	LSM12 (3.0)
MAFF (5.3)	CX3CL1 (3.8)	BCL7B (3.1)	CCL17 (3.1)	ZDHHC18 (2.6)
CYP26A1 (2.1)	SLC7A6 (2.0)	CITED2 (2.0)	PVRL2 (1.9)	FBXL20 (1.9)
SDF2L1 (3.3)	PLA2G15 (3.1)	PLTP (3.1)	BACE1 (2.5)	LIPG (2.4)
TMEM175 (2.8)	SLC39A13 (2.7)	PIGV (2.6)	CELSR2 (2.5)	PLA2G15 (2.4)
RNF214 (2.3)	MTMR3 (2.3)	ZNF664 (2.3)	TNKS (2.2)	HCAR1 (2.2)
ARID1A (2.5)	EXOC3L1 (2.5)	PITPNM2 (2.4)	SETD8 (2.4)	CDK12 (2.4)
BCAM (2.9)	SLC39A13 (2.8)	FZD9 (2.7)	LPL (2.4)	LRP4 (2.3)
IGF2R (2.8)	RSPO3 (2.4)	APOE (2.4)	OASL (2.3)	ANGPTL4 (2.3)
PDIA3 (3.4)	PSMB10 (3.4)	TMEM208 (3.2)	G6PC3 (2.9)	HERPUD1 (2.8)
KANK2 (3.0)	ERBB2 (2.9)	MACF1 (2.8)	IGF2R (2.7)	SLC12A4 (2.6)
MAP1A (2.6)	CCDC92 (2.5)	MT1E (2.4)	DOK4 (2.3)	C11orf9 (2.2)
C11orf49 (3.1)	DUSP3 (2.9)	RBM6 (2.9)	PPIP5K1 (2.9)	KCTD10 (2.8)
CELF1 (3.4)	CTDSPL2 (3.3)	UBR1 (3.2)	BUD13 (3.2)	NUP93 (2.9)
SIDT2 (2.6)	NFATC3 (2.5)	PCSK7 (2.2)	AFF1 (2.2)	UBR1 (1.9)
MMAB (3.3)	MTCH2 (2.9)	CIAPIN1 (2.9)	PPIP5K1 (2.9)	MVK (2.9)
KPNB1 (3.0)	NUP93 (2.9)	UBE2L3 (2.7)	OGFOD1 (2.7)	TOMM40 (2.6)
BCL3 (4.0)	CETP (4.0)	CCL17 (3.6)	PSMB10 (3.4)	NR1H3 (2.9)
SLC22A1 (3.8)	HNF4A (3.5)	APOA5 (3.2)	LCAT (3.2)	ENSG00000236267 (3
MYO5B (3.1)	DOK4 (2.9)	VEGFA (2.7)	NEUROD2 (2.6)	CX3CL1 (2.6)
DOCK6 (2.3)	PPP1R1B (2.0)	ERBB2 (2.0)	KCTD10 (2.0)	KANK2 (2.0)
CIAPIN1 (3.4)	UBE2L3 (3.2)	TOMM40 (3.2)	NUTF2 (3.1)	ZFAND2A (2.8)
ELMO3 (5.3)	GRB7 (5.3)	SFN (4.1)	MYO5B (3.1)	ERBB2 (2.7)
C18orf32 (2.3)	DDB2 (2.2)	PSKH1 (2.2)	OASL (2.1)	KCTD10 (2.1)
CASC4 (3.2)	ABCA8 (2.7)	OR5I1 (2.6)	OR5J2 (2.5)	DNAH10 (2.4)
NFATC3 (2.5)	MTMR3 (2.5)	MACF1 (2.5)	BCL3 (2.2)	SETD8 (2.2)
BCAM (3.4)	PACSIN3 (3.3)	PDE3A (2.7)	CYP26A1 (2.6)	GPIHBP1 (2.6)
CSGALNACT1 (2.7)	NLRC5 (2.6)	ENSG00000254235 (2	LRP4 (2.4)	ABCA8 (2.3)
CX3CL1 (3.5)	PTPRJ (2.8)	CCL17 (2.7)	BCL3 (2.4)	CSGALNACT1 (2.3)
BAZ1B (3.2)	CTDSPL2 (3.1)	TUBGCP4 (2.9)	NUP93 (2.9)	NUDT21 (2.9)
KIAA0895L (2.6)	PARD6A (2.5)	NOL3 (2.4)	DCPS (2.2)	ACAA2 (2.1)
RELB (2.7)	PPP1R1B (2.6)	SIK3 (2.5)	SLC7A6 (2.5)	ST3GAL4 (2.2)
CPNE2 (2.6)	ABCB9 (2.4)	ARHGAP1 (2.3)	JMJD1C (2.3)	CD300LG (2.2)
CPS1 (4.0)	APOA1 (3.8)	PPY (3.6)	NAGS (3.5)	APOB (3.4)
SLC12A4 (2.7)	RAPSN (2.4)	PTPRZ1 (2.4)	SLC39A13 (2.3)	APOE (2.2)
TTC39B (2.3)	C17orf57 (2.3)	GFOD2 (2.2)	DPEP2 (2.0)	SPI1 (2.0)
NR0B2 (2.5)	SLC22A1 (2.5)	PNMT (2.4)	APOA5 (2.2)	APOC4 (2.2)

TRADD (2.6)	MAFF (2.5)	DCPS (2.4)	SNORD58C (2.4)	C18orf32 (2.3)
TGM7 (3.0)	ENSG00000247445 (2	OR4A21P (2.7)	OR5J2 (2.4)	MYO1H (2.4)
NLRC5 (2.3)	CCL17 (2.3)	ENSG00000236267 (2	OR4A21P (1.9)	ZDHHC18 (1.9)
C17orf105 (2.3)	PYY (2.2)	MLXIPL (2.2)	SLC12A3 (2.2)	ACAA2 (2.0)
KCTD6 (3.4)	NDUFS3 (3.2)	CIAPIN1 (2.6)	PSMC3 (2.6)	TOMM40 (2.5)
CENPT (3.5)	FEN1 (2.7)	CKAP5 (2.3)	SEC14L4 (2.2)	NUTF2 (2.1)
MST1R (4.9)	MYO5B (3.8)	SFN (3.7)	GRB7 (3.6)	ERBB2 (3.1)
CD300LG (2.9)	ENSG00000226334 (2	KCTD19 (2.5)	HSF4 (2.2)	TCAP (2.2)
F2 (2.3)	HNF4A (2.3)	PCSK7 (2.2)	APOA1 (2.1)	PLG (2.0)
NDUFS3 (4.5)	ACAA2 (4.2)	MLXIPL (3.8)	CIAPIN1 (3.2)	PPIP5K1 (2.8)
CDK12 (2.4)	CCDC18 (2.4)	C17orf57 (2.3)	TRPS1 (2.2)	CYP26A1 (2.0)
CETP (2.8)	GLUL (2.7)	GALNT2 (2.5)	ACP2 (2.4)	BCAM (2.3)
CITED2 (3.1)	VEGFA (2.9)	ETV5 (2.3)	ARID1A (2.2)	ENSG00000247445 (2
GPER (2.8)	CD300LG (2.7)	FRMD5 (2.6)	CCDC116 (2.5)	PLA2G6 (2.5)
KIAA0754 (2.5)	RBM6 (2.5)	SDF2L1 (2.5)	RAB11B (2.4)	C1QTNF4 (2.3)
PRMT7 (3.1)	C12orf43 (3.0)	DDX28 (2.8)	DUS2L (2.8)	SBNO1 (2.7)
NR0B2 (4.3)	APOA1 (3.5)	APOC3 (3.4)	APOB (3.1)	CPS1 (2.9)
EDC4 (3.6)	CXXC1 (3.3)	ACD (3.1)	RBM5 (3.1)	NUDT21 (3.0)
EIF3J (3.2)	PGAP3 (3.1)	OGFOD1 (3.1)	GPAM (3.1)	PRMT7 (2.9)
PCSK7 (2.9)	AMFR (2.8)	CASC4 (2.6)	RSPRY1 (2.5)	GFOD2 (2.5)
C12orf65 (3.1)	TUBGCP4 (3.0)	FADS1 (3.0)	KIAA0895L (2.8)	PGS1 (2.8)
TRADD (3.0)	UVRAG (2.8)	PLA2G15 (2.8)	SPI1 (2.7)	DUSP3 (2.6)
UBE2L3 (3.0)	EDC4 (3.0)	NUP93 (2.9)	NUDT21 (2.9)	RBM5 (2.9)
CCL17 (2.9)	CD300LG (2.8)	LILRB2 (2.8)	GPIHBP1 (2.4)	NR1H3 (2.3)
CD40 (3.7)	CX3CL1 (3.1)	CCL17 (3.1)	DPEP2 (2.4)	PLTP (2.4)
CDK12 (2.5)	JMJD1C (2.5)	BCL7B (2.4)	SETD8 (2.3)	PCIF1 (2.0)
CETP (2.3)	CBFB (2.2)	GPER (2.0)	OASL (2.0)	BACE1 (1.9)
ZNF335 (2.9)	ZNF259 (2.6)	UBE3B (2.4)	EDC4 (2.4)	TOMM40 (2.3)
SLC12A3 (3.5)	SLC12A4 (2.8)	RAB11B (2.7)	HCAR1 (2.5)	ARHGAP1 (2.4)
FADS2 (2.3)	BCAM (2.1)	ENSG00000247867 (1	CYP26A1 (1.8)	MVK (1.8)
SETD8 (2.6)	NUTF2 (2.5)	PSMC3 (2.5)	KPNB1 (2.4)	MAFF (2.2)
GALNT2 (2.4)	TMED5 (2.1)	ENSG00000223745 (2	TRADD (2.0)	PCSK7 (2.0)
SFN (3.4)	APOB (3.3)	APOA1 (3.3)	PLG (3.2)	APOC3 (3.2)
KCTD6 (2.7)	SEC14L4 (2.6)	TRPS1 (2.5)	NEUROD2 (2.2)	CELSR2 (2.2)
LILRB2 (2.5)	DPEP2 (2.3)	GPAM (2.2)	AFF1 (2.2)	KIAA0895L (2.2)
ZNF408 (3.3)	NCOA5 (3.1)	INTS10 (3.1)	EDC4 (3.0)	MED1 (3.0)
CCDC18 (4.7)	FEN1 (4.2)	MPHOSPH9 (3.9)	CENPT (3.7)	WDR76 (3.0)
TRPS1 (2.4)	EXOC3L1 (2.3)	NRBF2 (2.1)	ZNF615 (2.1)	C16orf86 (2.0)
KPNB1 (3.7)	NCOA5 (2.6)	LSM12 (2.6)	BAZ1B (2.6)	CELF1 (2.4)
EXOC3L1 (2.7)	TBKBP1 (2.5)	CD300LG (2.4)	CYP2W1 (2.4)	GPR146 (2.2)
PACSIN3 (2.1)	LILRA3 (2.1)	CX3CL1 (2.0)	FHOD1 (1.8)	SLC12A4 (1.8)
HERPUD1 (2.8)	RANBP10 (2.8)	ZFAND2A (2.7)	SEC14L4 (2.7)	HARBI1 (2.5)
EYA3 (3.2)	RBPJ (3.0)	MED1 (3.0)	FBXL20 (2.8)	MAFF (2.6)
MT1E (1.9)	FBXL20 (1.8)	FNBP4 (1.7)	RNF214 (1.6)	RAPSN (1.6)
ESRP2 (4.4)	MST1R (3.5)	PVRL2 (3.5)	ELMO3 (3.0)	ERBB2 (3.0)
C1orf172 (2.8)	ELMO3 (2.7)	MVK (2.7)	PTPRZ1 (2.6)	CELSR2 (2.1)
TTC39B (2.1)	TSNAXIP1 (2.1)	CCL22 (2.0)	RLTPR (2.0)	ZNF614 (1.8)
ZNF615 (2.9)	PACSIN3 (2.8)	CCDC116 (2.8)	MTMR3 (2.6)	DDX28 (2.5)
C16orf48 (2.4)	ENSG00000179523 (2	BCL3 (2.3)	LIPC (2.3)	SLC39A13 (2.2)
ZDHHC18 (2.4)	STRC (2.3)	PTPRJ (2.3)	EYA3 (2.2)	TBKBP1 (2.1)

MTCH2 (2.8)	ARFGAP2 (2.5)	CCNDBP1 (2.4)	KCTD6 (2.4)	NDUFS3 (2.3)
APOA4 (3.2)	OR5J2 (3.1)	OR5L2 (2.8)	APOC4 (2.6)	MT1E (2.6)
TRADD (2.9)	CBFB (2.5)	HCAR1 (2.5)	ZDHHC18 (2.4)	UVRAG (2.3)
KLF14 (2.7)	ERBB2 (2.6)	AMFR (2.4)	CX3CL1 (2.2)	GRB7 (2.1)
ABCA1 (3.4)	RELB (3.3)	CETP (3.1)	APOC1 (3.0)	PLA2G15 (2.8)
GPER (2.6)	SIDT2 (2.6)	PPP1R1B (2.4)	PVRL2 (2.3)	CLPTM1 (2.3)
TP53BP1 (2.3)	MAFF (2.3)	MON1A (2.0)	ENSG00000254235 (1	CD40 (1.9)
ENSG00000226645 (2	PDE3A (2.7)	ENSG00000229043 (2	GPIHBP1 (2.6)	OR5J2 (2.4)
CENPT (4.3)	CCDC18 (3.9)	FEN1 (3.8)	MPHOSPH9 (3.2)	KPNB1 (2.8)
HCAR1 (2.8)	SLC12A3 (2.6)	CELSR2 (2.5)	GRB7 (2.4)	ABCB9 (2.4)
RLTPR (2.0)	CSGALNACT1 (1.9)	PXK (1.9)	PGAP3 (1.9)	ZNF613 (1.9)
OGFOD1 (2.6)	ENSG00000255507 (2	TRADD (2.4)	PSMC3 (2.4)	PPIP5K1 (2.4)
CTRL (2.5)	CASC4 (2.4)	KCTD19 (2.1)	CSGALNACT1 (1.9)	HNF1A (1.9)
PDIA3 (2.7)	ZNF613 (2.3)	LCAT (2.2)	COQ9 (2.2)	MTCH2 (2.2)
ST3GAL4 (2.4)	SCARB1 (2.4)	HSF4 (2.3)	DDX28 (2.0)	SPRYD5 (1.9)
BCAM (3.2)	RSPO3 (2.8)	DOCK6 (2.7)	KCTD10 (2.6)	FHOD1 (2.6)
ARID1A (2.9)	DR1 (2.8)	OR5J2 (2.6)	RNF214 (2.6)	CXXC1 (2.4)
ARID1A (2.9)	DR1 (2.8)	OR5J2 (2.6)	RNF214 (2.6)	CXXC1 (2.4)
SPRYD5 (2.5)	REEP3 (2.5)	ATG13 (2.5)	APOE (2.4)	GLUL (2.4)
OR5J2 (3.0)	GPR146 (2.6)	RAPSN (2.4)	C7orf50 (2.2)	SLC39A13 (2.2)
ZNF335 (2.8)	ZNF408 (2.6)	BUD13 (2.5)	MBD1 (2.5)	SLC7A6OS (2.3)
HARBI1 (2.9)	PACSIN3 (2.9)	MTMR3 (2.9)	ZSCAN29 (2.8)	ZNF615 (2.6)
PAFAH1B2 (2.9)	MPHOSPH9 (2.5)	CKAP5 (2.5)	TTC39B (2.5)	CPNE2 (2.4)
PGS1 (2.5)	CYP2W1 (2.5)	MAFF (2.5)	CCL17 (2.3)	ANGPTL4 (2.3)
MPHOSPH9 (2.9)	DCPS (2.8)	BAZ1B (2.7)	KANK2 (2.6)	KPNB1 (2.6)
ABCA8 (3.0)	ENSG00000256746 (2	MMAB (2.5)	FADS2 (2.4)	PNMT (2.4)
NUTF2 (2.6)	MAFF (2.6)	PSMC3 (2.5)	FNBP4 (2.4)	SKA1 (2.4)
TBL2 (3.1)	ZNF259 (3.1)	TMEM208 (2.9)	PRMT7 (2.8)	POLR2C (2.8)
OASL (2.8)	CCL22 (2.5)	CD40 (2.5)	TRADD (2.4)	GPR146 (2.1)
TAGLN (2.9)	VEGFA (2.8)	KANK2 (2.8)	PVRL2 (2.3)	CD300LG (2.3)
ARFGAP2 (2.6)	ZFAND2A (2.5)	PSMC3 (2.5)	ZNF664 (2.3)	UBE2L3 (2.3)
ZNF614 (2.9)	CCDC116 (2.8)	HARBI1 (2.7)	MTMR3 (2.7)	ZNF615 (2.6)
SBNO1 (2.7)	CITED2 (2.4)	NUP93 (2.4)	CKAP5 (2.3)	MACF1 (2.3)
NR0B2 (2.2)	APOB (2.1)	ABCA8 (2.0)	ZFAND2A (2.0)	APOA4 (1.9)
RANBP10 (2.1)	PLA2G15 (2.0)	CCNDBP1 (2.0)	MT1H (2.0)	KCTD6 (2.0)
KPNB1 (3.9)	MPHOSPH9 (3.5)	FEN1 (3.4)	CCDC18 (3.3)	CENPT (3.2)
RSPO3 (2.2)	DNAH10 (2.1)	ACAA2 (2.1)	HNF4A (2.0)	PYY (1.9)
HNF1A (2.6)	OR4A21P (2.6)	MLXIPL (2.5)	CYP2W1 (2.5)	GPER (2.3)
MVK (2.9)	FADS1 (2.8)	FADS2 (2.7)	PTPRZ1 (2.7)	KIAA0754 (2.5)
ST3GAL4 (3.4)	SOST (3.1)	PTPRJ (2.7)	CITED2 (2.3)	HCAR1 (2.3)
NUP93 (2.9)	PRMT7 (2.8)	CTDSPL2 (2.7)	CKAP5 (2.7)	LCMT2 (2.7)
OASL (2.9)	FAM192A (2.9)	NRBF2 (2.8)	GPN2 (2.7)	DR1 (2.7)
LCAT (2.8)	C16orf86 (2.7)	C1orf172 (2.7)	CDK12 (2.7)	MIEN1 (2.6)
MYO5B (3.1)	BCAM (2.6)	C1orf172 (2.2)	ELMO3 (2.1)	GRB7 (2.1)
PTPRJ (2.5)	ZFAND2A (2.1)	CITED2 (2.0)	DYM (2.0)	MYO1H (2.0)
NR0B2 (3.2)	CCNDBP1 (3.2)	ATG13 (2.8)	FBXL20 (2.7)	GPR146 (2.5)
C16orf70 (2.5)	TNKS (2.3)	ENSG00000179523 (2	ZNF664 (2.1)	PACSIN3 (2.1)
MADD (3.2)	LPL (3.2)	GPIHBP1 (3.2)	RSPO3 (3.1)	KLF14 (2.5)
PITPNM2 (2.3)	JMJD1C (2.2)	OR5J2 (2.2)	TRPS1 (2.2)	LRP4 (2.2)
PPIP5K1 (2.6)	MTCH2 (2.6)	PRMT7 (2.4)	SLC12A4 (2.4)	TBL2 (2.4)

HARBI1 (3.1)	PACSIN3 (2.9)	ARID1A (2.8)	MACF1 (2.7)	ARFGAP2 (2.7)
MVK (2.4)	GPIHBP1 (2.4)	ENSG00000229043 (2	LPL (2.0)	POLR2C (2.0)
NCOA5 (3.5)	NUP93 (3.4)	OGFOD1 (3.4)	INTS10 (3.4)	POLR2C (3.3)
SOST (2.3)	LRP4 (2.1)	UVRAG (2.1)	ENSG00000229043 (2	CCDC116 (1.9)
STRC (2.5)	ZFAND2A (2.5)	MT1F (2.4)	NOL3 (2.3)	MBD1 (2.3)
BUD13 (3.6)	RBM5 (3.0)	UBE2L3 (3.0)	KBTBD4 (3.0)	NCOA5 (2.8)
FHOD1 (2.2)	TMEM175 (2.2)	KCTD6 (2.1)	BCL7B (2.0)	MTF2 (2.0)
MACF1 (2.7)	C16orf48 (2.4)	RBPJ (2.4)	CYP2W1 (2.3)	DOCK6 (2.2)
BAZ1B (2.7)	MAFF (2.6)	VEGFA (2.4)	MBD1 (2.3)	CX3CL1 (2.2)
MST1R (4.5)	GRB7 (3.7)	SFN (3.4)	MYO5B (3.2)	CMIP (2.3)
PSKH1 (2.3)	COQ9 (2.3)	TOMM40 (2.2)	SDF2L1 (2.1)	ARFGAP2 (2.1)
UBR1 (2.6)	TMEM175 (2.4)	PPIP5K1 (2.3)	SPI1 (2.2)	IGF2R (2.2)
UBR1 (2.6)	TMEM175 (2.4)	PPIP5K1 (2.3)	SPI1 (2.2)	IGF2R (2.2)
CD36 (2.8)	NAGS (2.0)	NOL3 (1.9)	MT1H (1.9)	MT1M (1.8)
TBKBP1 (2.6)	RNF214 (2.5)	ZDHHC18 (2.4)	PDE3A (2.4)	PPIP5K1 (2.4)
SLC12A4 (3.2)	DUSP3 (3.0)	ERBB2 (2.9)	MACF1 (2.7)	MYBPC3 (2.7)
MST1R (4.7)	MYO5B (3.8)	GRB7 (3.6)	ERBB2 (3.6)	SFN (3.2)
SETD8 (2.8)	PTPRJ (2.8)	PSKH1 (2.6)	RELB (2.5)	AFF1 (2.4)
DPEP3 (2.3)	XKR8 (2.3)	PNMT (2.2)	LIPG (2.1)	FZD9 (2.0)
ARHGAP1 (3.1)	B3GNT9 (3.0)	HARBI1 (2.9)	HERPUD1 (2.8)	CKAP5 (2.5)
FADS1 (3.4)	PDIA3 (3.4)	FADS2 (3.3)	HERPUD1 (3.1)	TMEM208 (2.9)
PXK (2.2)	XKR8 (2.2)	NAGS (2.0)	C17orf105 (2.0)	ENSG00000179523 (2
CSGALNACT1 (2.2)	CTRL (2.2)	PDE3A (2.0)	BCL7B (2.0)	TRPS1 (1.9)
DPEP2 (2.7)	SNX10 (2.4)	ZSCAN29 (2.3)	PLA2G15 (2.2)	RLTPR (2.2)
PDHB (2.5)	CKAP5 (2.4)	TP53BP1 (2.3)	PLEKHG4 (2.2)	NUP93 (2.2)
CCDC92 (2.2)	KCTD10 (2.1)	LIPG (2.1)	SLC7A6 (2.1)	CD300LG (2.1)
BCL7B (2.9)	PVRL2 (2.9)	PCIF1 (2.7)	ZNF613 (2.6)	TUBGCP4 (2.5)
MYBPC3 (3.1)	PDHB (2.8)	C12orf43 (2.7)	PSMC3 (2.5)	SNORD58C (2.3)
CD300LG (3.3)	CSGALNACT1 (2.9)	PDE3A (2.7)	ENSG00000226645 (2	ZSCAN29 (2.4)
TBL2 (3.3)	LSM12 (3.3)	CLPTM1 (2.8)	PPP1R1B (2.5)	AMFR (2.3)
SEC14L4 (2.6)	GRB7 (2.6)	C16orf70 (2.5)	KCTD6 (2.4)	ERBB2 (2.4)
MACF1 (2.5)	PDIA3 (2.4)	MTCH2 (2.4)	KPNB1 (2.4)	KIAA0895L (2.4)
APOC1 (2.3)	SPI1 (2.2)	DDB2 (2.2)	CCDC116 (2.2)	AFF1 (2.1)
EXOC3L1 (3.0)	APOC1 (2.6)	PPP1R1B (2.6)	GPAM (2.2)	GLUL (2.1)
PTPRJ (2.7)	KANK2 (2.4)	CX3CL1 (2.4)	GALNT2 (2.4)	SFN (1.9)
DUS2L (2.5)	DDX28 (2.5)	CXXC1 (2.5)	TUBGCP4 (2.5)	YDJC (2.5)
ST3GAL4 (2.2)	CCDC116 (2.2)	SEC14L4 (2.1)	MT1M (2.1)	GLUL (2.0)
PLG (3.7)	APOA5 (3.6)	CPS1 (3.3)	NAGS (3.2)	APOC3 (2.7)
MST1R (2.7)	GPAM (2.6)	PLA2G6 (2.6)	PVRL2 (2.4)	SLC12A4 (2.4)
LPL (2.5)	LILRB2 (2.3)	NR1H3 (2.2)	LSM12 (2.1)	ETV5 (2.1)
ELMO3 (3.7)	ESRP2 (3.0)	PTPRZ1 (2.8)	TGM5 (2.6)	C17orf57 (2.3)
CENPT (2.7)	SFN (2.7)	TMEM175 (2.7)	MPHOSPH9 (2.6)	CCDC116 (2.4)
CETP (3.3)	ZDHHC18 (2.8)	CD40 (2.8)	BMP8A (2.7)	PCSK7 (2.2)
NFATC3 (2.3)	ZNF335 (2.3)	UVRAG (2.2)	MACF1 (2.1)	JMJD1C (2.1)
COBLL1 (2.3)	XKR8 (2.2)	JMJD1C (2.2)	MTMR3 (2.1)	ZNF350 (2.0)
DPEP2 (2.8)	XKR8 (2.7)	LILRB2 (2.6)	STRC (2.5)	CATSPER2 (2.5)
ZDHHC18 (2.5)	KBTBD4 (2.4)	ST3GAL4 (2.3)	GFOD2 (2.2)	XKR8 (2.2)
MACF1 (3.0)	DDX28 (2.8)	MTMR3 (2.8)	BAZ1B (2.8)	HARBI1 (2.7)
CD40 (4.9)	BCL3 (3.6)	RELB (3.3)	SNX10 (2.8)	CX3CL1 (2.6)
OR4A21P (2.2)	CITED2 (2.0)	NRBF2 (2.0)	CPNE2 (1.9)	GALNT2 (1.8)

PDHB (3.3)	C16orf70 (3.0)	DDX28 (2.9)	OR5I1 (2.7)	CIAPIN1 (2.6)
KANK2 (2.7)	RSPO3 (2.5)	DOK4 (2.4)	PVRL2 (2.3)	DOCK6 (2.3)
CITED2 (2.8)	MVK (2.6)	UBE3B (2.5)	AMBRA1 (2.4)	PACSIN3 (2.3)
NLRC5 (2.2)	RLTPR (2.2)	SNX10 (2.2)	PCSK7 (2.1)	APOE (2.0)
CKAP5 (3.6)	MED1 (3.6)	BAZ1B (3.4)	CDK12 (3.1)	NFATC3 (2.9)
EDC4 (3.0)	ACD (2.8)	TMEM208 (2.8)	CTDSPL2 (2.7)	THAP11 (2.6)
EDC4 (3.0)	ACD (2.8)	TMEM208 (2.8)	CTDSPL2 (2.7)	THAP11 (2.6)
SPI1 (2.1)	RAB11B (2.1)	BCL3 (2.1)	HCAR1 (2.0)	ABCA1 (1.7)
NCOA5 (2.7)	BCL3 (2.6)	TRADD (2.5)	BCL7B (2.5)	AFF1 (2.2)
PCIF1 (3.6)	FAM192A (3.2)	BUD13 (3.1)	POLR2C (3.1)	MFAP1 (3.0)
CPNE2 (2.4)	DR1 (2.3)	SIK3 (2.2)	RLTPR (2.2)	FBXL20 (2.0)
TRPS1 (2.6)	CMIP (2.5)	CELSR2 (2.4)	ZNF335 (2.3)	ACD (2.2)
BCAM (3.9)	SLC12A4 (3.5)	TAGLN (2.9)	PACSIN3 (2.8)	KANK2 (2.6)
CELSR2 (2.5)	PPP1R1B (2.5)	PTPRZ1 (2.4)	RSPO3 (2.2)	ERBB2 (2.0)
TOMM40 (2.8)	SNORD58C (2.4)	OGFOD1 (2.4)	ANGPTL4 (2.2)	PTPMT1 (2.0)
C11orf9 (2.7)	PACSIN3 (2.6)	KCTD10 (2.5)	HDAC5 (2.5)	GNAO1 (2.4)
MPHOSPH9 (3.7)	CCDC18 (3.3)	UBE3B (3.0)	FEN1 (2.6)	CKAP5 (2.6)
NEUROD2 (2.4)	UVRAG (2.4)	TBKBP1 (2.4)	C7orf50 (2.3)	CMIP (2.1)
RAPSN (3.2)	FZD9 (2.6)	NOL3 (2.1)	ANGPTL4 (2.1)	ZFAND2A (2.1)
PRMT7 (4.0)	UBE3B (4.0)	FAM192A (3.8)	TRADD (3.6)	RANBP10 (3.6)
PTPRJ (2.2)	TAGLN (2.2)	MACF1 (2.0)	LILRA3 (1.8)	MTMR3 (1.8)
BCAM (2.8)	ZNF664 (2.6)	MACF1 (2.6)	SDF2L1 (2.4)	ELMO3 (2.3)
ABCA8 (2.7)	ZNF613 (2.7)	DNAH10 (2.7)	CASC4 (2.7)	ENSG00000247867 (2
RBM6 (3.1)	EDC4 (3.1)	KPNB1 (2.8)	UBE2L3 (2.8)	NUP93 (2.8)
TTC39B (2.1)	LILRA3 (2.1)	CD40 (2.1)	ZDHHC18 (2.0)	MFAP1 (1.9)
SLC7A6 (2.6)	JMJD1C (2.6)	GLUL (2.3)	TMEM101 (2.3)	LIPG (2.1)
CITED2 (3.2)	MAFF (2.4)	LRRC29 (2.3)	C17orf105 (2.1)	PSKH1 (2.1)
SIK3 (2.4)	ARID1A (2.4)	MACF1 (2.3)	NFATC3 (2.3)	BCL3 (2.3)
ARID1A (2.9)	RELB (2.4)	FHOD1 (2.3)	PPY (2.3)	NFATC3 (2.2)
CD300LG (3.7)	CSGALNACT1 (2.7)	PDE3A (2.7)	LRRC29 (2.6)	ENSG00000229043 (2
SLC7A6OS (3.5)	LCMT2 (3.4)	AMBRA1 (3.3)	PCIF1 (3.2)	MFAP1 (2.7)
MACF1 (3.2)	BAZ1B (3.0)	SBNO1 (2.8)	AFF1 (2.8)	HDAC5 (2.8)
PSMC3 (3.3)	FADS2 (2.7)	ZNF259 (2.6)	VEGFA (2.6)	MMAB (2.5)
NRBF2 (3.6)	RSPRY1 (3.4)	SLC7A6OS (3.3)	MIEN1 (3.2)	PGAP3 (3.1)
OGFOD1 (2.9)	POLR2C (2.7)	NUP93 (2.6)	EIF3J (2.6)	DCPS (2.5)
ESRP2 (4.0)	ELMO3 (3.9)	MYO5B (2.9)	TRNP1 (2.7)	PVRL2 (2.6)
POLR2C (3.3)	NUP93 (3.3)	ACD (3.2)	INTS10 (3.0)	SLC7A6OS (3.0)
SLC12A3 (3.2)	NAGS (3.1)	SEC14L4 (3.1)	PNMT (2.9)	ENSG00000254235 (2
COX19 (2.6)	FAM192A (2.6)	BUD13 (2.5)	HARBI1 (2.4)	POLR2C (2.3)
SNX10 (1.9)	RLTPR (1.8)	CD40 (1.8)	ENSG00000254235 (1	PSMB10 (1.8)
LPL (2.9)	NR0B2 (2.6)	MT1M (2.3)	PDE3A (2.2)	CSGALNACT1 (2.2)
KLF14 (2.4)	FPR3 (1.9)	LILRA3 (1.9)	MPHOSPH9 (1.8)	MT1X (1.8)
ENSG00000223745 (2	KIAA0754 (2.6)	ENSG00000247445 (2	ACP2 (2.5)	CLPTM1 (2.5)
C17orf105 (2.3)	ENSG00000223745 (2	LILRB2 (2.1)	SEC14L4 (2.1)	APOC3 (2.1)
DUSP3 (3.0)	MADD (2.9)	SPRYD5 (2.7)	CMIP (2.7)	MAP1A (2.6)
HARBI1 (2.3)	EYA3 (2.3)	THAP11 (2.3)	XKR8 (2.0)	SPRYD5 (2.0)
RBM5 (3.7)	RNF214 (3.3)	THAP11 (3.2)	CELF1 (3.0)	MADD (2.9)
RBM5 (3.7)	RNF214 (3.3)	THAP11 (3.2)	CELF1 (3.0)	MADD (2.9)
NLRC5 (3.7)	LILRB2 (3.5)	NR1H3 (2.7)	LILRA3 (2.5)	CD40 (2.5)
TRPS1 (1.9)	ETV5 (1.9)	PLTP (1.8)	APOE (1.8)	ABCA1 (1.8)

LCMT2 (3.1)	BUD13 (3.0)	AMBRA1 (3.0)	MTMR3 (2.9)	ZSCAN29 (2.7)
CCDC18 (4.5)	FEN1 (4.3)	MPHOSPH9 (4.1)	CENPT (3.8)	WDR76 (3.1)
NUTF2 (2.9)	ENSG00000226334 (2	NCOA5 (2.1)	LCMT2 (2.1)	KPNB1 (2.1)
HDAC5 (2.8)	ARID1A (2.5)	SETD8 (2.4)	SIK3 (2.4)	PCIF1 (2.3)
ABCA8 (4.4)	LPA (4.0)	PNMT (3.8)	NAGS (3.7)	APOA5 (3.6)
C18orf32 (2.9)	CLPTM1 (2.6)	EDC4 (2.5)	SLC39A13 (2.5)	CCNDBP1 (2.5)
TMEM208 (3.1)	HERPUD1 (3.1)	B3GNT9 (3.0)	TBL2 (2.9)	NDUFS3 (2.8)
AMFR (2.5)	ELMO3 (2.5)	ENSG00000223745 (2	MST1R (2.4)	G6PC3 (2.4)
DOCK6 (2.8)	KIAA0754 (2.7)	FHOD1 (2.5)	FPR3 (2.3)	LCAT (2.3)
CD40 (3.6)	PTPRJ (3.1)	PCIF1 (2.8)	UVRAG (2.7)	ZDHHC18 (2.6)
SIK3 (2.8)	MST1R (2.6)	SOST (2.5)	C1orf172 (2.5)	ENSG00000229043 (2
MST1R (4.4)	SFN (3.9)	MYO5B (3.7)	GRB7 (2.9)	ERBB2 (2.6)
CETP (2.7)	KIAA0754 (2.4)	EXOC3L1 (2.3)	C11orf9 (2.2)	DOCK6 (2.2)
RSPO3 (2.7)	CCDC18 (2.5)	C11orf49 (2.3)	TP53BP1 (2.2)	TMEM101 (2.2)
NUTF2 (2.9)	ZNF259 (2.8)	MTCH2 (2.7)	UBE2L3 (2.7)	ZFAND2A (2.5)
HERPUD1 (2.7)	CELSR2 (2.6)	BCAM (2.4)	C18orf32 (2.4)	C1QTNF4 (2.2)
DOCK6 (2.9)	SCARB1 (2.7)	ARHGAP1 (2.6)	MACF1 (2.5)	KCTD10 (2.1)
DUSP3 (2.3)	CSGALNACT1 (2.2)	CETP (2.2)	BCL7B (2.2)	SLC9A5 (2.1)
FADS1 (11.0)	LIPG (5.8)	SCARB1 (3.7)	CES4A (2.2)	ACAA2 (2.2)
MST1R (4.5)	SFN (3.8)	MYO5B (3.7)	GRB7 (3.0)	ERBB2 (2.8)
XKR8 (2.2)	GPR146 (2.1)	CCL17 (1.9)	ZDHHC18 (1.9)	UBR1 (1.8)
GRB7 (2.6)	SLC12A4 (2.5)	MST1R (2.5)	PLG (2.5)	MACF1 (2.4)
NCOA5 (2.8)	OASL (2.5)	CELF1 (2.3)	PDIA3 (2.2)	HERPUD1 (2.2)
MPP3 (2.6)	C12orf65 (2.5)	PTPRJ (2.4)	CPNE2 (2.3)	ARHGAP1 (2.3)
DUS2L (3.0)	SLC7A6OS (3.0)	ACD (2.9)	RSPRY1 (2.9)	RANBP10 (2.8)
KIAA0895L (2.6)	LILRA3 (2.4)	UVRAG (2.3)	CD300LG (1.8)	NFATC3 (1.8)
CX3CL1 (2.6)	MAFF (2.5)	BCL3 (2.2)	OR5J2 (2.0)	OR4A21P (2.0)
SCARB1 (3.0)	ENSG00000255507 (2	GALNT2 (2.7)	HCAR1 (2.5)	GPAM (2.3)
TOMM40 (2.8)	EIF3J (2.7)	CXXC1 (2.6)	MON1A (2.5)	SBNO1 (2.5)
MT1M (2.5)	MMAB (2.0)	ENSG00000256746 (2	BACE1 (1.9)	REEP3 (1.8)
PTPRJ (3.4)	ZDHHC18 (2.6)	LILRA3 (2.6)	ENSG00000236267 (2	BCL3 (2.2)
SPRYD5 (2.3)	TTBK2 (2.3)	CATSPER2 (2.3)	OASL (2.2)	PGAP3 (1.9)
DUSP3 (2.3)	KLHL8 (2.3)	DGKG (2.2)	PARD6A (2.1)	PCSK7 (2.0)
CPNE2 (2.5)	DR1 (2.3)	SIK3 (2.2)	RLTPR (2.1)	FBXL20 (2.0)
NCOA5 (2.5)	JMJD1C (2.3)	CELSR2 (2.3)	GPER (2.2)	RBM5 (2.2)
CSGALNACT1 (2.4)	NFATC3 (2.4)	LRP4 (2.4)	IGF2R (2.4)	SOST (2.3)
PLA2G6 (1.8)	OR5J2 (1.8)	SOST (1.8)	SNX13 (1.8)	YDJC (1.8)
LILRA3 (2.9)	SPI1 (2.8)	C17orf57 (2.7)	RLTPR (2.6)	UVRAG (2.4)
MST1R (4.4)	SFN (3.5)	GRB7 (3.4)	ERBB2 (2.9)	CELSR2 (2.8)
PSMB10 (2.9)	MTCH2 (2.7)	NDUFS3 (2.6)	C18orf32 (2.6)	FAM192A (2.5)
MLXIPL (2.6)	GPER (2.3)	HNF1A (2.3)	ENSG00000181123 (2	CYP2W1 (2.1)
MLXIPL (2.6)	GPER (2.3)	HNF1A (2.3)	ENSG00000181123 (2	CYP2W1 (2.1)
TP53BP1 (3.1)	KPNB1 (3.0)	UBR1 (2.7)	RANBP10 (2.6)	CELF1 (2.6)
ABCA1 (2.0)	LPL (2.0)	KLF14 (1.9)	CPNE2 (1.9)	CCL22 (1.8)
TGM5 (2.6)	TRPS1 (2.2)	HSF4 (2.1)	STRC (2.1)	SLC9A5 (2.0)
KIAA0895L (3.0)	LILRA3 (2.9)	TRADD (2.7)	CIAPIN1 (2.6)	LPL (2.4)
OASL (2.4)	KIAA0754 (2.3)	MPHOSPH9 (2.2)	MST1R (2.1)	CX3CL1 (2.0)
SPI1 (2.3)	NFATC3 (2.2)	SNX10 (2.2)	FPR3 (2.0)	ZDHHC18 (1.8)
TRPS1 (2.4)	APOB (2.4)	EYA3 (2.4)	RBM5 (2.1)	HNF4A (2.0)
SMPD3 (2.8)	MTMR3 (2.5)	LRP4 (2.5)	DOK4 (2.1)	C1QTNF4 (2.1)

GPAM (2.4)	CCDC11 (2.4)	LPA (2.1)	OR5L2 (2.0)	OR4A1P (1.9)
CDK12 (3.2)	SLC7A6OS (3.2)	TMEM208 (3.1)	NRBF2 (3.0)	MTF2 (2.9)
LPA (2.6)	ZDHHC18 (2.4)	ZNF614 (2.3)	CETP (2.3)	NLRC5 (2.3)
VEGFA (2.6)	AFF1 (2.6)	GPAM (2.5)	CTRL (2.3)	GPER (2.3)
SPG11 (3.0)	ENSG00000247445 (2	MTMR3 (2.7)	PTPRJ (2.6)	KLHL8 (2.6)
TBL2 (3.0)	AFF1 (2.3)	CKAP5 (2.2)	NRBF2 (2.1)	FEN1 (2.1)
TBL2 (2.5)	BCAM (2.5)	CELSR2 (2.4)	C18orf32 (2.3)	KCTD6 (2.1)
B3GNT9 (2.5)	ABCA8 (2.5)	PLA2G15 (2.4)	OR4A21P (2.3)	ABCA1 (2.3)
DNAH10 (2.6)	STRC (2.3)	LIPG (2.3)	SLC12A4 (2.2)	ZSCAN29 (2.2)
RNF214 (2.7)	RSPO3 (2.6)	PCIF1 (2.4)	C1orf172 (2.4)	ENSG00000226645 (2
MT1X (2.3)	BUD13 (2.1)	TOMM40 (2.1)	NOL3 (2.0)	MT1G (2.0)
CMIP (2.4)	SPI1 (2.3)	JMJD1C (2.1)	TBKBP1 (2.0)	CCDC116 (1.9)
FBXL20 (2.5)	MTMR3 (2.1)	TNKS (2.1)	PCIF1 (2.0)	KANK2 (1.9)
PSKH1 (2.2)	GALNT2 (2.0)	TRPS1 (1.9)	LRP4 (1.9)	C17orf57 (1.9)
GPIHBP1 (2.7)	CD300LG (2.7)	FADS2 (2.7)	ANGPTL4 (2.6)	ADAL (2.4)
GPIHBP1 (2.7)	CD300LG (2.7)	FADS2 (2.7)	ANGPTL4 (2.6)	ADAL (2.4)
RBM5 (2.1)	EDC4 (2.0)	IGF2R (2.0)	BCL3 (2.0)	JMJD1C (2.0)
JMJD1C (2.6)	AFF1 (2.5)	PITPNM2 (2.5)	CBFB (2.4)	SLC7A6 (2.3)
ENSG00000181296 (2	NR0B2 (2.2)	ABCB9 (2.2)	C1QTNF4 (2.1)	CD36 (2.0)
CSGALNACT1 (2.6)	NFATC3 (2.5)	ARID1A (2.4)	BCL3 (2.4)	SETD8 (2.3)
CSGALNACT1 (2.6)	NFATC3 (2.5)	ARID1A (2.4)	BCL3 (2.4)	SETD8 (2.3)
ENSG00000179523 (2	CTDSPL2 (2.4)	PLA2G6 (2.4)	UBE2L3 (2.4)	TUBGCP4 (2.3)
CTDSPL2 (2.5)	PCSK7 (2.5)	MYBPC3 (2.4)	PCIF1 (2.4)	ZNF613 (2.3)
ERBB2 (2.5)	NPEPPS (2.5)	CITED2 (2.4)	ACD (2.2)	ESRP2 (2.1)
CCL17 (3.6)	CCL22 (3.5)	CX3CL1 (3.5)	MAFF (3.3)	PSMB10 (3.0)
CCL17 (3.6)	CCL22 (3.5)	CX3CL1 (3.5)	MAFF (3.3)	PSMB10 (3.0)
ACAA2 (2.3)	NR0B2 (2.2)	NR1H3 (2.1)	MT1E (2.1)	CD36 (2.0)
INTS10 (2.9)	KBTBD4 (2.7)	CSGALNACT1 (2.6)	TMEM175 (2.6)	ENSG00000247867 (2
CX3CL1 (2.2)	CYP2W1 (2.1)	CETP (2.0)	ENSG00000181123 (1	ABCA1 (1.9)
PTPMT1 (3.2)	PDHB (2.9)	MVK (2.9)	DUS2L (2.9)	COQ9 (2.8)
CCDC11 (2.9)	CES4A (2.9)	GPIHBP1 (2.6)	MYO1H (2.6)	ENSG00000247867 (2
OASL (3.1)	RAPSN (2.8)	IGF2R (2.6)	PPP1R1B (2.4)	BCAM (2.2)
ACP2 (2.5)	ABHD6 (2.3)	C16orf86 (2.1)	GPER (1.9)	FPR3 (1.9)
ZDHHC18 (3.1)	RLTPR (3.1)	BCL3 (2.9)	PTPRJ (2.8)	SIDT2 (2.8)
C1orf172 (2.4)	CYP26A1 (2.3)	ERBB2 (2.3)	DOCK6 (2.2)	OR5J2 (2.1)
CPS1 (4.6)	APOA5 (3.8)	APOC3 (3.8)	NAGS (3.4)	PLG (3.3)
ABCA8 (2.7)	ZNF615 (2.6)	SIK3 (2.5)	SPRYD5 (2.4)	PITPNM2 (2.3)
THAP11 (3.0)	BAZ1B (2.9)	HDAC5 (2.5)	ARID1A (2.4)	CELF1 (2.3)
UBR1 (2.6)	C17orf57 (2.3)	SIDT2 (2.2)	ARHGAP1 (2.2)	PLA2G15 (2.2)
PGS1 (2.8)	CCL22 (2.3)	OR5L2 (2.3)	OR5I1 (2.3)	PSMB10 (2.2)
INTS10 (3.5)	MTF2 (3.0)	RSPRY1 (3.0)	ENSG00000223745 (3	BUD13 (2.8)
KANK2 (2.6)	NR0B2 (2.5)	GPAM (2.4)	DGAT2 (2.4)	ST3GAL4 (2.2)
SLC12A4 (2.7)	MST1R (2.7)	OR5J2 (2.5)	BCAM (2.5)	HSF4 (2.4)
TMEM208 (2.7)	C18orf32 (2.6)	CLPTM1 (2.6)	DR1 (2.6)	TMEM101 (2.6)
GRB7 (4.0)	CDK12 (3.4)	AMBRA1 (2.8)	BACE1 (2.7)	CCDC92 (2.6)
BUD13 (3.0)	BAZ1B (2.7)	TRIB1 (2.6)	CMIP (2.5)	NFATC3 (2.1)
NRBF2 (3.1)	PVRL2 (2.8)	VEGFA (2.8)	APOA4 (2.8)	PARD6A (2.7)
SFN (4.6)	MST1R (4.3)	GRB7 (3.0)	MYO5B (2.9)	CELSR2 (2.3)
CELF1 (3.5)	MTF2 (3.3)	CBFB (3.1)	BUD13 (2.5)	ENSG00000182109 (2
CELF1 (3.5)	MTF2 (3.3)	CBFB (3.1)	BUD13 (2.5)	ENSG00000182109 (2

AMFR (3.3)	SLC9A5 (3.1)	BBS2 (3.1)	E2F4 (3.0)	NUP93 (2.8)
ATG13 (2.5)	PARD6A (2.5)	CLPTM1 (2.3)	GPR146 (2.2)	CXXC1 (2.1)
BCL3 (3.7)	PSMB10 (3.5)	ZDHHC18 (3.4)	RELB (3.1)	SPI1 (3.0)
ZNF613 (6.8)	ZNF408 (2.5)	LCMT2 (2.5)	HARBI1 (1.8)	ZSCAN29 (1.7)
SKA1 (2.6)	DDB2 (2.5)	NFATC3 (2.4)	HDAC5 (2.2)	KPNB1 (2.2)
PGAP3 (3.1)	TMEM101 (3.0)	TMEM208 (2.7)	FBXL20 (2.7)	ZNF335 (2.6)
BCL3 (4.1)	FNBP4 (2.8)	TRADD (2.6)	CD40 (2.6)	UVRAG (2.2)
CES4A (2.5)	SIDT2 (2.5)	ZDHHC18 (2.4)	IGF2R (2.3)	ATG13 (2.3)
NPEPPS (3.1)	ARID1A (3.0)	NFATC3 (2.7)	LSM12 (2.7)	KLHL8 (2.6)
NFATC3 (2.9)	AFF1 (2.7)	PITPNM2 (2.7)	ARID1A (2.7)	ZDHHC18 (2.6)
ATG13 (4.0)	ZFAND2A (3.9)	TMED5 (3.7)	ARFGAP2 (3.4)	GALNT2 (2.9)
CKAP5 (4.2)	FEN1 (4.1)	CENPT (3.3)	MPHOSPH9 (3.0)	WDR76 (2.8)
ACP2 (2.9)	TMEM62 (2.8)	REEP3 (2.7)	SLC22A1 (2.5)	C18orf32 (2.4)
LILRB2 (2.4)	TRPS1 (2.3)	C12orf65 (2.2)	KCTD6 (2.2)	EXOC3L1 (2.1)
CTDSPL2 (2.9)	EDC4 (2.9)	TMEM208 (2.8)	ZNF408 (2.8)	ACD (2.8)
CTDSPL2 (2.9)	EDC4 (2.9)	TMEM208 (2.8)	ZNF408 (2.8)	ACD (2.8)
CTDSPL2 (2.9)	EDC4 (2.9)	TMEM208 (2.8)	ZNF408 (2.8)	ACD (2.8)
CTDSPL2 (2.9)	EDC4 (2.9)	TMEM208 (2.8)	ZNF408 (2.8)	ACD (2.8)
BMP8A (2.5)	KCTD19 (2.4)	OR5J2 (2.3)	DPEP3 (2.2)	RAB11B (2.0)
REEP3 (2.5)	ABCA8 (2.2)	RSPO3 (2.1)	IGF2R (2.0)	SLC9A5 (2.0)
ARID1A (2.5)	MACF1 (2.4)	SIK3 (2.3)	MTMR3 (2.3)	UVRAG (2.3)
PTPRJ (2.4)	TRIB1 (2.1)	SPI1 (2.0)	FHOD1 (2.0)	ZNF664 (2.0)
MST1R (4.3)	MYO5B (3.6)	GRB7 (3.4)	CMIP (3.1)	SFN (3.0)
ESRP2 (3.0)	CX3CL1 (2.8)	UVRAG (2.5)	PPIP5K1 (2.4)	DOCK6 (2.3)
C1orf172 (3.5)	DUSP3 (2.9)	MYO5B (2.7)	TRNP1 (2.4)	PVRL2 (2.4)
FAM192A (2.8)	MT1H (2.7)	TOMM40 (2.7)	ACD (2.6)	MAFF (2.4)
SFN (2.2)	FEN1 (2.1)	NAGS (2.1)	AMFR (2.0)	DDB2 (1.9)
TBL2 (3.7)	PPY (3.7)	MT1H (3.4)	TMEM208 (3.3)	MT1E (3.2)
FPR3 (2.2)	TBKBP1 (2.1)	TBL2 (2.0)	CD300LG (1.9)	EYA3 (1.9)
PLEKHG4 (2.5)	MYO1H (2.2)	KLF14 (2.2)	FADS1 (2.1)	LRRC29 (1.8)
DDX28 (3.4)	ZFAND2A (3.3)	MTCH2 (3.2)	NUP93 (3.1)	CIAPIN1 (3.0)
ZNF350 (2.5)	TECTB (2.4)	HCAR1 (2.3)	KCTD19 (2.3)	GPR146 (2.1)
FAM192A (2.4)	GFOD2 (2.3)	HDAC5 (2.3)	KCTD10 (2.2)	DYM (2.2)
YDJC (2.1)	SNORD58C (2.0)	TTC39B (1.9)	C17orf105 (1.9)	C1orf172 (1.6)
AMBRA1 (3.1)	MED1 (2.9)	CXXC1 (2.9)	PCIF1 (2.8)	NCOA5 (2.8)
KIAA0895L (2.3)	GALNT2 (2.2)	ABHD6 (2.2)	PCSK7 (2.0)	POLR2C (1.8)
EPB42 (2.9)	APOC1 (2.8)	MACF1 (2.7)	SPI1 (2.6)	ZNF350 (2.6)
PACSIN3 (2.6)	ZFAND2A (2.6)	C17orf57 (2.4)	OGFOD1 (2.4)	KIAA0754 (2.3)
NUP93 (3.2)	EDC4 (3.2)	CXXC1 (3.1)	RBM6 (2.8)	MTF2 (2.7)
APOC4 (3.4)	APOA5 (3.3)	ABHD6 (2.5)	SMPD3 (2.3)	LCAT (2.2)
KANK2 (2.3)	RAB11B (2.3)	COBLL1 (2.3)	ARHGAP1 (2.3)	DUSP3 (2.2)
IGF2R (2.6)	SIK3 (2.5)	CSGALNACT1 (2.4)	BCL3 (2.3)	NFATC3 (2.3)
TMED5 (2.5)	CLPTM1 (2.5)	ARHGAP1 (2.1)	PSKH1 (2.0)	TBL2 (2.0)
KIAA0754 (2.4)	LRP4 (2.4)	C17orf57 (2.3)	LPL (2.1)	MT1M (2.0)
CD40 (3.5)	RELB (3.3)	RBPJ (2.7)	ZDHHC18 (2.5)	PGS1 (2.3)
MT1X (2.1)	CASC4 (2.1)	CTDSPL2 (2.0)	MT1G (1.9)	MPHOSPH9 (1.9)
ACD (3.6)	POLR2C (3.2)	TNKS (3.0)	NFATC3 (3.0)	OGFOD1 (2.9)
AMFR (2.6)	CES4A (2.5)	TRIB1 (2.4)	PGAP3 (2.4)	PAFAH1B2 (2.2)
CENPT (3.6)	FEN1 (3.4)	CCDC18 (3.4)	CKAP5 (3.0)	ZNF335 (2.6)
REEP3 (2.8)	FRMD5 (2.6)	RAB11B (2.6)	SETD8 (2.6)	CCDC92 (2.6)

DCPS (3.1)	ATG13 (3.0)	CENPT (3.0)	ACD (2.3)	TBL2 (2.2)
UBE2L3 (2.6)	MAFF (2.5)	NUTF2 (2.4)	SETD8 (2.4)	CKAP5 (2.3)
NUP160 (3.3)	NUP93 (3.2)	PRMT7 (3.1)	LCMT2 (2.9)	UBR1 (2.8)
ACD (3.1)	PRMT7 (3.0)	CTDSPL2 (2.8)	NUP93 (2.7)	BUD13 (2.6)
MPP2 (2.5)	NPEPPS (2.5)	MYBPC3 (2.3)	C1QTNF4 (2.2)	CATSPER2 (2.2)
C7orf50 (2.8)	OGFOD1 (2.5)	FNBP4 (2.5)	C12orf43 (2.5)	SNORD58C (2.3)
PDE3A (2.4)	KCTD10 (2.2)	COBLL1 (2.1)	DOCK6 (1.9)	CETP (1.9)
MTCH2 (3.3)	PTPMT1 (3.2)	PPIP5K1 (3.2)	ACAA2 (2.8)	CIAPIN1 (2.2)
TRPS1 (2.3)	ENSG00000226334 (2	NR0B2 (2.3)	TRNP1 (2.2)	SFN (2.2)
FADS2 (3.3)	DCPS (3.2)	FADS1 (3.2)	SCARB1 (3.0)	G6PC3 (3.0)
FADS2 (2.6)	CX3CL1 (2.5)	SPG11 (2.5)	CASC4 (2.5)	TP53BP1 (2.5)
TRADD (4.0)	POLR2C (3.8)	SLC7A6OS (3.7)	RANBP10 (3.5)	BBS2 (3.5)
ZFAND2A (3.4)	NDUFS3 (3.0)	OGFOD1 (3.0)	CLPTM1 (2.8)	ARFGAP2 (2.7)
PSMB10 (3.0)	AMFR (3.0)	PDIA3 (2.9)	PDHB (2.5)	NUDT21 (2.4)
LPL (2.4)	TCAP (2.4)	PPIP5K1 (2.2)	CSGALNACT1 (2.2)	MFAP1 (2.2)
PXK (2.3)	IGF2R (2.3)	RAB11B (2.2)	C18orf32 (2.1)	TMEM62 (1.9)
KCTD10 (2.5)	POLR2C (2.5)	PRMT7 (2.5)	MTCH2 (2.4)	SLC39A13 (2.4)
CTDSPL2 (2.2)	NUDT21 (2.1)	FEN1 (2.0)	LSM12 (2.0)	RLTPR (1.9)
MAP1A (2.6)	GNAO1 (2.4)	CELSR2 (2.4)	TRNP1 (2.3)	ABCB9 (2.3)
MADD (3.0)	NUP160 (3.0)	KBTBD4 (2.7)	CXXC1 (2.6)	LCMT2 (2.5)
TMEM101 (3.4)	PIGV (3.3)	PTPMT1 (2.9)	PSKH1 (2.6)	KCTD19 (2.5)
CD40 (2.5)	RELB (2.4)	ZDHHC18 (2.3)	NR1H3 (2.2)	NFATC3 (2.2)
CXXC1 (2.4)	ERBB2 (2.3)	LRP4 (2.3)	CDK12 (2.2)	C18orf32 (2.2)
CSGALNACT1 (3.0)	ST3GAL4 (2.8)	NRBF2 (2.5)	HSF4 (2.4)	ENSG00000247867 (2
UVRAG (3.9)	BCL3 (3.3)	PTPRJ (2.9)	ZDHHC18 (2.9)	CCL22 (2.7)
TAGLN (2.5)	C16orf86 (2.4)	SFN (2.3)	SLC39A13 (2.2)	NR1H3 (2.1)
MST1R (2.6)	ELMO3 (2.5)	C1orf172 (2.5)	FPR3 (2.4)	CCDC11 (2.4)
MED1 (2.9)	SPG11 (2.9)	ZSCAN29 (2.7)	UBE3B (2.4)	FBXL20 (2.4)
PACSIN3 (3.9)	COQ9 (3.7)	PDE3A (3.1)	C11orf9 (2.1)	NDUFS3 (2.1)
MYBPC3 (2.6)	SLC12A4 (2.4)	TCAP (2.3)	COQ9 (2.2)	NDUFS3 (2.2)
ETV5 (2.9)	MYO5B (2.8)	MST1R (2.7)	ERBB2 (2.7)	RAB11B (2.4)
EDC4 (3.6)	PGAP3 (3.4)	RSPRY1 (3.2)	MTF2 (3.0)	LSM12 (2.8)
ESRP2 (2.8)	C1orf172 (2.5)	BCL3 (2.2)	BCAM (2.0)	MST1R (1.7)
PPIP5K1 (3.3)	GFOD2 (3.0)	ZNF335 (2.7)	CDK12 (2.5)	MADD (2.5)
NEUROD2 (3.0)	C16orf86 (2.6)	CETP (2.5)	GPAM (2.4)	ENSG00000226334 (2
PTPRJ (2.8)	GFOD2 (2.6)	DPEP2 (2.4)	MYO1H (1.9)	HCAR1 (1.9)
GRB7 (2.9)	ELMO3 (2.7)	ESRP2 (2.5)	SLC12A3 (2.5)	CPS1 (2.3)
PNMT (4.3)	PGAP3 (3.9)	SNORD58C (3.6)	DYM (3.5)	CXXC1 (3.3)
BUD13 (2.6)	KPNB1 (2.6)	DR1 (2.5)	LSM12 (2.4)	ENSG00000254235 (2
SPG11 (2.6)	UVRAG (2.4)	ATG13 (2.4)	TTC39B (2.3)	VEGFA (2.2)
LILRA3 (2.1)	MYO1H (2.1)	C12orf65 (2.1)	KLF14 (1.9)	PIGV (1.9)
GFOD2 (2.7)	PRMT7 (2.7)	TUBGCP4 (2.5)	CIAPIN1 (2.4)	ENSG00000256746 (2
CBFB (3.1)	KCTD10 (3.1)	UVRAG (3.1)	ARHGAP1 (3.1)	ENSG00000247867 (3
UBR1 (2.8)	UVRAG (2.7)	PCSK7 (2.6)	NPEPPS (2.6)	KLHL8 (2.4)
NRBF2 (2.8)	GPAM (2.8)	ABCA1 (2.7)	MPP3 (2.3)	OR5J2 (2.2)
MLXIPL (2.6)	GPER (2.3)	HNF1A (2.3)	ENSG00000181123 (2	CYP2W1 (2.1)
LILRB2 (2.9)	CPNE2 (2.8)	FPR3 (2.6)	LILRA3 (2.6)	LPL (2.3)
PGS1 (3.5)	PTPMT1 (2.8)	LILRA3 (2.6)	NRBF2 (2.5)	SDF2L1 (2.5)
PVRL2 (3.5)	BCAM (3.1)	MIEN1 (3.1)	PNMT (2.9)	PGAP3 (2.8)
C16orf70 (2.7)	CES4A (2.6)	ENSG00000254235 (2	DUSP3 (2.2)	PLA2G15 (2.2)

C16orf70 (2.7)
MYBPC3 (2.9)
BBS2 (3.0)
CITED2 (3.5)
PLG (3.1)
ELMO3 (2.9)
MST1R (4.1)
MAP1A (2.0)
OASL (2.6)
EXOC3L1 (2.8)
HERPUD1 (3.0)
ELMO3 (2.7)
COBLL1 (2.1)
CD36 (2.4)
PCSK7 (2.9)
CCL17 (2.6)
FRMD5 (2.2)
APOE (2.7)
RLTPR (2.6)
GLUL (2.4)
GLUL (2.4)
GLUL (2.4)
HDAC5 (2.7)
NEUROD2 (2.6)
PDE3A (4.0)
PACSIN3 (2.7)
SNX13 (2.7)
MPHOSPH9 (2.9)
LILRB2 (2.7)
RBM5 (2.6)
ERBB2 (2.3)
UBE2L3 (2.6)
BBS2 (2.9)
MBD1 (2.4)
FADS2 (3.8)
RAB11B (2.8)
CYP26A1 (2.4)
PVRL2 (3.1)
ST3GAL4 (2.3)
ST3GAL4 (2.3)
ST3GAL4 (2.3)
MST1R (3.1)
BMP8A (2.5)
PTPRZ1 (2.7)
UVRAG (2.5)
MON1A (2.3)
HNF1A (2.2)
CKAP5 (4.4)
NUP93 (3.1)
APOA4 (2.1)

CES4A (2.6)
NOL3 (2.7)
CTRL (2.8)
PYY (3.5)
LILRB2 (3.0)
HNF4A (2.7)
SFN (3.7)
ABCB9 (2.0)
BCL3 (2.4)
PLEKHG4 (2.8)
C18orf32 (2.6)
PYY (2.7)
HNF1A (2.1)
OR4A21P (2.1)
DR1 (2.9)
OR5L2 (2.6)
TRNP1 (2.2)
SFN (2.6)
NLRC5 (2.6)
C1QTNF4 (2.3)
C1QTNF4 (2.3)
C1QTNF4 (2.3)
SNX10 (2.5)
OR5I1 (2.4)
TCAP (3.6)
CCDC116 (2.7)
GFOD2 (2.7)
WDR76 (2.8)
NFATC3 (2.7)
NFATC3 (2.5)
RLTPR (2.3)
ENSG00000226645 (2
TP53BP1 (2.9)
AFF1 (2.2)
LPA (3.5)
KCTD10 (2.4)
KLF14 (2.4)
MYO5B (3.0)
DYM (2.1)
DYM (2.1)
C17orf105 (2.2)
PTPRZ1 (2.8)
MYO1H (2.5)
NPEPPS (2.6)
MTMR3 (2.4)
TRIB1 (2.3)
CCDC116 (2.1)
FEN1 (4.3)
ACD (3.0)
G6PC3 (2.1)

ENSG00000254235 (2
DGKG (2.6)
CIAPIN1 (2.8)
JMJD1C (3.1)
CCL17 (2.9)
LIPG (2.5)
MYO5B (3.5)
ENSG00000255507 (1
GFOD2 (2.4)
DGAT2 (2.7)
CATSPER2 (2.6)
ENSG00000223745 (2
PTPMT1 (1.9)
SLC12A3 (2.0)
OR5L2 (2.8)
XKR8 (2.6)
CPNE2 (2.1)
LPL (2.3)
DPEP2 (2.6)
BACE1 (2.3)
BACE1 (2.3)
BACE1 (2.3)
MADD (2.4)
ENSG00000247445 (2
BCAM (2.7)
LCMT2 (2.6)
COX19 (2.5)
CCDC18 (2.7)
PSMB10 (2.6)
ARID1A (2.4)
ENSG00000247445 (2
PLA2G6 (2.4)
JMJD1C (2.6)
CMIP (2.2)
FADS1 (3.4)
CASC4 (2.4)
ENSG00000229043 (2
DUSP3 (2.8)
PACSIN3 (2.0)
PACSIN3 (2.0)
ZNF615 (2.1)
HERPUD1 (2.6)
NEUROD2 (2.4)
LSM12 (2.3)
BCL3 (2.4)
NRBF2 (2.3)
ENSG00000182109 (2
MPHOSPH9 (3.5)
PCIF1 (3.0)
ABHD6 (2.1)

DUSP3 (2.2)
MAFF (2.6)
OGFOD1 (2.6)
CTRL (2.8)
F2 (2.6)
HNF1A (2.4)
GRB7 (3.2)
TMEM175 (1.9)
ARHGAP1 (2.3)
ABHD6 (2.6)
TMEM208 (2.4)
PCSK7 (2.3)
XKR8 (1.8)
RAPSN (2.0)
ZNF615 (2.6)
CD40 (2.2)
MYO5B (2.1)
BCAM (2.1)
LPA (2.5)
ZNF614 (2.1)
ZNF614 (2.1)
ZNF614 (2.1)
FADS2 (2.3)
BMP8A (2.3)
FRMD5 (2.6)
DDX28 (2.5)
PXK (2.5)
SKA1 (2.6)
KCTD19 (2.6)
CMIP (2.2)
ABCB9 (2.1)
RAB11B (2.4)
NPEPPS (2.5)
FBXL20 (2.1)
MVK (3.2)
SETD8 (2.3)
RSPO3 (2.1)
PSKH1 (2.7)
CTRL (2.0)
CTRL (2.0)
DYM (2.1)
MT1X (2.6)
RELB (2.3)
TAGLN (2.3)
SETD8 (2.3)
TRADD (2.3)
GLUL (2.1)
CCDC18 (3.2)
UBE2L3 (3.0)
NAGS (2.1)

PLA2G15 (2.2)
RAPSN (2.6)
FBXL20 (2.5)
ARID1A (2.5)
APOC4 (2.4)
GRB7 (2.2)
ERBB2 (2.5)
PARD6A (1.9)
CD40 (2.2)
LRP4 (2.3)
CCDC11 (2.3)
HNF1A (2.3)
CCL17 (1.8)
KLF14 (2.0)
CASC4 (2.0)
COX19 (2.1)
DOCK6 (2.1)
ESRP2 (2.1)
LILRA3 (2.3)
PLTP (2.0)
PLTP (2.0)
PLTP (2.0)
FHOD1 (2.2)
OR5L2 (2.2)
RSPO3 (2.5)
NCOA5 (2.5)
MACF1 (2.3)
DEPDC1 (2.3)
SDF2L1 (2.5)
SMPD3 (2.0)
C17orf57 (2.0)
JMJD1C (2.2)
EIF3J (2.4)
ENSG00000223745 (2
APOC4 (3.0)
KLF14 (2.2)
FZD9 (2.0)
CELSR2 (2.7)
ZNF615 (2.0)
ZNF615 (2.0)
PACSIN3 (2.0)
PGAP3 (2.5)
C17orf105 (2.3)
IGF2R (2.2)
ARID1A (2.3)
GFOD2 (2.2)
PLA2G6 (2.0)
TMEM175 (2.4)
POLR2C (2.9)
CMIP (1.8)

PGAP3 (4.3)	ERBB2 (3.7)	PNMT (3.6)	TRIB1 (3.4)	PCIF1 (3.2)
ZNF335 (3.1)	UVRAG (2.8)	ARID1A (2.5)	SETD8 (2.4)	RBM5 (2.3)
MMAB (5.0)	REEP3 (3.0)	TMEM208 (3.0)	SDF2L1 (2.9)	PTPMT1 (2.8)
PTPRJ (2.8)	ANGPTL4 (2.5)	CD300LG (2.4)	CX3CL1 (2.2)	ABCA8 (2.2)
BUD13 (2.5)	TMEM208 (2.5)	DDX28 (2.4)	TOMM40 (2.4)	PTPMT1 (2.3)
TMEM208 (2.8)	UBE2L3 (2.6)	B3GNT9 (2.5)	ATG13 (2.4)	TBL2 (2.3)
CD36 (2.3)	SIDT2 (2.3)	UVRAG (2.2)	FNBP4 (2.0)	JMJD1C (2.0)
ZNF664 (2.8)	CATSPER2 (2.8)	BBS2 (2.7)	MTCH2 (2.6)	ZNF614 (2.3)
SBNO1 (3.8)	RNF214 (3.4)	MADD (3.1)	CELF1 (2.9)	SETD8 (2.7)
SPI1 (3.0)	NRBF2 (2.5)	RELB (2.5)	ZDHHC18 (2.4)	LILRA3 (2.4)
CCDC11 (2.2)	DGKG (2.2)	KIAA0754 (2.1)	BMP8A (2.0)	PPIP5K1 (1.9)
C7orf50 (2.6)	PAFAH1B2 (2.6)	DUSP3 (2.5)	ARHGAP1 (2.5)	KCTD10 (2.3)
TBL2 (3.0)	BCAM (2.6)	CATSPER2 (2.5)	CELSR2 (2.5)	CLPTM1 (2.5)
TRNP1 (2.7)	FZD9 (2.5)	HNF1A (2.5)	SOST (2.3)	SLC12A3 (2.2)
ABCB9 (2.7)	CSGALNACT1 (2.7)	ENSG00000236267 (2	CPS1 (2.4)	COBLL1 (2.3)
UBE2L3 (2.6)	SPRYD5 (2.5)	FHOD1 (2.5)	DOK4 (2.4)	MBD1 (2.3)
PDE3A (3.6)	FBXL20 (3.4)	FRMD5 (3.2)	MED1 (3.1)	BCAM (3.1)
CD300LG (2.4)	CELSR2 (2.3)	TRIB1 (2.2)	ETV5 (2.1)	SPRYD5 (2.0)
ZNF615 (2.7)	TUBGCP4 (2.3)	ZNF614 (2.1)	PSKH1 (2.1)	ENSG00000181123 (2
C17orf57 (2.2)	BCL3 (2.1)	LILRA3 (2.1)	SPI1 (2.0)	CD40 (1.9)
NPEPPS (2.6)	CX3CL1 (2.5)	PDHB (2.4)	CKAP5 (2.3)	UBE2L3 (2.2)
ANGPTL4 (2.7)	FADS2 (2.5)	NOL3 (2.5)	GPIHBP1 (2.2)	SPG11 (2.1)
PDIA3 (5.3)	BMP8A (3.7)	HERPUD1 (3.2)	CATSPER2 (3.2)	ELMO3 (2.6)
PDIA3 (5.3)	BMP8A (3.7)	HERPUD1 (3.2)	CATSPER2 (3.2)	ELMO3 (2.6)
PDIA3 (5.3)	BMP8A (3.7)	HERPUD1 (3.2)	CATSPER2 (3.2)	ELMO3 (2.6)
PRMT7 (2.6)	EIF3J (2.5)	C12orf43 (2.5)	MED1 (2.4)	OGFOD1 (2.3)
PAFAH1B2 (2.1)	MAFF (2.1)	FHOD1 (2.1)	C18orf32 (2.0)	RNF214 (2.0)
ETV5 (4.0)	FHOD1 (3.0)	ZFAND2A (3.0)	HDAC5 (2.9)	VEGFA (2.8)
PLEKHG4 (2.7)	CITED2 (2.3)	RSPO3 (2.3)	CCDC18 (2.1)	C16orf48 (2.0)
ARID1A (2.5)	TCAP (2.3)	TRIB1 (2.2)	ATG13 (2.2)	PACSIN3 (2.1)
SLC39A13 (2.7)	CSGALNACT1 (2.4)	PLEKHG4 (2.3)	SIDT2 (2.3)	TTC39B (2.1)
NUDT21 (3.1)	NUP93 (2.8)	NCOA5 (2.8)	CXXC1 (2.8)	EDC4 (2.8)
FHOD1 (2.4)	TMED5 (2.4)	GPER (2.3)	DR1 (2.3)	VEGFA (2.2)
DOK4 (2.4)	SLC9A5 (2.3)	MST1R (2.1)	PXK (2.1)	E2F4 (2.1)
MMAB (9.1)	LIPG (4.4)	SDF2L1 (3.4)	TMED5 (3.3)	CES4A (3.1)
GRB7 (2.5)	FBXL20 (2.5)	SIK3 (2.2)	FRMD5 (2.2)	PCSK7 (2.1)
GPER (2.1)	C19orf80 (2.0)	LRP4 (2.0)	ETV5 (1.9)	SEC14L4 (1.9)
ERBB2 (3.9)	PNMT (3.5)	ARID1A (3.0)	LRRC29 (2.9)	C16orf86 (2.9)
HERPUD1 (3.0)	PDIA3 (2.7)	CLPTM1 (2.5)	SDF2L1 (2.5)	B3GNT9 (2.3)
C11orf9 (3.0)	PVRL2 (3.0)	KIAA0754 (2.9)	MYO5B (2.7)	PDIA3 (2.6)
MPP3 (3.6)	BACE1 (3.1)	DGKG (2.5)	TTBK2 (2.4)	DOK4 (2.4)
TECTB (3.1)	BMP8A (2.9)	GPR146 (2.8)	GPIHBP1 (2.6)	PYY (2.5)
CITED2 (2.3)	TRPS1 (2.3)	FBXL20 (2.2)	KLHL8 (2.1)	IGF2R (2.1)
MTMR3 (2.8)	SPI1 (2.5)	UBR1 (2.3)	KLHL8 (2.2)	SNX13 (2.2)
ACD (3.0)	CXXC1 (2.9)	E2F4 (2.8)	NUDT21 (2.6)	ZNF259 (2.5)
ZFAND2A (3.2)	TOMM40 (3.2)	PSMC3 (2.9)	MTCH2 (2.9)	ZNF408 (2.7)
NLRC5 (2.5)	LIPG (2.2)	TUBGCP4 (2.2)	MST1R (2.1)	ADAL (2.1)
PSMB10 (3.9)	NDUFS3 (3.5)	TMEM208 (3.5)	UBE2L3 (3.2)	CIAPIN1 (3.1)
NRBF2 (2.4)	ENSG00000223745 (2	MAP1A (2.4)	CES4A (2.2)	OR5J2 (2.1)
MACF1 (2.8)	PITPNM2 (2.8)	CITED2 (2.7)	DOK4 (2.7)	TRNP1 (2.3)

CMIP (2.7)	PLA2G15 (2.5)	HERPUD1 (2.4)	SIDT2 (2.3)	GALNT2 (2.1)
CCL17 (2.9)	KIAA0754 (2.7)	DUS2L (2.7)	ZNF615 (2.5)	MYO1H (2.5)
JMJD1C (2.2)	KLHL8 (2.1)	KIAA0895L (2.1)	ETV5 (2.1)	CX3CL1 (2.0)
ERBB2 (2.8)	C11orf9 (2.8)	PACSIN3 (2.6)	ZNF664 (2.5)	DUSP3 (2.5)
NLRC5 (2.4)	CCL17 (2.3)	RBM5 (2.3)	GPR146 (2.3)	SPI1 (2.1)
TRIB1 (2.8)	MBD1 (2.5)	SOST (2.5)	CYP26A1 (2.4)	DOK4 (2.4)
TOMM40 (2.6)	PDIA3 (2.6)	ACAA2 (2.4)	PSMC3 (2.3)	INTS10 (2.3)
UBE2L3 (2.7)	UVRAG (2.7)	PXK (2.5)	ESRP2 (2.3)	PTPRZ1 (2.3)
NFATC3 (2.4)	ARID1A (2.3)	SETD8 (2.3)	BCL3 (2.2)	MACF1 (2.2)
NCOA5 (3.0)	ARHGAP1 (2.9)	RAB11B (2.8)	EYA3 (2.7)	MFAP1 (2.6)
VEGFA (2.2)	TRPS1 (2.1)	APOC3 (2.1)	APOB (2.1)	SLC22A1 (2.0)
PSMC3 (3.5)	PDIA3 (3.1)	EIF3J (3.0)	ARFGAP2 (2.8)	LSM12 (2.7)
SETD8 (2.9)	GFOD2 (2.7)	DOK4 (2.4)	KIAA0895L (2.3)	VEGFA (2.3)
APOE (2.3)	COBLL1 (2.0)	TRNP1 (1.9)	BACE1 (1.9)	HNF4A (1.9)
PCIF1 (3.2)	CDK12 (3.1)	NFATC3 (2.9)	ERBB2 (2.9)	HDAC5 (2.8)
GPER (2.4)	AMFR (2.3)	SPRYD5 (2.3)	SMPD3 (2.1)	ENSG00000247445 (2
MBD1 (2.5)	DDX28 (2.5)	ACP2 (2.5)	ABHD6 (2.4)	TRADD (2.2)
MST1R (4.9)	SFN (4.3)	GRB7 (3.2)	MYO5B (2.9)	ST3GAL4 (2.5)
SOST (2.8)	SFN (2.8)	MYBPC3 (2.5)	FEN1 (2.4)	APOB (2.2)
FADS2 (2.3)	SCARB1 (2.3)	GFOD2 (2.3)	SETD8 (2.1)	PIGV (2.1)
DOK4 (2.7)	PDE3A (2.5)	ARHGAP1 (2.2)	LIPG (2.1)	VEGFA (2.0)
RSPRY1 (2.9)	CYP2W1 (2.9)	INTS10 (2.9)	ZSCAN29 (2.4)	CSGALNACT1 (2.4)
TUBGCP4 (2.8)	KPNB1 (2.7)	E2F4 (2.6)	PRMT7 (2.5)	LSM12 (2.2)
GRB7 (2.9)	CDK12 (2.7)	CMIP (2.5)	CD40 (2.5)	PXK (2.4)
FNBP4 (2.5)	CELF1 (2.4)	G6PC3 (2.3)	RBM6 (2.2)	MTF2 (2.0)
COBLL1 (2.3)	ZSCAN29 (2.2)	REEP3 (2.1)	XKR8 (2.0)	JMJD1C (2.0)
NUDT21 (3.2)	NUP93 (3.1)	UBE2L3 (3.1)	ACD (3.0)	RBM5 (2.8)
NDUFS3 (3.5)	ENSG00000229043 (3	COX19 (2.9)	TMEM208 (2.9)	NUP93 (2.8)
GPN2 (3.2)	ST3GAL4 (3.0)	ZDHHC18 (2.7)	NRBF2 (2.6)	CCL22 (2.5)
LILRB2 (2.4)	PTPRJ (2.3)	NRBF2 (2.3)	OR4A21P (2.2)	SNX10 (2.1)
MYO5B (2.7)	PTPRZ1 (2.3)	GFOD2 (1.8)	CITED2 (1.8)	CELSR2 (1.7)
NR0B2 (2.7)	ST3GAL4 (2.5)	SEC14L4 (2.4)	ABCA8 (2.2)	ENSG00000223745 (2
RBPJ (3.2)	KLHL8 (2.8)	BCL3 (2.8)	CX3CL1 (2.6)	UVRAG (2.6)
C16orf86 (2.6)	LRRC29 (2.6)	EYA3 (2.5)	DOK4 (2.3)	ZFAND2A (2.2)
CCL17 (3.4)	CETP (3.2)	SPI1 (3.0)	ZDHHC18 (2.9)	BCL3 (2.9)
JMJD1C (2.5)	IGF2R (2.5)	ZNF350 (2.4)	NFATC3 (2.4)	PTPRZ1 (2.3)
TOMM40 (2.6)	NUP93 (2.4)	UBE2L3 (2.2)	ENSG00000254235 (2	KPNB1 (2.2)
SIDT2 (2.6)	MADD (2.6)	AMFR (2.5)	IGF2R (2.5)	TMEM62 (2.1)
CBFB (2.0)	ABCB9 (2.0)	CMIP (2.0)	FPR3 (1.9)	SNX10 (1.8)
WDR76 (2.8)	PAFAH1B2 (2.6)	BUD13 (2.6)	NUDT21 (2.4)	CENPT (2.4)
MLXIPL (2.8)	GPER (2.2)	HNF1A (2.2)	ENSG00000181123 (2	BACE1 (2.1)
TGM7 (2.3)	ZNF350 (2.2)	ABCA1 (2.2)	ZNF613 (2.2)	ZNF614 (2.0)
ST3GAL4 (3.2)	NR0B2 (2.9)	ENSG00000182109 (2	COBLL1 (2.5)	ABCA8 (2.4)
LPA (2.5)	LCAT (2.4)	APOE (2.3)	CD40 (2.2)	XKR8 (2.2)
DUSP3 (3.1)	SETD8 (3.0)	MTMR3 (2.7)	SNX13 (2.4)	ARFGAP2 (2.1)
CD40 (2.7)	CYP2W1 (2.2)	PDE3A (2.0)	LPL (2.0)	SLC12A3 (2.0)
ABCA1 (2.5)	APOE (2.4)	FPR3 (2.4)	SLC39A13 (2.3)	BMP8A (2.1)
CITED2 (2.6)	APOE (2.3)	MAFF (2.2)	LCAT (2.2)	FZD9 (2.1)
PACSIN3 (3.3)	NR0B2 (2.8)	ABCA8 (2.8)	ACAA2 (2.5)	COQ9 (2.2)
MTMR3 (2.3)	TTBK2 (2.1)	TRIB1 (2.1)	TRPS1 (2.1)	MT1G (2.0)

BACE1 (2.5)	PYY (2.3)	MAP1A (2.2)	GNAO1 (2.2)	C1QTNF4 (2.0)
CELSR2 (2.8)	TRPS1 (2.8)	DOK4 (2.3)	CCDC11 (2.0)	GNAO1 (1.9)
ARFGAP2 (3.5)	NUTF2 (3.4)	NDUFS3 (3.0)	KPNB1 (2.5)	ZNF259 (2.4)
SPI1 (2.4)	FPR3 (2.4)	BCL3 (2.1)	NRBF2 (2.1)	PSMB10 (2.0)
TRIB1 (2.6)	ENSG00000229043 (2	C7orf50 (2.5)	LILRA3 (2.5)	ENSG00000254235 (2
CITED2 (3.1)	DDB2 (2.6)	SKA1 (2.5)	DEPDC1 (2.5)	ARID1A (2.5)
NUDT21 (3.3)	NUP93 (3.2)	BUD13 (3.1)	CXXC1 (2.9)	ACD (2.9)
CXXC1 (3.3)	BUD13 (3.2)	ZNF350 (3.1)	EDC4 (3.1)	KBTBD4 (3.0)
DEPDC1 (4.1)	DDB2 (3.5)	CENPT (3.1)	ACD (2.6)	NUDT21 (2.3)
SOST (2.8)	RSPO3 (2.0)	ABCA8 (2.0)	ABCB9 (1.9)	LPL (1.9)
NUDT21 (3.2)	CXXC1 (3.1)	EDC4 (3.1)	ACD (2.9)	NUP93 (2.9)
SETD8 (2.1)	UVRAG (2.1)	HERPUD1 (2.1)	RBM5 (2.0)	AFF1 (1.9)
SNX13 (2.7)	CPNE2 (2.6)	CCDC92 (2.5)	MIEN1 (2.3)	HDAC5 (2.3)
LRP4 (2.4)	TRPS1 (2.3)	PVRL2 (2.3)	TRIB1 (2.3)	C16orf48 (2.1)
BUD13 (3.3)	NCOA5 (3.3)	CXXC1 (3.2)	NUP93 (3.1)	EDC4 (2.9)
APOC4 (3.0)	HNF4A (2.6)	GLUL (2.5)	HERPUD1 (2.2)	C19orf80 (2.1)
KLHL8 (2.4)	DDB2 (2.2)	KCTD10 (2.2)	OASL (2.1)	PSKH1 (2.0)
HCAR1 (3.1)	C16orf86 (2.5)	DGAT2 (2.5)	MAP1A (2.1)	KANK2 (2.0)
PNMT (3.8)	DGAT2 (3.5)	GPAM (3.0)	PDE3A (2.9)	SPRYD5 (2.8)
PPP1R1B (2.7)	CELSR2 (2.6)	SLC12A3 (2.3)	PTPRZ1 (2.2)	TRPS1 (2.2)
SLC22A1 (3.1)	HARBI1 (2.7)	NRBF2 (2.7)	APOA4 (2.6)	ZNF408 (2.4)
ATG13 (2.9)	E2F4 (2.7)	UBE2L3 (2.7)	PLA2G15 (2.7)	C16orf70 (2.6)
LCMT2 (2.3)	HERPUD1 (2.2)	ATG13 (2.2)	MACF1 (2.0)	PSMC3 (2.0)
SLC39A13 (2.2)	CASC4 (2.1)	B3GNT9 (2.1)	RSPO3 (2.1)	BCAM (2.1)
PPP1R1B (3.0)	MED1 (2.8)	MST1R (2.5)	NR1H3 (2.4)	ENSG00000236267 (2
CYP2W1 (2.3)	CCL22 (2.3)	C19orf80 (2.2)	LILRA3 (2.2)	NAGS (2.2)
ZDHHC18 (4.1)	BCL3 (3.8)	CD40 (3.0)	PGS1 (2.7)	NOL3 (2.6)
VEGFA (2.6)	ARHGAP1 (2.5)	ATG13 (2.4)	SLC12A4 (2.3)	LSM12 (2.3)
VEGFA (2.6)	ARHGAP1 (2.5)	ATG13 (2.4)	SLC12A4 (2.3)	LSM12 (2.3)
RBM6 (3.4)	EIF3J (3.2)	CDK12 (2.7)	BAZ1B (2.7)	CXXC1 (2.6)
MT1G (2.7)	MT1X (2.6)	MT1F (2.5)	MT1H (2.5)	MT1M (2.3)
POLR2C (3.0)	FNBP4 (3.0)	NUDT21 (2.9)	ACD (2.9)	INTS10 (2.8)
PXK (3.4)	RELB (3.0)	AMFR (2.9)	CBFB (2.6)	PTPRJ (2.5)
PPP1R1B (3.0)	MYO5B (2.9)	MAP1A (2.6)	LPL (2.6)	C1QTNF4 (2.5)
IGF2R (2.9)	FADS2 (2.8)	KIAA0754 (2.7)	FHOD1 (2.5)	RANBP10 (2.5)
GPAM (2.7)	C11orf9 (2.6)	AFF1 (2.5)	KIAA0754 (2.5)	ARHGAP1 (2.5)
TRADD (2.3)	PSMB10 (2.1)	BCL3 (2.1)	UVRAG (2.0)	XKR8 (2.0)
PACSIN3 (2.8)	ENSG00000182109 (2	TCAP (2.2)	VEGFA (2.1)	SLC39A13 (2.1)
TGM7 (3.0)	SOST (2.9)	CYP26A1 (2.9)	TRPS1 (2.7)	MLXIPL (2.6)
TRPS1 (2.5)	LPL (2.5)	SOST (2.4)	LIPG (2.3)	ELMO3 (2.2)
ZNF350 (3.0)	KCTD19 (3.0)	PLA2G6 (2.7)	ABHD6 (2.3)	ZNF613 (2.3)
GPAM (3.7)	PTPMT1 (3.6)	ATG13 (3.1)	DUSP3 (2.9)	NDUFS3 (2.9)
LRP4 (2.7)	CPNE2 (2.5)	PLTP (2.5)	FZD9 (2.4)	SMPD3 (2.0)
PIGV (2.5)	OASL (2.4)	ST3GAL4 (2.0)	DPEP2 (2.0)	CD40 (1.9)
SPI1 (3.1)	CCL17 (2.8)	CCL22 (2.8)	CD40 (2.5)	SIK3 (2.4)
BCL3 (2.4)	ARID1A (2.4)	CSGALNACT1 (2.4)	SETD8 (2.3)	NFATC3 (2.3)
ENSG00000179523 (3	PLG (2.9)	APOC4 (2.9)	SLC22A1 (2.9)	HNF4A (2.6)
COQ9 (3.2)	MTCH2 (2.9)	NDUFS3 (2.8)	ENSG00000223745 (2	OR4A21P (2.1)
FADS2 (5.3)	TMEM101 (3.6)	TMEM208 (3.1)	TMEM62 (3.1)	TBL2 (2.9)
INTS10 (2.9)	LCMT2 (2.8)	KPNB1 (2.7)	TOMM40 (2.7)	CTDSPL2 (2.7)

SBNO1 (2.4)	NCOA5 (2.4)	ERBB2 (2.3)	BAZ1B (2.2)	PCIF1 (2.2)
NAGS (3.8)	APOC3 (2.5)	OASL (2.2)	MT1M (2.2)	APOA1 (2.0)
PXK (2.7)	C1QTNF4 (2.7)	CLPTM1 (2.6)	ARHGAP1 (2.4)	ACP2 (2.3)
IGF2R (3.2)	OGFOD1 (3.1)	KIAA0895L (3.1)	SNX10 (3.0)	AMFR (2.9)
PCIF1 (2.8)	ARID1A (2.8)	SPG11 (2.6)	EYA3 (2.5)	JMJD1C (2.4)
MTMR3 (2.4)	BCL3 (2.4)	ARID1A (2.4)	MACF1 (2.3)	IGF2R (2.2)
BUD13 (3.2)	CXXC1 (3.2)	EDC4 (3.2)	POLR2C (3.0)	INTS10 (3.0)
TMEM62 (3.4)	REEP3 (3.4)	UVRAG (2.5)	C18orf32 (2.5)	CES4A (2.5)
DGAT2 (2.7)	ARFGAP2 (2.6)	POLR2C (2.4)	TMED5 (2.3)	ZNF408 (2.3)
PXK (2.3)	NRBF2 (2.2)	SETD8 (2.1)	MFAP1 (1.9)	CBFB (1.8)
EXOC3L1 (2.6)	APOE (2.5)	C1orf172 (2.4)	BMP8A (2.3)	TMEM62 (2.2)
MST1R (4.4)	SFN (4.2)	GRB7 (3.3)	MYO5B (2.6)	CMIP (2.6)
OASL (3.5)	MT1E (3.3)	MT1F (3.2)	MT1X (2.9)	BMP8A (2.9)
MADD (3.1)	PXK (2.8)	UBR1 (2.7)	KLHL8 (2.6)	AFF1 (2.6)
CDK12 (2.8)	TRIB1 (2.5)	RAPSN (2.4)	CELSR2 (2.4)	G6PC3 (2.4)
CSGALNACT1 (2.4)	NFATC3 (2.4)	BCL3 (2.3)	ARID1A (2.3)	SETD8 (2.3)
ARFGAP2 (3.2)	TNKS (3.1)	UVRAG (3.0)	RNF214 (3.0)	PGAP3 (2.9)
BUD13 (3.1)	EDC4 (3.0)	NCOA5 (2.9)	NUP93 (2.9)	CBFB (2.8)
MBD1 (3.1)	NUDT21 (3.0)	CXXC1 (3.0)	RSPRY1 (2.9)	C16orf70 (2.8)
E2F4 (3.2)	FAM192A (3.1)	UBE2L3 (3.0)	CCNDBP1 (2.9)	OGFOD1 (2.8)
TGM5 (2.5)	GNAO1 (2.4)	MAP1A (2.4)	MPP3 (2.1)	NPEPPS (2.0)
ANGPTL4 (2.8)	ZNF615 (2.7)	FPR3 (2.7)	ENSG00000179523 (2	MT1M (2.5)
NRBF2 (2.5)	PTPMT1 (2.5)	COQ9 (2.4)	PDHB (2.4)	OR4A21P (2.3)
LRP4 (2.4)	VEGFA (2.4)	ABCA1 (2.3)	SFN (2.3)	BCAM (2.3)
TRADD (2.3)	SPI1 (2.1)	FHOD1 (2.1)	ZSCAN29 (2.1)	DPEP2 (2.0)
TSNAXIP1 (2.7)	CYP26A1 (2.7)	SMPD3 (2.5)	ZNF615 (2.5)	CES4A (2.5)
TMEM208 (4.3)	ZFAND2A (3.5)	NDUFS3 (3.5)	POLR2C (3.0)	ARFGAP2 (2.8)
TMEM208 (4.3)	ZFAND2A (3.5)	NDUFS3 (3.5)	POLR2C (3.0)	ARFGAP2 (2.8)
TMEM208 (4.3)	ZFAND2A (3.5)	NDUFS3 (3.5)	POLR2C (3.0)	ARFGAP2 (2.8)
GPIHBP1 (2.7)	ENSG00000236267 (2	HCAR1 (2.7)	MYO1H (2.6)	DGAT2 (2.4)
RBM5 (3.0)	ZNF350 (2.9)	MTMR3 (2.7)	ZNF613 (2.7)	ABCA1 (2.5)
LPL (2.4)	TAGLN (2.4)	DOCK6 (2.4)	SLC12A4 (2.4)	CX3CL1 (2.1)
OGFOD1 (3.2)	THAP11 (3.2)	DDX28 (3.1)	LCAT (3.0)	RSPRY1 (3.0)
PSKH1 (2.9)	RNF214 (2.3)	JMJD1C (2.2)	ZNF615 (2.2)	NUTF2 (2.2)
GFOD2 (2.7)	TBKBP1 (2.6)	PVRL2 (2.5)	DOCK6 (2.5)	CX3CL1 (2.3)
KBTBD4 (2.7)	MFAP1 (2.7)	EIF3J (2.7)	INTS10 (2.6)	SPG11 (2.6)
GPIHBP1 (2.7)	APOA4 (2.6)	BCAM (2.5)	APOC3 (2.4)	RAB11B (2.4)
CELSR2 (2.5)	PPP1R1B (2.3)	ERBB2 (2.3)	PTPRZ1 (2.2)	TRPS1 (2.0)
MVK (3.1)	FADS2 (2.8)	PDHB (2.6)	TMEM62 (2.5)	GPN2 (2.5)
PTPRZ1 (2.4)	KANK2 (2.4)	PPP1R1B (2.3)	TGM7 (1.9)	MT1M (1.8)
EIF3J (3.4)	NUP93 (3.2)	TOMM40 (3.0)	TMEM208 (3.0)	PSMB10 (2.8)
SLC12A3 (2.5)	PDHB (2.3)	GLUL (2.3)	TGM7 (2.2)	GFOD2 (2.1)
LCAT (3.0)	APOA5 (3.0)	APOC3 (2.7)	APOB (2.7)	ACAA2 (2.7)
TBKBP1 (2.6)	ZNF335 (2.3)	PTPRJ (2.1)	PXK (2.1)	SPI1 (2.0)
PYY (2.3)	TGM7 (2.3)	TRPS1 (2.3)	GPER (2.1)	KIAA0754 (1.9)
AMFR (2.2)	LPL (2.1)	RLTPR (2.1)	SLC39A13 (2.1)	AFF1 (2.0)
MADD (2.7)	BCL7B (2.7)	CBFB (2.3)	MAFF (2.3)	PACSIN3 (1.9)
TAGLN (2.6)	DOK4 (2.4)	C7orf50 (2.3)	MYO1H (2.3)	PACSIN3 (2.2)
PLG (2.6)	GPER (2.2)	MT1G (2.1)	HERPUD1 (2.1)	SLC22A1 (2.0)
LIPG (2.8)	BCAM (2.4)	ESRP2 (2.3)	DNAH10 (2.3)	NR0B2 (2.1)

NR1H3 (2.1)	OR4A1P (2.1)	ZFAND2A (2.1)	MADD (2.0)	KBTBD4 (1.9)
PPY (3.4)	TRPS1 (2.9)	LRP4 (2.6)	SIDT2 (2.5)	SLC7A6 (2.5)
CELSR2 (2.5)	SMPD3 (2.4)	ENSG00000255507 (2	CCDC116 (2.3)	CX3CL1 (2.1)
NDUFS3 (3.6)	TMEM208 (3.4)	PSMB10 (3.4)	UBE2L3 (3.1)	ENSG00000229043 (3
RELB (3.6)	UVRAG (3.5)	ZDHHC18 (3.2)	CCL17 (3.2)	RLTPR (3.2)
CLPTM1 (2.5)	PTPRZ1 (2.4)	CELSR2 (2.3)	SPG11 (2.2)	PLTP (2.2)
PLA2G6 (2.4)	KBTBD4 (2.3)	C16orf48 (2.3)	ARFGAP2 (2.2)	HARBI1 (2.2)
CIAPIN1 (2.9)	CXXC1 (2.9)	E2F4 (2.8)	NUDT21 (2.6)	ZNF408 (2.6)
IGF2R (3.6)	GPER (3.2)	PVRL2 (2.4)	PDE3A (2.3)	TGM5 (2.3)
KLF14 (2.3)	TMED5 (2.1)	ZFAND2A (2.0)	C12orf65 (1.8)	PAFAH1B2 (1.8)
NUDT21 (2.9)	CIAPIN1 (2.8)	RBM5 (2.6)	KPNB1 (2.6)	SNORD58C (2.6)
ETV5 (2.4)	SIK3 (2.4)	MYO5B (2.3)	RNF214 (2.2)	MACF1 (2.2)
ETV5 (2.4)	SIK3 (2.4)	MYO5B (2.3)	RNF214 (2.2)	MACF1 (2.2)
PDE3A (2.8)	FPR3 (2.8)	DPEP2 (2.7)	C17orf57 (2.7)	BCAM (2.4)
C16orf70 (2.8)	C1orf172 (2.7)	RNF214 (2.6)	NRBF2 (2.6)	UBE3B (2.5)
PRMT7 (3.7)	AMFR (3.7)	SDF2L1 (2.8)	INTS10 (2.4)	OGFOD1 (2.3)
CCNDBP1 (2.9)	UBE3B (2.8)	RANBP10 (2.8)	KBTBD4 (2.7)	CENPT (2.7)
ENSG00000226334 (2	TGM5 (2.5)	SFN (2.3)	SMPD3 (2.3)	C11orf9 (1.9)
MPP2 (2.5)	HNF1A (2.4)	KIAA0895L (2.4)	CMIP (2.4)	GPER (2.3)
MPP2 (2.5)	HNF1A (2.4)	KIAA0895L (2.4)	CMIP (2.4)	GPER (2.3)
ERBB2 (3.2)	FHOD1 (2.9)	DUSP3 (2.7)	MACF1 (2.7)	SFN (2.6)
PSMB10 (2.3)	TNKS (2.2)	PAFAH1B2 (2.0)	KLF14 (1.9)	PTPRJ (1.9)
UBR1 (2.7)	PGAP3 (2.6)	CX3CL1 (2.5)	HCAR1 (2.5)	CD300LG (2.4)
ESRP2 (2.9)	SIK3 (2.8)	MST1R (2.8)	MYO5B (2.8)	CYP2W1 (2.6)
C12orf43 (2.8)	NUDT21 (2.8)	PAFAH1B2 (2.5)	TRADD (2.5)	MIEN1 (2.5)
JMJD1C (2.3)	NUP160 (2.1)	NUTF2 (2.1)	GLUL (2.0)	EIF3J (1.9)
OR4A1P (2.1)	GPIHBP1 (2.1)	PVRL2 (2.1)	CPS1 (2.0)	PCSK7 (2.0)
TBL2 (4.1)	ARHGAP1 (3.3)	C11orf49 (3.1)	HERPUD1 (3.0)	PDIA3 (2.8)
ACD (3.2)	NUP93 (3.0)	CXXC1 (2.9)	UBE2L3 (2.9)	RBM6 (2.9)
SNX13 (2.6)	UVRAG (2.3)	KCTD10 (2.3)	KIAA0754 (2.3)	SETD8 (2.2)
FAM192A (3.1)	POLR2C (2.9)	E2F4 (2.9)	BUD13 (2.9)	CXXC1 (2.8)
C1orf172 (2.7)	APOE (2.7)	ELMO3 (2.6)	SLC12A4 (2.5)	MYO5B (2.5)
SLC7A6 (2.7)	CCL22 (2.7)	NFATC3 (2.4)	SPI1 (2.2)	ACP2 (2.1)
TMEM62 (3.0)	ZNF335 (2.9)	COX19 (2.9)	MBD1 (2.7)	INTS10 (2.6)
CELF1 (2.6)	RBM6 (2.6)	CITED2 (2.4)	DUSP3 (2.3)	TCAP (2.2)
ENSG00000256746 (2	SLC22A1 (2.5)	ABCA8 (2.4)	ZSCAN29 (2.3)	ENSG00000247445 (2
PLEKHG4 (2.3)	ARID1A (2.3)	DR1 (2.3)	KLHL8 (2.1)	ZNF664 (1.9)
STRC (2.4)	DOCK6 (2.0)	ETV5 (2.0)	FZD9 (1.9)	PDE3A (1.9)
ST3GAL4 (2.7)	NR0B2 (2.7)	ENSG00000255507 (2	LIPG (2.5)	C11orf9 (2.3)
TMEM175 (4.0)	CKAP5 (3.6)	SKA1 (3.3)	UBE3B (2.9)	PCIF1 (2.6)
CCDC11 (2.0)	ENSG00000226334 (2	INTS10 (1.7)	OR5L2 (1.7)	MT1M (1.7)
HERPUD1 (2.6)	KCTD6 (2.4)	SLC22A1 (2.1)	LIPC (2.1)	DOK4 (2.0)
SPI1 (2.6)	SLC22A1 (2.6)	XKR8 (2.5)	SEC14L4 (2.3)	RLTPR (2.2)
ACD (3.3)	NUP93 (3.3)	RBM6 (3.3)	NUDT21 (3.0)	SNORD58C (2.9)
NUDT21 (3.3)	EDC4 (3.0)	MED1 (3.0)	CXXC1 (3.0)	BUD13 (3.0)
DYM (2.6)	MTCH2 (2.6)	AMBRA1 (2.6)	SLC12A4 (2.4)	PSMC3 (2.2)
BUD13 (3.3)	CXXC1 (3.1)	NUDT21 (3.0)	NUP93 (3.0)	EDC4 (3.0)
PRMT7 (3.0)	OGFOD1 (2.9)	PSMC3 (2.8)	NUP93 (2.5)	CASC4 (2.5)
EDC4 (3.1)	ACD (3.0)	NUDT21 (3.0)	CXXC1 (3.0)	PCIF1 (2.7)
TRADD (2.3)	ZSCAN29 (2.1)	PXK (2.1)	FHOD1 (2.1)	DPEP2 (2.0)

OASL (2.3)	ABCA8 (2.1)	TRPS1 (2.1)	ABCA1 (2.1)	KPNB1 (2.0)
MST1R (2.6)	LRP4 (2.5)	INTS10 (2.5)	AMFR (2.3)	OR4A21P (2.3)
APOA5 (4.1)	APOC3 (4.0)	CES4A (3.5)	APOA4 (3.4)	CPS1 (3.2)
FHOD1 (3.3)	PLG (2.7)	ZFAND2A (2.7)	CD40 (2.4)	KIAA0754 (2.4)
PLEKHG4 (2.8)	TUBGCP4 (2.8)	ENSG00000179523 (2	YDJC (2.6)	CIAPIN1 (2.6)
EDC4 (3.6)	RSPRY1 (3.3)	MTF2 (2.9)	NRBF2 (2.9)	MIEN1 (2.7)
COQ9 (3.2)	FRMD5 (2.7)	NDUFS3 (2.4)	PLTP (2.3)	CD40 (2.1)
EDC4 (2.9)	CXXC1 (2.9)	RBM6 (2.8)	NCOA5 (2.6)	ZNF350 (2.6)
PDIA3 (3.6)	PSMB10 (3.4)	HERPUD1 (3.1)	LILRB2 (2.9)	ACP2 (2.6)
CES4A (2.8)	DPEP3 (2.6)	SBNO1 (2.6)	C7orf50 (2.4)	YDJC (2.3)
TMEM208 (3.5)	PSMB10 (3.4)	NDUFS3 (3.0)	NUP93 (3.0)	ENSG00000229043 (3
PCSK7 (3.3)	PAFAH1B2 (3.2)	TTC39B (3.1)	KLHL8 (2.8)	KIAA0754 (2.4)
RSPO3 (3.1)	FZD9 (2.8)	SFN (2.4)	TRPS1 (2.2)	JMJD1C (2.1)
ST3GAL4 (2.1)	TMEM101 (2.0)	FPR3 (2.0)	KCTD6 (2.0)	SNX13 (1.9)
NUP93 (3.1)	PRMT7 (3.0)	KPNB1 (3.0)	FEN1 (2.9)	DDX28 (2.9)
KANK2 (2.0)	OR5L2 (1.9)	JMJD1C (1.8)	ENSG00000254235 (1	TP53BP1 (1.7)
E2F4 (2.7)	BAZ1B (2.7)	KBTBD4 (2.6)	MED1 (2.6)	THAP11 (2.6)
PIGV (4.2)	KBTBD4 (3.6)	JMJD1C (3.4)	PGAP3 (3.3)	ARID1A (3.3)
RLTPR (3.1)	CCL17 (3.0)	RELB (3.0)	DDB2 (2.2)	MAFF (2.2)
SLC22A1 (2.5)	PIGV (2.4)	YDJC (2.3)	LPA (2.0)	EYA3 (2.0)
XKR8 (2.1)	OR5L2 (2.1)	RSPRY1 (2.1)	ZNF615 (2.0)	DGAT2 (1.9)
NUDT21 (3.3)	INTS10 (3.2)	BUD13 (3.1)	NUP93 (3.1)	NUP160 (3.1)
NUP93 (2.4)	KPNB1 (2.4)	SNORD58C (2.3)	CITED2 (2.1)	OASL (2.1)
TOMM40 (2.2)	NPEPPS (2.1)	SNORD58C (2.1)	MPP2 (2.1)	CX3CL1 (2.0)
PACSIN3 (2.8)	MYO5B (2.8)	ZNF335 (2.8)	UBE3B (2.7)	ESRP2 (2.6)
MACF1 (2.5)	PGAP3 (2.5)	PNMT (2.4)	ERBB2 (2.4)	IGF2R (2.4)
CCL17 (2.9)	UVRAG (2.8)	NLRC5 (2.7)	SNX10 (2.7)	LILRB2 (2.4)
FADS2 (3.9)	SDF2L1 (3.6)	PDIA3 (3.6)	FADS1 (2.8)	EDC4 (2.7)
BCL3 (2.9)	EPB42 (2.8)	ZDHHC18 (2.6)	PTPRJ (2.4)	CCL22 (2.3)
PDHB (4.0)	NUP93 (2.7)	NR0B2 (2.6)	GPAM (2.4)	DDX28 (2.4)
NUP93 (2.8)	MTCH2 (2.6)	TP53BP1 (2.5)	ATG13 (2.5)	DYM (2.5)
PDIA3 (2.6)	RAB11B (2.5)	PSMC3 (2.4)	ACAA2 (2.4)	INTS10 (2.3)
MYO5B (2.8)	BCAM (2.6)	GRB7 (2.3)	APOC3 (2.2)	C1orf172 (2.1)
C12orf43 (2.4)	PLEKHG4 (2.3)	ENSG00000247445 (2	CYP2W1 (2.2)	OR4A1P (2.2)
SBNO1 (3.0)	ARFGAP2 (2.9)	BAZ1B (2.8)	SLC12A4 (2.6)	AFF1 (2.5)
NUDT21 (2.7)	UBE2L3 (2.7)	MTCH2 (2.6)	OGFOD1 (2.5)	NDUFS3 (2.5)
CCL17 (2.0)	CCL22 (1.9)	RLTPR (1.8)	XKR8 (1.8)	PIGV (1.8)
FHOD1 (2.4)	ARHGAP1 (2.3)	MACF1 (2.2)	PPP1R1B (2.2)	PITPNM2 (2.2)
PSMC3 (2.4)	ZFAND2A (2.4)	ARFGAP2 (2.3)	JMJD1C (2.2)	CXXC1 (2.1)
NOL3 (2.3)	ADAL (2.2)	LIPG (2.1)	TAGLN (2.0)	RSPO3 (2.0)
RSPRY1 (2.2)	XKR8 (2.2)	OR5L2 (2.2)	ZNF615 (2.1)	DGAT2 (2.0)
MTMR3 (2.1)	MFAP1 (2.1)	SKA1 (2.0)	CITED2 (1.9)	FEN1 (1.7)
DOK4 (3.1)	ENSG00000256746 (3	C11orf9 (2.7)	SOST (2.6)	ARHGAP1 (2.3)
BMP8A (2.9)	FZD9 (2.8)	LRP4 (2.5)	LIPG (2.3)	CSGALNACT1 (2.0)
CCDC11 (2.6)	APOA4 (2.5)	CPS1 (2.5)	MLXIPL (2.5)	PLA2G6 (2.4)
ADAL (2.6)	CD36 (2.4)	HCAR1 (2.4)	ENSG00000247445 (2	AMBRA1 (2.3)
CCDC18 (3.0)	CELSR2 (2.9)	MPHOSPH9 (2.8)	FBXL20 (2.8)	AMFR (2.7)
NPEPPS (2.6)	CELF1 (2.5)	NEUROD2 (2.5)	ENSG00000223745 (2	DOK4 (2.3)
GRB7 (3.2)	RBM6 (3.0)	PNMT (2.9)	CXXC1 (2.9)	CDK12 (2.8)
LPA (2.3)	NAGS (2.2)	SLC22A1 (2.1)	MPP3 (2.1)	MT1F (1.9)

PTPRZ1 (3.0)	BMP8A (2.9)	BCAM (2.8)	MIEN1 (2.5)	RSPO3 (2.4)
CYP26A1 (2.2)	RAPSN (2.2)	SLC39A13 (2.1)	IGF2R (2.1)	DPEP2 (2.1)
RBPJ (2.7)	CCL17 (2.6)	CD300LG (2.4)	C11orf9 (2.4)	ABCB9 (2.2)
PCIF1 (2.0)	TTBK2 (1.9)	ZSCAN29 (1.9)	OR4A1P (1.9)	TSNAXIP1 (1.9)
NUDT21 (3.1)	BUD13 (3.1)	NCOA5 (3.1)	NUP93 (3.1)	PCIF1 (3.0)
ENSG00000226645 (2	MADD (2.4)	UVRAG (2.3)	SPG11 (2.3)	JMJD1C (2.3)
MLXIPL (2.8)	SMPD3 (2.3)	ENSG00000181123 (2	HNF1A (2.2)	GPER (2.1)
SBNO1 (2.9)	GPN2 (2.7)	EDC4 (2.7)	CIAPIN1 (2.4)	UBE3B (2.4)
BCL7B (3.3)	DDB2 (3.3)	KLF14 (2.7)	CCL22 (2.5)	CCL17 (2.2)
DPEP2 (2.6)	TMEM62 (2.6)	IGF2R (2.5)	ACP2 (2.3)	APOE (2.3)
C16orf48 (2.6)	FEN1 (2.5)	TNKS (2.4)	ENSG00000226334 (2	XKR8 (2.4)
OR4A21P (2.8)	SLC7A6OS (2.5)	ZNF615 (2.4)	TGM7 (2.2)	GFOD2 (2.1)
BCAM (3.0)	ELMO3 (2.9)	MYO5B (2.9)	GPIHBP1 (2.9)	ESRP2 (2.7)
ACP2 (2.3)	APOE (2.3)	TRADD (2.3)	ANGPTL4 (2.2)	ZDHHC18 (2.1)
EDC4 (3.2)	NUP160 (3.2)	NUDT21 (3.2)	RBM6 (3.1)	ACD (3.1)
RAB11B (2.9)	CKAP5 (2.8)	SBNO1 (2.8)	WDR76 (2.7)	SKA1 (2.6)
NCOA5 (2.8)	MPHOSPH9 (2.7)	MTF2 (2.5)	WDR76 (2.3)	SETD8 (2.3)
ACP2 (2.5)	MADD (2.3)	MT1F (2.2)	HNF4A (2.1)	MT1G (2.1)
MAP1A (2.5)	LCAT (2.5)	REEP3 (2.5)	SIK3 (2.4)	GNAO1 (2.4)
AFF1 (2.6)	CMIP (2.3)	ARID1A (2.3)	CETP (2.3)	HDAC5 (2.2)
GPAM (3.2)	COQ9 (3.2)	ACAA2 (3.1)	MTCH2 (3.0)	SLC22A1 (2.8)
TTBK2 (2.4)	NRBF2 (2.3)	SETD8 (2.3)	MYO1H (2.3)	TRIB1 (2.2)
CETP (2.4)	C1QTNF4 (2.2)	ZFAND2A (2.1)	SNX10 (2.0)	C7orf50 (2.0)
DCPS (3.0)	CENPT (2.7)	PRMT7 (2.6)	CYP2W1 (2.6)	SKA1 (2.5)
NEUROD2 (3.1)	DOK4 (2.5)	GNAO1 (2.4)	C1QTNF4 (2.3)	MST1R (2.2)
SFN (4.5)	MST1R (4.1)	GRB7 (3.6)	MYO5B (3.0)	LIPG (2.6)
RAPSN (2.7)	PCSK7 (2.6)	KIAA0754 (2.5)	DOK4 (2.4)	CMIP (2.3)
MAFF (2.4)	RNF214 (2.3)	NRBF2 (2.3)	TRIB1 (2.3)	RELB (2.2)
ADAL (2.2)	ABCA8 (2.1)	INTS10 (2.0)	TMED5 (1.9)	KPNB1 (1.9)
RBM6 (3.2)	RBM5 (3.1)	CBFB (2.8)	ACD (2.8)	BUD13 (2.6)
RBM6 (3.2)	RBM5 (3.1)	CBFB (2.8)	ACD (2.8)	BUD13 (2.6)
RBM6 (3.2)	RBM5 (3.1)	CBFB (2.8)	ACD (2.8)	BUD13 (2.6)
POLR2C (3.0)	NDUFS3 (2.9)	TUBGCP4 (2.9)	TOMM40 (2.9)	OGFOD1 (2.8)
ZNF614 (2.8)	PACSIN3 (2.8)	MTMR3 (2.8)	CCDC116 (2.6)	NCOA5 (2.6)
ERBB2 (3.3)	GRB7 (3.3)	SFN (2.9)	ESRP2 (2.6)	DEPDC1 (2.3)
KCTD19 (2.2)	BCL7B (2.2)	MT1X (2.1)	PSMC3 (2.0)	POLR2C (2.0)
AMFR (2.6)	SIDT2 (2.6)	TMEM175 (2.5)	IGF2R (2.5)	PTPRZ1 (2.1)
CBFB (3.3)	FNBP4 (3.3)	EDC4 (3.3)	UBE2L3 (3.2)	BUD13 (2.8)
GLUL (3.2)	APOE (2.9)	SPRYD5 (2.2)	KIAA0754 (2.0)	NR1H3 (2.0)
LCAT (2.2)	ACP2 (2.2)	COBLL1 (2.1)	TMEM62 (2.0)	NEUROD2 (2.0)
ST3GAL4 (1.9)	EPB42 (1.8)	TBKBP1 (1.7)	PIGV (1.7)	CD36 (1.6)
NPEPPS (2.3)	GNAO1 (2.3)	C11orf49 (2.2)	CLPTM1 (2.2)	SNX13 (2.2)
MT1X (2.4)	EPB42 (2.0)	C17orf105 (1.9)	LCMT2 (1.8)	SETD8 (1.7)
FAM192A (3.3)	UBE2L3 (3.2)	CIAPIN1 (3.2)	ZFAND2A (3.0)	CCNDBP1 (3.0)
GPER (2.4)	SPRYD5 (2.4)	CSGALNACT1 (2.2)	ENSG00000247445 (2	AMFR (2.1)
RANBP10 (3.2)	CPNE2 (3.0)	MADD (2.7)	EDC4 (2.4)	PSKH1 (2.4)
BUD13 (1.9)	EIF3J (1.9)	ENSG00000226645 (1	SNORD58C (1.7)	KPNB1 (1.6)
MTMR3 (3.1)	PTPRJ (2.9)	HARBI1 (2.4)	ZNF615 (2.4)	ZNF350 (2.2)
KCTD19 (2.7)	TOMM40 (2.7)	PDHB (2.6)	C7orf50 (2.5)	ELMO3 (2.5)
LCMT2 (2.8)	NPEPPS (2.5)	NCOA5 (2.3)	HCAR1 (2.3)	FNBP4 (2.3)

PITPNM2 (2.1)	CX3CL1 (2.0)	GPER (2.0)	PTPRJ (1.9)	CPNE2 (1.9)
CX3CL1 (3.0)	CD300LG (2.6)	PPP1R1B (2.4)	SLC12A4 (2.4)	ZDHHC18 (2.3)
AMBRA1 (2.2)	GPN2 (2.2)	CMIP (2.2)	CTDSPL2 (2.1)	ZNF408 (2.1)
PSMC3 (2.5)	MAP1A (2.4)	B3GNT9 (2.3)	COX19 (2.3)	MVK (2.2)
C7orf50 (2.2)	PPP1R1B (2.1)	KLF14 (2.1)	ZSCAN29 (2.0)	PPY (2.0)
NUDT21 (3.0)	CASC4 (3.0)	TRADD (2.8)	HERPUD1 (2.8)	FAM192A (2.7)
CTRL (4.1)	TMED5 (3.8)	TBL2 (3.4)	DCPS (3.1)	TMEM101 (2.9)
MT1G (3.3)	MT1X (2.9)	MT1E (2.7)	MT1F (2.7)	RSPRY1 (2.4)
TNKS (2.6)	ST3GAL4 (2.5)	TTC39B (2.3)	NRBF2 (2.3)	INTS10 (2.2)
RBM6 (3.4)	NUP93 (3.3)	ACD (3.3)	BUD13 (3.2)	CXXC1 (3.1)
TMEM208 (4.1)	ZFAND2A (4.0)	NDUFS3 (3.5)	ARFGAP2 (3.1)	POLR2C (3.0)
GALNT2 (2.3)	CCL17 (2.2)	JMJD1C (2.1)	BBS2 (2.1)	CD40 (2.1)
SNORD58C (3.9)	NCOA5 (3.6)	CXXC1 (2.7)	CELF1 (2.7)	CTDSPL2 (2.6)
PRMT7 (2.7)	DDX28 (2.6)	LCMT2 (2.4)	C12orf43 (2.4)	MED1 (2.3)
UBE3B (2.6)	PACSIN3 (2.6)	RBM6 (2.5)	ESRP2 (2.5)	AFF1 (2.4)
PVRL2 (2.1)	LPA (2.1)	ACP2 (2.1)	SLC22A1 (2.1)	CELSR2 (2.1)
CMIP (2.3)	PITPNM2 (2.2)	AFF1 (2.2)	RAB11B (2.2)	PLA2G6 (2.1)
AFF1 (2.8)	GRB7 (2.8)	DUSP3 (2.7)	GPAM (2.7)	UBE3B (2.6)
PGAP3 (3.5)	RSPRY1 (3.2)	EDC4 (3.2)	MTF2 (2.9)	KBTBD4 (2.6)
CCL22 (3.5)	CCL17 (3.5)	TRADD (3.4)	ZDHHC18 (3.0)	HSF4 (2.8)
TTC39B (2.9)	KIAA0754 (2.8)	MYO5B (2.7)	FHOD1 (2.6)	E2F4 (2.5)
UBR1 (3.1)	NUP160 (3.0)	SPG11 (2.9)	EDC4 (2.9)	CXXC1 (2.8)
FADS1 (2.7)	EYA3 (2.5)	FADS2 (2.3)	PPIP5K1 (2.2)	RANBP10 (2.1)
CENPT (3.0)	FEN1 (3.0)	NUP93 (2.9)	CCDC18 (2.7)	PSMC3 (2.7)
MPHOSPH9 (2.7)	SPI1 (2.5)	SFN (2.4)	SOST (2.4)	RELB (2.3)
TNKS (2.9)	SBNO1 (2.6)	JMJD1C (2.6)	DGAT2 (2.4)	PARD6A (2.1)
BCL7B (2.9)	MTF2 (2.9)	RSPRY1 (2.9)	NUDT21 (2.8)	PARD6A (2.5)
TRIB1 (2.4)	MED1 (2.4)	OR4A1P (2.3)	NUP160 (2.3)	LSM12 (2.3)
KLHL8 (2.5)	JMJD1C (2.5)	BUD13 (2.5)	PGAP3 (2.4)	MTMR3 (2.2)
OR5I1 (2.7)	SOST (2.6)	OR4A1P (2.2)	RSPRY1 (2.0)	ENSG00000247445 (1
MT1M (5.4)	MT1E (5.3)	MT1X (5.1)	PPY (3.5)	TBL2 (3.1)
DYM (3.0)	RBM5 (3.0)	CXXC1 (2.6)	TP53BP1 (2.6)	GPN2 (2.5)
AFF1 (2.4)	RLTPR (2.1)	MTF2 (1.8)	AMBRA1 (1.8)	ENSG00000247445 (1
SCARB1 (2.7)	KPNB1 (2.6)	ST3GAL4 (2.5)	NPEPPS (2.4)	NUTF2 (2.4)
GRB7 (3.0)	ERBB2 (3.0)	MTF2 (2.7)	PNMT (2.5)	BUD13 (2.5)
MFAP1 (2.8)	RBPJ (2.8)	SLC7A6OS (2.7)	POLR2C (2.6)	ZNF259 (2.3)
HNF4A (2.3)	SEC14L4 (2.2)	PNMT (2.2)	BACE1 (2.1)	FRMD5 (2.0)
MT1M (2.5)	RSPO3 (2.5)	SLC12A4 (2.3)	LIPG (2.2)	REEP3 (2.1)
INTS10 (3.2)	EDC4 (3.1)	CXXC1 (3.0)	CTDSPL2 (3.0)	MFAP1 (2.9)
CELF1 (2.3)	SIK3 (2.2)	ERBB2 (2.2)	ARID1A (2.1)	SETD8 (2.1)
SLC22A1 (2.4)	TTC39B (2.4)	RSPO3 (2.2)	LIPG (2.2)	DOCK6 (2.1)
MST1R (3.1)	MYO5B (2.9)	GRB7 (2.9)	SIK3 (2.8)	SFN (2.7)
C1QTNF4 (2.2)	CCDC92 (2.1)	GLUL (2.1)	MYO1H (2.1)	TECTB (2.1)
LCMT2 (3.1)	CKAP5 (2.7)	GPN2 (2.7)	NUP93 (2.7)	BUD13 (2.7)
CYP26A1 (2.2)	TRNP1 (2.0)	SLC9A5 (2.0)	ETV5 (1.9)	HSF4 (1.7)
TNKS (2.9)	INTS10 (2.9)	RSPRY1 (2.7)	NUDT21 (2.6)	NFATC3 (2.6)
ARHGAP1 (3.8)	KCTD10 (3.2)	BAZ1B (2.5)	PTPRJ (2.4)	SBNO1 (2.4)
CITED2 (2.4)	ZNF615 (2.3)	THAP11 (2.3)	HDAC5 (2.2)	FBXL20 (2.1)
NDUFS3 (2.4)	DYM (2.3)	MADD (2.2)	MTCH2 (2.1)	SNORD58C (2.1)
INTS10 (3.2)	MFAP1 (3.1)	GPN2 (3.0)	SBNO1 (2.9)	NUP93 (2.9)

TBL2 (3.9)	TMEM208 (3.8)	HERPUD1 (3.7)	NPEPPS (2.8)	BAZ1B (2.4)
PGAP3 (3.2)	NRBF2 (3.0)	FAM192A (3.0)	EDC4 (3.0)	MTF2 (2.9)
OR5I1 (2.5)	CELSR2 (2.4)	C19orf80 (2.4)	OR5L2 (2.2)	PLEKHG4 (2.2)
BAZ1B (3.2)	SBNO1 (3.2)	ZNF664 (2.9)	HARBI1 (2.9)	SPG11 (2.7)
MIEN1 (3.0)	ARHGAP1 (2.4)	ENSG00000256746 (2	TRADD (2.4)	REEP3 (2.3)
CD40 (2.3)	LSM12 (2.2)	CLPTM1 (2.1)	EYA3 (2.1)	CCL17 (2.0)
RBM6 (2.9)	NUP93 (2.9)	CXXC1 (2.7)	ACD (2.7)	BUD13 (2.5)
MAP1A (2.8)	PNMT (2.7)	TMEM175 (2.5)	NEUROD2 (2.5)	CELSR2 (2.4)
MST1R (4.6)	SFN (3.9)	MYO5B (3.5)	GRB7 (3.1)	ERBB2 (2.6)
ARHGAP1 (2.6)	RLTPR (2.6)	ABCA8 (2.4)	ZNF614 (2.4)	CCL17 (2.4)
ARID1A (2.7)	TSNAXIP1 (2.7)	RSPO3 (2.7)	GPER (2.3)	MTF2 (2.2)
ST3GAL4 (2.7)	CSGALNACT1 (2.6)	MPP2 (2.4)	BACE1 (2.3)	CTRL (2.3)
XKR8 (1.9)	ENSG00000254235 (1	RLTPR (1.8)	COBLL1 (1.7)	SIK3 (1.6)
RNF214 (2.3)	PXK (2.3)	TRADD (2.2)	FHOD1 (2.1)	OASL (2.1)
KCTD6 (2.9)	B3GNT9 (2.8)	SLC39A13 (2.5)	TMED5 (2.4)	MFAP1 (2.2)
LIPC (2.5)	APOA4 (2.5)	ENSG00000181123 (2	TGM5 (2.3)	ST3GAL4 (2.1)
RSPO3 (2.4)	DOCK6 (2.4)	IGF2R (2.4)	EXOC3L1 (2.1)	FZD9 (2.0)
ESRP2 (2.3)	UBE3B (2.2)	SMPD3 (2.1)	SNX10 (2.1)	TRNP1 (2.1)
APOC4 (2.2)	GPER (2.2)	STRC (2.2)	EPB42 (2.1)	LPA (2.0)
SDF2L1 (3.5)	TMEM208 (3.4)	C18orf32 (3.4)	PNMT (3.3)	GALNT2 (3.2)
ACAA2 (2.2)	MPP3 (2.2)	PTPRZ1 (2.1)	CELSR2 (2.1)	ENSG00000247445 (2
C17orf57 (2.3)	C16orf86 (2.3)	LILRA3 (2.2)	TECTB (2.1)	MFAP1 (2.1)
LPL (2.4)	ACAA2 (2.2)	EYA3 (2.0)	PLTP (2.0)	MPP3 (2.0)
ZNF615 (2.8)	LCMT2 (2.8)	MTMR3 (2.7)	HARBI1 (2.4)	NCOA5 (2.4)
NUP93 (3.6)	KPNB1 (3.1)	NDUFS3 (3.1)	CIAPIN1 (3.1)	TMEM208 (3.1)
RAB11B (2.6)	CLPTM1 (2.6)	PITPNM2 (2.5)	MACF1 (2.4)	BACE1 (2.4)
CES4A (2.0)	ENSG00000226334 (1	RSPO3 (1.8)	TTC39B (1.7)	DGAT2 (1.7)
CES4A (2.0)	ENSG00000226334 (1	RSPO3 (1.8)	TTC39B (1.7)	DGAT2 (1.7)
KPNB1 (2.5)	DUSP3 (2.4)	TP53BP1 (2.3)	OGFOD1 (2.3)	NOL3 (2.2)
KBTBD4 (2.5)	GFOD2 (2.4)	MFAP1 (2.4)	ZDHHC18 (2.4)	TMEM62 (2.4)
INTS10 (2.4)	ZSCAN29 (2.4)	TSNAXIP1 (2.4)	FAM192A (2.3)	BBS2 (2.2)
NUP93 (2.8)	TP53BP1 (2.6)	MTCH2 (2.6)	ATG13 (2.5)	DYM (2.5)
NUP160 (3.2)	DR1 (3.1)	INTS10 (3.0)	GPN2 (2.9)	FNBP4 (2.8)
TBL2 (2.8)	SLC7A6 (2.7)	PLG (2.6)	ENSG00000229043 (2	STRC (2.4)
RANBP10 (3.6)	UBR1 (3.3)	TMEM62 (3.2)	EIF3J (3.2)	CDK12 (2.8)
CYP26A1 (2.3)	GALNT2 (2.2)	KANK2 (2.1)	FRMD5 (2.1)	ENSG00000181123 (2
DPEP2 (2.8)	LILRA3 (2.7)	CCL22 (2.4)	ZNF350 (2.4)	GPIHBP1 (2.4)
DPEP2 (2.8)	LILRA3 (2.7)	CCL22 (2.4)	ZNF350 (2.4)	GPIHBP1 (2.4)
FAM192A (2.8)	NRBF2 (2.7)	CIAPIN1 (2.7)	CELF1 (2.7)	RAB11B (2.7)
C1orf172 (2.5)	APOB (2.4)	CPNE2 (2.2)	CD36 (2.2)	STRC (1.9)
C11orf9 (2.5)	CELSR2 (2.4)	SPG11 (2.2)	PTPRZ1 (2.1)	PTPRJ (2.0)
FHOD1 (2.2)	UVRAG (2.2)	GRB7 (2.2)	CBFB (2.2)	PGAP3 (2.1)
NUP93 (3.2)	SNORD58C (3.0)	NCOA5 (2.9)	ACD (2.9)	UBE2L3 (2.9)
LRRC29 (2.4)	ENSG00000181123 (2	C17orf105 (2.2)	PSKH1 (2.2)	MAFF (2.2)
RBM6 (3.1)	CXXC1 (3.1)	NUP93 (3.0)	EDC4 (2.9)	PCIF1 (2.8)
EDC4 (3.2)	NUP93 (3.1)	ACD (3.0)	CXXC1 (2.9)	BUD13 (2.8)
ZNF335 (2.8)	CITED2 (2.7)	CBFB (2.6)	CDK12 (2.5)	PCIF1 (2.5)
MTF2 (3.1)	DDX28 (3.0)	FAM192A (2.9)	GPN2 (2.9)	MED1 (2.9)
PSMB10 (2.3)	ACP2 (2.3)	GALNT2 (2.3)	LILRB2 (2.3)	NLRC5 (2.2)
UBE2L3 (2.5)	ETV5 (2.3)	KCTD10 (2.2)	NCOA5 (2.2)	SKA1 (2.1)

G6PC3 (2.8)	CES4A (2.7)	SLC7A6 (2.6)	TMED5 (2.5)	B3GNT9 (2.3)
PTPRJ (3.2)	DDB2 (3.1)	PAFAH1B2 (2.7)	ST3GAL4 (2.7)	FHOD1 (2.5)
SLC39A13 (2.8)	FZD9 (2.7)	IGF2R (2.4)	BMP8A (2.4)	SLC12A4 (2.3)
NPEPPS (2.7)	CXXC1 (2.5)	KPNB1 (2.4)	IGF2R (2.2)	CITED2 (2.1)
HNF4A (2.3)	ZFAND2A (2.2)	EXOC3L1 (2.2)	GPER (2.1)	PNMT (2.0)
ARID1A (3.4)	PGAP3 (3.3)	FNBP4 (3.2)	TP53BP1 (3.1)	CELF1 (3.0)
C16orf86 (2.4)	DNAH10 (2.3)	CCDC11 (2.2)	KCTD6 (2.1)	RNF214 (2.0)
SPG11 (2.6)	CYP26A1 (2.6)	JMJD1C (2.2)	LIPG (2.1)	TRPS1 (2.0)
TAGLN (2.0)	CBFB (2.0)	TRIB1 (1.9)	ETV5 (1.8)	CMIP (1.8)
OR5I1 (2.4)	LILRB2 (2.3)	KLF14 (2.2)	CCL22 (2.1)	CCL17 (2.1)
LPA (3.0)	SPRYD5 (2.9)	HNF4A (2.8)	APOA5 (2.7)	TECTB (2.5)
FPR3 (2.3)	ACP2 (2.3)	CCDC11 (2.1)	TGM5 (2.0)	CCL22 (1.9)
BCAM (2.7)	CYP26A1 (2.6)	GRB7 (2.6)	ETV5 (2.5)	KANK2 (2.2)
EYA3 (2.8)	NRBF2 (2.3)	CSGALNACT1 (2.2)	CCDC92 (2.0)	TRNP1 (2.0)
CLPTM1 (2.5)	SLC7A6 (2.3)	BMP8A (1.9)	MVK (1.9)	KIAA0754 (1.9)
C18orf32 (2.8)	SLC12A3 (2.8)	UBE2L3 (2.7)	IGF2R (2.7)	PLA2G15 (2.6)
COQ9 (3.0)	NDUFS3 (2.8)	ZFAND2A (2.7)	DUS2L (2.6)	GPAM (2.6)
BCL7B (3.0)	DEPDC1 (2.9)	NFATC3 (2.7)	C16orf48 (2.6)	SETD8 (2.6)
ENSG00000229043 (2	OASL (2.0)	LRP4 (1.9)	KIAA0754 (1.7)	PSKH1 (1.7)
MED1 (5.3)	GRB7 (4.6)	FBXL20 (4.3)	PNMT (3.6)	MIEN1 (3.4)
PDIA3 (2.7)	C12orf43 (2.4)	CCL22 (2.3)	TOMM40 (2.3)	CD40 (2.3)
TOMM40 (3.2)	EIF3J (3.2)	INTS10 (3.2)	UBR1 (3.2)	SNORD58C (3.1)
PNMT (2.6)	CITED2 (2.6)	LIPG (2.6)	SEC14L4 (2.5)	APOA1 (2.2)
ABHD6 (2.3)	GPER (2.2)	TBL2 (2.1)	APOA4 (2.1)	MT1F (2.0)
SNORD58C (3.4)	FHOD1 (3.4)	RBPJ (3.3)	CXXC1 (2.8)	ERBB2 (2.7)
EDC4 (3.1)	BUD13 (3.1)	NUDT21 (3.0)	CXXC1 (3.0)	UBE2L3 (2.9)
FEN1 (4.9)	CENPT (3.9)	MPHOSPH9 (3.9)	CCDC18 (3.5)	NUP93 (3.0)
TRIB1 (2.6)	C19orf80 (2.4)	ABCA8 (2.3)	APOE (2.3)	APOC4 (2.2)
FAM192A (3.1)	THAP11 (3.1)	PARD6A (3.0)	ENSG00000223745 (2	FBXL20 (2.6)
ENSG00000247445 (2	DPEP2 (2.2)	CASC4 (1.9)	C17orf57 (1.9)	EPB42 (1.9)
FAM192A (3.2)	MED1 (3.1)	UBR1 (3.1)	CKAP5 (3.1)	TP53BP1 (3.0)
CPNE2 (2.4)	BCL3 (2.2)	E2F4 (2.1)	TRADD (2.1)	ZNF350 (2.1)
MAFF (3.1)	PPIP5K1 (3.0)	JMJD1C (3.0)	CITED2 (2.7)	SBNO1 (2.6)
ARFGAP2 (3.1)	PSMB10 (3.1)	EIF3J (3.0)	LSM12 (2.9)	KBTBD4 (2.6)
C16orf70 (2.5)	SLC12A3 (2.0)	PLA2G15 (2.0)	CCNDBP1 (1.9)	CATSPER2 (1.9)
LIPC (2.2)	APOC4 (2.2)	PARD6A (2.1)	LCAT (2.0)	PLG (1.8)
BUD13 (3.1)	NUDT21 (3.0)	NUP160 (2.9)	UBE2L3 (2.8)	NUP93 (2.8)
SMPD3 (2.4)	ZDHHC18 (2.2)	AMFR (2.1)	HCAR1 (2.1)	BACE1 (2.0)
NR0B2 (2.2)	TMEM101 (2.0)	DDB2 (2.0)	C16orf86 (2.0)	PTPMT1 (1.9)
TBL2 (3.0)	TMEM175 (3.0)	MIEN1 (3.0)	SIDT2 (2.8)	FBXL20 (2.6)
NLRC5 (2.4)	LILRB2 (2.4)	LILRA3 (2.4)	SPI1 (2.3)	RLTPR (2.2)
ZNF259 (2.8)	SBNO1 (2.7)	TOMM40 (2.6)	MED1 (2.4)	NUP93 (2.2)
COQ9 (2.5)	CIAPIN1 (2.5)	DGKG (2.4)	SLC12A3 (2.3)	MMAB (2.2)
UBE2L3 (3.0)	CBFB (2.9)	WDR76 (2.9)	FEN1 (2.8)	CKAP5 (2.7)
EDC4 (3.1)	UBE2L3 (3.0)	NUDT21 (2.9)	PCIF1 (2.9)	POLR2C (2.9)
TGM7 (2.4)	ENSG00000181296 (2	XKR8 (2.3)	PGS1 (2.2)	GFOD2 (2.0)
MST1R (4.3)	SFN (4.0)	GRB7 (3.1)	MYO5B (3.1)	ERBB2 (2.4)
C16orf86 (2.6)	TRADD (2.4)	DDB2 (2.3)	GFOD2 (2.1)	PGS1 (2.1)
PARD6A (2.2)	C1orf172 (2.2)	SCARB1 (2.2)	TGM7 (2.1)	SMPD3 (2.1)
ARFGAP2 (3.5)	LSM12 (3.4)	CELF1 (2.9)	RBM6 (2.8)	EDC4 (2.7)

MT1G (3.4)	MT1E (3.1)	MT1X (2.7)	MT1F (2.7)	CD40 (2.5)
DEPDC1 (2.2)	NUP160 (2.2)	ZNF259 (1.9)	CELSR2 (1.9)	EDC4 (1.8)
BACE1 (2.4)	HNF4A (2.4)	CX3CL1 (2.4)	TBKBP1 (2.3)	APOE (2.3)
NUP160 (2.9)	PGAP3 (2.8)	TUBGCP4 (2.8)	RBM5 (2.6)	MTF2 (2.6)
REEP3 (2.4)	IGF2R (2.3)	MYO1H (2.3)	TTC39B (2.2)	AMBRA1 (2.1)
ENSG00000181296 (2	PGS1 (2.0)	MT1H (1.9)	PIGV (1.9)	GFOD2 (1.9)
HERPUD1 (2.3)	MACF1 (2.2)	PITPNM2 (2.2)	SETD8 (2.2)	SMPD3 (2.1)
ZNF335 (2.9)	JMJD1C (2.5)	ARID1A (2.3)	NCOA5 (2.3)	BCL7B (2.3)
ZNF614 (3.2)	DDX28 (3.0)	HARBI1 (2.8)	ZSCAN29 (2.7)	MTMR3 (2.6)
JMJD1C (2.7)	HDAC5 (2.7)	MED1 (2.5)	PGAP3 (2.2)	NPEPPS (2.2)
NFATC3 (3.5)	SLC7A6OS (3.4)	GPN2 (3.4)	E2F4 (3.3)	TTBK2 (3.1)
PSMC3 (2.8)	ATG13 (2.7)	MTCH2 (2.6)	TP53BP1 (2.6)	DYM (2.5)
BACE1 (2.9)	BCAM (2.7)	CELSR2 (2.7)	CLPTM1 (2.6)	PLTP (2.5)
PGS1 (2.6)	DPEP2 (2.6)	DNAH10 (2.5)	OR5J2 (2.1)	XKR8 (2.0)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
GPN2 (2.7)	NUP160 (2.6)	NUDT21 (2.6)	NRBF2 (2.6)	KLHL8 (2.5)
UBE2L3 (2.4)	CCDC116 (2.4)	POLR2C (2.3)	C12orf65 (2.2)	SPRYD5 (2.2)
DDB2 (3.0)	PSMB10 (3.0)	CCL22 (2.8)	TECTB (2.8)	MYO1H (2.8)
APOE (3.0)	ACP2 (2.8)	PDIA3 (2.7)	SDF2L1 (2.6)	SLC12A4 (2.6)
FADS1 (2.3)	PLA2G6 (2.2)	HARBI1 (2.0)	SLC7A6OS (2.0)	MMAB (1.9)
NEUROD2 (2.5)	CTRL (2.4)	GNAO1 (2.2)	C7orf50 (2.1)	LILRA3 (2.1)
DR1 (3.0)	SBNO1 (2.9)	PAFAH1B2 (2.7)	GPN2 (2.6)	EIF3J (2.6)
ATG13 (2.9)	PACSIN3 (2.9)	BCL7B (2.6)	E2F4 (2.3)	TBKBP1 (2.3)
TTBK2 (2.5)	MAFF (2.5)	MYO1H (2.3)	TRIB1 (2.3)	NRBF2 (2.1)
NOL3 (3.3)	HERPUD1 (3.3)	FHOD1 (3.3)	ANGPTL4 (3.0)	YDJC (2.8)
BCL3 (2.8)	PTPRJ (2.8)	RSPRY1 (2.7)	UVRAG (2.5)	GALNT2 (2.4)
C17orf57 (3.0)	CD300LG (2.8)	FHOD1 (2.5)	DUSP3 (2.4)	SLC39A13 (2.3)
VEGFA (2.4)	XKR8 (2.4)	CETP (2.3)	APOE (2.2)	TTC39B (2.2)
ZDHHC18 (2.5)	ST3GAL4 (2.1)	LILRA3 (2.1)	ENSG00000247445 (2	BCL3 (2.1)
RLTPR (2.8)	RELB (2.7)	TRADD (2.6)	OASL (2.6)	TTC39B (2.5)
DYM (2.6)	RNF214 (2.5)	PDIA3 (2.4)	UBE2L3 (2.0)	SCARB1 (1.9)
ACD (3.1)	EDC4 (3.1)	RBM6 (3.0)	CXXC1 (2.8)	PCIF1 (2.6)
EXOC3L1 (2.7)	JMJD1C (2.6)	FHOD1 (2.5)	TTC39B (2.4)	ZNF613 (2.4)
PTPRJ (3.4)	CD40 (3.3)	BCL3 (2.8)	FNBP4 (2.3)	ZDHHC18 (2.2)
UBE2L3 (3.0)	NUDT21 (3.0)	LSM12 (2.9)	NUP93 (2.7)	RBM5 (2.7)
ETV5 (2.6)	SPRYD5 (2.1)	ERBB2 (2.1)	TRPS1 (2.1)	CELSR2 (2.1)
SLC7A6OS (3.2)	TOMM40 (3.0)	EIF3J (2.6)	MED1 (2.4)	NUP160 (2.4)
CXXC1 (2.9)	MFAP1 (2.9)	BUD13 (2.8)	LSM12 (2.6)	NPEPPS (2.6)
FRMD5 (2.2)	BBS2 (2.1)	SETD8 (2.1)	FADS1 (2.1)	G6PC3 (2.0)
CYP26A1 (3.3)	SMPD3 (3.1)	SOST (2.8)	TRPS1 (2.4)	FZD9 (2.4)
E2F4 (2.5)	OR5L2 (2.5)	BCL7B (2.4)	CCL22 (2.4)	GALNT2 (2.3)
CBFB (2.3)	SNORD58C (2.3)	NUP160 (2.1)	PRMT7 (2.1)	FNBP4 (2.1)
ENSG00000226334 (3	TRPS1 (2.4)	C1QTNF4 (2.4)	SLC12A4 (2.4)	OR5I1 (2.3)
EDC4 (3.1)	RBM6 (3.0)	NUP93 (3.0)	CXXC1 (2.8)	CBFB (2.6)
PSMB10 (3.4)	ACP2 (3.3)	SDF2L1 (2.8)	ZSCAN29 (2.6)	SPG11 (2.2)
PPP1R1B (2.7)	RSPO3 (2.5)	TRPS1 (2.5)	SLC12A3 (2.3)	PTPRZ1 (2.1)

LRP4 (2.8)	APOE (2.5)	BMP8A (2.2)	TBL2 (2.0)	APOC1 (1.9)
E2F4 (3.0)	KIAA0754 (3.0)	RSPRY1 (2.7)	PTPRJ (2.7)	FHOD1 (2.5)
BUD13 (3.4)	ZNF350 (3.0)	MFAP1 (3.0)	MED1 (2.9)	ZNF259 (2.8)
NUP93 (2.7)	TP53BP1 (2.7)	MTCH2 (2.6)	ATG13 (2.5)	EDC4 (2.4)
CCL22 (2.9)	NR1H3 (2.8)	APOE (2.6)	RLTPR (2.2)	GLUL (2.2)
BCL7B (2.3)	SIK3 (2.2)	PLA2G6 (2.2)	PPP1R1B (2.2)	OASL (2.0)
MT1H (2.4)	MON1A (2.4)	SBNO1 (2.2)	PNMT (2.2)	AMBRA1 (2.0)
TMED5 (2.1)	PTPMT1 (2.1)	TMEM208 (1.8)	APOC1 (1.7)	PDHB (1.6)
UVRAG (2.7)	PLA2G15 (2.7)	DDB2 (2.7)	DOCK6 (2.6)	LILRB2 (2.5)
FRMD5 (2.4)	NR0B2 (2.4)	MACF1 (2.3)	BCAM (2.3)	PPP1R1B (2.0)
ZNF613 (2.6)	TMED5 (2.6)	TTC39B (2.6)	PXK (2.4)	MTMR3 (2.4)
RLTPR (2.9)	ENSG00000247445 (2	CTDSPL2 (2.3)	CCL22 (2.2)	FADS1 (2.1)
ABHD6 (2.2)	PTPRZ1 (2.2)	HCAR1 (2.2)	SNX13 (2.1)	JMJD1C (2.1)
FEN1 (4.2)	CCDC18 (4.2)	CENPT (3.9)	MPHOSPH9 (3.7)	WDR76 (3.3)
SNX10 (2.6)	NPEPPS (2.6)	UBE2L3 (2.5)	KIAA0895L (2.5)	FAM192A (2.5)
ESRP2 (3.6)	GRB7 (2.9)	REEP3 (2.8)	COBLL1 (2.7)	TGM7 (2.6)
DOK4 (2.1)	DUSP3 (1.9)	CSGALNACT1 (1.9)	CPNE2 (1.9)	KLF14 (1.8)
ZFAND2A (3.7)	TMEM208 (3.5)	ARFGAP2 (3.2)	ENSG00000229043 (2	NDUFS3 (2.8)
ZFAND2A (3.7)	TMEM208 (3.5)	ARFGAP2 (3.2)	ENSG00000229043 (2	NDUFS3 (2.8)
JMJD1C (2.7)	SNX13 (2.6)	PTPRZ1 (2.4)	KANK2 (2.3)	FZD9 (2.3)
FNBP4 (3.5)	PGAP3 (3.5)	ARID1A (3.2)	TP53BP1 (3.1)	MED1 (3.0)
CCDC11 (2.6)	MT1H (2.5)	TRIB1 (2.5)	MT1G (2.4)	TRADD (2.2)
PPIP5K1 (2.3)	IGF2R (2.2)	SPRYD5 (2.2)	COBLL1 (2.2)	DNAH10 (2.2)
DEPDC1 (2.3)	THAP11 (2.2)	RBM5 (2.2)	ETV5 (2.1)	ANGPTL4 (2.0)
ESRP2 (2.7)	MST1R (2.7)	DOCK6 (2.6)	KANK2 (2.5)	ERBB2 (2.5)
SIK3 (2.8)	ESRP2 (2.7)	RNF214 (2.6)	MYO5B (2.6)	ERBB2 (2.6)
MT1F (2.2)	PLEKHG4 (2.2)	NAGS (2.1)	MT1H (2.1)	APOC4 (2.0)
LIPG (2.7)	TRPS1 (2.4)	ERBB2 (2.4)	CYP26A1 (2.3)	FPR3 (2.2)
DPEP2 (2.9)	CD300LG (2.5)	DNAH10 (2.3)	TGM7 (2.1)	ZDHHC18 (2.0)
TBL2 (3.6)	SDF2L1 (3.5)	PDIA3 (3.1)	FADS1 (2.9)	B3GNT9 (2.7)
FADS1 (4.3)	PDHB (3.3)	LIPG (2.9)	ACAA2 (2.7)	ZNF350 (2.7)
MPP3 (2.2)	THAP11 (2.2)	NCOA5 (2.2)	LSM12 (2.0)	ZNF614 (2.0)
CELSR2 (2.7)	FZD9 (2.5)	COBLL1 (2.3)	BCAM (2.2)	G6PC3 (2.0)
PSMC3 (2.4)	MTCH2 (2.2)	CATSPER2 (2.2)	RBM6 (2.0)	UBE2L3 (2.0)
GPER (2.6)	MT1F (2.3)	MT1G (2.2)	MT1H (2.2)	OR4A1P (2.2)
STRC (3.1)	HNF1A (2.8)	PPP1R1B (2.7)	PTPRZ1 (2.2)	GPER (2.1)
ENSG00000254235 (2	LSM12 (2.1)	CITED2 (2.0)	CD36 (2.0)	NAGS (2.0)
DDX28 (3.3)	ZSCAN29 (3.2)	PRMT7 (3.0)	TOMM40 (2.9)	LCMT2 (2.8)
APOE (2.4)	EXOC3L1 (2.2)	KCTD6 (2.2)	XKR8 (2.1)	SOST (2.0)
DYM (2.6)	NCOA5 (2.5)	NFATC3 (2.5)	SBNO1 (2.5)	ARID1A (2.4)
BUD13 (3.5)	THAP11 (3.5)	ARID1A (3.4)	PCIF1 (3.2)	MTMR3 (2.9)
RELB (2.8)	GALNT2 (2.7)	CPNE2 (2.5)	RLTPR (2.4)	DDB2 (2.4)
LIPC (4.2)	PLG (4.0)	APOA4 (3.6)	APOC4 (3.5)	APOC3 (3.4)
TNKS (2.6)	NFATC3 (2.5)	CBFB (2.5)	THAP11 (2.5)	TGM7 (2.4)
TECTB (2.2)	SPRYD5 (2.0)	SLC9A5 (2.0)	TRPS1 (2.0)	SPI1 (1.9)
CCDC11 (2.6)	SPRYD5 (2.4)	ENSG00000254235 (2	KCTD19 (2.4)	OR4A21P (2.3)
PTPRZ1 (2.5)	OR4A1P (2.3)	CYP26A1 (2.2)	CMIP (2.1)	LRP4 (2.0)
CCDC18 (5.4)	FEN1 (4.2)	CENPT (4.1)	MPHOSPH9 (3.8)	WDR76 (3.0)
CTRL (2.7)	PDE3A (1.9)	PLA2G15 (1.9)	REEP3 (1.8)	CASC4 (1.7)
DR1 (2.6)	PCSK7 (2.4)	GPIHBP1 (2.4)	ARHGAP1 (2.3)	TAGLN (2.1)

MED1 (3.2)	CDK12 (3.1)	FNBP4 (3.1)	E2F4 (3.0)	BUD13 (2.9)
PLA2G6 (3.0)	DYM (2.9)	MTMR3 (2.9)	AMBRA1 (2.9)	MYO5B (2.5)
OR4A21P (2.7)	CD36 (2.6)	DUS2L (2.6)	CPS1 (2.4)	APOC3 (2.4)
LILRB2 (2.7)	NR1H3 (2.3)	RELB (2.3)	ZDHHC18 (2.2)	PLA2G15 (2.2)
SNORD58C (2.3)	MTF2 (2.3)	AFF1 (2.3)	BCL7B (2.2)	PLA2G6 (2.1)
NFATC3 (2.4)	BCL3 (2.4)	CSGALNACT1 (2.3)	ARID1A (2.3)	IGF2R (2.3)
MAFF (2.3)	MT1H (2.3)	CCDC116 (2.3)	ANGPTL4 (2.1)	BBS2 (1.9)
LILRB2 (3.0)	ZSCAN29 (2.6)	MLXIPL (2.4)	TCAP (2.4)	APOC3 (2.3)
B3GNT9 (2.8)	PDIA3 (2.7)	TRADD (2.7)	SLC39A13 (2.6)	CSGALNACT1 (2.6)
CENPT (5.2)	CCDC18 (4.8)	FEN1 (4.3)	MPHOSPH9 (3.5)	WDR76 (2.5)
PRMT7 (2.7)	NPEPPS (2.6)	ARHGAP1 (2.6)	EDC4 (2.6)	CPNE2 (2.5)
NUP93 (3.2)	BUD13 (3.0)	NCOA5 (3.0)	NUDT21 (2.9)	CXXC1 (2.9)
CD300LG (2.3)	KCTD10 (2.2)	LRRC29 (2.2)	ENSG00000223745 (2	KIAA0895L (2.1)
SIK3 (2.9)	SFN (2.7)	MST1R (2.5)	PACSIN3 (2.5)	MYO5B (2.5)
UVRAG (2.5)	TRADD (2.3)	RELB (2.3)	CD40 (2.3)	PTPRJ (2.2)
FEN1 (3.2)	NUDT21 (3.0)	NUP160 (2.9)	NFATC3 (2.8)	MED1 (2.8)
ARID1A (2.8)	SPG11 (2.8)	MACF1 (2.7)	AFF1 (2.7)	HDAC5 (2.7)
CKAP5 (5.3)	CENPT (4.7)	FEN1 (4.6)	MPHOSPH9 (4.1)	WDR76 (3.1)
CKAP5 (5.0)	CENPT (4.6)	FEN1 (4.2)	MPHOSPH9 (3.4)	WDR76 (3.2)
CTDSPL2 (3.2)	AFF1 (2.9)	JMJD1C (2.9)	SBNO1 (2.5)	SEC14L4 (2.4)
BUD13 (3.2)	ACD (3.1)	NUP160 (3.1)	NUP93 (3.1)	RBM6 (3.0)
EDC4 (3.3)	PGAP3 (3.2)	MIEN1 (3.0)	RSPRY1 (2.7)	LSM12 (2.7)
MIEN1 (2.7)	CCNDBP1 (2.5)	SPG11 (2.5)	TMEM62 (2.4)	PLA2G6 (2.4)
SLC7A6OS (2.3)	MIEN1 (2.3)	TMEM62 (2.3)	CPNE2 (2.2)	MAP1A (2.2)
NUP93 (2.8)	TP53BP1 (2.7)	ATG13 (2.6)	MTCH2 (2.6)	EDC4 (2.4)
APOB (3.6)	CYP26A1 (3.5)	NAGS (3.0)	C11orf9 (2.8)	APOC4 (2.7)
MT1M (2.7)	C11orf9 (2.4)	ETV5 (2.4)	LCMT2 (2.3)	TAGLN (2.2)
LILRA3 (2.2)	PIGV (2.0)	LILRB2 (1.9)	FBXL20 (1.9)	RBPJ (1.8)
FZD9 (2.7)	KANK2 (2.6)	PLTP (2.5)	RSPO3 (2.5)	CYP26A1 (2.5)
MTMR3 (2.6)	BCAM (2.5)	SFN (2.5)	CITED2 (2.2)	BMP8A (2.2)
CCDC18 (3.8)	FEN1 (3.5)	MPHOSPH9 (3.3)	CENPT (3.3)	WDR76 (2.5)
PSMB10 (3.9)	TMEM208 (3.8)	POLR2C (3.1)	NDUFS3 (3.0)	UBE2L3 (2.9)
PSMB10 (3.4)	UBE2L3 (3.4)	NDUFS3 (3.3)	TMEM208 (3.2)	NUP93 (2.9)
PAFAH1B2 (3.0)	GPER (2.8)	MPP3 (2.4)	HNF4A (2.3)	ENSG00000181123 (2
FEN1 (4.9)	CKAP5 (4.6)	CENPT (4.2)	WDR76 (4.0)	MPHOSPH9 (3.3)
HNF1A (2.6)	XKR8 (2.4)	INTS10 (2.3)	TMEM62 (2.3)	LRRC29 (2.3)
MON1A (2.6)	GFOD2 (2.4)	BBS2 (2.4)	DYM (2.3)	HARBI1 (2.3)
MACF1 (2.3)	DOK4 (2.1)	DOCK6 (2.0)	PLTP (1.9)	ABCA1 (1.9)
HDAC5 (2.4)	RAB11B (2.3)	HCAR1 (2.3)	FHOD1 (2.2)	DOCK6 (2.1)
APOE (2.2)	DGKG (2.2)	SMPD3 (2.0)	LRP4 (2.0)	ABCA1 (2.0)
TMED5 (2.6)	C17orf105 (2.5)	HERPUD1 (2.3)	DCPS (2.3)	TMEM208 (2.2)
SLC9A5 (2.8)	AMBRA1 (2.7)	CDK12 (2.6)	SPG11 (2.6)	SEC14L4 (2.5)
LSM12 (2.8)	C12orf43 (2.7)	CCL22 (2.6)	NUTF2 (2.3)	CELF1 (2.2)
OR5J2 (2.8)	DOCK6 (2.8)	GFOD2 (2.7)	C17orf57 (2.6)	LIPG (2.4)
PLG (3.4)	HNF4A (3.3)	CX3CL1 (3.2)	SEC14L4 (2.6)	CYP26A1 (2.1)
ZNF613 (2.7)	PDIA3 (2.6)	NRBF2 (2.2)	TOMM40 (2.2)	SPRYD5 (2.2)
PSKH1 (2.5)	ARHGAP1 (2.4)	CPNE2 (2.4)	GPER (2.3)	LSM12 (2.3)
CXXC1 (3.0)	NCOA5 (3.0)	SNORD58C (2.9)	NUP160 (2.7)	CELF1 (2.7)
SLC12A3 (2.4)	PDHB (2.3)	PNMT (2.2)	GLUL (2.2)	COQ9 (2.1)
SLC12A3 (2.4)	PDHB (2.3)	PNMT (2.2)	GLUL (2.2)	COQ9 (2.1)

SPI1 (2.9)	NLRC5 (2.9)	LILRB2 (2.6)	DUS2L (2.6)	PXK (2.4)
NUP160 (3.4)	ACD (3.2)	BUD13 (3.2)	EDC4 (3.2)	NUP93 (3.1)
OR5I1 (2.6)	OASL (2.5)	PYY (2.3)	BMP8A (2.2)	C12orf43 (2.2)
CD36 (4.4)	MBD1 (2.5)	CATSPER2 (2.4)	ACP2 (2.3)	ACAA2 (2.1)
CDK12 (2.7)	ENSG00000182109 (2	KBTBD4 (2.7)	JMJD1C (2.5)	FBXL20 (2.4)
CCL22 (3.2)	GPIHBP1 (2.8)	LILRB2 (2.6)	CETP (2.4)	DGAT2 (2.1)
LILRB2 (3.7)	RLTPR (3.3)	SPI1 (3.2)	LILRA3 (3.0)	DUS2L (2.5)
MTCH2 (3.5)	MIEN1 (3.1)	C18orf32 (3.0)	NDUFS3 (2.8)	ZFAND2A (2.8)
PTPRZ1 (2.7)	TECTB (2.6)	C17orf105 (2.4)	APOE (2.2)	MT1F (2.2)
SBNO1 (3.1)	BAZ1B (3.0)	AFF1 (2.9)	ARFGAP2 (2.9)	SLC12A4 (2.5)
FEN1 (3.0)	DDB2 (3.0)	EYA3 (2.7)	CBFB (2.7)	CKAP5 (2.6)
C16orf70 (2.6)	LRRC29 (2.4)	TMEM208 (2.4)	CCNDBP1 (2.4)	HNF1A (2.4)
AMFR (2.5)	C18orf32 (2.5)	SIDT2 (2.4)	IGF2R (2.4)	TMEM62 (2.2)
SCARB1 (2.5)	BAZ1B (2.3)	ENSG00000223745 (2	SBNO1 (2.3)	KCTD10 (2.2)
PSMC3 (2.3)	CPNE2 (2.2)	CITED2 (2.1)	NCOA5 (2.1)	KPNB1 (1.9)
CX3CL1 (2.6)	NLRC5 (2.5)	MT1H (2.3)	ENSG00000229043 (2	CCL17 (2.1)
ENSG00000254235 (2	MADD (1.9)	MYO1H (1.8)	OR4A21P (1.8)	NOL3 (1.7)
CSGALNACT1 (2.3)	HNF1A (2.3)	MON1A (2.3)	TOMM40 (2.3)	PTPMT1 (2.2)
CLPTM1 (2.7)	TMEM101 (2.3)	ZNF350 (2.2)	SCARB1 (2.1)	XKR8 (2.1)
BMP8A (2.1)	RAB11B (2.1)	ETV5 (1.9)	EDC4 (1.9)	FPR3 (1.9)
CENPT (3.2)	TRADD (3.1)	TMEM175 (3.1)	PSKH1 (3.1)	RSPRY1 (2.9)
STRC (2.6)	PACSIN3 (2.5)	MPP3 (2.3)	CD40 (2.2)	PTPRJ (2.0)
ARID1A (2.7)	ERBB2 (2.5)	E2F4 (2.4)	NCOA5 (2.4)	BAZ1B (2.4)
G6PC3 (2.4)	ZSCAN29 (2.4)	TTBK2 (2.3)	PSMB10 (2.3)	RAB11B (2.2)
DR1 (2.5)	THAP11 (2.5)	MED1 (2.4)	MFAP1 (2.3)	CCNDBP1 (2.3)
CSGALNACT1 (2.2)	MT1H (2.1)	NLRC5 (2.1)	OR5L2 (1.9)	PTPRZ1 (1.8)
CKAP5 (5.1)	CENPT (4.6)	FEN1 (4.5)	WDR76 (3.7)	MPHOSPH9 (3.2)
AFF1 (2.5)	ARID1A (2.3)	AMFR (2.3)	BAZ1B (2.2)	CITED2 (2.2)
MON1A (2.7)	NPEPPS (2.5)	ENSG00000226645 (2	MAFF (2.3)	ENSG00000247445 (2
SLC7A6OS (2.5)	INTS10 (2.5)	SLC12A4 (2.4)	MFAP1 (2.1)	BCL3 (2.0)
GPIHBP1 (2.7)	C17orf57 (2.6)	PLTP (2.5)	IGF2R (2.2)	ABCB9 (2.1)
TECTB (2.9)	CYP26A1 (2.7)	PTPRZ1 (2.4)	SOST (2.3)	LIPG (2.2)
CD40 (3.2)	BCL3 (3.1)	MAFF (2.9)	ZFAND2A (2.9)	PSMB10 (2.4)
CPNE2 (2.3)	PYY (2.3)	LIPG (2.2)	SFN (2.1)	GLUL (2.0)
ZDHHC18 (3.0)	ARID1A (2.9)	KPNB1 (2.8)	MACF1 (2.7)	PTPRJ (2.6)
CKAP5 (5.0)	CENPT (4.6)	FEN1 (4.1)	MPHOSPH9 (3.6)	WDR76 (3.2)
SPI1 (2.8)	CCL22 (2.7)	RLTPR (2.2)	UVRAG (2.1)	ZDHHC18 (2.1)
CD40 (2.7)	FPR3 (2.6)	BCAM (2.6)	ZDHHC18 (2.5)	GPIHBP1 (2.5)
AFF1 (2.4)	GPAM (2.4)	AMFR (2.3)	PNMT (2.2)	MTMR3 (2.1)
NAGS (3.0)	APOB (2.8)	C11orf9 (2.5)	NPEPPS (2.5)	APOA1 (2.5)
C11orf9 (2.9)	TECTB (2.6)	FPR3 (2.6)	APOC1 (2.5)	MAP1A (2.1)
SIK3 (2.3)	OGFOD1 (2.2)	OASL (2.2)	PRMT7 (2.2)	NFATC3 (2.1)
DOK4 (2.4)	CMIP (2.2)	CCL22 (2.2)	CETP (2.0)	GLUL (2.0)
MT1F (3.0)	MT1E (2.8)	MT1H (2.8)	SEC14L4 (2.8)	MT1G (2.7)
C1QTNF4 (2.8)	CELSR2 (2.7)	PPP1R1B (2.6)	PITPNM2 (2.4)	HCAR1 (2.3)
MAFF (3.7)	CETP (3.5)	CCL17 (3.5)	LILRA3 (2.8)	BCL3 (2.8)
PPIP5K1 (3.2)	ELMO3 (3.2)	MYO5B (3.1)	CELSR2 (2.7)	GRB7 (2.7)
RAB11B (2.8)	C12orf43 (2.6)	CCDC11 (2.5)	KCTD10 (2.5)	COX19 (2.4)
CPNE2 (2.3)	REEP3 (2.2)	SLC7A6OS (2.0)	CELSR2 (2.0)	PTPRZ1 (2.0)
PCIF1 (3.2)	NUP93 (3.2)	NCOA5 (3.1)	EDC4 (3.1)	MFAP1 (3.0)

TTBK2 (2.3)	NRBF2 (2.2)	ZSCAN29 (2.2)	SETD8 (2.1)	TRIB1 (2.1)
MIEN1 (3.9)	CES4A (3.5)	CDK12 (3.5)	G6PC3 (3.4)	PNMT (3.3)
CD40 (2.8)	FNBP4 (2.2)	RELB (2.0)	BMP8A (2.0)	FPR3 (2.0)
KPNB1 (3.0)	PRMT7 (2.9)	EIF3J (2.9)	SBNO1 (2.5)	MED1 (2.5)
MTMR3 (3.0)	UBR1 (2.6)	SPI1 (2.4)	PVRL2 (2.3)	MADD (2.3)
CX3CL1 (2.1)	PLEKHG4 (1.9)	LPL (1.9)	KIAA0754 (1.9)	DPEP2 (1.8)
RELB (2.7)	DUSP3 (2.5)	FHOD1 (2.5)	CES4A (2.4)	ZNF408 (2.3)
ARHGAP1 (2.0)	TMED5 (2.0)	E2F4 (2.0)	MON1A (1.9)	PLA2G15 (1.9)
CKAP5 (3.0)	FEN1 (2.6)	CENPT (2.5)	NPEPPS (2.2)	COBLL1 (2.2)
PAFAH1B2 (2.8)	ZNF335 (2.7)	C12orf43 (2.4)	MADD (2.2)	RAB11B (2.2)
NUP93 (3.1)	EDC4 (3.1)	RBM6 (3.0)	CBFB (3.0)	CXXC1 (2.8)
MYO5B (4.0)	MST1R (3.8)	CMIP (3.0)	GRB7 (2.9)	CELSR2 (2.8)
PCIF1 (2.8)	KPNB1 (2.7)	RBM5 (2.7)	CXXC1 (2.6)	NUP93 (2.6)
CDK12 (5.2)	GRB7 (5.1)	MED1 (3.7)	FBXL20 (3.4)	ZSCAN29 (2.9)
MED1 (3.5)	KPNB1 (3.2)	AMBRA1 (3.0)	NUTF2 (3.0)	E2F4 (2.9)
CCDC18 (5.4)	FEN1 (4.3)	CENPT (4.0)	MPHOSPH9 (3.8)	WDR76 (3.0)
CXXC1 (4.1)	C18orf32 (3.8)	KANK2 (3.0)	CBFB (2.7)	ERBB2 (2.7)
CETP (2.9)	PNMT (2.9)	LILRB2 (2.5)	NR1H3 (2.5)	PLA2G15 (2.3)
BACE1 (2.5)	B3GNT9 (2.5)	C11orf9 (2.3)	BCAM (2.3)	HNF1A (2.2)
SFN (2.0)	MT1H (1.9)	LRRC29 (1.9)	MT1M (1.9)	MT1X (1.7)
FHOD1 (2.4)	CD40 (2.3)	ARFGAP2 (2.3)	UVRAG (2.2)	PVRL2 (2.2)
PAFAH1B2 (3.1)	KIAA0754 (2.7)	NPEPPS (2.4)	ELMO3 (2.2)	KLHL8 (2.2)
ERBB2 (2.5)	BCAM (2.4)	ETV5 (2.3)	LIPG (2.3)	OR5J2 (2.2)
CELSR2 (2.8)	G6PC3 (2.6)	SCARB1 (2.5)	ABCB9 (2.4)	C12orf43 (1.9)
ZDHHC18 (2.7)	UVRAG (2.7)	CPNE2 (2.4)	FHOD1 (2.3)	PXK (2.2)
MST1R (3.9)	MYO5B (3.4)	SFN (3.2)	ERBB2 (2.7)	GRB7 (2.5)
PIGV (4.0)	TMEM208 (3.9)	TMED5 (3.9)	TMEM101 (3.7)	TMEM175 (2.8)
LILRA3 (4.7)	LILRB2 (3.2)	PIGV (2.5)	TTC39B (2.4)	MAFF (2.4)
BCAM (2.6)	EXOC3L1 (2.5)	PPP1R1B (2.5)	HNF4A (2.5)	CSGALNACT1 (2.5)
DUS2L (3.1)	CIAPIN1 (2.8)	NUP93 (2.7)	PDHB (2.6)	MTCH2 (2.5)
KIAA0895L (2.7)	ENSG00000181296 (2	PNMT (2.4)	KLF14 (2.4)	ERBB2 (2.1)
FADS2 (2.5)	KLF14 (2.5)	C1QTNF4 (2.5)	FADS1 (2.4)	ACP2 (2.3)
NUP93 (3.3)	INTS10 (3.1)	CELF1 (2.9)	TP53BP1 (2.7)	RANBP10 (2.7)
MON1A (2.4)	RAB11B (2.3)	ZNF335 (2.2)	SLC12A4 (2.2)	SMPD3 (2.1)
ERBB2 (3.9)	PVRL2 (3.8)	C1orf172 (3.8)	MACF1 (3.7)	ESRP2 (3.5)
KCTD6 (2.9)	ERBB2 (2.9)	FBXL20 (2.8)	ENSG00000229043 (2	CSGALNACT1 (2.5)
TMED5 (2.4)	C17orf105 (2.4)	ENSG00000223745 (2	DOCK6 (2.3)	EIF3J (2.2)
CYP26A1 (2.9)	PPP1R1B (2.8)	PTPRZ1 (2.5)	SOST (2.3)	SMPD3 (2.3)
SFN (3.3)	ESRP2 (2.7)	PYY (2.6)	CTRL (2.5)	TTC39B (2.2)
CCDC18 (5.0)	CENPT (4.2)	MPHOSPH9 (2.6)	FEN1 (2.5)	WDR76 (1.7)
ARFGAP2 (3.6)	STRC (3.2)	TOMM40 (3.1)	AMBRA1 (3.1)	ZNF408 (3.0)
NUP160 (2.9)	SBNO1 (2.9)	TNKS (2.6)	RSPRY1 (2.6)	SPG11 (2.6)
WDR76 (2.4)	ADAL (2.4)	BAZ1B (2.3)	DDB2 (2.3)	CTDSPL2 (2.3)
BCAM (2.5)	SFN (2.4)	ELMO3 (2.3)	CPNE2 (2.3)	CX3CL1 (2.2)
LRP4 (3.0)	DOK4 (2.7)	CYP26A1 (2.5)	PPP1R1B (2.4)	B3GNT9 (2.2)
TBL2 (2.9)	C18orf32 (2.9)	TMED5 (2.6)	CLPTM1 (2.3)	CATSPER2 (2.2)
CKAP5 (4.9)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (2.9)
ST3GAL4 (2.2)	CASC4 (2.2)	EYA3 (1.9)	ENSG00000247445 (1	TECTB (1.9)
EDC4 (2.9)	THAP11 (2.8)	ZNF335 (2.7)	POLR2C (2.7)	ACD (2.6)
AFF1 (2.2)	B3GNT9 (2.1)	CMIP (2.1)	CCDC92 (2.1)	NAGS (1.9)

MYO1H (2.8)	TMEM62 (2.8)	SNX10 (2.7)	UVRAG (2.6)	PGS1 (2.5)
EDC4 (3.3)	CXXC1 (3.2)	ACD (3.2)	POLR2C (3.1)	PCIF1 (2.8)
SKA1 (3.1)	NFATC3 (3.0)	DEPDC1 (2.6)	RANBP10 (2.5)	NUDT21 (2.4)
EDC4 (3.1)	E2F4 (3.0)	MFAP1 (2.9)	ACD (2.8)	BUD13 (2.8)
NUDT21 (3.3)	CXXC1 (3.0)	ACD (2.9)	NUP93 (2.9)	EDC4 (2.8)
CYP26A1 (2.4)	FZD9 (2.1)	SETD8 (2.1)	TRIB1 (2.1)	NFATC3 (2.1)
LILRB2 (2.6)	PLTP (2.3)	TTC39B (2.2)	AGBL2 (2.2)	OR5J2 (2.1)
AMBRA1 (2.7)	RBM6 (2.6)	RBM5 (2.5)	BAZ1B (2.5)	TNKS (2.4)
FHOD1 (2.6)	PDE3A (2.5)	MADD (2.3)	CD36 (2.2)	G6PC3 (2.2)
NUP93 (3.1)	RBM5 (3.0)	RBM6 (3.0)	NUDT21 (3.0)	NUP160 (2.9)
CSGALNACT1 (2.2)	TAGLN (2.2)	MT1F (2.1)	SLC39A13 (2.1)	TRPS1 (2.1)
SLC39A13 (2.8)	PLTP (2.6)	BCAM (2.6)	LPL (2.5)	LRP4 (2.5)
DNAH10 (3.2)	LILRB2 (3.1)	SNX10 (2.9)	OR5L2 (2.4)	PGS1 (2.3)
C11orf49 (2.7)	DCPS (2.4)	ARID1A (2.4)	CD40 (2.3)	RAB11B (2.3)
CELF1 (3.0)	MTMR3 (2.9)	KBTBD4 (2.8)	RAB11B (2.7)	JMJD1C (2.6)
CELF1 (3.0)	MTMR3 (2.9)	KBTBD4 (2.8)	RAB11B (2.7)	JMJD1C (2.6)
CELF1 (3.0)	MTMR3 (2.9)	KBTBD4 (2.8)	RAB11B (2.7)	JMJD1C (2.6)
TTBK2 (2.3)	BCL3 (2.3)	ZDHHC18 (2.3)	PGS1 (2.1)	PXK (2.1)
C1orf172 (2.6)	ELMO3 (2.5)	KIAA0895L (2.4)	TNKS (2.3)	ESRP2 (2.2)
MAFF (2.1)	HERPUD1 (2.0)	TOMM40 (1.9)	EDC4 (1.9)	ENSG00000179523 (1
RBM6 (3.2)	CXXC1 (3.1)	NUP93 (3.1)	EDC4 (2.9)	CBFB (2.7)
RBM6 (3.2)	CXXC1 (3.1)	NUP93 (3.1)	EDC4 (2.9)	CBFB (2.7)
TMEM101 (2.4)	SBNO1 (2.4)	ARID1A (2.3)	MIEN1 (2.2)	TRPS1 (2.2)
UVRAG (2.2)	CSGALNACT1 (2.2)	ARID1A (2.1)	RBM5 (2.1)	RELB (2.0)
PPP1R1B (2.5)	IGF2R (2.2)	SCARB1 (2.2)	RSPO3 (2.1)	GPER (1.9)
GPIHBP1 (2.7)	DGAT2 (2.4)	CPS1 (2.3)	PDE3A (2.2)	CELSR2 (2.2)
ZNF614 (2.5)	MAFF (2.3)	TUBGCP4 (2.2)	CASC4 (2.1)	ZNF613 (2.0)
FRMD5 (2.3)	ABHD6 (2.3)	APOE (2.3)	PTPRZ1 (2.1)	ACP2 (2.1)
ST3GAL4 (2.8)	PYY (2.6)	LIPG (2.5)	HNF1A (2.5)	FPR3 (2.3)
EDC4 (3.0)	UBE2L3 (3.0)	NUP93 (2.9)	NUDT21 (2.7)	NCOA5 (2.6)
MT1M (2.7)	APOC4 (2.5)	SEC14L4 (2.5)	MT1G (2.5)	APOB (2.4)
PAFAH1B2 (3.2)	MADD (2.8)	PXK (2.8)	UVRAG (2.6)	KLHL8 (2.3)
NUDT21 (2.4)	RBM5 (2.2)	AMBRA1 (2.1)	NUP160 (2.1)	MPP2 (2.0)
FNBP4 (2.6)	SNORD58C (2.6)	RBM5 (2.5)	BCL3 (2.3)	CX3CL1 (2.0)
ENSG00000182109 (3	BBS2 (3.1)	RBM6 (2.9)	INTS10 (2.9)	RSPRY1 (2.9)
AFF1 (2.8)	PCSK7 (2.7)	KIAA0754 (2.6)	RAB11B (2.5)	TTC39B (2.5)
LILRA3 (2.6)	DPEP2 (2.6)	PLA2G15 (2.6)	TRPS1 (2.3)	PGS1 (2.3)
CKAP5 (5.0)	FEN1 (4.6)	CENPT (4.0)	MPHOSPH9 (3.8)	WDR76 (3.0)
MIEN1 (2.8)	PPY (2.7)	TMEM208 (2.6)	C16orf70 (2.6)	PLA2G15 (2.5)
PGS1 (2.6)	C12orf65 (2.5)	BMP8A (2.5)	LILRA3 (2.5)	C17orf57 (2.5)
EDC4 (3.1)	CXXC1 (3.1)	NUP93 (3.1)	RBM6 (2.8)	PCIF1 (2.7)
SOST (2.7)	SIDT2 (2.3)	CYP26A1 (2.3)	IGF2R (2.3)	RBPJ (2.1)
COX19 (2.3)	CATSPER2 (2.2)	TMEM175 (2.1)	TMEM62 (2.1)	SEC14L4 (2.1)
CD40 (3.3)	LILRB2 (3.2)	NR1H3 (2.7)	NLRC5 (2.4)	PTPRJ (2.2)
ZNF664 (2.6)	THAP11 (2.5)	SBNO1 (2.4)	NPEPPS (2.4)	CELF1 (2.3)
FADS1 (4.5)	ABCB9 (2.8)	AMBRA1 (2.5)	PLEKHG4 (2.4)	HDAC5 (2.4)
ENSG00000182109 (2	PIGV (2.2)	DUS2L (2.1)	KLF14 (2.1)	TMEM175 (2.1)
E2F4 (2.7)	GPN2 (2.5)	NUDT21 (2.4)	LSM12 (2.3)	C7orf50 (2.2)
OR5J2 (2.8)	GPIHBP1 (2.7)	KIAA0754 (2.6)	PDE3A (2.3)	MT1M (2.0)
CMIP (2.5)	DGKG (2.4)	TECTB (2.3)	ABCA8 (2.1)	OR5J2 (2.1)

G6PC3 (2.6)	ZNF615 (2.6)	CYP26A1 (2.4)	HNF1A (2.3)	ABHD6 (2.2)
ELMO3 (2.5)	GFOD2 (2.2)	C1orf172 (2.2)	PSMB10 (2.0)	GPIHBP1 (2.0)
GNAO1 (2.6)	CCNDBP1 (2.4)	RAB11B (2.3)	C12orf43 (2.2)	GLUL (2.2)
SPG11 (3.2)	C11orf49 (3.2)	C12orf43 (2.9)	ZFAND2A (2.7)	TRADD (2.6)
TRADD (2.3)	MPP3 (2.2)	NPEPPS (2.1)	NRBF2 (2.0)	SNX13 (2.0)
MTCH2 (2.7)	PDIA3 (2.6)	LSM12 (2.2)	EIF3J (2.2)	TUBGCP4 (2.2)
CLPTM1 (2.6)	BACE1 (2.5)	ACP2 (2.4)	YDJC (2.2)	TTBK2 (2.2)
OR5J2 (2.7)	DYM (2.6)	LSM12 (2.2)	CXXC1 (2.2)	PGAP3 (2.2)
SFN (3.6)	DOCK6 (3.1)	MST1R (3.0)	CYP2W1 (2.9)	ERBB2 (2.8)
PITPNM2 (2.9)	RAB11B (2.4)	FADS1 (2.2)	SBNO1 (2.2)	ZNF350 (2.1)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (3.4)	WDR76 (3.0)
ABCB9 (2.7)	MT1H (2.6)	MYO1H (2.6)	MT1G (2.3)	RBPJ (2.2)
ACD (2.9)	NUDT21 (2.9)	FAM192A (2.8)	E2F4 (2.8)	EDC4 (2.7)
SIK3 (2.3)	LILRA3 (2.2)	SPRYD5 (2.2)	MYO1H (2.1)	TBKBP1 (2.1)
TMEM208 (4.4)	MTCH2 (3.8)	ZFAND2A (3.6)	SDF2L1 (2.8)	NOL3 (2.8)
GALNT2 (2.9)	CD40 (2.8)	ABHD6 (2.6)	LILRB2 (2.6)	LILRA3 (2.6)
NUTF2 (2.9)	MTCH2 (2.8)	UBE2L3 (2.5)	SFN (2.5)	ENSG00000229043 (2
BAZ1B (3.5)	CELF1 (3.5)	RNF214 (3.5)	THAP11 (3.0)	SETD8 (3.0)
DPEP3 (2.6)	CD300LG (2.2)	TBL2 (1.8)	CCDC116 (1.8)	AGBL2 (1.8)
MTMR3 (3.0)	UBR1 (2.6)	SPI1 (2.5)	PVRL2 (2.4)	MADD (2.3)
ENSG00000181123 (2	PITPNM2 (2.3)	ST3GAL4 (2.1)	DNAH10 (1.9)	ABCB9 (1.8)
CCDC18 (4.8)	FEN1 (4.5)	MPHOSPH9 (3.8)	CENPT (3.6)	WDR76 (2.7)
SFN (2.5)	ZSCAN29 (2.2)	C16orf70 (2.2)	MT1H (2.1)	MT1F (2.0)
LCAT (2.6)	RAB11B (2.5)	SETD8 (2.5)	EIF3J (2.5)	ARFGAP2 (2.4)
ACD (3.0)	NUP93 (2.9)	CXXC1 (2.9)	RBM5 (2.9)	POLR2C (2.7)
CYP26A1 (2.5)	LRP4 (2.2)	TRNP1 (1.8)	LIPC (1.8)	UBE2L3 (1.8)
NOL3 (2.5)	MAP1A (2.4)	MPP3 (2.3)	NPEPPS (2.3)	C1QTNF4 (2.3)
NOL3 (2.5)	MAP1A (2.4)	MPP3 (2.3)	NPEPPS (2.3)	C1QTNF4 (2.3)
ERBB2 (3.8)	MACF1 (3.7)	SFN (3.3)	C1orf172 (3.2)	MYBPC3 (3.1)
RAB11B (2.3)	DOCK6 (2.3)	PCSK7 (2.2)	ERBB2 (2.2)	LCAT (2.2)
ENSG00000181296 (2	PVRL2 (2.4)	TRPS1 (2.3)	LIPG (2.3)	CSGALNACT1 (2.3)
XKR8 (2.3)	LILRA3 (2.3)	LILRB2 (2.3)	CD40 (2.1)	TRADD (2.0)
RBM5 (3.3)	NUP93 (3.2)	NUP160 (3.2)	INTS10 (3.1)	MTF2 (3.0)
KLF14 (2.4)	MST1R (2.4)	RSPO3 (2.3)	ENSG00000179523 (2	CYP26A1 (1.9)
CENPT (2.4)	CCDC116 (2.3)	CELF1 (2.2)	FNBP4 (2.1)	FEN1 (2.1)
TBKBP1 (2.3)	ZDHHC18 (2.2)	PCSK7 (2.0)	ARHGAP1 (2.0)	DPEP2 (1.9)
KCTD10 (2.7)	GPIHBP1 (2.5)	IGF2R (2.3)	XKR8 (2.2)	GALNT2 (2.1)
KIAA0754 (3.4)	UVRAG (2.8)	KLHL8 (2.7)	TTC39B (2.6)	CMIP (2.2)
C16orf70 (3.3)	AMFR (3.2)	ZFAND2A (2.6)	CCNDBP1 (2.6)	MTMR3 (2.6)
PTPMT1 (3.6)	MTCH2 (2.7)	CIAPIN1 (2.6)	TBKBP1 (2.3)	OR5I1 (2.1)
DPEP2 (2.6)	PGS1 (2.3)	TGM5 (2.2)	PTPRJ (2.1)	OR5L2 (2.1)
EDC4 (3.3)	ACD (3.1)	RBM6 (3.0)	PCIF1 (3.0)	CXXC1 (2.9)
NUP160 (3.5)	NUP93 (3.5)	CXXC1 (3.4)	INTS10 (3.1)	RBM6 (3.0)
TMEM208 (4.4)	ZFAND2A (3.5)	NDUFS3 (3.4)	POLR2C (3.2)	CIAPIN1 (3.1)
GALNT2 (3.3)	ATG13 (3.2)	ENSG00000247445 (3	B3GNT9 (2.9)	PDIA3 (2.9)
APOA1 (2.3)	KCTD6 (2.3)	CYP2W1 (2.2)	F2 (2.1)	HNF1A (2.0)
DPEP3 (2.1)	CITED2 (1.9)	DR1 (1.9)	RBPJ (1.8)	COBLL1 (1.8)
CCNDBP1 (3.0)	NDUFS3 (2.9)	NCOA5 (2.8)	COQ9 (2.7)	DCPS (2.7)
CPS1 (3.1)	APOA5 (2.8)	NR0B2 (2.7)	MT1E (2.7)	MT1G (2.7)
HARBI1 (3.1)	ZNF408 (3.1)	DDX28 (2.6)	LCMT2 (2.6)	BAZ1B (2.5)

CKAP5 (4.9)	FEN1 (4.6)	CENPT (4.5)	MPHOSPH9 (3.9)	WDR76 (3.0)
ZNF664 (2.8)	BBS2 (2.6)	MTCH2 (2.5)	CATSPER2 (2.5)	ZNF614 (2.3)
HDAC5 (2.5)	ENSG00000229043 (2	TRPS1 (2.2)	CMIP (2.1)	ZNF350 (2.0)
DYM (2.2)	NCOA5 (2.0)	EYA3 (2.0)	HCAR1 (2.0)	CITED2 (2.0)
SLC39A13 (2.1)	AMFR (2.1)	SIDT2 (2.1)	DGKG (2.1)	NLRC5 (2.0)
KCTD10 (2.6)	FPR3 (2.2)	PLA2G15 (2.1)	ZDHHC18 (2.1)	SMPD3 (2.1)
NUP160 (3.0)	ACD (2.8)	EIF3J (2.6)	GPN2 (2.6)	SBNO1 (2.6)
UBE2L3 (2.4)	FBXL20 (2.1)	CTDSPL2 (2.1)	PLA2G6 (2.1)	KLHL8 (1.9)
BCAM (2.3)	TBL2 (2.3)	TNKS (2.2)	HCAR1 (2.2)	TMED5 (2.0)
SLC39A13 (2.6)	PVRL2 (2.5)	PTPRZ1 (2.5)	CPNE2 (2.5)	CD300LG (2.4)
EDC4 (3.3)	ZNF350 (3.2)	KBTBD4 (3.1)	FAM192A (2.8)	DDX28 (2.8)
OR4A21P (2.3)	CD300LG (2.1)	ZNF664 (2.0)	DPEP2 (2.0)	C11orf9 (1.9)
UBR1 (2.8)	RANBP10 (2.7)	CCNDBP1 (2.7)	FADS1 (2.6)	SIK3 (2.6)
MIEN1 (3.2)	PGAP3 (3.1)	MED1 (2.8)	EDC4 (2.8)	NRBF2 (2.8)
BBS2 (3.0)	SLC7A6OS (3.0)	OR5I1 (2.9)	ENSG00000181296 (2	C16orf70 (2.8)
BBS2 (3.0)	SLC7A6OS (3.0)	OR5I1 (2.9)	ENSG00000181296 (2	C16orf70 (2.8)
EYA3 (2.5)	C16orf70 (2.4)	MPP3 (2.3)	NEUROD2 (2.3)	KIAA0754 (2.2)
CCDC116 (2.7)	STRC (2.4)	GPIHBP1 (2.4)	CPS1 (2.3)	ADAL (2.3)
ABCB9 (2.3)	PTPRZ1 (2.2)	TRPS1 (2.1)	SLC39A13 (2.1)	APOE (2.1)
PACSIN3 (3.0)	RNF214 (2.7)	RAPSN (2.7)	CITED2 (2.7)	SETD8 (2.6)
LPA (3.2)	APOC4 (3.2)	YDJC (2.7)	C16orf48 (2.6)	SLC12A3 (2.3)
PXK (2.7)	RBPJ (2.5)	OR4A21P (2.3)	TTC39B (2.2)	OR4A1P (2.2)
TGM7 (1.8)	CSGALNACT1 (1.6)	CCDC11 (1.6)	CELSR2 (1.5)	LRP4 (1.5)
MAFF (2.3)	MT1X (2.3)	PSMC3 (2.3)	C18orf32 (2.3)	KIAA0895L (2.2)
SNX13 (2.4)	ADAL (2.3)	B3GNT9 (2.3)	BBS2 (2.3)	RSPRY1 (2.2)
DUSP3 (2.7)	PLA2G6 (2.5)	SPG11 (2.3)	HARBI1 (2.3)	MIEN1 (2.2)
PTPRJ (3.3)	PAFAH1B2 (2.7)	REEP3 (2.6)	PCSK7 (2.5)	PXK (2.4)
CKAP5 (5.1)	CENPT (4.4)	MPHOSPH9 (3.9)	FEN1 (3.8)	WDR76 (2.6)
EYA3 (2.6)	NCOA5 (2.5)	RAB11B (2.5)	RNF214 (2.3)	TTBK2 (2.2)
MACF1 (2.3)	SMPD3 (2.2)	HERPUD1 (2.1)	JMJD1C (2.1)	BCL3 (2.1)
PTPRZ1 (3.2)	DGAT2 (2.2)	MYO5B (1.8)	TMEM175 (1.8)	CELSR2 (1.7)
SKA1 (3.2)	MADD (3.1)	CCNDBP1 (2.8)	ATG13 (2.7)	MIEN1 (2.5)
RBPJ (2.5)	SNORD58C (2.4)	FNBP4 (2.1)	TGM7 (2.0)	GPN2 (1.9)
FZD9 (3.0)	PTPRZ1 (2.8)	FADS1 (2.7)	GLUL (2.7)	CYP26A1 (2.7)
CIAPIN1 (3.0)	EIF3J (3.0)	TOMM40 (2.9)	NUP93 (2.8)	DDX28 (2.7)
AFF1 (2.3)	BAZ1B (2.1)	COBLL1 (2.0)	NLRC5 (2.0)	STRC (2.0)
POLR2C (2.6)	DR1 (2.5)	LRRC29 (2.4)	BCL7B (2.3)	BBS2 (2.3)
NUP93 (2.7)	SNORD58C (2.3)	LSM12 (2.2)	MTCH2 (2.2)	ZNF259 (2.1)
ZNF408 (2.8)	HARBI1 (2.7)	AMBRA1 (2.6)	LCMT2 (2.4)	ZNF615 (2.4)
ABHD6 (2.8)	DPEP3 (2.4)	TGM5 (2.4)	PDE3A (2.0)	TTC39B (1.9)
CKAP5 (5.3)	CENPT (4.7)	FEN1 (4.1)	MPHOSPH9 (3.8)	WDR76 (3.1)
TP53BP1 (3.4)	PGAP3 (3.3)	ARID1A (3.3)	FNBP4 (3.3)	CELF1 (3.0)
CCL17 (3.3)	TTC39B (2.9)	LILRB2 (2.8)	ABCA1 (2.7)	CCL22 (2.3)
PSKH1 (3.0)	ENSG00000247445 (3	B3GNT9 (3.0)	ATG13 (2.9)	PDIA3 (2.8)
KCTD10 (2.2)	TUBGCP4 (2.1)	CETP (2.1)	MPP2 (2.1)	C1orf172 (2.1)
PCIF1 (3.1)	MFAP1 (3.1)	RBM5 (3.0)	NCOA5 (3.0)	NUP93 (3.0)
PDE3A (2.4)	PITPNM2 (2.4)	MPP2 (1.9)	DNAH10 (1.9)	ABCB9 (1.9)
TAGLN (3.0)	CX3CL1 (2.8)	DOK4 (2.8)	PTPRJ (2.5)	NEUROD2 (2.4)
ZNF335 (2.6)	PCIF1 (2.5)	SBNO1 (2.4)	THAP11 (2.4)	CTDSPL2 (2.3)
ELMO3 (3.7)	GRB7 (3.1)	SFN (2.9)	BACE1 (2.8)	ERBB2 (2.7)

TTC39B (2.6)	XKR8 (2.6)	CD40 (2.6)	LILRB2 (2.2)	SIK3 (2.1)
FADS1 (2.3)	CCDC18 (2.0)	TRPS1 (2.0)	EXOC3L1 (1.9)	TBL2 (1.9)
SMPD3 (2.6)	AMBRA1 (2.6)	ZNF664 (2.5)	BAZ1B (2.3)	AFF1 (2.3)
CKAP5 (3.0)	NUP93 (2.9)	PRMT7 (2.9)	EDC4 (2.9)	INTS10 (2.8)
SLC7A6 (2.6)	ANGPTL4 (2.4)	FPR3 (2.0)	C18orf32 (2.0)	ZNF259 (1.9)
NUDT21 (3.4)	CXXC1 (3.2)	NCOA5 (3.1)	EDC4 (3.1)	BUD13 (3.1)
BCL7B (2.9)	PCIF1 (2.5)	NCOA5 (2.5)	THAP11 (2.3)	ARID1A (2.3)
BCL7B (2.9)	PCIF1 (2.5)	NCOA5 (2.5)	THAP11 (2.3)	ARID1A (2.3)
BCL7B (2.9)	PCIF1 (2.5)	NCOA5 (2.5)	THAP11 (2.3)	ARID1A (2.3)
MBD1 (2.3)	DDX28 (2.3)	C12orf65 (2.1)	OR5J2 (2.0)	ANGPTL4 (1.8)
TMEM101 (3.1)	TBL2 (3.0)	PGAP3 (2.8)	TMEM175 (2.8)	C18orf32 (2.8)
PTPMT1 (2.8)	TMEM208 (2.7)	TOMM40 (2.4)	DCPS (2.3)	LSM12 (2.2)
PTPMT1 (2.8)	TMEM208 (2.7)	TOMM40 (2.4)	DCPS (2.3)	LSM12 (2.2)
SPG11 (3.3)	IGF2R (3.3)	SNX13 (3.0)	DUSP3 (2.7)	TMED5 (2.5)
CXXC1 (3.2)	EDC4 (3.1)	NUP93 (3.1)	ACD (3.1)	CBFB (2.8)
BUD13 (3.3)	NUP93 (3.1)	NUP160 (3.1)	RBM6 (3.1)	EDC4 (3.1)
XKR8 (2.8)	ZDHHC18 (2.7)	CCDC116 (2.3)	ARHGAP1 (2.3)	DPEP2 (2.2)
EDC4 (2.7)	E2F4 (2.7)	TMEM208 (2.5)	MIEN1 (2.5)	CCNDBP1 (2.5)
MTMR3 (2.3)	SIK3 (2.3)	GNAO1 (2.2)	SOST (2.2)	MAP1A (2.1)
ZNF335 (2.7)	SNX13 (2.6)	AFF1 (2.6)	TNKS (2.5)	UBR1 (2.4)
TRIB1 (2.9)	PTPRZ1 (2.3)	DPEP3 (2.2)	CCDC18 (2.1)	ZNF335 (1.9)
ZSCAN29 (2.4)	ADAL (2.2)	PTPRZ1 (2.1)	ATG13 (2.1)	MTMR3 (2.0)
NUDT21 (3.4)	CELF1 (3.2)	EDC4 (3.2)	PRMT7 (3.2)	UBR1 (3.0)
SIK3 (2.4)	CCDC92 (2.4)	RNF214 (2.4)	ENSG00000179523 (2	KCTD10 (2.1)
CCDC18 (4.8)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (3.0)
ARID1A (3.1)	MTF2 (3.0)	BUD13 (3.0)	ZNF664 (2.9)	NCOA5 (2.9)
PSMB10 (3.4)	NDUFS3 (3.2)	TMEM208 (3.1)	NUP93 (3.1)	EIF3J (2.8)
LRRC29 (2.6)	KCTD10 (2.4)	GFOD2 (2.2)	SLC9A5 (2.2)	CBFB (2.0)
LRRC29 (2.6)	KCTD10 (2.4)	GFOD2 (2.2)	SLC9A5 (2.2)	CBFB (2.0)
LRRC29 (2.6)	KCTD10 (2.4)	GFOD2 (2.2)	SLC9A5 (2.2)	CBFB (2.0)
CKAP5 (4.8)	MPHOSPH9 (4.2)	FEN1 (4.0)	CENPT (3.8)	WDR76 (2.9)
LRP4 (2.4)	PITPNM2 (2.2)	UBE3B (2.2)	FZD9 (2.2)	TBKBP1 (2.0)
BUD13 (2.6)	SLC7A6OS (2.6)	MBD1 (2.6)	ENSG00000226645 (2	NUDT21 (2.5)
B3GNT9 (2.4)	XKR8 (2.3)	NLRC5 (2.3)	ENSG00000181123 (2	MT1H (2.1)
THAP11 (2.8)	CBFB (2.7)	SETD8 (2.6)	NFATC3 (2.5)	PSKH1 (2.4)
GALNT2 (3.4)	TMEM175 (3.4)	PCSK7 (3.1)	SDF2L1 (2.7)	BACE1 (2.6)
ETV5 (2.9)	RSPO3 (2.3)	B3GNT9 (2.2)	CYP26A1 (2.2)	PLTP (2.1)
CENPT (2.5)	RAB11B (2.2)	RBM5 (2.2)	CCDC92 (2.2)	TAGLN (2.2)
COBLL1 (2.7)	TGM7 (2.5)	ENSG00000255507 (2	SCARB1 (2.4)	CD36 (2.3)
C18orf32 (2.5)	PIGV (2.3)	DDX28 (2.3)	CD300LG (2.1)	DGAT2 (1.9)
FEN1 (4.4)	MPHOSPH9 (3.9)	CCDC18 (3.8)	WDR76 (3.5)	NUP160 (2.9)
CCNDBP1 (2.3)	PTPMT1 (2.3)	CD36 (2.1)	GLUL (2.0)	NDUFS3 (1.9)
ESRP2 (2.7)	ARID1A (2.6)	GRB7 (2.6)	HNF1A (2.5)	PPIP5K1 (2.4)
BCL3 (3.1)	MFAP1 (2.9)	CD40 (2.8)	TRADD (2.8)	DR1 (2.5)
TRNP1 (3.0)	UBE3B (3.0)	PACSIN3 (2.9)	ZNF335 (2.6)	JMJD1C (2.6)
ACD (3.3)	NUP93 (3.2)	CXXC1 (3.2)	POLR2C (3.1)	FAM192A (3.0)
SFN (2.5)	ENSG00000226334 (2	OR5I1 (2.1)	BMP8A (2.0)	MST1R (2.0)
NUP93 (3.5)	NUP160 (3.4)	CXXC1 (3.2)	ACD (3.2)	INTS10 (3.0)
CPS1 (2.5)	ADAL (2.5)	HNF4A (2.5)	HNF1A (2.4)	ABHD6 (2.3)
PDIA3 (3.0)	FADS2 (2.7)	FADS1 (2.5)	SDF2L1 (2.5)	OGFOD1 (2.1)

EDC4 (3.2)	CXXC1 (3.1)	ACD (3.1)	NUP93 (3.1)	CBFB (2.9)
ENSG00000226645 (2	TOMM40 (2.8)	OGFOD1 (2.8)	PRMT7 (2.7)	NUP160 (2.6)
CXXC1 (4.0)	KANK2 (4.0)	ERBB2 (3.3)	KCTD10 (3.1)	MST1R (2.9)
EXOC3L1 (2.4)	MTMR3 (2.4)	E2F4 (2.3)	FBXL20 (2.2)	SETD8 (2.1)
PSMC3 (2.8)	TP53BP1 (2.7)	MTCH2 (2.6)	ATG13 (2.5)	DYM (2.5)
HNF4A (2.3)	AMFR (2.2)	CASC4 (2.2)	SLC9A5 (2.2)	FPR3 (2.1)
TGM5 (2.5)	NFATC3 (2.2)	ENSG00000181123 (2	UVRAG (1.9)	CITED2 (1.9)
FADS2 (4.6)	FADS1 (4.5)	CES4A (4.1)	TGM7 (3.5)	LIPG (3.2)
HSF4 (2.8)	TMEM175 (2.6)	ACP2 (2.2)	ENSG00000182109 (2	ABHD6 (2.1)
ZNF335 (2.7)	OR4A1P (2.5)	SBNO1 (2.5)	DR1 (2.5)	PCIF1 (2.5)
KANK2 (3.3)	CLPTM1 (2.7)	SLC39A13 (2.5)	GPR146 (2.3)	SLC12A4 (1.9)
NUP160 (3.2)	NUP93 (3.1)	CXXC1 (3.0)	TOMM40 (3.0)	ACD (2.6)
KPNB1 (2.6)	MTCH2 (2.2)	TUBGCP4 (2.2)	ZFAND2A (2.1)	PRMT7 (1.9)
INTS10 (2.5)	SLC39A13 (2.5)	AGBL2 (2.5)	FZD9 (2.3)	PIGV (2.3)
CCDC18 (4.9)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (3.2)
FNBP4 (2.6)	NCOA5 (2.4)	KPNB1 (2.2)	TRIB1 (2.0)	FEN1 (2.0)
TECTB (2.7)	MADD (2.1)	TTC39B (1.9)	CTRL (1.8)	ABCB9 (1.8)
NUP93 (3.4)	RBM6 (3.2)	NCOA5 (3.0)	NUP160 (2.9)	ACD (2.8)
ENSG00000182109 (2	SMPD3 (2.7)	SLC39A13 (2.7)	TRPS1 (2.5)	SLC12A4 (2.4)
CCNDBP1 (2.4)	UBE3B (2.4)	ARHGAP1 (2.3)	E2F4 (2.3)	NPEPPS (2.3)
APOA5 (3.4)	HNF4A (3.3)	APOC4 (3.0)	NAGS (2.9)	CES4A (2.9)
NAGS (2.3)	HNF1A (2.2)	PNMT (2.2)	ENSG00000223745 (2	OR4A21P (1.9)
FHOD1 (2.6)	CX3CL1 (2.6)	LILRB2 (2.4)	CELSR2 (2.4)	SNX13 (2.3)
SETD8 (3.2)	NFATC3 (3.0)	BAZ1B (2.8)	EPB42 (2.8)	E2F4 (2.8)
NEUROD2 (2.7)	MACF1 (2.7)	FRMD5 (2.5)	TRPS1 (2.4)	LRRC29 (2.1)
JMJD1C (2.3)	LRP4 (2.1)	CPNE2 (2.0)	ENSG00000226645 (2	BMP8A (1.9)
TRNP1 (2.8)	C1QTNF4 (2.7)	NEUROD2 (2.6)	CCDC92 (2.5)	MADD (2.5)
NUP93 (3.1)	RBM5 (3.1)	EDC4 (2.8)	ACD (2.7)	UBE2L3 (2.6)
FRMD5 (2.2)	SLC12A4 (2.0)	LRP4 (1.9)	AMFR (1.8)	MACF1 (1.8)
DEPDC1 (2.6)	FNBP4 (2.5)	FEN1 (2.4)	SNORD58C (2.4)	NPEPPS (2.3)
SIK3 (2.3)	MED1 (2.3)	PTPRZ1 (2.3)	PITPNM2 (2.2)	CMIP (2.2)
SKA1 (2.7)	SETD8 (2.7)	MST1R (2.6)	C1orf172 (2.5)	RAB11B (2.5)
PRMT7 (3.8)	TOMM40 (3.1)	EIF3J (3.0)	NUP160 (3.0)	KPNB1 (3.0)
EIF3J (2.4)	NUTF2 (2.3)	DCPS (2.3)	ACD (2.2)	BUD13 (2.2)
CSGALNACT1 (2.4)	SIK3 (2.4)	BCL3 (2.4)	ARID1A (2.3)	MACF1 (2.3)
SIDT2 (2.4)	ABHD6 (2.4)	APOA4 (2.3)	HCAR1 (2.1)	PTPMT1 (2.1)
NUP93 (3.1)	RBM6 (3.1)	EDC4 (3.1)	CXXC1 (2.9)	BUD13 (2.8)
CXXC1 (3.2)	NCOA5 (3.2)	ACD (3.0)	ARFGAP2 (2.9)	RBM5 (2.9)
CBFB (2.3)	CPNE2 (2.3)	SETD8 (2.2)	KCTD10 (2.1)	PVRL2 (2.1)
NCOA5 (3.1)	RBM6 (3.1)	KBTBD4 (3.0)	CXXC1 (2.8)	CTDSPL2 (2.6)
ESRP2 (2.4)	ZNF664 (2.3)	PAFAH1B2 (2.2)	SNORD58C (2.1)	MYO5B (2.0)
CYP26A1 (3.0)	LRP4 (2.8)	SLC7A6 (2.6)	MT1M (2.4)	RSPO3 (2.1)
PTPRJ (2.7)	SIK3 (2.7)	CITED2 (2.6)	PCIF1 (2.6)	SETD8 (2.6)
CENPT (3.9)	CCDC18 (3.4)	MPHOSPH9 (3.2)	FEN1 (2.8)	TNKS (2.2)
TRADD (2.2)	DPEP2 (2.1)	LILRA3 (2.0)	SIK3 (1.9)	RELB (1.8)
DOK4 (2.7)	PACSIN3 (2.6)	TAGLN (2.6)	MYO1H (2.2)	ANGPTL4 (1.9)
TGM5 (2.7)	RLTPR (2.7)	SIK3 (2.3)	MAP1A (2.3)	RBPJ (2.0)
LPA (3.0)	SEC14L4 (2.8)	HARBI1 (2.8)	ABHD6 (2.3)	REEP3 (2.2)
DDB2 (2.8)	NUP160 (2.7)	RAPSN (2.5)	BAZ1B (2.5)	SKA1 (2.4)
PAFAH1B2 (2.6)	PITPNM2 (2.6)	PGS1 (2.5)	UVRAG (2.2)	SLC7A6 (2.1)

CDK12 (2.6)	ZDHHC18 (2.6)	SBNO1 (2.6)	NRBF2 (2.5)	MFAP1 (2.5)
PLEKHG4 (2.4)	STRC (2.3)	IGF2R (2.3)	DPEP3 (2.0)	LPL (1.8)
PSMC3 (4.0)	MTCH2 (3.1)	MIEN1 (2.9)	POLR2C (2.9)	SNX10 (2.7)
OGFOD1 (3.2)	GPN2 (3.1)	PRMT7 (3.0)	DDX28 (2.8)	C7orf50 (2.7)
DOCK6 (2.7)	ZNF335 (2.6)	HDAC5 (2.6)	FHOD1 (2.5)	JMJD1C (2.4)
OASL (2.6)	TTC39B (2.5)	SPG11 (2.4)	LILRA3 (2.4)	ENSG00000223745 (2
TGM7 (2.4)	GFOD2 (2.2)	MON1A (2.0)	PGS1 (2.0)	XKR8 (2.0)
PCSK7 (2.4)	SDF2L1 (2.3)	PLTP (2.1)	ST3GAL4 (2.1)	NRBF2 (2.1)
TMEM208 (4.0)	ZFAND2A (3.8)	NDUFS3 (3.4)	POLR2C (3.1)	ENSG00000229043 (2
MT1F (2.8)	PSKH1 (2.8)	TTBK2 (2.8)	CIAPIN1 (2.8)	MT1G (2.7)
GPAM (2.7)	ZNF664 (2.7)	SETD8 (2.6)	DUSP3 (2.6)	IGF2R (2.4)
XKR8 (2.3)	CCL17 (2.3)	CETP (2.2)	ZDHHC18 (2.1)	CD40 (2.1)
ZNF408 (3.6)	POLR2C (3.2)	EDC4 (3.0)	DDX28 (2.9)	ACD (2.9)
ETV5 (2.4)	NEUROD2 (2.1)	ABHD6 (2.1)	C7orf50 (2.0)	TTC39B (1.9)
KPNB1 (3.0)	CTDSPL2 (2.9)	NUP160 (2.9)	SBNO1 (2.9)	EDC4 (2.8)
CCL22 (2.6)	LIPC (2.6)	NR0B2 (2.4)	NLRC5 (2.1)	CD40 (2.1)
TRNP1 (2.6)	BMP8A (2.6)	LRP4 (2.5)	SEC14L4 (2.5)	ERBB2 (2.4)
MYO1H (2.0)	UBR1 (2.0)	EIF3J (2.0)	GPAM (2.0)	DPEP3 (1.9)
CXXC1 (3.1)	BBS2 (2.7)	ACD (2.7)	CCNDBP1 (2.7)	RBM6 (2.7)
SLC12A4 (2.5)	TAGLN (2.5)	SPI1 (2.4)	APOE (2.4)	MED1 (2.4)
NUDT21 (2.9)	PCIF1 (2.8)	E2F4 (2.8)	ARID1A (2.7)	SBNO1 (2.6)
KPNB1 (3.3)	EIF3J (2.8)	OGFOD1 (2.5)	ZFAND2A (2.1)	MON1A (2.0)
CXXC1 (3.2)	ACD (3.0)	EDC4 (3.0)	RBM6 (2.9)	BUD13 (2.8)
CKAP5 (5.1)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (2.9)
ABCB9 (2.4)	ENSG00000247867 (2	SOST (2.1)	COBLL1 (2.0)	BBS2 (1.9)
DOK4 (2.1)	SLC12A4 (2.1)	CSGALNACT1 (2.0)	AFF1 (1.9)	ABCA8 (1.8)
ERBB2 (2.8)	AFF1 (2.5)	PACSIN3 (2.5)	GRB7 (2.4)	RBM6 (2.4)
SNX13 (2.7)	SNX10 (2.7)	PLA2G15 (2.3)	ERBB2 (2.3)	C16orf70 (2.3)
THAP11 (2.9)	EDC4 (2.9)	CCDC18 (2.9)	SBNO1 (2.9)	MTF2 (2.5)
MMAB (2.8)	ENSG00000247445 (2	LIPG (2.4)	SCARB1 (2.2)	FADS2 (2.1)
ZNF350 (3.5)	SEC14L4 (3.1)	ENSG00000247867 (2	ABHD6 (2.7)	AGBL2 (2.7)
CBFB (3.1)	TNKS (2.9)	CENPT (2.5)	DDB2 (2.2)	C16orf48 (2.2)
CBFB (3.1)	TNKS (2.9)	CENPT (2.5)	DDB2 (2.2)	C16orf48 (2.2)
RBM5 (3.1)	ZNF335 (2.8)	SETD8 (2.7)	CXXC1 (2.7)	GPN2 (2.6)
ENSG00000247867 (2	CCNDBP1 (1.9)	C16orf70 (1.9)	PTPMT1 (1.8)	KCTD6 (1.7)
THAP11 (2.5)	EDC4 (2.5)	EIF3J (2.5)	RAB11B (2.4)	E2F4 (2.4)
GPER (2.7)	CCDC116 (2.5)	PPP1R1B (2.3)	SETD8 (2.3)	DNAH10 (2.2)
BAZ1B (3.0)	ARID1A (2.8)	PCIF1 (2.7)	SBNO1 (2.5)	ZNF664 (2.5)
WDR76 (5.0)	CKAP5 (3.8)	CCDC18 (3.6)	CENPT (3.5)	MPHOSPH9 (3.2)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)

MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
MED1 (2.6)	NUP160 (2.6)	EIF3J (2.5)	CENPT (2.5)	DUS2L (2.5)
LILRA3 (2.7)	LILRB2 (2.6)	TBKBP1 (2.3)	IGF2R (2.3)	TRPS1 (2.1)
RBM6 (3.5)	NUP160 (3.5)	EDC4 (3.5)	GPN2 (3.1)	NUDT21 (3.0)
B3GNT9 (2.5)	PXK (2.4)	RNF214 (2.3)	MADD (2.2)	TBKBP1 (2.2)
MAP1A (2.5)	KANK2 (2.5)	PACSIN3 (2.4)	GPR146 (2.4)	TCAP (2.3)
DGKG (2.5)	DUSP3 (2.5)	CX3CL1 (2.5)	DOK4 (2.4)	MACF1 (2.2)
GPN2 (2.5)	C12orf43 (2.5)	FAM192A (2.4)	EYA3 (2.2)	PDHB (2.2)
MST1R (3.3)	SFN (3.2)	MYO5B (3.0)	CMIP (2.7)	GRB7 (2.4)
KCTD10 (2.5)	RBPJ (2.5)	TAGLN (2.4)	OR4A1P (2.3)	NUP160 (2.3)
JMJD1C (2.9)	ENSG00000179523 (2	MED1 (2.8)	BBS2 (2.6)	MFAP1 (2.5)
ENSG00000181123 (1	LILRA3 (1.8)	AMFR (1.4)	PAFAH1B2 (1.4)	C11orf9 (1.4)
TRADD (2.7)	CCDC92 (2.4)	TRNP1 (2.4)	BACE1 (2.3)	NOL3 (2.2)
NUP93 (3.7)	UBE2L3 (3.0)	NUTF2 (2.9)	KPNB1 (2.7)	NOL3 (2.5)
COQ9 (3.5)	PDHB (3.0)	TOMM40 (2.4)	CIAPIN1 (2.3)	NRBF2 (2.2)
PTPRZ1 (2.4)	AGBL2 (2.4)	CYP26A1 (2.4)	KCTD6 (2.1)	FADS2 (2.1)
NUP160 (2.6)	NCOA5 (2.5)	BCL7B (2.4)	FBXL20 (2.4)	BUD13 (2.3)
CTDSPL2 (3.9)	NUDT21 (3.6)	ACD (3.5)	C16orf48 (3.0)	BAZ1B (2.6)
WDR76 (4.4)	CKAP5 (4.1)	CCDC18 (4.0)	PSMC3 (3.4)	MPHOSPH9 (3.3)
TRIB1 (2.6)	MADD (2.5)	GPAM (2.3)	TBKBP1 (2.2)	FBXL20 (2.2)
RLTPR (2.8)	PXK (2.6)	ZDHHC18 (2.5)	SPI1 (2.5)	SIDT2 (2.3)
GLUL (2.2)	ACAA2 (2.2)	MTCH2 (2.2)	MT1M (2.2)	GPAM (2.1)
DEPDC1 (3.0)	CKAP5 (2.8)	CXXC1 (2.5)	CENPT (2.4)	MTF2 (2.4)
ARID1A (2.8)	FRMD5 (2.6)	UBR1 (2.4)	DOK4 (2.4)	SEC14L4 (2.3)
C12orf65 (3.2)	LSM12 (2.8)	MTF2 (2.7)	FAM192A (2.6)	UBE3B (2.6)
KIAA0754 (3.1)	KCTD10 (3.1)	UBE2L3 (2.8)	SLC12A4 (2.8)	DOK4 (2.7)
TOMM40 (2.6)	LCMT2 (2.2)	ADAL (1.9)	TECTB (1.9)	MTCH2 (1.9)
ZNF613 (3.0)	ADAL (2.3)	CPS1 (2.2)	GPIHBP1 (2.0)	STRC (1.9)
BACE1 (2.6)	FRMD5 (2.4)	EXOC3L1 (2.4)	CPNE2 (2.4)	MACF1 (2.3)
ARID1A (2.8)	NFATC3 (2.7)	TRIB1 (2.6)	FEN1 (2.6)	CBFB (2.5)
PYY (2.0)	INTS10 (2.0)	TTBK2 (1.9)	DYM (1.9)	DNAH10 (1.8)
PXK (3.3)	UVRAG (2.9)	MTMR3 (2.8)	KIAA0754 (2.6)	TTC39B (2.6)
ARHGAP1 (2.7)	PXK (2.4)	NPEPPS (2.4)	RAB11B (2.2)	E2F4 (2.1)
CXXC1 (3.1)	NUDT21 (3.1)	ACD (3.1)	EDC4 (3.0)	NUP93 (2.8)
EDC4 (3.5)	PGAP3 (3.4)	MTF2 (2.9)	RSPRY1 (2.7)	MIEN1 (2.7)
PCIF1 (3.3)	NCOA5 (3.2)	SETD8 (2.9)	ZNF614 (2.9)	RAB11B (2.7)
CXXC1 (3.1)	NCOA5 (2.7)	BAZ1B (2.7)	REEP3 (2.5)	IGF2R (2.4)
ST3GAL4 (2.6)	PTPRJ (2.3)	XKR8 (2.2)	NR1H3 (2.1)	TRADD (2.0)
ACD (3.1)	EDC4 (3.1)	RBM6 (2.9)	CXXC1 (2.9)	CBFB (2.8)
RELB (3.0)	BCL3 (2.6)	AFF1 (2.5)	OR5L2 (2.2)	TRADD (2.1)
C18orf32 (2.9)	G6PC3 (2.7)	DGKG (2.3)	CTRL (2.1)	TMEM208 (2.0)
PYY (2.4)	DPEP2 (2.4)	LILRB2 (2.3)	HCAR1 (2.1)	TBKBP1 (2.1)
APOA4 (4.1)	NAGS (3.0)	PYY (2.3)	CPS1 (2.3)	MLXIPL (2.2)
REEP3 (2.3)	G6PC3 (2.2)	LSM12 (2.1)	PSMC3 (2.0)	TOMM40 (2.0)
CCDC18 (4.7)	FEN1 (4.1)	CENPT (3.7)	MPHOSPH9 (3.6)	WDR76 (3.0)
MTMR3 (2.5)	SPG11 (2.4)	NPEPPS (2.4)	MYO5B (2.2)	RBM6 (2.2)
COBLL1 (2.4)	KANK2 (2.3)	STRC (2.3)	CD36 (2.2)	SCARB1 (2.2)
ERBB2 (2.2)	FBXL20 (2.2)	RSPO3 (2.0)	KLF14 (2.0)	EXOC3L1 (1.9)
KCTD6 (2.2)	EPB42 (2.2)	MT1H (2.1)	C17orf57 (2.1)	CITED2 (2.1)

GPAM (2.5)	CES4A (2.4)	APOC4 (2.4)	COQ9 (2.3)	MLXIPL (2.3)
CELSR2 (2.9)	PLTP (2.3)	TBL2 (2.2)	BCAM (2.1)	GLUL (2.0)
CKAP5 (4.9)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (3.3)
CTDSPL2 (3.1)	INTS10 (3.0)	NUP93 (2.9)	UBR1 (2.7)	CKAP5 (2.7)
ELMO3 (3.5)	MST1R (2.8)	PDE3A (2.7)	MAFF (2.4)	BCAM (2.4)
MTF2 (3.0)	MED1 (2.7)	SETD8 (2.6)	CELF1 (2.5)	NCOA5 (2.4)
POLR2C (2.5)	CCDC18 (2.4)	WDR76 (2.4)	NLRC5 (2.3)	RSPRY1 (2.2)
SBNO1 (2.5)	ARID1A (2.4)	AFF1 (2.3)	CKAP5 (2.2)	TNKS (2.2)
C7orf50 (2.1)	C12orf65 (2.1)	MON1A (2.0)	OGFOD1 (2.0)	HSF4 (1.9)
CKAP5 (2.8)	MYBPC3 (2.5)	NCOA5 (2.5)	DOK4 (2.5)	CENPT (2.5)
RBM5 (2.8)	NPEPPS (2.6)	PCIF1 (2.5)	RBM6 (2.4)	ARFGAP2 (2.4)
ZNF614 (2.9)	ZNF615 (2.4)	PXK (2.4)	ETV5 (2.1)	ARHGAP1 (1.9)
KLHL8 (2.2)	B3GNT9 (2.1)	FEN1 (2.1)	CSGALNACT1 (2.1)	KANK2 (2.1)
PXK (2.3)	UBR1 (2.2)	C17orf57 (2.1)	CSGALNACT1 (2.1)	DOCK6 (2.0)
PDIA3 (3.3)	ATG13 (3.3)	TBL2 (3.3)	HERPUD1 (2.8)	ENSG00000247445 (2
COBLL1 (2.1)	HNF4A (2.1)	PDE3A (2.0)	MT1G (1.9)	BCAM (1.8)
NUDT21 (3.0)	EDC4 (3.0)	E2F4 (2.9)	ZNF259 (2.9)	ACD (2.9)
ABCB9 (2.2)	HCAR1 (2.2)	CLPTM1 (2.2)	ZNF613 (1.9)	SNX13 (1.9)
UBE3B (2.2)	RSPO3 (2.1)	EXOC3L1 (2.1)	FBXL20 (2.0)	KLF14 (2.0)
ZDHHC18 (2.7)	CCL22 (2.7)	PLTP (2.6)	SNX10 (2.2)	BCL3 (2.1)
ETV5 (4.3)	ZFAND2A (3.2)	FHOD1 (3.0)	VEGFA (2.6)	HDAC5 (2.5)
SNX10 (2.8)	C16orf70 (2.7)	IGF2R (2.7)	MFAP1 (2.6)	UBE2L3 (2.6)
ESRP2 (3.1)	PTPRZ1 (2.8)	CELSR2 (2.6)	ELMO3 (2.3)	MST1R (2.2)
TMEM175 (2.4)	ZNF615 (2.4)	ZSCAN29 (2.2)	SLC39A13 (2.2)	G6PC3 (2.1)
SIK3 (2.6)	C11orf9 (2.3)	PAFAH1B2 (2.2)	FRMD5 (2.2)	ABHD6 (2.1)
ZNF335 (3.0)	EDC4 (2.9)	MFAP1 (2.7)	E2F4 (2.7)	POLR2C (2.6)
FZD9 (2.6)	SLC39A13 (2.4)	CYP26A1 (2.4)	RSPO3 (2.2)	GPIHBP1 (2.2)
BUD13 (3.2)	PGAP3 (3.2)	FBXL20 (2.8)	KBTBD4 (2.6)	GPN2 (2.6)
NUP160 (2.4)	NUP93 (2.2)	UBE3B (2.2)	SBNO1 (2.1)	ZNF664 (2.1)
DDX28 (3.1)	BBS2 (3.0)	RSPRY1 (2.8)	DUS2L (2.8)	PLA2G6 (2.7)
C19orf80 (2.2)	CPS1 (2.2)	GPER (2.2)	CMIP (2.1)	SLC22A1 (1.9)
DDX28 (3.1)	UVRAG (3.0)	KBTBD4 (2.6)	RANBP10 (2.6)	TRADD (2.6)
TBL2 (3.2)	MT1H (2.9)	SIDT2 (2.7)	ZNF615 (2.7)	ZNF408 (2.7)
OR4A21P (2.7)	TECTB (2.5)	ENSG00000254235 (2	OR5L2 (2.2)	HARBI1 (2.1)
FBXL20 (2.2)	ERBB2 (2.2)	C1QTNF4 (1.9)	DOK4 (1.9)	ARID1A (1.8)
PLG (2.6)	DNAH10 (2.0)	DPEP3 (1.9)	ENSG00000247867 (1	HNF1A (1.6)
RBM5 (3.3)	PDIA3 (2.8)	MAFF (2.7)	SNX10 (2.5)	CES4A (2.4)
CDK12 (3.7)	ERBB2 (3.5)	GRB7 (3.3)	KBTBD4 (3.3)	MTF2 (3.0)
MT1X (2.4)	FZD9 (2.3)	CYP26A1 (2.3)	LRP4 (2.1)	MT1G (2.0)
CXXC1 (3.3)	BUD13 (3.2)	NPEPPS (2.9)	EDC4 (2.9)	DCPS (2.9)
CXXC1 (3.3)	BUD13 (3.2)	NPEPPS (2.9)	EDC4 (2.9)	DCPS (2.9)
C16orf86 (2.2)	TRADD (2.1)	RLTPR (2.1)	LILRB2 (2.0)	TECTB (2.0)
SLC12A4 (2.7)	COBLL1 (2.5)	SIK3 (2.3)	RSPO3 (2.2)	HCAR1 (2.1)
RBM6 (3.4)	NUP93 (3.2)	ACD (3.0)	BUD13 (2.9)	POLR2C (2.8)
SLC12A4 (2.5)	BMP8A (2.4)	NAGS (2.4)	EXOC3L1 (2.4)	PLA2G15 (2.4)
THAP11 (3.0)	FAM192A (2.9)	NUDT21 (2.7)	OGFOD1 (2.6)	KLHL8 (2.6)
AFF1 (2.8)	PACSIN3 (2.7)	ERBB2 (2.7)	IGF2R (2.6)	UBE3B (2.6)
ZFAND2A (3.2)	SLC7A6OS (3.1)	EIF3J (3.1)	CBFB (3.1)	NUP93 (3.0)
UBE2L3 (2.0)	TRIB1 (2.0)	ZDHHC18 (1.9)	PVRL2 (1.9)	ARID1A (1.8)
KLHL8 (2.7)	NOL3 (2.5)	FRMD5 (2.4)	HNF1A (2.3)	GNAO1 (2.3)

MTF2 (3.6)	JMJD1C (2.7)	SNORD58C (2.3)	RBPJ (2.1)	UBE2L3 (2.1)
HCAR1 (2.1)	ZNF614 (2.1)	MBD1 (2.1)	C12orf65 (1.9)	TGM7 (1.9)
UBE3B (2.7)	DUSP3 (2.7)	HERPUD1 (2.4)	FRMD5 (2.4)	ENSG00000255507 (2
FADS2 (3.4)	FADS1 (3.4)	MVK (3.0)	LIPG (2.8)	MMAB (2.6)
NUP93 (3.1)	BUD13 (3.0)	RBM5 (2.9)	CXXC1 (2.8)	PCIF1 (2.6)
PVRL2 (2.5)	FPR3 (2.5)	LRP4 (2.5)	FHOD1 (2.4)	SLC39A13 (2.2)
DCPS (2.7)	HERPUD1 (2.6)	SNORD58C (2.6)	DYM (2.4)	TMED5 (2.3)
HCAR1 (2.4)	B3GNT9 (2.4)	DGKG (2.4)	CTRL (2.4)	DGAT2 (2.3)
CTDSPL2 (2.8)	MFAP1 (2.8)	EIF3J (2.8)	TUBGCP4 (2.6)	SBNO1 (2.5)
NRBF2 (3.0)	CDK12 (3.0)	RBM5 (2.9)	FAM192A (2.9)	MTF2 (2.7)
ACD (3.1)	NUP93 (3.0)	RBM6 (2.9)	CXXC1 (2.8)	CBFB (2.7)
SETD8 (2.7)	KIAA0895L (2.6)	DOK4 (2.5)	CCDC92 (2.4)	PVRL2 (2.4)
ABCA8 (3.4)	SEC14L4 (3.3)	AGBL2 (3.1)	APOC4 (2.7)	ENSG00000236267 (2
ABCA8 (3.4)	SEC14L4 (3.3)	AGBL2 (3.1)	APOC4 (2.7)	ENSG00000236267 (2
HDAC5 (2.7)	CBFB (2.6)	THAP11 (2.6)	GPIHBP1 (2.5)	LIPG (2.3)
AFF1 (2.5)	RELB (2.4)	LILRB2 (2.3)	ENSG00000226645 (2	LIPG (2.2)
BCL3 (2.3)	SFN (2.2)	MTMR3 (2.1)	TRIB1 (2.0)	NRBF2 (2.0)
ACD (3.0)	PCIF1 (3.0)	NUP93 (2.9)	EDC4 (2.9)	SLC7A6OS (2.9)
FADS1 (3.5)	LRP4 (3.0)	RSPO3 (2.7)	CYP26A1 (2.7)	PTPRZ1 (2.6)
MYO5B (4.3)	CELSR2 (3.5)	PTPRZ1 (2.8)	TGM5 (2.6)	MYBPC3 (2.5)
DOCK6 (2.6)	HDAC5 (2.5)	RBM5 (2.4)	MACF1 (2.4)	PLTP (2.3)
PGAP3 (2.8)	FBXL20 (2.6)	HDAC5 (2.5)	MON1A (2.4)	ENSG00000181296 (2
CKAP5 (5.1)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (2.9)
HNF1A (3.5)	CES4A (3.5)	REEP3 (3.4)	PXK (3.1)	ACP2 (2.8)
TBKBP1 (2.3)	KCTD6 (2.2)	FZD9 (2.2)	C17orf57 (1.9)	ABCB9 (1.9)
PGAP3 (2.8)	CDK12 (2.8)	NUP160 (2.6)	YDJC (2.3)	LCMT2 (2.3)
PSMB10 (2.2)	KCTD10 (2.2)	C11orf9 (2.2)	BCL3 (2.1)	SFN (2.1)
SFN (3.0)	RSPO3 (2.9)	SOST (2.7)	ETV5 (2.6)	SLC7A6 (2.5)
ELMO3 (3.2)	PTPRZ1 (3.2)	ESRP2 (3.1)	CELSR2 (3.0)	CX3CL1 (2.4)
PTPRJ (2.3)	DPEP2 (2.3)	C12orf65 (2.3)	KIAA0754 (2.3)	DR1 (2.2)
CIAPIN1 (3.6)	ZFAND2A (3.5)	PSMB10 (3.4)	POLR2C (3.0)	TMEM208 (2.9)
ZNF664 (1.9)	PLA2G6 (1.9)	ZNF615 (1.7)	OR5L2 (1.7)	LPL (1.7)
CELSR2 (2.4)	SIK3 (2.4)	GLUL (2.3)	MACF1 (2.3)	TAGLN (2.1)
FBXL20 (2.0)	SLC7A6 (2.0)	TAGLN (2.0)	RSPO3 (2.0)	ARID1A (1.9)
CCL17 (2.6)	RSPRY1 (2.2)	PCSK7 (2.2)	IGF2R (2.0)	AMBRA1 (1.9)
CELF1 (2.4)	OR5I1 (2.4)	UBR1 (2.1)	MLXIPL (2.1)	PPP1R1B (2.0)
CELF1 (2.4)	OR5I1 (2.4)	UBR1 (2.1)	MLXIPL (2.1)	PPP1R1B (2.0)
FRMD5 (2.2)	SIK3 (2.2)	PXK (2.0)	CPNE2 (1.9)	MYO5B (1.9)
CCDC18 (4.7)	FEN1 (4.3)	CENPT (4.1)	MPHOSPH9 (4.1)	WDR76 (3.0)
CCDC18 (4.9)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.8)	WDR76 (2.9)
KLF14 (2.6)	CMIP (2.6)	PDE3A (2.4)	GNAO1 (2.1)	CD300LG (2.0)
ABCB9 (2.7)	B3GNT9 (2.5)	DNAH10 (2.4)	TGM5 (2.1)	TRPS1 (2.0)
CD36 (2.4)	EXOC3L1 (2.2)	ZNF664 (2.2)	HCAR1 (2.0)	DOCK6 (1.9)
ACP2 (2.3)	SLC7A6OS (2.2)	OR4A1P (2.1)	PLA2G15 (2.1)	EXOC3L1 (1.9)
PSMB10 (3.7)	TMEM208 (3.6)	RANBP10 (3.3)	DDX28 (2.9)	NUP93 (2.8)
PSMB10 (4.1)	TMEM208 (3.7)	NDUFS3 (3.3)	PDIA3 (2.7)	NUP93 (2.7)
DCPS (2.9)	DDX28 (2.9)	KCTD6 (2.5)	NUP160 (2.5)	FEN1 (2.5)
IGF2R (2.4)	CD40 (2.4)	LILRB2 (2.4)	RSPRY1 (2.2)	PCSK7 (2.2)
CCDC116 (2.5)	SIDT2 (2.5)	CES4A (2.5)	XKR8 (2.4)	PTPMT1 (2.3)
MST1R (5.0)	SFN (4.5)	GRB7 (3.6)	MYO5B (2.4)	CMIP (2.4)

KCTD10 (2.4)	ENSG00000179523 (2	ENSG00000254235 (2	GALNT2 (2.0)	TAGLN (1.9)
TGM7 (2.2)	BCAM (2.1)	ABCA8 (2.1)	AGBL2 (2.1)	LRP4 (2.1)
LCMT2 (2.8)	DPEP3 (2.6)	BBS2 (2.5)	NCOA5 (2.3)	RBM6 (2.3)
ZFAND2A (3.9)	TMEM208 (3.8)	NUP93 (3.4)	CIAPIN1 (3.1)	NUTF2 (3.1)
THAP11 (2.6)	NCOA5 (2.6)	CITED2 (2.5)	HDAC5 (2.4)	FEN1 (2.3)
CCDC18 (4.6)	FEN1 (4.5)	CENPT (4.3)	MPHOSPH9 (4.0)	WDR76 (3.3)
GNAO1 (2.3)	SLC12A3 (2.3)	TMEM62 (2.2)	HERPUD1 (2.2)	PLG (2.1)
LRRC29 (2.8)	ARFGAP2 (2.6)	C11orf49 (2.6)	KBTBD4 (2.5)	GNAO1 (2.3)
CENPT (2.6)	CKAP5 (2.4)	WDR76 (2.4)	PSMC3 (2.3)	NUTF2 (2.2)
MT1H (2.2)	OR5J2 (2.1)	CITED2 (2.0)	GLUL (2.0)	C12orf65 (2.0)
AFF1 (2.8)	RELB (2.4)	ANGPTL4 (2.1)	PGS1 (2.0)	CETP (2.0)
HSF4 (2.8)	BCL7B (2.5)	PLTP (2.5)	FRMD5 (2.4)	PDE3A (2.3)
PXK (3.2)	SIDT2 (2.7)	UVRAG (2.6)	MADD (2.6)	PAFAH1B2 (2.4)
ERBB2 (2.8)	PACSIN3 (2.5)	GRB7 (2.5)	RBM6 (2.4)	IGF2R (2.4)
PGAP3 (4.8)	GRB7 (4.4)	MTF2 (3.7)	FBXL20 (3.5)	JMJD1C (3.4)
CIAPIN1 (2.7)	CLPTM1 (2.3)	LSM12 (2.2)	MACF1 (2.2)	OGFOD1 (2.1)
FHOD1 (2.6)	MTMR3 (2.6)	ARHGAP1 (2.5)	UBR1 (2.4)	DYM (2.4)
DR1 (2.6)	EDC4 (2.6)	SBNO1 (2.4)	CXXC1 (2.4)	MFAP1 (2.3)
EYA3 (2.9)	ARID1A (2.9)	FHOD1 (2.5)	DOK4 (2.4)	ENSG00000226645 (2
ENSG00000256746 (2	SMPD3 (2.1)	DPEP2 (2.0)	PLA2G15 (1.9)	SLC7A6 (1.9)
THAP11 (2.4)	ZNF664 (2.4)	PCIF1 (2.4)	SETD8 (2.3)	E2F4 (2.3)
CYP26A1 (3.7)	APOB (3.6)	C11orf9 (3.0)	NAGS (2.9)	APOC4 (2.6)
NLRC5 (2.5)	PSMB10 (2.4)	DPEP2 (2.4)	SLC7A6 (2.1)	ACP2 (2.1)
PITPNM2 (2.5)	MAP1A (2.5)	SLC9A5 (2.3)	MYO5B (2.2)	FHOD1 (2.0)
CCDC18 (4.9)	FEN1 (4.7)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (3.0)
PXK (3.1)	PVRL2 (3.1)	KIAA0754 (3.0)	PAFAH1B2 (2.7)	MTMR3 (2.2)
CPNE2 (2.8)	ZNF615 (2.8)	RAB11B (2.6)	MTF2 (2.5)	CKAP5 (2.4)
MTF2 (2.8)	KLHL8 (2.6)	CXXC1 (2.5)	DR1 (2.4)	BAZ1B (2.3)
MADD (2.3)	SLC12A3 (2.2)	TMEM208 (2.1)	AMFR (2.1)	PTPRZ1 (2.0)
BUD13 (2.4)	EDC4 (2.3)	TOMM40 (2.2)	NCOA5 (2.2)	WDR76 (2.2)
TMEM208 (4.7)	MTCH2 (3.9)	ZFAND2A (3.8)	SDF2L1 (3.0)	CIAPIN1 (2.9)
RSPRY1 (2.6)	NUP160 (2.5)	KLHL8 (2.5)	BBS2 (2.4)	NUDT21 (2.3)
RNF214 (2.3)	SEC14L4 (2.0)	ACAA2 (2.0)	THAP11 (2.0)	ELMO3 (2.0)
PVRL2 (2.2)	ZNF335 (2.0)	UBE2L3 (1.9)	KIAA0895L (1.9)	C11orf49 (1.8)
KCTD19 (2.5)	TMEM175 (2.5)	ENSG00000181123 (2	GPER (2.2)	ENSG00000226334 (2
OGFOD1 (2.7)	CCNDBP1 (2.6)	FPR3 (2.5)	EPB42 (2.5)	TMEM208 (2.5)
PYY (3.0)	CELSR2 (2.6)	PTPRZ1 (2.0)	C18orf32 (2.0)	C1QTNF4 (1.8)
TBKBP1 (2.6)	MPP2 (2.6)	SCARB1 (2.6)	HDAC5 (2.4)	CCDC92 (2.4)
RBM6 (3.3)	NUP93 (3.1)	BUD13 (3.0)	CXXC1 (3.0)	NCOA5 (2.9)
RELB (2.8)	DGKG (2.8)	TCAP (2.7)	PPP1R1B (2.6)	PACSIN3 (2.5)
RELB (2.8)	DGKG (2.8)	TCAP (2.7)	PPP1R1B (2.6)	PACSIN3 (2.5)
RELB (2.8)	DGKG (2.8)	TCAP (2.7)	PPP1R1B (2.6)	PACSIN3 (2.5)
TBL2 (2.9)	HERPUD1 (2.7)	G6PC3 (2.4)	CELSR2 (2.4)	CD40 (2.3)
CLPTM1 (3.7)	TBL2 (3.6)	TMED5 (3.5)	GALNT2 (3.1)	G6PC3 (2.9)
BBS2 (3.1)	NUP93 (3.1)	TP53BP1 (3.0)	CKAP5 (2.9)	EDC4 (2.9)
C18orf32 (2.4)	CTDSPL2 (2.4)	ERBB2 (2.3)	RBPJ (2.2)	ZFAND2A (2.0)
MON1A (2.6)	NR0B2 (2.5)	OR5I1 (2.4)	CCDC11 (2.3)	ST3GAL4 (2.2)
EDC4 (3.2)	MTF2 (3.1)	SLC7A6OS (3.0)	LSM12 (2.9)	MIEN1 (2.9)
DGKG (2.9)	MPP2 (2.7)	C1QTNF4 (2.6)	PPP1R1B (2.5)	MAP1A (2.5)
PDE3A (4.2)	PACSIN3 (3.5)	SPRYD5 (2.5)	DGKG (2.2)	VEGFA (2.0)

CXXC1 (2.9)	PCIF1 (2.9)	EDC4 (2.8)	NUDT21 (2.8)	INTS10 (2.7)
PNMT (2.3)	CYP26A1 (2.2)	BACE1 (2.2)	ENSG00000179523 (2	UBR1 (2.0)
MIEN1 (2.0)	MTMR3 (2.0)	ARHGAP1 (1.9)	BACE1 (1.9)	OR5J2 (1.9)
EDC4 (3.0)	ACD (2.9)	PCIF1 (2.9)	CXXC1 (2.8)	RBM6 (2.8)
MTCH2 (4.3)	ZFAND2A (3.7)	NDUFS3 (3.3)	POLR2C (3.2)	NOL3 (3.1)
KIAA0754 (2.6)	PXK (2.5)	AFF1 (2.4)	UBR1 (2.4)	MADD (2.3)
CX3CL1 (2.7)	JMJD1C (2.5)	CLPTM1 (2.5)	CPNE2 (2.4)	REEP3 (2.1)
FPR3 (2.0)	CATSPER2 (1.8)	COX19 (1.6)	DNAH10 (1.6)	LILRB2 (1.5)
KIAA0754 (2.8)	PXK (2.7)	AFF1 (2.5)	DOCK6 (2.5)	SPI1 (2.4)
VEGFA (2.8)	ZFAND2A (2.7)	NPEPPS (2.7)	SDF2L1 (2.6)	MTCH2 (2.5)
ST3GAL4 (2.7)	ENSG00000223745 (2	ENSG00000254235 (2	STRC (2.2)	KLF14 (2.1)
MPP2 (2.5)	SPG11 (2.2)	RSPRY1 (2.1)	RSPO3 (2.0)	NFATC3 (1.9)
TMED5 (3.0)	CCDC11 (2.1)	ZNF614 (2.0)	SLC12A4 (2.0)	ARHGAP1 (2.0)
ZNF408 (2.8)	PGS1 (2.7)	UVRAG (2.6)	KBTBD4 (2.6)	AMBRA1 (2.5)
HERPUD1 (2.6)	PTPRJ (2.5)	SDF2L1 (2.5)	TOMM40 (2.4)	RELB (2.3)
TMEM208 (4.3)	ZFAND2A (3.4)	MIEN1 (3.1)	NDUFS3 (3.1)	POLR2C (2.9)
PGAP3 (3.5)	FNBP4 (3.5)	ARID1A (3.2)	CELF1 (3.1)	TP53BP1 (3.1)
NUP160 (3.1)	INTS10 (3.0)	TNKS (2.9)	ACD (2.9)	NUDT21 (2.9)
FRMD5 (3.4)	RELB (2.9)	PLA2G15 (2.8)	ARHGAP1 (2.6)	PDE3A (2.5)
TMEM208 (3.5)	MTCH2 (3.4)	EIF3J (3.1)	DDX28 (2.8)	NDUFS3 (2.7)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (2.9)
PPY (2.5)	SPRYD5 (2.4)	GPIHBP1 (2.1)	ZNF614 (2.1)	CSGALNACT1 (2.0)
ZNF615 (2.8)	ESRP2 (2.8)	MTMR3 (2.7)	CBFB (2.7)	PXK (2.6)
PTPRJ (2.7)	ENSG00000256746 (2	NR1H3 (2.4)	TNKS (2.3)	SOST (2.2)
CPNE2 (3.2)	C11orf9 (3.1)	SLC39A13 (3.0)	PTPRZ1 (2.9)	PVRL2 (2.8)
VEGFA (2.3)	EPB42 (2.2)	C1QTNF4 (2.2)	TMEM62 (2.2)	APOA4 (2.1)
PLTP (2.1)	TRPS1 (2.0)	LRRC29 (2.0)	TRADD (1.9)	PYY (1.8)
APOA4 (2.5)	OR4A1P (2.2)	DUS2L (2.1)	EPB42 (2.1)	GPER (2.1)
PTPRJ (3.0)	CCL22 (2.9)	UVRAG (2.6)	DUS2L (2.5)	BCL3 (2.2)
ENSG00000181296 (2	TAGLN (2.3)	MT1X (2.2)	MT1H (2.1)	PDIA3 (2.1)
PSMB10 (3.1)	BCL3 (3.1)	TRADD (2.8)	FNBP4 (2.7)	PIGV (2.2)
EDC4 (3.3)	ACD (3.2)	NUP93 (3.1)	CXXC1 (3.1)	RBM5 (2.9)
PLEKHG4 (2.6)	THAP11 (2.6)	NRBF2 (2.6)	CMIP (2.3)	AFF1 (2.3)
DDX28 (3.2)	SLC7A6OS (3.1)	SNORD58C (2.8)	DUS2L (2.7)	C7orf50 (2.6)
ZDHHC18 (2.5)	CD40 (2.4)	PCSK7 (2.3)	TRADD (2.1)	XKR8 (2.0)
GNAO1 (3.2)	MYO5B (3.1)	DOK4 (2.8)	C1QTNF4 (2.7)	C11orf49 (2.3)
RELB (3.1)	NR1H3 (2.8)	VEGFA (2.2)	SPI1 (2.1)	APOE (1.9)
PSMB10 (4.7)	HERPUD1 (3.6)	LILRA3 (3.2)	TP53BP1 (3.0)	CATSPER2 (2.8)
CKAP5 (4.9)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (3.1)
MFAP1 (2.9)	CCNDBP1 (2.8)	THAP11 (2.8)	EIF3J (2.7)	SLC7A6OS (2.7)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.0)	MPHOSPH9 (3.7)	WDR76 (2.9)
HERPUD1 (2.9)	MAP1A (2.5)	LIPG (2.3)	LRP4 (2.3)	ABCB9 (2.3)
RLTPR (2.9)	CELSR2 (2.8)	KIAA0895L (2.6)	MPP3 (2.5)	ABHD6 (2.5)
ESRP2 (4.4)	CELSR2 (3.8)	ELMO3 (3.0)	PTPRZ1 (2.7)	TGM5 (2.7)
TMEM208 (3.7)	G6PC3 (3.5)	TMEM101 (3.4)	TMED5 (3.4)	PIGV (3.1)
TSNAXIP1 (1.8)	CYP2W1 (1.8)	KIAA0895L (1.8)	ENSG00000254235 (1	SIK3 (1.8)
MST1R (4.0)	SFN (3.4)	MYO5B (3.3)	CMIP (3.3)	REEP3 (2.9)
IGF2R (2.9)	NLRC5 (2.8)	CX3CL1 (2.4)	RAB11B (2.2)	PITPNM2 (2.2)
PLA2G6 (2.4)	CCDC116 (2.4)	MADD (2.4)	RNF214 (2.3)	MON1A (2.2)
GNAO1 (2.3)	PPP1R1B (2.2)	CELSR2 (2.2)	ANGPTL4 (2.1)	CD300LG (2.1)

EDC4 (3.2)	NUP93 (3.1)	UBR1 (2.9)	TP53BP1 (2.8)	CKAP5 (2.7)
NUP93 (3.0)	NCOA5 (2.9)	CXXC1 (2.8)	EDC4 (2.8)	ACD (2.7)
BAZ1B (3.6)	DR1 (3.2)	POLR2C (3.1)	OGFOD1 (3.0)	NUTF2 (3.0)
CTDSPL2 (3.0)	NUDT21 (3.0)	ADAL (3.0)	THAP11 (3.0)	ZSCAN29 (2.9)
C16orf86 (3.4)	DOCK6 (3.1)	MYO1H (2.9)	TBKBP1 (2.9)	CSGALNACT1 (2.7)
ARFGAP2 (3.1)	BUD13 (2.9)	CXXC1 (2.9)	CELF1 (2.8)	NCOA5 (2.7)
NUTF2 (2.8)	KPNB1 (2.6)	C12orf43 (2.3)	RBM6 (2.2)	PRMT7 (2.1)
BCAM (2.1)	GPAM (2.0)	FZD9 (1.9)	MLXIPL (1.9)	APOC1 (1.9)
ARID1A (3.2)	EDC4 (3.1)	CXXC1 (3.0)	NUP160 (3.0)	NUDT21 (3.0)
BCL3 (1.8)	TMEM62 (1.7)	BMP8A (1.7)	FNBP4 (1.7)	CD40 (1.5)
CCDC116 (2.7)	PXK (2.4)	CYP2W1 (2.3)	UVRAG (2.3)	DPEP2 (2.2)
SDF2L1 (2.5)	PDIA3 (2.4)	ENSG00000236267 (2	TAGLN (2.3)	TGM5 (2.2)
ZDHHC18 (2.6)	ARID1A (2.3)	SLC7A6 (2.1)	MTF2 (2.1)	PSMB10 (1.8)
PSMB10 (2.2)	OASL (2.1)	GFOD2 (2.0)	COX19 (2.0)	KLHL8 (1.9)
RBM5 (2.6)	FHOD1 (2.6)	CPNE2 (2.5)	ARHGAP1 (2.5)	PVRL2 (2.1)
KCTD10 (2.6)	APOE (2.2)	TRNP1 (2.1)	PITPNM2 (2.0)	CCL22 (2.0)
FAM192A (2.9)	POLR2C (2.9)	ACD (2.8)	PCIF1 (2.8)	FNBP4 (2.4)
PPIP5K1 (2.2)	PDIA3 (2.1)	MYBPC3 (2.1)	RBM5 (2.1)	NDUFS3 (2.0)
DGKG (2.5)	FHOD1 (2.5)	PITPNM2 (2.3)	MT1F (2.2)	UBE3B (2.2)
MTCH2 (4.1)	NOL3 (3.8)	POLR2C (3.4)	ZFAND2A (3.3)	NUTF2 (3.2)
NOL3 (2.3)	GPAM (2.2)	PPP1R1B (2.2)	FHOD1 (2.2)	PACSIN3 (2.1)
CKAP5 (5.1)	FEN1 (4.0)	CENPT (3.8)	MPHOSPH9 (3.6)	WDR76 (3.1)
ERBB2 (2.2)	DGKG (2.0)	TAGLN (2.0)	VEGFA (1.9)	CCDC116 (1.9)
ABCA8 (3.4)	SEC14L4 (3.3)	AGBL2 (3.1)	APOC4 (2.7)	ENSG00000236267 (2
CCDC18 (5.3)	FEN1 (4.2)	CENPT (4.0)	MPHOSPH9 (4.0)	WDR76 (2.7)
IGF2R (2.2)	BCAM (2.1)	TGM7 (2.0)	COBLL1 (1.7)	PDE3A (1.7)
BUD13 (3.3)	EDC4 (3.1)	NUP93 (3.1)	NUP160 (3.1)	ACD (3.0)
TAGLN (3.5)	MYO1H (3.1)	DOCK6 (2.8)	GPIHBP1 (2.8)	KANK2 (2.7)
MT1M (3.0)	NRBF2 (2.9)	MADD (2.6)	UVRAG (2.6)	GPAM (2.6)
PSMC3 (2.4)	PDHB (2.3)	PDIA3 (2.3)	ACAA2 (2.3)	CIAPIN1 (2.2)
CCL22 (2.1)	ENSG00000181123 (2	ENSG00000247445 (2	C17orf105 (1.9)	ABCA8 (1.8)
NUDT21 (3.3)	NUP160 (3.2)	NUP93 (3.2)	THAP11 (3.2)	MFAP1 (3.2)
ARID1A (2.9)	RBM6 (2.9)	ACD (2.7)	NCOA5 (2.6)	CXXC1 (2.6)
PTPRJ (2.5)	CD40 (2.5)	FPR3 (2.4)	SNX10 (2.3)	ENSG00000247445 (2
CCDC18 (5.1)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (3.1)
ENSG00000223745 (2	LILRB2 (1.9)	C17orf105 (1.8)	SEC14L4 (1.8)	MLXIPL (1.6)
ZNF614 (3.0)	CTDSPL2 (2.9)	DDX28 (2.8)	SLC7A6OS (2.7)	GLUL (2.6)
GPN2 (2.9)	FNBP4 (2.7)	SNORD58C (2.6)	CELF1 (2.6)	NCOA5 (2.6)
TRIB1 (2.5)	PPY (2.5)	CTRL (2.5)	SCARB1 (2.3)	FRMD5 (2.2)
PLA2G6 (1.8)	DYM (1.7)	TRPS1 (1.6)	ARID1A (1.6)	CCDC18 (1.5)
SLC7A6 (3.4)	LSM12 (3.3)	DUS2L (3.3)	DYM (3.0)	PSMC3 (2.9)
PVRL2 (2.6)	ERBB2 (2.5)	LRP4 (2.4)	GRB7 (2.4)	TMEM101 (2.3)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
SMPD3 (2.4)	BCL3 (2.2)	NFATC3 (2.1)	PTPRZ1 (2.1)	SETD8 (2.1)
CD36 (2.7)	TBKBP1 (2.6)	MPP2 (2.5)	BACE1 (2.5)	TUBGCP4 (2.4)
DOK4 (2.5)	ENSG00000254235 (2	KANK2 (2.4)	TAGLN (2.2)	SLC39A13 (2.1)
RAB11B (3.2)	EDC4 (3.0)	RANBP10 (2.9)	MIEN1 (2.6)	PCSK7 (2.6)
HNF1A (2.3)	TBL2 (2.2)	RSPRY1 (2.2)	APOA4 (2.1)	PTPRZ1 (1.9)
OGFOD1 (3.1)	PRMT7 (2.8)	SLC7A6OS (2.7)	YDJC (2.6)	ZNF408 (2.6)
MTCH2 (3.9)	ZFAND2A (3.5)	NDUFS3 (3.1)	CIAPIN1 (2.8)	NUP93 (2.7)

KPNB1 (2.8)	ACD (2.8)	RBM5 (2.8)	NUP160 (2.8)	NCOA5 (2.8)
PCIF1 (3.4)	MED1 (2.8)	CLPTM1 (2.7)	CD40 (2.6)	ARID1A (2.5)
BCAM (3.8)	C1orf172 (3.5)	MST1R (3.4)	MYO5B (3.4)	ESRP2 (3.2)
BCAM (2.8)	SLC39A13 (2.7)	ABCB9 (2.3)	MYO5B (2.2)	TECTB (2.1)
CKAP5 (3.6)	CCDC18 (3.5)	POLR2C (2.6)	CBFB (2.6)	C16orf48 (2.6)
CD300LG (2.4)	PGAP3 (2.4)	CYP26A1 (2.3)	AMFR (2.2)	KCTD6 (2.2)
EDC4 (2.4)	BCL7B (2.4)	ARID1A (2.4)	SLC7A6OS (2.3)	FAM192A (2.3)
TUBGCP4 (2.9)	MFAP1 (2.7)	ADAL (2.7)	BCL7B (2.5)	RANBP10 (2.4)
GPIHBP1 (3.2)	CD36 (3.0)	APOE (2.9)	CCL22 (2.8)	DOCK6 (2.4)
MAFF (3.0)	ETV5 (2.5)	VEGFA (2.4)	ENSG00000247445 (2	ARID1A (1.9)
C1orf172 (3.0)	LRP4 (2.8)	BCAM (2.4)	UVRAG (2.2)	C11orf9 (2.0)
PITPNM2 (2.5)	PVRL2 (2.3)	CCDC116 (2.3)	CD300LG (2.0)	MACF1 (2.0)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (3.0)
TNKS (2.3)	TP53BP1 (2.2)	MTMR3 (2.1)	UBE3B (2.0)	SPG11 (1.9)
BMP8A (2.7)	GPAM (2.4)	ZSCAN29 (2.3)	CD40 (2.3)	SLC12A4 (2.3)
PVRL2 (2.1)	RELB (2.0)	PGS1 (2.0)	BCL3 (2.0)	CENPT (2.0)
ACD (2.8)	FAM192A (2.8)	EIF3J (2.8)	DR1 (2.8)	NRBF2 (2.6)
AFF1 (3.2)	GPN2 (2.9)	JMJD1C (2.9)	BAZ1B (2.7)	PRMT7 (2.7)
MYO1H (2.3)	OR5I1 (2.2)	ENSG00000236267 (2	TGM7 (2.1)	MPP2 (1.8)
PLTP (2.5)	PCSK7 (2.3)	SNX13 (2.3)	ENSG00000255507 (2	OR4A1P (2.1)
MON1A (2.6)	DOCK6 (2.3)	MST1R (2.3)	SLC9A5 (2.1)	PCSK7 (2.0)
MTCH2 (3.7)	PPIP5K1 (3.0)	TMEM208 (2.7)	PTPMT1 (2.6)	COX19 (2.3)
SEC14L4 (3.9)	ENSG00000236267 (3	SLC22A1 (3.5)	HNF4A (3.3)	LCAT (3.1)
RBM6 (3.1)	NUP93 (3.0)	CXXC1 (2.9)	ARID1A (2.9)	UBE2L3 (2.8)
UBR1 (2.2)	DYM (2.1)	JMJD1C (2.1)	ZDHHC18 (2.0)	AFF1 (1.9)
ENSG00000247445 (2	CD40 (2.6)	PTPRJ (2.6)	SNX10 (2.4)	FPR3 (2.3)
ZNF335 (2.4)	PTPRZ1 (2.3)	DDB2 (2.3)	FAM192A (2.0)	LSM12 (2.0)
PARD6A (2.7)	NR0B2 (2.5)	CELSR2 (2.0)	CX3CL1 (2.0)	PPY (2.0)
MTMR3 (3.2)	SETD8 (2.7)	FHOD1 (2.7)	MBD1 (2.6)	ETV5 (2.3)
ABCA1 (2.6)	TGM7 (2.5)	ANGPTL4 (2.5)	EYA3 (2.2)	NR1H3 (2.2)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.8)	WDR76 (2.9)
ARID1A (2.8)	EXOC3L1 (2.5)	RSPRY1 (2.4)	AFF1 (2.2)	TNKS (2.1)
SBNO1 (2.4)	TRPS1 (2.4)	CELF1 (2.3)	JMJD1C (2.1)	ZNF664 (2.1)
SBNO1 (2.4)	TRPS1 (2.4)	CELF1 (2.3)	JMJD1C (2.1)	ZNF664 (2.1)
ARFGAP2 (3.6)	NDUFS3 (3.5)	ZFAND2A (3.3)	TMEM208 (2.9)	CIAPIN1 (2.9)
ENSG00000179523 (2	CDK12 (2.4)	ERBB2 (2.4)	LILRB2 (2.0)	PGAP3 (2.0)
GPR146 (2.5)	HDAC5 (2.3)	DUSP3 (2.2)	PPP1R1B (2.1)	BACE1 (1.9)
NCOA5 (2.8)	NPEPPS (2.8)	MFAP1 (2.7)	NUDT21 (2.6)	NFATC3 (2.6)
SNORD58C (3.9)	NPEPPS (3.3)	MPHOSPH9 (3.2)	ENSG00000182109 (3	KPNB1 (3.0)
NUDT21 (2.9)	CKAP5 (2.9)	CTDSPL2 (2.8)	KPNB1 (2.6)	TP53BP1 (2.6)
LRP4 (2.4)	GLUL (2.4)	RSPO3 (2.4)	MT1M (2.2)	MVK (2.1)
HDAC5 (2.4)	DUSP3 (2.3)	MPP3 (2.2)	SPI1 (2.1)	TRNP1 (2.1)
TMEM175 (4.2)	HERPUD1 (4.1)	TMEM101 (4.0)	TMEM208 (3.8)	TBL2 (3.6)
NUP160 (3.5)	RBM6 (3.4)	EDC4 (3.4)	ACD (3.1)	NUDT21 (3.0)
ESRP2 (2.3)	ERBB2 (2.3)	SETD8 (2.1)	ELMO3 (2.1)	MACF1 (2.0)
SPRYD5 (2.9)	MTMR3 (2.7)	EXOC3L1 (2.4)	CSGALNACT1 (2.3)	SNORD58C (2.3)
MBD1 (3.0)	WDR76 (2.9)	ETV5 (2.6)	NFATC3 (2.5)	NUP93 (2.5)
ZNF615 (2.5)	HDAC5 (2.4)	MBD1 (2.3)	TP53BP1 (2.3)	MYO1H (2.2)
TGM7 (2.8)	B3GNT9 (2.7)	TAGLN (2.6)	ABCA8 (2.5)	MST1R (2.5)
LRP4 (3.6)	SOST (2.9)	PDE3A (2.6)	NFATC3 (2.2)	RSPO3 (2.1)

PCSK7 (2.3)	NLRC5 (2.3)	CD40 (2.3)	XKR8 (2.2)	RLTPR (2.1)
HDAC5 (3.0)	LRRC29 (2.8)	TRADD (2.7)	GFOD2 (2.6)	ZDHHC18 (2.6)
FPR3 (3.1)	APOE (2.5)	ELMO3 (2.4)	ABHD6 (2.2)	BMP8A (2.2)
CKAP5 (5.0)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
NUP93 (3.5)	RBM6 (3.3)	FEN1 (3.3)	BAZ1B (3.2)	FNBP4 (3.1)
CKAP5 (4.8)	FEN1 (4.6)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (3.1)
CKAP5 (5.1)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (2.9)
CKAP5 (5.1)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.8)
RELB (4.9)	BCL3 (4.0)	PTPRJ (3.2)	PSMB10 (2.8)	DPEP3 (2.4)
SLC12A4 (2.1)	CD300LG (2.1)	CYP2W1 (2.0)	C7orf50 (1.9)	CCL17 (1.8)
PCSK7 (2.3)	ENSG00000236267 (2	ACP2 (2.2)	SPI1 (2.0)	FPR3 (2.0)
PCSK7 (2.3)	ENSG00000236267 (2	ACP2 (2.2)	SPI1 (2.0)	FPR3 (2.0)
RAB11B (2.8)	SDF2L1 (2.7)	LILRA3 (2.6)	NFATC3 (2.6)	PLA2G15 (2.5)
PPP1R1B (3.1)	LRP4 (2.6)	TAGLN (2.6)	ENSG00000247445 (2	B3GNT9 (2.4)
SFN (2.5)	ENSG00000226334 (2	HSF4 (2.1)	AFF1 (1.9)	ELMO3 (1.9)
PSMB10 (3.7)	SNX10 (3.2)	CCL17 (3.0)	RBPJ (2.8)	LILRB2 (2.3)
FADS2 (3.8)	MVK (3.7)	SIDT2 (3.5)	REEP3 (3.5)	MMAB (3.2)
CASC4 (2.6)	TTBK2 (2.5)	KCTD10 (2.5)	TMED5 (2.5)	REEP3 (2.4)
MST1R (4.4)	SFN (3.8)	GRB7 (3.5)	MYO5B (3.4)	ERBB2 (3.1)
CCL22 (2.8)	NR1H3 (2.7)	SNX10 (2.7)	CD40 (2.5)	ZDHHC18 (2.3)
HNF1A (2.6)	ENSG00000254235 (2	HNF4A (2.1)	ELMO3 (2.1)	ENSG00000179523 (2
CKAP5 (3.7)	FEN1 (3.3)	CBFB (2.8)	CCDC18 (2.6)	MPHOSPH9 (2.5)
ENSG00000236267 (2	CASC4 (2.6)	ENSG00000256746 (2	EXOC3L1 (2.5)	TTC39B (2.3)
EIF3J (2.8)	ENSG00000223745 (2	TMEM62 (2.4)	SLC7A6 (2.2)	FHOD1 (2.2)
MT1H (2.9)	MT1G (2.7)	GALNT2 (2.5)	MT1E (2.4)	PDIA3 (2.3)
MYO1H (1.9)	ENSG00000226645 (1	ZNF614 (1.8)	DPEP2 (1.8)	ZNF664 (1.7)
ADAL (2.9)	SBNO1 (2.9)	RBM6 (2.8)	ZNF614 (2.6)	ARFGAP2 (2.6)
MBD1 (2.6)	MAFF (2.4)	LILRB2 (2.4)	DPEP2 (2.4)	BCL3 (2.0)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
PYY (2.5)	VEGFA (2.4)	KIAA0895L (2.3)	CELSR2 (2.0)	CYP26A1 (2.0)
BCL7B (3.1)	SKA1 (3.0)	RANBP10 (2.5)	ACD (2.5)	DEPDC1 (2.4)
PNMT (3.3)	FPR3 (3.1)	BCAM (2.8)	SPI1 (2.8)	REEP3 (2.7)
HNF4A (5.1)	APOA5 (3.1)	APOC4 (3.0)	FPR3 (2.9)	APOE (2.0)
ENSG00000247867 (2	ENSG00000226334 (2	KCTD10 (2.4)	ARHGAP1 (2.4)	DPEP2 (2.3)
ARID1A (3.8)	KBTBD4 (3.5)	CTDSPL2 (3.1)	ZNF408 (3.1)	PCIF1 (3.1)
LCAT (2.8)	PTPRZ1 (2.7)	RELB (2.4)	PCIF1 (2.4)	PACSIN3 (2.2)
TMEM101 (2.8)	MIEN1 (2.7)	C16orf70 (2.7)	PXK (2.7)	DUSP3 (2.2)
MPP3 (2.5)	PPP1R1B (2.5)	MAP1A (2.5)	MT1F (2.4)	MT1G (2.4)
CCDC18 (5.1)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (2.9)
CCDC18 (4.6)	FEN1 (4.6)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
ABHD6 (2.4)	LRP4 (2.4)	PTPRZ1 (2.4)	FZD9 (2.2)	MT1H (2.2)
CKAP5 (5.1)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (3.0)
MAP1A (2.3)	DOK4 (2.3)	ABCB9 (2.1)	GALNT2 (2.0)	MACF1 (2.0)
RELB (3.0)	CLPTM1 (2.7)	BCL3 (2.7)	CELF1 (2.5)	RBPJ (2.5)
NUP93 (3.0)	CXXC1 (3.0)	PCIF1 (3.0)	EDC4 (2.9)	ACD (2.9)
CCL17 (2.3)	LILRA3 (2.3)	CD40 (2.1)	XKR8 (2.1)	CYP2W1 (2.1)
C11orf49 (2.6)	CATSPER2 (2.5)	SIK3 (2.5)	C1QTNF4 (2.5)	BACE1 (2.5)
PLEKHG4 (2.3)	COBLL1 (2.3)	OGFOD1 (2.3)	OR5J2 (2.3)	SLC22A1 (2.2)
EDC4 (3.2)	RBM6 (3.0)	CBFB (2.8)	CELF1 (2.8)	ACD (2.7)
WDR76 (5.2)	CKAP5 (4.6)	CENPT (4.4)	CCDC18 (4.2)	MPHOSPH9 (3.9)

CKAP5 (5.1)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (3.8)	WDR76 (2.9)
EPB42 (2.7)	KIAA0754 (2.6)	KANK2 (2.5)	MYO5B (2.4)	PACSIN3 (2.4)
CKAP5 (5.1)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
ARID1A (2.7)	RBM6 (2.2)	UBE3B (2.1)	MT1X (2.1)	HDAC5 (2.0)
RAB11B (2.5)	KCTD10 (2.5)	CCDC92 (2.4)	ARHGAP1 (2.4)	DR1 (2.1)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
MAFF (2.4)	UBE3B (2.2)	GALNT2 (2.1)	PCSK7 (2.1)	ZNF614 (2.0)
RSPO3 (2.7)	CYP26A1 (2.6)	SOST (2.4)	DOK4 (1.9)	B3GNT9 (1.9)
RAB11B (2.9)	ZFAND2A (2.7)	NEUROD2 (2.7)	MADD (2.5)	NRBF2 (2.5)
CLPTM1 (3.6)	TBL2 (3.3)	TMEM208 (2.9)	GRB7 (2.8)	G6PC3 (2.8)
ST3GAL4 (3.2)	ABCA8 (2.6)	LIPG (2.5)	PGAP3 (2.5)	NR0B2 (2.4)
UBE3B (2.4)	SPRYD5 (2.4)	HARBI1 (2.3)	PSKH1 (2.3)	XKR8 (2.2)
UVRAG (2.9)	TRIB1 (2.9)	BCL3 (2.5)	ARID1A (2.5)	JMJD1C (2.4)
NUP93 (2.7)	ACD (2.7)	SLC7A6OS (2.6)	CTDSPL2 (2.6)	FEN1 (2.6)
MPP2 (3.0)	MPP3 (2.8)	MYO5B (2.7)	BACE1 (2.7)	TAGLN (2.5)
LPA (3.3)	APOA5 (3.3)	SLC12A3 (3.1)	NAGS (2.6)	SEC14L4 (2.6)
SBNO1 (2.9)	AFF1 (2.8)	PAFAH1B2 (2.8)	KLHL8 (2.2)	ZFAND2A (2.1)
NUDT21 (2.9)	TMEM208 (2.9)	UBE2L3 (2.8)	MTCH2 (2.7)	TOMM40 (2.5)
NUDT21 (3.2)	BUD13 (3.2)	RBM6 (3.0)	MFAP1 (2.9)	NUP93 (2.8)
FAM192A (3.1)	E2F4 (3.1)	POLR2C (2.8)	NUDT21 (2.8)	DR1 (2.7)
FAM192A (3.1)	E2F4 (3.1)	POLR2C (2.8)	NUDT21 (2.8)	DR1 (2.7)
FAM192A (3.1)	E2F4 (3.1)	POLR2C (2.8)	NUDT21 (2.8)	DR1 (2.7)
CIAPIN1 (3.5)	EIF3J (2.9)	TMEM101 (2.8)	KPNB1 (2.3)	ZNF259 (2.3)
CENPT (5.1)	FEN1 (3.6)	MPHOSPH9 (3.4)	CCDC18 (2.9)	TMEM175 (2.5)
BACE1 (2.2)	FPR3 (2.1)	GPIHBP1 (2.0)	ST3GAL4 (2.0)	MT1F (2.0)
RBPJ (2.5)	ZDHHC18 (2.4)	RLTPR (2.4)	SNX10 (2.3)	CCL22 (1.9)
SBNO1 (3.1)	ZNF664 (2.8)	NCOA5 (2.8)	OR4A1P (2.7)	ARID1A (2.6)
ABCA8 (2.2)	KCTD6 (2.1)	NAGS (2.1)	OR5I1 (2.0)	ABHD6 (2.0)
RBM6 (3.4)	BAZ1B (3.4)	CXXC1 (2.9)	PCIF1 (2.8)	NFATC3 (2.8)
CTDSPL2 (3.1)	NUP93 (3.0)	INTS10 (3.0)	UBR1 (2.8)	CKAP5 (2.8)
SBNO1 (2.8)	TCAP (2.3)	EPB42 (2.3)	KIAA0754 (2.2)	MACF1 (2.1)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (2.9)
TECTB (2.8)	TGM5 (2.7)	MAP1A (2.5)	SIK3 (2.4)	MPP2 (2.3)
RBM6 (3.1)	ENSG00000223745 (2	ENSG00000182109 (2	C12orf43 (2.6)	MTF2 (2.6)
LSM12 (3.3)	THAP11 (3.3)	CELF1 (3.2)	FAM192A (3.2)	CDK12 (3.2)
MACF1 (2.5)	LRP4 (2.5)	MST1R (2.4)	MADD (2.2)	CYP2W1 (2.2)
MACF1 (2.5)	LRP4 (2.5)	MST1R (2.4)	MADD (2.2)	CYP2W1 (2.2)
TCAP (3.1)	BCAM (2.9)	GNAO1 (2.8)	GPR146 (2.7)	FRMD5 (2.7)
NCOA5 (2.6)	MST1R (2.6)	LRP4 (2.5)	JMJD1C (2.2)	ENSG00000223745 (2
BUD13 (3.4)	PPIP5K1 (3.4)	TBL2 (3.4)	BAZ1B (3.2)	TUBGCP4 (3.1)
PDHB (2.8)	PDIA3 (2.7)	DUS2L (2.2)	SNORD58C (2.2)	HERPUD1 (2.2)
NOL3 (3.0)	MYO1H (2.8)	SLC39A13 (2.8)	TNKS (2.7)	B3GNT9 (2.7)
EDC4 (3.4)	BUD13 (3.4)	NUDT21 (3.1)	GPN2 (3.0)	RBM6 (3.0)
BUD13 (3.1)	MBD1 (3.0)	DDX28 (2.9)	PCIF1 (2.9)	KBTBD4 (2.8)
GNAO1 (2.9)	MYBPC3 (2.5)	DGKG (2.3)	MST1R (2.3)	PPP1R1B (2.3)
EDC4 (3.1)	ACD (3.1)	CXXC1 (3.0)	BUD13 (2.8)	CBFB (2.6)
NUP93 (2.1)	FHOD1 (2.1)	CIAPIN1 (2.0)	KIAA0895L (1.9)	RAB11B (1.9)
CELF1 (2.1)	KIAA0754 (2.0)	ARID1A (1.9)	FZD9 (1.9)	RAPSN (1.7)
CETP (2.4)	CD40 (2.3)	SPI1 (2.3)	LILRB2 (2.2)	CCL17 (2.1)
COQ9 (2.9)	C18orf32 (2.8)	MPHOSPH9 (2.7)	MTCH2 (2.5)	PDHB (2.5)

SLC9A5 (2.9)	ZNF613 (2.2)	ABCB9 (2.1)	C1QTNF4 (2.1)	MAP1A (2.1)
BCL7B (2.4)	ABCB9 (2.3)	C16orf70 (2.3)	CCNDBP1 (2.2)	EYA3 (2.2)
UBE2L3 (2.6)	OR4A21P (2.4)	KANK2 (2.2)	KCTD10 (2.2)	KPNB1 (2.2)
KPNB1 (2.7)	RBM5 (2.6)	TOMM40 (2.3)	NUTF2 (2.0)	MED1 (2.0)
CELF1 (2.8)	KPNB1 (2.7)	NCOA5 (2.7)	NUP93 (2.6)	EDC4 (2.5)
TSNAXIP1 (2.7)	KIAA0895L (2.6)	PGS1 (2.4)	TRADD (2.4)	PLA2G15 (2.3)
BUD13 (2.5)	ARID1A (2.4)	TRIB1 (2.4)	RBM6 (2.4)	CDK12 (2.3)
LRP4 (2.4)	MACF1 (2.3)	G6PC3 (2.2)	CPNE2 (2.0)	DOCK6 (2.0)
RSPRY1 (3.4)	SLC39A13 (3.1)	PXK (2.9)	PCSK7 (2.6)	POLR2C (2.6)
C11orf9 (2.9)	UBE3B (2.9)	IGF2R (2.8)	AFF1 (2.5)	TTBK2 (2.5)
TRADD (2.9)	MYO5B (2.8)	CPNE2 (2.7)	PVRL2 (2.5)	ELMO3 (2.5)
ERBB2 (3.0)	DNAH10 (2.4)	ENSG00000226645 (2	SNORD58C (2.3)	MAFF (2.3)
PSMB10 (5.3)	HERPUD1 (4.1)	TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)
PSMB10 (5.3)	HERPUD1 (4.1)	TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)
PSMB10 (5.3)	HERPUD1 (4.1)	TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)
MTCH2 (4.1)	ZFAND2A (3.6)	NLRC5 (3.4)	NDUFS3 (3.2)	POLR2C (3.2)
MTCH2 (4.1)	ZFAND2A (3.6)	NLRC5 (3.4)	NDUFS3 (3.2)	POLR2C (3.2)
MTCH2 (4.1)	ZFAND2A (3.6)	NLRC5 (3.4)	NDUFS3 (3.2)	POLR2C (3.2)
MFAP1 (3.0)	CCNDBP1 (2.9)	KLHL8 (2.8)	BUD13 (2.7)	SPRYD5 (2.7)
TRIB1 (2.6)	SPI1 (2.6)	ZDHHC18 (2.5)	NRBF2 (2.4)	UVRAG (2.3)
EIF3J (2.4)	SLC7A6 (2.4)	DUSP3 (2.3)	PVRL2 (2.3)	CITED2 (2.2)
SLC39A13 (4.2)	HERPUD1 (3.3)	SDF2L1 (3.2)	ARHGAP1 (3.0)	PDIA3 (3.0)
YDJC (2.3)	LPA (2.2)	HNF4A (2.0)	BBS2 (1.8)	KCTD6 (1.8)
MED1 (3.3)	CELF1 (3.2)	PNMT (2.8)	ARID1A (2.6)	OASL (2.5)
CENPT (4.5)	CCDC18 (4.5)	FEN1 (4.2)	MPHOSPH9 (4.1)	WDR76 (2.4)
CELF1 (3.3)	NPEPPS (3.2)	BAZ1B (2.8)	BUD13 (2.6)	ZNF335 (2.5)
PDIA3 (3.5)	G6PC3 (3.3)	TMED5 (3.3)	TMEM175 (3.2)	TMEM208 (3.1)
KIAA0754 (2.3)	PCSK7 (2.3)	SDF2L1 (2.2)	RAPSN (2.2)	ENSG00000181123 (2
HERPUD1 (3.0)	VEGFA (3.0)	SNORD58C (2.3)	CXXC1 (2.3)	C16orf70 (2.2)
OASL (2.5)	RAB11B (2.4)	NAGS (2.3)	MTMR3 (2.1)	SBNO1 (2.0)
ZDHHC18 (3.8)	RELB (3.2)	LILRA3 (3.1)	PTPRJ (2.7)	PVRL2 (2.5)
MST1R (4.5)	BCAM (4.2)	GRB7 (3.8)	ESRP2 (3.5)	ERBB2 (3.2)
EDC4 (2.5)	SBNO1 (2.4)	PSMC3 (2.3)	G6PC3 (2.2)	TNKS (2.0)
LRRC29 (2.6)	KBTBD4 (2.6)	GNAO1 (2.4)	ARFGAP2 (2.3)	LCAT (2.2)
DUSP3 (1.9)	B3GNT9 (1.9)	ENSG00000236267 (1	ZDHHC18 (1.7)	EXOC3L1 (1.7)
SLC12A4 (2.6)	SPI1 (2.4)	GPIHBP1 (2.2)	LILRB2 (2.0)	GPR146 (1.9)
AFF1 (2.5)	UBR1 (2.4)	KIAA0754 (2.4)	FNBP4 (2.2)	SPI1 (2.1)
NEUROD2 (2.6)	CX3CL1 (2.6)	PPP1R1B (2.4)	CELF1 (2.1)	C1QTNF4 (2.0)
MT1H (2.7)	KLF14 (2.6)	PITPNM2 (2.5)	ABCB9 (2.4)	HCAR1 (2.3)
MPHOSPH9 (3.9)	SKA1 (3.7)	CKAP5 (3.6)	DEPDC1 (3.5)	TTBK2 (3.4)
STRC (2.4)	SFN (2.3)	TECTB (2.2)	TGM5 (2.0)	YDJC (1.8)
C11orf9 (2.7)	ERBB2 (2.5)	HNF4A (2.5)	MTMR3 (2.4)	EYA3 (2.4)
MTCH2 (4.0)	ZFAND2A (4.0)	POLR2C (3.1)	UBE2L3 (3.0)	NOL3 (3.0)
MT1M (3.2)	HNF4A (2.8)	C11orf9 (2.7)	ZNF613 (2.3)	MLXIPL (2.0)
SNX10 (2.5)	CCDC116 (2.3)	CCDC92 (2.3)	PLEKHG4 (2.2)	CETP (2.0)
TBL2 (2.7)	B3GNT9 (2.2)	PTPRJ (2.2)	TMED5 (2.1)	XKR8 (2.0)
ARHGAP1 (3.1)	PLA2G15 (2.9)	PSKH1 (2.8)	ACD (2.8)	DPEP3 (2.8)
NUP93 (3.1)	PCIF1 (3.0)	CXXC1 (2.8)	NUP160 (2.7)	NUDT21 (2.7)
ENSG00000255507 (2	MAFF (2.5)	BCL3 (2.2)	MT1H (2.2)	CX3CL1 (1.9)
GPIHBP1 (2.8)	ENSG00000247867 (2	OR5J2 (2.3)	BCAM (2.3)	KCTD19 (2.3)

CXXC1 (3.0)	NUP93 (2.9)	RBM6 (2.7)	PSMC3 (2.7)	NUDT21 (2.7)
C1orf172 (4.2)	ESRP2 (3.5)	TUBGCP4 (2.6)	CX3CL1 (2.2)	BCAM (2.2)
CXXC1 (2.9)	MON1A (2.7)	ZNF335 (2.6)	HDAC5 (2.4)	NDUFS3 (2.3)
SOST (2.5)	ENSG00000179523 (2	CELSR2 (2.1)	PLA2G15 (2.1)	PGS1 (2.0)
PSMC3 (3.8)	NUP93 (3.4)	DEPDC1 (3.3)	MTF2 (2.9)	DDB2 (2.8)
KCTD10 (2.8)	CITED2 (2.6)	NPEPPS (2.6)	GRB7 (2.5)	MIEN1 (2.5)
ARFGAP2 (2.5)	DUS2L (2.5)	OGFOD1 (2.4)	LRRC29 (2.4)	CATSPER2 (2.2)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (3.0)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.2)	MPHOSPH9 (4.0)	WDR76 (3.0)
MTF2 (2.5)	BMP8A (2.3)	SBNO1 (2.3)	RBM6 (2.2)	OR4A1P (2.2)
C1QTNF4 (2.4)	CPNE2 (2.3)	PPP1R1B (2.3)	LRP4 (2.2)	NEUROD2 (2.2)
SLC12A3 (2.5)	PNMT (1.9)	CPS1 (1.9)	ABHD6 (1.9)	DNAH10 (1.9)
ETV5 (2.4)	NR1H3 (2.3)	CYP26A1 (2.2)	LIPG (2.1)	BCAM (2.0)
ARID1A (3.2)	BAZ1B (2.6)	BUD13 (2.6)	LSM12 (2.5)	CELF1 (2.4)
MBD1 (2.5)	DYM (2.4)	STRC (2.4)	CXXC1 (2.3)	PCIF1 (2.1)
EDC4 (3.1)	NUP93 (3.1)	CBFB (2.9)	ACD (2.9)	CXXC1 (2.9)
ARID1A (3.4)	C12orf43 (3.0)	ZNF335 (2.7)	SBNO1 (2.7)	SIK3 (2.7)
VEGFA (2.9)	FADS1 (2.6)	ABCA1 (2.6)	MACF1 (2.6)	CELSR2 (2.5)
CKAP5 (5.0)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (3.8)	WDR76 (2.8)
CCDC18 (4.3)	FEN1 (4.2)	CENPT (3.9)	MPHOSPH9 (3.4)	WDR76 (2.7)
CTDSPL2 (2.9)	MFAP1 (2.3)	MED1 (2.3)	ACD (2.3)	UVRAG (2.2)
RLTPR (3.1)	ABCB9 (3.0)	CELSR2 (3.0)	DGKG (3.0)	PITPNM2 (2.5)
PTPMT1 (4.0)	CIAPIN1 (3.0)	MTCH2 (2.7)	ACAA2 (2.2)	TMEM208 (1.8)
TCAP (2.3)	CBFB (2.2)	RBM6 (2.1)	CES4A (2.1)	FEN1 (2.0)
HERPUD1 (2.4)	XKR8 (2.3)	SETD8 (2.2)	UBE2L3 (2.2)	CATSPER2 (2.1)
CCDC18 (4.6)	FEN1 (4.1)	CENPT (3.8)	MPHOSPH9 (3.5)	WDR76 (3.0)
WDR76 (4.3)	CCDC18 (4.2)	CENPT (3.9)	CKAP5 (3.1)	BAZ1B (3.0)
LILRA3 (2.1)	C12orf65 (2.1)	NUDT21 (2.1)	CASC4 (1.9)	C16orf70 (1.9)
BUD13 (2.9)	NUP160 (2.9)	PCIF1 (2.9)	ACD (2.9)	NUP93 (2.8)
BUD13 (2.9)	NUP160 (2.9)	PCIF1 (2.9)	ACD (2.9)	NUP93 (2.8)
BUD13 (2.9)	NUP160 (2.9)	PCIF1 (2.9)	ACD (2.9)	NUP93 (2.8)
MTF2 (2.5)	CTDSPL2 (2.3)	TRIB1 (2.2)	SLC7A6OS (2.2)	CITED2 (2.1)
EDC4 (3.1)	NUP93 (2.9)	CXXC1 (2.8)	POLR2C (2.8)	NCOA5 (2.7)
PARD6A (1.9)	B3GNT9 (1.9)	ENSG00000254235 (1	STRC (1.8)	POLR2C (1.7)
C17orf105 (2.9)	TRIB1 (2.9)	C16orf86 (2.6)	CITED2 (2.6)	ENSG00000256746 (2
ENSG00000254235 (2	BMP8A (2.2)	FADS2 (2.2)	TRIB1 (1.9)	MPP3 (1.9)
CENPT (3.6)	CKAP5 (3.5)	FEN1 (3.1)	DDB2 (2.9)	RBM6 (2.3)
CCDC18 (4.8)	FEN1 (4.5)	CENPT (4.4)	MPHOSPH9 (3.5)	WDR76 (3.0)
SKA1 (3.2)	NFATC3 (3.0)	DEPDC1 (2.7)	C16orf48 (2.4)	NUDT21 (2.4)
SIDT2 (3.1)	TMEM208 (3.0)	CES4A (3.0)	C18orf32 (2.8)	SLC7A6 (2.5)
CCNDBP1 (2.9)	SPG11 (2.8)	ATG13 (2.7)	BACE1 (2.3)	TBL2 (2.3)
INTS10 (3.1)	EDC4 (2.9)	PCIF1 (2.9)	PSMC3 (2.9)	POLR2C (2.9)
DDX28 (3.6)	CMIP (3.5)	CBFB (2.9)	BUD13 (2.7)	E2F4 (2.6)
KLF14 (2.8)	PPY (2.5)	REEP3 (2.1)	OR5I1 (2.0)	ENSG00000181123 (1
KPNB1 (3.0)	OGFOD1 (2.5)	FADS1 (2.5)	MMAB (2.4)	DYM (2.4)
DOK4 (2.3)	EYA3 (2.3)	LRRC29 (2.1)	PYY (2.0)	PLA2G15 (1.9)
PPIP5K1 (2.6)	GRB7 (2.6)	CMIP (2.6)	SETD8 (2.5)	MACF1 (2.4)
MPP3 (3.0)	ARHGAP1 (2.6)	TAGLN (2.4)	TGM7 (2.3)	MPP2 (2.2)
FADS1 (2.2)	PDIA3 (2.1)	YDJC (2.1)	CKAP5 (2.0)	NUP93 (2.0)
CTDSPL2 (3.0)	NUDT21 (3.0)	INTS10 (2.9)	PRMT7 (2.9)	UBR1 (2.9)

SNORD58C (3.0)	NUP93 (3.0)	NUTF2 (2.9)	RBM6 (2.8)	EDC4 (2.7)
UBE3B (3.1)	DUSP3 (3.0)	SPG11 (3.0)	KANK2 (3.0)	C11orf9 (2.9)
ETV5 (2.3)	NR1H3 (2.2)	CYP26A1 (2.0)	AGBL2 (2.0)	LIPG (2.0)
ZDHHC18 (2.2)	PARD6A (2.2)	ZNF614 (2.1)	C16orf86 (2.0)	CCL17 (1.9)
DGKG (2.0)	APOC3 (2.0)	ACP2 (2.0)	DPEP2 (2.0)	LILRB2 (1.8)
PRMT7 (3.0)	CKAP5 (2.8)	CTDSPL2 (2.8)	UBR1 (2.7)	NUDT21 (2.6)
COX19 (3.7)	ZFAND2A (3.6)	NDUFS3 (3.5)	NUTF2 (3.0)	PDHB (2.9)
ZDHHC18 (2.4)	CCL22 (2.4)	ZNF615 (2.3)	XKR8 (2.3)	TTC39B (2.2)
ATG13 (2.0)	RAB11B (1.9)	SPRYD5 (1.9)	AMFR (1.7)	RSPO3 (1.7)
TMED5 (4.4)	TMEM208 (3.9)	HERPUD1 (3.8)	G6PC3 (3.5)	PIGV (3.0)
TOMM40 (2.7)	PDHB (2.7)	C7orf50 (2.5)	ACAA2 (2.4)	TMEM208 (2.2)
PAFAH1B2 (2.4)	CSGALNACT1 (2.4)	PXK (2.2)	C12orf43 (2.2)	OR5I1 (2.2)
CELSR2 (2.7)	BCAM (2.4)	TBL2 (2.3)	CLPTM1 (2.3)	RLTPR (2.2)
CYP2W1 (2.7)	MBD1 (2.6)	LRP4 (2.5)	GPER (2.5)	MST1R (2.5)
KBTBD4 (2.4)	GFOD2 (2.4)	FNBP4 (2.3)	TRADD (2.2)	ZNF350 (2.2)
CCDC18 (5.0)	CENPT (4.5)	FEN1 (4.0)	MPHOSPH9 (3.8)	WDR76 (2.9)
SETD8 (3.0)	PCIF1 (2.7)	E2F4 (2.5)	RBPJ (2.5)	SBNO1 (2.4)
BACE1 (2.3)	HDAC5 (2.1)	MT1E (2.0)	NUTF2 (2.0)	SETD8 (2.0)
CKAP5 (5.1)	FEN1 (3.6)	MPHOSPH9 (3.5)	TMEM175 (3.0)	CCDC18 (3.0)
RSPO3 (1.9)	TRNP1 (1.9)	HDAC5 (1.8)	PACSIN3 (1.8)	ACP2 (1.7)
LILRB2 (3.7)	UVRAG (2.8)	GLUL (2.7)	PLA2G15 (2.6)	APOC1 (2.3)
MST1R (3.9)	MYO5B (3.9)	SFN (3.5)	GRB7 (2.8)	TRNP1 (2.5)
TTC39B (3.2)	LILRA3 (3.0)	CCL17 (3.0)	RBPJ (2.5)	LILRB2 (2.5)
SEC14L4 (2.4)	C16orf86 (2.4)	CPNE2 (2.2)	CSGALNACT1 (2.1)	NRBF2 (2.1)
PNMT (2.3)	SLC12A4 (2.1)	CYP26A1 (2.0)	UBR1 (2.0)	RNF214 (2.0)
COBLL1 (2.4)	CYP2W1 (2.2)	CCL17 (2.2)	CETP (2.1)	CD40 (2.0)
SOST (2.7)	TBKBP1 (2.3)	DGKG (2.3)	C1orf172 (1.8)	KCTD6 (1.7)
TNKS (3.3)	B3GNT9 (3.1)	ZNF613 (2.9)	ADAL (2.9)	TBL2 (2.9)
CITED2 (2.5)	TMEM62 (2.4)	MAFF (2.4)	DOK4 (2.2)	TRIB1 (2.1)
PPP1R1B (2.9)	C18orf32 (1.9)	PYY (1.9)	GNAO1 (1.8)	FRMD5 (1.8)
ACAA2 (2.6)	APOC3 (2.6)	MT1G (2.5)	MBD1 (2.4)	MT1X (2.3)
MLXIPL (2.8)	ABCA8 (2.8)	ANGPTL4 (2.6)	CD36 (2.5)	NOL3 (2.3)
OR4A21P (2.2)	STRC (2.2)	TSNAXIP1 (2.1)	PLEKHG4 (1.9)	CYP26A1 (1.9)
ZNF408 (2.8)	RBM5 (2.4)	PTPMT1 (2.4)	CYP2W1 (2.2)	ENSG00000223745 (2
TTBK2 (2.3)	BAZ1B (2.3)	PPIP5K1 (2.2)	MTMR3 (2.1)	RSPRY1 (2.0)
PGAP3 (3.4)	PVRL2 (2.9)	BCAM (2.9)	ARHGAP1 (2.8)	SLC12A4 (2.8)
RSPO3 (2.7)	CSGALNACT1 (2.5)	TAGLN (2.2)	VEGFA (2.0)	CYP26A1 (1.8)
OGFOD1 (3.1)	RSPRY1 (3.0)	NUDT21 (2.9)	NRBF2 (2.7)	SLC9A5 (2.5)
PGAP3 (2.3)	DGKG (2.3)	AFF1 (2.2)	SPI1 (2.2)	MACF1 (2.1)
ENSG00000247445 (2	TECTB (2.7)	TMEM62 (2.6)	ENSG00000255507 (2	LCMT2 (2.5)
TMEM208 (3.4)	ZFAND2A (3.2)	NUTF2 (3.1)	NDUFS3 (3.0)	NUP93 (3.0)
DYM (2.7)	KCTD19 (2.5)	COBLL1 (2.4)	AGBL2 (2.4)	TBL2 (2.3)
ENSG00000226645 (2	MON1A (2.2)	EYA3 (2.1)	MAFF (2.1)	RNF214 (2.0)
AMFR (3.6)	TRADD (3.5)	FAM192A (3.0)	PDHB (2.8)	NOL3 (2.7)
ENSG00000182109 (2	CSGALNACT1 (2.1)	NR1H3 (2.1)	ENSG00000255507 (2	ETV5 (2.1)
CD300LG (3.4)	CETP (3.2)	GPR146 (3.2)	EXOC3L1 (2.7)	GFOD2 (2.6)
MT1M (2.4)	NEUROD2 (2.2)	C17orf57 (2.1)	MT1E (1.9)	MT1X (1.9)
CKAP5 (3.3)	MED1 (3.2)	BUD13 (3.1)	SBNO1 (3.1)	EDC4 (3.1)
CCDC11 (2.9)	DUSP3 (2.8)	C16orf70 (2.6)	TSNAXIP1 (2.5)	UBE2L3 (2.3)
TTC39B (2.5)	DOK4 (2.4)	RSPO3 (2.1)	MYO5B (1.8)	SLC9A5 (1.8)

ESRP2 (2.3)	KIAA0754 (2.2)	PLG (2.2)	GALNT2 (2.2)	ABCA8 (2.1)
ST3GAL4 (2.2)	FRMD5 (2.1)	WDR76 (2.0)	NUDT21 (2.0)	FBXL20 (1.9)
SKA1 (4.8)	DEPDC1 (4.5)	MPHOSPH9 (4.2)	BBS2 (3.9)	CENPT (3.0)
MT1H (2.8)	TMEM101 (2.6)	CTDSPL2 (2.6)	TTBK2 (2.5)	MT1X (2.4)
PCSK7 (2.6)	FHOD1 (2.5)	SNX13 (2.1)	AMBRA1 (2.1)	KLHL8 (2.0)
PSKH1 (3.1)	PCIF1 (2.2)	ZNF614 (2.2)	SLC7A6OS (2.2)	EDC4 (2.1)
GRB7 (2.7)	PYY (2.7)	HNF4A (2.7)	ENSG00000181296 (2	LIPG (2.3)
ZNF408 (3.0)	PIGV (2.9)	AMBRA1 (2.5)	LCMT2 (2.5)	DDX28 (2.5)
ZNF408 (3.0)	PIGV (2.9)	AMBRA1 (2.5)	LCMT2 (2.5)	DDX28 (2.5)
ZNF408 (3.0)	PIGV (2.9)	AMBRA1 (2.5)	LCMT2 (2.5)	DDX28 (2.5)
NCOA5 (2.5)	TOMM40 (2.3)	LCMT2 (2.3)	DUS2L (2.3)	RBM6 (2.3)
MST1R (3.0)	SFN (2.6)	HSF4 (2.6)	C11orf9 (2.4)	CYP2W1 (2.4)
CKAP5 (3.8)	CENPT (3.1)	MT1F (2.5)	MT1E (2.4)	FEN1 (2.4)
CENPT (3.8)	MPHOSPH9 (3.6)	FEN1 (3.3)	SETD8 (2.3)	CCDC18 (2.2)
EXOC3L1 (2.1)	RELB (2.0)	ZDHHC18 (2.0)	SIK3 (1.9)	UBR1 (1.9)
HCAR1 (2.2)	RAB11B (2.0)	MACF1 (2.0)	RAPSN (1.8)	MYBPC3 (1.8)
CTDSPL2 (2.3)	DCPS (2.2)	SKA1 (2.2)	RBM5 (2.1)	PARD6A (1.9)
HERPUD1 (3.3)	TBL2 (3.2)	TRADD (3.0)	BCL7B (2.9)	BBS2 (2.8)
LIPC (2.7)	HNF1A (2.5)	LPA (2.4)	NRBF2 (2.4)	SLC12A3 (2.3)
EYA3 (3.2)	ELMO3 (3.2)	CLPTM1 (3.1)	ACD (2.9)	PSKH1 (2.8)
KIAA0754 (2.5)	CASC4 (2.5)	MACF1 (2.5)	GPER (2.4)	MYO1H (2.4)
ARFGAP2 (3.1)	UBE2L3 (3.0)	POLR2C (3.0)	NOL3 (2.9)	NUP93 (2.8)
UBE2L3 (2.5)	ACD (2.3)	LRRC29 (2.2)	ZFAND2A (2.1)	AMFR (2.1)
KCTD19 (2.1)	PTPRZ1 (2.0)	DUSP3 (2.0)	REEP3 (1.9)	ZNF664 (1.8)
DEPDC1 (2.7)	DCPS (2.6)	CKAP5 (2.6)	WDR76 (2.4)	CXXC1 (2.2)
C1QTNF4 (2.3)	CCDC116 (2.2)	KCTD19 (2.1)	GLUL (1.9)	FZD9 (1.8)
MTF2 (2.4)	SBNO1 (2.4)	ZNF259 (2.4)	RBM6 (2.4)	BCL7B (2.4)
ARID1A (2.6)	TP53BP1 (2.5)	HDAC5 (2.4)	NUTF2 (2.3)	KANK2 (2.1)
CDK12 (3.4)	ERBB2 (3.2)	FAM192A (3.2)	GRB7 (3.1)	MED1 (3.0)
NPEPPS (2.5)	DUSP3 (2.2)	CELF1 (2.2)	MYO5B (2.2)	TNKS (2.2)
ZNF259 (2.7)	DR1 (2.6)	RBM6 (2.6)	GPN2 (2.6)	SNORD58C (2.5)
PPIP5K1 (2.4)	CCDC92 (2.1)	ACAA2 (2.0)	NAGS (1.8)	MYO5B (1.8)
CCL17 (4.3)	BCL3 (3.4)	PTPRJ (2.9)	DDB2 (2.5)	PSMB10 (2.3)
RELB (2.8)	AFF1 (2.7)	CCL22 (2.7)	CBFB (2.6)	JMJD1C (2.5)
CCDC18 (5.1)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (3.9)	WDR76 (2.9)
TTC39B (2.4)	PLA2G15 (2.2)	NR1H3 (2.2)	ZNF335 (1.8)	DNAH10 (1.8)
TMEM208 (3.6)	ZFAND2A (3.5)	NDUFS3 (2.9)	NUP93 (2.7)	NUTF2 (2.4)
TNKS (2.5)	AMFR (2.4)	PPP1R1B (2.2)	CELF1 (2.1)	NEUROD2 (2.1)
UBE3B (2.7)	ZNF335 (2.5)	MTCH2 (2.5)	MPHOSPH9 (2.2)	EDC4 (2.2)
ZDHHC18 (2.6)	RELB (2.5)	KCTD10 (2.4)	ARFGAP2 (2.4)	ARHGAP1 (2.3)
TBL2 (3.2)	SDF2L1 (2.7)	ATG13 (2.6)	HERPUD1 (2.6)	PXK (2.3)
RBPJ (2.8)	CTDSPL2 (2.8)	PCIF1 (2.8)	ZNF664 (2.8)	BAZ1B (2.4)
NUP160 (3.1)	BAZ1B (3.1)	TUBGCP4 (3.0)	KPNB1 (3.0)	UBE2L3 (2.8)
CYP26A1 (2.5)	ADAL (2.4)	SLC39A13 (2.3)	COBLL1 (2.2)	TAGLN (2.1)
SIK3 (2.8)	UBE3B (2.8)	ERBB2 (2.8)	IGF2R (2.7)	AFF1 (2.7)
FZD9 (2.5)	BCAM (2.5)	CELSR2 (2.4)	CYP26A1 (2.3)	IGF2R (2.1)
EDC4 (3.2)	PCIF1 (3.1)	ACD (3.0)	CXXC1 (3.0)	NCOA5 (2.9)
KIAA0754 (2.6)	ELMO3 (2.4)	ABHD6 (2.4)	ZNF664 (2.3)	TGM5 (2.2)
PPP1R1B (2.6)	PYY (1.9)	C18orf32 (1.9)	C17orf105 (1.9)	LPL (1.8)
CIAPIN1 (3.3)	C18orf32 (3.3)	TMEM208 (2.4)	MYBPC3 (2.4)	MIEN1 (2.3)

C7orf50 (3.0)	OGFOD1 (2.8)	PRMT7 (2.7)	C12orf43 (2.7)	KPNB1 (2.4)
LILRB2 (2.6)	DNAH10 (2.5)	ENSG00000255507 (2	HERPUD1 (2.1)	SEC14L4 (2.1)
CXXC1 (2.9)	CITED2 (2.5)	E2F4 (2.5)	RBM6 (2.4)	FBXL20 (2.4)
PCIF1 (3.1)	RBPJ (2.8)	RAB11B (2.8)	SIK3 (2.6)	KANK2 (2.5)
FRMD5 (4.0)	COQ9 (3.0)	DOK4 (2.5)	BCAM (2.1)	NDUFS3 (2.0)
PXK (2.2)	REEP3 (2.2)	ARHGAP1 (2.1)	KIAA0895L (1.9)	C1orf172 (1.9)
ZNF335 (2.8)	RBM6 (2.6)	GRB7 (2.6)	MYO5B (2.5)	PACSIN3 (2.5)
TBL2 (3.0)	CLPTM1 (2.4)	ENSG00000229043 (2	BCAM (2.1)	CELSR2 (2.1)
KLHL8 (2.8)	ZNF664 (2.6)	KCTD10 (2.6)	DUSP3 (2.4)	C7orf50 (2.4)
ZNF408 (3.3)	ZNF259 (3.1)	MFAP1 (3.0)	EDC4 (3.0)	POLR2C (2.9)
IGF2R (2.5)	LILRB2 (2.5)	NFATC3 (2.4)	PTPRJ (2.3)	ZDHHC18 (2.3)
PSMC3 (3.8)	MIEN1 (3.1)	POLR2C (2.8)	MTCH2 (2.8)	SNX10 (2.7)
PSMC3 (3.8)	MIEN1 (3.1)	POLR2C (2.8)	MTCH2 (2.8)	SNX10 (2.7)
OGFOD1 (3.1)	KPNB1 (3.0)	ZNF259 (2.8)	GPN2 (2.6)	NUP93 (2.5)
CKAP5 (5.1)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (4.0)	WDR76 (3.0)
PRMT7 (2.9)	OGFOD1 (2.9)	EIF3J (2.8)	SLC7A6OS (2.7)	ZNF408 (2.6)
SEC14L4 (3.4)	APOA5 (3.4)	APOC3 (3.3)	APOC4 (3.2)	NR0B2 (3.0)
MTCH2 (3.9)	TMEM208 (2.7)	PTPMT1 (2.7)	PPIP5K1 (2.7)	PSMB10 (2.6)
TMEM208 (3.7)	ZFAND2A (3.6)	NDUFS3 (2.9)	NUP93 (2.7)	NUTF2 (2.4)
UBR1 (2.5)	SBNO1 (2.3)	ARID1A (2.3)	HNF1A (2.2)	EIF3J (2.1)
ENSG00000181123 (2	PITPNM2 (2.4)	CSGALNACT1 (2.3)	ABCB9 (2.1)	CMIP (2.0)
KLF14 (2.8)	CCL17 (2.6)	GLUL (2.5)	CX3CL1 (2.4)	RELB (2.4)
ARFGAP2 (3.5)	TOMM40 (3.5)	ZFAND2A (2.7)	PDHB (2.6)	CLPTM1 (2.5)
ZNF408 (2.9)	AMBRA1 (2.8)	ARFGAP2 (2.7)	CXXC1 (2.7)	CELF1 (2.6)
TSNAXIP1 (3.9)	AGBL2 (3.9)	GFOD2 (3.0)	TP53BP1 (2.8)	POLR2C (2.7)
PPY (2.4)	CELF1 (2.4)	MLXIPL (2.0)	UBR1 (2.0)	NAGS (1.9)
FPR3 (2.8)	SIK3 (2.7)	HDAC5 (2.4)	PLA2G6 (2.3)	ENSG00000226645 (2
ENSG00000179523 (2	HARBI1 (2.3)	OR5I1 (2.2)	LCMT2 (2.1)	ENSG00000247445 (2
POLR2C (3.0)	CXXC1 (2.9)	RBM6 (2.9)	ACD (2.9)	EDC4 (2.7)
BUD13 (3.0)	PGAP3 (2.9)	BAZ1B (2.6)	CDK12 (2.6)	SPG11 (2.5)
EXOC3L1 (1.8)	DUSP3 (1.8)	BCL7B (1.8)	CMIP (1.7)	CYP26A1 (1.6)
SLC7A6OS (2.5)	PSMC3 (2.5)	MTF2 (2.4)	CXXC1 (2.4)	RBM6 (2.3)
SLC7A6OS (2.5)	PSMC3 (2.5)	MTF2 (2.4)	CXXC1 (2.4)	RBM6 (2.3)
SLC7A6OS (2.5)	PSMC3 (2.5)	MTF2 (2.4)	CXXC1 (2.4)	RBM6 (2.3)
OGFOD1 (2.5)	CCDC116 (2.4)	ENSG00000255507 (2	CIAPIN1 (2.2)	MADD (2.1)
CENPT (4.0)	CKAP5 (3.6)	FEN1 (3.4)	MPHOSPH9 (2.8)	SETD8 (2.4)
CENPT (4.0)	CKAP5 (3.6)	FEN1 (3.4)	MPHOSPH9 (2.8)	SETD8 (2.4)
RANBP10 (2.3)	SFN (2.3)	SEC14L4 (2.2)	C16orf70 (2.1)	HSF4 (2.1)
OR4A21P (2.5)	NLRC5 (2.5)	BMP8A (2.4)	CD40 (2.3)	UVRAG (2.1)
CENPT (4.8)	FEN1 (4.1)	MPHOSPH9 (3.5)	CCDC18 (3.3)	SETD8 (2.7)
RELB (2.9)	DUS2L (2.6)	PXK (2.6)	NR1H3 (2.4)	ZDHHC18 (2.4)
NUP93 (3.3)	TOMM40 (3.3)	ARFGAP2 (2.9)	NUTF2 (2.8)	OGFOD1 (2.7)
RBPJ (2.7)	CKAP5 (2.5)	NUP160 (2.5)	KPNB1 (2.3)	TMEM208 (2.3)
TMEM208 (3.4)	CLPTM1 (3.3)	TMEM101 (3.2)	PIGV (2.8)	ACP2 (2.8)
DPEP2 (2.1)	PPY (2.1)	GALNT2 (1.9)	CD36 (1.7)	PLTP (1.6)
DDB2 (3.1)	CBFB (3.0)	CENPT (2.9)	WDR76 (2.8)	TRIB1 (2.6)
DOK4 (2.5)	MADD (2.3)	UBE2L3 (2.2)	MPP2 (2.2)	NEUROD2 (2.1)
CELF1 (3.0)	EDC4 (2.9)	CTDSPL2 (2.8)	UBR1 (2.8)	KPNB1 (2.8)
CTRL (3.6)	GPER (3.6)	B3GNT9 (2.7)	TP53BP1 (2.4)	HERPUD1 (2.2)
RELB (4.0)	RLTPR (3.5)	LILRB2 (3.5)	DUS2L (2.7)	ZDHHC18 (2.6)

SNORD58C (2.6)	FHOD1 (2.5)	PDHB (2.4)	NUTF2 (2.1)	KBTBD4 (2.0)
SLC39A13 (2.7)	CD300LG (2.6)	GPIHBP1 (2.6)	DOCK6 (2.4)	AMBRA1 (2.4)
PIGV (3.4)	TMEM101 (3.4)	PTPMT1 (3.3)	TMED5 (3.0)	G6PC3 (3.0)
MED1 (2.3)	TOMM40 (2.2)	EDC4 (2.2)	LCMT2 (2.2)	CCNDBP1 (2.2)
KCTD19 (2.9)	MTCH2 (2.8)	KCTD6 (2.7)	PPIP5K1 (2.5)	GPAM (2.3)
XKR8 (2.5)	RLTPR (2.1)	E2F4 (2.0)	PCSK7 (2.0)	NLRC5 (1.9)
SLC7A6OS (3.2)	FAM192A (3.0)	UBE2L3 (2.9)	PCIF1 (2.9)	NFATC3 (2.8)
PTPRZ1 (3.8)	BMP8A (2.4)	ST3GAL4 (2.4)	SNX10 (2.3)	SLC12A4 (2.3)
FBXL20 (2.1)	CLPTM1 (2.1)	ZFAND2A (2.1)	SETD8 (2.1)	PAFAH1B2 (2.1)
BMP8A (2.3)	CCL17 (2.3)	XKR8 (2.2)	LILRA3 (2.2)	CYP2W1 (2.1)
CENPT (3.1)	KPNB1 (3.0)	CKAP5 (3.0)	FEN1 (2.8)	MPHOSPH9 (2.8)
CITED2 (2.2)	RAPSN (1.9)	SLC7A6 (1.8)	ENSG00000247445 (1	RBPJ (1.7)
SIK3 (3.0)	MACF1 (2.9)	SPG11 (2.8)	C11orf9 (2.7)	PACSIN3 (2.7)
BACE1 (2.6)	C18orf32 (2.5)	CATSPER2 (2.5)	GALNT2 (2.4)	ABCA8 (2.4)
SLC7A6 (2.2)	RSPO3 (2.2)	DOK4 (2.0)	PDE3A (2.0)	PYY (1.9)
EIF3J (3.5)	MTCH2 (3.0)	NUP93 (3.0)	TMEM208 (2.9)	NUTF2 (2.9)
C16orf86 (2.6)	ZNF350 (2.6)	LILRB2 (2.5)	ZNF614 (2.4)	ZNF613 (2.3)
ZFAND2A (3.8)	TMEM208 (3.8)	NDUFS3 (3.2)	NUP93 (2.6)	NUTF2 (2.5)
CD300LG (2.6)	MTCH2 (2.3)	BCAM (2.1)	PDIA3 (2.1)	DOK4 (2.1)
ENSG00000247867 (2	MON1A (2.3)	ZNF335 (2.2)	KIAA0895L (2.2)	B3GNT9 (2.0)
BCL3 (2.2)	OR4A21P (1.9)	EPB42 (1.9)	ZDHHC18 (1.8)	ZNF259 (1.8)
SEC14L4 (2.7)	SCARB1 (2.5)	TNKS (2.3)	FBXL20 (2.2)	C16orf70 (2.1)
BMP8A (2.6)	LRP4 (2.5)	PYY (2.4)	TRNP1 (2.2)	SEC14L4 (2.0)
FEN1 (4.8)	CENPT (3.1)	NUDT21 (2.2)	C16orf48 (2.2)	SETD8 (2.1)
CCL22 (2.9)	SPI1 (2.7)	ENSG00000256746 (2	GPIHBP1 (2.5)	DPEP2 (2.5)
YDJC (2.7)	SNORD58C (2.7)	ENSG00000226645 (2	C12orf43 (2.0)	KLHL8 (2.0)
TRADD (2.8)	C12orf65 (2.8)	ZDHHC18 (2.7)	ZNF614 (2.5)	DDB2 (2.4)
TMEM101 (4.2)	TBL2 (4.1)	TMEM208 (3.4)	SLC39A13 (2.7)	CATSPER2 (2.7)
C7orf50 (2.6)	SLC7A6OS (2.6)	OGFOD1 (2.5)	C12orf43 (2.2)	RBM6 (2.1)
CXXC1 (2.5)	NUDT21 (2.4)	ACD (2.3)	FNBP4 (2.3)	CITED2 (2.1)
ACD (3.1)	DDB2 (2.9)	MFAP1 (2.8)	SDF2L1 (2.5)	CLPTM1 (2.5)
ENSG00000223745 (2	CETP (2.3)	CX3CL1 (2.2)	PPY (2.2)	CYP2W1 (2.1)
MFAP1 (3.3)	MTF2 (3.2)	CXXC1 (3.1)	FAM192A (2.9)	RBM5 (2.8)
PSMB10 (3.3)	LILRB2 (2.7)	SNX10 (2.4)	CCL17 (2.4)	FPR3 (1.9)
ELMO3 (2.6)	GRB7 (2.3)	PYY (2.3)	PPP1R1B (2.2)	CMIP (2.2)
LCMT2 (3.2)	ADAL (2.7)	SPG11 (2.5)	TUBGCP4 (2.5)	GPN2 (2.4)
NUDT21 (3.3)	EDC4 (3.0)	UBE2L3 (2.9)	NUP160 (2.8)	POLR2C (2.8)
RSPO3 (2.2)	COBLL1 (2.1)	KIAA0895L (2.0)	BCAM (2.0)	EXOC3L1 (1.9)
CCL22 (3.6)	RELB (3.2)	CETP (2.1)	UVRAG (2.0)	LILRB2 (2.0)
PDE3A (3.1)	DUSP3 (2.7)	KCTD19 (2.6)	CYP2W1 (2.6)	PACSIN3 (2.5)
PSMB10 (2.6)	TRADD (2.1)	PIGV (2.0)	UVRAG (1.9)	CDK12 (1.9)
C18orf32 (2.6)	BACE1 (2.4)	TMEM62 (2.3)	ABCA8 (2.3)	ENSG00000223745 (2
NUP160 (3.7)	CTDSPL2 (3.6)	MTF2 (3.3)	MPHOSPH9 (3.0)	BAZ1B (3.0)
ERBB2 (3.1)	FBXL20 (2.8)	TMEM175 (2.7)	PPP1R1B (2.6)	CYP26A1 (2.5)
KBTBD4 (3.0)	ENSG00000226645 (2	MON1A (2.5)	SPG11 (2.5)	BUD13 (2.5)
BUD13 (3.3)	PCIF1 (3.2)	CXXC1 (3.1)	NCOA5 (3.1)	NUDT21 (2.9)
CXXC1 (2.8)	BUD13 (2.8)	RBM6 (2.6)	EDC4 (2.6)	PCIF1 (2.6)
CCDC18 (5.1)	CENPT (4.7)	FEN1 (4.3)	MPHOSPH9 (3.9)	WDR76 (2.7)
ST3GAL4 (2.6)	C19orf80 (2.5)	APOA5 (2.5)	TTC39B (2.5)	SCARB1 (2.4)
EXOC3L1 (2.5)	LRRC29 (2.3)	BACE1 (2.2)	SETD8 (2.2)	ARFGAP2 (2.1)

ZNF613 (2.9)	CYP2W1 (2.3)	CCDC11 (2.3)	TTC39B (2.2)	PGS1 (2.1)
ZNF613 (2.9)	CYP2W1 (2.3)	CCDC11 (2.3)	TTC39B (2.2)	PGS1 (2.1)
PCSK7 (2.9)	RLTPR (2.8)	E2F4 (2.7)	ACP2 (2.5)	ARHGAP1 (2.5)
LRP4 (2.8)	IGF2R (2.7)	SMPD3 (2.6)	SOST (2.3)	CYP26A1 (2.3)
ACD (2.8)	OR5J2 (2.8)	PCIF1 (2.7)	KPNB1 (2.4)	POLR2C (2.4)
CCDC18 (5.0)	FEN1 (4.4)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (2.8)
ZFAND2A (4.1)	TMEM208 (3.9)	NDUFS3 (3.2)	POLR2C (2.7)	NUP93 (2.7)
LILRA3 (3.8)	RLTPR (3.7)	CCL22 (3.1)	NLRC5 (2.4)	PTPRJ (1.8)
OR4A21P (2.3)	TECTB (2.2)	OR4A1P (2.1)	OR5J2 (2.0)	CES4A (1.9)
ABCB9 (2.2)	CASC4 (2.1)	SLC12A4 (2.0)	BMP8A (2.0)	FRMD5 (1.9)
SNX10 (2.8)	ZDHHC18 (2.6)	YDJC (2.3)	XKR8 (2.3)	FPR3 (2.1)
CTDSPL2 (2.9)	NCOA5 (2.7)	ZNF664 (2.7)	SETD8 (2.6)	DR1 (2.6)
LIPG (2.3)	SEC14L4 (2.2)	FADS1 (2.2)	SCARB1 (2.0)	ABCA8 (1.9)
BMP8A (2.7)	PCSK7 (2.6)	CD40 (2.5)	TRADD (2.4)	RLTPR (2.2)
LSM12 (2.6)	PCIF1 (2.5)	SETD8 (2.5)	SBNO1 (2.4)	CELF1 (2.4)
FNBP4 (3.1)	MPHOSPH9 (2.8)	C12orf43 (2.8)	BUD13 (2.4)	NCOA5 (2.2)
NLRC5 (2.2)	MBD1 (2.2)	SLC12A4 (2.1)	TAGLN (1.9)	CPNE2 (1.9)
SPG11 (3.0)	GPAM (2.8)	AFF1 (2.7)	C11orf9 (2.7)	ZNF335 (2.6)
MT1F (2.6)	MT1G (2.4)	MT1H (2.3)	GNAO1 (2.1)	DGKG (1.9)
NUDT21 (3.0)	CKAP5 (2.8)	INTS10 (2.8)	KPNB1 (2.7)	PRMT7 (2.7)
CX3CL1 (2.1)	C16orf48 (2.1)	LIPG (2.0)	ANGPTL4 (2.0)	G6PC3 (1.9)
UVRAG (2.3)	MTCH2 (2.2)	C18orf32 (2.1)	UBE2L3 (2.1)	KCTD10 (2.1)
CCDC18 (5.3)	CENPT (4.8)	FEN1 (4.4)	MPHOSPH9 (3.8)	WDR76 (3.0)
KPNB1 (3.5)	NUP93 (3.0)	NUTF2 (2.8)	NDUFS3 (2.6)	CIAPIN1 (2.5)
COBLL1 (2.4)	CCL22 (2.4)	XKR8 (2.2)	LILRA3 (2.1)	CYP2W1 (2.0)
ETV5 (2.3)	CELSR2 (2.2)	ESRP2 (2.0)	MT1G (2.0)	MST1R (1.9)
PCSK7 (2.3)	ERBB2 (2.3)	GFOD2 (2.2)	SPRYD5 (2.2)	GRB7 (2.0)
CSGALNACT1 (2.3)	PYY (2.3)	PCIF1 (2.2)	DDB2 (2.1)	MTF2 (2.1)
NUP160 (2.9)	NPEPPS (2.9)	MED1 (2.8)	CDK12 (2.6)	JMJD1C (2.6)
NUP160 (2.9)	NPEPPS (2.9)	MED1 (2.8)	CDK12 (2.6)	JMJD1C (2.6)
CX3CL1 (2.6)	GPER (2.5)	ENSG00000236267 (2	C1orf172 (2.4)	LIPG (2.4)
BACE1 (2.3)	ENSG00000229043 (2	PAFAH1B2 (2.3)	ENSG00000255507 (2	SMPD3 (2.1)
ZNF613 (3.0)	MPP3 (3.0)	ZSCAN29 (2.9)	KIAA0895L (2.8)	NCOA5 (2.4)
INTS10 (2.9)	CXXC1 (2.8)	ZNF408 (2.7)	DR1 (2.7)	GPN2 (2.4)
B3GNT9 (2.1)	C1QTNF4 (2.1)	RANBP10 (2.0)	CYP2W1 (1.9)	ZSCAN29 (1.8)
PGAP3 (3.1)	OR4A21P (3.0)	CDK12 (2.6)	MED1 (2.3)	CSGALNACT1 (2.0)
PAFAH1B2 (2.4)	UVRAG (2.4)	DPEP2 (2.1)	TTC39B (2.1)	MADD (2.1)
DNAH10 (3.1)	TAGLN (3.0)	EXOC3L1 (2.6)	RSPO3 (2.5)	PDE3A (2.1)
NR0B2 (3.0)	ENSG00000179523 (2	KIAA0895L (2.5)	FADS2 (2.5)	COBLL1 (2.2)
PVRL2 (2.5)	UBE2L3 (2.3)	CCDC92 (2.3)	PGS1 (2.3)	LILRB2 (2.1)
NUTF2 (2.3)	CBFB (2.2)	REEP3 (1.9)	FHOD1 (1.9)	LILRA3 (1.9)
EDC4 (3.1)	EYA3 (2.9)	NUDT21 (2.8)	BUD13 (2.8)	ZNF259 (2.7)
ZNF664 (2.5)	CENPT (2.2)	DEPDC1 (2.2)	DPEP3 (2.0)	MPHOSPH9 (2.0)
TBKBP1 (2.3)	TTBK2 (2.3)	MTF2 (1.9)	MT1X (1.8)	MT1M (1.8)
MMAB (4.6)	LIPG (2.9)	CYP2W1 (2.9)	YDJC (2.2)	MLXIPL (2.1)
RELB (3.2)	ZDHHC18 (3.0)	SIK3 (2.7)	ZNF408 (2.5)	ATG13 (2.3)
CCDC18 (5.1)	FEN1 (4.2)	CENPT (4.1)	MPHOSPH9 (3.8)	WDR76 (3.2)
MTCH2 (3.6)	CIAPIN1 (3.6)	ACAA2 (3.4)	DYM (3.0)	ENSG00000223745 (2
FPR3 (2.9)	CD40 (2.6)	RBPJ (2.6)	OR5L2 (2.2)	OR5I1 (2.0)
KIAA0895L (2.6)	ZNF613 (2.5)	B3GNT9 (2.4)	TRADD (2.4)	CBFB (2.2)

NFATC3 (2.4)	CX3CL1 (2.4)	FHOD1 (2.1)	BMP8A (2.1)	SPI1 (2.1)
TMEM208 (4.1)	ZFAND2A (4.0)	NDUFS3 (3.4)	NUP93 (2.9)	CIAPIN1 (2.8)
TMEM208 (4.1)	ZFAND2A (4.0)	NDUFS3 (3.4)	NUP93 (2.9)	CIAPIN1 (2.8)
TMEM208 (4.1)	ZFAND2A (4.0)	NDUFS3 (3.4)	NUP93 (2.9)	CIAPIN1 (2.8)
SBNO1 (2.4)	ENSG00000226334 (2	AFF1 (2.3)	BUD13 (2.3)	CITED2 (2.2)
CCDC18 (5.0)	FEN1 (4.5)	CENPT (4.1)	MPHOSPH9 (3.9)	WDR76 (3.1)
TNKS (3.0)	INTS10 (2.8)	NRBF2 (2.8)	DR1 (2.8)	THAP11 (2.6)
RELB (3.0)	BCL3 (3.0)	FHOD1 (2.9)	CITED2 (2.6)	DUSP3 (2.4)
DR1 (2.8)	CELF1 (2.7)	SBNO1 (2.5)	RBPJ (2.4)	SETD8 (2.3)
ACD (2.4)	EIF3J (2.4)	MON1A (2.2)	DR1 (1.9)	DOK4 (1.9)
SIK3 (2.9)	AMFR (2.7)	SLC12A3 (2.5)	CCDC11 (2.5)	GLUL (2.4)
C11orf9 (1.9)	ENSG00000226334 (1	RAPSN (1.7)	ETV5 (1.7)	CYP26A1 (1.6)
TRPS1 (2.7)	FZD9 (2.4)	ZNF614 (2.3)	GPER (2.2)	LRP4 (2.0)
RBM6 (3.5)	NUP160 (3.3)	BUD13 (3.1)	ACD (3.1)	EDC4 (3.1)
CD40 (2.5)	XKR8 (2.2)	LILRA3 (2.2)	RLTPR (2.1)	PGS1 (2.1)
CCL17 (3.3)	BCL3 (3.1)	TRADD (2.7)	MAFF (2.6)	NRBF2 (2.5)
SCARB1 (2.7)	CD36 (2.6)	TBKBP1 (2.5)	BACE1 (2.4)	MPP2 (2.3)
INTS10 (2.8)	CELF1 (2.5)	UBE2L3 (2.5)	EDC4 (2.5)	NUP160 (2.4)
RAPSN (2.2)	EXOC3L1 (2.1)	HSF4 (2.0)	ETV5 (2.0)	E2F4 (1.9)
EIF3J (2.8)	ZNF408 (2.5)	YDJC (2.5)	C7orf50 (2.5)	LCMT2 (2.4)
CYP26A1 (2.6)	CETP (2.6)	FPR3 (2.1)	ENSG00000255507 (2	REEP3 (2.1)
EDC4 (2.3)	PTPMT1 (2.1)	CXXC1 (2.1)	INTS10 (2.0)	MFAP1 (2.0)
THAP11 (2.8)	RLTPR (2.6)	ENSG00000181296 (2	CTDSPL2 (2.2)	DR1 (2.1)
CCDC18 (4.9)	FEN1 (4.5)	MPHOSPH9 (4.1)	CENPT (4.1)	WDR76 (3.2)
C18orf32 (3.3)	MFAP1 (2.8)	PDIA3 (2.8)	ENSG00000226645 (2	SDF2L1 (2.5)
SLC12A3 (2.3)	TMEM62 (2.3)	ENSG00000181123 (2	ERBB2 (2.1)	TECTB (2.1)
ARID1A (3.4)	BAZ1B (3.3)	PCIF1 (3.3)	RNF214 (3.3)	PIGV (3.2)
SBNO1 (2.5)	EYA3 (2.4)	CCNDBP1 (2.4)	KLHL8 (2.4)	NRBF2 (2.3)
EDC4 (3.2)	RBM6 (3.2)	NUP93 (2.9)	POLR2C (2.9)	BUD13 (2.9)
GRB7 (3.1)	SFN (3.0)	MYO5B (3.0)	MST1R (2.8)	ERBB2 (2.6)
ENSG00000247445 (2	PGS1 (2.5)	TRADD (2.4)	ZDHHC18 (2.3)	DPEP3 (2.3)
ENSG00000247445 (2	PGS1 (2.5)	TRADD (2.4)	ZDHHC18 (2.3)	DPEP3 (2.3)
ERBB2 (2.5)	ESRP2 (2.4)	KCTD10 (2.4)	KIAA0754 (2.4)	TAGLN (2.3)
ENSG00000256746 (2	ENSG00000247867 (2	FBXL20 (2.2)	ZDHHC18 (2.1)	COX19 (2.0)
CASC4 (2.8)	STRC (2.6)	PLTP (2.3)	CETP (2.2)	CCDC11 (2.1)
ENSG00000254235 (2	OR5I1 (2.3)	BMP8A (2.1)	OR4A1P (2.1)	CYP26A1 (1.9)
ZNF335 (2.7)	ESRP2 (2.7)	UBE3B (2.4)	AFF1 (2.4)	GRB7 (2.4)
KLF14 (2.1)	CELF1 (2.1)	PAFAH1B2 (2.0)	DUSP3 (2.0)	ARHGAP1 (1.9)
NUP93 (3.1)	CIAPIN1 (3.1)	OGFOD1 (2.8)	PRMT7 (2.8)	EIF3J (2.8)
EDC4 (2.8)	RBM6 (2.8)	RBM5 (2.8)	CELF1 (2.6)	NCOA5 (2.5)
TAGLN (2.4)	RSPO3 (2.4)	CSGALNACT1 (2.3)	GPER (2.2)	CPS1 (2.0)
ACD (3.8)	CTDSPL2 (3.5)	INTS10 (3.5)	OGFOD1 (3.4)	NFATC3 (3.2)
SLC12A4 (2.3)	ELMO3 (2.2)	C11orf9 (2.1)	DOK4 (2.1)	BCAM (2.1)
CD40 (2.7)	PGS1 (2.5)	XKR8 (2.5)	LCMT2 (2.3)	CCDC11 (2.1)
ELMO3 (2.7)	PYY (2.4)	PCSK7 (2.3)	ENSG00000181296 (2	HNF1A (2.2)
NCOA5 (3.0)	CXXC1 (2.9)	RBM6 (2.9)	NUDT21 (2.9)	EDC4 (2.7)
MBD1 (2.3)	RBPJ (2.1)	DOK4 (2.0)	HDAC5 (1.9)	CTDSPL2 (1.8)
TMEM208 (4.2)	ZFAND2A (3.8)	NDUFS3 (3.3)	POLR2C (3.1)	CIAPIN1 (2.9)
PRMT7 (3.3)	YDJC (2.9)	TUBGCP4 (2.9)	SLC7A6OS (2.7)	ADAL (2.6)
CCDC116 (2.4)	MTMR3 (2.4)	MADD (2.4)	RNF214 (2.3)	SIK3 (2.2)

MT1G (2.3)	ENSG00000181123 (2	ZDHHC18 (2.0)	LRP4 (2.0)	SLC9A5 (1.9)
SLC12A4 (2.4)	LIPG (2.4)	RSPO3 (2.3)	ABCB9 (2.1)	SFN (1.9)
CELSR2 (2.3)	TGM7 (2.3)	OR5L2 (2.2)	LIPG (2.1)	ENSG00000179523 (2
DGKG (2.8)	CX3CL1 (2.8)	CELF1 (2.7)	C11orf49 (2.6)	CELSR2 (2.5)
CCNDBP1 (2.7)	EDC4 (2.7)	POLR2C (2.6)	ZNF259 (2.5)	ZNF335 (2.4)
UVRAG (2.3)	CMIP (2.2)	KCTD10 (2.0)	MADD (1.9)	C7orf50 (1.9)
DPEP2 (2.6)	ESRP2 (2.4)	CCL17 (2.4)	C1orf172 (2.3)	ENSG00000236267 (2
BUD13 (2.7)	ZNF350 (2.6)	MBD1 (2.5)	NAGS (2.5)	RAPSN (2.3)
TRPS1 (3.0)	B3GNT9 (2.7)	ETV5 (2.4)	ERBB2 (2.1)	CSGALNACT1 (2.1)
PTPRJ (2.4)	REEP3 (2.3)	ABCB9 (2.3)	WDR76 (2.1)	ST3GAL4 (2.1)
PXK (2.2)	NUTF2 (2.2)	C11orf49 (2.1)	MIEN1 (1.9)	ACD (1.9)
DUS2L (2.5)	SNORD58C (2.5)	EIF3J (2.3)	NCOA5 (2.2)	ANGPTL4 (2.1)
MT1G (2.2)	PLA2G15 (2.2)	KLF14 (2.0)	THAP11 (1.9)	OR5J2 (1.9)
GFOD2 (2.0)	BMP8A (2.0)	SPG11 (1.9)	KCTD6 (1.8)	RNF214 (1.8)
KLHL8 (3.0)	CDK12 (2.9)	PPP1R1B (2.9)	ERBB2 (2.8)	MTMR3 (2.7)
SEC14L4 (2.0)	TSNAXIP1 (1.8)	OR4A21P (1.8)	CETP (1.7)	EPB42 (1.7)
ZDHHC18 (2.1)	C1QTNF4 (2.1)	APOC1 (2.0)	CPNE2 (1.9)	PVRL2 (1.9)
CTDSPL2 (2.9)	NUP93 (2.8)	CKAP5 (2.7)	KPNB1 (2.7)	UBR1 (2.7)
APOB (2.5)	PTPRZ1 (2.4)	C16orf70 (2.2)	HNF1A (2.2)	RNF214 (2.1)
ESRP2 (3.9)	AMFR (3.0)	CELSR2 (2.3)	GRB7 (2.3)	ENSG00000255507 (1
UBR1 (3.1)	EDC4 (2.8)	SBNO1 (2.7)	SPG11 (2.6)	INTS10 (2.5)
SETD8 (2.9)	MTMR3 (2.8)	SNX13 (2.3)	HCAR1 (2.2)	DYM (2.1)
CCNDBP1 (3.0)	SLC39A13 (2.9)	GPN2 (2.8)	PXK (2.7)	CLPTM1 (2.6)
MAP1A (3.1)	NEUROD2 (3.0)	MYO5B (2.7)	PITPNM2 (2.7)	GNAO1 (2.7)
MTCH2 (3.9)	TMEM208 (3.1)	PPIP5K1 (2.9)	COX19 (2.7)	PTPMT1 (2.6)
TMEM175 (2.7)	RSPRY1 (2.5)	MYO1H (2.5)	EYA3 (2.4)	MON1A (2.4)
DOK4 (2.1)	KLF14 (2.0)	CSGALNACT1 (2.0)	B3GNT9 (2.0)	CETP (1.8)
TTC39B (2.6)	C12orf65 (2.5)	EPB42 (2.5)	OGFOD1 (2.4)	RANBP10 (2.3)
OGFOD1 (3.2)	TBL2 (3.0)	HERPUD1 (3.0)	INTS10 (3.0)	KPNB1 (2.9)
C16orf86 (2.0)	GPER (2.0)	ZNF350 (1.9)	ZNF614 (1.8)	LRP4 (1.8)
RBM6 (3.3)	BUD13 (3.3)	EDC4 (3.2)	ACD (3.1)	POLR2C (3.0)
PCSK7 (2.5)	FHOD1 (2.3)	AMBRA1 (2.1)	PAFAH1B2 (2.0)	KLHL8 (2.0)
TP53BP1 (2.5)	DR1 (2.4)	THAP11 (2.4)	NUP160 (2.3)	SIK3 (2.2)
NUTF2 (2.8)	PLA2G15 (2.8)	UBE2L3 (2.8)	E2F4 (2.7)	EIF3J (2.7)
PYY (1.9)	PPP1R1B (1.9)	ENSG00000226334 (1	PCIF1 (1.9)	OR5I1 (1.8)
ZSCAN29 (3.3)	ZNF335 (3.1)	C17orf57 (2.4)	KIAA0895L (2.2)	LSM12 (2.1)
BUD13 (3.4)	EDC4 (3.3)	NUDT21 (3.2)	GPN2 (3.0)	ACD (3.0)
PDIA3 (3.1)	TBL2 (2.8)	FADS1 (2.8)	PARD6A (2.7)	MMAB (2.6)
HCAR1 (2.5)	ENSG00000181123 (2	TGM5 (2.4)	PPP1R1B (2.2)	LILRA3 (2.2)
EIF3J (3.0)	SLC7A6OS (2.9)	DDX28 (2.9)	YDJC (2.7)	GPN2 (2.6)
ENSG00000181296 (1	PTPRJ (1.8)	TGM7 (1.7)	LPL (1.6)	CCDC92 (1.6)
CITED2 (2.7)	PDHB (2.7)	CATSPER2 (2.5)	TOMM40 (2.4)	KPNB1 (2.3)
ARID1A (2.8)	CDK12 (2.7)	BCL7B (2.7)	BAZ1B (2.5)	DR1 (2.4)
MST1R (4.8)	SFN (4.2)	GRB7 (3.4)	MYO5B (3.3)	ERBB2 (2.8)
SETD8 (2.7)	BAZ1B (2.5)	CTDSPL2 (2.5)	PCIF1 (2.4)	EYA3 (2.4)
NLRC5 (2.1)	MT1M (2.1)	ST3GAL4 (2.1)	TBKBP1 (1.8)	LIPG (1.8)
TCAP (2.8)	PPP1R1B (2.7)	DGKG (2.7)	MYBPC3 (2.6)	MST1R (2.3)
PLG (2.5)	LCAT (2.5)	KPNB1 (2.4)	ADAL (2.2)	WDR76 (2.2)
SLC39A13 (2.3)	RSPRY1 (2.2)	COX19 (2.1)	SDF2L1 (2.1)	LRRC29 (2.1)
PTPRJ (2.9)	KCTD10 (2.8)	CPNE2 (2.8)	KANK2 (2.6)	TRNP1 (2.5)

KPNB1 (3.5)	CIAPIN1 (3.3)	CLPTM1 (3.2)	MTCH2 (3.2)	PDIA3 (3.1)
PSMC3 (3.1)	OGFOD1 (3.0)	EIF3J (3.0)	CIAPIN1 (2.4)	DDX28 (2.4)
ENSG00000247445 (2	DR1 (1.9)	LCAT (1.9)	ZDHHC18 (1.9)	MBD1 (1.8)
TMED5 (3.6)	CLPTM1 (3.3)	HERPUD1 (3.2)	TBL2 (3.1)	G6PC3 (3.1)
PPY (2.1)	CMIP (2.0)	DPEP2 (1.9)	APOA4 (1.9)	DOCK6 (1.9)
LRP4 (2.5)	TRPS1 (2.4)	CELSR2 (2.1)	RAPSN (2.1)	ARID1A (2.1)
PDHB (3.0)	BBS2 (2.8)	C16orf70 (2.8)	OR5I1 (2.6)	DDX28 (2.5)
PDHB (3.0)	BBS2 (2.8)	C16orf70 (2.8)	OR5I1 (2.6)	DDX28 (2.5)
NPEPPS (2.6)	FAM192A (2.4)	MADD (2.4)	CATSPER2 (2.4)	KCTD10 (2.3)
CX3CL1 (2.3)	CSGALNACT1 (2.2)	RSPO3 (1.8)	TRIB1 (1.8)	DOCK6 (1.7)
G6PC3 (3.0)	SIDT2 (2.8)	PSKH1 (2.8)	PTPMT1 (2.7)	C7orf50 (2.6)
CELF1 (3.3)	CDK12 (3.1)	PGAP3 (3.0)	THAP11 (2.7)	SLC7A6OS (2.7)
BUD13 (2.7)	BCL7B (2.4)	MPHOSPH9 (2.4)	CITED2 (2.4)	LCMT2 (2.3)
CCDC18 (5.3)	CENPT (4.2)	MPHOSPH9 (3.6)	FEN1 (3.4)	WDR76 (2.8)
C17orf57 (2.5)	RNF214 (2.4)	NPEPPS (2.2)	ARHGAP1 (2.1)	RBM5 (2.0)
CKAP5 (5.2)	FEN1 (4.6)	CENPT (4.5)	MPHOSPH9 (3.6)	WDR76 (3.2)
PRMT7 (3.0)	ARFGAP2 (2.8)	NUP160 (2.7)	ZNF614 (2.5)	MFAP1 (2.5)
YDJC (2.6)	ZNF408 (2.6)	GPN2 (2.5)	PRMT7 (2.5)	EIF3J (2.5)
OGFOD1 (3.2)	KPNB1 (3.1)	DUS2L (3.0)	EIF3J (2.7)	PRMT7 (2.5)
MT1F (2.2)	RAPSN (2.2)	BCL3 (2.1)	MT1X (2.1)	NOL3 (2.0)
PVRL2 (2.7)	CD40 (2.5)	HDAC5 (2.4)	ARFGAP2 (2.2)	SNX13 (2.1)
CENPT (4.5)	FEN1 (3.4)	MPHOSPH9 (3.2)	TMEM175 (2.7)	UBE3B (2.3)
BMP8A (2.9)	GPIHBP1 (2.9)	OR5I1 (2.8)	KLF14 (2.6)	DOCK6 (2.6)
RAPSN (2.1)	TNKS (2.0)	KLHL8 (1.9)	PLEKHG4 (1.9)	DR1 (1.9)
MTCH2 (3.2)	ACAA2 (3.1)	DUS2L (2.6)	MON1A (2.5)	PPIP5K1 (2.4)
PLA2G15 (2.3)	ACP2 (2.3)	LRRC29 (1.9)	YDJC (1.9)	PIGV (1.9)
CELSR2 (2.4)	ENSG00000179523 (2	RBPJ (2.2)	FPR3 (2.2)	TRPS1 (2.1)
CPNE2 (2.6)	PPP1R1B (2.5)	ENSG00000254235 (2	MT1H (2.1)	C11orf9 (2.0)
CELSR2 (2.5)	B3GNT9 (2.3)	SPRYD5 (2.1)	CITED2 (2.1)	TMEM62 (2.0)
MST1R (2.9)	CCDC11 (2.8)	MT1M (2.5)	OASL (2.3)	PPY (2.3)
FADS1 (3.3)	NUP93 (2.9)	CENPT (2.8)	NUP160 (2.7)	DDB2 (2.6)
LPL (2.1)	TRPS1 (1.9)	SPRYD5 (1.7)	PTPRJ (1.6)	PTPRZ1 (1.6)
NUTF2 (2.7)	CPNE2 (2.6)	SLC12A3 (2.5)	PRMT7 (2.5)	OGFOD1 (2.4)
ANGPTL4 (2.3)	BCL7B (2.3)	TAGLN (2.1)	RAPSN (2.1)	ARHGAP1 (2.1)
TTBK2 (2.8)	UVRAG (2.7)	COBLL1 (2.5)	PPIP5K1 (2.2)	ENSG00000254235 (2
CD40 (2.2)	GALNT2 (2.1)	C1orf172 (2.1)	ELMO3 (2.1)	PXK (2.0)
EDC4 (2.8)	PCIF1 (2.7)	PXK (2.6)	ARFGAP2 (2.5)	ACD (2.2)
EDC4 (2.8)	PCIF1 (2.7)	PXK (2.6)	ARFGAP2 (2.5)	ACD (2.2)
EDC4 (2.8)	PCIF1 (2.7)	PXK (2.6)	ARFGAP2 (2.5)	ACD (2.2)
KANK2 (2.4)	PTPRJ (2.3)	CPNE2 (2.3)	PITPNM2 (2.2)	BCAM (2.2)
CIAPIN1 (2.9)	MED1 (2.5)	KPNB1 (2.5)	EIF3J (2.4)	NDUFS3 (2.3)
PLTP (2.7)	EXOC3L1 (2.7)	TRNP1 (2.5)	NR0B2 (2.5)	LRRC29 (2.3)
NUP93 (3.3)	POLR2C (3.0)	EDC4 (3.0)	BUD13 (2.9)	UBE2L3 (2.7)
SFN (2.7)	KCTD10 (2.5)	MYBPC3 (2.5)	MBD1 (2.4)	PLG (2.3)
KCTD10 (2.4)	KIAA0754 (2.4)	PVRL2 (2.3)	MTCH2 (2.2)	ACAA2 (2.2)
PDHB (3.1)	MTCH2 (3.0)	SLC12A3 (2.8)	COQ9 (2.5)	PXK (2.4)
ATG13 (3.6)	TMEM175 (2.8)	TMEM62 (2.8)	RANBP10 (2.7)	CCNDBP1 (2.6)
NUP160 (2.9)	BUD13 (2.8)	CKAP5 (2.8)	LCMT2 (2.7)	INTS10 (2.6)
WDR76 (5.2)	CENPT (4.7)	CCDC18 (4.5)	CKAP5 (4.4)	MPHOSPH9 (3.8)
LILRA3 (2.5)	AFF1 (2.4)	COBLL1 (2.4)	XKR8 (2.3)	KIAA0754 (2.1)

SLC7A6OS (2.7)	MFAP1 (2.6)	KLHL8 (2.6)	C16orf48 (2.5)	PARD6A (2.5)
CCL22 (2.8)	CD300LG (2.1)	SPI1 (2.1)	KIAA0895L (2.1)	PTPRJ (2.0)
TOMM40 (3.1)	OGFOD1 (2.9)	NUP93 (2.7)	EDC4 (2.6)	SLC7A6OS (2.5)
DGAT2 (2.4)	LIPC (2.3)	ACAA2 (2.3)	NRBF2 (2.3)	ABHD6 (2.2)
RELB (2.6)	ARFGAP2 (2.6)	FHOD1 (2.2)	PTPRJ (2.2)	ARHGAP1 (2.0)
OR4A1P (2.2)	UBE2L3 (2.2)	PTPMT1 (2.1)	C11orf49 (2.1)	KANK2 (2.1)
SNX10 (2.8)	AFF1 (2.8)	OR4A21P (2.4)	GLUL (2.1)	PXK (2.1)
RBM6 (3.2)	ACD (3.1)	EDC4 (3.0)	CELF1 (3.0)	UBE2L3 (2.8)
KPNB1 (2.6)	NUTF2 (2.6)	EIF3J (2.4)	TOMM40 (2.1)	UBE2L3 (1.9)
ABCA1 (2.2)	RSPO3 (2.1)	LRP4 (2.1)	GPIHBP1 (2.0)	PTPRZ1 (1.9)
SLC7A6OS (2.9)	SNORD58C (2.6)	MED1 (2.4)	RBM6 (2.3)	GPN2 (2.3)
NEUROD2 (2.6)	PAFAH1B2 (2.5)	LIPG (2.3)	ENSG00000255507 (2	ENSG00000247445 (2
APOA4 (3.1)	TRNP1 (3.1)	FZD9 (3.1)	PPP1R1B (3.1)	TGM7 (2.6)
SKA1 (3.3)	CKAP5 (3.2)	PSMB10 (3.1)	NUP93 (3.0)	ZFAND2A (2.8)
SKA1 (3.3)	CKAP5 (3.2)	PSMB10 (3.1)	NUP93 (3.0)	ZFAND2A (2.8)
NUP160 (2.2)	ETV5 (2.2)	DUS2L (2.2)	PDHB (2.2)	INTS10 (2.1)
TMEM208 (3.8)	ZFAND2A (3.4)	NDUFS3 (3.2)	NUTF2 (3.2)	NUP93 (2.9)
SLC39A13 (3.3)	ZNF350 (3.1)	TMEM208 (3.0)	B3GNT9 (2.8)	FADS2 (2.7)
TTC39B (2.4)	KIAA0754 (2.4)	PPY (2.4)	GFOD2 (2.2)	CYP2W1 (2.0)
ENSG00000236267 (2	ZNF664 (2.2)	DPEP2 (2.2)	CCL17 (2.1)	ST3GAL4 (2.0)
NR0B2 (2.2)	PNMT (2.1)	LPA (2.1)	OR5I1 (2.1)	GPER (2.0)
MED1 (3.3)	FPR3 (2.9)	FBXL20 (2.9)	PCSK7 (2.8)	PVRL2 (2.7)
GPIHBP1 (3.1)	EXOC3L1 (2.6)	DPEP2 (2.2)	GPR146 (2.1)	COBLL1 (2.0)
NDUFS3 (2.8)	CCNDBP1 (2.6)	SLC12A3 (2.6)	MIEN1 (2.5)	RBM5 (2.1)
DUSP3 (2.8)	MYO5B (2.8)	SFN (2.4)	DOCK6 (2.3)	TAGLN (2.1)
SPI1 (2.7)	LILRA3 (2.7)	SPRYD5 (2.4)	C17orf57 (2.2)	LSM12 (2.0)
DDX28 (3.0)	HERPUD1 (2.9)	FADS2 (2.8)	PIGV (2.8)	PSKH1 (2.5)
OR5L2 (2.8)	CCL17 (2.5)	CD40 (2.4)	CCL22 (2.2)	ZDHHC18 (2.2)
RSPO3 (2.2)	FZD9 (2.1)	FADS2 (2.1)	LRRC29 (2.0)	PTPRZ1 (2.0)
FZD9 (2.6)	MT1H (2.6)	PPP1R1B (2.5)	C11orf9 (2.1)	ENSG00000254235 (1
TAGLN (2.1)	DPEP2 (2.1)	NEUROD2 (1.8)	CASC4 (1.8)	MACF1 (1.7)
SKA1 (4.1)	TMEM175 (4.0)	CKAP5 (3.6)	CCDC18 (3.5)	PCIF1 (2.5)
THAP11 (3.1)	TNKS (3.0)	POLR2C (2.9)	SLC7A6OS (2.6)	DR1 (2.6)
PDE3A (3.1)	SEC14L4 (2.8)	SPRYD5 (2.7)	TUBGCP4 (2.7)	RSPO3 (2.4)
TRIB1 (2.9)	MYO1H (2.8)	PACSIN3 (2.4)	KCTD10 (2.3)	CBFB (2.3)
CENPT (4.5)	FEN1 (3.8)	MPHOSPH9 (3.5)	CCDC18 (3.3)	TMEM175 (2.4)
TRPS1 (2.9)	BBS2 (2.9)	OASL (2.6)	PVRL2 (2.3)	APOA4 (2.1)
INTS10 (2.8)	TNKS (2.7)	ZNF408 (2.7)	ZNF335 (2.3)	KLHL8 (2.2)
ZNF350 (3.2)	ZNF613 (2.8)	ENSG00000247445 (2	ACAA2 (2.5)	RSPRY1 (2.4)
ZNF350 (3.2)	ZNF613 (2.8)	ENSG00000247445 (2	ACAA2 (2.5)	RSPRY1 (2.4)
MT1M (2.9)	RSPO3 (2.3)	MT1H (2.2)	MVK (2.1)	KCTD6 (1.8)
TMEM208 (3.5)	ZFAND2A (3.2)	NUP93 (3.1)	NUTF2 (3.0)	NDUFS3 (2.9)
SBNO1 (2.7)	CITED2 (2.6)	BAZ1B (2.5)	AMBRA1 (2.4)	MTMR3 (2.3)
CCDC92 (2.6)	PITPNM2 (2.5)	SETD8 (2.2)	NUTF2 (2.1)	PNMT (2.0)
GNAO1 (2.5)	CCDC92 (2.1)	MAP1A (2.1)	CMIP (2.1)	HSF4 (2.1)
MYO5B (2.4)	DPEP2 (2.3)	C17orf105 (2.3)	CCNDBP1 (2.2)	OR5J2 (2.0)
REEP3 (2.6)	DOCK6 (2.6)	SIK3 (2.5)	MACF1 (2.5)	LRP4 (2.5)
CCDC11 (2.9)	CD40 (2.9)	DPEP3 (2.3)	PGS1 (2.2)	ZDHHC18 (2.2)
CKAP5 (5.0)	FEN1 (4.4)	CENPT (4.2)	MPHOSPH9 (4.2)	WDR76 (2.9)
NCOA5 (2.9)	ZDHHC18 (2.7)	BAZ1B (2.4)	WDR76 (2.3)	CBFB (2.3)

RANBP10 (2.8)	NUP93 (2.5)	MTCH2 (2.5)	SLC7A6 (2.4)	PRMT7 (2.4)
CCNDBP1 (3.0)	UBE2L3 (2.8)	PSKH1 (2.8)	EDC4 (2.8)	SLC7A6OS (2.6)
CCNDBP1 (3.0)	UBE2L3 (2.8)	PSKH1 (2.8)	EDC4 (2.8)	SLC7A6OS (2.6)
CCNDBP1 (3.0)	UBE2L3 (2.8)	PSKH1 (2.8)	EDC4 (2.8)	SLC7A6OS (2.6)
CX3CL1 (3.3)	ETV5 (3.1)	ZNF615 (2.7)	SOST (2.7)	FHOD1 (2.6)
MT1M (2.9)	ENSG00000182109 (2	MT1F (2.6)	ABCA8 (2.5)	CSGALNACT1 (2.5)
CTDSPL2 (2.4)	MAP1A (2.4)	PARD6A (2.4)	ENSG00000223745 (2	TCAP (2.1)
ZSCAN29 (2.5)	MT1M (2.4)	TECTB (2.4)	CCDC116 (2.3)	ZNF613 (2.3)
SEC14L4 (2.9)	AFF1 (2.7)	ARID1A (2.7)	JMJD1C (2.6)	LPA (2.1)
DR1 (2.6)	RBM6 (2.2)	CITED2 (2.2)	MTF2 (2.0)	ARFGAP2 (2.0)
TMEM208 (4.2)	ZFAND2A (4.2)	NDUFS3 (3.3)	MIEN1 (3.0)	NUP93 (2.9)
PRMT7 (2.9)	C12orf43 (2.9)	DUS2L (2.6)	RBM6 (2.5)	MED1 (2.4)
NUTF2 (3.3)	NUP93 (3.2)	FAM192A (3.1)	MED1 (3.0)	TMEM208 (2.9)
CELF1 (3.1)	FAM192A (3.0)	LSM12 (2.9)	EDC4 (2.8)	MED1 (2.7)
ENSG00000236267 (3	GFOD2 (3.3)	TGM7 (3.2)	GPIHBP1 (3.1)	SEC14L4 (3.0)
DNAH10 (2.1)	TMEM101 (1.9)	FZD9 (1.8)	CELSR2 (1.8)	POLR2C (1.8)
GALNT2 (2.4)	ENSG00000255507 (2	KLF14 (2.3)	OR4A21P (2.3)	GFOD2 (2.2)
KCTD6 (2.0)	TRPS1 (1.8)	PLTP (1.7)	ENSG00000226334 (1	PLA2G6 (1.6)
MTF2 (2.9)	SKA1 (2.8)	FEN1 (2.5)	FNBP4 (2.3)	BUD13 (2.3)
MED1 (2.8)	NCOA5 (2.8)	NFATC3 (2.8)	BUD13 (2.7)	SBNO1 (2.7)
FAM192A (4.2)	RSPRY1 (4.1)	SLC7A6OS (3.7)	BBS2 (3.6)	KIAA0895L (3.6)
MTCH2 (3.5)	SCARB1 (3.3)	PDHB (3.1)	NDUFS3 (3.0)	COX19 (2.5)
ENSG00000229043 (2	ABCB9 (2.5)	CYP26A1 (2.4)	MT1E (2.3)	SLC39A13 (2.2)
ZNF335 (2.8)	EDC4 (2.7)	RBPJ (2.7)	CCNDBP1 (2.6)	ZNF259 (2.5)
ZNF335 (2.8)	EDC4 (2.7)	RBPJ (2.7)	CCNDBP1 (2.6)	ZNF259 (2.5)
ZNF335 (2.8)	EDC4 (2.7)	RBPJ (2.7)	CCNDBP1 (2.6)	ZNF259 (2.5)
MTCH2 (4.6)	ACAA2 (3.2)	CIAPIN1 (3.2)	PTPMT1 (2.8)	PPIP5K1 (2.6)
PRMT7 (3.3)	YDJC (2.9)	TUBGCP4 (2.8)	SLC7A6OS (2.8)	ADAL (2.6)
FRMD5 (2.2)	MAP1A (2.0)	ACP2 (2.0)	BMP8A (2.0)	TGM5 (2.0)
C1QTNF4 (2.5)	NOL3 (2.4)	MPP3 (2.2)	MAP1A (2.1)	NPEPPS (2.1)
C1QTNF4 (2.5)	NOL3 (2.4)	MPP3 (2.2)	MAP1A (2.1)	NPEPPS (2.1)
C1QTNF4 (2.5)	NOL3 (2.4)	MPP3 (2.2)	MAP1A (2.1)	NPEPPS (2.1)
PITPNM2 (2.7)	PDE3A (2.5)	ENSG00000181296 (2	CCDC116 (2.0)	ABCB9 (2.0)
SPI1 (3.4)	BCL3 (3.3)	RLTPR (3.3)	ZDHHC18 (3.1)	CETP (3.0)
CX3CL1 (2.8)	MYO5B (2.8)	MPP2 (2.5)	C1QTNF4 (2.4)	CELF1 (2.0)
CCL17 (2.4)	XKR8 (2.3)	BMP8A (2.2)	ZDHHC18 (2.0)	ENSG00000226645 (1
EDC4 (3.1)	NUP93 (3.1)	CXXC1 (3.0)	CELF1 (2.9)	ACD (2.9)
PSMB10 (3.1)	SPI1 (2.6)	CCL17 (2.4)	CCL22 (2.4)	APOC1 (2.3)
STRC (2.6)	CSGALNACT1 (2.5)	HCAR1 (2.4)	ENSG00000247867 (2	PSKH1 (2.3)
LILRA3 (2.4)	CCL17 (2.3)	CYP2W1 (2.3)	ZNF615 (2.2)	SIK3 (2.0)
ZFAND2A (2.8)	DUS2L (2.7)	NUP93 (2.7)	PSMC3 (2.6)	EIF3J (2.6)
TMEM208 (3.1)	ZFAND2A (3.1)	DEPDC1 (3.1)	NUP93 (3.0)	CKAP5 (2.8)
OR4A1P (1.8)	ENSG00000181296 (1	C16orf86 (1.8)	FRMD5 (1.8)	ENSG00000255507 (1
ZNF335 (2.7)	EIF3J (2.4)	SLC7A6OS (2.4)	EDC4 (2.4)	ACD (2.3)
B3GNT9 (3.5)	PCSK7 (3.3)	TBL2 (3.1)	PDIA3 (3.0)	AMFR (3.0)
LILRA3 (2.5)	XKR8 (2.4)	APOA4 (2.4)	STRC (2.3)	CPS1 (2.0)
PLTP (2.5)	TTBK2 (2.5)	CELSR2 (2.5)	MADD (2.3)	PLA2G15 (2.2)
BCL7B (3.4)	BAZ1B (3.2)	FEN1 (2.5)	CENPT (2.5)	SBNO1 (2.4)
CIAPIN1 (2.5)	NUP93 (2.4)	MTCH2 (2.4)	NUTF2 (2.4)	PRMT7 (2.3)
C7orf50 (2.3)	LILRB2 (2.1)	MT1E (1.9)	B3GNT9 (1.9)	ZDHHC18 (1.8)

AFF1 (3.2)	PXK (3.1)	MTMR3 (2.7)	BUD13 (2.7)	TTC39B (2.6)
YDJC (2.3)	FADS1 (2.2)	CKAP5 (2.1)	ARFGAP2 (2.0)	NUP160 (1.9)
ARHGAP1 (3.7)	TRNP1 (3.3)	KANK2 (3.3)	TCAP (3.0)	SNORD58C (2.6)
CX3CL1 (2.8)	MADD (2.7)	PLEKHG4 (2.6)	TCAP (2.5)	PPP1R1B (2.3)
NUP93 (3.2)	EDC4 (3.1)	CBFB (3.0)	ACD (2.8)	CXXC1 (2.8)
OR4A1P (2.6)	OR5J2 (2.5)	RSPRY1 (2.5)	SLC12A3 (2.3)	ZNF613 (2.2)
MTCH2 (3.8)	TMEM208 (3.6)	PPIP5K1 (2.9)	COX19 (2.8)	PSMB10 (2.7)
KLHL8 (2.7)	OR5J2 (2.3)	LILRA3 (2.1)	C12orf65 (2.1)	RLTPR (2.1)
NCOA5 (3.2)	NUP93 (3.0)	BUD13 (2.9)	ACD (2.8)	CELF1 (2.7)
CENPT (2.8)	KIAA0895L (2.6)	SKA1 (2.5)	C11orf49 (2.4)	MON1A (2.4)
PAFAH1B2 (2.2)	ENSG00000179523 (2	ENSG00000254235 (2	ENSG00000229043 (2	PXK (2.0)
TP53BP1 (3.0)	CD40 (2.9)	KPNB1 (2.7)	SDF2L1 (2.7)	SBNO1 (2.7)
MYO5B (2.0)	ACAA2 (2.0)	AGBL2 (1.9)	B3GNT9 (1.9)	SIDT2 (1.8)
ELMO3 (2.5)	CCDC11 (2.4)	MBD1 (2.4)	OR4A21P (2.2)	SNORD58C (2.2)
CSGALNACT1 (2.5)	ERBB2 (2.3)	GFOD2 (2.0)	C16orf70 (1.9)	SLC7A6OS (1.9)
ZDHHC18 (2.5)	LILRA3 (2.4)	CCDC11 (2.1)	ENSG00000247445 (2	DPEP3 (2.0)
ZDHHC18 (2.5)	LILRA3 (2.4)	CCDC11 (2.1)	ENSG00000247445 (2	DPEP3 (2.0)
BMP8A (2.5)	ENSG00000226645 (2	CCL22 (2.4)	TRADD (2.2)	CYP2W1 (2.2)
ACD (2.8)	PCIF1 (2.7)	CXXC1 (2.7)	UBE2L3 (2.7)	RBM6 (2.6)
GPER (2.7)	EYA3 (2.4)	FBXL20 (2.4)	SPRYD5 (2.4)	SMPD3 (2.3)
APOA4 (2.2)	UBE2L3 (2.2)	TMEM208 (2.2)	PPIP5K1 (2.1)	C1QTNF4 (2.1)
CDK12 (3.2)	CLPTM1 (2.7)	MIEN1 (2.7)	C18orf32 (2.6)	COX19 (2.5)
BACE1 (2.4)	REEP3 (2.4)	ENSG00000256746 (2	MAP1A (2.2)	GFOD2 (2.1)
BCL7B (2.7)	C16orf70 (2.5)	CCNDBP1 (2.4)	UBE2L3 (2.4)	ZNF335 (2.2)
MPP2 (3.0)	MAP1A (3.0)	MADD (2.7)	NEUROD2 (2.6)	MAFF (2.3)
ZNF408 (3.4)	TOMM40 (3.2)	EIF3J (2.8)	RBM6 (2.5)	CXXC1 (2.5)
BBS2 (4.1)	PRMT7 (4.1)	RSPRY1 (3.9)	RANBP10 (3.7)	OGFOD1 (3.4)
MLXIPL (2.5)	BACE1 (2.5)	TTC39B (2.3)	LRP4 (2.2)	MPP2 (2.1)
DOCK6 (3.0)	ZNF664 (2.6)	MYO1H (2.5)	BAZ1B (2.4)	EXOC3L1 (2.2)
CKAP5 (5.0)	FEN1 (4.5)	MPHOSPH9 (3.9)	CENPT (3.4)	WDR76 (3.2)
PVRL2 (2.4)	ACP2 (2.3)	RAB11B (2.2)	RNF214 (2.2)	UVRAG (2.2)
RBPJ (2.7)	TGM5 (2.3)	PITPNM2 (2.3)	DPEP2 (1.9)	PTPRJ (1.9)
CD36 (2.1)	C17orf105 (1.9)	LRRC29 (1.8)	ENSG00000255507 (1	PLA2G15 (1.7)
TNKS (2.8)	EIF3J (2.6)	CBFB (2.6)	TRADD (2.6)	DUS2L (2.5)
CKAP5 (5.1)	CENPT (4.3)	MPHOSPH9 (4.0)	FEN1 (3.4)	WDR76 (2.7)
CD40 (2.5)	ZDHHC18 (2.3)	GALNT2 (2.2)	JMJD1C (2.0)	SPI1 (2.0)
ENSG00000179523 (2	GALNT2 (2.3)	ENSG00000223745 (2	C11orf49 (2.0)	CD36 (1.8)
C1QTNF4 (2.4)	PYY (2.2)	RAPSN (2.1)	PACSIN3 (2.0)	CSGALNACT1 (2.0)
ENSG00000247445 (2	CCDC11 (2.7)	DPEP3 (2.3)	ZDHHC18 (2.3)	ENSG00000254235 (2
CLPTM1 (2.0)	PGS1 (1.8)	PSMC3 (1.8)	FHOD1 (1.8)	NCOA5 (1.8)
CYP2W1 (2.1)	SFN (2.1)	SETD8 (2.1)	C17orf57 (2.0)	TAGLN (2.0)
BMP8A (2.5)	CCL22 (2.4)	ENSG00000226645 (2	XKR8 (2.3)	TRADD (2.0)
C1orf172 (2.9)	MYO1H (2.7)	TECTB (2.4)	DNAH10 (2.4)	DUS2L (2.4)
OGFOD1 (3.2)	POLR2C (3.2)	LCMT2 (3.2)	TRADD (2.9)	NUDT21 (2.9)
OGFOD1 (3.2)	POLR2C (3.2)	LCMT2 (3.2)	TRADD (2.9)	NUDT21 (2.9)
OGFOD1 (3.2)	POLR2C (3.2)	LCMT2 (3.2)	TRADD (2.9)	NUDT21 (2.9)
PLA2G6 (2.3)	ZNF350 (2.3)	HNF1A (2.2)	SBNO1 (2.2)	CXXC1 (2.1)
PSMB10 (3.6)	MTCH2 (3.4)	NUP93 (3.0)	NDUFS3 (2.8)	DDX28 (2.7)
KCTD6 (2.6)	DNAH10 (2.5)	TRIB1 (2.4)	SNORD58C (2.1)	TNKS (2.1)
NLRC5 (2.5)	C16orf70 (2.2)	RANBP10 (2.2)	ZFAND2A (2.1)	ATG13 (2.0)

PPIP5K1 (2.4)	BCAM (2.3)	SLC9A5 (2.3)	RAPSN (2.3)	FHOD1 (2.2)
CD36 (2.7)	E2F4 (2.2)	MTMR3 (2.1)	DPEP2 (2.1)	ZNF614 (2.0)
TMEM208 (2.5)	ESRP2 (2.5)	ARHGAP1 (2.5)	CLPTM1 (2.4)	MADD (2.2)
ENSG00000223745 (2	NPEPPS (1.8)	MST1R (1.7)	CMIP (1.7)	TTBK2 (1.7)
SBNO1 (2.3)	TTBK2 (2.2)	DYM (2.1)	TNKS (2.1)	TRNP1 (2.1)
VEGFA (2.4)	CSGALNACT1 (2.4)	BCAM (2.3)	ENSG00000182109 (2	ENSG00000226334 (2
HDAC5 (2.8)	PITPNM2 (2.8)	MADD (2.7)	MACF1 (2.7)	GPIHBP1 (2.6)
PAFAH1B2 (2.4)	ZNF613 (2.1)	DR1 (2.1)	CIAPIN1 (2.1)	UBE2L3 (2.0)
ZNF613 (2.3)	MPHOSPH9 (2.1)	DUS2L (2.1)	MON1A (2.1)	ZNF615 (2.0)
TNKS (2.4)	BBS2 (2.4)	POLR2C (2.4)	DCPS (2.2)	YDJC (2.2)
PSMB10 (2.1)	ABCB9 (2.1)	NFATC3 (2.1)	RBPJ (2.0)	NLRC5 (1.9)
TMEM62 (2.8)	DYM (2.8)	PSMC3 (2.6)	ZFAND2A (2.2)	HDAC5 (2.1)
RLTPR (2.4)	ST3GAL4 (2.4)	FRMD5 (2.2)	SPI1 (2.1)	LIPG (2.1)
MST1R (4.6)	SFN (4.0)	MYO5B (3.2)	GRB7 (2.8)	ERBB2 (2.7)
OR5I1 (2.6)	RSPRY1 (2.4)	BBS2 (2.4)	SOST (2.3)	HNF4A (2.3)
SEC14L4 (2.3)	BBS2 (2.1)	DR1 (2.1)	MMAB (2.0)	SLC22A1 (2.0)
LRP4 (2.6)	SFN (2.3)	MACF1 (2.3)	MYO5B (2.2)	DOCK6 (2.2)
RBM6 (3.1)	BUD13 (2.9)	PCIF1 (2.8)	DR1 (2.7)	CBFB (2.7)
KCTD19 (2.2)	ST3GAL4 (2.1)	GLUL (1.9)	NUTF2 (1.9)	MT1M (1.8)
RSPRY1 (2.9)	DDX28 (2.6)	NCOA5 (2.4)	NUDT21 (2.3)	TRIB1 (2.1)
C1QTNF4 (2.7)	MPP2 (2.5)	MPP3 (2.5)	SLC9A5 (2.4)	GLUL (2.4)
RBM6 (3.2)	EDC4 (2.9)	ACD (2.9)	CXXC1 (2.8)	POLR2C (2.8)
ZNF615 (2.4)	RLTPR (2.3)	LILRA3 (2.3)	CCL17 (2.3)	SIK3 (2.0)
MLXIPL (2.7)	CTRL (2.4)	ABHD6 (2.3)	FRMD5 (2.1)	FPR3 (2.0)
GPIHBP1 (2.5)	OR4A21P (2.4)	DOCK6 (2.3)	OR4A1P (2.2)	EPB42 (2.2)
FHOD1 (2.5)	MAFF (2.4)	RNF214 (2.3)	MON1A (2.2)	RELB (2.2)
TSNAXIP1 (2.4)	TBL2 (2.1)	SCARB1 (2.1)	TNKS (1.6)	PLA2G6 (1.5)
RBM6 (2.3)	ENSG00000223745 (2	C7orf50 (2.1)	ENSG00000226334 (2	FNBP4 (2.0)
C11orf9 (2.2)	BMP8A (2.1)	OGFOD1 (2.1)	GLUL (2.0)	TECTB (1.9)
PLEKHG4 (2.4)	FZD9 (2.4)	KLF14 (2.3)	CITED2 (2.1)	TRIB1 (2.0)
SNORD58C (2.8)	KPNB1 (2.6)	C12orf43 (2.6)	OGFOD1 (2.5)	PRMT7 (2.4)
ACP2 (3.3)	LILRB2 (3.3)	NR1H3 (3.3)	DYM (2.9)	FPR3 (2.8)
C12orf43 (2.9)	RBM6 (2.5)	GPN2 (2.3)	C7orf50 (2.3)	ZNF408 (2.1)
MTCH2 (3.7)	NUP93 (3.5)	ZFAND2A (3.4)	NDUFS3 (3.1)	NUTF2 (3.0)
MTCH2 (3.7)	NUP93 (3.5)	ZFAND2A (3.4)	NDUFS3 (3.1)	NUTF2 (3.0)
GRB7 (2.9)	SPG11 (2.9)	ELMO3 (2.9)	MYO5B (2.7)	MACF1 (2.6)
RSPO3 (3.2)	CYP26A1 (3.1)	IGF2R (3.1)	JMJD1C (2.3)	KANK2 (2.2)
RAB11B (3.1)	ARID1A (3.1)	MED1 (2.8)	RLTPR (2.3)	CELF1 (2.3)
SLC7A6 (2.4)	CCL22 (2.4)	CD40 (2.4)	MTF2 (2.3)	CCL17 (2.1)
CCL17 (4.4)	BCL3 (4.1)	ZDHHC18 (3.2)	LILRA3 (2.8)	DUS2L (2.6)
SIK3 (2.8)	UBE3B (2.7)	SPG11 (2.7)	ERBB2 (2.6)	AFF1 (2.4)
ENSG00000226645 (2	DOK4 (2.6)	TGM7 (2.5)	C18orf32 (2.2)	SOST (2.2)
CD40 (2.5)	CX3CL1 (2.4)	FNBP4 (2.3)	CES4A (2.2)	ZDHHC18 (2.1)
TP53BP1 (2.4)	NUP160 (2.4)	EDC4 (2.3)	INTS10 (2.2)	UBE2L3 (2.1)
CD300LG (2.4)	PVRL2 (2.4)	DPEP2 (2.3)	ARFGAP2 (2.3)	KIAA0895L (2.2)
BMP8A (2.6)	CCL22 (2.4)	ENSG00000226645 (2	XKR8 (2.1)	TRADD (2.1)
UBE2L3 (3.0)	PTPMT1 (3.0)	SLC7A6 (2.9)	KBTBD4 (2.8)	PRMT7 (2.8)
PGAP3 (2.1)	AFF1 (2.1)	CITED2 (2.0)	FNBP4 (2.0)	CDK12 (2.0)
PGAP3 (2.1)	AFF1 (2.1)	CITED2 (2.0)	FNBP4 (2.0)	CDK12 (2.0)
SKA1 (3.0)	CASC4 (2.4)	TMED5 (2.3)	CKAP5 (2.2)	TTBK2 (2.2)

SKA1 (3.0)	CASC4 (2.4)	TMED5 (2.3)	CKAP5 (2.2)	TTBK2 (2.2)
KIAA0895L (3.3)	CCDC18 (3.2)	KIAA0754 (3.1)	TNKS (3.1)	SKA1 (2.9)
SNORD58C (2.8)	C18orf32 (2.5)	LCMT2 (2.5)	ARID1A (2.4)	TNKS (2.3)
ACP2 (2.2)	ENSG00000247445 (2	DPEP2 (2.1)	KIAA0754 (2.1)	BMP8A (2.0)
HERPUD1 (2.8)	TBL2 (2.7)	C18orf32 (2.5)	CATSPER2 (2.3)	MAP1A (2.3)
NUDT21 (2.6)	FNBP4 (2.3)	ACD (2.3)	CXXC1 (2.2)	CITED2 (2.0)
PIGV (4.1)	TMEM208 (3.2)	TMEM62 (3.1)	MIEN1 (3.0)	PGAP3 (2.9)
RBM5 (2.4)	PTPRJ (2.3)	RELB (2.3)	CDK12 (2.3)	PGAP3 (2.2)
CLPTM1 (2.3)	NOL3 (2.2)	MAP1A (2.2)	PTPRZ1 (2.2)	HSF4 (2.2)
SDF2L1 (3.2)	PDIA3 (2.8)	RAB11B (2.7)	HERPUD1 (2.7)	POLR2C (2.6)
UBE2L3 (3.1)	EIF3J (3.1)	NUP93 (3.1)	MTCH2 (3.0)	PDIA3 (2.9)
SKA1 (3.5)	DEPDC1 (3.5)	PSMC3 (2.7)	MAFF (2.6)	CITED2 (2.3)
PACSIN3 (2.8)	ZDHHC18 (2.8)	C16orf86 (2.6)	PLA2G6 (2.5)	E2F4 (2.5)
ELMO3 (2.4)	AMFR (2.2)	MFAP1 (2.1)	FAM192A (2.1)	KIAA0895L (2.1)
SPI1 (2.2)	RELB (2.2)	DPEP2 (2.1)	LILRB2 (2.0)	RNF214 (2.0)
NUP160 (2.7)	RSPRY1 (2.7)	MED1 (2.4)	KLHL8 (2.4)	SBNO1 (2.3)
ARID1A (1.9)	NFATC3 (1.9)	TRIB1 (1.8)	NOL3 (1.7)	ENSG00000256746 (1
RLTPR (2.5)	KCTD10 (2.5)	SFN (2.4)	PTPRJ (2.4)	MT1F (2.3)
ZNF614 (2.3)	BACE1 (2.2)	C16orf70 (2.0)	ENSG00000226334 (1	JMJD1C (1.8)
NUTF2 (2.8)	OGFOD1 (2.6)	CCNDBP1 (2.5)	PSMB10 (2.1)	ABCB9 (2.0)
GNAO1 (2.1)	DGKG (2.1)	MT1F (2.0)	MST1R (2.0)	MADD (1.9)
ZNF614 (2.5)	RBM6 (2.4)	NUP160 (2.4)	NUP93 (2.3)	KPNB1 (2.3)
MIEN1 (5.1)	MED1 (5.0)	PNMT (4.6)	PDIA3 (3.7)	FBXL20 (3.1)
OR5I1 (2.3)	SLC9A5 (2.1)	BMP8A (2.0)	ENSG00000182109 (1	C16orf86 (1.8)
ENSG00000236267 (3	SLC22A1 (3.0)	CES4A (2.8)	MYO5B (2.7)	APOA4 (2.5)
CD40 (2.8)	SPI1 (2.7)	PSMB10 (2.4)	LILRB2 (2.2)	ZDHHC18 (2.0)
RNF214 (2.3)	CES4A (2.2)	MTMR3 (2.2)	RELB (2.2)	SNX13 (2.0)
HERPUD1 (3.8)	ATG13 (3.3)	TMEM208 (3.2)	PDIA3 (2.7)	SLC39A13 (2.5)
CASC4 (2.5)	MYO5B (2.5)	FZD9 (2.3)	SOST (2.1)	KANK2 (2.1)
CASC4 (2.5)	MYO5B (2.5)	FZD9 (2.3)	SOST (2.1)	KANK2 (2.1)
MIEN1 (3.2)	MMAB (3.0)	MED1 (2.7)	G6PC3 (2.6)	SLC7A6 (2.3)
NCOA5 (2.8)	ZNF664 (2.7)	DR1 (2.7)	SETD8 (2.7)	SBNO1 (2.7)
UBR1 (2.2)	TBKBP1 (2.2)	ST3GAL4 (2.1)	BMP8A (2.0)	C11orf9 (2.0)
KPNB1 (3.4)	CIAPIN1 (3.1)	GPN2 (3.0)	CBFB (2.9)	CELF1 (2.9)
TBL2 (3.1)	PDIA3 (3.1)	NDUFS3 (3.0)	MTCH2 (2.9)	PSMC3 (2.8)
PXK (2.4)	UBR1 (2.2)	TECTB (2.1)	SLC39A13 (2.1)	OR5J2 (2.0)
DNAH10 (2.5)	DPEP2 (2.5)	OR5L2 (2.5)	BMP8A (2.4)	C16orf86 (2.4)
NUP93 (3.0)	CKAP5 (2.9)	NPEPPS (2.8)	TOMM40 (2.7)	EDC4 (2.7)
PACSIN3 (2.5)	RAPSN (2.5)	ARHGAP1 (2.4)	SDF2L1 (2.4)	MYO1H (2.3)
CTDSPL2 (3.0)	NUP93 (2.9)	INTS10 (2.9)	NUDT21 (2.9)	CKAP5 (2.9)
PSKH1 (3.0)	EDC4 (2.7)	NFATC3 (2.6)	RAB11B (2.6)	ACD (2.5)
PTPRZ1 (2.4)	FZD9 (2.4)	SLC9A5 (2.2)	ENSG00000254235 (2	SLC12A4 (1.9)
CETP (3.9)	SPI1 (3.1)	DUS2L (3.1)	BCL3 (2.5)	RLTPR (2.5)
CMIP (2.8)	CYP2W1 (2.7)	CCDC92 (2.5)	CITED2 (2.3)	CPNE2 (2.1)
TRPS1 (3.0)	LSM12 (2.7)	CYP26A1 (2.6)	CBFB (2.4)	PYY (2.4)
SKA1 (3.8)	NUP93 (3.3)	DDB2 (3.0)	DEPDC1 (2.9)	MTCH2 (2.9)
TMEM208 (4.2)	ZFAND2A (4.1)	NDUFS3 (3.2)	CIAPIN1 (2.8)	MIEN1 (2.7)
TGM5 (2.4)	NRBF2 (2.4)	MST1R (2.2)	ENSG00000181123 (2	TRADD (2.1)
POLR2C (2.7)	RBPJ (2.7)	EDC4 (2.6)	E2F4 (2.6)	CCNDBP1 (2.5)
POLR2C (2.7)	RBPJ (2.7)	EDC4 (2.6)	E2F4 (2.6)	CCNDBP1 (2.5)

POLR2C (2.7)	RBPJ (2.7)	EDC4 (2.6)	E2F4 (2.6)	CCNDBP1 (2.5)
PCSK7 (3.4)	PAFAH1B2 (3.1)	CLPTM1 (3.1)	UBE2L3 (2.9)	MON1A (2.8)
NUP160 (2.8)	OGFOD1 (2.6)	SBNO1 (2.3)	TOMM40 (2.2)	ZNF259 (2.1)
LRP4 (2.5)	PYY (2.2)	SEC14L4 (2.1)	MLXIPL (1.9)	TRNP1 (1.9)
CENPT (4.8)	CCDC18 (4.7)	FEN1 (4.2)	MPHOSPH9 (3.9)	WDR76 (2.4)
KIAA0895L (2.8)	NOL3 (2.7)	RANBP10 (2.7)	MACF1 (2.7)	EIF3J (2.6)
CLPTM1 (2.9)	RELB (2.7)	PDIA3 (2.5)	NUP93 (2.5)	PTPRJ (2.5)
CLPTM1 (2.9)	RELB (2.7)	PDIA3 (2.5)	NUP93 (2.5)	PTPRJ (2.5)
CLPTM1 (2.9)	RELB (2.7)	PDIA3 (2.5)	NUP93 (2.5)	PTPRJ (2.5)
C17orf105 (3.2)	TSNAXIP1 (2.7)	CCDC11 (2.5)	CATSPER2 (2.4)	CES4A (2.3)
TBL2 (2.6)	CES4A (2.5)	C17orf57 (2.4)	G6PC3 (2.2)	FADS1 (2.2)
PYY (2.7)	MST1R (2.7)	MT1M (2.3)	SMPD3 (2.2)	LSM12 (2.0)
AMFR (2.3)	COBLL1 (2.2)	MMAB (2.2)	NOL3 (1.9)	FRMD5 (1.9)
TP53BP1 (3.2)	RBM6 (3.0)	RBM5 (2.7)	OR4A1P (2.7)	FNBP4 (2.2)
CCL17 (3.5)	DPEP2 (2.7)	ENSG00000182109 (2	CYP2W1 (2.6)	TRADD (2.5)
SDF2L1 (3.8)	PDIA3 (3.4)	FPR3 (3.3)	APOE (2.9)	PLTP (2.4)
BCL3 (3.2)	MON1A (3.0)	CD40 (2.9)	TRADD (2.6)	NLRC5 (2.4)
CSGALNACT1 (2.3)	RBPJ (2.3)	PDE3A (2.3)	ENSG00000255507 (2	MLXIPL (2.2)
SLC39A13 (2.3)	RNF214 (2.2)	CCDC11 (2.1)	CCDC92 (2.1)	ENSG00000255507 (2
ZDHHC18 (2.5)	LILRA3 (2.3)	TGM7 (2.1)	CCDC11 (2.1)	DPEP3 (2.1)
GPN2 (2.6)	C7orf50 (2.6)	ZNF408 (2.4)	RBM6 (2.4)	SLC7A6OS (2.3)
MADD (2.4)	TUBGCP4 (2.3)	UBR1 (2.1)	SPG11 (2.1)	TP53BP1 (2.0)
PTPMT1 (2.4)	TMEM101 (2.4)	GPER (2.3)	C16orf70 (2.3)	TMEM208 (2.2)
CYP26A1 (2.5)	TRIB1 (2.5)	NOL3 (2.4)	LCAT (2.2)	CELSR2 (2.1)
C1QTNF4 (2.5)	MAP1A (2.5)	NOL3 (2.5)	MPP3 (2.1)	C11orf49 (2.0)
CCL22 (3.3)	CD40 (2.8)	MST1R (2.7)	ENSG00000182109 (2	ABHD6 (2.4)
TOMM40 (2.9)	FEN1 (2.8)	CKAP5 (2.8)	CCDC18 (2.7)	MPHOSPH9 (2.4)
PGAP3 (3.2)	MTF2 (3.2)	KBTBD4 (2.8)	MIEN1 (2.7)	EDC4 (2.7)
PCIF1 (3.6)	KBTBD4 (3.2)	BAZ1B (3.1)	PGAP3 (3.0)	CDK12 (2.9)
LSM12 (2.7)	CTDSPL2 (2.7)	ZNF664 (2.7)	E2F4 (2.6)	SBNO1 (2.5)
FNBP4 (2.6)	SPG11 (2.5)	ZSCAN29 (2.4)	CASC4 (2.4)	ERBB2 (2.3)
KIAA0895L (2.4)	SPI1 (2.3)	FHOD1 (2.3)	ZDHHC18 (2.2)	CCL17 (2.1)
ZNF664 (2.6)	ARID1A (2.6)	JMJD1C (2.5)	DOCK6 (2.5)	MYBPC3 (2.5)
MT1M (1.7)	CCL22 (1.7)	SNX10 (1.7)	DPEP3 (1.7)	LILRA3 (1.6)
PYY (2.3)	GPER (2.3)	RSPO3 (2.3)	CETP (2.2)	TAGLN (2.1)
MPP3 (2.5)	OR5J2 (2.4)	PPY (2.4)	CCNDBP1 (2.3)	DUSP3 (2.3)
PLTP (3.0)	SLC12A4 (2.9)	SLC39A13 (2.9)	LRP4 (2.5)	LCAT (2.4)
FZD9 (2.5)	PTPRZ1 (2.4)	PGS1 (2.2)	LRP4 (2.2)	GPR146 (2.1)
MTF2 (2.8)	CASC4 (2.7)	AMFR (2.7)	CYP2W1 (2.7)	PSMC3 (2.6)
RBPJ (3.2)	CD40 (2.8)	DPEP2 (2.5)	LILRB2 (2.4)	SNX10 (2.3)
LCMT2 (2.7)	DPEP3 (2.7)	BBS2 (2.4)	FZD9 (2.2)	RBM6 (2.1)
GRB7 (2.6)	PLA2G15 (2.5)	KANK2 (2.5)	ZNF664 (2.1)	TGM5 (2.1)
ENSG00000229043 (3	COX19 (3.1)	PAFAH1B2 (3.0)	ENSG00000179523 (2	SPRYD5 (2.7)
CELSR2 (2.7)	LIPG (2.4)	TGM5 (2.3)	SMPD3 (2.3)	C11orf49 (2.0)
PDHB (3.8)	CIAPIN1 (3.2)	MTCH2 (3.0)	MIEN1 (2.9)	TMEM208 (2.8)
BMP8A (2.7)	ENSG00000182109 (2	TTC39B (2.2)	PLEKHG4 (2.0)	MT1M (1.8)
FNBP4 (2.9)	KIAA0895L (2.5)	ZNF613 (2.4)	NCOA5 (2.3)	RSPRY1 (2.3)
PTPRZ1 (1.9)	ERBB2 (1.9)	TRPS1 (1.8)	ENSG00000247867 (1	CYP26A1 (1.6)
ZFAND2A (4.1)	TMEM208 (4.0)	NDUFS3 (3.3)	MIEN1 (2.8)	POLR2C (2.7)
ARID1A (2.8)	NUDT21 (2.8)	BAZ1B (2.7)	BUD13 (2.7)	MPHOSPH9 (2.6)

NCOA5 (2.8)	E2F4 (2.7)	ZNF664 (2.6)	SBNO1 (2.6)	LSM12 (2.6)
TTBK2 (2.5)	OR4A21P (2.5)	DGKG (2.3)	ABCB9 (2.3)	KLF14 (2.2)
PIGV (2.4)	AMBRA1 (2.3)	ABHD6 (2.2)	SNX13 (2.2)	LCMT2 (2.1)
KCTD6 (2.3)	PLG (2.3)	HERPUD1 (2.2)	APOC4 (2.1)	NUTF2 (2.1)
SOST (3.0)	CYP26A1 (2.5)	B3GNT9 (2.5)	OR5J2 (2.4)	BMP8A (2.3)
SLC12A3 (2.3)	TRPS1 (2.1)	MADD (2.0)	C16orf70 (2.0)	C18orf32 (2.0)
MTCH2 (3.6)	NUP93 (3.5)	ZFAND2A (3.4)	FEN1 (3.3)	NUTF2 (3.0)
TNKS (2.4)	FZD9 (2.4)	ABHD6 (2.1)	RSPO3 (2.0)	PPP1R1B (2.0)
DPEP3 (2.5)	OR5L2 (2.5)	ENSG00000223745 (2	TGM5 (2.1)	GPR146 (2.1)
CCDC18 (5.1)	CENPT (4.3)	FEN1 (4.0)	MPHOSPH9 (3.3)	WDR76 (2.8)
RAB11B (3.0)	NUTF2 (3.0)	SKA1 (2.9)	NCOA5 (2.8)	BAZ1B (2.8)
MTCH2 (2.5)	PSMC3 (2.5)	SEC14L4 (2.4)	C19orf80 (2.4)	OGFOD1 (2.3)
ARHGAP1 (2.5)	RELB (2.5)	CX3CL1 (2.4)	MYO1H (2.3)	PSMB10 (2.2)
FNBP4 (2.9)	EYA3 (2.8)	ZNF259 (2.8)	RBM6 (2.7)	INTS10 (2.6)
AFF1 (2.4)	PTPMT1 (2.2)	OR5I1 (2.1)	SIK3 (2.0)	RBM6 (1.9)
PPY (2.5)	VEGFA (2.3)	HERPUD1 (2.3)	ZFAND2A (2.3)	C12orf65 (2.0)
FADS1 (2.9)	CASC4 (2.8)	KLF14 (2.5)	ENSG00000179523 (2	TRNP1 (2.4)
RLTPR (2.3)	TRADD (2.2)	ZDHHC18 (2.2)	CBFB (2.0)	CCDC92 (2.0)
ENSG00000181123 (2	RLTPR (2.3)	FPR3 (2.3)	MED1 (2.2)	ENSG00000247445 (2
RSPRY1 (2.6)	ENSG00000179523 (2	PRMT7 (2.4)	NUDT21 (2.4)	TMEM175 (2.3)
TRPS1 (2.4)	CBFB (2.3)	SNORD58C (2.2)	PCIF1 (2.1)	OR4A1P (2.1)
CYP2W1 (2.2)	PLEKHG4 (2.1)	ENSG00000179523 (1	ENSG00000226334 (1	CATSPER2 (1.9)
ENSG00000179523 (3	EYA3 (2.6)	RSPRY1 (2.5)	ARHGAP1 (2.5)	OR4A1P (2.4)
TTBK2 (3.0)	C11orf49 (2.9)	DUSP3 (2.7)	TP53BP1 (2.7)	ZNF615 (2.7)
RAB11B (2.7)	PCIF1 (2.4)	PITPNM2 (2.4)	OR5J2 (2.3)	C12orf65 (2.3)
PSMB10 (3.6)	TMEM208 (3.5)	EIF3J (3.1)	POLR2C (2.7)	PDIA3 (2.6)
OR5J2 (2.5)	AGBL2 (2.4)	ENSG00000226334 (2	EXOC3L1 (2.4)	PDE3A (2.4)
MT1H (2.2)	PLEKHG4 (2.1)	KLF14 (2.1)	MFAP1 (2.0)	TBKBP1 (2.0)
ZNF613 (2.6)	PTPRJ (2.5)	CCL22 (2.5)	ENSG00000229043 (2	MACF1 (2.2)
NCOA5 (3.1)	KPNB1 (2.8)	BUD13 (2.7)	SLC9A5 (2.7)	NUDT21 (2.5)
AMBRA1 (2.7)	FNBP4 (2.6)	RAB11B (2.5)	ENSG00000254235 (2	ARHGAP1 (2.5)
NRBF2 (3.0)	SPI1 (2.6)	PAFAH1B2 (2.5)	ENSG00000226334 (2	ZDHHC18 (2.3)
PLEKHG4 (3.4)	YDJC (3.3)	RSPRY1 (3.3)	NUDT21 (3.3)	PRMT7 (3.2)
ZNF613 (3.1)	TRADD (3.0)	LILRA3 (2.9)	LILRB2 (2.7)	ENSG00000229043 (2
NCOA5 (2.2)	ENSG00000226334 (2	NAGS (2.1)	ARID1A (2.0)	DDX28 (2.0)
CX3CL1 (2.9)	ENSG00000255507 (2	PPP1R1B (2.6)	CSGALNACT1 (2.6)	CCDC116 (2.4)
ENSG00000226334 (2	NUP160 (2.6)	NUDT21 (2.4)	WDR76 (2.4)	CCNDBP1 (2.2)
ATG13 (3.7)	PDIA3 (3.0)	PCSK7 (2.8)	HARBI1 (2.8)	SDF2L1 (2.7)
ATG13 (3.7)	PDIA3 (3.0)	PCSK7 (2.8)	HARBI1 (2.8)	SDF2L1 (2.7)
ATG13 (3.7)	PDIA3 (3.0)	PCSK7 (2.8)	HARBI1 (2.8)	SDF2L1 (2.7)
PTPRZ1 (3.0)	CYP26A1 (2.8)	SMPD3 (2.7)	SIDT2 (2.6)	SLC12A4 (2.4)
MTCH2 (2.8)	CIAPIN1 (2.4)	TOMM40 (2.2)	NR0B2 (2.1)	PPIP5K1 (2.0)
RAB11B (2.4)	CLPTM1 (2.4)	GRB7 (2.2)	ZFAND2A (2.1)	ARHGAP1 (2.0)
RSPRY1 (2.6)	PLA2G15 (2.5)	C16orf70 (2.3)	MADD (2.3)	DUSP3 (2.3)
PXK (2.5)	ZNF614 (2.4)	HDAC5 (2.4)	CCL22 (2.3)	C17orf57 (2.2)
ZNF615 (2.3)	PPP1R1B (2.2)	C16orf70 (2.2)	OR5J2 (2.0)	PNMT (2.0)
ZFAND2A (4.0)	TMEM208 (3.8)	NDUFS3 (3.2)	NUTF2 (2.9)	NUP93 (2.9)
NPEPPS (2.4)	OGFOD1 (2.3)	MED1 (2.3)	NCOA5 (2.3)	BUD13 (2.2)
PRMT7 (2.0)	HERPUD1 (1.9)	ELMO3 (1.9)	FADS2 (1.9)	TUBGCP4 (1.8)
SPRYD5 (2.3)	OR5I1 (2.2)	RANBP10 (2.2)	LRP4 (2.1)	TGM7 (2.1)

E2F4 (2.2)	ATG13 (2.0)	ETV5 (1.9)	ZNF613 (1.9)	LILRA3 (1.8)
GPN2 (3.0)	BUD13 (2.7)	CELF1 (2.6)	FNBP4 (2.6)	C7orf50 (2.5)
GRB7 (2.3)	PLA2G6 (2.2)	C16orf86 (2.2)	CMIP (2.2)	XKR8 (2.2)
CENPT (4.4)	MPHOSPH9 (3.7)	FEN1 (2.9)	CCDC18 (2.8)	DNAH10 (2.1)
CCDC92 (2.2)	WDR76 (1.7)	CCDC11 (1.7)	TBL2 (1.7)	IGF2R (1.6)
ENSG00000247445 (2	COBLL1 (2.7)	ABCA8 (2.6)	ST3GAL4 (2.5)	FRMD5 (2.3)
MPP2 (2.4)	PPP1R1B (2.2)	GNAO1 (2.2)	CELSR2 (2.1)	MACF1 (2.1)
TMEM62 (2.5)	ENSG00000181123 (2	UBR1 (2.4)	NCOA5 (2.1)	AFF1 (2.0)
CXXC1 (2.5)	BAZ1B (2.5)	DCPS (2.3)	RAB11B (2.3)	INTS10 (2.3)
SIK3 (2.6)	BCL7B (2.6)	DR1 (2.5)	PTPRJ (2.5)	BCL3 (2.3)
TTC39B (2.3)	GPER (2.2)	CASC4 (2.2)	CCDC11 (2.1)	LRP4 (2.1)
DNAH10 (2.5)	BMP8A (2.4)	ENSG00000255507 (2	HCAR1 (1.9)	KLF14 (1.9)
LRRC29 (2.7)	ARFGAP2 (2.4)	C11orf49 (2.4)	KBTBD4 (2.3)	GNAO1 (2.3)
NLRC5 (2.8)	MPP2 (2.6)	MADD (2.6)	PYY (2.5)	TMEM208 (2.5)
GRB7 (2.5)	SLC12A3 (2.3)	DNAH10 (2.0)	RNF214 (2.0)	CCDC116 (2.0)
TMEM208 (4.2)	ZFAND2A (3.8)	NDUFS3 (3.4)	NUTF2 (3.0)	MIEN1 (2.9)
PDIA3 (3.0)	PIGV (2.8)	NOL3 (2.8)	AMFR (2.2)	OGFOD1 (2.2)
PSKH1 (2.9)	DDX28 (2.7)	PTPMT1 (2.7)	NRBF2 (2.7)	THAP11 (2.6)
MT1G (2.5)	GPER (2.4)	MPP3 (2.3)	SCARB1 (2.2)	GNAO1 (2.2)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TGM7 (2.2)	OR4A21P (2.1)	STRC (2.1)	DNAH10 (2.0)	DGKG (2.0)
TOMM40 (3.2)	C12orf43 (3.0)	DDX28 (2.9)	PRMT7 (2.8)	SLC7A6OS (2.6)
BAZ1B (3.3)	EDC4 (3.2)	TP53BP1 (2.9)	ARFGAP2 (2.9)	SPG11 (2.8)
ZNF613 (2.8)	PAFAH1B2 (2.6)	SBNO1 (2.6)	ZNF350 (2.5)	OR5J2 (2.5)
PTPRZ1 (2.0)	ERBB2 (1.9)	TRPS1 (1.8)	TBKBP1 (1.6)	CYP26A1 (1.6)
MAFF (2.7)	DGKG (2.5)	ENSG00000247867 (2	DR1 (2.1)	BCL7B (2.0)
PTPRZ1 (2.5)	PXK (2.4)	TNKS (2.3)	ENSG00000181296 (2	C12orf65 (2.1)
PGAP3 (3.7)	ERBB2 (3.2)	LSM12 (3.1)	KBTBD4 (3.1)	GRB7 (2.8)
ATG13 (3.2)	SLC39A13 (3.0)	SPG11 (2.9)	PXK (2.7)	ARFGAP2 (2.7)
ATG13 (3.2)	SLC39A13 (3.0)	SPG11 (2.9)	PXK (2.7)	ARFGAP2 (2.7)
RANBP10 (2.5)	E2F4 (2.3)	LILRA3 (2.2)	CMIP (1.7)	CCNDBP1 (1.7)
HCAR1 (2.6)	MON1A (2.5)	C12orf65 (2.5)	PXK (2.3)	MIEN1 (2.1)
CITED2 (2.2)	NRBF2 (2.0)	C17orf105 (2.0)	DUSP3 (1.9)	MPP3 (1.9)
VEGFA (2.4)	SLC12A4 (2.4)	SLC39A13 (2.3)	SLC22A1 (2.2)	SOST (2.1)
RAB11B (2.8)	PIGV (2.7)	REEP3 (2.7)	KBTBD4 (2.5)	AMFR (2.4)
MBD1 (2.9)	PSMB10 (2.9)	ZDHHC18 (2.8)	PCSK7 (2.8)	SLC12A4 (2.7)
TRNP1 (2.8)	MACF1 (2.7)	DOCK6 (2.6)	KANK2 (2.6)	TAGLN (2.5)
NFATC3 (2.4)	DGKG (2.4)	FZD9 (2.4)	CTDSPL2 (2.3)	MTF2 (2.2)
PRMT7 (3.1)	CKAP5 (3.0)	KPNB1 (2.9)	NUDT21 (2.8)	INTS10 (2.8)
PRMT7 (3.5)	UVRAG (3.4)	OGFOD1 (3.2)	THAP11 (3.0)	DUS2L (2.9)
RSPO3 (2.5)	TBKBP1 (2.2)	DOK4 (2.2)	CYP26A1 (2.1)	KLF14 (2.1)
HNF1A (2.1)	TMED5 (2.0)	PDE3A (1.9)	ENSG00000181123 (1	DDB2 (1.8)
SLC12A3 (2.3)	TRNP1 (2.2)	TBL2 (2.1)	STRC (2.0)	OR4A21P (2.0)
OR4A21P (2.2)	ENSG00000223745 (2	DNAH10 (2.1)	PGS1 (2.0)	PNMT (1.9)
NPEPPS (2.8)	MTMR3 (2.7)	TP53BP1 (2.7)	PAFAH1B2 (2.7)	SBNO1 (2.7)

TAGLN (2.1)	HNF1A (2.1)	HARBI1 (2.1)	AGBL2 (2.0)	ST3GAL4 (1.9)
G6PC3 (2.4)	MT1M (2.2)	SIDT2 (2.2)	C1QTNF4 (2.1)	CCDC116 (2.0)
REEP3 (3.3)	YDJC (3.0)	TMEM62 (2.9)	GALNT2 (2.8)	IGF2R (2.5)
POLR2C (2.8)	AFF1 (2.8)	DR1 (2.8)	NUDT21 (2.8)	BUD13 (2.7)
ZDHHC18 (2.6)	PCSK7 (2.5)	CD40 (2.3)	TRADD (2.3)	XKR8 (2.1)
TTBK2 (1.7)	SIDT2 (1.7)	MT1X (1.7)	MTMR3 (1.6)	GALNT2 (1.6)
TTBK2 (1.7)	SIDT2 (1.7)	MT1X (1.7)	MTMR3 (1.6)	GALNT2 (1.6)
CKAP5 (3.6)	FEN1 (3.0)	WDR76 (2.8)	SETD8 (2.8)	PAFAH1B2 (2.3)
EIF3J (3.3)	NDUFS3 (3.3)	PSMB10 (3.1)	NUP93 (3.1)	KPNB1 (2.9)
SETD8 (2.3)	CD300LG (2.2)	UVRAG (2.1)	CLPTM1 (2.1)	SKA1 (2.1)
SNX13 (2.6)	IGF2R (2.5)	TMEM62 (2.5)	ACP2 (2.2)	FRMD5 (2.2)
SLC12A3 (2.7)	PDHB (2.7)	PTPMT1 (2.6)	FRMD5 (2.2)	BBS2 (2.2)
PCIF1 (3.7)	BAZ1B (3.1)	KBTBD4 (2.9)	CDK12 (2.8)	PGAP3 (2.7)
HSF4 (2.6)	OR5J2 (2.6)	SOST (2.5)	B3GNT9 (2.5)	RSPO3 (2.3)
CATSPER2 (2.4)	NPEPPS (2.3)	PDHB (2.3)	MIEN1 (2.3)	MACF1 (2.1)
BUD13 (3.0)	CXXC1 (3.0)	EDC4 (3.0)	PSMC3 (2.9)	FNBP4 (2.7)
BCAM (4.6)	PVRL2 (4.3)	ELMO3 (4.2)	MYO5B (4.1)	GRB7 (3.9)
TRPS1 (2.5)	PPY (2.5)	APOE (2.5)	PPP1R1B (2.3)	CCDC11 (2.2)
MPP2 (2.1)	PNMT (2.0)	TGM5 (2.0)	CX3CL1 (1.8)	BMP8A (1.8)
TMEM208 (3.2)	TOMM40 (3.1)	TMED5 (3.1)	LSM12 (2.8)	ZFAND2A (2.7)
CCDC11 (1.9)	FBXL20 (1.9)	EXOC3L1 (1.8)	CASC4 (1.8)	FPR3 (1.8)
TSNAXIP1 (2.7)	C11orf49 (2.5)	MT1G (2.4)	CELSR2 (2.3)	ZNF664 (2.3)
ESRP2 (2.8)	ZNF664 (2.7)	C11orf9 (2.4)	DUSP3 (2.3)	TRNP1 (2.2)
PDIA3 (4.2)	LILRA3 (3.2)	ACP2 (2.5)	HERPUD1 (2.5)	TP53BP1 (2.4)
CCL17 (2.6)	LSM12 (2.3)	CLPTM1 (2.3)	MTCH2 (2.2)	E2F4 (2.1)
ACD (3.0)	PSMC3 (2.7)	BBS2 (2.6)	POLR2C (2.5)	GFOD2 (2.5)
CDK12 (2.8)	ZSCAN29 (2.6)	KLHL8 (2.6)	CCNDBP1 (2.4)	GPN2 (2.3)
ERBB2 (2.8)	KPNB1 (2.7)	TOMM40 (2.6)	ARFGAP2 (2.6)	MTCH2 (2.6)
C7orf50 (2.3)	CIAPIN1 (2.0)	TMEM208 (1.9)	PLEKHG4 (1.9)	SNORD58C (1.9)
C1QTNF4 (2.3)	C16orf86 (2.3)	COBLL1 (2.2)	MT1M (2.1)	TMEM175 (2.0)
OGFOD1 (2.5)	KPNB1 (2.4)	EYA3 (2.3)	SNORD58C (2.0)	TOMM40 (1.9)
LILRA3 (2.3)	CASC4 (2.1)	FPR3 (2.1)	PDIA3 (2.0)	GPR146 (1.9)
TMEM208 (3.5)	ZFAND2A (3.3)	NUP93 (3.1)	NUTF2 (3.0)	NDUFS3 (3.0)
TRPS1 (2.5)	IGF2R (2.5)	MT1X (2.3)	ERBB2 (2.2)	MT1M (2.2)
IGF2R (2.4)	TECTB (2.2)	COBLL1 (2.2)	LPL (2.2)	B3GNT9 (2.1)
CDK12 (2.8)	TOMM40 (2.7)	ARFGAP2 (2.6)	ZNF335 (2.4)	CXXC1 (2.3)
RNF214 (3.1)	SETD8 (3.0)	BAZ1B (2.9)	FBXL20 (2.9)	AMBRA1 (2.9)
PDE3A (2.5)	PITPNM2 (2.5)	CSGALNACT1 (2.3)	MON1A (2.1)	TTBK2 (2.0)
CKAP5 (2.9)	MTCH2 (2.8)	NUP160 (2.8)	COX19 (2.8)	SLC39A13 (2.7)
SNORD58C (2.6)	RBM5 (2.2)	PDIA3 (2.0)	LILRA3 (2.0)	CBFB (1.9)
PARD6A (2.5)	TRADD (2.5)	CCL22 (2.3)	ZDHHC18 (2.3)	ST3GAL4 (2.3)
ST3GAL4 (2.4)	CASC4 (2.3)	MT1E (2.2)	MT1F (2.2)	EPB42 (2.1)
CXXC1 (3.0)	TRPS1 (3.0)	ARID1A (2.9)	NLRC5 (2.9)	BCL3 (2.7)
ENSG00000181123 (2	OR5I1 (2.3)	NR0B2 (2.0)	GNAO1 (2.0)	ENSG00000247445 (2
KPNB1 (2.5)	GPIHBP1 (2.4)	TRNP1 (2.3)	MTCH2 (2.3)	DOK4 (2.3)
NDUFS3 (3.6)	PSMB10 (3.2)	PDIA3 (3.1)	TMEM208 (2.9)	POLR2C (2.9)
MACF1 (2.7)	FHOD1 (2.6)	BCAM (2.5)	ZNF614 (2.4)	TOMM40 (2.3)
CTDSPL2 (3.2)	UBR1 (3.1)	NUP93 (3.0)	INTS10 (2.9)	LCMT2 (2.8)
MMAB (5.0)	TMEM208 (3.0)	G6PC3 (2.7)	CELSR2 (2.6)	CES4A (2.6)
DCPS (3.3)	TOMM40 (2.7)	TMED5 (2.6)	CLPTM1 (2.6)	PDIA3 (2.6)

TAGLN (2.6)	EYA3 (2.6)	MACF1 (2.6)	NRBF2 (2.6)	DOK4 (2.5)
SPG11 (2.4)	OR5I1 (2.4)	ST3GAL4 (2.3)	C12orf43 (2.1)	TP53BP1 (2.1)
CSGALNACT1 (2.4)	TRIB1 (2.2)	SLC39A13 (2.1)	TRNP1 (2.1)	CPS1 (2.1)
AMBRA1 (2.7)	DOCK6 (2.6)	CD300LG (2.5)	CDK12 (2.4)	TRNP1 (2.4)
ARHGAP1 (3.2)	PTPRJ (2.6)	KANK2 (2.6)	TRNP1 (2.4)	RBPJ (2.1)
PLEKHG4 (2.9)	TBL2 (2.2)	MYO1H (1.9)	DDB2 (1.8)	DEPDC1 (1.7)
HCAR1 (1.7)	SIDT2 (1.7)	PIGV (1.6)	ESRP2 (1.6)	BACE1 (1.5)
TMEM208 (4.0)	MTCH2 (4.0)	NDUFS3 (3.1)	POLR2C (3.1)	NUP93 (3.1)
NLRC5 (2.6)	CLPTM1 (2.5)	SMPD3 (2.3)	ARHGAP1 (2.3)	HSF4 (2.2)
TMEM208 (3.4)	NDUFS3 (3.0)	POLR2C (2.9)	NOL3 (2.7)	COX19 (2.7)
MTMR3 (2.0)	DOCK6 (2.0)	CCNDBP1 (1.8)	CPNE2 (1.7)	GPER (1.7)
AGBL2 (3.5)	MT1M (3.3)	NAGS (3.2)	ENSG00000236267 (3	TGM7 (2.8)
DEPDC1 (4.5)	SKA1 (4.4)	BBS2 (4.4)	MPHOSPH9 (3.5)	C11orf49 (3.3)
SNX13 (2.9)	HERPUD1 (2.5)	HCAR1 (2.4)	STRC (2.4)	SPG11 (2.3)
C16orf70 (2.4)	BMP8A (2.3)	ENSG00000182109 (2	DPEP3 (2.2)	C12orf65 (2.2)
OR5L2 (2.5)	KCTD19 (2.4)	ACD (2.2)	OR5J2 (2.2)	PSKH1 (2.2)
RAB11B (3.4)	CLPTM1 (3.2)	CELSR2 (2.6)	HERPUD1 (2.5)	BACE1 (2.4)
CIAPIN1 (4.5)	ARFGAP2 (3.6)	POLR2C (3.3)	NUP93 (3.2)	RANBP10 (3.1)
E2F4 (2.4)	MT1E (2.3)	RBM6 (2.3)	CBFB (2.3)	CENPT (2.1)
DPEP2 (2.3)	OR5I1 (2.3)	SMPD3 (2.1)	PDE3A (2.0)	PYY (2.0)
ZNF615 (3.0)	ZNF614 (2.8)	XKR8 (2.5)	NLRC5 (2.3)	TTC39B (2.3)
TMEM208 (3.8)	ZFAND2A (3.5)	NDUFS3 (3.2)	NUTF2 (3.1)	NUP93 (3.0)
OR5J2 (2.4)	KLHL8 (2.1)	ZNF615 (2.0)	NRBF2 (1.9)	GALNT2 (1.8)
DUSP3 (2.2)	ZDHHC18 (2.1)	CCDC92 (2.1)	EXOC3L1 (2.1)	CYP26A1 (1.9)
SNX13 (2.2)	SLC12A3 (2.0)	CCDC92 (2.0)	SNORD58C (1.9)	DDB2 (1.9)
CSGALNACT1 (2.6)	TGM7 (2.4)	UBR1 (2.4)	CCDC92 (2.4)	SLC39A13 (2.3)
SIDT2 (2.7)	ARHGAP1 (2.4)	PVRL2 (2.4)	VEGFA (2.2)	LILRB2 (2.2)
CELSR2 (2.5)	MAP1A (2.5)	GNAO1 (2.4)	ABHD6 (2.4)	APOE (2.4)
TRPS1 (2.8)	LRP4 (2.8)	PLTP (2.7)	MAFF (2.5)	ABHD6 (2.3)
NEUROD2 (2.3)	MT1M (2.2)	C17orf57 (2.0)	MACF1 (1.8)	TMEM62 (1.7)
C12orf43 (2.7)	BAZ1B (2.6)	ZNF259 (2.5)	KLF14 (2.5)	ARFGAP2 (2.4)
PCSK7 (2.9)	FHOD1 (2.4)	UBR1 (2.4)	DOCK6 (2.3)	KLHL8 (2.2)
XKR8 (2.3)	CCL22 (2.3)	CD40 (2.2)	COBLL1 (1.8)	TTC39B (1.8)
PPP1R1B (2.8)	PTPRZ1 (2.7)	MPP2 (2.5)	MST1R (2.4)	CYP26A1 (2.2)
OR5J2 (2.4)	PDIA3 (2.3)	PSMC3 (2.2)	NFATC3 (2.1)	RBM6 (2.1)
PVRL2 (2.9)	SPI1 (2.5)	ARID1A (2.4)	ARHGAP1 (2.2)	KCTD10 (2.2)
ENSG00000179523 (2	CXXC1 (2.3)	ZNF350 (2.3)	SBNO1 (2.2)	RAB11B (2.2)
MAP1A (2.1)	POLR2C (2.0)	MYO1H (2.0)	MYBPC3 (1.9)	NPEPPS (1.9)
ARHGAP1 (2.6)	FRMD5 (2.5)	TMEM175 (2.4)	TAGLN (2.3)	C16orf86 (2.2)
LIPG (2.4)	ZFAND2A (2.3)	HCAR1 (2.1)	TBL2 (2.1)	CMIP (2.0)
XKR8 (2.4)	ZNF408 (2.4)	DPEP2 (2.4)	MFAP1 (2.3)	GFOD2 (2.2)
PCSK7 (2.4)	OR4A21P (2.4)	CD40 (2.3)	NLRC5 (2.2)	CETP (2.0)
AGBL2 (2.3)	TRPS1 (2.2)	KANK2 (2.1)	TGM5 (2.1)	TAGLN (1.9)
TAGLN (3.4)	FRMD5 (2.8)	KANK2 (2.6)	DUSP3 (2.3)	ARHGAP1 (1.8)
GFOD2 (2.8)	MPP3 (2.5)	CELF1 (2.4)	DR1 (2.4)	C17orf105 (2.3)
TMEM101 (2.5)	TMEM62 (2.3)	G6PC3 (2.3)	NR0B2 (2.2)	RAB11B (2.1)
TMEM101 (2.5)	TMEM62 (2.3)	G6PC3 (2.3)	NR0B2 (2.2)	RAB11B (2.1)
LRP4 (2.7)	PTPRJ (2.6)	KIAA0754 (2.5)	ARFGAP2 (2.2)	SLC12A4 (2.1)
ARHGAP1 (2.6)	RLTPR (2.5)	CPNE2 (2.4)	BACE1 (2.4)	HDAC5 (2.3)
TRPS1 (2.6)	SIK3 (2.3)	DPEP3 (2.1)	XKR8 (2.0)	SIDT2 (1.9)

C1orf172 (2.3)	CBFB (2.3)	TNKS (2.2)	PLA2G6 (2.2)	MAFF (2.1)
PGAP3 (3.5)	FNBP4 (3.2)	ARFGAP2 (2.5)	PGS1 (2.5)	GRB7 (2.4)
MTF2 (2.9)	KPNB1 (2.3)	BAZ1B (2.3)	CKAP5 (2.3)	CBFB (2.2)
ACP2 (3.4)	LILRA3 (3.3)	PDIA3 (3.2)	ZSCAN29 (2.4)	IGF2R (2.3)
ARID1A (3.2)	EYA3 (2.9)	LSM12 (2.7)	TP53BP1 (2.5)	ZSCAN29 (2.4)
SLC12A4 (2.4)	IGF2R (2.3)	SMPD3 (2.2)	TBKBP1 (2.2)	BMP8A (2.2)
CD300LG (2.8)	SOST (2.5)	CD36 (2.5)	LIPG (2.4)	DOCK6 (2.1)
DYM (2.2)	CTDSPL2 (2.0)	TBKBP1 (2.0)	MBD1 (2.0)	SNORD58C (1.9)
KIAA0754 (2.8)	MADD (2.8)	AFF1 (2.7)	ATG13 (2.5)	DOCK6 (2.5)
CXXC1 (3.0)	NUP93 (3.0)	ACD (2.8)	RBM5 (2.8)	POLR2C (2.7)
EDC4 (3.0)	NCOA5 (3.0)	PSMC3 (3.0)	POLR2C (2.9)	PCIF1 (2.9)
BAZ1B (3.8)	SKA1 (3.7)	NUP160 (3.3)	ACD (3.3)	C16orf48 (2.8)
NCOA5 (2.7)	SETD8 (2.6)	UBE2L3 (2.5)	RAB11B (2.3)	NUTF2 (2.3)
CTDSPL2 (2.9)	FBXL20 (2.8)	MFAP1 (2.7)	SPG11 (2.7)	SBNO1 (2.6)
SCARB1 (3.1)	PDHB (3.1)	COX19 (2.9)	CIAPIN1 (2.8)	NDUFS3 (2.7)
KIAA0754 (2.4)	SLC12A3 (2.3)	MTMR3 (2.1)	CELF1 (1.9)	ENSG00000223745 (1
DUS2L (2.5)	CENPT (2.4)	EDC4 (2.4)	RSPRY1 (2.3)	SPG11 (2.1)
WDR76 (4.5)	CENPT (4.0)	CKAP5 (3.5)	DDB2 (3.3)	MPHOSPH9 (3.2)
NEUROD2 (2.4)	ENSG00000181123 (2	SLC9A5 (2.2)	CX3CL1 (2.1)	PTPRZ1 (2.0)
ENSG00000226645 (2	OR5J2 (2.0)	ZNF614 (1.7)	ZDHHC18 (1.7)	TBKBP1 (1.5)
MT1M (2.6)	ZSCAN29 (2.5)	ST3GAL4 (2.5)	MT1H (2.4)	HARBI1 (2.2)
FZD9 (2.7)	CELSR2 (2.4)	ABHD6 (2.1)	CITED2 (2.0)	OR5L2 (1.9)
OR4A1P (2.6)	OR5J2 (2.6)	FPR3 (2.4)	DPEP2 (2.4)	ENSG00000229043 (2
TMEM208 (4.2)	ZFAND2A (3.9)	NDUFS3 (3.3)	NUP93 (2.8)	CIAPIN1 (2.8)
TMEM208 (4.2)	ZFAND2A (3.9)	NDUFS3 (3.3)	NUP93 (2.8)	CIAPIN1 (2.8)
PACSIN3 (2.5)	RAPSN (2.5)	C7orf50 (2.0)	C16orf70 (2.0)	DGAT2 (2.0)
PSMC3 (2.3)	MFAP1 (2.3)	CITED2 (2.2)	BCAM (1.9)	SDF2L1 (1.9)
NCOA5 (2.4)	TMED5 (2.3)	CBFB (2.2)	GALNT2 (2.2)	SNX13 (2.2)
NUDT21 (2.3)	AFF1 (2.3)	ENSG00000223745 (2	CXXC1 (2.2)	FNBP4 (2.1)
C16orf86 (2.4)	PARD6A (2.3)	ST3GAL4 (2.3)	GFOD2 (2.2)	DR1 (2.1)
C16orf86 (2.4)	PARD6A (2.3)	ST3GAL4 (2.3)	GFOD2 (2.2)	DR1 (2.1)
C16orf86 (2.4)	PARD6A (2.3)	ST3GAL4 (2.3)	GFOD2 (2.2)	DR1 (2.1)
KANK2 (2.2)	TAGLN (2.1)	FBXL20 (2.1)	ABCA8 (2.0)	SNORD58C (1.9)
HNF4A (2.2)	GPAM (1.9)	APOE (1.9)	MPP2 (1.8)	PDE3A (1.7)
MST1R (4.0)	SFN (3.8)	CMIP (3.1)	CELSR2 (3.1)	MYO5B (2.4)
LPL (2.2)	CSGALNACT1 (2.1)	OR5J2 (2.0)	PTPRJ (2.0)	CYP26A1 (1.9)
C11orf49 (3.1)	B3GNT9 (3.0)	SLC39A13 (2.9)	HERPUD1 (2.9)	TBL2 (2.8)
MT1F (2.3)	HERPUD1 (2.1)	NEUROD2 (2.0)	ACP2 (2.0)	TBL2 (1.9)
LRP4 (2.4)	CYP26A1 (2.4)	C1orf172 (2.3)	GRB7 (2.2)	TRPS1 (2.2)
NUTF2 (2.7)	TOMM40 (2.6)	MED1 (2.3)	EIF3J (2.2)	C12orf43 (2.1)
ZNF335 (3.2)	EDC4 (2.8)	INTS10 (2.8)	NCOA5 (2.5)	CCDC116 (2.4)
TAGLN (2.5)	KCTD6 (2.5)	ABCA8 (2.4)	PDE3A (2.3)	ENSG00000226645 (2
TMEM62 (2.5)	COBLL1 (2.5)	C1QTNF4 (2.5)	TBL2 (2.4)	MT1G (2.4)
PCIF1 (2.7)	ZNF664 (2.6)	DR1 (2.6)	BCL7B (2.6)	OR4A1P (2.4)
SDF2L1 (3.5)	MFAP1 (3.5)	EIF3J (2.8)	C18orf32 (2.8)	TP53BP1 (2.6)
PGAP3 (2.4)	ETV5 (2.3)	ERBB2 (2.3)	OR5J2 (2.0)	C1orf172 (1.9)
KANK2 (3.3)	KCTD10 (3.2)	MACF1 (3.2)	KIAA0754 (3.0)	SLC12A4 (3.0)
MTMR3 (3.0)	NUDT21 (2.9)	FAM192A (2.7)	EDC4 (2.7)	FBXL20 (2.7)
GPIHBP1 (2.8)	JMJD1C (2.6)	C1orf172 (2.4)	KIAA0895L (2.3)	MACF1 (2.3)
MT1M (3.2)	ENSG00000179523 (3	HERPUD1 (2.4)	SPG11 (2.3)	NAGS (2.2)

CIAPIN1 (2.4)	BUD13 (2.2)	TSNAXIP1 (2.2)	NUDT21 (2.0)	CENPT (1.9)
TECTB (2.8)	KLF14 (2.6)	GPER (2.6)	ENSG00000226645 (2	ZNF350 (2.0)
G6PC3 (2.2)	NEUROD2 (2.1)	VEGFA (1.9)	ENSG00000226645 (1	LIPC (1.7)
MAP1A (2.8)	KCTD10 (2.5)	GNAO1 (2.3)	TRNP1 (2.3)	SNX10 (2.2)
RSPRY1 (3.8)	PARD6A (3.7)	NFATC3 (3.6)	SLC7A6OS (3.5)	OGFOD1 (3.5)
FZD9 (2.5)	TRPS1 (2.3)	LRP4 (2.3)	CYP26A1 (2.2)	REEP3 (1.9)
TAGLN (2.3)	TECTB (2.3)	FHOD1 (2.0)	SLC39A13 (1.9)	RSPO3 (1.9)
DOK4 (2.9)	KANK2 (2.8)	DUSP3 (2.7)	GPIHBP1 (2.7)	PVRL2 (2.7)
RBM6 (3.1)	PCIF1 (2.9)	SEC14L4 (2.8)	ACD (2.7)	EDC4 (2.6)
DDB2 (3.8)	NUP93 (3.8)	C16orf48 (3.3)	SKA1 (3.1)	MTCH2 (3.0)
KPNB1 (3.0)	CELF1 (2.9)	MED1 (2.8)	SNORD58C (2.8)	PRMT7 (2.8)
MACF1 (2.6)	C1orf172 (2.6)	RBM5 (2.5)	AMFR (2.3)	ENSG00000229043 (2
SPI1 (2.6)	CCL22 (2.3)	LILRA3 (2.3)	RELB (2.2)	FPR3 (2.2)
E2F4 (2.9)	TOMM40 (2.8)	CTDSPL2 (2.4)	EIF3J (2.4)	MIEN1 (2.3)
E2F4 (2.9)	TOMM40 (2.8)	CTDSPL2 (2.4)	EIF3J (2.4)	MIEN1 (2.3)
UBR1 (2.4)	PGS1 (2.3)	DNAH10 (2.3)	ENSG00000247445 (2	ZSCAN29 (2.1)
EIF3J (3.1)	DDX28 (3.1)	MED1 (2.9)	PRMT7 (2.9)	C7orf50 (2.8)
LCMT2 (2.5)	UBR1 (2.4)	BUD13 (2.4)	EDC4 (2.2)	ARID1A (2.2)
LSM12 (2.1)	C17orf57 (2.0)	MPP2 (2.0)	CYP26A1 (1.9)	BACE1 (1.8)
MT1E (3.0)	ELMO3 (3.0)	C1orf172 (3.0)	KCTD6 (2.9)	MT1X (2.7)
CX3CL1 (2.6)	CELSR2 (2.5)	MPP2 (2.5)	C1QTNF4 (2.5)	TGM7 (2.3)
CCDC11 (3.0)	SEC14L4 (2.9)	APOA5 (2.6)	AGBL2 (2.5)	TSNAXIP1 (2.5)
CCDC11 (3.0)	SEC14L4 (2.9)	APOA5 (2.6)	AGBL2 (2.5)	TSNAXIP1 (2.5)
CCDC11 (3.0)	SEC14L4 (2.9)	APOA5 (2.6)	AGBL2 (2.5)	TSNAXIP1 (2.5)
PACSIN3 (3.3)	COQ9 (3.1)	PDE3A (2.6)	PDHB (2.2)	BCAM (2.0)
ZNF408 (3.0)	SLC7A6OS (3.0)	DDX28 (2.6)	GPN2 (2.6)	OGFOD1 (2.6)
SLC9A5 (2.6)	BACE1 (2.6)	ST3GAL4 (2.6)	PTPRJ (2.5)	MON1A (2.4)
BUD13 (2.6)	DOCK6 (2.6)	KIAA0754 (2.5)	UVRAG (2.4)	PXK (2.4)
BMP8A (2.7)	LRP4 (2.4)	TECTB (2.3)	CITED2 (2.2)	RSPO3 (2.1)
TMEM208 (3.4)	NOL3 (3.3)	UBE2L3 (3.3)	COX19 (3.0)	NUTF2 (2.7)
TMEM101 (3.0)	UBE3B (3.0)	ZNF335 (2.9)	PCSK7 (2.6)	UBR1 (2.5)
PCSK7 (2.5)	CD40 (2.5)	CETP (2.4)	BMP8A (2.4)	XKR8 (2.2)
PLEKHG4 (1.9)	CX3CL1 (1.9)	SNORD58C (1.8)	GPAM (1.8)	UBR1 (1.8)
ZDHHC18 (2.4)	ACP2 (2.3)	SNX10 (2.2)	LILRB2 (2.2)	NR1H3 (2.1)
SIDT2 (2.7)	PXK (2.5)	KLHL8 (2.4)	DYM (2.3)	SLC39A13 (2.3)
MADD (2.1)	DUSP3 (1.8)	CMIP (1.8)	CCDC92 (1.7)	SLC12A3 (1.7)
TRNP1 (2.4)	PPP1R1B (2.3)	TAGLN (2.3)	TRPS1 (2.2)	CX3CL1 (2.2)
NRBF2 (2.8)	DYM (2.8)	ATG13 (2.8)	GPN2 (2.7)	CCNDBP1 (2.6)
AFF1 (2.9)	FHOD1 (2.8)	PAFAH1B2 (2.4)	UBR1 (2.4)	DOCK6 (2.3)
CELSR2 (2.4)	RNF214 (2.2)	ABHD6 (2.2)	MACF1 (2.1)	CPNE2 (2.1)
PRMT7 (3.2)	DDX28 (2.8)	C12orf43 (2.8)	DUS2L (2.7)	C7orf50 (2.5)
C1orf172 (3.1)	LCAT (2.9)	CDK12 (2.8)	HNF1A (2.7)	TECTB (2.6)
TGM7 (2.1)	DYM (2.0)	TMEM62 (1.9)	NOL3 (1.9)	ACAA2 (1.7)
ZDHHC18 (2.3)	OR4A21P (2.2)	IGF2R (2.1)	ACP2 (1.9)	NFATC3 (1.9)
SLC39A13 (2.4)	KANK2 (2.3)	NR1H3 (2.3)	DOCK6 (2.3)	ACP2 (2.2)
MON1A (2.5)	HNF4A (2.3)	ENSG00000255507 (2	CCDC11 (2.2)	LRRC29 (2.2)
IGF2R (2.6)	PACSIN3 (2.5)	ZNF664 (2.5)	SPG11 (2.5)	ERBB2 (2.4)
PTPRJ (2.8)	SLC9A5 (2.7)	CSGALNACT1 (2.7)	ST3GAL4 (2.7)	MON1A (2.6)
PTPRJ (2.8)	SLC9A5 (2.7)	CSGALNACT1 (2.7)	ST3GAL4 (2.7)	MON1A (2.6)
ABCA1 (2.4)	NEUROD2 (2.3)	CYP26A1 (2.2)	NR1H3 (2.1)	UBE3B (1.8)

BCL3 (2.4)	PITPNM2 (2.2)	MAFF (2.1)	CX3CL1 (2.1)	DUSP3 (2.0)
PTPRJ (2.3)	ANGPTL4 (2.0)	C1QTNF4 (2.0)	PACSIN3 (2.0)	C16orf86 (1.9)
MIEN1 (3.9)	GPN2 (3.9)	GRB7 (3.6)	MED1 (3.5)	MTF2 (3.2)
PDIA3 (3.7)	LILRA3 (3.5)	ACP2 (3.1)	HERPUD1 (2.4)	IGF2R (2.2)
PDIA3 (3.7)	LILRA3 (3.5)	ACP2 (3.1)	HERPUD1 (2.4)	IGF2R (2.2)
PDIA3 (3.7)	LILRA3 (3.5)	ACP2 (3.1)	HERPUD1 (2.4)	IGF2R (2.2)
CCDC116 (2.5)	OR4A1P (2.4)	ENSG00000181123 (2	KLF14 (2.1)	MT1M (2.1)
C12orf65 (2.4)	CMIP (2.0)	KIAA0895L (1.9)	DDX28 (1.6)	DUS2L (1.5)
C12orf65 (2.4)	CMIP (2.0)	KIAA0895L (1.9)	DDX28 (1.6)	DUS2L (1.5)
FZD9 (2.9)	MVK (2.6)	RAB11B (2.5)	TMEM175 (2.5)	TRPS1 (2.5)
BBS2 (3.5)	PRMT7 (3.4)	SPG11 (3.3)	NUP93 (3.2)	UBR1 (3.1)
DCPS (3.1)	C11orf49 (3.0)	C12orf43 (2.9)	TP53BP1 (2.8)	MPHOSPH9 (2.7)
PVRL2 (2.9)	MACF1 (2.5)	C1orf172 (2.5)	BCAM (2.2)	KIAA0754 (2.2)
PYY (3.7)	HERPUD1 (3.3)	RSPRY1 (2.8)	FADS2 (2.8)	B3GNT9 (2.6)
KLHL8 (2.8)	ZNF259 (2.8)	PLA2G6 (2.7)	MIEN1 (2.6)	SNORD58C (2.4)
KLHL8 (2.8)	ZNF259 (2.8)	PLA2G6 (2.7)	MIEN1 (2.6)	SNORD58C (2.4)
KLHL8 (2.8)	ZNF259 (2.8)	PLA2G6 (2.7)	MIEN1 (2.6)	SNORD58C (2.4)
XKR8 (2.3)	COBLL1 (2.2)	BMP8A (2.2)	ENSG00000181296 (1	CETP (1.8)
GPIHBP1 (2.9)	MPP2 (2.5)	CELSR2 (2.5)	PVRL2 (2.4)	EXOC3L1 (2.4)
PSMB10 (5.8)	HERPUD1 (4.8)	TBL2 (3.7)	TP53BP1 (3.0)	TMED5 (2.7)
MACF1 (2.4)	LIPG (2.4)	SOST (2.3)	TSNAXIP1 (2.3)	PLTP (2.3)
CYP26A1 (2.5)	TMEM101 (1.9)	TAGLN (1.8)	GALNT2 (1.7)	KANK2 (1.7)
ESRP2 (2.1)	NLRC5 (2.1)	ELMO3 (1.8)	APOC3 (1.8)	PLG (1.8)
TMEM208 (3.7)	NDUFS3 (3.7)	ZFAND2A (3.6)	POLR2C (3.1)	NUP93 (2.9)
TMEM101 (2.5)	MT1M (2.3)	SOST (2.3)	PTPRZ1 (2.2)	TNKS (2.1)
TCAP (2.6)	GNAO1 (2.5)	MPP2 (2.4)	MYO5B (2.4)	DOK4 (2.4)
INTS10 (2.6)	RANBP10 (2.5)	C11orf49 (2.4)	CSGALNACT1 (2.4)	MST1R (2.3)
KPNB1 (3.9)	LSM12 (3.5)	MTCH2 (3.3)	SDF2L1 (2.9)	PDIA3 (2.8)
TP53BP1 (2.7)	NUP160 (2.4)	MADD (2.4)	CKAP5 (2.4)	MED1 (2.4)
EIF3J (3.5)	TOMM40 (3.4)	KPNB1 (3.3)	SDF2L1 (3.1)	NUTF2 (3.0)
PCIF1 (2.2)	SCARB1 (2.2)	IGF2R (2.0)	C17orf105 (1.9)	CYP2W1 (1.9)
NUDT21 (2.9)	THAP11 (2.8)	C18orf32 (2.8)	CCNDBP1 (2.8)	C16orf48 (2.7)
HNF1A (2.8)	DOK4 (2.6)	MYO5B (2.4)	ARHGAP1 (2.4)	APOB (2.3)
ETV5 (2.9)	EXOC3L1 (2.5)	GPR146 (2.5)	KANK2 (2.2)	PSKH1 (2.1)
CKAP5 (2.1)	SIK3 (2.1)	DR1 (2.1)	TNKS (2.0)	MFAP1 (2.0)
MFAP1 (2.6)	EIF3J (2.4)	NUP160 (2.3)	TBL2 (2.2)	INTS10 (2.2)
PGS1 (3.2)	SNX13 (3.0)	KIAA0895L (3.0)	CCNDBP1 (3.0)	TNKS (2.7)
ARHGAP1 (3.1)	ATG13 (2.9)	RSPRY1 (2.8)	SDF2L1 (2.3)	ARFGAP2 (2.1)
CCDC11 (2.0)	FRMD5 (1.9)	EXOC3L1 (1.9)	CYP2W1 (1.9)	ENSG00000255507 (1
PGAP3 (3.2)	NRBF2 (2.8)	KBTBD4 (2.8)	OASL (2.8)	ERBB2 (2.6)
C7orf50 (2.7)	C12orf43 (2.7)	DDX28 (2.6)	GPN2 (2.6)	PRMT7 (2.5)
CCNDBP1 (3.1)	ENSG00000179523 (3	POLR2C (2.7)	IGF2R (2.4)	OGFOD1 (2.3)
FZD9 (3.1)	SIK3 (2.9)	TRNP1 (2.9)	MYO5B (2.8)	CMIP (2.5)
MTMR3 (2.8)	CTDSPL2 (2.8)	EPB42 (2.5)	CETP (2.5)	ENSG00000226334 (2
LILRB2 (2.5)	PTPRJ (2.5)	CX3CL1 (2.4)	DYM (2.0)	AFF1 (1.8)
CKAP5 (3.0)	KPNB1 (3.0)	PRMT7 (2.9)	INTS10 (2.8)	CTDSPL2 (2.6)
NUDT21 (3.3)	RSPRY1 (3.3)	ARID1A (3.2)	MTF2 (3.1)	GPN2 (3.0)
CX3CL1 (2.5)	RELB (2.5)	DPEP2 (2.3)	MACF1 (2.3)	DPEP3 (2.2)
NEUROD2 (3.1)	ZFAND2A (2.9)	PAFAH1B2 (2.7)	UBR1 (2.7)	TP53BP1 (2.4)
NEUROD2 (3.0)	DNAH10 (2.5)	CCDC11 (2.3)	BCAM (2.2)	C11orf9 (2.1)

SLC7A6OS (3.5)	BUD13 (3.3)	MFAP1 (3.0)	INTS10 (2.9)	NCOA5 (2.8)
PDE3A (2.8)	PITPNM2 (2.5)	KLF14 (2.4)	HDAC5 (2.1)	CTRL (2.1)
MACF1 (3.4)	ARHGAP1 (3.2)	RBM5 (3.1)	CITED2 (3.0)	NCOA5 (2.6)
EDC4 (3.0)	BBS2 (2.9)	C16orf48 (2.8)	NPEPPS (2.8)	NOL3 (2.7)
MYO5B (4.3)	GRB7 (3.6)	ZNF664 (3.4)	ELMO3 (2.9)	ERBB2 (2.7)
CX3CL1 (2.8)	ZNF613 (2.5)	ACD (1.9)	KCTD6 (1.9)	ARID1A (1.8)
UVRAG (2.9)	DOCK6 (2.4)	UBR1 (2.2)	FHOD1 (2.2)	KIAA0754 (2.1)
KPNB1 (2.9)	KCTD10 (2.4)	PGAP3 (2.2)	ST3GAL4 (2.1)	CYP2W1 (2.1)
KPNB1 (3.2)	BAZ1B (3.0)	TBL2 (3.0)	TNKS (3.0)	INTS10 (2.7)
RLTPR (1.8)	DGKG (1.8)	CYP2W1 (1.8)	PXK (1.8)	TRNP1 (1.7)
SIDT2 (2.6)	ENSG00000182109 (2	RLTPR (2.4)	RBPJ (2.3)	CX3CL1 (2.3)
PCIF1 (2.5)	LSM12 (2.5)	CXXC1 (2.5)	JMJD1C (2.5)	MED1 (2.4)
MTMR3 (2.5)	CBFB (2.2)	FHOD1 (2.0)	HNF1A (1.9)	BCAM (1.8)
CCL17 (2.1)	ENSG00000179523 (2	TTC39B (2.0)	PGS1 (1.9)	OR5L2 (1.9)
TMEM62 (2.9)	LRRC29 (2.8)	OR5L2 (2.7)	PTPMT1 (2.5)	DPEP2 (2.5)
NUTF2 (2.9)	EIF3J (2.8)	UBE2L3 (2.7)	CIAPIN1 (2.6)	LSM12 (2.4)
PYY (2.8)	OR5J2 (2.4)	TECTB (2.2)	ZNF613 (1.9)	ENSG00000223745 (1
C16orf48 (3.1)	RBM6 (3.1)	ARID1A (3.0)	TUBGCP4 (2.7)	C12orf43 (2.6)
SPRYD5 (2.3)	RELB (2.2)	ACP2 (2.0)	ENSG00000226334 (1	REEP3 (1.8)
CYP2W1 (2.4)	SLC39A13 (2.4)	ERBB2 (2.1)	ENSG00000254235 (2	LCMT2 (2.0)
MED1 (6.4)	GRB7 (5.1)	FBXL20 (3.8)	PNMT (3.8)	MIEN1 (3.4)
SBNO1 (2.9)	RAPSN (2.8)	IGF2R (2.7)	SKA1 (2.5)	NFATC3 (2.5)
HERPUD1 (3.3)	CATSPER2 (2.5)	TMED5 (2.1)	TOMM40 (2.1)	ZNF259 (2.0)
CENPT (3.7)	MPHOSPH9 (3.7)	FEN1 (2.6)	UBE3B (2.5)	TP53BP1 (2.5)
TAGLN (2.5)	KCTD6 (2.2)	CITED2 (2.1)	LPA (2.0)	RAPSN (1.9)
DYM (3.1)	ZNF613 (3.0)	SNORD58C (2.9)	C17orf57 (2.9)	DR1 (2.6)
DEPDC1 (3.5)	ZSCAN29 (3.4)	ADAL (3.3)	TUBGCP4 (3.2)	CKAP5 (3.0)
RSPO3 (2.9)	KCTD6 (2.8)	DNAH10 (2.7)	ENSG00000256746 (2	ENSG00000181123 (2
PVRL2 (2.6)	DOK4 (2.4)	LSM12 (2.1)	NAGS (2.0)	APOB (2.0)
PTPRJ (2.7)	KPNB1 (2.6)	CD40 (2.6)	SBNO1 (2.4)	ZFAND2A (2.4)
CKAP5 (2.8)	EIF3J (2.6)	PTPMT1 (2.6)	OGFOD1 (2.5)	UBR1 (2.4)
RBM6 (2.8)	MTF2 (2.7)	CELF1 (2.7)	SNORD58C (2.6)	LRRC29 (2.5)
SLC7A6 (2.5)	MAFF (2.5)	SOST (2.4)	TAGLN (2.1)	IGF2R (2.1)
MST1R (3.4)	C1orf172 (3.4)	ELMO3 (3.0)	CELSR2 (2.9)	TGM7 (2.6)
ETV5 (2.5)	ZNF614 (2.0)	SOST (1.9)	E2F4 (1.8)	ENSG00000181123 (1
LSM12 (2.7)	MON1A (2.4)	EIF3J (2.4)	ZFAND2A (2.4)	UBE2L3 (2.2)
PPP1R1B (2.8)	HNF4A (2.3)	TBL2 (2.1)	PLG (2.1)	STRC (2.0)
NDUFS3 (2.7)	PDHB (2.6)	SMPD3 (2.4)	NR1H3 (2.3)	MTCH2 (2.3)
LILRA3 (2.5)	OR5I1 (2.4)	ENSG00000181296 (2	ACP2 (2.1)	DPEP2 (2.1)
NAGS (2.5)	MT1E (2.1)	CCDC116 (2.0)	HNF4A (1.9)	GPER (1.9)
PXK (2.9)	MTMR3 (2.9)	TP53BP1 (2.9)	KLHL8 (2.7)	MADD (2.4)
NUDT21 (2.8)	KPNB1 (2.8)	RBM5 (2.8)	NCOA5 (2.8)	UBE2L3 (2.7)
EXOC3L1 (2.5)	CYP26A1 (2.4)	BCAM (2.4)	LRP4 (2.4)	RSPO3 (2.2)
SLC7A6OS (2.9)	C7orf50 (2.6)	C12orf43 (2.5)	NUP160 (2.5)	PRMT7 (2.4)
C17orf57 (2.3)	RNF214 (2.2)	C16orf48 (2.2)	PIGV (2.2)	COQ9 (2.0)
COBLL1 (2.8)	PCSK7 (2.7)	MACF1 (2.7)	DUS2L (2.6)	RANBP10 (2.6)
MTMR3 (2.7)	UBE3B (2.5)	SPI1 (2.4)	FHOD1 (2.3)	UBR1 (2.2)
CD300LG (2.6)	TMEM175 (2.5)	EXOC3L1 (2.3)	TBKBP1 (2.3)	C11orf9 (2.2)
MTCH2 (3.6)	FEN1 (3.6)	NUP93 (3.5)	ZFAND2A (3.4)	WDR76 (3.2)
CDK12 (2.3)	NEUROD2 (2.1)	KANK2 (2.1)	FBXL20 (2.1)	ABCA8 (2.0)

HARBI1 (2.7)	MTCH2 (2.7)	ENSG00000247445 (2	PAFAH1B2 (2.6)	ZNF614 (2.5)
SBNO1 (2.8)	LSM12 (2.8)	HDAC5 (2.7)	SETD8 (2.6)	DR1 (2.4)
NLRC5 (3.5)	SNX10 (2.3)	CCL17 (2.2)	APOC1 (2.2)	UVRAG (2.2)
CYP26A1 (2.4)	KLHL8 (2.4)	DYM (2.3)	CMIP (2.2)	TTC39B (2.2)
MAFF (3.6)	RBPJ (2.8)	CX3CL1 (2.7)	COX19 (2.6)	PIGV (2.6)
SNX13 (2.8)	PLTP (2.7)	SOST (2.6)	ETV5 (2.4)	FHOD1 (2.3)
OR4A21P (3.0)	OR4A1P (2.6)	GPIHBP1 (2.3)	DPEP2 (2.2)	GPR146 (2.1)
LRP4 (2.7)	ENSG00000256746 (2	MYO5B (2.6)	ESRP2 (2.4)	CELSR2 (2.3)
DUS2L (2.3)	RBPJ (2.2)	CELF1 (1.9)	SLC39A13 (1.9)	PXK (1.9)
G6PC3 (2.5)	BBS2 (2.5)	FBXL20 (2.2)	AMBRA1 (2.2)	KPNB1 (2.1)
MT1G (2.7)	ESRP2 (2.5)	CYP26A1 (2.4)	MT1F (2.3)	ABCA8 (2.2)
BAZ1B (3.0)	NCOA5 (3.0)	ZNF664 (2.8)	OR4A1P (2.6)	PCIF1 (2.6)
ATG13 (3.5)	PCSK7 (2.9)	PDIA3 (2.8)	SDF2L1 (2.6)	ZNF335 (2.5)
ZNF259 (2.6)	NUTF2 (2.5)	ATG13 (2.3)	PSMC3 (2.2)	KPNB1 (2.2)
NUP160 (3.5)	CTDSPL2 (2.9)	SKA1 (2.5)	C16orf48 (2.4)	UVRAG (2.4)
KCTD10 (2.3)	CPNE2 (2.2)	GNAO1 (2.2)	CD36 (2.1)	KCTD6 (2.1)
NUP93 (3.0)	INTS10 (2.9)	LCMT2 (2.8)	CTDSPL2 (2.6)	CKAP5 (2.6)
DPEP3 (4.1)	FEN1 (4.1)	CKAP5 (3.3)	CENPT (3.2)	WDR76 (3.2)
ZNF615 (2.5)	LRRC29 (2.3)	FPR3 (2.1)	ACP2 (2.0)	TMEM62 (2.0)
ZNF615 (2.5)	LRRC29 (2.3)	FPR3 (2.1)	ACP2 (2.0)	TMEM62 (2.0)
UBE3B (2.5)	MON1A (2.2)	MPHOSPH9 (2.1)	COQ9 (2.1)	DEPDC1 (2.1)
ENSG00000226645 (2	TTBK2 (2.5)	BMP8A (2.5)	C16orf86 (2.3)	LRRC29 (2.2)
KCTD10 (2.5)	ENSG00000226645 (2	PVRL2 (2.2)	CCDC11 (2.1)	SOST (1.9)
OASL (3.2)	PIGV (3.0)	PSMB10 (2.9)	PTPRJ (2.7)	XKR8 (2.5)
OASL (3.2)	PIGV (3.0)	PSMB10 (2.9)	PTPRJ (2.7)	XKR8 (2.5)
OR4A1P (2.4)	ENSG00000181123 (2	GFOD2 (2.2)	BMP8A (2.1)	CASC4 (2.1)
KIAA0895L (2.6)	CIAPIN1 (2.5)	SNORD58C (2.2)	SLC7A6 (2.0)	ACAA2 (2.0)
CATSPER2 (2.5)	PLA2G6 (2.4)	COQ9 (2.4)	MT1M (2.3)	SIK3 (2.2)
NUP160 (2.8)	SBNO1 (2.7)	EIF3J (2.6)	GPN2 (2.5)	MIEN1 (2.5)
CASC4 (2.6)	GALNT2 (2.5)	REEP3 (2.3)	RAPSN (2.2)	ZNF615 (2.1)
TMEM208 (3.5)	ZFAND2A (3.2)	NUP93 (3.1)	NDUFS3 (3.1)	NUTF2 (2.9)
GNAO1 (2.5)	LRP4 (2.5)	SLC9A5 (2.4)	KCTD10 (2.3)	NEUROD2 (2.3)
CMIP (2.4)	FPR3 (2.1)	IGF2R (2.0)	MYBPC3 (1.8)	SNX10 (1.7)
MADD (2.8)	TRNP1 (2.8)	RLTPR (2.7)	MAP1A (2.2)	GNAO1 (2.2)
PRMT7 (2.6)	NUP160 (2.5)	ZNF259 (2.4)	C12orf43 (2.3)	TOMM40 (2.3)
PSMB10 (2.0)	CCL17 (2.0)	CETP (2.0)	DPEP2 (1.9)	TTC39B (1.9)
ENSG00000247445 (2	COBLL1 (2.8)	ENSG00000181123 (2	ENSG00000255507 (2	ST3GAL4 (2.5)
PRMT7 (3.0)	SLC7A6OS (2.6)	C7orf50 (2.5)	EIF3J (2.5)	YDJC (2.2)
ABHD6 (2.5)	PLG (2.3)	MT1G (2.1)	TBL2 (2.1)	MT1F (2.1)
CASC4 (2.8)	ARFGAP2 (2.7)	BCL7B (2.7)	ZDHHC18 (2.6)	PSMC3 (2.5)
ABCA8 (2.6)	NR1H3 (2.5)	UBE3B (2.4)	RAPSN (2.4)	TCAP (2.4)
NR1H3 (2.5)	SMPD3 (2.0)	C1QTNF4 (2.0)	CES4A (1.9)	ABCB9 (1.9)
CKAP5 (2.7)	SNORD58C (2.7)	NUP160 (2.5)	ARFGAP2 (2.5)	NCOA5 (2.4)
ZSCAN29 (3.1)	NUDT21 (2.9)	NFATC3 (2.7)	POLR2C (2.6)	CASC4 (2.6)
ARID1A (2.9)	DR1 (2.8)	SBNO1 (2.7)	BAZ1B (2.3)	SETD8 (2.1)
RELB (2.7)	HERPUD1 (2.6)	SBNO1 (2.2)	NCOA5 (2.0)	TP53BP1 (2.0)
ESRP2 (2.4)	ENSG00000182109 (2	C1orf172 (1.9)	SPG11 (1.9)	TTC39B (1.9)
UBE3B (3.3)	DR1 (3.3)	NRBF2 (3.3)	KBTBD4 (2.9)	PGAP3 (2.8)
MFAP1 (2.5)	NCOA5 (2.4)	C12orf43 (2.2)	RELB (2.1)	DUS2L (2.1)
PIGV (4.4)	CLPTM1 (3.9)	TMED5 (3.8)	TMEM208 (3.8)	TBL2 (3.3)

INTS10 (3.2)	SNORD58C (2.9)	DR1 (2.9)	RBM6 (2.8)	BUD13 (2.8)
ZNF259 (2.9)	STRC (2.9)	MT1X (2.8)	ZNF408 (2.6)	RBM6 (2.5)
KPNB1 (2.8)	FNBP4 (2.7)	ZNF259 (2.7)	DYM (2.4)	RBPJ (2.4)
CITED2 (2.6)	C7orf50 (2.5)	ZNF335 (2.5)	DCPS (2.2)	MTMR3 (2.1)
SNORD58C (2.3)	LSM12 (2.3)	RBM6 (2.1)	ZNF664 (2.1)	CBFB (2.0)
COBLL1 (2.1)	LPL (1.9)	ABCB9 (1.9)	NPEPPS (1.9)	RSPO3 (1.9)
PTPRZ1 (2.4)	C17orf57 (2.3)	C1orf172 (2.3)	MST1R (1.6)	TTC39B (1.6)
MTMR3 (3.1)	SPI1 (2.7)	UBR1 (2.6)	SPG11 (2.3)	FHOD1 (2.3)
PARD6A (2.7)	CELSR2 (2.6)	BACE1 (2.3)	MADD (2.1)	SCARB1 (2.1)
SEC14L4 (3.0)	RSPRY1 (2.9)	ZNF613 (2.8)	CCDC11 (2.7)	OR4A1P (2.5)
C7orf50 (2.8)	SLC7A6OS (2.6)	RBM6 (2.3)	DUS2L (2.3)	ENSG00000226645 (2
C7orf50 (2.8)	SLC7A6OS (2.6)	RBM6 (2.3)	DUS2L (2.3)	ENSG00000226645 (2
C7orf50 (2.8)	SLC7A6OS (2.6)	RBM6 (2.3)	DUS2L (2.3)	ENSG00000226645 (2
COBLL1 (2.5)	ABCA8 (2.5)	KANK2 (2.5)	BACE1 (2.3)	PPIP5K1 (2.3)
MST1R (4.7)	SFN (3.9)	MYO5B (3.6)	GRB7 (3.3)	ERBB2 (3.1)
CES4A (2.3)	PLA2G6 (2.0)	ENSG00000229043 (2	MON1A (1.9)	HNF1A (1.9)
CELSR2 (2.2)	ENSG00000182109 (2	KIAA0754 (2.1)	ENSG00000223745 (2	CITED2 (1.8)
TGM7 (2.5)	CCDC92 (2.3)	RNF214 (2.3)	CPNE2 (2.1)	TTC39B (2.1)
KCTD10 (2.7)	NUTF2 (2.6)	KPNB1 (2.4)	ARHGAP1 (2.3)	CITED2 (2.0)
EIF3J (2.6)	RBM6 (2.3)	SLC7A6OS (2.3)	C12orf43 (2.2)	GPN2 (2.2)
ZSCAN29 (2.5)	TUBGCP4 (2.4)	CPNE2 (2.4)	NPEPPS (2.3)	TTBK2 (2.3)
CCL22 (2.1)	DUS2L (1.9)	ENSG00000226334 (1	ZDHHC18 (1.9)	UVRAG (1.8)
PSMB10 (2.2)	C17orf57 (2.2)	NLRC5 (2.2)	KANK2 (1.9)	HNF1A (1.9)
C18orf32 (3.5)	MACF1 (2.8)	SETD8 (2.6)	ARHGAP1 (2.5)	TRNP1 (2.1)
KLF14 (2.6)	ZNF615 (2.1)	ENSG00000226334 (2	PYY (1.9)	KANK2 (1.9)
C11orf9 (3.2)	ARHGAP1 (2.8)	FRMD5 (2.7)	ST3GAL4 (2.2)	PPP1R1B (2.2)
SEC14L4 (2.9)	ENSG00000226334 (2	PGAP3 (2.5)	ABHD6 (2.4)	ABCA8 (2.4)
CTRL (2.8)	MPP2 (2.7)	MADD (2.7)	TMEM208 (2.5)	CLPTM1 (2.3)
SETD8 (3.0)	CKAP5 (3.0)	CENPT (2.7)	CCDC18 (2.7)	SCARB1 (2.4)
B3GNT9 (1.9)	ABHD6 (1.8)	CETP (1.8)	NEUROD2 (1.8)	FPR3 (1.8)
C12orf43 (3.0)	ADAL (2.9)	SIK3 (2.8)	ZNF614 (2.8)	TP53BP1 (2.6)
PTPRJ (2.3)	PDE3A (2.2)	SNX13 (2.2)	ADAL (2.1)	ENSG00000181296 (2
PARD6A (2.6)	SLC7A6OS (2.5)	RBPJ (2.4)	C18orf32 (2.4)	NUDT21 (2.3)
EIF3J (3.4)	TMEM208 (3.3)	NDUFS3 (3.2)	TOMM40 (2.9)	COX19 (2.6)
PGS1 (2.5)	RSPO3 (2.4)	ETV5 (2.3)	CYP26A1 (1.9)	AMFR (1.9)
RAPSN (2.2)	RSPO3 (2.1)	ENSG00000247867 (2	REEP3 (2.0)	MPP3 (1.8)
CES4A (2.5)	PPIP5K1 (2.5)	SPG11 (2.3)	TUBGCP4 (2.3)	MADD (2.2)
EIF3J (3.0)	RBM6 (2.8)	OGFOD1 (2.6)	C7orf50 (2.5)	GPN2 (2.5)
HSF4 (2.5)	PAFAH1B2 (2.5)	LSM12 (2.3)	BCL7B (2.3)	TMEM101 (2.2)
KCTD19 (2.9)	AGBL2 (2.9)	LPA (2.7)	ZNF613 (2.4)	ENSG00000236267 (2
HERPUD1 (2.8)	ENSG00000236267 (2	KCTD6 (2.1)	COBLL1 (2.1)	ABCB9 (2.0)
C18orf32 (2.2)	RAB11B (2.1)	KCTD6 (2.0)	ENSG00000236267 (1	KLHL8 (1.8)
MFAP1 (3.1)	NUP93 (2.9)	RBM5 (2.8)	NUP160 (2.8)	NCOA5 (2.7)
MPP2 (2.9)	PITPNM2 (2.5)	PLEKHG4 (2.5)	ABCB9 (2.3)	GALNT2 (2.3)
FNBP4 (2.5)	KCTD6 (2.5)	LILRB2 (2.4)	ENSG00000254235 (2	RBM5 (2.2)
TMEM208 (3.5)	G6PC3 (2.9)	FADS2 (2.9)	C18orf32 (2.8)	SLC7A6 (2.6)
NUP93 (3.2)	INTS10 (2.9)	LCMT2 (2.7)	TP53BP1 (2.7)	CELF1 (2.5)
BMP8A (2.8)	LRP4 (2.6)	MT1M (2.4)	PPP1R1B (2.4)	CYP26A1 (2.3)
RBM5 (3.3)	CELF1 (3.3)	NUP93 (3.0)	BUD13 (2.9)	ACD (2.9)
KPNB1 (3.1)	UBR1 (3.0)	NUDT21 (3.0)	TP53BP1 (2.7)	NUP93 (2.6)

ACD (2.5)	LSM12 (2.2)	DCPS (2.2)	COBLL1 (2.0)	C7orf50 (1.9)
C1orf172 (3.9)	TAGLN (3.6)	MACF1 (3.5)	MYO5B (3.4)	GRB7 (3.3)
C11orf9 (2.7)	EPB42 (2.4)	PYY (2.2)	B3GNT9 (2.1)	CTRL (1.9)
FADS2 (2.3)	TGM7 (2.3)	ENSG00000179523 (2	SNX10 (2.2)	PPP1R1B (2.2)
SNORD58C (3.0)	RBM5 (2.9)	RBM6 (2.7)	CTDSPL2 (2.7)	LSM12 (2.7)
TBKBP1 (3.2)	CX3CL1 (2.7)	C1QTNF4 (2.7)	GNAO1 (2.7)	NEUROD2 (2.2)
FHOD1 (2.7)	VEGFA (2.5)	BCL7B (2.4)	UBE2L3 (2.4)	CPNE2 (2.2)
GPAM (2.4)	MVK (2.1)	G6PC3 (2.0)	NEUROD2 (2.0)	ENSG00000181123 (1
CENPT (4.6)	FEN1 (3.3)	MPHOSPH9 (2.6)	CCDC18 (2.5)	TMEM175 (2.1)
TBL2 (2.8)	CELSR2 (2.5)	DNAH10 (2.0)	LILRA3 (1.9)	STRC (1.9)
MT1X (2.2)	MT1F (2.2)	NUTF2 (2.0)	MT1G (2.0)	MT1E (2.0)
MAP1A (1.9)	SLC9A5 (1.9)	MT1M (1.8)	PIGV (1.8)	STRC (1.7)
JMJD1C (2.3)	MT1M (2.3)	KANK2 (2.0)	KCTD10 (2.0)	HDAC5 (1.9)
HARBI1 (2.1)	TBKBP1 (2.1)	TECTB (2.1)	SLC39A13 (2.0)	PXK (2.0)
CCL17 (3.0)	ZNF614 (2.9)	NLRC5 (2.4)	XKR8 (2.2)	LILRA3 (2.1)
CDK12 (3.3)	EDC4 (3.0)	KBTBD4 (3.0)	MIEN1 (2.6)	MTF2 (2.5)
BCAM (2.8)	KIAA0754 (2.4)	FZD9 (2.3)	ELMO3 (2.1)	BBS2 (2.1)
ZNF614 (2.5)	ZDHHC18 (2.4)	CCL22 (2.3)	CCL17 (2.3)	SIK3 (2.2)
OGFOD1 (2.6)	CES4A (2.2)	SNORD58C (2.1)	ZNF259 (2.1)	TOMM40 (2.0)
FZD9 (2.3)	ENSG00000254235 (2	MAFF (1.9)	CSGALNACT1 (1.8)	KCTD6 (1.7)
SOST (2.7)	ST3GAL4 (2.6)	FRMD5 (2.5)	ABCA8 (2.2)	MAP1A (2.1)
PGS1 (2.1)	ZNF664 (1.9)	OR4A21P (1.9)	CPNE2 (1.9)	PPIP5K1 (1.9)
CELF1 (2.6)	ENSG00000223745 (2	PYY (2.4)	EPB42 (2.4)	ACAA2 (2.2)
EIF3J (2.9)	SLC7A6OS (2.9)	DDX28 (2.8)	GPN2 (2.8)	DUS2L (2.6)
DYM (3.5)	ACAA2 (3.1)	MTCH2 (2.9)	CIAPIN1 (2.8)	ADAL (2.2)
KCTD6 (2.6)	DNAH10 (2.6)	RSPO3 (2.4)	LRP4 (2.2)	KLF14 (2.0)
ENSG00000226645 (2	BACE1 (2.0)	SLC12A4 (1.9)	PSKH1 (1.9)	KCTD6 (1.8)
ENSG00000226645 (2	BACE1 (2.0)	SLC12A4 (1.9)	PSKH1 (1.9)	KCTD6 (1.8)
MT1E (3.6)	PDE3A (3.6)	MT1G (3.5)	PACSIN3 (3.4)	MT1X (3.3)
TOMM40 (2.6)	SIK3 (2.5)	CENPT (2.4)	PCIF1 (2.3)	BCL7B (2.3)
CCDC116 (3.0)	REEP3 (2.8)	CD300LG (2.6)	DOCK6 (2.6)	GALNT2 (2.4)
BACE1 (2.5)	ARHGAP1 (2.2)	ARFGAP2 (2.2)	E2F4 (2.2)	MON1A (2.1)
C12orf65 (2.1)	ZSCAN29 (2.1)	SNX13 (2.1)	SETD8 (2.1)	TTBK2 (2.1)
TP53BP1 (3.2)	TNKS (3.0)	CENPT (2.8)	DEPDC1 (2.8)	SKA1 (2.5)
PDIA3 (2.6)	COQ9 (2.2)	BAZ1B (2.2)	FRMD5 (2.1)	NPEPPS (2.0)
YDJC (2.8)	TOMM40 (2.8)	MON1A (2.7)	NUP93 (2.6)	SLC7A6OS (2.3)
B3GNT9 (3.0)	SDF2L1 (2.9)	ENSG00000229043 (2	ENSG00000247445 (2	TBL2 (2.6)
TNKS (2.3)	KLHL8 (2.2)	PLA2G6 (2.1)	INTS10 (2.1)	CASC4 (1.9)
MON1A (2.7)	TOMM40 (2.5)	PLA2G6 (2.4)	SETD8 (2.3)	C16orf86 (2.2)
CELF1 (3.0)	SETD8 (2.8)	FNBP4 (2.8)	THAP11 (2.8)	ZNF613 (2.7)
GPN2 (2.6)	AFF1 (2.5)	KCTD6 (2.4)	NRBF2 (2.4)	SNORD58C (2.4)
CTRL (2.5)	AGBL2 (2.4)	OR4A1P (2.3)	HCAR1 (2.3)	ENSG00000181296 (2
KCTD10 (2.5)	PTPRJ (2.4)	NFATC3 (2.3)	KLF14 (2.3)	NUTF2 (2.2)
ZFAND2A (4.1)	TMEM208 (3.9)	NDUFS3 (3.1)	NUTF2 (2.8)	NUP93 (2.7)
ZFAND2A (4.1)	TMEM208 (3.9)	NDUFS3 (3.1)	NUTF2 (2.8)	NUP93 (2.7)
SDF2L1 (3.4)	ZNF613 (3.3)	PDIA3 (3.3)	CPS1 (3.2)	PPY (2.9)
KCTD19 (1.9)	ENSG00000223745 (1	HNF1A (1.8)	SCARB1 (1.7)	EXOC3L1 (1.7)
ZNF408 (2.9)	RBM6 (2.7)	GPN2 (2.7)	EIF3J (2.7)	C12orf43 (2.6)
PCIF1 (3.7)	BAZ1B (3.0)	THAP11 (2.9)	PGAP3 (2.9)	ZNF335 (2.7)
SLC7A6 (2.6)	CIAPIN1 (2.5)	SDF2L1 (2.4)	INTS10 (2.3)	CLPTM1 (2.2)

KLHL8 (2.7)	RNF214 (2.7)	PAFAH1B2 (2.4)	ATG13 (2.4)	BUD13 (2.3)
ENSG00000229043 (2	HCAR1 (2.2)	OR5I1 (1.8)	TBKBP1 (1.8)	ENSG00000226645 (1
PLTP (2.4)	DPEP3 (2.4)	PLEKHG4 (2.2)	SCARB1 (2.0)	NRBF2 (2.0)
C11orf9 (2.9)	MPP3 (2.6)	BACE1 (2.6)	NEUROD2 (2.6)	TGM5 (2.4)
CLPTM1 (2.3)	PDHB (2.3)	PVRL2 (2.2)	ZNF613 (2.1)	TOMM40 (2.0)
E2F4 (3.0)	ZNF335 (2.9)	SPI1 (2.8)	CLPTM1 (2.8)	CELF1 (2.6)
SKA1 (2.6)	FEN1 (2.3)	ZNF614 (2.3)	MPHOSPH9 (2.3)	PSKH1 (2.3)
IGF2R (2.5)	SLC7A6 (2.4)	MTF2 (2.4)	ZDHHC18 (2.3)	AFF1 (2.2)
SLC9A5 (2.2)	BMP8A (2.2)	OR5I1 (2.2)	EXOC3L1 (1.9)	ENSG00000182109 (1
MTF2 (2.6)	TGM7 (2.6)	LRRC29 (2.3)	DR1 (2.3)	NUP160 (2.2)
MST1R (2.3)	C1orf172 (2.2)	C11orf9 (2.2)	TRNP1 (2.2)	PARD6A (2.2)
MT1M (2.6)	MT1F (2.5)	MT1E (2.4)	GLUL (2.2)	TMEM62 (2.2)
SIK3 (2.3)	CKAP5 (2.2)	PGS1 (2.2)	PVRL2 (2.2)	SKA1 (2.1)
KIAA0754 (2.2)	PNMT (2.1)	HCAR1 (2.1)	FRMD5 (2.1)	TMED5 (2.1)
PDHB (3.0)	HARBI1 (3.0)	COQ9 (2.8)	RBPJ (2.7)	MTCH2 (2.7)
ZFAND2A (2.7)	TMED5 (2.7)	MON1A (2.3)	CATSPER2 (2.3)	MT1H (2.2)
SLC7A6OS (3.7)	BUD13 (3.3)	INTS10 (3.2)	NCOA5 (3.1)	MFAP1 (2.8)
SNX10 (2.3)	OR5J2 (2.2)	DNAH10 (1.8)	C16orf86 (1.8)	CCDC92 (1.8)
SBNO1 (2.5)	HCAR1 (2.4)	NFATC3 (2.3)	TP53BP1 (2.3)	MACF1 (2.2)
PTPRZ1 (2.3)	ESRP2 (2.2)	BCAM (2.1)	ELMO3 (2.1)	TGM7 (1.9)
PTPRZ1 (2.3)	ESRP2 (2.2)	BCAM (2.1)	ELMO3 (2.1)	TGM7 (1.9)
FZD9 (2.3)	ERBB2 (2.1)	PVRL2 (1.9)	LRP4 (1.7)	C12orf65 (1.6)
PCSK7 (3.3)	RSPRY1 (3.2)	C11orf49 (3.1)	HARBI1 (2.9)	TBL2 (2.8)
MPP2 (3.1)	CX3CL1 (3.0)	RELB (2.7)	MPP3 (2.7)	MYO5B (2.7)
SPI1 (4.1)	CETP (3.2)	DUS2L (3.0)	RLTPR (2.5)	LILRB2 (2.3)
COQ9 (3.6)	FRMD5 (3.0)	NDUFS3 (2.1)	NOL3 (1.9)	DPEP2 (1.7)
CCDC11 (2.6)	CCL22 (2.5)	ZDHHC18 (2.4)	TSNAXIP1 (2.4)	CD40 (2.2)
LIPG (2.7)	TAGLN (2.6)	CYP26A1 (2.4)	PVRL2 (2.2)	LRP4 (2.1)
CATSPER2 (2.2)	KBTBD4 (2.2)	C11orf9 (2.0)	MTCH2 (2.0)	STRC (1.9)
SLC22A1 (3.3)	ZSCAN29 (3.1)	TECTB (3.0)	LPA (2.9)	LCAT (2.8)
POLR2C (2.8)	ACD (2.7)	C18orf32 (2.5)	SLC7A6OS (2.4)	THAP11 (2.3)
BAZ1B (2.7)	DDX28 (2.6)	COX19 (2.4)	MBD1 (2.4)	EYA3 (2.3)
CENPT (3.2)	CKAP5 (3.1)	WDR76 (2.8)	MED1 (2.6)	KPNB1 (2.6)
ATG13 (3.0)	RSPRY1 (3.0)	SDF2L1 (2.8)	C18orf32 (2.7)	NRBF2 (2.7)
NUP93 (3.3)	MTF2 (3.2)	DDB2 (3.0)	CENPT (3.0)	NUP160 (2.9)
OR5L2 (2.7)	TSNAXIP1 (2.7)	DNAH10 (2.5)	C7orf50 (2.4)	LILRB2 (2.2)
FADS1 (3.2)	MMAB (3.2)	TMEM208 (3.2)	TMED5 (3.1)	MVK (3.1)
PTPRJ (2.7)	NR1H3 (2.3)	NLRC5 (2.2)	SNX10 (2.1)	ZDHHC18 (1.7)
MT1H (3.0)	RBM6 (2.9)	PNMT (2.4)	MT1X (2.2)	SBNO1 (2.1)
MYO1H (2.4)	ADAL (2.3)	REEP3 (2.1)	ZNF614 (2.1)	PTPMT1 (2.1)
ZSCAN29 (2.9)	GALNT2 (2.9)	ENSG00000179523 (2	CASC4 (2.6)	ENSG00000247445 (2
VEGFA (2.3)	C11orf49 (2.3)	BACE1 (2.3)	MPP2 (2.2)	DCPS (2.2)
RAB11B (2.9)	CXXC1 (2.8)	MON1A (2.7)	ACD (2.6)	CCDC11 (2.6)
CATSPER2 (2.7)	PLA2G6 (2.5)	MACF1 (2.2)	DGKG (2.1)	SLC39A13 (2.0)
DUS2L (3.0)	C7orf50 (2.8)	C12orf43 (2.8)	EIF3J (2.6)	DDX28 (2.5)
PVRL2 (1.9)	BMP8A (1.8)	ENSG00000254235 (1	NOL3 (1.8)	COX19 (1.8)
PTPRZ1 (2.1)	BAZ1B (2.0)	PACSIN3 (2.0)	TCAP (1.9)	SLC9A5 (1.8)
TBL2 (3.8)	TMEM101 (3.1)	TMED5 (2.8)	HERPUD1 (2.5)	SIDT2 (2.3)
LILRA3 (2.7)	XKR8 (2.1)	CCDC11 (2.1)	ENSG00000247445 (2	KIAA0754 (1.9)
EXOC3L1 (2.7)	AFF1 (2.6)	CCDC11 (2.3)	E2F4 (2.1)	KLF14 (2.1)

GNAO1 (2.2)	APOA5 (2.2)	NAGS (2.0)	TRPS1 (1.9)	C17orf105 (1.9)
ZNF615 (2.3)	PSKH1 (2.2)	DPEP2 (2.0)	ENSG00000181296 (2	ENSG00000247445 (1
RBM6 (3.1)	RBM5 (3.0)	SNORD58C (2.9)	CELF1 (2.8)	NCOA5 (2.6)
RBM6 (3.1)	RBM5 (3.0)	SNORD58C (2.9)	CELF1 (2.8)	NCOA5 (2.6)
RBM6 (3.1)	RBM5 (3.0)	SNORD58C (2.9)	CELF1 (2.8)	NCOA5 (2.6)
LIPG (2.7)	LILRB2 (2.6)	LILRA3 (2.4)	SPI1 (2.3)	PXK (2.2)
SLC7A6OS (3.1)	DDX28 (2.9)	GPN2 (2.8)	EIF3J (2.7)	YDJC (2.7)
NUP160 (2.5)	FEN1 (2.5)	NUDT21 (2.4)	MTF2 (2.3)	DDB2 (2.3)
MPP3 (2.5)	KIAA0754 (2.4)	ENSG00000181296 (2	NEUROD2 (2.2)	CYP26A1 (2.0)
PDIA3 (2.5)	KPNB1 (2.4)	MED1 (2.3)	SNORD58C (2.3)	POLR2C (2.1)
TMEM208 (2.6)	PCSK7 (2.6)	CCNDBP1 (2.5)	COX19 (2.5)	PAFAH1B2 (2.4)
BAZ1B (2.5)	IGF2R (2.4)	MTMR3 (2.3)	ZNF335 (2.2)	MTF2 (2.2)
MLXIPL (3.3)	C16orf86 (2.5)	PTPMT1 (2.4)	MTCH2 (2.2)	MT1H (2.2)
SPRYD5 (2.1)	PAFAH1B2 (2.0)	SLC7A6 (2.0)	ERBB2 (1.9)	CYP26A1 (1.8)
PDIA3 (2.4)	LILRA3 (2.3)	MTCH2 (2.1)	NPEPPS (2.1)	CPNE2 (2.1)
LILRB2 (3.1)	SPI1 (2.7)	LILRA3 (2.2)	PGS1 (2.1)	PSMB10 (2.0)
PTPMT1 (3.0)	PDHB (3.0)	MTCH2 (3.0)	YDJC (2.7)	PAFAH1B2 (2.6)
NUP160 (3.0)	FEN1 (2.9)	TUBGCP4 (2.7)	UVRAG (2.6)	AFF1 (2.6)
TAGLN (2.7)	HDAC5 (2.5)	TRPS1 (2.3)	PYY (2.2)	PDE3A (2.0)
CMIP (2.3)	PGS1 (2.3)	EPB42 (2.2)	SNX10 (2.1)	AFF1 (2.1)
HNF1A (2.4)	REEP3 (2.3)	C1orf172 (2.3)	ATG13 (2.3)	NDUFS3 (2.2)
NUP160 (2.7)	C12orf43 (2.6)	LCMT2 (2.5)	MFAP1 (2.5)	KPNB1 (2.4)
C1QTNF4 (2.7)	DGKG (2.4)	MYO5B (2.3)	GNAO1 (2.2)	ABCB9 (2.1)
NR1H3 (2.3)	PLA2G15 (2.2)	RLTPR (2.2)	ZDHHC18 (2.1)	ADAL (2.1)
MTMR3 (2.3)	KLHL8 (2.3)	UVRAG (2.2)	RNF214 (2.2)	PCSK7 (2.1)
C16orf70 (3.1)	CCNDBP1 (3.0)	ARFGAP2 (2.8)	ZFAND2A (2.7)	EIF3J (2.6)
ENSG00000226645 (2	C1orf172 (2.1)	CD300LG (2.0)	GPIHBP1 (2.0)	RNF214 (1.9)
C12orf43 (3.1)	EIF3J (3.1)	OGFOD1 (2.6)	TOMM40 (2.6)	NUP160 (2.5)
C11orf49 (2.5)	PCSK7 (2.5)	ACAA2 (1.9)	KCTD10 (1.9)	MACF1 (1.9)
BCL3 (2.6)	CCL17 (2.5)	PCSK7 (2.3)	PSMB10 (2.2)	RELB (2.2)
KPNB1 (2.6)	FNBP4 (2.2)	NUTF2 (2.2)	RBM6 (2.2)	MED1 (2.1)
KCTD10 (3.8)	KIAA0754 (3.2)	MACF1 (2.8)	TRNP1 (2.7)	PVRL2 (2.4)
PTPMT1 (3.9)	CIAPIN1 (3.0)	MTCH2 (2.6)	TMEM208 (2.4)	YDJC (2.3)
ACD (3.8)	POLR2C (3.7)	FAM192A (3.7)	CENPT (3.6)	NUTF2 (3.5)
GRB7 (2.6)	RAPSN (2.4)	SLC12A4 (2.4)	CBFB (2.4)	PTPRZ1 (2.2)
ACD (2.5)	FAM192A (2.4)	RAB11B (2.4)	CCDC92 (2.3)	TTBK2 (2.1)
ACD (2.5)	FAM192A (2.4)	RAB11B (2.4)	CCDC92 (2.3)	TTBK2 (2.1)
ELMO3 (2.6)	RSPO3 (2.5)	KCTD6 (2.4)	MST1R (2.3)	CCDC116 (2.3)
CYP26A1 (2.2)	LPL (2.1)	BACE1 (2.0)	PDE3A (1.9)	PLTP (1.9)
PARD6A (3.9)	NFATC3 (3.8)	RSPRY1 (3.8)	SLC7A6OS (3.7)	OGFOD1 (3.6)
GPIHBP1 (2.8)	TCAP (2.7)	DOCK6 (2.5)	PLA2G15 (2.3)	DOK4 (2.3)
ST3GAL4 (2.4)	CCDC92 (2.4)	ATG13 (2.3)	RLTPR (2.2)	EYA3 (2.2)
DOK4 (2.9)	PVRL2 (2.5)	SETD8 (2.5)	UBE2L3 (2.3)	CCDC92 (2.2)
OR5I1 (2.0)	LCMT2 (1.8)	OR4A1P (1.8)	MBD1 (1.8)	EPB42 (1.7)
TRNP1 (2.5)	MT1M (2.4)	OASL (2.3)	ENSG00000181296 (2	MT1F (2.1)
BCAM (2.6)	PVRL2 (2.6)	KANK2 (2.5)	LRP4 (2.5)	OR5J2 (2.3)
BUD13 (3.9)	CXXC1 (3.8)	MTF2 (3.8)	MED1 (3.5)	MFAP1 (3.4)
CENPT (3.8)	MPHOSPH9 (3.6)	C16orf48 (3.5)	DEPDC1 (3.4)	RBM6 (2.8)
CENPT (3.8)	MPHOSPH9 (3.6)	C16orf48 (3.5)	DEPDC1 (3.4)	RBM6 (2.8)
SFN (2.5)	RBPJ (2.5)	ELMO3 (2.2)	ENSG00000255507 (2	KIAA0895L (2.1)

CYP26A1 (2.9)	PPP1R1B (2.7)	PTPRZ1 (2.6)	LRP4 (2.6)	CCDC11 (2.4)
MVK (3.2)	SOST (3.2)	CYP26A1 (3.0)	FADS2 (3.0)	PTPRZ1 (2.8)
TMEM101 (3.1)	GALNT2 (3.1)	SDF2L1 (3.1)	PDIA3 (3.0)	PIGV (2.8)
DDX28 (2.7)	ENSG00000223745 (2	YDJC (2.4)	DUS2L (2.2)	C7orf50 (2.1)
GRB7 (2.4)	ZNF408 (2.2)	C11orf9 (2.1)	CYP2W1 (2.1)	ENSG00000256746 (2
PDE3A (2.3)	ABCA8 (2.3)	KCTD6 (2.2)	ENSG00000254235 (2	ERBB2 (2.1)
MPHOSPH9 (1.9)	KCTD6 (1.7)	PYY (1.7)	CYP2W1 (1.6)	TSNAXIP1 (1.6)
DCPS (2.6)	LSM12 (2.5)	KIAA0895L (2.4)	CD40 (2.3)	ACD (2.2)
LILRA3 (2.7)	XKR8 (2.2)	ZNF614 (2.0)	KIAA0754 (1.9)	TTC39B (1.9)
POLR2C (2.5)	AMFR (2.4)	RSPO3 (2.3)	JMJD1C (2.1)	SETD8 (2.0)
FADS2 (2.9)	SEC14L4 (2.5)	ESRP2 (2.4)	LILRA3 (2.4)	RANBP10 (2.3)
SLC7A6OS (3.0)	PRMT7 (2.9)	CXXC1 (2.5)	GPN2 (2.3)	EIF3J (2.3)
APOE (2.4)	SPI1 (2.3)	ARHGAP1 (2.0)	CCDC92 (1.9)	APOC1 (1.9)
SOST (2.3)	C17orf57 (2.3)	MT1E (2.1)	CYP26A1 (2.0)	CD36 (1.9)
CCL22 (2.6)	TTC39B (2.6)	NLRC5 (2.5)	CD40 (2.3)	DUS2L (2.3)
CCL22 (2.6)	TTC39B (2.6)	NLRC5 (2.5)	CD40 (2.3)	DUS2L (2.3)
SBNO1 (2.4)	UBR1 (2.3)	TP53BP1 (2.3)	MACF1 (2.1)	HERPUD1 (2.0)
MTMR3 (2.5)	ZNF664 (2.5)	RAB11B (2.5)	CYP2W1 (2.5)	TTBK2 (2.4)
C12orf43 (2.8)	SETD8 (2.6)	SNX13 (2.5)	ZNF335 (2.4)	HSF4 (2.4)
ERBB2 (2.9)	TRPS1 (2.6)	MACF1 (2.5)	RSPO3 (2.4)	SOST (2.3)
MTCH2 (3.8)	C18orf32 (3.4)	CIAPIN1 (3.0)	TMEM208 (2.9)	PPIP5K1 (2.6)
PSMB10 (3.0)	NCOA5 (3.0)	BCL3 (2.6)	RBM5 (2.5)	CD40 (2.2)
ZFAND2A (4.0)	MTCH2 (4.0)	POLR2C (3.5)	NUTF2 (3.2)	MIEN1 (3.1)
INTS10 (3.2)	UBR1 (3.0)	NUP93 (3.0)	CTDSPL2 (3.0)	PRMT7 (2.8)
PCIF1 (2.9)	SETD8 (2.8)	NCOA5 (2.6)	OR4A1P (2.5)	BAZ1B (2.4)
GALNT2 (2.4)	CD40 (2.0)	ZNF408 (1.9)	TTBK2 (1.8)	ZSCAN29 (1.7)
ZFAND2A (3.0)	HARBI1 (2.8)	FNBP4 (2.2)	ZDHHC18 (2.2)	CES4A (2.1)
NPEPPS (2.7)	UBE3B (2.6)	KIAA0754 (2.6)	CELF1 (2.5)	SNORD58C (2.4)
SNORD58C (2.8)	ZNF408 (2.7)	RBM6 (2.7)	C12orf43 (2.3)	ZNF335 (2.3)
C11orf9 (2.7)	TGM7 (2.6)	LCAT (2.4)	CBFB (2.3)	CCDC11 (2.3)
SLC9A5 (2.7)	DPEP2 (2.5)	DGKG (2.4)	TCAP (2.1)	MAP1A (2.1)
PCIF1 (3.8)	THAP11 (3.1)	BAZ1B (3.0)	PGAP3 (2.8)	KBTBD4 (2.7)
SDF2L1 (2.9)	PRMT7 (2.9)	C7orf50 (2.4)	DDX28 (2.4)	YDJC (2.3)
ENSG00000226334 (1	TTBK2 (1.7)	DPEP3 (1.6)	PGS1 (1.5)	MT1X (1.4)
OGFOD1 (3.0)	DCPS (2.9)	PLEKHG4 (2.6)	PTPMT1 (2.5)	GFOD2 (2.5)
ARHGAP1 (2.3)	TNKS (2.2)	MACF1 (2.2)	TRNP1 (2.2)	MTMR3 (2.1)
TMEM101 (3.0)	PCSK7 (3.0)	PDIA3 (2.9)	B3GNT9 (2.9)	PIGV (2.8)
APOA5 (2.6)	DGKG (2.3)	BBS2 (2.3)	GNAO1 (2.3)	PLG (2.1)
FZD9 (2.3)	C12orf65 (2.3)	ENSG00000247867 (2	DNAH10 (1.8)	SPRYD5 (1.8)
GRB7 (2.2)	ENSG00000254235 (2	KIAA0895L (2.1)	RSPO3 (2.0)	CYP26A1 (1.9)
MPHOSPH9 (2.6)	OASL (2.2)	MTF2 (2.1)	C12orf43 (2.1)	CATSPER2 (2.1)
ENSG00000256746 (2	TBKBP1 (2.0)	MAFF (1.9)	SOST (1.9)	YDJC (1.8)
EXOC3L1 (2.2)	EIF3J (2.2)	PSMC3 (2.1)	ZNF335 (2.1)	E2F4 (2.1)
TNKS (2.6)	MPHOSPH9 (2.6)	CCDC18 (2.4)	TP53BP1 (2.4)	MAFF (2.4)
C11orf9 (3.2)	PTPRZ1 (2.6)	MACF1 (2.4)	ARHGAP1 (2.4)	MYO5B (2.4)
CENPT (4.0)	DEPDC1 (3.6)	MPHOSPH9 (3.6)	C16orf48 (3.3)	TP53BP1 (3.1)
CENPT (4.0)	DEPDC1 (3.6)	MPHOSPH9 (3.6)	C16orf48 (3.3)	TP53BP1 (3.1)
PTPRZ1 (2.4)	KANK2 (2.4)	SETD8 (2.2)	HDAC5 (2.2)	PGS1 (2.1)
CXXC1 (3.2)	NUDT21 (3.0)	NUP93 (3.0)	ACD (2.6)	NUP160 (2.5)
ZFAND2A (4.0)	TMEM208 (4.0)	NDUFS3 (3.2)	NUP93 (2.9)	CIAPIN1 (2.8)

MACF1 (2.9)	MED1 (2.7)	PACSIN3 (2.7)	PDE3A (2.5)	DDB2 (2.4)
TECTB (2.4)	BACE1 (2.3)	APOE (2.3)	PPP1R1B (2.2)	CCDC92 (2.1)
PCIF1 (2.8)	CELF1 (2.6)	TRIB1 (2.6)	AMBRA1 (2.5)	CELSR2 (2.5)
MPP2 (3.0)	C1QTNF4 (2.9)	MAP1A (2.8)	GNAO1 (2.8)	MPP3 (2.5)
NUDT21 (2.8)	ENSG00000223745 (2	FNBP4 (2.4)	ACD (2.4)	NLRC5 (2.2)
ETV5 (2.0)	SLC12A3 (2.0)	TMEM101 (2.0)	AFF1 (2.0)	RSPO3 (1.9)
C12orf65 (2.0)	TAGLN (1.9)	PPP1R1B (1.8)	DDX28 (1.7)	MT1E (1.6)
NCOA5 (2.7)	LSM12 (2.7)	E2F4 (2.6)	DR1 (2.6)	SBNO1 (2.5)
RAB11B (2.7)	BCL3 (2.7)	OASL (2.7)	CXXC1 (2.6)	ZNF350 (2.5)
CENPT (3.9)	FEN1 (3.3)	CCDC18 (3.1)	MPHOSPH9 (2.9)	TMEM175 (2.8)
FADS1 (5.9)	CES4A (4.7)	LIPG (4.1)	GFOD2 (2.3)	ENSG00000179523 (2
CIAPIN1 (3.0)	MTCH2 (2.6)	TMEM208 (2.5)	PTPMT1 (2.5)	FAM192A (2.0)
CIAPIN1 (3.0)	MTCH2 (2.6)	TMEM208 (2.5)	PTPMT1 (2.5)	FAM192A (2.0)
SKA1 (3.6)	NUP93 (3.5)	KPNB1 (3.0)	DDB2 (2.8)	DEPDC1 (2.8)
CYP26A1 (2.9)	STRC (2.6)	CCDC11 (2.3)	OR4A1P (2.3)	TGM5 (2.3)
CD300LG (2.8)	TECTB (2.7)	TCAP (2.6)	HDAC5 (2.5)	NOL3 (2.4)
TNKS (2.8)	PDIA3 (2.6)	TBL2 (2.5)	ACP2 (2.4)	ENSG00000226645 (2
CKAP5 (4.1)	MPHOSPH9 (3.2)	FEN1 (3.0)	CCDC18 (2.8)	PCSK7 (2.1)
RSPO3 (3.0)	B3GNT9 (2.3)	SOST (2.0)	C1QTNF4 (1.9)	SMPD3 (1.8)
MADD (2.9)	MAP1A (2.7)	MPP2 (2.7)	TRNP1 (2.7)	UBE3B (2.7)
HDAC5 (2.5)	SIK3 (2.5)	FHOD1 (2.5)	ZNF335 (2.3)	PITPNM2 (2.3)
ZFAND2A (4.4)	TMEM208 (4.2)	POLR2C (3.2)	NOL3 (3.1)	NDUFS3 (3.0)
SETD8 (2.9)	FBXL20 (2.9)	LSM12 (2.8)	PCIF1 (2.8)	RNF214 (2.8)
KANK2 (2.9)	MAP1A (2.6)	GPAM (2.3)	MLXIPL (2.2)	ABCA8 (2.1)
ENSG00000256746 (2	KCTD19 (2.5)	OR4A21P (2.1)	PARD6A (2.1)	YDJC (1.9)
DNAH10 (3.1)	CCDC116 (2.4)	SDF2L1 (2.2)	CPNE2 (2.2)	YDJC (2.1)
DDX28 (2.8)	TMED5 (2.5)	TBL2 (2.5)	ZDHHC18 (2.5)	IGF2R (2.4)
RBPJ (2.3)	JMJD1C (2.1)	FBXL20 (2.1)	TP53BP1 (2.1)	PTPRZ1 (1.9)
CCDC116 (2.0)	SDF2L1 (2.0)	SLC7A6 (2.0)	HERPUD1 (1.9)	HNF1A (1.8)
C16orf70 (2.0)	MT1F (1.8)	CCDC116 (1.8)	PARD6A (1.7)	GPER (1.7)
TECTB (2.0)	MT1H (1.9)	SIK3 (1.9)	OASL (1.7)	SLC12A3 (1.6)
B3GNT9 (2.3)	NOL3 (2.0)	POLR2C (2.0)	EXOC3L1 (1.9)	PDE3A (1.8)
KCTD19 (2.4)	ENSG00000255507 (2	CETP (2.2)	C17orf105 (2.1)	ENSG00000181123 (2
BCL3 (3.6)	SPI1 (2.9)	ZDHHC18 (2.9)	MAFF (2.6)	RLTPR (2.4)
CMIP (2.3)	PVRL2 (2.3)	MACF1 (2.2)	NPEPPS (2.2)	ZFAND2A (2.2)
RSPRY1 (2.1)	PSKH1 (2.1)	KCTD6 (2.0)	EYA3 (2.0)	ENSG00000247867 (1
CYP26A1 (2.2)	ENSG00000226334 (2	EXOC3L1 (2.1)	ENSG00000181296 (2	GLUL (1.8)
GPER (2.0)	FZD9 (2.0)	TRPS1 (2.0)	CYP26A1 (1.9)	DNAH10 (1.9)
EDC4 (3.1)	CELF1 (3.0)	CXXC1 (2.8)	SETD8 (2.7)	RAB11B (2.5)
CCL22 (2.4)	NLRC5 (2.4)	CCL17 (2.2)	BMP8A (2.0)	PCSK7 (2.0)
BCL3 (3.5)	CD40 (3.2)	PGS1 (2.9)	ZDHHC18 (2.6)	TRADD (2.5)
TECTB (3.2)	MON1A (3.0)	C1QTNF4 (2.8)	SMPD3 (2.4)	ENSG00000255507 (2
RSPO3 (2.3)	SLC12A4 (2.3)	ENSG00000226645 (2	CCDC11 (2.3)	DOK4 (2.2)
MTCH2 (3.8)	TMEM208 (3.7)	NUP93 (3.5)	FEN1 (3.2)	NDUFS3 (3.1)
CIAPIN1 (3.5)	PTPMT1 (3.5)	ACAA2 (2.7)	MTCH2 (2.6)	TOMM40 (2.4)
CIAPIN1 (3.5)	PTPMT1 (3.5)	ACAA2 (2.7)	MTCH2 (2.6)	TOMM40 (2.4)
CYP26A1 (2.8)	SOST (2.7)	LRP4 (2.4)	SLC9A5 (2.2)	BACE1 (2.1)
ENSG00000247445 (3	TMEM101 (2.5)	SLC39A13 (2.5)	B3GNT9 (2.5)	PDIA3 (2.4)
EXOC3L1 (2.9)	AFF1 (2.7)	SETD8 (2.3)	CCDC11 (2.1)	MBD1 (2.0)
ACP2 (3.0)	E2F4 (2.9)	ARHGAP1 (2.9)	RANBP10 (2.9)	NLRC5 (2.9)

PSMC3 (2.6)	TOMM40 (2.5)	MACF1 (2.4)	SBNO1 (2.2)	UBE2L3 (2.1)
CPS1 (2.9)	HNF4A (2.9)	PYY (2.8)	PDE3A (2.2)	APOC3 (2.1)
TOMM40 (3.2)	KPNB1 (3.2)	UBE2L3 (3.2)	NUDT21 (2.9)	NUTF2 (2.8)
ETV5 (2.2)	FADS2 (2.2)	NUTF2 (2.2)	PLG (2.2)	FADS1 (2.2)
UBE3B (2.1)	DYM (2.0)	C12orf43 (2.0)	PSMC3 (2.0)	KCTD10 (1.9)
ETV5 (3.0)	LRP4 (2.2)	TECTB (1.9)	GPER (1.8)	APOC4 (1.7)
MTCH2 (4.1)	TMEM208 (3.9)	NDUFS3 (3.1)	NUTF2 (2.8)	NUP93 (2.7)
SETD8 (2.7)	SLC39A13 (2.5)	ENSG00000226334 (2	KCTD10 (2.3)	AMFR (2.2)
FAM192A (3.1)	NDUFS3 (2.9)	ARFGAP2 (2.9)	UBE2L3 (2.7)	NUTF2 (2.6)
CYP2W1 (2.3)	FRMD5 (2.3)	ABCA8 (2.3)	ST3GAL4 (2.1)	OR5L2 (2.0)
B3GNT9 (2.2)	TAGLN (2.1)	KCTD6 (2.0)	KLHL8 (1.9)	PLA2G15 (1.9)
EIF3J (2.8)	PDHB (2.3)	SNORD58C (2.2)	OGFOD1 (2.0)	TBL2 (2.0)
MPP2 (2.6)	TMEM208 (2.6)	ATG13 (2.6)	HERPUD1 (2.6)	B3GNT9 (2.4)
PRMT7 (2.8)	DDX28 (2.7)	DUS2L (2.6)	YDJC (2.5)	SLC7A6OS (2.4)
TTC39B (2.5)	BACE1 (2.4)	GPER (2.4)	PPIP5K1 (2.2)	PCSK7 (2.2)
PLA2G6 (2.5)	OR4A1P (2.3)	ENSG00000247445 (2	RLTPR (2.1)	ADAL (2.1)
PAFAH1B2 (3.2)	TP53BP1 (3.0)	TMEM62 (2.9)	UBR1 (2.9)	EIF3J (2.6)
LCMT2 (2.6)	C7orf50 (2.5)	EIF3J (2.4)	PRMT7 (2.4)	DUS2L (2.4)
PSMC3 (3.2)	HERPUD1 (3.1)	COX19 (2.8)	HARBI1 (2.7)	ZNF408 (2.7)
PDIA3 (2.8)	TMED5 (2.8)	ENSG00000247445 (2	TBL2 (2.4)	REEP3 (2.3)
OR4A21P (2.3)	XKR8 (2.2)	SNX10 (2.0)	SEC14L4 (1.9)	EPB42 (1.8)
ZNF259 (3.4)	OGFOD1 (3.1)	SPG11 (3.0)	PDHB (3.0)	DDX28 (2.9)
ZNF259 (3.4)	OGFOD1 (3.1)	SPG11 (3.0)	PDHB (3.0)	DDX28 (2.9)
ZNF259 (3.4)	OGFOD1 (3.1)	SPG11 (3.0)	PDHB (3.0)	DDX28 (2.9)
NDUFS3 (2.7)	MADD (2.6)	SLC12A3 (2.5)	MIEN1 (2.3)	CCNDBP1 (2.2)
FZD9 (3.4)	DYM (2.8)	MADD (2.3)	OGFOD1 (2.2)	ACP2 (2.2)
SMPD3 (2.4)	PLTP (2.3)	TRPS1 (2.3)	OR4A21P (2.0)	LPA (1.9)
DDX28 (2.9)	SLC7A6OS (2.9)	C7orf50 (2.9)	YDJC (2.8)	GPN2 (2.7)
C7orf50 (2.8)	OGFOD1 (2.7)	PRMT7 (2.5)	DDX28 (2.5)	SNORD58C (2.4)
SIK3 (2.8)	SBNO1 (2.7)	DCPS (2.6)	CXXC1 (2.6)	OGFOD1 (2.5)
CCL22 (2.0)	CCDC116 (2.0)	DDB2 (1.9)	NLRC5 (1.9)	LILRB2 (1.8)
JMJD1C (2.4)	GPIHBP1 (2.1)	MYBPC3 (2.0)	ZNF664 (1.8)	TBKBP1 (1.8)
DCPS (2.6)	COQ9 (2.6)	ACD (2.5)	TMEM208 (2.3)	INTS10 (2.2)
DGKG (1.9)	FZD9 (1.9)	MTMR3 (1.8)	C17orf105 (1.7)	DCPS (1.7)
DUSP3 (2.3)	ZFAND2A (2.1)	SNORD58C (2.0)	APOE (1.9)	FHOD1 (1.8)
MADD (2.6)	CPNE2 (2.6)	PLEKHG4 (2.4)	UBE2L3 (2.4)	C11orf49 (2.4)
BCAM (2.9)	TAGLN (2.4)	CELSR2 (2.0)	SOST (2.0)	ELMO3 (2.0)
LCAT (2.5)	LRP4 (2.5)	PPP1R1B (2.4)	C1QTNF4 (2.1)	FZD9 (2.1)
MT1H (2.9)	MT1E (2.8)	MYO1H (2.6)	PPIP5K1 (2.3)	MPHOSPH9 (2.3)
DR1 (2.5)	BCL7B (2.3)	ETV5 (2.3)	ZNF614 (2.1)	TTBK2 (1.8)
EIF3J (3.2)	SLC7A6OS (2.8)	GPN2 (2.7)	C7orf50 (2.7)	DDX28 (2.7)
ABHD6 (3.2)	LIPG (3.1)	GNAO1 (2.5)	CETP (2.4)	ST3GAL4 (2.2)
NCOA5 (2.9)	MTMR3 (2.8)	AFF1 (2.6)	RBM5 (2.6)	PCIF1 (2.3)
PRMT7 (3.3)	TOMM40 (3.3)	GRB7 (2.8)	MED1 (2.8)	EIF3J (2.6)
SPI1 (2.1)	JMJD1C (2.0)	PTPRJ (1.9)	MACF1 (1.9)	KIAA0895L (1.9)
C1orf172 (2.6)	PTPRZ1 (2.3)	LRP4 (2.1)	MACF1 (2.0)	COBLL1 (2.0)
PSMB10 (2.2)	DCPS (2.1)	TMEM208 (2.1)	GPN2 (2.0)	PTPMT1 (2.0)
ESRP2 (4.2)	C1orf172 (4.1)	PVRL2 (3.8)	BCAM (3.5)	MST1R (3.1)
TBKBP1 (3.2)	SLC9A5 (3.1)	TUBGCP4 (2.7)	CETP (2.6)	DOCK6 (2.5)
POLR2C (4.3)	C16orf48 (4.3)	ACD (4.0)	PRMT7 (3.9)	FAM192A (3.6)

MLXIPL (2.3)	SCARB1 (2.2)	HNF1A (2.1)	EXOC3L1 (2.0)	LRP4 (1.9)
ZFAND2A (4.2)	TMEM208 (4.0)	NDUFS3 (3.2)	NUP93 (2.8)	CIAPIN1 (2.7)
CYP26A1 (2.0)	REEP3 (2.0)	CSGALNACT1 (1.9)	EXOC3L1 (1.9)	COBLL1 (1.8)
CTRL (3.3)	PRMT7 (3.3)	YDJC (2.9)	SNORD58C (2.8)	DUS2L (2.7)
DOCK6 (3.3)	RSPO3 (3.0)	FRMD5 (2.2)	MPP2 (2.1)	TMEM101 (2.1)
PDIA3 (2.8)	TMEM208 (2.7)	SDF2L1 (2.6)	B3GNT9 (2.4)	SLC39A13 (2.2)
PTPRJ (3.0)	GPER (2.4)	ST3GAL4 (2.4)	SLC9A5 (2.4)	CD300LG (2.3)
POLR2C (3.4)	FAM192A (3.2)	DDX28 (3.2)	NUDT21 (3.2)	TMEM208 (3.1)
ENSG00000236267 (2	ENSG00000255507 (2	LRRC29 (2.4)	GFOD2 (2.3)	DPEP2 (2.3)
ENSG00000254235 (2	SPRYD5 (2.4)	DYM (2.3)	KCTD6 (2.1)	CYP26A1 (2.0)
KLF14 (2.3)	TOMM40 (2.1)	PDHB (2.1)	CIAPIN1 (2.0)	STRC (1.9)
C17orf57 (3.8)	MST1R (3.7)	C1orf172 (3.4)	KIAA0754 (3.4)	SLC39A13 (2.9)
MTCH2 (2.6)	TOMM40 (2.2)	PPIP5K1 (2.2)	CIAPIN1 (2.1)	PGS1 (2.0)
HERPUD1 (2.8)	CKAP5 (2.6)	CD40 (2.6)	BCL3 (2.5)	PTPRJ (2.5)
TMEM62 (2.3)	PTPRJ (2.3)	NLRC5 (2.2)	LCMT2 (2.1)	PIGV (2.0)
SBNO1 (2.5)	TNKS (1.9)	CCDC11 (1.9)	FZD9 (1.6)	KLHL8 (1.6)
EXOC3L1 (2.5)	CELSR2 (2.4)	LRP4 (2.4)	PTPRZ1 (2.3)	HSF4 (2.2)
SNX10 (2.3)	CCNDBP1 (2.1)	NRBF2 (1.9)	ENSG00000254235 (1	C12orf65 (1.8)
ZNF614 (2.1)	SBNO1 (2.1)	PTPRJ (2.1)	CPNE2 (2.1)	ZNF664 (2.1)
RNF214 (2.5)	KANK2 (2.4)	RAB11B (2.2)	ETV5 (2.2)	ARHGAP1 (2.1)
BCAM (2.5)	NR0B2 (2.4)	TCAP (2.3)	ARHGAP1 (2.2)	TBKBP1 (2.1)
FNBP4 (2.5)	LIPG (2.3)	TOMM40 (2.2)	EIF3J (2.1)	COX19 (2.1)
FBXL20 (2.9)	MFAP1 (2.8)	MPHOSPH9 (2.8)	CXXC1 (2.7)	INTS10 (2.7)
CCDC92 (2.8)	BCL7B (2.8)	GNAO1 (2.3)	RLTPR (2.2)	MPP3 (2.2)
SOST (2.0)	ERBB2 (2.0)	BCAM (2.0)	MYO5B (2.0)	LIPG (1.9)
UBR1 (2.7)	TNKS (2.7)	ZNF613 (2.7)	MADD (2.5)	KCTD10 (2.5)
EIF3J (2.9)	C12orf43 (2.7)	YDJC (2.4)	PRMT7 (2.4)	ZNF408 (2.4)
THAP11 (5.1)	BBS2 (5.1)	TRADD (4.6)	C16orf48 (4.4)	POLR2C (4.3)
THAP11 (5.1)	BBS2 (5.1)	TRADD (4.6)	C16orf48 (4.4)	POLR2C (4.3)
FNBP4 (2.7)	RBM5 (2.6)	EYA3 (2.6)	MBD1 (2.4)	CXXC1 (2.4)
OR4A21P (2.2)	NAGS (2.1)	TMEM175 (2.0)	ENSG00000236267 (1	C16orf86 (1.9)
SIK3 (2.3)	TRADD (2.3)	SPRYD5 (2.3)	ZDHHC18 (2.1)	DDB2 (2.0)
HNF1A (2.8)	ENSG00000226334 (2	HNF4A (2.6)	C11orf9 (2.6)	CMIP (2.3)
PDIA3 (2.8)	SDF2L1 (2.7)	PDHB (2.2)	UBE2L3 (2.2)	PGS1 (2.1)
PLEKHG4 (2.3)	ST3GAL4 (2.2)	CCDC11 (2.2)	OR4A21P (2.1)	LRRC29 (2.0)
CBFB (2.4)	BAZ1B (2.1)	E2F4 (2.1)	PXK (2.0)	ETV5 (2.0)
CX3CL1 (1.9)	LRP4 (1.8)	RAPSN (1.8)	DUS2L (1.7)	CELSR2 (1.7)
MACF1 (2.1)	DPEP3 (2.1)	SLC12A4 (2.0)	LRP4 (2.0)	EXOC3L1 (2.0)
RAPSN (2.3)	ZNF615 (2.1)	ENSG00000226334 (2	KANK2 (1.9)	FZD9 (1.8)
PITPNM2 (2.4)	SMPD3 (2.3)	IGF2R (2.3)	OASL (2.2)	BCL3 (2.2)
PITPNM2 (2.9)	CSGALNACT1 (2.8)	ST3GAL4 (2.7)	PTPRJ (2.7)	SLC9A5 (2.5)
LILRA3 (2.6)	XKR8 (2.4)	PGS1 (2.3)	ENSG00000247445 (2	TRADD (1.9)
RAPSN (2.1)	MYO5B (1.9)	TGM7 (1.8)	AMFR (1.7)	OR4A21P (1.6)
CMIP (2.2)	MST1R (2.1)	VEGFA (2.0)	TTBK2 (2.0)	DOCK6 (1.9)
NAGS (2.1)	CATSPER2 (2.0)	ENSG00000247445 (2	TMEM62 (2.0)	ELMO3 (2.0)
SMPD3 (2.3)	OR4A21P (2.2)	DNAH10 (2.1)	PYY (2.1)	ETV5 (2.1)
HNF4A (3.2)	GRB7 (2.9)	HNF1A (2.6)	ESRP2 (2.2)	ST3GAL4 (2.1)
MPP2 (2.9)	MST1R (2.1)	KANK2 (2.0)	DOK4 (2.0)	ERBB2 (1.9)
CELSR2 (2.6)	DR1 (2.4)	CTDSPL2 (2.1)	SBNO1 (2.1)	NCOA5 (2.0)
NUP93 (3.6)	EIF3J (3.4)	KPNB1 (3.2)	CELF1 (3.2)	EDC4 (3.0)

ETV5 (2.9)	PPP1R1B (2.9)	VEGFA (2.6)	PTPRZ1 (2.4)	KCTD19 (2.4)
MADD (2.7)	RAB11B (2.6)	ARHGAP1 (2.6)	JMJD1C (2.6)	HNF4A (2.2)
OASL (2.2)	C17orf57 (2.2)	NLRC5 (1.9)	COX19 (1.9)	AGBL2 (1.9)
CLPTM1 (2.5)	PARD6A (2.5)	TMEM208 (2.4)	BBS2 (2.4)	KLHL8 (2.3)
PYY (2.3)	LRP4 (2.3)	KIAA0754 (2.3)	MAFF (2.3)	TGM7 (2.2)
ENSG00000179523 (2	ENSG00000229043 (2	ZNF615 (2.3)	CYP2W1 (2.3)	ZNF350 (2.3)
COBLL1 (2.2)	ENSG00000247867 (2	OGFOD1 (2.1)	HSF4 (2.1)	TMED5 (2.0)
GALNT2 (1.9)	ENSG00000226334 (1	GLUL (1.8)	MYO5B (1.8)	KIAA0754 (1.7)
C1orf172 (2.7)	PLEKHG4 (2.2)	CCDC11 (2.2)	ENSG00000226334 (1	MST1R (1.8)
HNF1A (2.4)	ENSG00000181296 (2	SCARB1 (1.9)	TAGLN (1.9)	CD36 (1.8)
CD36 (2.5)	LCMT2 (2.2)	PLA2G15 (2.1)	CD300LG (2.1)	SLC7A6OS (2.0)
CCL22 (2.5)	TTC39B (2.5)	LILRA3 (2.5)	DPEP3 (2.4)	TGM7 (2.3)
MTF2 (2.7)	CDK12 (2.5)	BCL7B (2.5)	TGM7 (2.4)	MED1 (2.4)
C1orf172 (3.1)	HNF4A (3.0)	PLG (2.8)	ELMO3 (2.5)	LIPG (2.2)
ZDHHC18 (2.4)	CCL22 (2.4)	RLTPR (2.3)	CYP2W1 (2.3)	XKR8 (2.3)
NFATC3 (3.1)	NCOA5 (3.0)	PCIF1 (2.9)	SETD8 (2.9)	CDK12 (2.9)
SNX10 (2.7)	CETP (2.1)	LILRB2 (2.1)	NLRC5 (1.9)	KIAA0895L (1.9)
EIF3J (2.9)	NUP160 (2.9)	PRMT7 (2.9)	DDX28 (2.7)	KPNB1 (2.6)
TBKBP1 (2.5)	KIAA0754 (2.2)	ABHD6 (2.0)	APOE (1.9)	DDB2 (1.9)
RBM6 (3.1)	CELF1 (2.9)	RBM5 (2.8)	NCOA5 (2.7)	SNORD58C (2.7)
CBFB (2.6)	ENSG00000182109 (2	EYA3 (2.5)	AMFR (2.2)	BCL7B (2.2)
SNX13 (2.7)	KIAA0895L (2.6)	C1orf172 (2.4)	DUSP3 (2.3)	CCNDBP1 (2.2)
NUP160 (3.3)	PRMT7 (3.2)	SPG11 (3.2)	TP53BP1 (3.2)	JMJD1C (2.9)
NUP160 (3.3)	PRMT7 (3.2)	SPG11 (3.2)	TP53BP1 (3.2)	JMJD1C (2.9)
PRMT7 (3.0)	EIF3J (2.8)	NUP160 (2.8)	KPNB1 (2.7)	DDX28 (2.4)
GPAM (2.6)	KBTBD4 (2.5)	HARBI1 (2.4)	TMEM62 (2.4)	PTPMT1 (2.4)
GPAM (2.6)	KBTBD4 (2.5)	HARBI1 (2.4)	TMEM62 (2.4)	PTPMT1 (2.4)
SNX10 (3.3)	PGS1 (2.5)	TMEM62 (2.3)	PTPRJ (2.1)	UVRAG (2.1)
PPP1R1B (2.7)	CCDC92 (2.6)	PITPNM2 (2.6)	DUSP3 (2.5)	MAP1A (2.3)
SPI1 (2.2)	DPEP2 (2.1)	ENSG00000256746 (1	ENSG00000223745 (1	OR4A21P (1.7)
XKR8 (2.5)	SIK3 (2.2)	ENSG00000247867 (2	NR1H3 (2.1)	KLF14 (2.0)
XKR8 (2.5)	SIK3 (2.2)	ENSG00000247867 (2	NR1H3 (2.1)	KLF14 (2.0)
PXK (2.2)	JMJD1C (2.1)	COX19 (2.0)	RAB11B (1.9)	HCAR1 (1.9)
PRMT7 (3.1)	TOMM40 (3.1)	SLC7A6OS (2.7)	DDX28 (2.6)	NUP160 (2.5)
DDB2 (3.8)	NUP93 (3.7)	SKA1 (3.3)	C16orf48 (2.9)	MTCH2 (2.7)
C17orf57 (2.4)	PTPRZ1 (2.3)	C1orf172 (2.3)	MYO5B (2.0)	MST1R (1.7)
CELF1 (2.5)	TAGLN (2.5)	DGKG (2.4)	GNAO1 (2.2)	VEGFA (2.2)
CBFB (2.3)	WDR76 (2.3)	GPER (2.2)	JMJD1C (2.2)	MIEN1 (2.1)
SDF2L1 (3.3)	ATG13 (3.3)	HERPUD1 (3.2)	HARBI1 (2.8)	COX19 (2.6)
NPEPPS (2.3)	OASL (2.2)	SNORD58C (2.1)	LSM12 (2.1)	FNBP4 (2.0)
BUD13 (2.3)	RBM6 (2.2)	EDC4 (2.2)	FAM192A (2.2)	PCIF1 (2.1)
BAZ1B (3.8)	SKA1 (3.5)	MTF2 (3.4)	NUP160 (3.3)	CTDSPL2 (2.8)
FADS2 (4.5)	PPY (4.1)	MMAB (3.9)	OR5L2 (2.7)	TMEM208 (2.7)
EIF3J (2.7)	C12orf43 (2.6)	YDJC (2.6)	PRMT7 (2.5)	GPN2 (2.4)
SLC7A6 (2.4)	AFF1 (2.4)	IGF2R (2.3)	CTRL (2.3)	MTMR3 (2.3)
REEP3 (2.2)	SLC7A6 (2.1)	B3GNT9 (2.1)	AMFR (2.1)	TMED5 (2.1)
DEPDC1 (3.9)	DDB2 (3.1)	ACD (2.7)	NUP160 (2.7)	C16orf48 (2.6)
NOL3 (2.8)	MT1X (2.8)	MIEN1 (2.5)	MT1F (2.4)	MAP1A (2.4)
NOL3 (2.8)	MT1X (2.8)	MIEN1 (2.5)	MT1F (2.4)	MAP1A (2.4)
TRADD (3.0)	SOST (2.8)	BACE1 (2.4)	FAM192A (2.3)	RSPO3 (2.3)

SFN (3.4)	BCAM (3.3)	ELMO3 (3.3)	MYO5B (3.2)	TGM7 (3.0)
VEGFA (2.3)	AGBL2 (2.1)	PLEKHG4 (2.1)	C1orf172 (2.1)	G6PC3 (1.9)
CATSPER2 (2.7)	TGM7 (2.6)	CETP (2.6)	KCTD19 (2.3)	BACE1 (2.1)
PDIA3 (4.8)	TP53BP1 (2.9)	HERPUD1 (2.7)	ELMO3 (2.5)	CX3CL1 (2.4)
NUTF2 (2.6)	TOMM40 (2.6)	PRMT7 (2.5)	EIF3J (2.2)	C7orf50 (2.2)
LCMT2 (3.0)	CXXC1 (3.0)	RBM6 (2.7)	BBS2 (2.6)	BUD13 (2.6)
PTPRZ1 (2.4)	TGM7 (2.1)	ELMO3 (2.0)	BCAM (1.9)	ESRP2 (1.8)
PTPRZ1 (2.4)	TGM7 (2.1)	ELMO3 (2.0)	BCAM (1.9)	ESRP2 (1.8)
PTPRZ1 (2.4)	TGM7 (2.1)	ELMO3 (2.0)	BCAM (1.9)	ESRP2 (1.8)
SBNO1 (3.3)	UBR1 (3.3)	KPNB1 (3.3)	CELF1 (2.7)	OGFOD1 (2.6)
FEN1 (2.1)	DEPDC1 (2.0)	MAFF (1.9)	PCSK7 (1.9)	LCAT (1.9)
ENSG00000181296 (2	HCAR1 (2.1)	ENSG00000182109 (2	DOCK6 (2.0)	KIAA0754 (2.0)
TMEM101 (3.5)	TMEM62 (2.8)	PGAP3 (2.8)	TBL2 (2.7)	PTPMT1 (2.6)
ZNF259 (3.3)	DUS2L (3.2)	DYM (3.1)	EIF3J (2.8)	PSMC3 (2.5)
C12orf43 (3.0)	BCL7B (2.9)	ZNF335 (2.7)	MAFF (2.4)	CCL17 (2.3)
CTDSPL2 (2.0)	DCPS (1.9)	MT1F (1.9)	MTF2 (1.9)	C18orf32 (1.9)
MTCH2 (3.6)	RNF214 (3.6)	SIK3 (3.0)	PPIP5K1 (2.4)	NPEPPS (2.4)
PSKH1 (2.5)	OASL (2.4)	NFATC3 (2.4)	RSPRY1 (2.4)	RANBP10 (2.3)
RNF214 (2.3)	CYP26A1 (2.3)	RSPO3 (2.2)	CELSR2 (2.2)	FZD9 (2.2)
OR4A1P (2.2)	ENSG00000179523 (2	MACF1 (2.0)	UBR1 (2.0)	SLC12A4 (2.0)
MYO1H (2.2)	TMEM175 (2.1)	C17orf105 (2.0)	CES4A (1.9)	PIGV (1.9)
ABHD6 (2.4)	PPP1R1B (2.1)	RSPO3 (2.1)	KCTD6 (2.1)	CITED2 (2.0)
GRB7 (2.8)	ERBB2 (2.6)	LRP4 (2.5)	VEGFA (2.3)	C11orf9 (2.3)
NEUROD2 (2.8)	MADD (2.6)	MAP1A (2.5)	GNAO1 (2.4)	TRNP1 (2.4)
G6PC3 (2.3)	RAPSN (2.2)	NOL3 (2.1)	RNF214 (2.1)	CLPTM1 (2.1)
C16orf48 (2.0)	FAM192A (2.0)	TTBK2 (1.9)	WDR76 (1.8)	CTDSPL2 (1.8)
CSGALNACT1 (2.6)	ARHGAP1 (2.4)	PDE3A (2.3)	DR1 (2.2)	PITPNM2 (2.2)
CIAPIN1 (2.2)	SFN (2.1)	BCAM (2.0)	CD36 (2.0)	TMEM62 (2.0)
C12orf43 (3.2)	SLC7A6OS (3.0)	PRMT7 (2.8)	NUP160 (2.7)	C7orf50 (2.6)
ENSG00000223745 (2	ENSG00000236267 (2	FNBP4 (2.6)	ZNF613 (2.3)	C16orf48 (2.3)
TUBGCP4 (2.8)	UBR1 (2.7)	PVRL2 (2.6)	TP53BP1 (2.5)	MPP3 (2.4)
DEPDC1 (4.7)	CENPT (4.1)	MPHOSPH9 (3.4)	TP53BP1 (3.0)	C16orf48 (3.0)
AFF1 (2.7)	ZNF664 (2.6)	UBE3B (2.3)	MACF1 (2.3)	ARHGAP1 (2.2)
TMED5 (3.2)	HERPUD1 (3.1)	TBL2 (3.0)	SLC7A6 (3.0)	G6PC3 (2.8)
MPP3 (3.0)	MST1R (2.8)	BMP8A (2.2)	CYP2W1 (2.1)	C1QTNF4 (2.1)
NUP93 (2.7)	NUP160 (2.6)	NCOA5 (2.6)	EDC4 (2.4)	BAZ1B (2.3)
FBXL20 (2.2)	ENSG00000247445 (2	TMEM175 (1.9)	OR5J2 (1.9)	CES4A (1.9)
FBXL20 (2.2)	ENSG00000247445 (2	TMEM175 (1.9)	OR5J2 (1.9)	CES4A (1.9)
CKAP5 (2.5)	ETV5 (2.5)	WDR76 (2.5)	SKA1 (2.4)	NUP93 (2.2)
CITED2 (2.1)	ABCA8 (2.1)	OGFOD1 (1.8)	FRMD5 (1.8)	SPG11 (1.7)
PPIP5K1 (2.5)	SPG11 (2.4)	TTBK2 (2.4)	JMJD1C (2.4)	MPHOSPH9 (2.3)
TMED5 (2.7)	JMJD1C (2.5)	C12orf65 (2.5)	RAPSN (2.2)	CTDSPL2 (2.1)
DPEP3 (2.0)	CATSPER2 (1.8)	MBD1 (1.7)	C16orf86 (1.6)	BMP8A (1.5)
PLTP (2.4)	CLPTM1 (2.4)	TECTB (2.4)	REEP3 (2.2)	HSF4 (2.2)
CCL17 (2.1)	CX3CL1 (2.1)	LRP4 (2.0)	KIAA0754 (2.0)	SLC12A4 (2.0)
C1orf172 (2.2)	TRPS1 (2.1)	DPEP3 (2.0)	SOST (2.0)	CYP26A1 (1.8)
MADD (2.2)	PTPRJ (2.2)	TRNP1 (2.1)	GPER (2.0)	AMFR (2.0)
DEPDC1 (3.8)	DDB2 (3.4)	ACD (2.9)	NUP160 (2.9)	MTF2 (2.7)
NUP93 (3.7)	MTCH2 (3.5)	ZFAND2A (3.4)	PSMB10 (3.4)	TMEM208 (3.2)
NUP93 (3.7)	MTCH2 (3.5)	ZFAND2A (3.4)	PSMB10 (3.4)	TMEM208 (3.2)

BCAM (2.7)	ABCA8 (2.3)	MACF1 (2.1)	TMED5 (2.0)	PVRL2 (1.9)
DEPDC1 (4.7)	CENPT (4.1)	WDR76 (3.5)	MPHOSPH9 (3.4)	C16orf48 (3.0)
PTPRJ (3.0)	SLC9A5 (2.6)	MPP2 (2.5)	GPER (2.5)	ST3GAL4 (2.3)
YDJC (2.8)	CIAPIN1 (2.7)	TOMM40 (2.6)	SLC7A6 (2.5)	UBE2L3 (2.5)
ESRP2 (3.2)	GRB7 (3.0)	BCL3 (2.6)	MLXIPL (2.4)	TRADD (2.2)
CCDC116 (2.5)	ENSG00000223745 (2	HCAR1 (2.3)	ENSG00000255507 (2	C19orf80 (2.0)
RELB (2.3)	CCL22 (2.1)	RLTPR (2.0)	DUS2L (2.0)	UVRAG (1.9)
TECTB (2.1)	SLC9A5 (2.0)	ABCA8 (2.0)	ENSG00000236267 (2	PDHB (1.8)
ZSCAN29 (2.4)	ST3GAL4 (2.4)	MT1M (2.2)	HARBI1 (2.1)	COBLL1 (2.1)
CCL22 (2.3)	FHOD1 (2.3)	ZNF335 (2.3)	PITPNM2 (2.3)	LILRA3 (2.2)
CCL17 (2.3)	ATG13 (2.2)	NUDT21 (2.1)	PYY (2.1)	TGM5 (2.0)
DDX28 (2.9)	SLC7A6OS (2.9)	EIF3J (2.8)	C7orf50 (2.4)	GPN2 (2.4)
CKAP5 (4.7)	FEN1 (3.8)	CCDC18 (3.3)	MPHOSPH9 (2.9)	TMEM175 (2.8)
EPB42 (3.3)	C17orf105 (2.9)	ZNF350 (2.5)	STRC (2.4)	DOK4 (2.3)
ST3GAL4 (2.4)	ZNF615 (2.4)	GPR146 (2.2)	PIGV (2.2)	CCDC116 (2.2)
BUD13 (2.6)	PAFAH1B2 (2.2)	DOCK6 (2.1)	FHOD1 (2.0)	UBR1 (2.0)
C12orf43 (2.6)	DDX28 (2.5)	E2F4 (2.5)	YDJC (2.4)	SNORD58C (2.2)
PLEKHG4 (2.8)	TBL2 (2.4)	FADS1 (1.8)	CATSPER2 (1.7)	PLA2G6 (1.7)
KLF14 (2.5)	ERBB2 (2.4)	RSPO3 (2.4)	GRB7 (2.4)	OR5J2 (2.3)
ZNF664 (2.7)	C1QTNF4 (2.7)	ENSG00000256746 (2	SLC9A5 (2.4)	ENSG00000181296 (2
NLRC5 (2.2)	ZDHHC18 (2.1)	ENSG00000236267 (2	ENSG00000226334 (2	CCL17 (2.0)
CCL22 (2.6)	NRBF2 (2.5)	ZNF335 (2.3)	ADAL (2.3)	RELB (2.2)
MBD1 (2.9)	ACD (2.8)	POLR2C (2.7)	PSMC3 (2.6)	E2F4 (2.6)
NEUROD2 (2.6)	ENSG00000256746 (2	MAP1A (2.2)	CELSR2 (2.2)	ENSG00000247867 (2
MADD (2.7)	MPP2 (2.6)	PITPNM2 (2.4)	PTPRJ (2.2)	PPP1R1B (2.0)
TMEM208 (2.7)	ZFAND2A (2.6)	ENSG00000229043 (2	SMPD3 (2.4)	POLR2C (2.2)
C1QTNF4 (2.3)	APOC4 (2.3)	HNF4A (1.9)	APOA5 (1.9)	ZNF408 (1.8)
GFOD2 (2.6)	THAP11 (2.4)	ZNF259 (2.3)	KBTBD4 (2.2)	NUP160 (2.1)
GFOD2 (2.6)	THAP11 (2.4)	ZNF259 (2.3)	KBTBD4 (2.2)	NUP160 (2.1)
ELMO3 (2.7)	GRB7 (2.5)	BCAM (2.4)	CIAPIN1 (2.3)	SFN (2.3)
SKA1 (2.8)	CPNE2 (2.7)	SETD8 (2.6)	DEPDC1 (2.3)	PSMC3 (2.2)
CYP2W1 (2.7)	GPIHBP1 (2.6)	CD300LG (2.4)	FHOD1 (2.2)	PDE3A (1.9)
ZNF613 (2.7)	EIF3J (2.5)	NUTF2 (2.5)	ZNF614 (2.4)	ARFGAP2 (2.3)
GLUL (2.0)	ZDHHC18 (1.8)	NR1H3 (1.8)	AFF1 (1.8)	ABCA1 (1.7)
TCAP (3.2)	ABCA8 (2.9)	PNMT (2.8)	DNAH10 (2.5)	DOK4 (2.5)
DOK4 (2.4)	NR1H3 (2.4)	MST1R (2.3)	ABCA1 (2.3)	ACP2 (2.1)
PSMB10 (3.3)	ZDHHC18 (3.3)	LILRA3 (3.0)	CCL17 (2.5)	LILRB2 (2.1)
PCSK7 (2.5)	ENSG00000181296 (2	TBL2 (2.3)	TMEM208 (2.3)	TMED5 (2.3)
AMBRA1 (2.5)	SBNO1 (2.3)	ZNF613 (2.3)	MIEN1 (2.3)	CPNE2 (2.2)
MYO5B (2.4)	CITED2 (2.4)	CPNE2 (2.3)	NPEPPS (2.3)	KCTD10 (2.2)
NUDT21 (2.4)	PAFAH1B2 (2.4)	CATSPER2 (2.3)	BUD13 (2.2)	NOL3 (2.2)
ZNF350 (2.4)	GLUL (2.2)	MST1R (2.0)	ST3GAL4 (1.8)	PTPRZ1 (1.8)
BCAM (3.1)	ABCA8 (2.6)	CELSR2 (2.6)	ABCB9 (2.5)	MACF1 (2.5)
DOCK6 (2.5)	PITPNM2 (2.4)	ABCB9 (2.4)	BACE1 (2.4)	SLC9A5 (2.3)
LSM12 (2.3)	GPN2 (2.2)	POLR2C (2.1)	ENSG00000226645 (2	NPEPPS (2.0)
TRPS1 (2.3)	TECTB (2.3)	SOST (2.1)	PTPRZ1 (2.1)	NOL3 (2.0)
CIAPIN1 (3.1)	PTPMT1 (2.9)	MTCH2 (2.9)	PPIP5K1 (2.4)	C18orf32 (2.2)
C11orf9 (2.6)	OASL (2.4)	MT1M (2.1)	PPY (2.1)	C1orf172 (2.1)
RBM5 (3.0)	CELF1 (2.9)	KANK2 (2.7)	ZNF408 (2.7)	BAZ1B (2.6)
C11orf9 (2.4)	NAGS (2.3)	DPEP2 (2.1)	MST1R (2.1)	UVRAG (2.1)

MBD1 (2.4)	GNAO1 (2.2)	NEUROD2 (2.2)	DUSP3 (2.1)	C1QTNF4 (2.1)
NAGS (2.6)	HNF4A (2.0)	COBLL1 (2.0)	MT1G (2.0)	PLEKHG4 (2.0)
PLA2G6 (2.5)	GFOD2 (2.3)	ARFGAP2 (2.3)	NPEPPS (2.3)	XKR8 (2.2)
C16orf70 (2.9)	ATG13 (2.9)	MTMR3 (2.9)	PSKH1 (2.9)	KBTBD4 (2.8)
SEC14L4 (4.1)	CCNDBP1 (4.1)	MTMR3 (2.5)	CD36 (2.3)	C1QTNF4 (2.2)
WDR76 (4.0)	DEPDC1 (3.6)	NUP93 (3.5)	DDB2 (3.4)	MTCH2 (3.0)
ZNF664 (2.5)	ENSG00000223745 (2	OASL (2.0)	FADS1 (2.0)	GPAM (1.9)
ZNF664 (3.2)	FBXL20 (2.8)	ESRP2 (2.7)	MBD1 (2.3)	TTC39B (2.1)
TRNP1 (2.5)	NLRC5 (2.4)	MYO5B (2.3)	BACE1 (2.1)	SNX10 (2.1)
CIAPIN1 (3.0)	DCPS (2.7)	NUDT21 (2.6)	THAP11 (2.5)	PCIF1 (2.5)
GRB7 (4.2)	ELMO3 (4.2)	PVRL2 (4.1)	ZNF664 (3.4)	BCAM (3.4)
UBR1 (2.5)	RBM6 (2.5)	SBNO1 (2.2)	AMBRA1 (2.2)	TP53BP1 (2.1)
PDE3A (2.4)	GPIHBP1 (2.3)	ABCB9 (2.1)	GNAO1 (2.0)	FRMD5 (2.0)
HNF4A (2.4)	GPER (2.4)	MT1F (2.1)	LCAT (2.1)	NAGS (2.0)
ARHGAP1 (2.7)	TTC39B (2.6)	PCSK7 (2.6)	RAB11B (2.4)	COX19 (2.4)
SKA1 (4.3)	C16orf48 (4.2)	ACD (3.3)	DDB2 (3.2)	CTDSPL2 (3.1)
KIAA0895L (3.0)	EDC4 (2.9)	TTBK2 (2.9)	MT1F (2.7)	NOL3 (2.6)
GPN2 (3.4)	ZNF335 (3.2)	C12orf43 (2.9)	EDC4 (2.8)	UBR1 (2.7)
ELMO3 (4.0)	LIPG (3.2)	MYO5B (3.1)	C1orf172 (3.0)	ENSG00000236267 (3
MPP2 (2.3)	CSGALNACT1 (2.2)	SLC12A3 (2.2)	CMIP (2.1)	HDAC5 (2.1)
PRMT7 (2.8)	C7orf50 (2.8)	NUP93 (2.7)	CXXC1 (2.5)	ACD (2.4)
INTS10 (2.5)	NUP160 (2.3)	TNKS (2.3)	ZNF408 (2.2)	YDJC (2.2)
ZNF664 (2.6)	PCIF1 (2.6)	SBNO1 (2.5)	CTDSPL2 (2.3)	SETD8 (2.3)
ABCB9 (2.6)	CITED2 (2.5)	DGKG (2.5)	MAFF (2.4)	C16orf86 (2.4)
SKA1 (3.2)	DEPDC1 (2.6)	CENPT (2.5)	MPHOSPH9 (2.5)	TGM5 (2.3)
ABHD6 (3.0)	TMEM62 (2.9)	PXK (2.6)	AMFR (2.5)	C18orf32 (2.4)
SPI1 (2.8)	OR4A21P (2.4)	PTPRJ (2.4)	ZNF614 (2.3)	SIK3 (2.3)
SPI1 (2.8)	OR4A21P (2.4)	PTPRJ (2.4)	ZNF614 (2.3)	SIK3 (2.3)
CITED2 (2.3)	MAFF (2.1)	ENSG00000255507 (2	LILRB2 (2.0)	HDAC5 (1.8)
PDE3A (2.1)	ENSG00000179523 (1	GNAO1 (1.9)	BCL7B (1.8)	REEP3 (1.8)
PTPRZ1 (2.6)	C11orf9 (2.3)	ZDHHC18 (2.2)	ARHGAP1 (2.2)	SMPD3 (2.1)
ARID1A (2.8)	MED1 (2.7)	ACD (2.6)	SNORD58C (2.6)	TTBK2 (2.6)
SPRYD5 (2.9)	CCDC116 (2.7)	OR5J2 (2.7)	ENSG00000223745 (2	TGM5 (2.5)
CCL22 (3.2)	EPB42 (3.0)	LILRB2 (2.4)	DPEP3 (2.2)	SLC12A3 (2.2)
FZD9 (2.3)	SLC12A4 (2.2)	FRMD5 (2.1)	BCAM (2.1)	SOST (2.0)
CCL17 (3.8)	CD40 (3.5)	ZDHHC18 (2.9)	CETP (2.8)	PYY (2.7)
C7orf50 (2.8)	C12orf43 (2.6)	OGFOD1 (2.5)	KPNB1 (2.3)	PSMC3 (2.3)
SEC14L4 (2.1)	CPS1 (2.1)	RSPO3 (2.1)	LIPC (2.0)	TBL2 (1.9)
PTPRZ1 (2.6)	TRNP1 (2.6)	ENSG00000223745 (2	PGAP3 (2.3)	ZNF614 (2.2)
DCPS (3.1)	CCNDBP1 (3.1)	DYM (2.9)	NPEPPS (2.5)	THAP11 (2.4)
NUP93 (2.5)	TUBGCP4 (2.4)	UBR1 (2.1)	NUP160 (2.1)	NCOA5 (2.1)
MPP2 (2.9)	GPER (2.7)	PTPRJ (2.6)	SLC9A5 (2.5)	MON1A (2.4)
GNAO1 (2.8)	DGKG (2.5)	MPP2 (2.5)	BACE1 (2.3)	MYO5B (2.2)
NCOA5 (2.9)	DCPS (2.9)	RELB (2.8)	BAZ1B (2.7)	CKAP5 (2.7)
MFAP1 (3.2)	RBM5 (3.1)	SLC7A6OS (3.1)	ZNF408 (3.0)	INTS10 (2.9)
PDHB (2.7)	GPAM (2.3)	G6PC3 (2.1)	OGFOD1 (2.0)	PPIP5K1 (2.0)
ELMO3 (2.1)	C1QTNF4 (2.0)	TMEM62 (2.0)	REEP3 (2.0)	NAGS (1.9)
CD40 (3.2)	KIAA0895L (2.8)	PSMB10 (2.8)	MFAP1 (2.4)	ZNF350 (2.3)
DOK4 (2.3)	ACAA2 (2.3)	KCTD10 (2.3)	KIAA0895L (2.1)	MPP3 (2.0)
GPN2 (3.0)	CELF1 (2.9)	ARID1A (2.8)	KBTBD4 (2.8)	MED1 (2.7)

CMIP (2.4)	CSGALNACT1 (2.2)	MACF1 (2.2)	TTBK2 (2.1)	LRP4 (2.0)
PNMT (2.3)	ENSG00000229043 (2	DNAH10 (2.1)	PDE3A (2.1)	MPP3 (2.1)
DNAH10 (3.2)	C11orf49 (2.3)	TP53BP1 (2.1)	C16orf48 (1.9)	GFOD2 (1.8)
DDX28 (2.6)	PDHB (2.3)	CIAPIN1 (2.2)	BBS2 (2.1)	PSMC3 (2.1)
LRRC29 (2.8)	CKAP5 (2.8)	CCDC18 (2.7)	UBR1 (2.6)	PCSK7 (2.6)
LRP4 (3.1)	SMPD3 (3.0)	SLC12A4 (2.8)	ABHD6 (2.5)	ST3GAL4 (2.4)
CDK12 (3.2)	KPNB1 (3.2)	ARID1A (3.0)	BUD13 (2.9)	ACD (2.8)
NUDT21 (3.2)	B3GNT9 (3.0)	SDF2L1 (2.8)	SMPD3 (2.8)	RSPRY1 (2.7)
MIEN1 (2.6)	ZFAND2A (2.4)	DCPS (2.3)	TRNP1 (2.3)	ANGPTL4 (2.2)
RLTPR (2.9)	GNAO1 (2.7)	DOK4 (2.5)	ZDHHC18 (2.4)	CMIP (2.3)
PVRL2 (3.4)	KANK2 (3.4)	KCTD10 (3.3)	TCAP (3.1)	KIAA0754 (3.0)
PIGV (3.3)	PCSK7 (3.3)	TMEM175 (3.3)	TMEM208 (3.0)	LRRC29 (3.0)
KCTD19 (2.9)	TRADD (2.7)	PGAP3 (2.5)	SLC39A13 (2.3)	CATSPER2 (2.3)
CPNE2 (2.8)	MYO1H (2.6)	CBFB (2.5)	KCTD10 (2.4)	CCDC92 (2.3)
KBTBD4 (3.1)	BAZ1B (3.1)	SBNO1 (3.0)	EDC4 (2.9)	FAM192A (2.9)
WDR76 (3.3)	LCMT2 (3.3)	EIF3J (3.3)	CTDSPL2 (3.2)	ENSG00000179523 (2
C11orf9 (2.6)	UBR1 (2.6)	EIF3J (2.5)	ZNF408 (2.5)	ARID1A (2.5)
DEPDC1 (3.3)	DDB2 (3.3)	CTDSPL2 (3.2)	MTF2 (3.1)	C16orf48 (3.1)
ZNF408 (2.8)	C7orf50 (2.8)	GPN2 (2.4)	DDX28 (2.3)	PRMT7 (2.2)
CCL17 (2.2)	CCDC11 (2.2)	OR4A21P (2.0)	AGBL2 (1.9)	PGS1 (1.9)
SLC7A6OS (3.1)	C12orf43 (2.8)	YDJC (2.6)	C7orf50 (2.5)	RBM6 (2.4)
CITED2 (2.7)	BBS2 (2.5)	GLUL (2.5)	MFAP1 (2.5)	UBR1 (2.3)
TMEM208 (3.9)	ZFAND2A (3.6)	NOL3 (3.4)	EIF3J (3.2)	ARFGAP2 (3.2)
CELSR2 (3.4)	PITPNM2 (3.3)	PPP1R1B (3.2)	DGKG (3.2)	CX3CL1 (3.0)
OR5J2 (2.1)	ZNF614 (1.9)	ENSG00000181296 (1	OR4A1P (1.6)	ZDHHC18 (1.5)
DPEP2 (2.8)	UVRAG (2.5)	RLTPR (2.3)	SNX10 (2.2)	PXK (2.1)
C18orf32 (2.9)	TMEM175 (2.7)	HERPUD1 (2.5)	TMEM101 (2.4)	G6PC3 (2.3)
SEC14L4 (2.4)	CETP (2.0)	SFN (2.0)	APOC1 (1.9)	ZNF408 (1.9)
PCSK7 (2.5)	XKR8 (2.4)	LILRA3 (2.4)	PGS1 (2.4)	TRADD (2.1)
PACSIN3 (3.7)	PDHB (3.4)	NDUFS3 (3.1)	CIAPIN1 (2.7)	FRMD5 (2.5)
ENSG00000226645 (2	MAFF (2.5)	TRIB1 (2.5)	BMP8A (2.5)	GNAO1 (2.3)
PDIA3 (2.5)	HERPUD1 (2.4)	F2 (2.2)	SLC12A3 (2.2)	APOA5 (2.0)
PIGV (2.3)	TECTB (2.2)	ENSG00000247867 (2	DDX28 (2.1)	ABCA8 (1.9)
CCDC18 (3.4)	FEN1 (3.3)	CENPT (3.2)	SETD8 (3.0)	WDR76 (2.1)
ZNF614 (2.9)	LCMT2 (2.7)	CIAPIN1 (2.6)	THAP11 (2.4)	PCIF1 (2.4)
UBE2L3 (3.4)	TMEM208 (3.3)	MTCH2 (3.0)	PSMB10 (2.8)	NUTF2 (2.7)
CASC4 (2.3)	GPR146 (2.0)	ENSG00000181123 (1	CCDC116 (1.9)	ZNF615 (1.9)
MPHOSPH9 (3.9)	DEPDC1 (3.7)	CENPT (3.4)	DDB2 (3.3)	CKAP5 (3.2)
SOST (3.0)	TRPS1 (2.6)	RSPO3 (2.4)	PTPRZ1 (2.3)	RAPSN (2.2)
ANGPTL4 (2.8)	HERPUD1 (2.3)	PTPRJ (2.3)	MT1X (2.2)	TTBK2 (2.0)
HNF4A (2.4)	OR5L2 (2.4)	NR0B2 (2.3)	OR5J2 (2.1)	ENSG00000226645 (2
UVRAG (2.2)	BCL7B (2.1)	RAB11B (2.1)	FBXL20 (2.1)	NFATC3 (2.1)
SNORD58C (2.8)	CCDC116 (2.8)	NCOA5 (2.7)	EDC4 (2.6)	INTS10 (2.6)
LCMT2 (3.0)	DDX28 (2.9)	THAP11 (2.7)	NCOA5 (2.6)	ZSCAN29 (2.4)
PIGV (3.4)	MIEN1 (3.4)	ENSG00000223745 (3	C7orf50 (2.7)	PGAP3 (2.6)
EXOC3L1 (3.2)	AFF1 (2.9)	MLXIPL (2.3)	SLC12A3 (2.2)	C11orf9 (2.1)
CELSR2 (2.2)	ARID1A (2.0)	TRPS1 (2.0)	MED1 (2.0)	RLTPR (2.0)
DR1 (2.5)	PAFAH1B2 (2.3)	BCL7B (2.0)	UBE2L3 (2.0)	PDE3A (2.0)
DR1 (2.5)	PAFAH1B2 (2.3)	BCL7B (2.0)	UBE2L3 (2.0)	PDE3A (2.0)
NOL3 (3.1)	UBE2L3 (2.6)	KPNB1 (2.6)	TMEM208 (2.6)	FAM192A (2.5)

KLF14 (1.9)	OR5J2 (1.9)	SETD8 (1.8)	CMIP (1.7)	PIGV (1.7)
DOK4 (3.2)	ARHGAP1 (2.7)	DOCK6 (2.5)	IGF2R (2.5)	SFN (2.3)
CD40 (3.0)	PDIA3 (2.9)	MAFF (2.8)	HERPUD1 (2.7)	ZDHHC18 (2.6)
NUP160 (2.4)	C12orf43 (2.4)	MON1A (2.4)	ZNF259 (2.3)	YDJC (2.1)
ZNF615 (2.4)	ENSG00000179523 (2	LIPG (2.2)	ENSG00000247867 (2	COBLL1 (2.0)
ZNF615 (2.4)	ENSG00000179523 (2	LIPG (2.2)	ENSG00000247867 (2	COBLL1 (2.0)
MIEN1 (2.4)	PXK (2.4)	ENSG00000223745 (2	SLC12A3 (2.4)	PARD6A (2.3)
MIEN1 (2.4)	PXK (2.4)	ENSG00000223745 (2	SLC12A3 (2.4)	PARD6A (2.3)
MYO1H (2.2)	DOCK6 (2.2)	DNAH10 (2.1)	GPIHBP1 (2.1)	PARD6A (2.1)
ETV5 (2.4)	OR5I1 (2.3)	LRP4 (2.1)	PPP1R1B (2.0)	MST1R (1.9)
C7orf50 (2.7)	CDK12 (2.3)	NUP160 (2.3)	PRMT7 (2.3)	C12orf43 (2.3)
KANK2 (2.9)	MBD1 (2.9)	CBFB (2.7)	CYP26A1 (2.5)	CCDC11 (2.3)
EXOC3L1 (2.2)	FADS2 (2.2)	BUD13 (2.1)	RSPRY1 (2.0)	SLC7A6OS (2.0)
EIF3J (2.8)	NUP160 (2.7)	EDC4 (2.6)	C12orf43 (2.6)	NUP93 (2.6)
LCMT2 (2.3)	SLC22A1 (2.2)	ENSG00000247445 (2	ENSG00000247867 (2	C12orf65 (1.9)
MPP2 (2.7)	PITPNM2 (2.6)	MADD (2.6)	PPP1R1B (2.4)	PTPRJ (2.2)
LCMT2 (2.1)	FNBP4 (2.0)	KPNB1 (2.0)	ENSG00000226334 (1	EDC4 (1.5)
MACF1 (2.4)	JMJD1C (2.4)	C11orf49 (2.3)	ZNF615 (2.2)	KCTD10 (2.1)
CCL17 (3.3)	CD40 (3.3)	ZDHHC18 (2.8)	SPRYD5 (2.8)	DDB2 (2.6)
TOMM40 (2.6)	PDHB (2.5)	UBE2L3 (2.4)	PRMT7 (2.4)	EIF3J (2.3)
DNAH10 (3.0)	C11orf49 (2.4)	C16orf48 (2.3)	PLTP (2.1)	ZNF615 (1.8)
DUSP3 (2.6)	SIK3 (2.6)	SPG11 (2.5)	RBM6 (2.4)	CYP2W1 (2.4)
REEP3 (2.9)	CMIP (2.9)	ABHD6 (2.8)	SNX13 (2.2)	CBFB (2.0)
RSPO3 (2.0)	CD300LG (1.9)	XKR8 (1.9)	CITED2 (1.7)	ENSG00000255507 (1
NCOA5 (2.5)	C11orf49 (2.4)	ATG13 (2.3)	CIAPIN1 (2.2)	UBE2L3 (2.2)
NUTF2 (2.7)	NUP160 (2.3)	KPNB1 (2.3)	LCMT2 (2.3)	EIF3J (2.0)
PSMB10 (3.4)	CD40 (2.7)	PACSIN3 (2.6)	FPR3 (2.5)	CCL22 (2.4)
NCOA5 (3.2)	E2F4 (3.0)	FNBP4 (2.8)	ARFGAP2 (2.7)	PCIF1 (2.7)
CKAP5 (3.1)	HARBI1 (3.0)	COX19 (2.9)	COQ9 (2.8)	TOMM40 (2.8)
RSPO3 (3.1)	HNF4A (2.3)	PACSIN3 (2.1)	IGF2R (2.1)	HNF1A (2.1)
PYY (2.3)	ABHD6 (2.2)	GLUL (2.1)	ABCB9 (2.0)	TRIB1 (2.0)
DUSP3 (2.2)	NOL3 (2.0)	BCL7B (1.9)	ZNF613 (1.9)	ZDHHC18 (1.8)
ELMO3 (2.4)	C1orf172 (2.3)	AMFR (2.3)	GLUL (2.3)	CELF1 (2.2)
TBL2 (4.1)	TMED5 (3.5)	REEP3 (3.5)	G6PC3 (3.4)	HERPUD1 (3.2)
ST3GAL4 (2.2)	LSM12 (2.2)	FEN1 (2.1)	WDR76 (2.0)	COBLL1 (2.0)
LCMT2 (2.2)	ENSG00000226334 (2	EIF3J (2.1)	C12orf43 (2.0)	TOMM40 (1.9)
SLC7A6OS (2.7)	DDX28 (2.5)	PRMT7 (2.4)	DUS2L (2.2)	YDJC (2.2)
HSF4 (2.5)	MAP1A (2.5)	SLC9A5 (2.3)	MPP3 (2.2)	CITED2 (2.1)
ACAA2 (2.7)	MTCH2 (2.4)	SNX10 (2.2)	PDIA3 (2.1)	CCNDBP1 (2.1)
SKA1 (3.5)	MTF2 (3.2)	DDB2 (2.8)	MPHOSPH9 (2.8)	MFAP1 (2.7)
ZNF615 (3.1)	CCL17 (2.9)	CCL22 (2.7)	BMP8A (2.4)	TTC39B (2.1)
UVRAG (3.4)	CLPTM1 (3.2)	PTPRJ (2.6)	SBNO1 (2.5)	NCOA5 (2.5)
ACD (2.6)	POLR2C (2.6)	NUDT21 (2.5)	E2F4 (2.5)	DR1 (2.4)
ABHD6 (3.2)	BMP8A (2.9)	ZNF615 (2.8)	OR4A1P (2.3)	PGAP3 (2.2)
PVRL2 (3.5)	CPS1 (3.2)	APOA1 (3.1)	TRADD (3.0)	PLG (3.0)
RBM6 (3.0)	DR1 (2.8)	MON1A (2.7)	ERBB2 (2.4)	FNBP4 (2.2)
C12orf43 (2.6)	MED1 (2.5)	LSM12 (2.5)	FNBP4 (2.5)	TNKS (2.4)
CTDSPL2 (2.9)	INTS10 (2.8)	NUP93 (2.8)	LCMT2 (2.7)	CKAP5 (2.6)
ENSG00000179523 (2	TTBK2 (2.2)	ARID1A (2.2)	SLC7A6OS (2.1)	COBLL1 (2.0)
DGKG (2.6)	PTPRZ1 (2.2)	ENSG00000256746 (1	PDE3A (1.9)	ADAL (1.9)

ENSG00000182109 (2	LRP4 (2.6)	GRB7 (2.2)	DYM (2.1)	RSPO3 (2.1)
DCPS (2.2)	TOMM40 (2.2)	ARFGAP2 (2.2)	NUTF2 (2.1)	NUP93 (2.1)
NOL3 (2.4)	ABCA8 (2.3)	TRIB1 (2.1)	JMJD1C (2.1)	FRMD5 (2.1)
PDE3A (3.0)	CYP26A1 (2.8)	CYP2W1 (2.5)	C11orf9 (2.3)	EYA3 (2.3)
DEPDC1 (2.8)	CCDC18 (2.8)	CENPT (2.5)	KCTD19 (2.3)	MED1 (2.0)
PSMB10 (2.9)	NLRC5 (2.8)	UVRAG (2.8)	CCL17 (2.6)	PCSK7 (2.4)
OR5I1 (2.2)	RSPO3 (2.1)	YDJC (1.8)	HSF4 (1.8)	CYP26A1 (1.7)
NUP93 (3.0)	INTS10 (2.8)	CTDSPL2 (2.8)	LCMT2 (2.7)	TP53BP1 (2.5)
DEPDC1 (3.8)	CENPT (3.4)	CTDSPL2 (3.1)	DDB2 (3.1)	CBFB (2.9)
LRP4 (3.0)	FZD9 (3.0)	PTPRZ1 (2.9)	SMPD3 (2.6)	CYP26A1 (2.6)
PNMT (2.1)	SLC12A3 (2.1)	LIPG (2.1)	RAPSN (1.8)	ERBB2 (1.8)
PACSIN3 (3.6)	PDHB (3.5)	NDUFS3 (3.1)	MTCH2 (2.6)	FRMD5 (2.6)
C1QTNF4 (2.1)	COX19 (2.1)	ETV5 (2.0)	MACF1 (2.0)	MED1 (2.0)
TGM5 (2.8)	MST1R (2.7)	TECTB (2.2)	MAP1A (2.2)	DOK4 (2.1)
SOST (3.1)	TECTB (2.9)	AGBL2 (2.6)	BCAM (2.4)	FZD9 (2.4)
PCSK7 (2.9)	COX19 (2.8)	RAB11B (2.6)	UBE3B (2.4)	SETD8 (2.4)
KIAA0754 (2.5)	C1QTNF4 (2.4)	LCAT (2.1)	ENSG00000226334 (2	ACP2 (2.0)
RAB11B (2.9)	RLTPR (2.7)	C1QTNF4 (2.6)	MED1 (2.4)	ARID1A (2.2)
SMPD3 (2.5)	EPB42 (2.5)	XKR8 (2.5)	TAGLN (2.2)	G6PC3 (2.2)
KCTD19 (2.1)	TNKS (2.0)	C17orf105 (2.0)	FEN1 (1.9)	WDR76 (1.9)
PAFAH1B2 (2.7)	DR1 (2.6)	UBE2L3 (2.0)	BCL7B (2.0)	ARHGAP1 (1.8)
KIAA0895L (3.2)	MPP3 (3.2)	TRNP1 (3.0)	PARD6A (2.2)	MAP1A (2.1)
LCMT2 (2.5)	ENSG00000223745 (2	SLC7A6 (2.3)	SNORD58C (2.2)	MPHOSPH9 (2.0)
C12orf43 (2.8)	CXXC1 (2.7)	PCIF1 (2.5)	DCPS (2.5)	MON1A (2.3)
MT1E (2.8)	MT1X (2.8)	SLC39A13 (2.8)	MT1F (2.4)	PLG (2.2)
SLC22A1 (2.4)	CX3CL1 (2.3)	ENSG00000181296 (2	NAGS (2.0)	ABHD6 (2.0)
PDIA3 (3.4)	ACP2 (2.6)	CX3CL1 (2.2)	TP53BP1 (2.2)	HERPUD1 (2.0)
PDIA3 (3.4)	ACP2 (2.6)	CX3CL1 (2.2)	TP53BP1 (2.2)	HERPUD1 (2.0)
NCOA5 (2.4)	FEN1 (2.4)	BUD13 (2.3)	LCMT2 (2.1)	ADAL (2.0)
NCOA5 (2.4)	FEN1 (2.4)	BUD13 (2.3)	LCMT2 (2.1)	ADAL (2.0)
NCOA5 (2.4)	FEN1 (2.4)	BUD13 (2.3)	LCMT2 (2.1)	ADAL (2.0)
CCNDBP1 (3.6)	TMEM62 (3.6)	SPG11 (3.5)	PAFAH1B2 (3.0)	DYM (2.9)
NUDT21 (3.4)	TBL2 (3.1)	TP53BP1 (3.0)	NDUFS3 (2.8)	PDHB (2.7)
ELMO3 (2.3)	ST3GAL4 (2.2)	BMP8A (2.2)	PLEKHG4 (2.1)	OR5I1 (2.1)
KCTD10 (3.1)	TRNP1 (2.8)	BAZ1B (2.6)	KPNB1 (2.5)	KANK2 (2.4)
MYBPC3 (2.4)	DNAH10 (2.2)	ABCA8 (2.1)	SOST (2.1)	ENSG00000256746 (1
LCMT2 (2.6)	OGFOD1 (2.4)	CITED2 (2.4)	NOL3 (2.3)	MT1X (2.1)
IGF2R (2.0)	KPNB1 (2.0)	E2F4 (1.8)	SPRYD5 (1.7)	ENSG00000182109 (1
FAM192A (3.1)	BUD13 (3.0)	NUDT21 (2.9)	ACD (2.7)	PSKH1 (2.5)
CELF1 (2.8)	THAP11 (2.6)	PRMT7 (2.6)	ENSG00000223745 (2	SBNO1 (2.3)
MPHOSPH9 (2.4)	RBM6 (2.4)	CITED2 (2.1)	BAZ1B (2.1)	LCMT2 (1.9)
CD40 (3.0)	PIGV (3.0)	MAFF (2.7)	AMBRA1 (2.5)	MTMR3 (2.4)
ENSG00000226334 (2	CITED2 (1.7)	ENSG00000226645 (1	NUP93 (1.6)	DDX28 (1.5)
NOL3 (1.9)	PDE3A (1.9)	BCL7B (1.9)	CCDC92 (1.8)	EXOC3L1 (1.7)
ADAL (3.1)	MST1R (2.5)	SPG11 (2.4)	ABCB9 (2.2)	UBE3B (2.1)
TMEM208 (3.5)	NUP93 (3.2)	ZFAND2A (3.1)	UBE2L3 (3.0)	POLR2C (3.0)
SKA1 (3.7)	TMEM175 (3.7)	FEN1 (2.8)	MPHOSPH9 (2.4)	RBM6 (2.2)
C7orf50 (2.5)	NUP160 (2.5)	SNORD58C (2.4)	CDK12 (2.3)	KPNB1 (2.3)
CDK12 (2.7)	ARID1A (2.6)	C11orf49 (2.5)	C17orf105 (2.3)	DOCK6 (2.3)
SFN (3.6)	ARHGAP1 (2.8)	MACF1 (2.6)	TAGLN (2.5)	ERBB2 (2.2)

MTCH2 (3.0)	ADAL (2.6)	PPIP5K1 (2.6)	CIAPIN1 (2.2)	NR0B2 (2.1)
TTC39B (2.7)	RAPSN (2.7)	CASC4 (2.3)	NEUROD2 (2.0)	DUSP3 (2.0)
TOMM40 (2.6)	PLTP (2.3)	CITED2 (2.1)	GPN2 (2.1)	TRIB1 (2.1)
OR5J2 (2.1)	ENSG00000229043 (2	C17orf57 (1.9)	CD300LG (1.9)	HNF1A (1.8)
BBS2 (3.0)	MTF2 (2.7)	TP53BP1 (2.7)	CCDC18 (2.6)	RANBP10 (2.6)
BMP8A (2.5)	PARD6A (2.1)	AGBL2 (2.0)	ESRP2 (2.0)	PLA2G15 (1.9)
PACSIN3 (3.1)	FRMD5 (3.1)	PDHB (2.6)	NDUFS3 (2.5)	PLTP (2.4)
SOST (2.2)	LRP4 (2.1)	ENSG00000236267 (2	ENSG00000179523 (2	CPNE2 (1.9)
NUDT21 (2.4)	KPNB1 (2.3)	NPEPPS (2.3)	EDC4 (2.2)	SDF2L1 (2.2)
SLC12A4 (2.2)	PGS1 (2.2)	MBD1 (2.1)	POLR2C (1.9)	HNF1A (1.9)
NCOA5 (2.2)	KPNB1 (2.2)	MBD1 (2.0)	DDX28 (2.0)	OR4A21P (1.8)
RAB11B (2.6)	PDIA3 (2.5)	ZSCAN29 (2.5)	LILRA3 (2.4)	ENSG00000236267 (2
MYBPC3 (2.3)	CYP26A1 (2.1)	ERBB2 (2.1)	PDE3A (2.0)	BCAM (2.0)
COQ9 (2.8)	PTPMT1 (2.7)	TTC39B (2.7)	NDUFS3 (2.6)	PDHB (2.4)
CDK12 (3.2)	KBTBD4 (3.1)	PGAP3 (2.9)	MFAP1 (2.8)	SLC7A6OS (2.7)
BCAM (2.6)	NOL3 (2.6)	ERBB2 (2.5)	TECTB (2.5)	RAPSN (2.4)
LIPG (2.4)	PITPNM2 (2.1)	MAP1A (2.1)	ABCB9 (2.1)	TNKS (2.0)
ST3GAL4 (2.6)	SNX10 (2.6)	UBR1 (2.5)	RLTPR (2.4)	DPEP2 (2.4)
DDX28 (3.1)	SLC7A6OS (3.1)	DUS2L (2.8)	EIF3J (2.7)	YDJC (2.7)
DDX28 (2.4)	AFF1 (2.3)	LCMT2 (2.3)	BAZ1B (2.2)	HARBI1 (2.2)
CD40 (2.6)	XKR8 (2.3)	PTPMT1 (2.1)	CETP (2.1)	BMP8A (2.0)
LRRC29 (3.9)	FAM192A (3.8)	NFATC3 (3.5)	C16orf48 (3.2)	DDX28 (3.0)
XKR8 (3.0)	CCL17 (2.9)	CCL22 (2.6)	BMP8A (2.3)	TTC39B (2.2)
C7orf50 (2.5)	NUP160 (2.5)	GPN2 (2.4)	ZNF408 (2.4)	ENSG00000226645 (2
TMEM175 (3.8)	CKAP5 (3.8)	MPHOSPH9 (3.0)	DNAH10 (2.5)	FEN1 (2.4)
SPI1 (3.0)	HNF4A (2.7)	LILRA3 (2.2)	OR4A1P (2.2)	PLG (2.1)
CIAPIN1 (2.8)	NDUFS3 (2.8)	CCNDBP1 (2.6)	ACD (2.1)	C16orf70 (2.1)
TOMM40 (2.3)	ZNF335 (2.3)	FNBP4 (2.3)	NCOA5 (2.3)	ZNF664 (2.2)
ARID1A (3.0)	RNF214 (3.0)	KANK2 (2.7)	SBNO1 (2.7)	IGF2R (2.7)
BUD13 (2.8)	CCNDBP1 (2.7)	KLHL8 (2.7)	SNORD58C (2.6)	SLC7A6OS (2.6)
ADAL (2.2)	CMIP (2.1)	CCDC92 (2.0)	PCIF1 (1.9)	ZDHHC18 (1.8)
MT1X (4.1)	MT1M (2.8)	SEC14L4 (2.6)	SCARB1 (2.5)	PNMT (2.4)
CCNDBP1 (2.2)	TOMM40 (2.2)	NUP93 (2.1)	TMEM101 (2.0)	PRMT7 (2.0)
C17orf57 (2.4)	FZD9 (2.3)	C12orf65 (2.2)	KIAA0754 (1.8)	FRMD5 (1.8)
PPP1R1B (2.5)	MADD (2.4)	MPP2 (2.4)	GNAO1 (2.4)	DOK4 (2.2)
FRMD5 (3.3)	COQ9 (2.9)	NDUFS3 (2.6)	PLTP (2.3)	AFF1 (2.2)
KCTD10 (2.4)	CD300LG (2.4)	SETD8 (2.2)	RANBP10 (2.2)	CKAP5 (2.1)
RNF214 (3.2)	PAFAH1B2 (3.1)	AMFR (3.1)	BBS2 (2.8)	UBR1 (2.6)
RBM6 (2.3)	KPNB1 (2.2)	ENSG00000226334 (2	MBD1 (1.8)	NUTF2 (1.8)
PACSIN3 (2.8)	DUSP3 (2.7)	SPG11 (2.5)	AFF1 (2.5)	ZNF664 (2.4)
C11orf9 (2.5)	DOK4 (2.5)	EYA3 (2.4)	KIAA0895L (2.3)	TUBGCP4 (2.2)
NUP160 (3.4)	BAZ1B (3.1)	CTDSPL2 (3.0)	SKA1 (2.9)	TUBGCP4 (2.8)
STRC (3.2)	CX3CL1 (2.6)	PPP1R1B (2.4)	ENSG00000182109 (2	SLC12A4 (2.2)
MTCH2 (3.9)	PTPMT1 (3.1)	CIAPIN1 (2.7)	PPIP5K1 (2.6)	ACAA2 (2.6)
TUBGCP4 (2.3)	PSMC3 (2.3)	DCPS (2.3)	CXXC1 (2.2)	GPN2 (2.1)
DNAH10 (2.2)	ARHGAP1 (2.2)	PACSIN3 (2.2)	ZFAND2A (2.2)	BCL7B (2.2)
CX3CL1 (3.0)	NEUROD2 (2.7)	C1QTNF4 (2.7)	CELF1 (2.5)	GPER (2.4)
PRMT7 (3.5)	E2F4 (3.0)	YDJC (2.9)	MFAP1 (2.7)	EIF3J (2.6)
ERBB2 (4.4)	PCIF1 (3.9)	MED1 (3.7)	ARID1A (3.5)	GRB7 (3.5)
TMED5 (3.6)	KCTD19 (3.1)	G6PC3 (3.1)	PCSK7 (3.1)	TMEM101 (3.0)

NUDT21 (3.2)	ACD (2.9)	UBE2L3 (2.9)	RBM5 (2.7)	RBM6 (2.6)
NAGS (2.4)	ACAA2 (2.3)	COQ9 (2.3)	OR5L2 (2.2)	PDHB (2.2)
GFOD2 (2.8)	XKR8 (2.7)	PGS1 (2.6)	ST3GAL4 (2.4)	TP53BP1 (2.3)
ATG13 (2.9)	SDF2L1 (2.8)	PDIA3 (2.8)	ENSG00000247445 (2	HERPUD1 (2.5)
ENSG00000256746 (1	SLC7A6 (1.8)	PDE3A (1.8)	MYO1H (1.8)	DYM (1.8)
C12orf43 (3.3)	MON1A (3.2)	DCPS (3.1)	PCIF1 (2.9)	ARFGAP2 (2.9)
CCDC92 (2.4)	TGM5 (2.2)	KCTD10 (2.1)	SNORD58C (2.1)	MON1A (2.1)
C12orf43 (3.1)	PRMT7 (3.0)	GPN2 (2.8)	NUP160 (2.7)	C7orf50 (2.5)
C16orf48 (3.8)	DDB2 (3.8)	NUP160 (3.5)	BAZ1B (3.5)	ACD (3.5)
CELSR2 (2.9)	TRNP1 (2.3)	DGKG (2.3)	SLC9A5 (2.3)	PPIP5K1 (2.3)
TRNP1 (2.6)	PTPRZ1 (2.4)	PGAP3 (2.3)	ENSG00000223745 (2	REEP3 (2.0)
TRNP1 (2.6)	PTPRZ1 (2.4)	PGAP3 (2.3)	ENSG00000223745 (2	REEP3 (2.0)
ENSG00000179523 (2	LIPG (2.4)	ZNF615 (2.4)	ENSG00000247867 (2	OR5J2 (2.1)
MBD1 (3.6)	SNORD58C (3.2)	SPI1 (3.2)	CBFB (3.1)	ARID1A (3.0)
TMEM208 (4.6)	PIGV (3.8)	TBL2 (3.7)	CLPTM1 (3.2)	SDF2L1 (3.1)
ENSG00000247867 (2	FZD9 (2.0)	COX19 (1.9)	KCTD6 (1.7)	DNAH10 (1.7)
RBPJ (1.7)	C12orf43 (1.7)	ABCA1 (1.7)	KPNB1 (1.7)	ENSG00000226334 (1
MPP2 (3.7)	C1QTNF4 (3.2)	CELSR2 (3.2)	CX3CL1 (2.9)	MAP1A (2.7)
ENSG00000254235 (2	OR4A21P (2.1)	ABCB9 (2.1)	LRRC29 (2.0)	STRC (1.9)
ABCA8 (3.3)	PGAP3 (3.1)	SPI1 (2.5)	GRB7 (2.2)	MED1 (2.1)
LIPG (2.8)	GNAO1 (2.6)	DGKG (2.5)	FRMD5 (2.4)	KIAA0895L (2.3)
MAP1A (3.1)	BACE1 (3.0)	PDHB (2.9)	ATG13 (2.8)	PSMC3 (2.7)
ST3GAL4 (2.1)	ZNF613 (2.1)	RSPRY1 (2.1)	PSMB10 (2.1)	PLEKHG4 (2.0)
DPEP2 (2.7)	UVRAG (2.4)	RLTPR (2.4)	TRADD (2.2)	SNX10 (2.2)
SOST (2.1)	LPA (2.1)	TECTB (2.0)	OR4A21P (2.0)	COBLL1 (2.0)
ZNF259 (3.5)	EIF3J (3.3)	BUD13 (3.1)	CCDC116 (3.1)	DDX28 (3.0)
PXK (3.0)	HERPUD1 (2.9)	SDF2L1 (2.9)	HARBI1 (2.9)	SLC39A13 (2.8)
TRPS1 (2.1)	ZDHHC18 (2.1)	PGS1 (1.9)	RLTPR (1.8)	SPI1 (1.8)
RLTPR (3.0)	AGBL2 (2.8)	CCDC11 (2.7)	CD40 (2.5)	OR4A21P (2.4)
PDE3A (2.7)	OR5J2 (2.5)	PLA2G6 (2.2)	MYBPC3 (2.1)	SIDT2 (1.9)
CTDSPL2 (2.4)	ST3GAL4 (2.4)	PAFAH1B2 (2.3)	WDR76 (2.3)	NRBF2 (2.3)
LRP4 (2.6)	C19orf80 (2.5)	PLTP (2.3)	PTPRZ1 (2.3)	C17orf57 (2.2)
MVK (3.3)	CYP26A1 (3.1)	FADS2 (3.0)	LRP4 (3.0)	MT1M (2.8)
MT1X (2.3)	CMIP (2.2)	MT1G (1.9)	MT1F (1.9)	E2F4 (1.8)
C12orf43 (2.5)	DR1 (2.2)	SNORD58C (2.2)	ARID1A (2.2)	ZNF259 (2.1)
B3GNT9 (2.6)	PTPRZ1 (2.3)	MAP1A (2.0)	TMEM175 (1.9)	ADAL (1.9)
BUD13 (3.2)	MFAP1 (3.1)	SLC7A6OS (2.8)	CXXC1 (2.8)	NCOA5 (2.8)
BUD13 (3.2)	MFAP1 (3.1)	SLC7A6OS (2.8)	CXXC1 (2.8)	NCOA5 (2.8)
SNX13 (2.5)	RELB (2.2)	ENSG00000229043 (2	SIK3 (2.1)	RAB11B (2.1)
DOCK6 (2.2)	ABCA8 (2.2)	BAZ1B (2.0)	FZD9 (1.9)	OR4A21P (1.7)
KPNB1 (2.9)	CKAP5 (2.9)	HERPUD1 (2.9)	NDUFS3 (2.3)	MACF1 (2.2)
CYP26A1 (2.8)	CCDC116 (2.0)	KCTD6 (2.0)	TSNAXIP1 (2.0)	AGBL2 (1.7)
ABHD6 (2.8)	DDX28 (2.7)	C16orf70 (2.7)	UBE3B (2.6)	ERBB2 (2.5)
FADS1 (1.9)	APOB (1.8)	C1QTNF4 (1.8)	CPS1 (1.7)	MVK (1.7)
CKAP5 (2.8)	CCNDBP1 (2.5)	NUDT21 (2.4)	NCOA5 (2.4)	CTDSPL2 (2.3)
TMEM175 (2.6)	ACP2 (2.2)	B3GNT9 (2.1)	TMED5 (2.0)	SPG11 (2.0)
RLTPR (2.4)	ENSG00000256746 (2	ENSG00000181123 (2	TTC39B (2.1)	LRRC29 (2.1)
ETV5 (3.2)	PDE3A (2.8)	MYBPC3 (2.4)	SIDT2 (2.2)	SOST (2.2)
MT1X (3.1)	LILRA3 (2.7)	HARBI1 (2.7)	CDK12 (2.6)	C17orf57 (2.6)
SPRYD5 (2.3)	OR5J2 (2.1)	MT1M (1.9)	GPIHBP1 (1.9)	ENSG00000229043 (1

XKR8 (2.5)	ZSCAN29 (2.5)	SPG11 (2.4)	KCTD10 (2.2)	HARBI1 (2.1)
KANK2 (3.7)	TCAP (3.3)	KIAA0754 (3.1)	KCTD10 (3.1)	FHOD1 (2.9)
ENSG00000247445 (3	C7orf50 (3.1)	DCPS (2.9)	OR5I1 (2.7)	CCNDBP1 (2.5)
TGM7 (2.6)	CETP (2.2)	ENSG00000254235 (2	LRP4 (2.1)	OR5I1 (2.1)
TRNP1 (2.5)	ABCA1 (2.3)	SLC12A3 (2.1)	AMFR (2.1)	MPP2 (2.0)
OASL (2.1)	ST3GAL4 (2.1)	PSMB10 (2.0)	GFOD2 (1.8)	COX19 (1.7)
OASL (2.1)	ST3GAL4 (2.1)	PSMB10 (2.0)	GFOD2 (1.8)	COX19 (1.7)
FBXL20 (3.2)	GPN2 (3.1)	KBTBD4 (3.1)	GRB7 (2.9)	ARID1A (2.9)
SOST (2.3)	ENSG00000247867 (2	CSGALNACT1 (2.3)	BMP8A (2.1)	TECTB (2.0)
CETP (2.6)	ENSG00000226334 (2	ABCB9 (2.0)	COBLL1 (2.0)	CPS1 (1.8)
OR5J2 (2.6)	TRPS1 (2.3)	BMP8A (2.3)	TGM7 (2.2)	CYP26A1 (2.1)
LRP4 (3.0)	TMEM101 (3.0)	SMPD3 (2.9)	TRPS1 (2.7)	TGM7 (2.4)
ARHGAP1 (3.1)	KCTD10 (2.8)	SLC12A4 (2.7)	FRMD5 (2.7)	BCAM (2.6)
ZDHHC18 (2.6)	CD40 (2.6)	OR5L2 (2.3)	ZNF613 (2.3)	ENSG00000247445 (2
DGKG (2.5)	FRMD5 (2.5)	SCARB1 (2.4)	TP53BP1 (2.3)	LRRC29 (2.2)
CENPT (2.5)	CKAP5 (2.5)	RAB11B (2.5)	E2F4 (2.4)	NCOA5 (2.3)
RSPO3 (2.5)	TMEM101 (2.2)	GALNT2 (2.1)	LILRA3 (2.0)	BCAM (1.9)
DYM (2.9)	SNORD58C (2.8)	DR1 (2.8)	NCOA5 (2.5)	YDJC (2.3)
B3GNT9 (2.7)	EPB42 (2.7)	EXOC3L1 (2.6)	CMIP (2.6)	RAB11B (2.5)
KPNB1 (2.5)	PDIA3 (2.5)	NUP93 (2.3)	RBPJ (2.2)	RBM5 (2.1)
ZNF335 (2.9)	FHOD1 (2.8)	UVRAG (2.7)	DOCK6 (2.4)	RLTPR (2.3)
DGKG (2.5)	MAP1A (2.5)	MPP3 (2.4)	RLTPR (2.4)	C1QTNF4 (2.4)
RAPSN (2.5)	TTC39B (2.4)	DUSP3 (2.3)	NEUROD2 (2.2)	GNAO1 (2.1)
RELB (2.4)	C11orf49 (2.4)	AGBL2 (2.3)	MACF1 (2.3)	MFAP1 (2.2)
CCNDBP1 (2.1)	CD36 (2.1)	HSF4 (2.1)	ENSG00000226645 (2	NUTF2 (2.0)
CLPTM1 (2.7)	CX3CL1 (2.4)	PPP1R1B (2.2)	SLC22A1 (2.0)	LCAT (1.9)
C1QTNF4 (3.0)	HERPUD1 (2.9)	PPY (2.5)	CELSR2 (2.2)	C18orf32 (2.1)
PRMT7 (3.2)	ZNF259 (3.2)	C16orf70 (2.9)	CCNDBP1 (2.9)	PSMC3 (2.7)
TRNP1 (1.8)	ZDHHC18 (1.8)	STRC (1.7)	CSGALNACT1 (1.7)	DUSP3 (1.6)
C1orf172 (2.3)	CCDC11 (2.2)	GRB7 (2.0)	CYP26A1 (1.8)	SOST (1.7)
ENSG00000223745 (2	LRP4 (2.3)	DOCK6 (2.3)	SOST (2.2)	GPIHBP1 (2.1)
SBNO1 (3.3)	TP53BP1 (3.3)	MFAP1 (3.0)	KBTBD4 (2.9)	CCNDBP1 (2.9)
NUTF2 (2.2)	HERPUD1 (2.2)	YDJC (2.1)	ENSG00000223745 (2	PLG (2.0)
MTCH2 (3.2)	CIAPIN1 (2.8)	PPIP5K1 (2.7)	PGS1 (2.5)	ADAL (2.2)
PRMT7 (2.4)	NLRC5 (2.2)	AMFR (2.2)	CITED2 (2.2)	CXXC1 (2.1)
TAGLN (2.7)	KCTD10 (2.6)	PCSK7 (2.6)	RANBP10 (2.5)	KIAA0754 (2.2)
ENSG00000255507 (2	LILRA3 (2.3)	LILRB2 (2.2)	NAGS (2.2)	LRRC29 (2.1)
NFATC3 (3.0)	TUBGCP4 (3.0)	CENPT (2.7)	MFAP1 (2.7)	CTDSPL2 (2.7)
NUP93 (2.9)	EDC4 (2.8)	CTDSPL2 (2.6)	INTS10 (2.4)	KPNB1 (2.3)
COBLL1 (2.4)	SLC12A3 (2.4)	GRB7 (2.4)	RAPSN (2.3)	C1orf172 (2.2)
ARID1A (2.5)	NFATC3 (2.5)	CPNE2 (2.4)	CLPTM1 (2.3)	CBFB (2.3)
NUP160 (2.8)	RBM6 (2.7)	NUDT21 (2.7)	ZNF613 (2.7)	NUP93 (2.6)
NUDT21 (3.1)	RSPRY1 (2.7)	DDX28 (2.4)	PLEKHG4 (2.2)	FBXL20 (2.2)
CCDC92 (2.5)	UBE3B (2.4)	MT1M (2.4)	HSF4 (2.3)	MYO1H (2.3)
NPEPPS (2.9)	RANBP10 (2.9)	SBNO1 (2.8)	FBXL20 (2.5)	PAFAH1B2 (2.5)
C17orf57 (2.5)	MT1M (2.4)	MT1X (2.2)	MT1G (2.1)	MT1E (1.9)
EPB42 (2.2)	MYBPC3 (2.2)	PLG (2.1)	C1QTNF4 (2.1)	KCTD6 (2.0)
PDE3A (2.6)	PAFAH1B2 (2.6)	MAP1A (2.2)	PPP1R1B (2.2)	FRMD5 (2.1)
MYO5B (2.5)	ENSG00000247445 (2	CYP26A1 (2.3)	ZNF613 (2.3)	C11orf9 (2.1)
ZNF408 (2.4)	ENSG00000226334 (2	NRBF2 (2.2)	HARBI1 (2.1)	ENSG00000179523 (2

OGFOD1 (2.6)	C12orf43 (2.6)	C7orf50 (2.6)	SNORD58C (2.6)	KPNB1 (2.3)
KANK2 (3.2)	PDE3A (3.1)	GPER (3.0)	TAGLN (2.9)	MYBPC3 (2.4)
PDIA3 (2.3)	BAZ1B (2.1)	KIAA0895L (2.0)	KCTD10 (1.9)	OR5J2 (1.9)
LSM12 (3.2)	UBE2L3 (3.2)	DCPS (3.1)	KPNB1 (3.0)	NUP93 (2.7)
CCL22 (3.2)	ZDHHC18 (3.1)	SPI1 (2.5)	SLC7A6 (2.5)	BCL3 (2.5)
EIF3J (2.5)	RBM6 (2.5)	PRMT7 (2.4)	C12orf43 (2.4)	ENSG00000226645 (2
MT1H (2.2)	GFOD2 (2.2)	MFAP1 (2.1)	PIGV (2.1)	C16orf86 (2.0)
NEUROD2 (3.2)	CCDC116 (2.9)	SMPD3 (2.8)	KIAA0895L (2.8)	HARBI1 (2.8)
MTCH2 (4.1)	PTPMT1 (2.8)	TMEM208 (2.8)	C18orf32 (2.5)	PPIP5K1 (2.4)
CIAPIN1 (2.5)	ACAA2 (2.5)	SNORD58C (2.5)	OGFOD1 (2.3)	ZFAND2A (2.3)
PCIF1 (3.7)	KBTBD4 (3.4)	PGAP3 (2.9)	BAZ1B (2.9)	CDK12 (2.8)
ABCA8 (2.3)	SOST (2.2)	BCAM (2.1)	RSPO3 (2.1)	GRB7 (2.0)
ZFAND2A (2.2)	JMJD1C (2.0)	PLA2G15 (1.9)	PYY (1.7)	UBE3B (1.7)
SDF2L1 (3.4)	HERPUD1 (3.1)	PCSK7 (3.1)	HARBI1 (3.0)	SLC39A13 (3.0)
AGBL2 (2.7)	TRIB1 (2.7)	ZNF408 (2.6)	ATG13 (2.5)	ZNF664 (2.4)
DGKG (3.2)	MPP2 (3.1)	GNAO1 (2.8)	MPP3 (2.7)	RLTPR (2.4)
FAM192A (3.3)	CTDSPL2 (3.3)	NUP160 (3.2)	ACD (3.2)	SLC7A6OS (3.1)
C17orf57 (2.2)	TRADD (2.1)	SPRYD5 (2.1)	RLTPR (2.1)	ENSG00000226645 (2
GPIHBP1 (2.7)	NEUROD2 (2.5)	CD300LG (2.4)	CETP (2.4)	CELF1 (2.3)
PRMT7 (3.2)	C7orf50 (3.1)	POLR2C (3.1)	FAM192A (3.1)	ST3GAL4 (2.9)
PRMT7 (3.2)	C7orf50 (3.1)	POLR2C (3.1)	FAM192A (3.1)	ST3GAL4 (2.9)
PDE3A (2.9)	SEC14L4 (2.6)	BAZ1B (2.5)	MYBPC3 (2.2)	RSPO3 (2.2)
CCDC116 (2.6)	TGM5 (2.6)	ENSG00000223745 (2	SPRYD5 (2.5)	OR5J2 (2.4)
RANBP10 (2.4)	C12orf65 (2.2)	PCSK7 (2.2)	COQ9 (2.1)	MT1E (2.1)
DYM (3.1)	FBXL20 (3.0)	SBNO1 (2.9)	MTMR3 (2.9)	RANBP10 (2.9)
ELMO3 (3.8)	PVRL2 (3.6)	ZNF664 (3.6)	GRB7 (3.6)	GPIHBP1 (3.0)
ELMO3 (3.8)	PVRL2 (3.6)	ZNF664 (3.6)	GRB7 (3.6)	GPIHBP1 (3.0)
FEN1 (4.1)	MPHOSPH9 (4.1)	CCDC18 (3.8)	CENPT (3.8)	WDR76 (2.6)
RBPJ (2.5)	BUD13 (2.4)	MAFF (2.4)	NPEPPS (2.2)	ENSG00000182109 (2
HARBI1 (2.4)	RNF214 (2.3)	CES4A (2.1)	ATG13 (2.1)	TRADD (2.1)
HARBI1 (2.4)	RNF214 (2.3)	CES4A (2.1)	ATG13 (2.1)	TRADD (2.1)
HARBI1 (2.4)	RNF214 (2.3)	CES4A (2.1)	ATG13 (2.1)	TRADD (2.1)
NLRC5 (2.2)	CATSPER2 (2.2)	CCL17 (2.2)	TTBK2 (2.0)	PSMB10 (1.9)
SKA1 (3.5)	CTDSPL2 (3.1)	CKAP5 (2.9)	DDB2 (2.8)	NUP160 (2.8)
CKAP5 (3.8)	MPHOSPH9 (3.7)	FEN1 (3.1)	CBFB (2.4)	SETD8 (2.2)
DGKG (3.3)	SOST (3.0)	HSF4 (2.9)	RSPO3 (2.8)	MAFF (2.5)
SMPD3 (2.4)	ENSG00000181123 (2	CCDC92 (2.4)	CXXC1 (2.3)	MAP1A (2.3)
TRIB1 (2.6)	DOCK6 (2.5)	TGM5 (2.3)	EXOC3L1 (2.3)	GLUL (2.3)
C7orf50 (2.4)	HARBI1 (2.4)	ZNF408 (2.4)	YDJC (2.4)	MFAP1 (2.4)
TGM5 (2.7)	DOK4 (2.6)	FZD9 (2.6)	PPIP5K1 (2.4)	TTC39B (2.4)
DYM (3.7)	CXXC1 (2.9)	ABCA1 (2.6)	CBFB (2.6)	CCDC11 (2.6)
BCL7B (2.4)	DR1 (2.3)	ZNF615 (2.2)	SBNO1 (2.0)	MTF2 (2.0)
MYBPC3 (2.7)	ENSG00000256746 (2	KIAA0754 (2.3)	CYP26A1 (2.1)	ZNF408 (2.0)
CCNDBP1 (3.0)	CD36 (2.4)	ENSG00000229043 (2	SEC14L4 (1.9)	HNF4A (1.8)
CX3CL1 (2.6)	PPP1R1B (2.3)	GPER (2.3)	PLG (2.0)	PTPRZ1 (1.9)
MPP2 (2.4)	MVK (2.1)	ENSG00000256746 (2	SBNO1 (2.0)	CKAP5 (2.0)
NCOA5 (2.4)	C12orf43 (2.3)	ZNF408 (2.1)	MED1 (2.1)	FNBP4 (2.0)
NUTF2 (2.2)	SBNO1 (2.1)	KCTD10 (2.1)	PDIA3 (2.0)	OR4A21P (1.9)
KBTBD4 (2.4)	C12orf65 (2.3)	RELB (2.3)	COX19 (2.3)	CITED2 (2.2)
COQ9 (2.4)	RBM5 (2.3)	ABCA1 (2.1)	ABCB9 (2.1)	CPNE2 (2.0)

OGFOD1 (2.9)	C16orf70 (2.6)	IGF2R (2.4)	PRMT7 (2.4)	DUSP3 (2.3)
HCAR1 (2.7)	CKAP5 (2.5)	ENSG00000226645 (2	TCAP (2.4)	BAZ1B (2.3)
MACF1 (2.9)	RBM6 (2.8)	ARHGAP1 (2.8)	KCTD10 (2.6)	SNORD58C (2.4)
MACF1 (2.9)	RBM6 (2.8)	ARHGAP1 (2.8)	KCTD10 (2.6)	SNORD58C (2.4)
ZDHHC18 (2.5)	CD40 (2.5)	RLTPR (2.4)	SIK3 (2.3)	SPRYD5 (2.3)
CCDC116 (1.9)	EXOC3L1 (1.8)	LILRB2 (1.8)	LILRA3 (1.8)	OR5I1 (1.8)
RNF214 (2.9)	SEC14L4 (2.8)	PAFAH1B2 (2.4)	ZSCAN29 (2.3)	ETV5 (2.0)
MTCH2 (2.5)	ZFAND2A (2.4)	EIF3J (2.4)	DCPS (2.4)	FADS1 (2.2)
CD300LG (2.5)	GPR146 (2.4)	BCAM (2.2)	DGAT2 (2.0)	HCAR1 (2.0)
PPP1R1B (2.9)	IGF2R (2.6)	HSF4 (2.5)	MPP2 (2.4)	MT1M (2.2)
SLC7A6OS (2.8)	EIF3J (2.5)	NUP160 (2.3)	LCMT2 (2.2)	ZNF408 (2.1)
AFF1 (2.7)	HERPUD1 (2.4)	STRC (2.3)	SNX13 (2.2)	TTC39B (2.1)
AFF1 (2.5)	PSMB10 (2.5)	DOK4 (2.4)	ARHGAP1 (2.4)	STRC (2.2)
FRMD5 (3.5)	COQ9 (2.7)	PLTP (2.2)	AFF1 (2.1)	ERBB2 (1.8)
CENPT (2.6)	PCSK7 (2.4)	TMEM175 (2.2)	MACF1 (2.2)	GNAO1 (2.1)
PGAP3 (3.2)	EXOC3L1 (3.2)	ENSG00000255507 (2	PNMT (2.7)	AFF1 (2.5)
PVRL2 (4.1)	GRB7 (4.1)	ELMO3 (4.0)	BCAM (3.6)	ZNF664 (3.2)
G6PC3 (2.2)	CITED2 (2.0)	KLHL8 (1.9)	WDR76 (1.9)	C16orf86 (1.9)
MT1H (2.4)	MT1X (2.3)	COBLL1 (2.2)	MT1E (2.2)	ELMO3 (2.1)
SNX10 (3.6)	PSMB10 (3.2)	CCL17 (2.8)	PPY (2.8)	CTRL (2.2)
CD36 (4.5)	CETP (2.3)	CCNDBP1 (2.0)	DPEP2 (1.9)	XKR8 (1.9)
CD40 (2.5)	CLPTM1 (2.4)	PSMB10 (2.3)	ARHGAP1 (2.2)	MAFF (2.2)
STRC (2.3)	SIDT2 (2.1)	KANK2 (2.0)	PDE3A (2.0)	FHOD1 (1.9)
NCOA5 (2.7)	SETD8 (2.6)	CELF1 (2.5)	CATSPER2 (2.4)	FAM192A (2.4)
TSNAXIP1 (3.2)	ZNF259 (3.0)	CITED2 (2.8)	CCDC11 (2.7)	MON1A (2.7)
TSNAXIP1 (3.2)	ZNF259 (3.0)	CITED2 (2.8)	CCDC11 (2.7)	MON1A (2.7)
ENSG00000223745 (2	KCTD19 (2.7)	HSF4 (2.6)	ENSG00000255507 (2	ENSG00000226334 (2
TUBGCP4 (3.1)	ENSG00000179523 (2	ENSG00000226334 (2	C12orf43 (2.3)	TMED5 (2.2)
CCL22 (3.2)	CD40 (2.8)	PVRL2 (2.6)	PYY (2.5)	OASL (2.5)
BBS2 (2.3)	RBPJ (2.3)	MIEN1 (2.3)	FAM192A (2.3)	SLC7A6OS (2.2)
BBS2 (2.3)	RBPJ (2.3)	MIEN1 (2.3)	FAM192A (2.3)	SLC7A6OS (2.2)
KPNB1 (3.0)	EIF3J (3.0)	PDIA3 (2.9)	HERPUD1 (2.9)	CLPTM1 (2.8)
C12orf43 (2.7)	PRMT7 (2.6)	OGFOD1 (2.6)	NUP160 (2.6)	SLC7A6OS (2.4)
CDK12 (2.8)	MIEN1 (2.8)	UBE2L3 (2.7)	BCL7B (2.5)	KBTBD4 (2.4)
UVRAG (2.7)	ZNF335 (2.7)	FHOD1 (2.7)	MACF1 (2.4)	RLTPR (2.3)
HNF4A (3.2)	TCAP (2.9)	C11orf9 (2.8)	PDIA3 (2.6)	SMPD3 (2.5)
TOMM40 (2.2)	INTS10 (2.1)	PRMT7 (2.1)	ZNF335 (2.1)	SLC12A3 (2.0)
PPP1R1B (3.0)	CX3CL1 (2.8)	CCL22 (2.8)	PITPNM2 (2.7)	CCL17 (2.6)
TECTB (3.4)	OR4A21P (3.2)	MON1A (2.8)	C1QTNF4 (2.5)	SMPD3 (2.2)
ENSG00000181123 (3	ENSG00000255507 (2	C17orf57 (2.9)	CD300LG (2.9)	HCAR1 (2.7)
SKA1 (4.0)	TMEM175 (3.9)	MPHOSPH9 (3.2)	CCDC18 (2.9)	FEN1 (2.8)
BAZ1B (2.9)	MST1R (2.6)	SKA1 (2.5)	MTF2 (2.4)	PGAP3 (2.1)
DUSP3 (3.1)	C16orf70 (3.0)	IGF2R (3.0)	SNX10 (2.9)	OGFOD1 (2.7)
ENSG00000247445 (2	DUS2L (2.3)	NLRC5 (2.2)	KLF14 (2.2)	NR1H3 (2.1)
ENSG00000247445 (2	DUS2L (2.3)	NLRC5 (2.2)	KLF14 (2.2)	NR1H3 (2.1)
GPN2 (2.9)	SNORD58C (2.8)	C7orf50 (2.7)	CELF1 (2.6)	BUD13 (2.5)
NPEPPS (3.0)	SIK3 (2.9)	TP53BP1 (2.9)	RANBP10 (2.7)	MTMR3 (2.7)
CD40 (2.6)	APOC1 (2.4)	APOE (2.4)	SPI1 (2.2)	LILRB2 (1.9)
TMEM208 (3.4)	ENSG00000226334 (3	TBL2 (3.0)	SNORD58C (2.7)	TMEM101 (2.5)
KANK2 (2.2)	DOCK6 (2.1)	TRNP1 (2.0)	HNF4A (2.0)	SLC39A13 (1.9)

ZSCAN29 (3.1)	C11orf49 (3.0)	ZNF335 (2.5)	ZNF664 (2.5)	KBTBD4 (2.4)
DUSP3 (2.3)	OR5I1 (2.2)	CCDC92 (2.1)	STRC (1.8)	B3GNT9 (1.8)
LILRA3 (2.5)	NFATC3 (2.3)	BCL3 (2.2)	ZDHHC18 (2.1)	TBKBP1 (1.9)
BCAM (2.8)	OR4A21P (2.7)	APOA1 (2.6)	CYP26A1 (2.5)	BMP8A (2.5)
NUP93 (2.9)	FEN1 (2.9)	PRMT7 (2.8)	BAZ1B (2.8)	ACD (2.6)
CMIP (2.3)	SPRYD5 (2.3)	PPP1R1B (2.3)	DUS2L (2.2)	PGAP3 (2.1)
MACF1 (2.5)	MPP2 (2.4)	C11orf9 (2.4)	KCTD10 (2.3)	TRNP1 (2.2)
HSF4 (2.9)	KIAA0754 (2.6)	PACSIN3 (2.3)	IGF2R (2.3)	BCAM (2.2)
WDR76 (3.4)	TRADD (3.2)	NFATC3 (3.1)	C16orf48 (3.1)	UBR1 (3.0)
ZNF613 (2.8)	FHOD1 (2.7)	MAP1A (2.6)	C1QTNF4 (2.4)	PITPNM2 (2.3)
ZFAND2A (2.1)	DCPS (2.0)	MTMR3 (2.0)	C7orf50 (2.0)	CELSR2 (1.9)
FZD9 (2.4)	MAP1A (2.2)	PTPRZ1 (2.1)	NEUROD2 (2.1)	FRMD5 (1.9)
ACP2 (2.3)	DDB2 (2.1)	PITPNM2 (2.1)	LILRA3 (2.1)	ZDHHC18 (2.0)
SPI1 (2.8)	CENPT (2.8)	SETD8 (2.7)	TRPS1 (2.7)	RLTPR (2.5)
ARID1A (2.2)	CITED2 (2.1)	DR1 (2.0)	NCOA5 (2.0)	RAB11B (2.0)
KCTD19 (2.3)	C16orf86 (2.1)	ENSG00000226334 (2	CYP26A1 (1.9)	AMFR (1.9)
SMPD3 (2.3)	C11orf49 (2.1)	TMEM62 (2.1)	RLTPR (2.0)	ENSG00000181123 (2
ENSG00000226645 (2	MST1R (2.2)	NAGS (2.0)	C1orf172 (2.0)	ELMO3 (1.9)
CCDC11 (4.1)	TSNAXIP1 (3.8)	MAP1A (3.6)	CENPT (3.5)	TP53BP1 (3.4)
SKA1 (3.5)	CXXC1 (3.4)	GPER (2.7)	C7orf50 (2.5)	CENPT (2.5)
FBXL20 (2.8)	AMFR (2.7)	ATG13 (2.7)	CITED2 (2.4)	CCNDBP1 (2.3)
BCAM (3.5)	MYBPC3 (2.3)	MPP3 (2.0)	MST1R (2.0)	MAP1A (1.9)
SLC7A6 (2.4)	GPAM (2.4)	ENSG00000247867 (2	DGAT2 (2.0)	C19orf80 (2.0)
G6PC3 (3.8)	MIEN1 (3.3)	ENSG00000223745 (2	PGAP3 (2.8)	LRRC29 (2.7)
ZNF259 (2.3)	MADD (2.3)	PAFAH1B2 (2.3)	PXK (2.2)	SPG11 (2.2)
SLC12A4 (3.0)	DOCK6 (2.8)	KANK2 (2.6)	SLC7A6 (2.5)	EXOC3L1 (2.4)
SKA1 (4.2)	NUP160 (3.8)	MTF2 (3.3)	CTDSPL2 (3.0)	BAZ1B (2.8)
RBM5 (2.7)	DOCK6 (2.5)	GFOD2 (2.1)	NCOA5 (2.0)	GPIHBP1 (2.0)
TOMM40 (3.1)	PRMT7 (3.0)	ZNF335 (2.9)	CXXC1 (2.9)	C12orf43 (2.7)
C11orf9 (2.9)	SPG11 (2.5)	UVRAG (2.5)	TRNP1 (2.4)	ESRP2 (2.3)
TECTB (3.3)	OR4A21P (3.2)	MON1A (2.8)	C1QTNF4 (2.6)	ENSG00000247867 (2
PVRL2 (1.9)	TBKBP1 (1.9)	FZD9 (1.9)	PTPRZ1 (1.8)	HSF4 (1.8)
SPI1 (3.0)	LILRB2 (2.7)	CETP (2.6)	LILRA3 (2.3)	DUS2L (2.3)
TBKBP1 (2.2)	ENSG00000181296 (2	EYA3 (2.0)	KCTD6 (2.0)	CCDC92 (2.0)
ENSG00000247445 (2	CD40 (2.1)	LILRB2 (1.8)	OR4A21P (1.7)	RLTPR (1.7)
TAGLN (2.9)	BCAM (2.6)	KIAA0754 (2.5)	DOK4 (2.4)	PACSIN3 (2.2)
C18orf32 (2.6)	SLC7A6OS (2.4)	RBPJ (2.4)	ZNF259 (2.4)	SBNO1 (2.3)
EIF3J (3.1)	AMFR (3.0)	TMEM208 (2.9)	PRMT7 (2.9)	MTCH2 (2.7)
TMEM175 (2.0)	ENSG00000223745 (1	RSPRY1 (1.9)	BCL7B (1.9)	TMEM101 (1.8)
ENSG00000182109 (2	GPER (2.3)	BMP8A (2.2)	CPNE2 (2.1)	BBS2 (2.1)
ZNF664 (2.8)	DOCK6 (2.7)	UBE2L3 (2.6)	DOK4 (2.6)	BAZ1B (2.3)
NUP93 (2.5)	KPNB1 (2.5)	NUTF2 (2.3)	PTPRJ (2.0)	NPEPPS (2.0)
TRIB1 (2.2)	MPHOSPH9 (1.9)	CITED2 (1.8)	OR4A1P (1.7)	WDR76 (1.7)
LCAT (2.4)	FRMD5 (2.3)	ABCA8 (2.2)	TRNP1 (2.1)	TCAP (2.1)
MTCH2 (3.4)	PPIP5K1 (2.7)	COX19 (2.3)	MYBPC3 (2.1)	NR0B2 (2.0)
POLR2C (2.0)	PSMC3 (2.0)	ZNF335 (2.0)	C12orf43 (1.8)	ARFGAP2 (1.8)
DUSP3 (2.9)	NAGS (2.9)	DOCK6 (2.8)	GPIHBP1 (2.8)	PCSK7 (2.8)
MBD1 (2.5)	ST3GAL4 (2.4)	DPEP2 (2.4)	MFAP1 (2.3)	BCL3 (2.2)
BAZ1B (3.5)	SPG11 (3.4)	NUP160 (3.3)	DDB2 (3.3)	DCPS (3.0)
PRMT7 (3.1)	NUP160 (2.9)	SNORD58C (2.9)	INTS10 (2.8)	CXXC1 (2.7)

KLHL8 (2.8)	UVRAG (2.7)	MON1A (2.4)	DYM (2.4)	C17orf105 (2.3)
KLHL8 (2.8)	UVRAG (2.7)	MON1A (2.4)	DYM (2.4)	C17orf105 (2.3)
DDB2 (3.9)	SKA1 (3.7)	NUDT21 (3.6)	BAZ1B (3.6)	C16orf48 (3.5)
CCDC92 (2.3)	ENSG00000247867 (2	STRC (2.2)	HSF4 (2.0)	C16orf70 (2.0)
ZNF259 (3.6)	TOMM40 (3.4)	KPNB1 (3.3)	MTCH2 (2.7)	NUTF2 (2.7)
TMED5 (2.6)	TOMM40 (2.6)	PDIA3 (2.5)	KPNB1 (2.2)	TBL2 (2.2)
SOST (2.5)	B3GNT9 (2.5)	PLTP (2.3)	BACE1 (2.2)	CX3CL1 (2.2)
HARBI1 (4.1)	RANBP10 (4.1)	HDAC5 (4.0)	ZFAND2A (3.5)	ZNF408 (3.0)
PITPNM2 (2.5)	KLHL8 (2.4)	ENSG00000254235 (2	MPP3 (2.1)	TUBGCP4 (2.1)
MTCH2 (1.9)	SCARB1 (1.8)	KIAA0754 (1.7)	NR0B2 (1.7)	C16orf48 (1.6)
DDX28 (3.0)	DUS2L (2.9)	HARBI1 (2.9)	LCMT2 (2.9)	DR1 (2.9)
CCDC116 (2.5)	RBM5 (2.3)	IGF2R (2.2)	CBFB (2.1)	ARID1A (2.0)
CX3CL1 (3.0)	CITED2 (2.9)	BCAM (2.5)	NR0B2 (2.3)	SLC12A3 (2.3)
PTPMT1 (2.4)	DNAH10 (2.3)	CCDC11 (2.2)	PCSK7 (2.0)	SLC7A6OS (2.0)
PPP1R1B (2.0)	GNAO1 (2.0)	CYP26A1 (1.9)	ATG13 (1.9)	THAP11 (1.8)
LCMT2 (1.9)	FEN1 (1.8)	ETV5 (1.7)	BUD13 (1.6)	FADS1 (1.6)
UBE3B (2.6)	ENSG00000255507 (2	CCNDBP1 (2.3)	C16orf70 (2.2)	PAFAH1B2 (2.2)
BCL7B (2.8)	HNF1A (2.7)	NCOA5 (2.7)	LILRA3 (2.7)	GLUL (2.6)
PXK (2.1)	OR5J2 (1.9)	ENSG00000255507 (1	NRBF2 (1.9)	GFOD2 (1.8)
SBNO1 (2.3)	PLEKHG4 (2.3)	FADS2 (2.1)	SIK3 (1.9)	TTBK2 (1.9)
NCOA5 (3.1)	ZNF350 (2.9)	BAZ1B (2.7)	RAB11B (2.5)	PGAP3 (2.5)
TTBK2 (2.2)	BACE1 (2.2)	DNAH10 (2.1)	C11orf9 (2.0)	ABCB9 (1.9)
INTS10 (2.9)	NUTF2 (2.8)	FAM192A (2.7)	PSMC3 (2.5)	CIAPIN1 (2.3)
MACF1 (2.7)	MST1R (2.6)	JMJD1C (2.5)	MTMR3 (2.4)	GPIHBP1 (2.4)
OGFOD1 (3.0)	POLR2C (2.5)	CLPTM1 (2.4)	DCPS (2.4)	MTCH2 (2.4)
KLHL8 (2.8)	CPNE2 (2.8)	C7orf50 (2.7)	PPP1R1B (2.6)	SLC12A4 (2.5)
TRPS1 (2.8)	CSGALNACT1 (2.5)	CYP26A1 (2.3)	TGM7 (2.2)	ENSG00000182109 (2
FEN1 (3.5)	DEPDC1 (3.0)	BAZ1B (2.9)	NUP160 (1.9)	CXXC1 (1.9)
NRBF2 (2.2)	C17orf57 (2.2)	ZNF259 (2.1)	CPNE2 (2.1)	RNF214 (2.0)
TNKS (2.4)	THAP11 (2.3)	KLHL8 (2.3)	EIF3J (2.3)	SBNO1 (2.2)
MTMR3 (2.8)	PRMT7 (2.7)	C16orf70 (2.6)	MTF2 (2.6)	NFATC3 (2.5)
KLF14 (2.6)	PYY (2.5)	KCTD10 (2.4)	LSM12 (2.4)	DOK4 (2.3)
PTPRZ1 (2.5)	GNAO1 (2.3)	FRMD5 (2.0)	TBKBP1 (1.9)	CCL17 (1.7)
TRADD (2.8)	CD40 (2.8)	RLTPR (2.7)	BCL3 (2.6)	EXOC3L1 (2.1)
ENSG00000223745 (2	MYBPC3 (2.3)	PNMT (2.1)	CELSR2 (2.1)	EXOC3L1 (2.0)
KIAA0895L (2.6)	UBE3B (2.5)	MAP1A (2.4)	SKA1 (2.4)	TP53BP1 (2.4)
SCARB1 (2.5)	COBLL1 (2.3)	CYP26A1 (2.1)	C17orf105 (2.0)	OR5I1 (1.9)
ETV5 (3.1)	SOST (3.0)	LRP4 (2.9)	PTPRZ1 (2.7)	NOL3 (2.6)
KCTD19 (2.6)	RBM6 (2.5)	NPEPPS (2.5)	TBKBP1 (2.5)	LSM12 (2.4)
KCTD19 (2.6)	RBM6 (2.5)	NPEPPS (2.5)	TBKBP1 (2.5)	LSM12 (2.4)
KCTD19 (2.6)	RBM6 (2.5)	NPEPPS (2.5)	TBKBP1 (2.5)	LSM12 (2.4)
BCAM (3.4)	ELMO3 (2.8)	C1orf172 (2.7)	MACF1 (2.3)	PYY (2.3)
KCTD6 (2.1)	TSNAXIP1 (2.1)	OR5J2 (2.1)	BUD13 (2.1)	RBM6 (2.0)
ENSG00000226645 (2	ADAL (2.0)	DGKG (1.9)	MPP3 (1.9)	LIPG (1.9)
SMPD3 (2.5)	MST1R (2.5)	HNF1A (2.5)	TGM7 (2.4)	ARHGAP1 (2.3)
ABHD6 (3.1)	BMP8A (2.8)	ZNF615 (2.7)	OR4A1P (2.3)	PGAP3 (2.3)
MST1R (2.7)	TECTB (2.7)	SFN (2.6)	LRP4 (2.5)	OR5J2 (2.2)
ENSG00000229043 (2	STRC (2.3)	ENSG00000226645 (2	CASC4 (2.0)	BCAM (2.0)
THAP11 (2.9)	ZNF613 (2.8)	RSPRY1 (2.8)	YDJC (2.7)	ZNF664 (2.7)
THAP11 (2.9)	ZNF613 (2.8)	RSPRY1 (2.8)	YDJC (2.7)	ZNF664 (2.7)

TRIB1 (2.5)	RBPJ (2.3)	TGM5 (2.3)	REEP3 (2.2)	JMJD1C (2.0)
ABCB9 (2.2)	MYO5B (2.2)	DGKG (2.1)	CELF1 (2.0)	PTPRZ1 (1.9)
ARHGAP1 (3.3)	SNORD58C (2.9)	KANK2 (2.7)	RBM5 (2.4)	CELF1 (2.1)
AFF1 (2.5)	COBLL1 (2.3)	XKR8 (2.3)	DGKG (1.9)	ENSG00000223745 (1
ZSCAN29 (2.5)	NUDT21 (2.3)	DPEP2 (2.2)	CCNDBP1 (2.2)	RBM6 (2.2)
LILRA3 (2.2)	ZDHHC18 (2.1)	CCDC11 (2.0)	KIAA0754 (2.0)	ENSG00000236267 (1
MT1F (2.2)	PCIF1 (2.0)	SNORD58C (1.7)	MT1X (1.7)	KPNB1 (1.7)
RSPO3 (2.5)	TRPS1 (2.2)	LRP4 (2.2)	HSF4 (1.9)	ESRP2 (1.9)
MTF2 (2.6)	BCL7B (2.5)	PCSK7 (2.5)	PCIF1 (2.4)	CTDSPL2 (2.0)
AMBRA1 (2.8)	SIK3 (2.8)	RANBP10 (2.7)	NFATC3 (2.6)	PRMT7 (2.6)
C11orf9 (2.7)	KANK2 (2.6)	ZNF664 (2.6)	AFF1 (2.5)	PACSIN3 (2.5)
FNBP4 (2.1)	UVRAG (2.1)	FPR3 (2.0)	ZSCAN29 (1.9)	LILRB2 (1.8)
TNKS (2.3)	CLPTM1 (1.9)	CASC4 (1.8)	NPEPPS (1.7)	FNBP4 (1.6)
NUDT21 (2.6)	ENSG00000179523 (2	DCPS (2.4)	LPA (2.2)	OGFOD1 (2.2)
NEUROD2 (2.2)	SLC12A3 (2.1)	MPP2 (2.1)	MT1F (2.1)	TRNP1 (2.1)
PPY (3.2)	GPIHBP1 (2.8)	TBKBP1 (2.7)	PITPNM2 (2.6)	ENSG00000247867 (2
OASL (2.3)	SNORD58C (2.3)	NPEPPS (2.2)	COX19 (2.0)	FNBP4 (1.9)
PDIA3 (1.8)	MAP1A (1.8)	LIPG (1.6)	SLC7A6 (1.5)	RSPO3 (1.5)
RELB (2.8)	SPI1 (2.5)	CCL17 (2.3)	PLA2G15 (2.1)	DDB2 (2.0)
TECTB (2.5)	BMP8A (2.3)	MYO5B (2.3)	ENSG00000254235 (2	ENSG00000226645 (2
ZNF350 (2.5)	ZNF613 (2.4)	PDHB (2.3)	MT1M (2.3)	CATSPER2 (2.2)
RBM6 (2.9)	CELF1 (2.7)	ZNF335 (2.6)	LSM12 (2.5)	C12orf43 (2.4)
SMPD3 (1.9)	RSPO3 (1.8)	B3GNT9 (1.8)	TRPS1 (1.8)	SLC7A6OS (1.8)
TMEM208 (3.2)	COX19 (2.7)	PCSK7 (2.7)	GLUL (2.7)	EPB42 (2.6)
PNMT (2.6)	TCAP (2.5)	DGKG (2.4)	MAP1A (2.3)	PDE3A (2.3)
OGFOD1 (3.2)	GPN2 (3.0)	E2F4 (2.4)	SBNO1 (2.3)	PRMT7 (2.3)
OGFOD1 (3.2)	GPN2 (3.0)	E2F4 (2.4)	SBNO1 (2.3)	PRMT7 (2.3)
NUP93 (2.8)	UBR1 (2.8)	CKAP5 (2.8)	BUD13 (2.6)	KPNB1 (2.6)
SIDT2 (2.3)	BCL7B (2.3)	RSPRY1 (2.2)	TTC39B (2.2)	SNX10 (2.0)
CYP26A1 (2.4)	ZNF613 (2.4)	MYO5B (2.3)	ABHD6 (2.2)	ENSG00000247445 (2
ZNF613 (3.0)	SBNO1 (2.9)	PXK (2.7)	MADD (2.6)	SETD8 (2.6)
RLTPR (2.2)	APOE (2.2)	CCL22 (2.1)	CD40 (1.9)	NFATC3 (1.9)
PACSIN3 (3.8)	COQ9 (3.0)	PDHB (2.6)	DPEP2 (1.9)	PDE3A (1.8)
RBM5 (2.6)	OGFOD1 (2.2)	PSMC3 (2.2)	KPNB1 (2.2)	FNBP4 (2.1)
NFATC3 (2.7)	MON1A (2.7)	JMJD1C (2.6)	MTMR3 (2.4)	PRMT7 (2.4)
COQ9 (4.2)	PACSIN3 (3.9)	PLTP (2.9)	NDUFS3 (2.4)	PDE3A (2.1)
CELSR2 (2.2)	LIPG (2.0)	FRMD5 (1.9)	ENSG00000255507 (1	BMP8A (1.9)
CYP26A1 (2.1)	TCAP (1.9)	MTMR3 (1.9)	PLEKHG4 (1.7)	PLA2G15 (1.7)
CD40 (2.6)	APOC1 (2.2)	RLTPR (2.1)	APOE (2.0)	LILRB2 (1.9)
PCSK7 (2.0)	TMEM101 (2.0)	C1orf172 (2.0)	AGBL2 (2.0)	PGAP3 (1.9)
MON1A (2.8)	CENPT (2.8)	C11orf49 (2.4)	RAB11B (2.4)	POLR2C (2.4)
SMPD3 (2.3)	COBLL1 (2.2)	TRPS1 (2.1)	CBFB (2.1)	CYP26A1 (2.0)
TSNAXIP1 (2.5)	PCSK7 (2.3)	OR4A21P (2.3)	ZDHHC18 (2.0)	XKR8 (2.0)
C12orf65 (2.5)	TTC39B (2.4)	ZNF614 (2.1)	KLHL8 (2.0)	ENSG00000226645 (1
PDIA3 (3.1)	ZNF350 (2.5)	ZDHHC18 (2.4)	SLC7A6 (2.4)	SDF2L1 (2.4)
UBE2L3 (2.8)	RAB11B (2.3)	PCIF1 (2.3)	ARFGAP2 (2.2)	C11orf49 (2.2)
ABCA8 (2.4)	TTBK2 (2.4)	PLA2G15 (2.3)	REEP3 (2.1)	AFF1 (2.1)
MADD (2.5)	MPP3 (2.4)	GNAO1 (2.3)	ENSG00000182109 (2	CSGALNACT1 (2.0)
ENSG00000226645 (1	NUTF2 (1.8)	DYM (1.8)	MON1A (1.8)	MST1R (1.7)
KLF14 (2.5)	MADD (2.4)	HSF4 (2.2)	GNAO1 (2.1)	PYY (2.0)

NUP93 (2.7)	RBM6 (2.4)	NUP160 (2.2)	PSMC3 (2.2)	NCOA5 (2.0)
HERPUD1 (2.0)	TMEM208 (1.8)	NUTF2 (1.7)	CCL22 (1.7)	PSMB10 (1.7)
C7orf50 (3.0)	DDX28 (2.9)	COX19 (2.8)	C12orf43 (2.7)	DCPS (2.3)
AFF1 (2.4)	MT1E (2.4)	PLA2G6 (2.3)	ZNF350 (2.3)	RSPRY1 (2.2)
CDK12 (3.0)	PGAP3 (2.5)	RBM5 (2.4)	GRB7 (2.3)	FAM192A (2.3)
BMP8A (2.4)	ZNF350 (2.3)	YDJC (2.2)	XKR8 (2.2)	C16orf86 (2.2)
MYBPC3 (3.1)	RAPSN (2.7)	ANGPTL4 (2.2)	HNF4A (2.2)	F2 (2.1)
CD36 (2.4)	CCNDBP1 (2.1)	NUTF2 (1.9)	DUS2L (1.9)	ENSG00000236267 (1
CD36 (2.4)	CCNDBP1 (2.1)	NUTF2 (1.9)	DUS2L (1.9)	ENSG00000236267 (1
LRP4 (2.5)	MPP3 (2.4)	MPP2 (2.4)	PDE3A (2.3)	C11orf9 (2.2)
GPER (2.3)	KLF14 (2.1)	TRNP1 (2.1)	KLHL8 (2.0)	ENSG00000236267 (1
TRPS1 (2.4)	CSGALNACT1 (2.4)	GPIHBP1 (2.1)	KLF14 (2.1)	SLC7A6 (2.1)
STRC (1.1)	TMEM175 (1.1)	NRBF2 (1.0)	PTPRZ1 (1.0)	LRRC29 (0.7)
C16orf70 (3.1)	TRADD (3.0)	ACD (2.9)	PXK (2.7)	REEP3 (2.6)
SPG11 (2.5)	ZFAND2A (2.5)	TGM5 (2.4)	PLA2G15 (2.3)	DUSP3 (2.3)
PVRL2 (2.7)	DR1 (2.3)	CTDSPL2 (2.1)	CASC4 (1.9)	SLC7A6OS (1.9)
C11orf49 (3.4)	TP53BP1 (3.2)	GFOD2 (3.1)	MAP1A (2.9)	CENPT (2.9)
MTCH2 (3.9)	CIAPIN1 (3.2)	TMEM208 (2.6)	PPIP5K1 (2.3)	ACAA2 (2.3)
CTDSPL2 (2.7)	ARFGAP2 (2.6)	CELF1 (2.3)	TP53BP1 (2.2)	INTS10 (2.2)
ZNF335 (2.5)	CCDC116 (2.3)	PLA2G6 (2.2)	FPR3 (2.1)	MADD (2.1)
MTCH2 (4.5)	ACAA2 (4.3)	CIAPIN1 (3.3)	C16orf86 (2.4)	PPIP5K1 (2.3)
COBLL1 (2.1)	RLTPR (1.9)	CETP (1.9)	HDAC5 (1.8)	BCL7B (1.8)
EDC4 (3.3)	ACD (3.2)	PCIF1 (3.1)	CBFB (2.9)	DDX28 (2.8)
C16orf48 (3.8)	ACD (3.4)	SKA1 (3.3)	CENPT (3.1)	ARID1A (2.8)
DCPS (3.3)	MON1A (3.2)	ZNF335 (3.1)	PCIF1 (3.1)	ARFGAP2 (2.9)
MAP1A (2.6)	MADD (2.5)	SLC9A5 (2.5)	RSPO3 (2.4)	MPP3 (2.4)
ENSG00000181296 (2	GNAO1 (2.5)	RSPO3 (1.9)	DGKG (1.8)	LILRB2 (1.8)
CSGALNACT1 (2.0)	BCAM (1.9)	GALNT2 (1.8)	DUS2L (1.8)	CETP (1.8)
C16orf70 (3.0)	CCNDBP1 (2.9)	ARFGAP2 (2.9)	RSPRY1 (2.7)	ZFAND2A (2.7)
SDF2L1 (2.8)	ATG13 (2.8)	PDIA3 (2.7)	ENSG00000247445 (2	EYA3 (2.4)
ZNF614 (2.6)	TTC39B (2.5)	CCL22 (2.4)	CD40 (2.4)	RLTPR (2.3)
CCDC92 (2.7)	EDC4 (2.6)	SNX10 (2.6)	TSNAXIP1 (2.5)	PLEKHG4 (2.4)
CCDC18 (3.7)	MPHOSPH9 (3.0)	TP53BP1 (2.7)	CENPT (2.4)	MAP1A (2.4)
ERBB2 (2.5)	GRB7 (2.5)	C1orf172 (2.2)	CELSR2 (2.1)	BCAM (2.1)
SLC39A13 (2.9)	B3GNT9 (2.8)	ZSCAN29 (2.7)	SDF2L1 (2.5)	C18orf32 (2.4)
CYP26A1 (1.9)	SCARB1 (1.8)	TSNAXIP1 (1.5)	ENSG00000226334 (1	PLA2G15 (1.5)
AFF1 (3.1)	LSM12 (3.0)	SBNO1 (2.9)	C12orf43 (2.9)	PXK (2.8)
LPA (2.2)	C11orf9 (2.1)	CES4A (2.1)	NOL3 (2.1)	PTPMT1 (2.0)
C16orf70 (2.4)	C7orf50 (2.3)	RANBP10 (2.1)	SETD8 (2.0)	PSKH1 (2.0)
MVK (2.6)	MMAB (2.2)	REEP3 (2.2)	NRBF2 (2.1)	CYP26A1 (2.0)
RELB (2.8)	ZDHHC18 (2.6)	SIK3 (2.2)	SLC7A6 (2.1)	LILRA3 (2.0)
NUDT21 (2.2)	NPEPPS (2.2)	KPNB1 (2.2)	ENSG00000247867 (2	NUP93 (2.1)
TMED5 (3.6)	KCTD19 (3.2)	TMEM101 (3.0)	TMEM208 (2.9)	G6PC3 (2.9)
TMED5 (3.6)	KCTD19 (3.2)	TMEM101 (3.0)	TMEM208 (2.9)	G6PC3 (2.9)
HARBI1 (2.5)	ANGPTL4 (2.5)	ZFAND2A (2.3)	OGFOD1 (2.1)	PACSIN3 (2.1)
RSPO3 (2.4)	GPER (2.2)	OR5I1 (2.1)	CELSR2 (1.9)	DGKG (1.9)
DUSP3 (2.9)	ZNF664 (2.8)	SLC12A4 (2.8)	DOCK6 (2.7)	EXOC3L1 (2.6)
CCL22 (2.9)	ZDHHC18 (2.5)	CCL17 (2.5)	PTPRJ (2.4)	CLPTM1 (2.1)
GFOD2 (2.9)	MYO5B (2.8)	KLHL8 (2.7)	SBNO1 (2.7)	TTBK2 (2.4)
TUBGCP4 (2.4)	ABCB9 (2.3)	CSGALNACT1 (2.3)	SEC14L4 (2.2)	MT1H (2.1)

ZNF350 (2.3)	CCL22 (2.2)	ENSG00000229043 (2	UBE2L3 (2.2)	ZNF613 (2.0)
C16orf48 (2.7)	MON1A (2.4)	ZNF335 (2.4)	DCPS (2.4)	CCNDBP1 (2.4)
C16orf48 (3.8)	SKA1 (3.8)	NUP160 (3.6)	MPHOSPH9 (3.0)	ACD (2.9)
ENSG00000181296 (2	MT1X (2.7)	MT1G (2.7)	MT1H (2.6)	C17orf105 (2.5)
SPG11 (2.5)	HERPUD1 (2.4)	UVRAG (2.4)	CIAPIN1 (2.4)	ARFGAP2 (2.4)
MYO5B (2.5)	CCDC92 (2.4)	HCAR1 (2.3)	SIDT2 (2.2)	AMFR (2.2)
SNORD58C (2.6)	DR1 (2.4)	MBD1 (2.4)	GPN2 (2.3)	DYM (2.1)
NRBF2 (2.0)	ZNF613 (2.0)	CCDC18 (2.0)	MT1G (1.9)	CES4A (1.8)
G6PC3 (2.9)	TMEM101 (2.9)	ST3GAL4 (2.8)	GALNT2 (2.7)	SDF2L1 (2.7)
PTPRJ (2.5)	KLHL8 (2.4)	NFATC3 (2.3)	DDB2 (2.2)	CBFB (2.2)
ENSG00000247867 (2	PTPRZ1 (2.2)	LRP4 (2.1)	KCTD6 (2.1)	FZD9 (2.1)
CD40 (3.4)	CCL17 (3.2)	ZDHHC18 (2.7)	NLRC5 (2.5)	PTPRJ (2.1)
MMAB (2.9)	MPP2 (2.7)	FADS1 (2.5)	ENSG00000255507 (2	PTPRZ1 (2.4)
G6PC3 (2.5)	PDE3A (2.2)	GPR146 (2.1)	ENSG00000247867 (1	OR5J2 (1.9)
PGS1 (2.7)	CD40 (2.6)	TTC39B (2.3)	ZNF615 (1.8)	COBLL1 (1.7)
PVRL2 (4.3)	ELMO3 (3.4)	TAGLN (3.2)	GRB7 (3.2)	MYO5B (3.1)
NPEPPS (2.1)	GNAO1 (2.0)	RAB11B (2.0)	CPNE2 (2.0)	BACE1 (1.9)
PIGV (2.1)	GFOD2 (2.1)	MFAP1 (2.1)	AGBL2 (1.9)	TMEM175 (1.9)
RAB11B (2.7)	CLPTM1 (2.4)	UBE2L3 (2.3)	CPNE2 (2.2)	CCDC92 (2.2)
ENSG00000236267 (2	STRC (2.0)	ENSG00000226334 (1	SLC9A5 (1.9)	KCTD6 (1.9)
EIF3J (2.6)	TNKS (2.6)	KLHL8 (2.4)	DR1 (2.1)	SLC7A6OS (2.1)
EDC4 (3.2)	ACD (3.1)	PCIF1 (3.0)	FAM192A (2.8)	NUP93 (2.7)
BCL7B (3.6)	KBTBD4 (3.2)	BAZ1B (2.9)	PGAP3 (2.9)	CDK12 (2.8)
CCDC18 (2.8)	CASC4 (2.7)	ZSCAN29 (2.7)	MED1 (2.6)	MTF2 (2.4)
TBKBP1 (2.7)	PACSIN3 (2.5)	MAP1A (2.4)	LCAT (2.3)	MPP2 (2.3)
DYM (2.1)	CITED2 (1.9)	MTMR3 (1.8)	SEC14L4 (1.8)	DPEP3 (1.8)
MYO5B (2.5)	C1orf172 (2.5)	SETD8 (2.4)	ERBB2 (2.4)	LRP4 (2.2)
MYO1H (2.5)	EXOC3L1 (2.3)	KLF14 (2.2)	RAPSN (2.1)	LCMT2 (1.8)
TMED5 (2.0)	SDF2L1 (1.9)	ACAA2 (1.8)	CITED2 (1.7)	PGAP3 (1.6)
CELSR2 (2.5)	LRP4 (2.4)	RELB (2.4)	CCL17 (2.3)	CCL22 (2.3)
C1orf172 (2.9)	SLC7A6OS (2.6)	DCPS (2.3)	PGAP3 (2.3)	ZSCAN29 (2.2)
PXK (2.6)	CYP26A1 (2.4)	RSPO3 (2.4)	ARID1A (2.3)	NFATC3 (2.2)
HERPUD1 (3.3)	OGFOD1 (3.0)	NUTF2 (2.8)	TRIB1 (2.6)	SLC7A6 (2.5)
AFF1 (2.1)	OR4A21P (2.1)	SLC7A6 (2.1)	OR5L2 (2.0)	XKR8 (2.0)
MPP2 (2.3)	ENSG00000255507 (2	CYP2W1 (2.2)	ERBB2 (2.0)	CMIP (2.0)
MTCH2 (3.8)	TMEM208 (2.7)	PTPMT1 (2.7)	COX19 (2.4)	CIAPIN1 (2.3)
EDC4 (2.2)	CCDC92 (2.2)	ARFGAP2 (2.1)	NPEPPS (2.1)	CATSPER2 (2.0)
ZNF615 (2.7)	ZNF614 (2.5)	CD40 (2.4)	RLTPR (2.4)	LILRB2 (2.4)
OGFOD1 (3.2)	GPN2 (2.8)	SNORD58C (2.6)	E2F4 (2.5)	PRMT7 (2.3)
RLTPR (2.1)	NOL3 (2.0)	G6PC3 (1.9)	ZSCAN29 (1.9)	ENSG00000181123 (1
COBLL1 (1.5)	PLTP (1.4)	KANK2 (1.3)	ENSG00000181123 (1	ST3GAL4 (1.2)
PIGV (3.4)	PGAP3 (3.2)	TMEM62 (3.1)	MIEN1 (2.5)	LCMT2 (2.4)
TMEM208 (2.6)	YDJC (2.4)	OGFOD1 (2.4)	INTS10 (2.3)	THAP11 (2.3)
TOMM40 (2.4)	UBE2L3 (2.2)	MTCH2 (2.2)	CELSR2 (1.8)	MT1X (1.8)
ENSG00000254235 (2	OR5I1 (2.6)	TMEM101 (2.5)	SOST (2.5)	KCTD6 (2.4)
TMEM175 (4.0)	SKA1 (3.3)	MPHOSPH9 (3.0)	FEN1 (2.8)	DNAH10 (2.6)
SMPD3 (2.5)	CCDC11 (2.2)	RSPO3 (2.1)	GPIHBP1 (1.9)	CCDC116 (1.8)
FRMD5 (2.2)	ENSG00000229043 (2	ENSG00000247867 (1	ENSG00000226645 (1	B3GNT9 (1.5)
ARHGAP1 (2.5)	BACE1 (2.5)	CLPTM1 (2.4)	ACP2 (2.1)	CPNE2 (2.1)
SNORD58C (2.0)	CCL17 (2.0)	OR5I1 (1.9)	COX19 (1.8)	SLC7A6 (1.7)

MYBPC3 (3.0)	PDE3A (2.8)	MPP2 (2.3)	DUSP3 (2.3)	LIPG (2.2)
PXK (2.8)	AMFR (2.6)	CCL17 (2.6)	DNAH10 (2.4)	DUS2L (2.2)
ABHD6 (2.7)	DGKG (2.6)	ADAL (2.4)	APOE (2.1)	LCAT (2.1)
ARID1A (3.2)	CDK12 (2.9)	PCIF1 (2.5)	KIAA0895L (2.5)	HDAC5 (2.2)
C16orf48 (3.5)	NUP160 (3.4)	CTDSPL2 (3.0)	SNORD58C (2.8)	PRMT7 (2.5)
GPIHBP1 (3.2)	DOCK6 (3.0)	KANK2 (2.5)	GALNT2 (2.3)	REEP3 (2.3)
UVRAG (2.4)	NLRC5 (2.3)	PSKH1 (2.2)	TTC39B (2.1)	SNORD58C (2.1)
TMEM175 (4.0)	SKA1 (3.4)	MPHOSPH9 (3.1)	FEN1 (2.8)	DNAH10 (2.5)
TMEM175 (4.0)	SKA1 (3.4)	MPHOSPH9 (3.1)	FEN1 (2.8)	DNAH10 (2.5)
ETV5 (2.6)	PVRL2 (2.4)	CD300LG (2.3)	CX3CL1 (2.1)	OR5J2 (2.1)
NUTF2 (2.7)	TOMM40 (2.7)	KPNB1 (2.7)	C12orf43 (2.7)	DDX28 (2.5)
FEN1 (3.2)	MTF2 (3.2)	CCDC18 (2.1)	TUBGCP4 (1.8)	PRMT7 (1.8)
LSM12 (2.6)	ZNF614 (2.2)	ARID1A (2.1)	E2F4 (2.1)	BCL7B (2.1)
LSM12 (2.6)	ZNF614 (2.2)	ARID1A (2.1)	E2F4 (2.1)	BCL7B (2.1)
DUSP3 (3.0)	MIEN1 (2.5)	SNX10 (2.5)	ATG13 (2.4)	ZFAND2A (2.3)
FNBP4 (2.5)	CELF1 (2.5)	ARID1A (2.4)	ENSG00000236267 (2	BAZ1B (2.3)
SNX10 (2.9)	MT1M (2.7)	C11orf49 (2.7)	ENSG00000223745 (2	TRNP1 (2.6)
KCTD6 (2.6)	PSKH1 (2.6)	ST3GAL4 (2.5)	INTS10 (2.4)	COBLL1 (2.3)
PPP1R1B (2.7)	MT1M (2.5)	TRPS1 (2.4)	LRP4 (2.3)	SOST (2.3)
AGBL2 (2.2)	PTPMT1 (2.2)	TSNAXIP1 (2.2)	ENSG00000255507 (2	NDUFS3 (2.1)
SLC7A6OS (2.9)	EIF3J (2.9)	RBM6 (2.6)	KPNB1 (2.5)	TOMM40 (2.4)
ZNF408 (2.2)	OR5J2 (2.1)	NCOA5 (2.0)	C11orf49 (2.0)	TRNP1 (1.9)
C12orf43 (2.6)	NUTF2 (2.6)	SBNO1 (2.4)	ENSG00000226334 (2	EIF3J (2.1)
SBNO1 (2.7)	SPRYD5 (2.6)	DR1 (2.3)	PCIF1 (2.3)	PAFAH1B2 (2.2)
BUD13 (3.0)	NUP93 (3.0)	INTS10 (2.8)	FNBP4 (2.8)	GPN2 (2.8)
NR1H3 (2.3)	ZNF615 (2.3)	DUS2L (2.1)	DGKG (2.0)	ENSG00000247867 (2
NR1H3 (2.3)	ZNF615 (2.3)	DUS2L (2.1)	DGKG (2.0)	ENSG00000247867 (2
GPR146 (2.0)	CSGALNACT1 (2.0)	HCAR1 (1.9)	OR5J2 (1.9)	DUSP3 (1.9)
DYM (2.5)	SETD8 (2.3)	C7orf50 (2.1)	RANBP10 (2.1)	ZNF615 (2.0)
COX19 (2.3)	PSMB10 (2.2)	TTBK2 (2.2)	TRADD (2.2)	C12orf43 (2.1)
DEPDC1 (3.9)	ACD (3.2)	CENPT (3.0)	CTDSPL2 (2.9)	C16orf48 (2.9)
C12orf65 (1.9)	RBPJ (1.9)	TECTB (1.9)	BMP8A (1.8)	TBKBP1 (1.6)
TMEM101 (2.1)	SNORD58C (2.1)	PDHB (2.0)	INTS10 (1.9)	ACAA2 (1.9)
TOMM40 (2.8)	ZNF259 (2.8)	OGFOD1 (2.4)	SNORD58C (2.2)	ANGPTL4 (2.1)
MPHOSPH9 (2.8)	DEPDC1 (2.3)	DDB2 (2.3)	SETD8 (2.2)	MFAP1 (2.0)
NR1H3 (2.1)	ABCA1 (2.1)	C12orf65 (2.0)	TTC39B (1.9)	APOC1 (1.8)
C1orf172 (1.9)	SCARB1 (1.8)	KLF14 (1.7)	ENSG00000181296 (1	ENSG00000223745 (1
C1QTNF4 (2.9)	CX3CL1 (2.9)	PPP1R1B (2.9)	NEUROD2 (2.9)	DGKG (2.8)
SLC12A4 (2.7)	KANK2 (2.5)	C11orf49 (2.4)	COX19 (2.3)	ABHD6 (2.2)
ADAL (2.4)	LCMT2 (2.3)	C16orf70 (2.3)	HSF4 (2.2)	POLR2C (2.2)
CXXC1 (2.6)	POLR2C (2.6)	ZNF335 (2.6)	NUP160 (2.6)	NUDT21 (2.5)
C7orf50 (2.2)	ENSG00000182109 (2	EYA3 (1.9)	YDJC (1.8)	TMED5 (1.8)
CDK12 (2.2)	RSPO3 (2.2)	SLC39A13 (2.2)	ENSG00000229043 (1	CELSR2 (1.8)
MT1H (2.9)	FADS1 (2.7)	MT1G (2.7)	SBNO1 (2.6)	C7orf50 (2.6)
SFN (2.7)	TAGLN (2.6)	FRMD5 (2.4)	ERBB2 (2.3)	BCAM (2.3)
ENSG00000181296 (2	KLF14 (2.4)	SMPD3 (2.2)	PITPNM2 (2.2)	PPY (2.0)
APOC3 (2.7)	CPS1 (2.6)	APOB (2.6)	PDIA3 (2.5)	NFATC3 (2.5)
KPNB1 (3.3)	TOMM40 (3.0)	MED1 (3.0)	RLTPR (2.9)	PRMT7 (2.5)
PNMT (2.3)	LILRA3 (2.0)	CES4A (1.9)	RBPJ (1.9)	PTPRJ (1.9)
KBTBD4 (2.9)	KLF14 (2.8)	ENSG00000182109 (2	ZDHHC18 (2.6)	PCSK7 (2.4)

DDX28 (2.9)	KPNB1 (2.6)	RBM6 (2.4)	OGFOD1 (2.4)	INTS10 (2.4)
ABCA8 (2.2)	DNAH10 (2.2)	TSNAXIP1 (2.2)	C17orf105 (2.0)	OR4A21P (1.8)
OASL (2.6)	AMBRA1 (2.4)	NLRC5 (2.2)	CLPTM1 (2.1)	RLTPR (2.1)
EIF3J (3.1)	GPN2 (2.9)	C7orf50 (2.9)	DDX28 (2.8)	SLC7A6OS (2.7)
OR5L2 (2.5)	MPP3 (2.2)	FPR3 (2.2)	CCDC116 (2.2)	OGFOD1 (2.2)
DPEP3 (2.1)	GRB7 (2.1)	TRPS1 (1.9)	C1orf172 (1.8)	ENSG00000181296 (1
ENSG00000182109 (2	NPEPPS (2.3)	SEC14L4 (2.0)	FBXL20 (2.0)	MBD1 (1.9)
ESRP2 (1.0)	ENSG00000255507 ((	PTPRZ1 (0.8)	ENSG00000181296 ((	CATSPER2 (0.7)
JMJD1C (3.2)	ERBB2 (3.0)	TUBGCP4 (2.9)	UBR1 (2.8)	MED1 (2.8)
NEUROD2 (2.1)	FZD9 (2.1)	ENSG00000247445 (2	CELSR2 (1.8)	ADAL (1.7)
SKA1 (3.7)	DDB2 (3.0)	NUP160 (2.9)	DEPDC1 (2.7)	CTDSPL2 (2.7)
SNORD58C (2.6)	NUP160 (2.6)	OGFOD1 (2.5)	TOMM40 (2.5)	UBR1 (2.4)
THAP11 (2.7)	NFATC3 (2.6)	RBM6 (2.6)	MED1 (2.6)	RBM5 (2.5)
LCMT2 (2.5)	PCIF1 (2.4)	THAP11 (2.3)	BAZ1B (2.2)	BUD13 (2.2)
BACE1 (2.7)	NPEPPS (2.6)	C11orf9 (2.5)	CCDC92 (2.4)	GLUL (2.3)
DUS2L (3.5)	PRMT7 (3.2)	SPG11 (3.0)	ZNF259 (3.0)	PDHB (2.9)
SPG11 (2.7)	HARBI1 (2.7)	C12orf43 (2.7)	SLC7A6OS (2.5)	C7orf50 (2.5)
EPB42 (2.3)	MTF2 (2.3)	DGKG (2.3)	CITED2 (2.1)	CD300LG (2.1)
PTPRZ1 (1.2)	TMEM175 (0.9)	STRC (0.8)	OR5I1 (0.7)	MON1A (0.7)
TMEM208 (3.7)	HERPUD1 (3.1)	TMED5 (3.0)	AMFR (3.0)	G6PC3 (2.7)
SBNO1 (2.5)	ZNF259 (2.2)	NUP160 (2.2)	C12orf43 (2.2)	TOMM40 (2.2)
LSM12 (2.6)	KPNB1 (2.4)	CKAP5 (2.3)	ENSG00000181296 (2	PRMT7 (2.2)
MYO5B (3.1)	SLC39A13 (2.8)	LRP4 (2.6)	MACF1 (2.6)	ARHGAP1 (2.4)
SLC12A3 (2.5)	ST3GAL4 (2.4)	TECTB (2.0)	KCTD19 (1.9)	OR4A1P (1.8)
SBNO1 (2.5)	ZNF664 (2.4)	CELF1 (2.3)	EIF3J (2.3)	MPHOSPH9 (2.2)
RAPSN (2.2)	GRB7 (2.1)	HCAR1 (2.1)	RSPO3 (2.1)	ENSG00000181123 (2
C12orf43 (2.7)	MIEN1 (2.4)	LSM12 (2.3)	SBNO1 (2.3)	DYM (2.2)
BMP8A (2.5)	ENSG00000236267 (2	SLC12A4 (2.2)	PTPRZ1 (2.2)	SMPD3 (2.1)
HNF1A (2.1)	ENSG00000236267 (2	HNF4A (2.0)	KIAA0895L (1.9)	COX19 (1.9)
FNBP4 (3.8)	CXXC1 (3.5)	MED1 (3.5)	MFAP1 (3.5)	DR1 (3.4)
PGAP3 (2.6)	TAGLN (2.6)	LSM12 (2.5)	FADS2 (2.4)	C11orf9 (2.3)
ENSG00000236267 (2	MYO1H (2.3)	TMEM175 (2.2)	APOA5 (2.1)	SLC9A5 (2.0)
THAP11 (3.3)	BAZ1B (3.2)	LCMT2 (3.1)	PCIF1 (3.1)	KBTBD4 (2.9)
LSM12 (2.1)	TBKBP1 (2.1)	CPNE2 (2.0)	ARFGAP2 (2.0)	PTPRJ (2.0)
MADD (2.2)	MPP3 (2.1)	ENSG00000182109 (2	CYP2W1 (2.1)	GPIHBP1 (2.0)
SPRYD5 (2.5)	INTS10 (2.4)	GPN2 (2.1)	MIEN1 (2.0)	FZD9 (2.0)
EPB42 (3.2)	C17orf105 (2.8)	ZNF613 (2.6)	STRC (2.5)	ZNF350 (2.3)
TTC39B (2.4)	HSF4 (2.1)	SIK3 (2.0)	SNX10 (2.0)	PCSK7 (1.9)
NUP160 (2.6)	SPRYD5 (2.5)	ZNF259 (2.4)	YDJC (2.3)	KLHL8 (2.2)
PTPMT1 (2.4)	GPER (2.3)	NDUFS3 (2.3)	HNF1A (2.1)	ENSG00000255507 (2
ZNF614 (2.6)	DNAH10 (2.2)	HNF4A (2.1)	NEUROD2 (2.0)	AMBRA1 (1.9)
THAP11 (2.5)	AMBRA1 (2.5)	LRP4 (2.5)	ZNF335 (2.4)	CELF1 (2.3)
SFN (2.4)	EXOC3L1 (2.3)	HSF4 (2.2)	SIDT2 (2.2)	ENSG00000255507 (1
OGFOD1 (2.4)	SBNO1 (2.2)	ACAA2 (2.2)	LSM12 (2.1)	PXK (1.9)
OR5I1 (2.8)	FRMD5 (2.5)	ENSG00000226334 (2	TP53BP1 (2.2)	LRRC29 (2.2)
PXK (2.5)	UVRAG (2.5)	ARHGAP1 (2.5)	SNX13 (2.3)	DYM (2.1)
NUP160 (2.8)	DUS2L (2.6)	SNORD58C (2.5)	KPNB1 (2.5)	GPN2 (2.1)
FZD9 (2.9)	EXOC3L1 (2.9)	CYP26A1 (2.9)	ENSG00000226334 (2	RAPSN (2.3)
SFN (2.1)	BMP8A (2.1)	BCAM (2.1)	ENSG00000181296 (2	C11orf9 (2.0)
LSM12 (2.7)	C11orf49 (2.7)	KPNB1 (2.5)	AMBRA1 (2.5)	PTPRZ1 (2.2)

LRP4 (2.7)	PDE3A (2.4)	KANK2 (2.4)	TECTB (2.2)	MPP2 (2.2)
LRP4 (3.4)	FZD9 (3.0)	CYP26A1 (2.9)	SOST (2.8)	MT1M (2.1)
CD40 (2.3)	THAP11 (2.3)	RLTPR (1.9)	CCL22 (1.9)	APOE (1.8)
RSPO3 (2.2)	LRRC29 (2.2)	APOA4 (2.1)	NEUROD2 (2.1)	TECTB (2.0)
MED1 (4.3)	MIEN1 (4.2)	GRB7 (4.2)	CDK12 (3.7)	PGAP3 (3.6)
NOL3 (2.0)	PDE3A (2.0)	CCDC92 (1.7)	CSGALNACT1 (1.7)	CETP (1.7)
FADS1 (2.4)	TMEM62 (2.3)	SNX13 (2.3)	SNORD58C (2.1)	BACE1 (2.1)
ENSG00000182109 (2	C1QTNF4 (1.8)	MADD (1.8)	CMIP (1.7)	CETP (1.7)
C1orf172 (3.5)	FZD9 (2.7)	HNF4A (2.4)	LRRC29 (2.1)	MYO5B (2.1)
BUD13 (2.6)	BCL3 (2.6)	CITED2 (2.5)	PCIF1 (2.5)	AMBRA1 (2.4)
SBNO1 (2.8)	ZNF664 (2.7)	ARFGAP2 (2.6)	ZNF408 (2.5)	ARID1A (2.5)
MPHOSPH9 (2.2)	C1QTNF4 (2.1)	CD300LG (2.0)	SLC12A3 (1.8)	ENSG00000226334 (1
HSF4 (2.5)	MAP1A (2.4)	C1QTNF4 (2.3)	CLPTM1 (2.3)	TBKBP1 (2.2)
NEUROD2 (2.5)	HSF4 (2.3)	PARD6A (2.3)	TECTB (2.3)	MADD (2.1)
SPI1 (2.4)	NLRC5 (2.3)	NR1H3 (1.9)	LILRB2 (1.8)	OR4A21P (1.8)
TSNAXIP1 (2.4)	PCSK7 (2.3)	LILRA3 (2.3)	XKR8 (2.2)	OR4A21P (2.2)
ENSG00000255507 (2	MMAB (2.0)	COX19 (2.0)	ENSG00000247445 (1	ENSG00000229043 (1
KBTBD4 (2.7)	CCL22 (2.4)	ZDHHC18 (2.3)	LILRA3 (2.3)	OR4A21P (2.3)
SPG11 (2.8)	ATG13 (2.7)	NRBF2 (2.7)	ADAL (2.6)	ZNF350 (2.4)
KLHL8 (2.7)	YDJC (2.5)	GPIHBP1 (2.2)	C12orf43 (2.2)	BUD13 (2.1)
CYP26A1 (2.7)	BCAM (2.4)	KLF14 (2.4)	LILRA3 (2.2)	ENSG00000182109 (2
DUSP3 (2.7)	NPEPPS (2.3)	PGS1 (2.3)	SLC39A13 (2.3)	TAGLN (2.1)
POLR2C (2.8)	CCNDBP1 (2.6)	RBPJ (2.5)	SLC7A6OS (2.4)	ZNF259 (2.4)
POLR2C (2.8)	CCNDBP1 (2.6)	RBPJ (2.5)	SLC7A6OS (2.4)	ZNF259 (2.4)
BUD13 (2.4)	SPRYD5 (2.3)	POLR2C (2.3)	PCIF1 (2.3)	GPN2 (2.3)
C12orf43 (2.8)	NCOA5 (2.7)	OR4A1P (2.6)	BUD13 (2.6)	PCIF1 (2.4)
KLF14 (2.7)	FBXL20 (2.6)	LRP4 (2.6)	TBKBP1 (2.4)	SPRYD5 (2.4)
UBE2L3 (2.8)	TUBGCP4 (2.8)	NUDT21 (2.7)	SNX13 (2.7)	DUSP3 (2.4)
CCL17 (2.2)	MYO5B (2.0)	PPP1R1B (1.9)	ABCB9 (1.9)	MPP2 (1.9)
EPB42 (3.3)	C17orf105 (3.1)	ZNF350 (2.6)	STRC (2.4)	ZNF613 (2.3)
HCAR1 (2.5)	TNKS (1.9)	C11orf49 (1.9)	ENSG00000182109 (1	BACE1 (1.8)
MTF2 (2.0)	CSGALNACT1 (2.0)	RAPSN (1.9)	NEUROD2 (1.9)	RSPRY1 (1.8)
CYP26A1 (2.6)	MYBPC3 (2.4)	LRRC29 (2.3)	SOST (2.1)	OR5J2 (1.9)
PSKH1 (2.4)	PGAP3 (2.3)	SNX13 (2.3)	ENSG00000254235 (2	TMEM101 (2.2)
FAM192A (3.2)	NRBF2 (3.1)	DR1 (3.0)	E2F4 (2.9)	RBPJ (2.8)
ABCB9 (2.9)	DGKG (2.8)	PYY (2.5)	MADD (2.4)	MAP1A (2.4)
CES4A (2.6)	CATSPER2 (2.5)	NOL3 (2.1)	CIAPIN1 (2.1)	DDX28 (2.0)
ENSG00000226645 (2	FPR3 (2.1)	PXK (1.9)	HCAR1 (1.9)	SNX13 (1.9)
ENSG00000226645 (2	FPR3 (2.1)	PXK (1.9)	HCAR1 (1.9)	SNX13 (1.9)
TBL2 (3.9)	TMED5 (3.6)	HERPUD1 (3.3)	AMFR (3.1)	G6PC3 (2.9)
DUSP3 (2.9)	MST1R (2.9)	ESRP2 (2.8)	C1orf172 (2.7)	TAGLN (2.5)
ZNF335 (2.4)	CCDC116 (2.3)	PLA2G6 (2.2)	PXK (2.1)	FPR3 (2.0)
NCOA5 (2.1)	ARID1A (2.1)	ZNF664 (2.1)	MTF2 (2.0)	CENPT (2.0)
LILRB2 (2.4)	C7orf50 (2.2)	ZNF614 (2.0)	PXK (2.0)	PARD6A (1.7)
LILRB2 (2.4)	C7orf50 (2.2)	ZNF614 (2.0)	PXK (2.0)	PARD6A (1.7)
TMEM175 (3.9)	SKA1 (3.5)	MPHOSPH9 (2.8)	FEN1 (2.6)	UBE3B (2.5)
CCDC18 (2.4)	PACSIN3 (2.0)	TTC39B (1.9)	MT1H (1.8)	ZNF664 (1.8)
MTCH2 (2.9)	PPIP5K1 (2.3)	NR0B2 (2.1)	CIAPIN1 (2.1)	C18orf32 (2.0)
ABCA8 (2.4)	SLC9A5 (2.3)	TTBK2 (2.1)	GNAO1 (2.0)	ACAA2 (1.9)
OGFOD1 (3.4)	PRMT7 (3.3)	SPG11 (3.1)	ZNF259 (2.8)	VEGFA (2.7)

UVRAG (2.3)	ANGPTL4 (2.2)	FBXL20 (2.2)	SMPD3 (2.1)	RANBP10 (2.0)
OASL (2.5)	MED1 (2.4)	OR5J2 (2.2)	TNKS (2.1)	SBNO1 (2.1)
RSPRY1 (2.8)	CBFB (2.7)	PSKH1 (2.7)	SETD8 (2.6)	FHOD1 (2.4)
PSKH1 (2.4)	WDR76 (2.4)	C1orf172 (2.3)	CCDC18 (2.2)	KLF14 (1.9)
ENSG00000255507 (2	ESRP2 (2.0)	PTPRZ1 (1.9)	ENSG00000226334 (1	MYO5B (1.8)
PPIP5K1 (2.2)	MADD (2.2)	DR1 (2.1)	GNAO1 (2.0)	EIF3J (1.9)
MTCH2 (3.3)	PDHB (3.0)	PPIP5K1 (2.6)	TUBGCP4 (2.5)	TOMM40 (2.4)
NPEPPS (3.1)	CCNDBP1 (3.0)	SPG11 (2.7)	RBM5 (2.7)	JMJD1C (2.6)
GLUL (2.0)	DPEP2 (1.9)	DUSP3 (1.7)	UVRAG (1.7)	ST3GAL4 (1.7)
PRMT7 (2.7)	YDJC (2.7)	C12orf43 (2.5)	C7orf50 (2.4)	GPN2 (2.4)
MPHOSPH9 (3.2)	SKA1 (3.2)	TMEM175 (2.9)	FEN1 (2.2)	EPB42 (2.1)
CCNDBP1 (3.8)	HDAC5 (3.2)	RANBP10 (2.9)	ZNF613 (2.6)	MON1A (2.5)
FRMD5 (2.3)	PDE3A (2.1)	ARHGAP1 (1.9)	C17orf105 (1.8)	MYO1H (1.7)
FRMD5 (2.3)	PDE3A (2.1)	ARHGAP1 (1.9)	C17orf105 (1.8)	MYO1H (1.7)
BAZ1B (2.8)	FBXL20 (2.1)	KLHL8 (2.1)	MED1 (2.1)	MTMR3 (2.0)
C16orf86 (3.3)	MTCH2 (2.8)	NDUFS3 (2.4)	CIAPIN1 (2.3)	DNAH10 (2.1)
ZNF613 (3.3)	CXXC1 (2.9)	ZNF350 (2.8)	CTDSPL2 (2.8)	NCOA5 (2.7)
RAPSN (4.4)	COQ9 (2.9)	PDE3A (2.0)	OR4A21P (1.8)	PLTP (1.7)
DOK4 (3.0)	UBE2L3 (3.0)	DOCK6 (2.4)	REEP3 (2.3)	SFN (2.3)
GALNT2 (2.5)	G6PC3 (2.4)	APOE (2.4)	TMEM175 (2.3)	PPIP5K1 (2.3)
C16orf86 (2.0)	KIAA0754 (1.8)	JMJD1C (1.7)	ENSG00000236267 (1	ENSG00000255507 (1
BACE1 (2.8)	DOCK6 (2.8)	ANGPTL4 (2.5)	FHOD1 (2.4)	GPIHBP1 (2.3)
NUTF2 (2.4)	MED1 (2.1)	C7orf50 (2.1)	ZNF408 (2.0)	FNBP4 (2.0)
PSMB10 (2.6)	RELB (2.6)	NLRC5 (2.5)	SNX10 (2.4)	SPI1 (2.3)
NEUROD2 (2.6)	LRP4 (2.5)	MAP1A (2.5)	C11orf9 (1.9)	KIAA0895L (1.8)
MYO5B (2.6)	DOCK6 (2.5)	KANK2 (2.2)	HDAC5 (2.2)	UBR1 (2.1)
NCOA5 (2.5)	CPNE2 (1.9)	KANK2 (1.9)	C11orf49 (1.9)	G6PC3 (1.8)
ACAA2 (3.5)	MTCH2 (3.3)	EPB42 (3.0)	PTPMT1 (3.0)	NR1H3 (2.3)
ACAA2 (3.5)	MTCH2 (3.3)	EPB42 (3.0)	PTPMT1 (3.0)	NR1H3 (2.3)
MST1R (2.8)	RSPO3 (2.3)	SLC12A3 (2.2)	PPIP5K1 (2.2)	MPHOSPH9 (2.0)
ELMO3 (2.7)	GRB7 (2.7)	HNF4A (2.6)	PPP1R1B (2.4)	ST3GAL4 (2.3)
NUTF2 (3.1)	RBM6 (2.7)	PSMC3 (2.4)	PDIA3 (2.4)	NUP160 (2.3)
LRP4 (2.4)	ENSG00000247445 (2	GPAM (2.3)	CPNE2 (2.2)	TSNAXIP1 (2.2)
ENSG00000247867 (1	ENSG00000226334 (1	RBM5 (1.8)	ZNF614 (1.8)	ARFGAP2 (1.8)
ENSG00000247867 (1	ENSG00000226334 (1	RBM5 (1.8)	ZNF614 (1.8)	ARFGAP2 (1.8)
CELF1 (2.1)	COX19 (2.1)	DUSP3 (2.0)	CMIP (1.9)	EYA3 (1.9)
KLHL8 (2.1)	LRRC29 (2.1)	TRPS1 (2.0)	ACP2 (2.0)	ENSG00000179523 (1
MTCH2 (3.0)	PDHB (2.7)	FAM192A (2.6)	PPIP5K1 (2.1)	SEC14L4 (2.0)
CX3CL1 (3.2)	CELSR2 (3.1)	MPP2 (3.0)	GNAO1 (2.3)	RLTPR (2.2)
TCAP (2.3)	ST3GAL4 (2.2)	ARID1A (2.0)	DUSP3 (1.9)	DCPS (1.9)
PRMT7 (2.8)	ZNF259 (2.7)	PSMC3 (2.6)	NUP160 (2.5)	NUTF2 (2.5)
ARFGAP2 (2.6)	NCOA5 (2.5)	MTCH2 (2.5)	EDC4 (2.5)	TUBGCP4 (2.3)
KLF14 (2.6)	FZD9 (2.4)	TRPS1 (2.1)	G6PC3 (2.1)	ANGPTL4 (2.0)
TUBGCP4 (3.3)	C16orf48 (3.3)	ACD (3.1)	DDB2 (3.1)	DEPDC1 (3.0)
KPNB1 (2.8)	ENSG00000223745 (2	SNORD58C (2.3)	NUTF2 (2.1)	FNBP4 (2.0)
C11orf49 (3.1)	GNAO1 (2.9)	NEUROD2 (2.8)	C12orf43 (2.6)	HDAC5 (2.6)
TNKS (2.7)	EIF3J (2.6)	THAP11 (2.3)	DR1 (2.2)	MIEN1 (2.2)
XKR8 (2.8)	SNX10 (2.2)	C16orf86 (2.0)	SIK3 (2.0)	PITPNM2 (1.9)
PTPMT1 (2.6)	NUP160 (2.6)	GPN2 (2.6)	CXXC1 (2.3)	POLR2C (2.3)
TGM7 (2.2)	CYP26A1 (2.2)	NOL3 (1.9)	SLC9A5 (1.8)	KCTD19 (1.8)

BUD13 (2.6)	OGFOD1 (2.5)	UBR1 (2.3)	PSMC3 (2.3)	RBM6 (2.3)
MT1G (2.3)	MPP2 (2.2)	SLC12A3 (2.2)	OR4A1P (2.1)	GPER (2.1)
NCOA5 (3.1)	RAB11B (2.7)	DR1 (2.6)	CBFB (2.6)	CELF1 (2.5)
C1orf172 (2.4)	ENSG00000181296 (2	CYP26A1 (2.2)	LIPG (2.2)	BCAM (2.1)
FZD9 (2.3)	TP53BP1 (2.2)	PIGV (2.2)	CYP26A1 (2.1)	RSPO3 (1.9)
BCL7B (2.0)	ZDHHC18 (1.9)	SPI1 (1.9)	ADAL (1.8)	CCDC92 (1.8)
DPEP2 (2.1)	MST1R (1.9)	TUBGCP4 (1.9)	ENSG00000223745 (1	UBE3B (1.6)
LRP4 (2.3)	ZNF350 (2.2)	PNMT (2.1)	AMBRA1 (2.1)	CYP26A1 (2.0)
ZNF614 (2.3)	LRRC29 (2.3)	DUS2L (2.3)	BBS2 (2.3)	KIAA0754 (2.2)
ZFAND2A (2.3)	PACSIN3 (2.0)	DUSP3 (1.9)	PVRL2 (1.9)	TTC39B (1.9)
TNKS (2.9)	MYO5B (2.8)	MAP1A (2.7)	CELSR2 (2.6)	C11orf49 (2.5)
TGM5 (2.3)	DGKG (2.2)	KLF14 (2.2)	ENSG00000226645 (2	KANK2 (1.9)
HCAR1 (2.4)	MPP2 (1.9)	PLA2G6 (1.9)	DPEP2 (1.9)	FPR3 (1.8)
DEPDC1 (4.2)	NUP160 (3.5)	DDB2 (3.3)	MTF2 (3.2)	CTDSPL2 (3.2)
FNBP4 (2.2)	PDIA3 (2.0)	CITED2 (1.9)	KPNB1 (1.8)	NCOA5 (1.8)
TNKS (2.4)	KLHL8 (2.4)	ZNF259 (2.4)	SPRYD5 (2.2)	NRBF2 (2.1)
FPR3 (2.3)	APOE (2.2)	CCL22 (1.9)	RLTPR (1.9)	NFATC3 (1.8)
RBM5 (2.7)	RBM6 (2.7)	OASL (2.4)	PDIA3 (1.9)	OR4A21P (1.7)
PARD6A (3.6)	EDC4 (3.6)	PRMT7 (3.4)	TRADD (3.2)	RSPRY1 (3.2)
MLXIPL (2.5)	ANGPTL4 (2.5)	PPP1R1B (2.5)	NR1H3 (2.2)	HCAR1 (2.2)
TTC39B (2.6)	LCMT2 (2.4)	LRRC29 (2.4)	RLTPR (2.2)	DNAH10 (2.1)
PACSIN3 (2.5)	IGF2R (2.0)	NOL3 (2.0)	PLA2G15 (1.8)	ERBB2 (1.8)
SKA1 (3.6)	NUP160 (3.4)	C16orf48 (3.0)	CENPT (3.0)	ACD (2.9)
ZFAND2A (2.4)	HDAC5 (2.2)	ZNF335 (2.1)	BCL7B (2.1)	ENSG00000226645 (2
ABHD6 (2.2)	KCTD6 (2.2)	HNF4A (2.1)	OR5J2 (2.0)	PCSK7 (1.9)
ABCA8 (2.1)	BCAM (2.0)	LRP4 (1.9)	SOST (1.9)	GRB7 (1.8)
TRPS1 (2.7)	ERBB2 (2.4)	OR4A1P (2.3)	RSPO3 (2.2)	ETV5 (2.0)
ST3GAL4 (3.1)	OR5I1 (2.7)	C11orf9 (2.6)	TGM7 (2.2)	NR0B2 (2.1)
TBL2 (3.2)	SPG11 (2.9)	PTPMT1 (2.8)	TMEM101 (2.7)	MIEN1 (2.7)
C7orf50 (2.6)	RBM6 (2.6)	ZNF408 (2.4)	OGFOD1 (2.4)	YDJC (2.3)
RLTPR (2.3)	ACP2 (2.2)	NLRC5 (2.2)	PLA2G6 (2.1)	ABCB9 (1.8)
APOE (2.2)	CD40 (2.1)	CCL22 (1.9)	ZSCAN29 (1.8)	PDIA3 (1.7)
EIF3J (2.8)	SLC7A6OS (2.8)	DDX28 (2.7)	OGFOD1 (2.6)	DUS2L (2.6)
AMBRA1 (2.4)	FHOD1 (2.4)	ARHGAP1 (2.3)	TRADD (2.2)	PPP1R1B (2.1)
LRP4 (3.0)	SOST (2.6)	DNAH10 (2.3)	YDJC (2.1)	TRPS1 (2.1)
DR1 (2.5)	EIF3J (2.5)	SBNO1 (2.4)	GPN2 (2.4)	TNKS (2.4)
MED1 (2.4)	PCIF1 (2.1)	CENPT (2.0)	C11orf49 (2.0)	ARID1A (1.8)
SLC7A6OS (3.0)	DDX28 (2.9)	EIF3J (2.9)	C7orf50 (2.5)	YDJC (2.3)
CCDC116 (2.3)	ESRP2 (2.3)	BMP8A (2.2)	KIAA0754 (2.0)	C1orf172 (2.0)
PYY (2.6)	C12orf65 (2.2)	BMP8A (2.1)	KLF14 (2.0)	FZD9 (2.0)
ENSG00000254235 (2	LRRC29 (1.9)	KCTD19 (1.8)	SPRYD5 (1.7)	ZNF615 (1.6)
PRMT7 (2.3)	EIF3J (2.2)	NUTF2 (2.2)	LCMT2 (2.1)	FNBP4 (2.1)
GPN2 (2.9)	SLC7A6OS (2.7)	NUP160 (2.7)	PRMT7 (2.6)	YDJC (2.5)
MADD (2.2)	TBKBP1 (2.1)	ACAA2 (2.0)	DPEP3 (1.9)	ABCA8 (1.8)
OASL (2.3)	CMIP (2.2)	AMBRA1 (2.1)	HDAC5 (2.1)	MPP2 (2.0)
KBTBD4 (3.0)	TGM5 (2.9)	C1QTNF4 (2.8)	MADD (2.5)	CKAP5 (2.4)
SNORD58C (2.8)	PRMT7 (2.6)	FNBP4 (2.6)	C7orf50 (2.6)	OGFOD1 (2.5)
MTF2 (3.6)	DDB2 (3.4)	CTDSPL2 (3.2)	ACD (3.0)	NUP160 (3.0)
PSMC3 (2.6)	AGBL2 (2.6)	NUDT21 (2.6)	CKAP5 (2.3)	RANBP10 (2.3)
CASC4 (2.4)	YDJC (2.4)	ZNF615 (2.4)	CYP26A1 (2.0)	CCDC92 (2.0)

KCTD6 (2.5)	ACP2 (2.3)	SLC39A13 (2.2)	IGF2R (2.1)	REEP3 (1.9)
DOK4 (2.8)	IGF2R (2.6)	TNKS (2.5)	CYP26A1 (2.5)	SOST (2.4)
IGF2R (2.6)	BACE1 (2.5)	FZD9 (2.5)	MPP2 (2.3)	GPER (2.1)
CATSPER2 (2.7)	ENSG00000254235 (2	GNAO1 (2.2)	MAP1A (2.2)	DNAH10 (2.2)
TGM5 (2.6)	HSF4 (2.5)	TGM7 (2.3)	SMPD3 (2.3)	STRC (2.3)
JMJD1C (2.7)	CTDSPL2 (2.6)	AMBRA1 (2.6)	RBM5 (2.6)	RSPRY1 (2.5)
OR5I1 (2.2)	TRPS1 (2.1)	BBS2 (2.1)	FRMD5 (2.0)	CYP26A1 (1.9)
NRBF2 (3.0)	KBTBD4 (2.9)	MTF2 (2.7)	SLC7A6OS (2.6)	EDC4 (2.5)
ENSG00000223745 (2	CCDC116 (2.1)	KIAA0754 (2.0)	RLTPR (1.8)	ZSCAN29 (1.8)
CCDC11 (2.2)	ST3GAL4 (2.1)	OR4A1P (2.1)	CYP2W1 (2.0)	CD300LG (1.8)
KCTD10 (2.4)	CELF1 (2.3)	TAGLN (2.2)	C11orf49 (2.2)	DCPS (2.2)
PTPMT1 (2.3)	DPEP2 (2.2)	DPEP3 (2.2)	KLF14 (2.2)	DUSP3 (1.9)
ENSG00000247445 (2	DYM (2.4)	PGS1 (2.4)	NUDT21 (2.2)	TMEM101 (2.0)
GRB7 (3.9)	ENSG00000247867 (3	GPIHBP1 (2.6)	ENSG00000236267 (2	DNAH10 (2.4)
HSF4 (2.7)	PNMT (2.7)	KLHL8 (2.1)	ZNF664 (2.1)	CDK12 (2.0)
E2F4 (2.6)	MTF2 (2.4)	THAP11 (2.3)	OGFOD1 (2.3)	UVRAG (2.2)
ZDHHC18 (2.7)	CETP (2.4)	FPR3 (2.3)	ENSG00000226334 (2	ABHD6 (2.2)
PTPRZ1 (3.5)	SMPD3 (3.1)	SOST (2.5)	RBPJ (2.1)	TGM7 (2.1)
MADD (2.5)	YDJC (2.4)	MTCH2 (2.3)	PDHB (2.3)	ZNF613 (2.2)
BAZ1B (2.8)	THAP11 (2.8)	UBR1 (2.7)	SNX13 (2.7)	CTDSPL2 (2.1)
FRMD5 (3.4)	FNBP4 (3.1)	NDUFS3 (2.4)	RBM5 (2.3)	RBM6 (2.2)
CD40 (2.2)	SPRYD5 (2.2)	PGAP3 (2.1)	CSGALNACT1 (2.0)	ARHGAP1 (2.0)
KIAA0754 (2.8)	C11orf49 (2.7)	MACF1 (2.4)	DOCK6 (2.3)	TAGLN (2.3)
PTPRJ (2.5)	ZSCAN29 (2.4)	C16orf70 (2.4)	MYO1H (2.3)	RSPRY1 (2.2)
PSMB10 (3.7)	TMEM208 (3.4)	ENSG00000229043 (3	NDUFS3 (3.1)	CIAPIN1 (2.9)
OGFOD1 (3.0)	GFOD2 (2.8)	NUTF2 (2.8)	ENSG00000247445 (2	DCPS (2.7)
FZD9 (2.7)	KLF14 (2.4)	SFN (2.3)	CMIP (2.2)	PPP1R1B (2.2)
ATG13 (2.6)	TRNP1 (2.4)	PPIP5K1 (2.4)	ETV5 (2.3)	OR4A1P (2.3)
C16orf86 (2.1)	POLR2C (2.1)	C18orf32 (2.1)	ARHGAP1 (2.1)	ZNF335 (1.9)
DDX28 (3.3)	PRMT7 (3.0)	NUDT21 (2.8)	HARBI1 (2.8)	ENSG00000223745 (2
ENSG00000236267 (2	MST1R (2.1)	DPEP2 (2.0)	ZNF664 (1.9)	TUBGCP4 (1.8)
CYP26A1 (2.2)	LIPG (2.1)	DOCK6 (2.0)	GALNT2 (2.0)	SEC14L4 (1.8)
KBTBD4 (3.0)	NUTF2 (2.8)	SNORD58C (2.6)	FNBP4 (2.5)	HARBI1 (2.4)
KBTBD4 (3.0)	NUTF2 (2.8)	SNORD58C (2.6)	FNBP4 (2.5)	HARBI1 (2.4)
PSKH1 (2.7)	UBR1 (2.6)	MYO5B (2.6)	EDC4 (2.4)	HNF4A (2.3)
DDX28 (2.3)	NUTF2 (2.1)	KPNB1 (2.0)	C12orf43 (1.9)	PSMC3 (1.8)
DDX28 (2.3)	NUTF2 (2.1)	KPNB1 (2.0)	C12orf43 (1.9)	PSMC3 (1.8)
DDX28 (2.3)	NUTF2 (2.1)	KPNB1 (2.0)	C12orf43 (1.9)	PSMC3 (1.8)
PCIF1 (2.9)	NUP93 (2.7)	DYM (2.7)	CXXC1 (2.6)	PSMC3 (2.6)
C16orf48 (3.6)	NUP160 (3.5)	DDB2 (3.2)	BAZ1B (3.2)	CTDSPL2 (2.7)
ARID1A (3.0)	PGAP3 (2.9)	MED1 (2.7)	CDK12 (2.7)	LSM12 (2.4)
CD40 (3.0)	ACP2 (2.4)	DDB2 (2.3)	CETP (2.2)	NR1H3 (1.9)
CYP26A1 (2.2)	BCAM (2.2)	LRP4 (2.2)	GRB7 (2.2)	TNKS (2.1)
C17orf57 (2.4)	COBLL1 (2.1)	ZNF614 (2.0)	BMP8A (1.9)	TRADD (1.8)
DEPDC1 (3.7)	DDB2 (3.4)	C16orf48 (2.4)	NUP160 (2.3)	CENPT (2.0)
FPR3 (2.1)	CD40 (2.0)	RLTPR (1.9)	NFATC3 (1.9)	CCL22 (1.9)
FPR3 (2.1)	CD40 (2.0)	RLTPR (1.9)	NFATC3 (1.9)	CCL22 (1.9)
FPR3 (2.1)	CD40 (2.0)	RLTPR (1.9)	NFATC3 (1.9)	CCL22 (1.9)
FPR3 (2.1)	CD40 (2.0)	RLTPR (1.9)	NFATC3 (1.9)	CCL22 (1.9)
ABCA8 (1.9)	PLTP (1.8)	LRP4 (1.8)	KIAA0754 (1.6)	MLXIPL (1.6)

CYP26A1 (2.4)	NEUROD2 (2.3)	ABCB9 (2.3)	PPP1R1B (2.3)	GNAO1 (2.2)
KLF14 (2.7)	CYP26A1 (2.0)	SLC39A13 (2.0)	C12orf65 (2.0)	HSF4 (1.9)
ENSG00000247867 (2	TRADD (2.6)	CCNDBP1 (2.3)	C17orf105 (2.3)	NUDT21 (2.1)
CXXC1 (2.9)	MBD1 (2.5)	GPER (2.3)	JMJD1C (2.3)	NRBF2 (2.2)
MST1R (2.6)	TBKBP1 (2.5)	RSPO3 (2.5)	GFOD2 (2.4)	LRP4 (2.4)
ZNF408 (2.9)	ARHGAP1 (2.7)	DUS2L (2.5)	PRMT7 (2.5)	DYM (2.5)
FNBP4 (2.5)	SNORD58C (2.5)	MFAP1 (2.5)	C12orf43 (2.4)	UBE2L3 (2.4)
EIF3J (2.8)	PRMT7 (2.8)	CXXC1 (2.7)	NDUFS3 (2.7)	NUP93 (2.4)
LCMT2 (2.5)	SKA1 (2.4)	KIAA0895L (2.4)	CCDC18 (2.4)	HARBI1 (2.3)
FRMD5 (2.7)	SMPD3 (2.2)	MT1F (2.1)	ENSG00000179523 (2	LRRC29 (2.0)
AMBRA1 (3.3)	PIGV (3.1)	GPN2 (3.0)	AGBL2 (2.4)	CES4A (2.4)
TBKBP1 (2.7)	PLEKHG4 (2.5)	MST1R (2.4)	SIDT2 (2.4)	SLC12A4 (2.3)
LRP4 (2.3)	C11orf9 (2.2)	ABHD6 (1.9)	FRMD5 (1.7)	SLC7A6OS (1.7)
PTPRZ1 (2.8)	SOST (2.7)	DOK4 (2.3)	BCAM (2.2)	PSKH1 (2.2)
CCDC116 (2.4)	ZNF615 (2.3)	PIGV (2.3)	HCAR1 (2.3)	PDE3A (2.2)
POLR2C (2.6)	NDUFS3 (2.6)	CLPTM1 (2.5)	OR5J2 (1.9)	ENSG00000236267 (1
PIGV (2.9)	RELB (2.7)	CCL17 (2.6)	DDB2 (2.5)	PSMB10 (2.4)
CKAP5 (2.9)	DEPDC1 (2.8)	SKA1 (2.7)	CASC4 (2.4)	DPEP3 (2.1)
CKAP5 (2.9)	DEPDC1 (2.8)	SKA1 (2.7)	CASC4 (2.4)	DPEP3 (2.1)
ABCB9 (2.6)	NLRC5 (2.3)	PCSK7 (2.1)	ENSG00000236267 (2	SPI1 (2.0)
ABCB9 (2.6)	NLRC5 (2.3)	PCSK7 (2.1)	ENSG00000236267 (2	SPI1 (2.0)
ABCB9 (2.6)	NLRC5 (2.3)	PCSK7 (2.1)	ENSG00000236267 (2	SPI1 (2.0)
OGFOD1 (2.6)	UBE2L3 (2.6)	THAP11 (2.5)	RAB11B (2.3)	RNF214 (2.3)
RANBP10 (3.0)	TP53BP1 (2.9)	MACF1 (2.6)	CCNDBP1 (2.6)	ARID1A (2.4)
MTCH2 (3.3)	PPIP5K1 (2.7)	COX19 (2.3)	MPHOSPH9 (2.2)	C18orf32 (2.1)
LRRC29 (2.9)	YDJC (2.8)	CCDC116 (2.7)	TMEM175 (2.7)	C7orf50 (2.7)
MST1R (2.6)	MYO5B (2.3)	PPP1R1B (2.2)	ABHD6 (2.0)	MPP2 (2.0)
C12orf43 (2.5)	DDX28 (2.5)	PRMT7 (2.4)	RBM6 (2.4)	CXXC1 (2.3)
PRMT7 (3.0)	C12orf43 (2.4)	YDJC (2.4)	NUP160 (2.4)	LCMT2 (2.3)
KLF14 (2.6)	GPER (2.4)	ST3GAL4 (2.3)	CSGALNACT1 (2.2)	FRMD5 (2.2)
ABCA8 (2.8)	MAP1A (2.5)	BCAM (2.3)	KLF14 (2.1)	MACF1 (1.9)
BAZ1B (2.9)	TBKBP1 (2.7)	SNORD58C (2.6)	CYP2W1 (2.3)	SBNO1 (2.2)
NUP160 (3.4)	SKA1 (3.2)	C16orf48 (3.1)	ACD (2.7)	CENPT (2.7)
IGF2R (2.6)	MYBPC3 (2.5)	RAPSN (2.4)	BCAM (2.2)	LILRA3 (2.1)
CLPTM1 (3.7)	SDF2L1 (3.7)	C18orf32 (3.5)	TMEM101 (3.3)	ZDHHC18 (3.0)
TGM5 (2.1)	SIK3 (2.0)	TRPS1 (1.9)	HDAC5 (1.9)	ZNF664 (1.9)
NCOA5 (2.2)	MTF2 (2.2)	ARID1A (2.1)	ZNF664 (2.1)	CENPT (2.0)
MT1E (3.0)	SETD8 (2.9)	MT1H (2.5)	CBFB (2.5)	CKAP5 (2.4)
ENSG00000247445 (2	HSF4 (2.7)	ADAL (2.6)	POLR2C (2.4)	ELMO3 (2.3)
RSPO3 (2.8)	PPP1R1B (2.6)	ERBB2 (2.3)	IGF2R (2.1)	KLF14 (1.9)
KIAA0895L (2.6)	CBFB (2.4)	ZNF664 (2.4)	PVRL2 (2.3)	GFOD2 (2.2)
TP53BP1 (2.1)	PTPRZ1 (2.0)	C16orf48 (2.0)	RSPO3 (2.0)	TSNAXIP1 (2.0)
KBTBD4 (3.1)	BCL7B (3.0)	OR4A1P (2.9)	MED1 (2.9)	KCTD6 (2.8)
MYBPC3 (3.0)	ARHGAP1 (2.6)	KANK2 (2.4)	UBE3B (2.3)	KCTD19 (2.2)
CCNDBP1 (2.7)	BUD13 (2.7)	ARFGAP2 (2.7)	OR4A1P (2.6)	PSMC3 (2.5)
G6PC3 (1.8)	CELSR2 (1.7)	LRP4 (1.7)	NEUROD2 (1.7)	TUBGCP4 (1.5)
DDB2 (2.8)	CENPT (2.8)	MPHOSPH9 (2.7)	CCDC18 (2.6)	SKA1 (2.3)
ZNF335 (2.2)	SPRYD5 (2.1)	ADAL (2.1)	DR1 (2.0)	BUD13 (2.0)
CCDC18 (3.1)	CTDSPL2 (2.9)	BAZ1B (2.8)	C16orf48 (2.8)	FEN1 (2.6)
CCNDBP1 (2.8)	TUBGCP4 (2.5)	SNX13 (2.3)	ADAL (2.3)	DYM (2.1)

CELSR2 (2.5)	KCTD6 (2.3)	ERBB2 (2.1)	JMJD1C (2.0)	BBS2 (2.0)
BBS2 (2.8)	FNBP4 (2.8)	LRRC29 (2.6)	ENSG00000226645 (2	ENSG00000223745 (2
GPN2 (2.6)	C7orf50 (2.4)	PRMT7 (2.3)	OGFOD1 (2.2)	RBM6 (2.0)
FBXL20 (2.6)	FEN1 (2.5)	BAZ1B (2.5)	UVRAG (2.5)	B3GNT9 (2.4)
TMEM175 (2.9)	CENPT (2.8)	STRC (2.5)	UBE3B (2.5)	MPHOSPH9 (2.5)
HSF4 (2.3)	VEGFA (2.3)	HERPUD1 (2.2)	KIAA0895L (1.9)	DYM (1.8)
SBNO1 (2.5)	POLR2C (2.5)	ENSG00000179523 (2	GPN2 (2.4)	INTS10 (2.3)
EPB42 (3.3)	C17orf105 (2.6)	STRC (2.6)	ZNF350 (2.4)	ZNF613 (2.3)
LSM12 (2.8)	BCL7B (2.6)	ENSG00000236267 (2	PIGV (2.4)	AMFR (2.3)
BACE1 (2.1)	KCTD6 (2.0)	KCTD19 (2.0)	ZNF615 (2.0)	DOCK6 (1.9)
ZNF335 (2.5)	E2F4 (2.4)	PRMT7 (2.3)	YDJC (2.3)	RBM6 (2.2)
MTCH2 (3.8)	PTPMT1 (2.9)	TMEM208 (2.7)	CIAPIN1 (2.6)	PPIP5K1 (2.5)
FNBP4 (2.1)	SNX13 (1.7)	KPNB1 (1.7)	UBE2L3 (1.6)	OR4A21P (1.6)
NUTF2 (2.1)	HARBI1 (2.0)	ZNF350 (2.0)	PLA2G15 (1.9)	AMFR (1.9)
COX19 (2.9)	ZFAND2A (2.7)	TMEM208 (2.7)	MTCH2 (2.4)	POLR2C (2.4)
NR0B2 (2.5)	DGKG (2.4)	MT1G (2.4)	MT1H (2.3)	C1orf172 (2.3)
GPER (2.2)	CELF1 (2.1)	LCMT2 (2.1)	GLUL (2.1)	C1QTNF4 (2.0)
C16orf48 (4.1)	NUDT21 (3.3)	PARD6A (3.2)	DDB2 (3.2)	NUP160 (3.1)
HARBI1 (3.0)	UBR1 (3.0)	TBL2 (3.0)	ADAL (2.7)	HERPUD1 (2.7)
EDC4 (2.3)	BUD13 (2.3)	FAM192A (2.1)	ARID1A (1.8)	ZNF335 (1.8)
RSPO3 (2.8)	TAGLN (2.5)	OR5L2 (2.4)	TGM5 (2.4)	FADS1 (2.3)
G6PC3 (3.4)	MIEN1 (2.8)	PGAP3 (2.7)	PSKH1 (2.6)	LRRC29 (2.5)
ETV5 (2.6)	FBXL20 (2.5)	KCTD6 (2.1)	PTPRZ1 (2.1)	RSPO3 (2.0)
TECTB (2.1)	PIGV (2.0)	ENSG00000255507 (2	ENSG00000247445 (1	ENSG00000229043 (1
GNAO1 (2.6)	TRNP1 (2.4)	C1QTNF4 (2.4)	MAP1A (2.4)	RLTPR (2.4)
PPY (2.4)	CTRL (2.4)	HNF4A (2.3)	DNAH10 (2.0)	BCAM (1.7)
TRNP1 (2.4)	BACE1 (2.2)	C1QTNF4 (2.2)	RLTPR (2.2)	C11orf9 (1.9)
SLC22A1 (2.2)	ENSG00000236267 (1	OR5I1 (1.8)	RSPRY1 (1.8)	CES4A (1.7)
SLC22A1 (2.2)	ENSG00000236267 (1	OR5I1 (1.8)	RSPRY1 (1.8)	CES4A (1.7)
PDIA3 (3.9)	C16orf86 (3.6)	CATSPER2 (3.3)	TMED5 (3.2)	LRRC29 (2.9)
LILRB2 (2.2)	SNX10 (2.1)	DNAH10 (2.1)	DPEP3 (2.1)	G6PC3 (1.8)
GNAO1 (2.5)	CPNE2 (2.3)	SNX10 (2.1)	MADD (2.1)	CCDC92 (2.0)
MT1H (2.3)	MT1F (2.2)	LRRC29 (2.2)	MT1G (2.1)	C18orf32 (2.0)
DDX28 (2.4)	CES4A (2.3)	DUS2L (2.3)	LIPG (2.2)	PXK (2.2)
CELF1 (2.6)	CX3CL1 (2.6)	DGKG (2.6)	PPP1R1B (2.5)	PPIP5K1 (2.4)
ENSG00000229043 (3	RANBP10 (2.8)	NUTF2 (2.7)	POLR2C (2.7)	GFOD2 (2.6)
FRMD5 (3.8)	COQ9 (2.8)	RAPSN (2.0)	ANGPTL4 (1.8)	ARHGAP1 (1.6)
C16orf48 (3.6)	SLC9A5 (3.2)	PARD6A (2.9)	ACD (2.9)	CENPT (2.6)
ABCB9 (2.7)	ZNF615 (2.5)	CYP26A1 (2.3)	ETV5 (2.3)	ENSG00000229043 (2
MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.9)	PSMB10 (2.3)	COX19 (2.2)
CYP26A1 (2.5)	SOST (2.5)	MYBPC3 (2.3)	LRRC29 (2.2)	COX19 (1.9)
TRPS1 (1.9)	LRP4 (1.8)	RSPO3 (1.7)	PTPRZ1 (1.6)	PTPMT1 (1.5)
RLTPR (2.4)	APOC1 (2.4)	SPI1 (2.3)	CD40 (2.3)	SNX10 (2.1)
PTPRZ1 (3.0)	SMPD3 (2.7)	SOST (2.6)	FZD9 (2.6)	STRC (2.5)
PTPRZ1 (2.9)	FADS2 (2.5)	FZD9 (2.4)	LRP4 (2.2)	MMAB (2.1)
PPP1R1B (2.4)	C16orf70 (2.4)	PYY (2.2)	HSF4 (2.1)	OGFOD1 (2.1)
C12orf43 (3.0)	C7orf50 (2.7)	PRMT7 (2.7)	SLC7A6OS (2.6)	OGFOD1 (2.4)
DEPDC1 (3.8)	DDB2 (3.2)	NUP160 (2.9)	CTDSPL2 (2.8)	BAZ1B (2.6)
PRMT7 (3.4)	EDC4 (3.4)	CIAPIN1 (3.2)	DR1 (3.2)	GPN2 (3.1)
PSMB10 (2.5)	PDIA3 (2.3)	IGF2R (2.2)	CLPTM1 (2.1)	MIEN1 (2.1)

TOMM40 (3.1)	MFAP1 (2.9)	DUS2L (2.9)	ARFGAP2 (2.9)	ZNF259 (2.6)
EIF3J (2.9)	DDX28 (2.5)	SLC7A6OS (2.5)	GPN2 (2.5)	SNORD58C (2.5)
SDF2L1 (2.0)	CATSPER2 (1.8)	DDB2 (1.8)	ELMO3 (1.7)	OR5L2 (1.7)
UBR1 (2.7)	RAB11B (2.6)	SBNO1 (2.6)	MED1 (2.5)	AFF1 (2.4)
LRP4 (2.5)	KCTD6 (2.5)	MYO5B (2.5)	ENSG00000254235 (2	MBD1 (2.3)
KLF14 (2.3)	STRC (1.9)	ATG13 (1.8)	NR1H3 (1.8)	HDAC5 (1.7)
AGBL2 (2.4)	PPIP5K1 (2.3)	TSNAXIP1 (2.3)	NDUFS3 (2.1)	C18orf32 (2.1)
OR5I1 (2.1)	C16orf86 (2.0)	CMIP (2.0)	RAPSN (1.8)	HNF4A (1.7)
CCL17 (2.3)	CCL22 (2.2)	ENSG00000236267 (2	SPRYD5 (2.2)	ZNF615 (2.0)
ENSG00000181123 (2	CCDC11 (2.4)	ZNF614 (2.4)	C16orf86 (2.2)	ENSG00000256746 (2
OGFOD1 (2.7)	PRMT7 (2.7)	KPNB1 (2.7)	TOMM40 (2.6)	DUS2L (2.3)
XKR8 (1.9)	KLF14 (1.9)	TTC39B (1.8)	CSGALNACT1 (1.8)	MST1R (1.6)
MTF2 (3.7)	CTDSPL2 (3.6)	DDB2 (3.6)	NUP160 (3.5)	DEPDC1 (3.1)
KIAA0754 (2.9)	CENPT (2.8)	PTPMT1 (2.8)	KIAA0895L (2.7)	ARFGAP2 (2.7)
DNAH10 (2.2)	ABCA8 (2.0)	TNKS (1.9)	PYY (1.8)	HNF4A (1.7)
COQ9 (3.8)	BBS2 (3.5)	PRMT7 (3.4)	DDX28 (3.2)	DUS2L (3.1)
C1QTNF4 (2.9)	MST1R (2.6)	TTC39B (2.5)	MADD (2.5)	DCPS (2.5)
DUSP3 (1.9)	GPR146 (1.8)	OR5J2 (1.8)	ABHD6 (1.7)	FPR3 (1.6)
DUSP3 (1.9)	GPR146 (1.8)	OR5J2 (1.8)	ABHD6 (1.7)	FPR3 (1.6)
RBM5 (2.3)	NCOA5 (2.2)	PDIA3 (2.1)	DDX28 (2.0)	KPNB1 (1.9)
RAB11B (2.4)	NFATC3 (2.3)	ZNF664 (2.3)	NPEPPS (2.2)	CBFB (2.1)
LIPG (2.2)	ENSG00000182109 (2	B3GNT9 (2.0)	KCTD19 (1.9)	ACP2 (1.9)
SIK3 (2.6)	DUSP3 (2.5)	SPG11 (2.4)	UBE3B (2.3)	ESRP2 (2.3)
TSNAXIP1 (3.1)	TRPS1 (2.9)	ERBB2 (2.7)	TP53BP1 (2.7)	DOK4 (2.5)
MPP2 (3.2)	C1QTNF4 (3.0)	CELSR2 (2.8)	DGKG (2.7)	CMIP (2.3)
SLC9A5 (2.2)	PITPNM2 (2.2)	MPP2 (2.1)	HCAR1 (2.1)	MAP1A (2.0)
ENSG00000226334 (2	OR4A21P (2.1)	LRRC29 (1.9)	ZNF614 (1.9)	COX19 (1.8)
ENSG00000255507 (2	ENSG00000247445 (2	ST3GAL4 (1.8)	SCARB1 (1.7)	ENSG00000223745 (1
GPER (2.6)	SLC12A3 (2.6)	RLTPR (2.4)	ACP2 (2.4)	LRRC29 (2.3)
MAFF (2.4)	JMJD1C (2.3)	ARID1A (2.2)	DYM (2.1)	UBR1 (2.1)
COQ9 (3.3)	FRMD5 (2.6)	RAPSN (2.4)	PDE3A (1.8)	DPEP2 (1.6)
C11orf49 (3.0)	RELB (2.9)	EIF3J (2.9)	NOL3 (2.7)	SPG11 (2.6)
DEPDC1 (3.6)	DNAH10 (2.9)	MPHOSPH9 (2.8)	EDC4 (2.6)	UBE3B (2.5)
ENSG00000181123 (2	FBXL20 (2.3)	C1orf172 (2.2)	ELMO3 (2.1)	TRIB1 (2.1)
SNX10 (2.3)	MTF2 (2.2)	ZDHHC18 (2.2)	CBFB (2.1)	CD40 (2.0)
ACP2 (2.3)	CITED2 (2.2)	ENSG00000256746 (2	CD300LG (2.1)	TGM7 (2.1)
SPG11 (2.3)	IGF2R (2.2)	TP53BP1 (2.1)	TGM5 (2.1)	SBNO1 (2.0)
EIF3J (2.7)	TOMM40 (2.7)	MT1G (2.6)	ZNF408 (2.5)	SLC7A6 (2.5)
ZNF259 (3.1)	GPN2 (2.9)	CATSPER2 (2.3)	TMED5 (1.9)	C12orf43 (1.8)
MTCH2 (3.2)	DCPS (2.8)	NDUFS3 (2.5)	C11orf49 (2.5)	ARHGAP1 (2.4)
TCAP (2.7)	KANK2 (2.5)	PDHB (2.0)	FRMD5 (2.0)	ENSG00000182109 (1
NOL3 (2.5)	PSMB10 (2.5)	SNX10 (2.4)	XKR8 (2.4)	RELB (2.2)
SETD8 (2.7)	TUBGCP4 (2.7)	EIF3J (2.6)	NPEPPS (2.4)	CBFB (2.4)
TRNP1 (2.9)	PARD6A (2.8)	GFOD2 (2.3)	ABHD6 (2.3)	CELSR2 (2.3)
ENSG00000182109 (2	BACE1 (2.1)	CELSR2 (1.9)	ABHD6 (1.9)	KIAA0895L (1.9)
ARFGAP2 (2.4)	PSMC3 (2.3)	NDUFS3 (2.1)	PDHB (2.1)	C12orf43 (2.1)
ZNF335 (3.5)	TMEM101 (3.5)	MED1 (3.2)	PCSK7 (3.1)	ZNF408 (2.9)
NDUFS3 (3.0)	E2F4 (2.9)	TP53BP1 (2.8)	CIAPIN1 (2.6)	DDX28 (2.4)
TRADD (2.8)	INTS10 (2.4)	TGM7 (2.2)	AGBL2 (2.1)	NRBF2 (2.1)
TNKS (2.3)	ENSG00000226334 (2	TGM5 (2.0)	TMEM101 (2.0)	ERBB2 (1.9)

COQ9 (3.1)	KBTBD4 (2.8)	COX19 (2.5)	PGS1 (2.4)	NR0B2 (2.0)
C12orf43 (2.4)	DUS2L (2.3)	DDX28 (2.1)	NCOA5 (2.1)	LCMT2 (2.0)
FPR3 (2.2)	RLTPR (2.1)	CD40 (2.1)	CCL22 (2.0)	NFATC3 (1.8)
DR1 (2.0)	POLR2C (1.9)	OASL (1.9)	B3GNT9 (1.8)	FAM192A (1.8)
ENSG00000226334 (2	HERPUD1 (2.7)	SNORD58C (2.7)	TMEM208 (2.5)	DYM (2.3)
NEUROD2 (2.8)	MAP1A (2.6)	LRP4 (2.3)	ENSG00000247867 (2	C11orf9 (2.0)
ETV5 (2.6)	DNAH10 (2.6)	ENSG00000229043 (2	RSPO3 (2.5)	ZNF615 (2.4)
PNMT (2.2)	PTPRJ (2.1)	CCDC92 (2.0)	FHOD1 (1.9)	ABCA8 (1.9)
SLC9A5 (2.2)	KCTD19 (2.1)	SNX13 (2.0)	PCSK7 (1.9)	LRRC29 (1.8)
CELSR2 (2.5)	MAFF (2.2)	TGM7 (2.2)	NOL3 (2.1)	GPIHBP1 (2.1)
KPNB1 (2.2)	PRMT7 (2.1)	ARFGAP2 (2.1)	OGFOD1 (2.0)	C11orf49 (2.0)
CSGALNACT1 (2.3)	HNF1A (2.3)	MYO1H (2.2)	C12orf65 (2.0)	TRNP1 (2.0)
DEPDC1 (4.0)	CTDSPL2 (3.1)	NUP160 (3.0)	MTF2 (3.0)	ACD (3.0)
GRB7 (2.8)	PNMT (2.8)	C12orf65 (2.7)	ZNF664 (2.5)	PGAP3 (2.5)
C12orf43 (2.8)	EIF3J (2.8)	C12orf65 (2.2)	ZNF614 (2.2)	PNMT (2.1)
FRMD5 (2.9)	MST1R (2.4)	RAPSN (2.3)	IGF2R (2.3)	DOCK6 (2.3)
KIAA0895L (2.6)	GPER (2.6)	LIPG (2.5)	C11orf49 (2.2)	NEUROD2 (2.0)
KIAA0895L (2.6)	GPER (2.6)	LIPG (2.5)	C11orf49 (2.2)	NEUROD2 (2.0)
BCL7B (2.6)	GPER (2.5)	CBFB (2.5)	THAP11 (2.5)	UBE2L3 (2.4)
ENSG00000236267 (2	ABCB9 (2.3)	ADAL (2.2)	ZSCAN29 (2.1)	PCSK7 (2.0)
ENSG00000236267 (2	ABCB9 (2.3)	ADAL (2.2)	ZSCAN29 (2.1)	PCSK7 (2.0)
PYY (2.8)	CELF1 (2.8)	PAFAH1B2 (2.4)	REEP3 (2.3)	HDAC5 (2.1)
ARFGAP2 (3.1)	C16orf70 (3.0)	CCNDBP1 (2.9)	ZFAND2A (2.7)	RSPRY1 (2.6)
FRMD5 (2.5)	MYBPC3 (2.4)	PNMT (2.3)	MTMR3 (2.0)	ARID1A (2.0)
MTF2 (3.4)	SKA1 (3.2)	WDR76 (3.1)	TUBGCP4 (2.7)	NUP160 (2.7)
ARFGAP2 (3.2)	NUTF2 (3.2)	PDIA3 (2.9)	HARBI1 (2.9)	ATG13 (2.4)
ARFGAP2 (3.2)	NUTF2 (3.2)	PDIA3 (2.9)	HARBI1 (2.9)	ATG13 (2.4)
TAGLN (2.7)	ZNF335 (2.5)	DOCK6 (2.4)	KBTBD4 (2.3)	ZNF259 (2.1)
EIF3J (3.0)	ZNF335 (2.9)	SLC7A6 (2.8)	FNBP4 (2.8)	PRMT7 (2.5)
MACF1 (3.0)	ARHGAP1 (3.0)	SNORD58C (2.7)	KCTD10 (2.7)	BAZ1B (2.4)
CTDSPL2 (3.7)	NUP160 (3.6)	OASL (3.4)	MTF2 (3.0)	ACD (2.5)
PRMT7 (2.6)	LCMT2 (2.4)	MIEN1 (2.2)	NUP160 (2.1)	BUD13 (2.0)
C16orf70 (3.0)	ARFGAP2 (3.0)	RSPRY1 (2.9)	CCNDBP1 (2.8)	ZFAND2A (2.6)
ZNF259 (2.5)	DDX28 (2.4)	EIF3J (2.3)	ENSG00000226334 (2	NCOA5 (2.0)
SFN (2.7)	ST3GAL4 (2.4)	TMEM101 (2.3)	MYO5B (2.2)	C1orf172 (2.0)
JMJD1C (3.0)	MADD (2.9)	MACF1 (2.9)	MED1 (2.9)	FNBP4 (2.7)
NPEPPS (2.1)	MST1R (2.1)	DOCK6 (2.0)	PITPNM2 (2.0)	POLR2C (2.0)
SLC22A1 (2.5)	SOST (2.3)	RSPRY1 (2.0)	BBS2 (1.8)	IGF2R (1.8)
ARHGAP1 (4.0)	KANK2 (3.0)	MYO5B (2.8)	PVRL2 (2.6)	PTPRJ (2.6)
FADS1 (2.3)	KPNB1 (2.3)	FBXL20 (2.3)	ZNF664 (2.3)	LIPG (2.0)
TRPS1 (3.7)	PTPRZ1 (2.4)	STRC (2.4)	SMPD3 (2.1)	PDE3A (2.1)
ACAA2 (3.8)	MTCH2 (3.1)	NR1H3 (2.8)	DUS2L (2.4)	PRMT7 (2.4)
C16orf48 (3.6)	SKA1 (3.5)	ACD (3.4)	CENPT (3.3)	DEPDC1 (3.0)
KANK2 (2.6)	C17orf57 (2.3)	OR5J2 (2.3)	KCTD10 (2.1)	PITPNM2 (2.1)
YDJC (2.9)	PRMT7 (2.9)	GFOD2 (2.8)	TRADD (2.8)	C16orf48 (2.8)
NUTF2 (2.4)	NOL3 (2.4)	ENSG00000229043 (2	HARBI1 (2.3)	MTCH2 (2.2)
MACF1 (2.5)	MED1 (2.3)	RBM6 (2.2)	PGS1 (2.1)	UBE3B (2.1)
BACE1 (2.6)	G6PC3 (2.6)	CASC4 (2.6)	REEP3 (2.5)	KCTD19 (2.4)
BCL7B (2.3)	HDAC5 (2.1)	MADD (2.1)	ENSG00000247867 (1	LRRC29 (1.8)
FAM192A (3.2)	KCTD6 (3.0)	EDC4 (2.9)	C16orf48 (2.7)	PSKH1 (2.6)

DEPDC1 (3.9)	CTDSPL2 (3.1)	DDB2 (3.1)	NUP160 (2.9)	BAZ1B (2.7)
PIGV (3.6)	PCSK7 (3.3)	CDK12 (3.1)	CES4A (3.1)	TMED5 (2.9)
KCTD6 (3.3)	ZNF664 (2.8)	C18orf32 (2.8)	ZNF350 (2.6)	KIAA0754 (2.6)
EXOC3L1 (2.7)	PITPNM2 (2.6)	GPIHBP1 (2.6)	TBKBP1 (2.4)	TRNP1 (2.4)
RAB11B (2.2)	TTC39B (2.2)	LRP4 (2.1)	REEP3 (2.1)	OR4A21P (2.0)
PTPMT1 (1.6)	MT1X (1.5)	CCDC116 (1.5)	TTBK2 (1.4)	CES4A (1.4)
FRMD5 (3.2)	KCTD19 (2.6)	RAPSN (2.1)	DOK4 (1.8)	OR4A21P (1.7)
MACF1 (2.8)	KANK2 (2.8)	PAFAH1B2 (2.4)	ARHGAP1 (2.4)	ZNF664 (2.3)
YDJC (2.5)	ZNF408 (2.5)	ENSG00000226645 (2	DDX28 (2.4)	TOMM40 (2.3)
CKAP5 (3.1)	NUP93 (3.1)	PRMT7 (3.0)	C11orf49 (2.7)	NUDT21 (2.6)
CKAP5 (3.1)	NUP93 (3.1)	PRMT7 (3.0)	C11orf49 (2.7)	NUDT21 (2.6)
CKAP5 (3.1)	NUP93 (3.1)	PRMT7 (3.0)	C11orf49 (2.7)	NUDT21 (2.6)
CCNDBP1 (4.0)	HDAC5 (3.8)	RANBP10 (3.2)	ZNF613 (2.8)	HARBI1 (2.5)
PGS1 (2.4)	GALNT2 (2.2)	HCAR1 (2.1)	GPR146 (2.0)	CPNE2 (1.9)
ZNF259 (2.7)	KPNB1 (2.7)	TOMM40 (2.6)	EIF3J (2.5)	NUTF2 (2.4)
SPRYD5 (2.2)	DOCK6 (2.0)	ENSG00000254235 (2	PACSIN3 (1.9)	DOK4 (1.9)
SDF2L1 (1.9)	CATSPER2 (1.7)	ELMO3 (1.7)	ACAA2 (1.7)	PGAP3 (1.7)
NOL3 (2.5)	NEUROD2 (2.5)	CIAPIN1 (2.3)	MPP3 (2.0)	KIAA0895L (2.0)
FHOD1 (2.2)	PDE3A (2.1)	ST3GAL4 (2.1)	LPL (2.1)	TGM7 (1.9)
GNAO1 (2.5)	NEUROD2 (2.5)	RLTPR (2.5)	C11orf49 (2.5)	MPP3 (2.4)
OGFOD1 (3.0)	NUTF2 (2.8)	TOMM40 (2.8)	SNORD58C (2.5)	SBNO1 (2.3)
MTCH2 (3.0)	COX19 (2.4)	PPIP5K1 (2.3)	NR0B2 (2.0)	CIAPIN1 (2.0)
CELSR2 (2.2)	KIAA0754 (2.2)	LRRC29 (2.2)	ABCB9 (2.0)	PPP1R1B (1.9)
TTC39B (2.5)	PCSK7 (2.4)	AMFR (2.3)	OR4A1P (2.2)	ZNF335 (2.1)
PDHB (2.4)	DDX28 (2.4)	YDJC (2.4)	NRBF2 (2.2)	C12orf65 (2.2)
MPP2 (2.4)	DDB2 (2.3)	CELSR2 (2.0)	PLEKHG4 (1.9)	PGS1 (1.9)
TRNP1 (2.4)	MPP3 (2.4)	STRC (2.2)	SLC12A3 (2.2)	EXOC3L1 (2.1)
PACSIN3 (3.2)	KANK2 (3.1)	SFN (2.9)	FRMD5 (2.8)	MACF1 (2.7)
PARD6A (3.2)	CIAPIN1 (3.0)	ACD (3.0)	RSPRY1 (2.9)	CCNDBP1 (2.9)
HNF1A (2.1)	KCTD19 (2.0)	ST3GAL4 (1.8)	HSF4 (1.7)	VEGFA (1.6)
OASL (2.7)	ENSG00000182109 (2	NLRC5 (2.1)	EYA3 (2.1)	CLPTM1 (2.0)
PAFAH1B2 (2.7)	RANBP10 (2.6)	SBNO1 (2.6)	OGFOD1 (2.4)	CDK12 (2.4)
MPP2 (2.9)	CX3CL1 (2.8)	MAP1A (2.4)	C11orf49 (2.2)	RLTPR (2.2)
SDF2L1 (1.9)	CATSPER2 (1.8)	CETP (1.7)	ACAA2 (1.7)	ABHD6 (1.6)
ARHGAP1 (2.6)	ENSG00000181296 (2	TRNP1 (2.3)	DUSP3 (2.2)	KCTD10 (2.1)
FHOD1 (3.1)	KIAA0754 (2.6)	SPI1 (2.5)	LILRA3 (2.4)	MYO1H (2.3)
PGS1 (2.3)	COQ9 (2.1)	NLRC5 (1.9)	CTRL (1.8)	TOMM40 (1.7)
AMFR (2.1)	RSPRY1 (2.0)	NUDT21 (2.0)	OR4A1P (2.0)	NPEPPS (2.0)
OR5J2 (2.6)	DNAH10 (2.5)	CSGALNACT1 (2.4)	B3GNT9 (2.4)	ENSG00000255507 (2
CXXC1 (3.2)	KBTBD4 (3.0)	C12orf43 (3.0)	ARFGAP2 (2.9)	RAB11B (2.9)
CMIP (2.1)	NUDT21 (2.0)	KPNB1 (1.9)	OR4A21P (1.9)	KLF14 (1.9)
SOST (2.2)	OR4A21P (2.1)	JMJD1C (2.0)	FZD9 (1.8)	RSPO3 (1.7)
UBE3B (2.5)	KANK2 (2.5)	MYO1H (2.5)	DOCK6 (2.4)	TAGLN (2.4)
CELSR2 (2.4)	ESRP2 (2.3)	MT1G (2.3)	MT1X (2.1)	AFF1 (2.0)
SFN (2.1)	ZNF408 (2.0)	C11orf9 (2.0)	PLTP (2.0)	MST1R (1.9)
MST1R (4.4)	TGM7 (4.3)	LRRC29 (3.8)	ENSG00000223745 (3	C17orf57 (2.7)
C12orf43 (3.2)	DDX28 (3.1)	YDJC (3.0)	PRMT7 (2.9)	C7orf50 (2.9)
LRRC29 (3.2)	CETP (3.1)	TGM7 (2.9)	C16orf86 (2.8)	CCDC11 (2.8)
CIAPIN1 (3.0)	MTCH2 (2.7)	PTPMT1 (2.5)	TMEM208 (2.5)	C18orf32 (2.2)
CCDC116 (2.3)	EXOC3L1 (2.1)	ENSG00000181123 (2	MYBPC3 (2.1)	ZNF664 (2.0)

PTPMT1 (1.7)	LCMT2 (1.7)	AFF1 (1.6)	THAP11 (1.6)	CITED2 (1.5)
C17orf105 (2.6)	OGFOD1 (2.6)	TMEM175 (2.5)	TNKS (2.3)	TUBGCP4 (2.2)
NUTF2 (2.9)	RBM6 (2.9)	OGFOD1 (2.4)	ENSG00000226334 (2	NCOA5 (2.2)
PTPRZ1 (2.7)	CPNE2 (2.5)	SLC9A5 (2.5)	MYO5B (2.5)	MPP2 (2.3)
UBE3B (2.5)	NEUROD2 (2.4)	DGKG (2.3)	TSNAXIP1 (2.3)	ENSG00000181296 (2
MT1M (2.4)	KCTD6 (2.3)	TMEM101 (2.2)	TGM5 (2.1)	C16orf86 (2.1)
REEP3 (3.0)	UVRAG (2.4)	CD40 (2.3)	NRBF2 (2.2)	CCDC92 (2.1)
PTPRZ1 (2.3)	FZD9 (2.1)	ZNF615 (1.9)	ENSG00000223745 (1	ENSG00000247867 (1
PSMC3 (2.8)	CITED2 (2.7)	TAGLN (2.5)	KIAA0754 (2.5)	DOK4 (2.3)
C12orf43 (2.6)	DUS2L (2.5)	RBPJ (2.4)	ZNF664 (2.4)	ACD (2.4)
DEPDC1 (4.5)	AGBL2 (4.4)	SKA1 (3.7)	TP53BP1 (3.6)	DNAH10 (3.1)
BBS2 (3.5)	C11orf49 (3.4)	TP53BP1 (3.3)	CCDC11 (2.4)	G6PC3 (2.3)
OR4A1P (2.4)	ERBB2 (2.3)	CELSR2 (2.3)	FHOD1 (2.0)	BCAM (2.0)
MFAP1 (3.0)	SLC7A6OS (2.9)	YDJC (2.6)	ZNF259 (2.4)	LCMT2 (2.2)
CYP26A1 (2.6)	TECTB (2.6)	LRP4 (2.5)	STRC (2.5)	G6PC3 (2.5)
CXXC1 (3.0)	TOMM40 (2.7)	EIF3J (2.6)	ZNF259 (2.6)	SBNO1 (2.6)
PTPRZ1 (1.9)	TSNAXIP1 (1.9)	C16orf48 (1.8)	CCDC18 (1.8)	TRIB1 (1.7)
ENSG00000181123 (2	ELMO3 (2.2)	PDE3A (2.1)	MYO5B (2.0)	KCTD6 (1.9)
PTPMT1 (3.1)	MTCH2 (3.0)	CIAPIN1 (2.9)	TMEM208 (2.4)	ACAA2 (2.2)
PTPMT1 (3.1)	MTCH2 (3.0)	CIAPIN1 (2.9)	TMEM208 (2.4)	ACAA2 (2.2)
DUS2L (2.4)	SNX10 (2.4)	C16orf86 (2.3)	SPG11 (1.9)	ZDHHC18 (1.8)
NPEPPS (3.1)	PDIA3 (2.9)	CATSPER2 (2.9)	PPIP5K1 (2.6)	CX3CL1 (2.6)
ZNF350 (2.4)	FNBP4 (2.2)	RELB (2.2)	ENSG00000181296 (2	YDJC (1.9)
CIAPIN1 (3.2)	C18orf32 (3.1)	MYBPC3 (2.5)	MIEN1 (2.3)	ZSCAN29 (2.2)
CIAPIN1 (3.2)	C18orf32 (3.1)	MYBPC3 (2.5)	MIEN1 (2.3)	ZSCAN29 (2.2)
CIAPIN1 (3.2)	C18orf32 (3.1)	MYBPC3 (2.5)	MIEN1 (2.3)	ZSCAN29 (2.2)
STRC (2.0)	ENSG00000229043 (1	OR5L2 (1.8)	KCTD6 (1.7)	SLC39A13 (1.7)
MTCH2 (3.8)	PTPMT1 (2.7)	TMEM208 (2.6)	CIAPIN1 (2.5)	PPIP5K1 (2.5)
LILRA3 (2.6)	CCL17 (2.4)	CCL22 (2.3)	ZNF615 (2.2)	CD40 (2.1)
MT1E (4.9)	MT1H (4.7)	MT1X (4.5)	TBL2 (2.4)	MYO1H (2.3)
PPIP5K1 (2.3)	ENSG00000181296 (2	AGBL2 (2.3)	NDUFS3 (2.1)	GPER (2.1)
NEUROD2 (2.4)	CTDSPL2 (2.4)	C1QTNF4 (2.3)	EIF3J (2.1)	JMJD1C (2.0)
MFAP1 (2.8)	NUP160 (2.7)	DDX28 (2.6)	PRMT7 (2.6)	SLC7A6OS (2.5)
SOST (2.6)	GNAO1 (2.5)	GPIHBP1 (2.5)	MPP3 (2.2)	ENSG00000256746 (2
ERBB2 (2.3)	SOST (2.3)	HSF4 (1.8)	ENSG00000226334 (1	ENSG00000229043 (1
COQ9 (3.7)	TMEM208 (3.2)	PDHB (3.1)	MIEN1 (3.0)	MTCH2 (2.8)
COQ9 (3.7)	TMEM208 (3.2)	PDHB (3.1)	MIEN1 (3.0)	MTCH2 (2.8)
CYP26A1 (2.0)	SFN (1.9)	SPRYD5 (1.9)	PPP1R1B (1.9)	PNMT (1.9)
C1orf172 (3.5)	LRP4 (3.5)	PPP1R1B (3.4)	PNMT (3.4)	MBD1 (3.3)
PRMT7 (2.6)	TOMM40 (2.6)	OGFOD1 (2.6)	NUP160 (2.5)	C12orf43 (2.4)
SNX10 (2.2)	C16orf86 (1.9)	DUS2L (1.9)	HSF4 (1.8)	PTPRJ (1.8)
COBLL1 (1.4)	CCNDBP1 (1.3)	KLF14 (1.3)	MT1H (1.2)	CES4A (1.2)
CPNE2 (2.5)	ENSG00000236267 (2	ENSG00000229043 (2	SLC7A6OS (1.8)	ABCB9 (1.8)
GNAO1 (2.4)	TUBGCP4 (2.2)	TRNP1 (2.2)	ENSG00000182109 (2	PAFAH1B2 (2.1)
EDC4 (2.7)	NUP160 (2.7)	MADD (2.6)	AMBRA1 (2.4)	FAM192A (2.3)
CTDSPL2 (2.9)	MFAP1 (2.7)	MTF2 (2.7)	KPNB1 (2.5)	CATSPER2 (2.5)
TRNP1 (2.4)	CCDC11 (2.4)	KIAA0754 (2.1)	MT1E (2.0)	MYO1H (2.0)
C1QTNF4 (2.5)	SEC14L4 (2.5)	LPL (2.3)	OR5I1 (2.2)	PPP1R1B (2.1)
CYP26A1 (2.5)	C1QTNF4 (2.3)	MPHOSPH9 (2.2)	PYY (2.2)	TECTB (2.0)
MTF2 (3.0)	ACD (2.9)	DDB2 (2.9)	PARD6A (2.6)	PRMT7 (2.6)

MTF2 (3.0)	ACD (2.9)	DDB2 (2.9)	PARD6A (2.6)	PRMT7 (2.6)
RANBP10 (3.1)	C16orf48 (2.9)	CCNDBP1 (2.9)	PACSIN3 (2.6)	ATG13 (2.4)
MAP1A (2.9)	PARD6A (2.8)	CELSR2 (2.4)	GFOD2 (2.3)	C1QTNF4 (2.2)
FZD9 (1.8)	LILRA3 (1.6)	TSNAXIP1 (1.6)	MPP2 (1.6)	KLF14 (1.5)
MVK (2.9)	STRC (2.8)	FZD9 (2.8)	MT1M (2.6)	FADS2 (2.4)
WDR76 (3.0)	CCDC18 (2.0)	ENSG00000182109 (1	TBL2 (1.8)	FEN1 (1.8)
C16orf48 (3.3)	C11orf49 (3.2)	KBTBD4 (2.9)	BBS2 (2.8)	ENSG00000179523 (2
TTC39B (2.4)	NLRC5 (2.2)	COBLL1 (2.2)	CCL17 (2.1)	SNX10 (2.1)
LRRC29 (2.7)	ABHD6 (2.7)	KIAA0895L (2.5)	ENSG00000256746 (2	PIGV (2.4)
ABCB9 (2.7)	FZD9 (2.6)	GPER (2.4)	CYP2W1 (2.3)	TRNP1 (2.3)
PDHB (2.7)	DUS2L (2.7)	FADS2 (2.5)	DDX28 (2.5)	FNBP4 (2.4)
ENSG00000229043 (2	FRMD5 (2.1)	B3GNT9 (1.9)	CES4A (1.8)	C11orf9 (1.7)
SIK3 (2.2)	ZNF664 (2.2)	TP53BP1 (2.0)	TUBGCP4 (2.0)	CX3CL1 (1.9)
PXK (2.5)	NDUFS3 (2.3)	PPIP5K1 (2.2)	PTPMT1 (2.2)	SLC12A3 (2.1)
MACF1 (3.0)	DUSP3 (2.8)	PACSIN3 (2.8)	SFN (2.5)	FRMD5 (2.0)
ARHGAP1 (3.4)	PDE3A (3.3)	RAPSN (3.1)	FRMD5 (3.0)	DUSP3 (2.6)
OGFOD1 (2.6)	BBS2 (2.5)	SLC7A6OS (2.5)	PXK (2.4)	ZSCAN29 (2.3)
DUS2L (2.6)	DDB2 (2.5)	GFOD2 (2.5)	MST1R (2.3)	ZDHHC18 (2.3)
ENSG00000247867 (2	CLPTM1 (2.5)	E2F4 (2.4)	UBE2L3 (2.3)	C16orf70 (2.3)
LRP4 (2.1)	TRPS1 (2.1)	TSNAXIP1 (2.1)	PXK (2.1)	SIDT2 (2.0)
LRP4 (2.1)	TRPS1 (2.1)	TSNAXIP1 (2.1)	PXK (2.1)	SIDT2 (2.0)
MAFF (2.5)	CSGALNACT1 (2.5)	RSPO3 (2.4)	TECTB (2.4)	FHOD1 (2.4)
MYO1H (2.3)	NEUROD2 (2.2)	ENSG00000182109 (2	TMEM62 (2.1)	GNAO1 (2.0)
IGF2R (2.4)	PNMT (2.1)	BCAM (2.0)	ERBB2 (2.0)	CITED2 (2.0)
DDX28 (3.1)	NUP160 (3.0)	C12orf43 (3.0)	EIF3J (3.0)	SBNO1 (2.6)
MT1G (2.3)	SOST (2.3)	MT1F (2.2)	MT1E (1.9)	MT1M (1.8)
PRMT7 (2.2)	CATSPER2 (2.1)	MED1 (2.0)	ENSG00000179523 (2	CMIP (2.0)
EIF3J (2.5)	DR1 (2.4)	UBE2L3 (2.3)	POLR2C (2.2)	TECTB (2.2)
COBLL1 (2.8)	MST1R (2.7)	C11orf9 (2.5)	ABHD6 (2.5)	OR4A1P (2.4)
COX19 (2.5)	ATG13 (2.4)	HARBI1 (2.3)	TTBK2 (2.3)	ENSG00000226645 (2
NAGS (2.7)	C17orf57 (2.6)	CYP2W1 (2.3)	ENSG00000247867 (2	TRADD (2.2)
NUTF2 (2.4)	DUS2L (2.2)	C12orf43 (2.1)	EIF3J (2.1)	TOMM40 (2.1)
CCDC11 (2.1)	ST3GAL4 (2.0)	GRB7 (2.0)	OR4A1P (2.0)	FRMD5 (2.0)
GPN2 (2.7)	SLC7A6OS (2.6)	C12orf43 (2.5)	PRMT7 (2.2)	ENSG00000226645 (2
RANBP10 (2.7)	RELB (2.7)	ACD (2.7)	CKAP5 (2.6)	FHOD1 (2.5)
AGBL2 (2.4)	PTPMT1 (2.3)	PPIP5K1 (2.3)	NDUFS3 (2.2)	GPER (2.1)
RBM6 (2.6)	CCNDBP1 (2.4)	ZNF335 (2.3)	YDJC (2.1)	KBTBD4 (2.0)
ABCA8 (2.2)	ENSG00000256746 (2	CYP26A1 (2.1)	TGM5 (1.8)	HNF4A (1.8)
OR5I1 (2.0)	PYY (2.0)	ST3GAL4 (2.0)	MYO5B (1.9)	KIAA0895L (1.8)
TRPS1 (1.8)	SCARB1 (1.6)	PYY (1.6)	MADD (1.5)	C11orf49 (1.5)
DDB2 (3.6)	BAZ1B (3.4)	CTDSPL2 (3.2)	NUP93 (3.0)	PRMT7 (2.9)
COX19 (3.0)	PSMC3 (2.8)	ZNF613 (2.8)	MIEN1 (2.6)	TMEM208 (2.6)
NUP160 (3.2)	CTDSPL2 (3.1)	TUBGCP4 (3.0)	NUDT21 (2.6)	KPNB1 (2.5)
SLC39A13 (2.0)	FEN1 (1.8)	COBLL1 (1.7)	TRPS1 (1.7)	UBE3B (1.7)
PYY (2.3)	TRNP1 (2.3)	C12orf43 (2.2)	MYO1H (2.0)	KLF14 (2.0)
CETP (2.4)	PITPNM2 (2.0)	ENSG00000226334 (2	ABCB9 (1.8)	CPS1 (1.8)
PTPRZ1 (3.6)	SOST (3.2)	CYP26A1 (2.8)	RSPO3 (2.7)	SMPD3 (2.6)
NUP93 (3.0)	TUBGCP4 (3.0)	BBS2 (2.9)	FEN1 (2.9)	CENPT (2.8)
NUP93 (3.0)	TUBGCP4 (3.0)	BBS2 (2.9)	FEN1 (2.9)	CENPT (2.8)
KCTD10 (3.1)	KANK2 (3.1)	PVRL2 (2.8)	CCDC92 (2.8)	MACF1 (2.5)

MYO1H (2.5)	MFAP1 (2.2)	TBKBP1 (2.1)	SIK3 (2.1)	CYP2W1 (2.1)
KCTD6 (2.4)	BCAM (2.3)	TRNP1 (1.9)	ENSG00000223745 (1	C1orf172 (1.7)
SFN (3.1)	SIK3 (2.4)	CCDC11 (2.4)	MYO5B (2.2)	ENSG00000179523 (2
RBM5 (2.7)	TP53BP1 (2.5)	MADD (2.4)	SNX10 (2.3)	NPEPPS (2.3)
MPP2 (3.1)	SLC9A5 (2.9)	TTBK2 (2.9)	NEUROD2 (2.9)	C1orf172 (2.8)
NEUROD2 (2.7)	TRPS1 (2.5)	FHOD1 (2.2)	SOST (2.1)	ENSG00000229043 (2
CX3CL1 (2.5)	GPER (2.4)	PPIP5K1 (2.4)	MT1F (2.2)	MT1G (2.1)
C12orf43 (2.5)	GNAO1 (2.5)	SLC9A5 (2.2)	ZDHHC18 (2.1)	YDJC (2.1)
CMIP (2.5)	C1QTNF4 (2.5)	MADD (2.4)	GNAO1 (2.4)	LPA (2.4)
HCAR1 (2.0)	MTF2 (2.0)	PIGV (1.9)	TGM7 (1.8)	TSNAXIP1 (1.8)
ZSCAN29 (3.4)	C12orf65 (3.1)	REEP3 (3.0)	LCMT2 (3.0)	ENSG00000179523 (2
AMBRA1 (2.2)	CDK12 (2.1)	FNBP4 (2.1)	CXXC1 (2.0)	BUD13 (1.9)
MPP2 (2.8)	GPIHBP1 (2.6)	MADD (2.4)	PNMT (2.2)	PPY (2.1)
SMPD3 (2.2)	RSPO3 (2.0)	CYP26A1 (2.0)	CELSR2 (2.0)	PAFAH1B2 (1.9)
SLC7A6OS (2.4)	DDX28 (2.4)	PRMT7 (2.4)	C7orf50 (2.3)	RBM6 (2.3)
MYBPC3 (3.3)	MAP1A (2.8)	TRNP1 (2.8)	DUSP3 (2.7)	DOK4 (2.6)
FNBP4 (1.8)	ENSG00000226334 (1	KPNB1 (1.7)	THAP11 (1.7)	TNKS (1.6)
B3GNT9 (2.0)	COBLL1 (1.8)	DUSP3 (1.8)	GNAO1 (1.8)	MYBPC3 (1.8)
PRMT7 (2.9)	SLC7A6OS (2.8)	GPN2 (2.7)	CXXC1 (2.6)	DCPS (2.6)
MYO5B (2.6)	RSPO3 (2.5)	C1orf172 (2.4)	PSKH1 (2.3)	ERBB2 (2.0)
B3GNT9 (2.0)	ST3GAL4 (1.9)	SLC12A3 (1.7)	MT1F (1.6)	ATG13 (1.6)
MYO5B (2.7)	CELF1 (2.3)	DUSP3 (2.3)	NEUROD2 (2.2)	MYBPC3 (2.1)
MTCH2 (4.0)	PTPMT1 (2.7)	CIAPIN1 (2.7)	ACAA2 (2.5)	TMEM208 (2.5)
BCL7B (2.5)	ENSG00000181296 (2	RAB11B (2.1)	C17orf105 (2.1)	RLTPR (2.1)
MYO5B (2.4)	UBE3B (2.3)	AMBRA1 (2.3)	NEUROD2 (2.2)	FNBP4 (2.2)
RSPO3 (3.3)	TGM7 (3.1)	C16orf48 (3.1)	BBS2 (2.7)	DOK4 (2.6)
RLTPR (2.3)	LILRA3 (2.2)	DUS2L (2.2)	MFAP1 (2.2)	ENSG00000236267 (2
FZD9 (3.2)	RSPO3 (2.5)	SOST (2.5)	PTPRZ1 (2.4)	G6PC3 (2.4)
DPEP2 (2.0)	CD300LG (2.0)	MTF2 (2.0)	DOK4 (1.9)	CMIP (1.9)
HSF4 (2.3)	ENSG00000229043 (2	TNKS (2.1)	SEC14L4 (2.1)	C17orf57 (2.1)
TMEM101 (2.3)	LIPG (2.3)	STRC (2.3)	BMP8A (2.2)	SOST (2.0)
LRRC29 (2.0)	TNKS (2.0)	UBE2L3 (1.9)	MST1R (1.8)	DOCK6 (1.8)
C12orf43 (2.2)	C7orf50 (1.9)	EIF3J (1.8)	ENSG00000226334 (1	RBPJ (1.7)
PIGV (3.2)	TMEM62 (3.2)	ENSG00000256746 (2	ENSG00000179523 (2	PGAP3 (2.5)
PRMT7 (2.8)	EIF3J (2.7)	DDX28 (2.7)	DUS2L (2.6)	SNORD58C (2.6)
PDIA3 (2.6)	NCOA5 (2.5)	RBM5 (2.3)	FNBP4 (2.3)	PSMC3 (2.3)
HSF4 (2.4)	PLEKHG4 (2.3)	KIAA0895L (2.2)	PXK (2.1)	PGS1 (2.0)
LILRB2 (2.4)	PITPNM2 (2.3)	FPR3 (2.2)	ENSG00000256746 (2	KCTD19 (2.0)
MT1H (2.9)	MT1M (2.8)	MT1X (2.7)	CCL22 (2.6)	MT1F (2.6)
CCDC18 (2.7)	CKAP5 (2.7)	TP53BP1 (2.6)	ATG13 (2.5)	SPG11 (2.5)
SETD8 (2.1)	DDB2 (2.1)	ABCA8 (2.0)	BACE1 (1.9)	LPL (1.9)
FNBP4 (1.9)	SNORD58C (1.9)	DYM (1.9)	ENSG00000226334 (1	THAP11 (1.8)
PGAP3 (2.9)	ERBB2 (2.8)	ENSG00000247867 (2	OR4A1P (2.2)	CDK12 (2.1)
PSMC3 (2.9)	ZFAND2A (2.7)	TMEM208 (2.5)	UBE2L3 (2.4)	MIEN1 (2.3)
MAP1A (3.5)	MADD (3.1)	KIAA0754 (2.9)	MFAP1 (2.9)	TP53BP1 (2.8)
SEC14L4 (2.7)	DUS2L (2.1)	DCPS (2.1)	PTPMT1 (2.1)	TRADD (2.1)
MAP1A (2.3)	ABHD6 (2.2)	FRMD5 (2.0)	CPNE2 (2.0)	ABCB9 (1.9)
PSMB10 (2.1)	CCL22 (1.9)	FPR3 (1.9)	CBFB (1.8)	ZSCAN29 (1.8)
SKA1 (2.6)	TP53BP1 (2.4)	KPNB1 (2.4)	NUDT21 (2.2)	CCDC18 (2.2)
COX19 (2.9)	PSMC3 (2.9)	TMEM208 (2.5)	C16orf70 (2.4)	MTCH2 (2.3)

PTPRZ1 (2.5)	MVK (2.5)	ENSG00000255507 (2	CELSR2 (2.2)	FADS2 (1.9)
NEUROD2 (2.4)	NOL3 (2.4)	CIAPIN1 (2.3)	KIAA0895L (2.0)	CASC4 (2.0)
LCMT2 (2.8)	ZNF408 (2.6)	TOMM40 (2.5)	C12orf43 (2.5)	THAP11 (2.4)
PPP1R1B (2.5)	APOE (2.3)	STRC (2.2)	NEUROD2 (2.1)	GNAO1 (2.1)
PSKH1 (2.6)	CBFB (2.5)	PSMB10 (2.5)	C11orf9 (2.4)	SLC7A6OS (2.4)
TMED5 (1.9)	SDF2L1 (1.8)	ACAA2 (1.8)	CITED2 (1.7)	REEP3 (1.6)
CTDSPL2 (4.5)	C16orf48 (4.1)	NUP160 (3.3)	ACD (3.1)	BAZ1B (2.9)
CTDSPL2 (4.5)	C16orf48 (4.1)	NUP160 (3.3)	ACD (3.1)	BAZ1B (2.9)
C17orf57 (2.6)	PDE3A (2.6)	ZNF613 (2.3)	TAGLN (2.2)	ZSCAN29 (2.1)
RAB11B (1.9)	CES4A (1.8)	TECTB (1.8)	RBM5 (1.8)	ENSG00000247867 (1
ELMO3 (4.6)	ESRP2 (3.5)	ERBB2 (3.5)	HNF4A (3.2)	MYO5B (2.9)
MPP2 (2.5)	GNAO1 (2.4)	CCDC92 (2.3)	C11orf49 (2.3)	C1QTNF4 (2.3)
MAP1A (3.3)	PACSIN3 (3.2)	MYBPC3 (2.9)	MPP2 (2.8)	CELSR2 (2.6)
SLC7A6OS (3.7)	YDJC (3.7)	LCMT2 (3.4)	ZNF259 (3.4)	SNORD58C (3.2)
NEUROD2 (2.4)	C1QTNF4 (2.4)	CIAPIN1 (2.3)	KIAA0895L (2.2)	MYBPC3 (2.0)
UBE2L3 (2.5)	NOL3 (2.4)	PACSIN3 (2.4)	KPNB1 (2.2)	MTCH2 (2.2)
FRMD5 (2.9)	PDHB (2.5)	TNKS (2.5)	ZSCAN29 (2.4)	SDF2L1 (2.4)
TOMM40 (2.2)	NUP160 (2.1)	DDX28 (2.1)	ZNF408 (2.1)	NCOA5 (1.9)
ENSG00000179523 (2	AMFR (2.2)	ELMO3 (2.0)	CCDC116 (1.8)	LPA (1.8)
MTCH2 (3.0)	PTPMT1 (2.9)	TMEM208 (2.5)	ACAA2 (2.1)	C18orf32 (2.0)
MTCH2 (3.0)	PTPMT1 (2.9)	TMEM208 (2.5)	ACAA2 (2.1)	C18orf32 (2.0)
DDX28 (2.8)	EIF3J (2.7)	SLC7A6OS (2.5)	GPN2 (2.5)	C7orf50 (2.4)
DDB2 (4.4)	C16orf48 (4.2)	NUP160 (3.4)	BAZ1B (3.2)	MPHOSPH9 (3.0)
DDB2 (4.4)	C16orf48 (4.2)	NUP160 (3.4)	BAZ1B (3.2)	MPHOSPH9 (3.0)
SDF2L1 (1.9)	CATSPER2 (1.8)	ACAA2 (1.7)	ELMO3 (1.7)	DDB2 (1.6)
PCSK7 (3.0)	HARBI1 (2.7)	TBL2 (2.7)	LRRC29 (2.6)	TMEM208 (2.6)
ARFGAP2 (3.0)	C16orf70 (2.9)	CCNDBP1 (2.8)	RSPRY1 (2.6)	ZFAND2A (2.5)
SNX10 (2.3)	TRNP1 (2.3)	MADD (2.2)	NEUROD2 (2.2)	FADS1 (2.1)
SKA1 (2.5)	CES4A (2.4)	FEN1 (2.4)	MTF2 (2.4)	CCDC18 (2.3)
DUS2L (3.4)	C12orf43 (3.3)	ZNF408 (3.2)	CCDC116 (3.2)	PRMT7 (3.1)
RBM5 (2.5)	CITED2 (2.5)	HDAC5 (2.4)	E2F4 (2.2)	EXOC3L1 (2.2)
PTPRZ1 (3.0)	PLTP (2.4)	SLC9A5 (2.3)	SMPD3 (2.1)	KANK2 (2.1)
FRMD5 (2.3)	MADD (2.3)	ATG13 (2.2)	HNF1A (2.1)	GNAO1 (2.1)
PPP1R1B (2.4)	PITPNM2 (2.2)	DGKG (2.2)	MPP2 (2.0)	SLC9A5 (2.0)
DEPDC1 (3.9)	SKA1 (3.9)	MPHOSPH9 (3.9)	CKAP5 (3.2)	TSNAXIP1 (2.9)
MIEN1 (2.2)	KCTD19 (2.1)	NUDT21 (2.1)	GNAO1 (2.0)	UBE2L3 (1.9)
C17orf57 (2.6)	RAPSN (2.3)	KCTD10 (2.2)	CATSPER2 (2.0)	MBD1 (1.9)
C17orf57 (2.6)	RAPSN (2.3)	KCTD10 (2.2)	CATSPER2 (2.0)	MBD1 (1.9)
ARFGAP2 (2.6)	SETD8 (2.5)	RNF214 (2.4)	NPEPPS (2.2)	JMJD1C (2.1)
PIGV (3.4)	MIEN1 (3.1)	PTPMT1 (2.8)	ENSG00000223745 (2	KCTD19 (2.6)
PVRL2 (3.1)	C1orf172 (2.7)	DOK4 (2.5)	TAGLN (2.2)	UBE2L3 (2.2)
CETP (2.4)	TRADD (2.4)	APOE (2.0)	CSGALNACT1 (2.0)	OR4A21P (1.9)
PSMC3 (2.8)	ZFAND2A (2.6)	UBE2L3 (2.4)	TMEM208 (2.3)	POLR2C (2.3)
KCTD6 (2.6)	REEP3 (2.6)	SNX13 (2.5)	CBFB (2.4)	ARHGAP1 (2.3)
ZFAND2A (3.0)	ZNF613 (2.8)	PSMC3 (2.8)	MIEN1 (2.6)	KBTBD4 (2.4)
C12orf43 (2.6)	EIF3J (2.6)	PRMT7 (2.5)	TOMM40 (2.4)	NUP160 (2.4)
SPRYD5 (2.5)	SEC14L4 (2.5)	TMEM175 (2.3)	ENSG00000181296 (2	CETP (2.1)
KPNB1 (2.2)	SNORD58C (2.1)	ZNF259 (2.0)	ZNF614 (2.0)	C12orf43 (1.9)
DR1 (2.5)	ARHGAP1 (2.3)	HDAC5 (2.3)	MPP2 (2.2)	C12orf43 (2.2)
C18orf32 (2.5)	LRRC29 (2.4)	MIEN1 (2.4)	PXK (2.4)	MT1F (2.3)

ENSG00000226334 (2	FNBP4 (2.2)	NUP160 (2.0)	C7orf50 (2.0)	TOMM40 (1.9)
LCMT2 (2.1)	RBM6 (2.1)	C7orf50 (2.1)	SNORD58C (2.0)	NUP160 (2.0)
PACSIN3 (2.5)	TCAP (2.4)	TBKBP1 (2.3)	PNMT (2.2)	CCDC116 (2.1)
PTPRZ1 (2.7)	C11orf9 (2.2)	ENSG00000179523 (2	CYP2W1 (2.0)	GPER (1.9)
SLC12A4 (3.3)	SLC39A13 (2.7)	PTPRZ1 (2.5)	SMPD3 (2.4)	ENSG00000182109 (2
SPG11 (2.5)	C16orf48 (2.3)	MTF2 (2.3)	KBTBD4 (2.2)	DYM (2.2)
RSPO3 (2.1)	LSM12 (2.1)	INTS10 (2.0)	ERBB2 (1.9)	KANK2 (1.8)
LCMT2 (2.0)	KCTD6 (1.8)	TTBK2 (1.7)	MT1X (1.7)	ARID1A (1.6)
OR5J2 (3.3)	TBL2 (2.9)	ZFAND2A (2.7)	ATG13 (2.5)	TMED5 (2.4)
NUP160 (2.9)	C12orf43 (2.7)	C7orf50 (2.6)	KPNB1 (2.5)	OGFOD1 (2.5)
PLA2G15 (2.3)	OASL (2.2)	STRC (2.2)	RELB (2.2)	PSKH1 (2.0)
EIF3J (3.2)	C7orf50 (2.9)	C12orf43 (2.7)	DUS2L (2.7)	NUP160 (2.5)
CD300LG (2.0)	LRP4 (2.0)	MYBPC3 (2.0)	MPP3 (2.0)	DNAH10 (1.9)
TGM7 (1.9)	BACE1 (1.7)	CCDC92 (1.7)	MT1H (1.6)	LIPG (1.6)
PIGV (2.6)	CD40 (2.4)	CD300LG (2.3)	NFATC3 (1.7)	ENSG00000181296 (1
ZNF613 (2.3)	GPER (2.2)	ZNF350 (2.1)	TMED5 (2.0)	CYP2W1 (2.0)
MON1A (1.9)	C17orf57 (1.9)	SFN (1.7)	ENSG00000254235 (1	SIDT2 (1.6)
ERBB2 (2.6)	SFN (2.6)	LRP4 (2.5)	ZNF664 (2.4)	C1orf172 (2.4)
FPR3 (2.4)	TTBK2 (2.4)	SLC7A6OS (2.3)	GLUL (2.3)	BBS2 (2.2)
GPIHBP1 (3.1)	DUSP3 (2.9)	DOK4 (2.5)	UBE2L3 (2.2)	DOCK6 (2.1)
PTPMT1 (2.6)	PDHB (2.5)	ACAA2 (2.5)	YDJC (2.4)	C7orf50 (2.2)
PPP1R1B (2.6)	KLHL8 (2.5)	PSMB10 (2.4)	SPRYD5 (2.3)	CCNDBP1 (1.9)
TGM5 (2.0)	LSM12 (2.0)	PCIF1 (2.0)	GPN2 (2.0)	SLC7A6OS (1.9)
BMP8A (3.2)	GPER (3.1)	SMPD3 (2.7)	SOST (2.6)	DOK4 (2.4)
LILRA3 (1.9)	KLHL8 (1.8)	NLRC5 (1.7)	OR4A1P (1.6)	ZNF614 (1.6)
ENSG00000229043 (3	ZFAND2A (2.8)	COX19 (2.7)	NUTF2 (2.5)	PSMC3 (2.4)
G6PC3 (2.8)	CYP26A1 (2.8)	C16orf48 (2.0)	PVRL2 (1.7)	GFOD2 (1.7)
DDX28 (3.0)	PRMT7 (2.8)	OGFOD1 (2.7)	YDJC (2.4)	GPN2 (2.3)
C17orf57 (2.5)	RAPSN (2.4)	KCTD19 (2.3)	ENSG00000223745 (2	KCTD10 (2.1)
DEPDC1 (2.8)	WDR76 (2.6)	FEN1 (2.6)	C7orf50 (2.4)	CKAP5 (2.4)
KPNB1 (2.5)	RBM6 (2.4)	ENSG00000223745 (2	CATSPER2 (2.2)	FNBP4 (2.2)
GNAO1 (2.4)	PPY (2.2)	TECTB (2.0)	TGM5 (1.9)	FRMD5 (1.9)
PDHB (3.3)	DDX28 (3.3)	TMEM208 (3.1)	SLC7A6OS (3.1)	ZNF408 (2.6)
MFAP1 (3.4)	DYM (3.1)	HARBI1 (2.8)	KBTBD4 (2.7)	BBS2 (2.5)
PSMC3 (2.9)	TMEM208 (2.7)	HARBI1 (2.6)	COX19 (2.5)	CCNDBP1 (2.5)
NLRC5 (2.3)	LILRA3 (2.3)	ST3GAL4 (2.1)	PLA2G6 (1.8)	ZNF408 (1.7)
TMEM208 (3.1)	TCAP (2.8)	NUTF2 (2.7)	MTCH2 (2.6)	DCPS (2.5)
REEP3 (2.9)	PLA2G15 (2.8)	AMFR (2.8)	BMP8A (2.7)	C16orf70 (2.4)
DR1 (2.7)	PCIF1 (2.5)	CTDSPL2 (2.2)	PVRL2 (2.2)	MTF2 (2.2)
LILRB2 (2.7)	FPR3 (2.3)	PITPNM2 (2.3)	DUSP3 (2.0)	ENSG00000256746 (1
SBNO1 (2.8)	ARFGAP2 (2.5)	CASC4 (2.4)	UBR1 (2.2)	TGM7 (2.1)
TMEM62 (3.4)	CCNDBP1 (3.3)	RANBP10 (3.1)	HARBI1 (2.9)	HDAC5 (2.7)
PAFAH1B2 (2.2)	ARHGAP1 (2.0)	KPNB1 (1.9)	NUTF2 (1.9)	PTPRJ (1.9)
OR4A1P (2.4)	NUP93 (2.4)	BBS2 (2.3)	C18orf32 (2.2)	FHOD1 (2.1)
ST3GAL4 (2.1)	MYO5B (1.8)	GLUL (1.8)	C16orf86 (1.8)	GALNT2 (1.8)
PVRL2 (2.0)	LIPG (2.0)	TRPS1 (2.0)	LRP4 (2.0)	CYP26A1 (2.0)
COX19 (2.9)	ZFAND2A (2.9)	TMEM208 (2.6)	MIEN1 (2.3)	KBTBD4 (2.3)
COX19 (2.9)	ZFAND2A (2.9)	TMEM208 (2.6)	MIEN1 (2.3)	KBTBD4 (2.3)
TCAP (2.2)	FRMD5 (2.1)	SLC9A5 (2.0)	JMJD1C (1.9)	MADD (1.9)
RLTPR (2.3)	CD40 (2.2)	FPR3 (2.0)	ZSCAN29 (1.7)	ELMO3 (1.6)

C17orf57 (2.6)	RAPSN (2.4)	KCTD19 (2.2)	KCTD10 (2.1)	MBD1 (1.9)
PDHB (3.0)	RANBP10 (2.9)	MIEN1 (2.7)	MTCH2 (2.6)	NDUFS3 (2.5)
KPNB1 (2.6)	NCOA5 (2.5)	RBM6 (2.4)	PSMC3 (2.2)	ENSG00000226334 (2
TECTB (3.0)	TGM7 (2.5)	DNAH10 (2.5)	CES4A (2.3)	SCARB1 (2.1)
CATSPER2 (1.9)	SDF2L1 (1.9)	PGAP3 (1.8)	ELMO3 (1.8)	ABHD6 (1.7)
CKAP5 (3.1)	CENPT (3.0)	DNAH10 (2.7)	MPHOSPH9 (2.4)	DEPDC1 (2.2)
ENSG00000181123 (2	REEP3 (2.5)	ELMO3 (2.4)	ENSG00000181296 (2	CBFB (2.2)
ENSG00000226645 (2	ZNF664 (2.4)	SETD8 (2.4)	ENSG00000226334 (2	NUTF2 (2.2)
OR5I1 (2.3)	GPER (2.2)	GPR146 (2.1)	PYY (2.1)	MPP2 (2.1)
RBPJ (3.1)	CD40 (2.6)	ZDHHC18 (2.4)	MAFF (2.3)	LILRB2 (2.2)
MYO5B (3.1)	CELF1 (2.7)	GNAO1 (2.5)	DOK4 (2.4)	PITPNM2 (2.4)
RSPO3 (2.9)	ERBB2 (2.8)	LIPG (2.7)	KIAA0895L (2.6)	CELSR2 (2.2)
NUP160 (3.7)	DDB2 (3.6)	CTDSPL2 (3.5)	MTF2 (3.2)	ACD (3.1)
INTS10 (2.5)	TMEM101 (2.5)	YDJC (2.5)	KBTBD4 (2.5)	KLHL8 (2.4)
NUTF2 (2.2)	TMED5 (2.2)	TMEM208 (2.1)	BCAM (2.1)	CPNE2 (2.1)
PIGV (2.3)	LSM12 (2.3)	AMFR (2.2)	MED1 (2.0)	FHOD1 (2.0)
EIF3J (2.7)	CDK12 (2.4)	KLHL8 (2.1)	ZNF335 (2.1)	SNORD58C (2.1)
PXK (2.6)	PPIP5K1 (2.3)	NDUFS3 (2.3)	PTPMT1 (2.2)	SLC12A3 (2.2)
SMPD3 (3.4)	TECTB (3.2)	PTPRZ1 (3.1)	PYY (2.8)	SLC12A3 (2.4)
OR5L2 (2.4)	C1QTNF4 (2.3)	PLA2G15 (2.1)	ZNF615 (2.0)	ENSG00000256746 (2
DDX28 (2.8)	C7orf50 (2.5)	SNORD58C (2.4)	SLC7A6OS (2.4)	EIF3J (2.3)
TMEM208 (3.4)	NUTF2 (2.8)	ZFAND2A (2.8)	COX19 (2.7)	PSMC3 (2.6)
AMBRA1 (2.2)	TOMM40 (2.2)	MACF1 (2.1)	CLPTM1 (2.1)	ARID1A (1.9)
TRNP1 (2.6)	NEUROD2 (2.4)	SNX10 (2.3)	C1QTNF4 (2.2)	CPNE2 (2.1)
C12orf65 (2.7)	HSF4 (2.4)	CYP2W1 (2.4)	COX19 (2.2)	AGBL2 (2.1)
LRRC29 (3.0)	NUTF2 (2.7)	ARFGAP2 (2.6)	RANBP10 (2.6)	POLR2C (2.5)
CCDC92 (2.4)	KPNB1 (2.3)	C17orf57 (2.3)	C11orf49 (2.3)	CPNE2 (2.0)
ELMO3 (2.7)	ENSG00000181296 (2	MON1A (2.7)	REEP3 (2.6)	ENSG00000247867 (2
CASC4 (2.8)	TMEM175 (2.7)	MPHOSPH9 (2.6)	DNAH10 (2.5)	DEPDC1 (2.4)
MBD1 (2.7)	CCDC11 (2.6)	PGAP3 (2.5)	PDIA3 (2.3)	C17orf105 (2.3)
LILRA3 (2.3)	CCL22 (2.3)	ENSG00000226334 (2	CD40 (2.2)	ZNF335 (2.0)
TTC39B (2.5)	SIDT2 (2.5)	AMFR (2.4)	C11orf9 (2.4)	TECTB (2.3)
KLF14 (2.2)	CASC4 (2.1)	PTPRZ1 (2.1)	ZDHHC18 (1.8)	LSM12 (1.8)
INTS10 (2.4)	EPB42 (2.3)	HDAC5 (2.2)	GPN2 (2.2)	DUS2L (2.1)
WDR76 (2.7)	NUP93 (2.5)	SKA1 (2.5)	DEPDC1 (2.4)	CXXC1 (2.3)
MT1X (2.3)	MT1F (2.2)	ENSG00000247445 (2	CELSR2 (2.1)	MT1H (2.0)
C18orf32 (2.7)	CCNDBP1 (2.5)	MT1H (2.4)	TMEM175 (2.4)	MT1G (2.4)
DUS2L (2.9)	NUP93 (2.8)	ADAL (2.7)	PSMB10 (2.6)	PRMT7 (2.4)
HSF4 (2.1)	SEC14L4 (2.1)	EXOC3L1 (2.0)	ENSG00000223745 (2	TMEM101 (2.0)
GRB7 (2.8)	KANK2 (2.6)	PPP1R1B (2.6)	PDE3A (2.5)	HCAR1 (2.4)
MACF1 (2.8)	MST1R (2.5)	DOK4 (2.4)	IGF2R (2.3)	PACSIN3 (2.3)
NUDT21 (2.5)	PCIF1 (2.5)	KPNB1 (2.5)	CELF1 (2.5)	E2F4 (2.5)
DEPDC1 (3.9)	SKA1 (3.8)	CENPT (3.7)	CASC4 (2.5)	C16orf48 (2.4)
TRADD (2.0)	ZNF613 (1.9)	PAFAH1B2 (1.9)	OR4A21P (1.9)	C11orf49 (1.8)
TSNAXIP1 (3.0)	INTS10 (2.9)	YDJC (2.9)	C11orf49 (2.7)	PRMT7 (2.6)
TMEM101 (2.1)	TRPS1 (1.9)	LRP4 (1.8)	B3GNT9 (1.8)	PYY (1.6)
CMIP (2.5)	SLC7A6 (2.4)	PLTP (2.3)	DDB2 (1.9)	UBR1 (1.9)
MON1A (2.1)	PTPRZ1 (2.1)	PPP1R1B (2.0)	ZNF614 (2.0)	CYP2W1 (2.0)
PCIF1 (3.4)	KBTBD4 (3.3)	BAZ1B (2.8)	PGAP3 (2.7)	CDK12 (2.7)
SLC12A4 (2.2)	ENSG00000226645 (2	ENSG00000179523 (2	C16orf70 (2.0)	AMBRA1 (2.0)

DUSP3 (2.3)	CASC4 (2.3)	NUTF2 (2.3)	YDJC (2.1)	RAB11B (2.1)
OR5J2 (2.4)	PDHB (2.2)	ZNF613 (2.2)	POLR2C (2.0)	BBS2 (2.0)
RAPSN (2.2)	TRPS1 (2.0)	COBLL1 (1.9)	EXOC3L1 (1.9)	C16orf70 (1.9)
TGM5 (2.7)	FHOD1 (2.7)	SETD8 (2.7)	PITPNM2 (2.6)	PPIP5K1 (2.4)
B3GNT9 (2.4)	NFATC3 (2.3)	DDB2 (2.2)	WDR76 (2.0)	PARD6A (2.0)
COQ9 (3.3)	YDJC (3.0)	MTCH2 (2.8)	PDHB (2.5)	TOMM40 (2.5)
FPR3 (2.6)	CCDC11 (2.2)	TGM7 (2.1)	SLC12A3 (2.0)	NRBF2 (2.0)
SNX10 (2.5)	GNAO1 (2.4)	CELSR2 (2.3)	NEUROD2 (2.3)	CPNE2 (2.2)
KPNB1 (2.7)	ENSG00000226334 (2	PDIA3 (1.9)	TOMM40 (1.9)	NUP160 (1.8)
MED1 (2.5)	CELSR2 (2.3)	CYP2W1 (2.2)	NEUROD2 (2.1)	ARID1A (2.0)
BAZ1B (2.3)	SETD8 (2.0)	KIAA0754 (1.9)	ENSG00000226334 (1	ENSG00000247867 (1
SNORD58C (2.4)	MIEN1 (2.3)	C7orf50 (2.2)	TMEM208 (2.1)	C18orf32 (2.0)
MPP3 (2.3)	ZNF615 (2.2)	C17orf57 (2.2)	CD300LG (2.0)	TUBGCP4 (2.0)
FEN1 (3.4)	MPHOSPH9 (3.2)	CENPT (3.0)	WDR76 (2.0)	CKAP5 (1.9)
FEN1 (3.4)	MPHOSPH9 (3.2)	CENPT (3.0)	WDR76 (2.0)	CKAP5 (1.9)
POLR2C (3.4)	TRADD (3.2)	NUP93 (3.1)	PRMT7 (3.0)	BBS2 (3.0)
DEPDC1 (3.9)	CENPT (3.9)	SKA1 (3.8)	WDR76 (2.5)	SETD8 (2.5)
SDF2L1 (2.0)	ABHD6 (2.0)	ACAA2 (2.0)	CATSPER2 (1.9)	PGAP3 (1.8)
MTCH2 (3.8)	TMEM208 (2.9)	PSMB10 (2.4)	C18orf32 (2.3)	PTPMT1 (2.2)
FNBP4 (2.0)	KPNB1 (1.5)	CITED2 (1.3)	UBE2L3 (1.3)	NCOA5 (1.3)
SCARB1 (2.2)	DOK4 (2.2)	TTBK2 (2.0)	LIPG (1.9)	CATSPER2 (1.8)
EXOC3L1 (3.1)	MYO1H (3.0)	DUSP3 (2.5)	KANK2 (2.4)	NAGS (2.4)
GNAO1 (2.6)	OR5L2 (2.2)	DGKG (2.1)	BMP8A (2.0)	MPP2 (1.9)
CENPT (3.0)	CKAP5 (3.0)	DNAH10 (2.7)	MPHOSPH9 (2.3)	DEPDC1 (2.1)
EIF3J (3.0)	C11orf49 (2.9)	SPG11 (2.9)	MFAP1 (2.9)	RELB (2.7)
FZD9 (2.5)	ENSG00000182109 (2	TBKBP1 (2.4)	BMP8A (2.1)	LCAT (2.1)
CITED2 (2.3)	MPHOSPH9 (2.2)	PSMC3 (2.1)	LCMT2 (2.0)	BAZ1B (1.9)
DCPS (2.7)	NUP160 (2.5)	RBM6 (2.5)	NCOA5 (2.4)	NUP93 (2.4)
C12orf65 (2.7)	ENSG00000223745 (2	TGM5 (2.4)	CCDC116 (2.4)	ENSG00000255507 (2
ENSG00000255507 (2	C11orf9 (2.1)	EXOC3L1 (2.0)	PTPRZ1 (1.9)	APOE (1.9)
GPAM (1.7)	CYP26A1 (1.7)	OR5I1 (1.6)	HNF4A (1.5)	C16orf48 (1.5)
CATSPER2 (2.6)	MED1 (2.6)	RBM6 (2.1)	ZNF615 (2.0)	PCIF1 (2.0)
MST1R (2.4)	AMBRA1 (2.4)	JMJD1C (2.2)	PLA2G6 (2.2)	UBR1 (2.1)
ENSG00000247445 (2	DR1 (1.9)	CX3CL1 (1.9)	PGS1 (1.8)	AGBL2 (1.8)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
KPNB1 (2.3)	ZNF664 (2.1)	NCOA5 (2.0)	NUP93 (1.9)	C16orf48 (1.9)
DOK4 (3.1)	DUSP3 (3.0)	GPIHBP1 (2.6)	SFN (2.6)	SLC39A13 (2.5)
DEPDC1 (3.4)	NUP160 (3.2)	DDB2 (2.9)	MTF2 (2.9)	ACD (2.7)
CCDC116 (2.5)	DR1 (2.4)	PGAP3 (2.3)	ZNF664 (2.2)	EPB42 (2.2)
LILRA3 (2.3)	ENSG00000256746 (2	GFOD2 (2.1)	KIAA0754 (2.0)	STRC (1.9)
AGBL2 (2.4)	POLR2C (2.2)	CLPTM1 (2.1)	BCAM (2.1)	NAGS (2.1)
SMPD3 (2.5)	TGM5 (2.2)	SLC9A5 (2.2)	MPP2 (2.2)	CATSPER2 (2.2)
CCL17 (2.5)	C16orf86 (2.4)	ENSG00000236267 (2	ZNF350 (2.2)	CCL22 (2.1)

DDB2 (2.7)	C12orf65 (2.7)	CCDC18 (2.5)	PGS1 (2.3)	C17orf57 (1.9)
C11orf9 (2.5)	POLR2C (2.5)	HNF1A (2.4)	TAGLN (2.2)	ELMO3 (2.1)
MACF1 (3.4)	TCAP (3.3)	KCTD10 (3.1)	ETV5 (2.7)	HNF4A (2.6)
ENSG00000256746 (3	LILRB2 (2.8)	KCTD19 (2.4)	FPR3 (2.1)	DUSP3 (2.0)
MON1A (2.9)	OR5L2 (2.8)	ZNF615 (2.7)	PXK (2.7)	REEP3 (2.5)
PDIA3 (3.4)	ENSG00000179523 (3	ZNF614 (3.1)	TBL2 (3.0)	TMED5 (2.6)
PDIA3 (3.4)	ENSG00000179523 (3	ZNF614 (3.1)	TBL2 (3.0)	TMED5 (2.6)
DUSP3 (2.3)	MTCH2 (2.3)	PLA2G15 (2.2)	PRMT7 (2.0)	C16orf86 (1.9)
PDE3A (2.5)	FRMD5 (2.2)	ENSG00000256746 (2	ENSG00000181296 (2	SIDT2 (1.9)
MTCH2 (3.8)	TMEM208 (3.0)	PTPMT1 (2.9)	PSMB10 (2.4)	PPIP5K1 (2.2)
DDB2 (3.2)	CENPT (2.9)	SKA1 (2.9)	SETD8 (2.9)	CKAP5 (2.8)
PCIF1 (2.3)	BUD13 (2.2)	C12orf43 (2.1)	ENSG00000179523 (2	ZNF335 (2.0)
DGKG (3.0)	HCAR1 (2.9)	KCTD6 (2.5)	CD300LG (2.4)	SLC9A5 (2.2)
C12orf43 (2.5)	OGFOD1 (2.5)	ADAL (2.4)	BMP8A (2.4)	PCIF1 (2.2)
MVK (2.7)	TMEM208 (2.6)	SEC14L4 (2.5)	ATG13 (2.4)	SDF2L1 (2.3)
YDJC (2.7)	ZNF259 (2.6)	INTS10 (2.6)	HARBI1 (2.5)	SPRYD5 (2.4)
RAPSN (2.5)	C17orf57 (2.4)	KCTD19 (2.1)	KCTD10 (2.1)	CATSPER2 (2.1)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (3.0)	C18orf32 (2.2)	PSMB10 (2.2)
TP53BP1 (3.1)	UBR1 (3.1)	KBTBD4 (3.0)	CTDSPL2 (2.9)	MYO1H (2.8)
C12orf43 (2.8)	SPG11 (2.7)	TP53BP1 (2.7)	TMEM62 (2.6)	GFOD2 (2.5)
ENSG00000236267 (2	UBR1 (2.1)	ENSG00000255507 (2	UVRAG (2.0)	LRRC29 (1.9)
DEPDC1 (3.5)	SKA1 (3.5)	MTF2 (3.2)	TUBGCP4 (2.9)	CENPT (2.5)
SBNO1 (3.0)	CDK12 (2.9)	UBE3B (2.7)	CASC4 (2.4)	KCTD10 (2.2)
UBR1 (2.6)	C16orf48 (2.6)	ENSG00000247867 (2	SPG11 (2.4)	PCIF1 (2.3)
AGBL2 (2.8)	OR5L2 (2.4)	SPRYD5 (2.3)	TTBK2 (2.3)	KLHL8 (2.2)
PTPRZ1 (3.0)	PLTP (2.6)	STRC (2.6)	MT1M (2.3)	FZD9 (2.2)
CPNE2 (3.0)	MPP2 (2.6)	MPP3 (2.5)	MAP1A (2.3)	BACE1 (2.2)
FNBP4 (2.5)	TP53BP1 (2.4)	NLRC5 (2.2)	NPEPPS (2.0)	CELF1 (2.0)
FNBP4 (2.5)	TP53BP1 (2.4)	NLRC5 (2.2)	NPEPPS (2.0)	CELF1 (2.0)
C16orf86 (2.8)	MLXIPL (2.5)	SLC9A5 (1.9)	ENSG00000182109 (1	KIAA0754 (1.5)
BCAM (2.5)	DOCK6 (2.1)	MACF1 (2.0)	OR4A21P (2.0)	ENSG00000229043 (1
BCL7B (2.8)	DDB2 (2.5)	C16orf48 (2.4)	PCIF1 (2.3)	TTBK2 (2.3)
OGFOD1 (2.3)	KCTD19 (1.8)	OR5I1 (1.6)	FADS2 (1.5)	KLF14 (1.5)
ABCB9 (2.5)	TMEM62 (2.2)	PARD6A (2.1)	MPP2 (2.1)	CCDC11 (1.9)
PSMC3 (3.3)	TUBGCP4 (3.2)	PRMT7 (2.7)	NUP93 (2.3)	SNORD58C (2.2)
ABCA8 (2.8)	MPP2 (2.5)	BACE1 (2.2)	HNF1A (2.0)	REEP3 (2.0)
ABCA8 (2.8)	MPP2 (2.5)	BACE1 (2.2)	HNF1A (2.0)	REEP3 (2.0)
ENSG00000223745 (2	ETV5 (2.4)	ERBB2 (2.4)	GRB7 (2.2)	OR5J2 (1.9)
PAFAH1B2 (2.5)	NPEPPS (2.5)	ADAL (2.4)	SBNO1 (2.3)	UBE2L3 (2.3)
TUBGCP4 (3.4)	MPHOSPH9 (3.4)	KPNB1 (2.9)	CTDSPL2 (2.8)	MTF2 (2.8)
RLTPR (2.2)	KLF14 (2.1)	MADD (2.1)	PTPRJ (2.0)	DOK4 (2.0)
MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.8)	PSMB10 (2.4)	MIEN1 (2.3)
DUS2L (2.9)	SEC14L4 (2.7)	PDHB (2.6)	FNBP4 (2.5)	FADS2 (2.4)
ENSG00000254235 (2	SOST (2.6)	TMEM101 (2.6)	KCTD6 (2.4)	DNAH10 (2.4)
CENPT (3.2)	CCDC18 (3.0)	WDR76 (2.7)	MPHOSPH9 (2.5)	SETD8 (2.5)
PVRL2 (2.0)	C11orf9 (1.9)	RSPO3 (1.8)	EXOC3L1 (1.8)	ZNF614 (1.7)
EIF3J (2.6)	GPN2 (2.5)	ZNF408 (2.3)	RBM6 (2.2)	C7orf50 (2.1)
DYM (2.8)	NCOA5 (2.7)	CXXC1 (2.6)	PGAP3 (2.5)	RELB (2.4)
CELSR2 (2.2)	AFF1 (2.1)	MYO5B (1.7)	PLTP (1.5)	C12orf65 (1.4)
C12orf43 (3.1)	DDX28 (3.0)	PRMT7 (2.9)	OGFOD1 (2.9)	YDJC (2.8)

MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.9)	PSMB10 (2.6)	COX19 (2.2)
ARHGAP1 (2.7)	HNF1A (2.5)	DOK4 (2.5)	SMPD3 (2.4)	MYO1H (2.1)
C7orf50 (2.9)	DCPS (2.8)	SLC9A5 (2.8)	ZNF615 (2.5)	C16orf48 (2.5)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (2.9)	PSMB10 (2.2)	COX19 (2.0)
LSM12 (2.4)	UBR1 (2.3)	SLC9A5 (2.1)	PITPNM2 (2.1)	SOST (2.0)
GPN2 (3.4)	KBTBD4 (3.2)	EDC4 (3.1)	RSPRY1 (2.8)	MIEN1 (2.7)
ST3GAL4 (2.0)	ABHD6 (2.0)	CSGALNACT1 (1.8)	ZNF350 (1.6)	CCDC116 (1.6)
ST3GAL4 (2.0)	ABHD6 (2.0)	CSGALNACT1 (1.8)	ZNF350 (1.6)	CCDC116 (1.6)
BAZ1B (3.9)	MTF2 (3.8)	C16orf48 (3.5)	CTDSPL2 (3.5)	NUP160 (3.4)
HNF4A (2.5)	PYY (2.4)	SPRYD5 (2.2)	SMPD3 (2.2)	CYP2W1 (2.2)
DEPDC1 (3.5)	SKA1 (3.0)	CENPT (2.9)	RBM5 (2.5)	RNF214 (2.4)
KPNB1 (2.5)	C7orf50 (2.4)	TAGLN (2.4)	DUSP3 (2.4)	PTPRZ1 (2.0)
ZNF259 (2.6)	FNBP4 (2.6)	EIF3J (2.4)	ENSG00000181296 (2	MBD1 (2.2)
MT1G (2.3)	CELF1 (2.2)	MT1F (2.2)	MT1M (2.1)	MT1X (2.1)
ENSG00000256746 (2	GPER (2.7)	TTC39B (2.7)	LRRC29 (2.2)	FHOD1 (2.2)
TECTB (3.1)	EPB42 (2.9)	DOK4 (2.9)	MAP1A (2.6)	ENSG00000255507 (2
SNORD58C (2.7)	EIF3J (2.5)	RBM6 (2.5)	GPN2 (2.5)	YDJC (2.4)
DCPS (2.8)	POLR2C (2.4)	ENSG00000223745 (2	PRMT7 (2.3)	ARFGAP2 (2.2)
KBTBD4 (3.1)	DCPS (3.1)	MON1A (2.9)	PCIF1 (2.7)	ARFGAP2 (2.6)
NEUROD2 (2.8)	MAP1A (2.7)	LRP4 (2.4)	FZD9 (2.0)	C1QTNF4 (1.9)
DR1 (2.0)	COX19 (2.0)	PXK (1.9)	TMED5 (1.8)	ZNF350 (1.8)
MADD (3.1)	BMP8A (3.0)	NPEPPS (2.9)	PTPMT1 (2.4)	LSM12 (2.4)
COX19 (2.7)	TMEM208 (2.7)	POLR2C (2.7)	PSMC3 (2.6)	GFOD2 (2.5)
PPY (2.5)	GNAO1 (2.4)	RSPO3 (2.2)	MBD1 (2.1)	C1QTNF4 (2.0)
MTF2 (2.9)	IGF2R (2.9)	ENSG00000236267 (2	NFATC3 (2.2)	SLC7A6 (2.0)
DCPS (2.7)	CASC4 (2.3)	WDR76 (2.3)	POLR2C (2.3)	KIAA0895L (2.2)
HARBI1 (2.8)	OR4A1P (2.7)	ZNF408 (2.7)	DDX28 (2.6)	ADAL (2.6)
KANK2 (2.3)	PVRL2 (2.3)	BACE1 (2.2)	CYP26A1 (2.1)	SLC7A6 (2.1)
TP53BP1 (2.8)	PLEKHG4 (2.6)	TCAP (2.5)	RBM5 (2.4)	MAP1A (2.3)
TTBK2 (2.0)	CX3CL1 (2.0)	TP53BP1 (1.9)	C1QTNF4 (1.8)	BMP8A (1.7)
DUSP3 (3.0)	PACSIN3 (2.9)	GPIHBP1 (2.9)	FHOD1 (2.7)	TAGLN (2.7)
ANGPTL4 (2.1)	ABCA8 (2.0)	LIPG (2.0)	KANK2 (1.9)	MT1H (1.7)
RBM6 (2.2)	SNORD58C (1.7)	JMJD1C (1.6)	COX19 (1.6)	EIF3J (1.6)
CTDSPL2 (4.4)	NUP160 (3.8)	C16orf48 (3.7)	ACD (3.1)	BAZ1B (3.0)
SKA1 (3.6)	MTF2 (3.4)	CTDSPL2 (3.3)	ACD (3.1)	NUP160 (3.0)
C16orf48 (3.9)	CTDSPL2 (3.7)	NUP160 (3.3)	NUDT21 (3.2)	MFAP1 (3.0)
UBE2L3 (2.6)	ENSG00000226334 (2	FNBP4 (2.5)	DYM (2.0)	RBM6 (2.0)
NUDT21 (2.8)	EIF3J (2.7)	CX3CL1 (2.5)	EDC4 (2.5)	DUS2L (2.4)
MPP3 (2.4)	DGKG (2.4)	SOST (2.0)	OR5I1 (1.9)	TNKS (1.9)
ARFGAP2 (2.5)	EIF3J (2.4)	DUS2L (2.2)	UBE2L3 (2.2)	PSMC3 (2.0)
MAP1A (2.4)	GNAO1 (2.4)	CELSR2 (2.3)	MPP3 (2.1)	C11orf9 (2.1)
C17orf57 (2.3)	ELMO3 (2.3)	LIPG (2.3)	ETV5 (2.2)	ABHD6 (2.1)
ENSG00000236267 (2	PITPNM2 (2.4)	ZDHHC18 (2.4)	CCL17 (2.3)	CCDC11 (1.9)
KIAA0754 (2.4)	GPER (2.4)	PACSIN3 (2.3)	GNAO1 (2.3)	MACF1 (2.1)
AMBRA1 (2.3)	B3GNT9 (2.3)	JMJD1C (2.1)	SBNO1 (2.1)	C16orf86 (2.0)
AMBRA1 (2.3)	B3GNT9 (2.3)	JMJD1C (2.1)	SBNO1 (2.1)	C16orf86 (2.0)
CKAP5 (3.4)	CCDC18 (3.1)	SPG11 (3.1)	NUP93 (3.1)	PPIP5K1 (3.1)
DDB2 (2.9)	MIEN1 (2.9)	ARHGAP1 (2.6)	UBE2L3 (2.6)	FBXL20 (2.6)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (2.9)	PPIP5K1 (2.4)	COX19 (2.3)
TMED5 (1.9)	CATSPER2 (1.8)	SMPD3 (1.7)	OR5L2 (1.7)	PDIA3 (1.7)

OR5J2 (2.8)	ARHGAP1 (2.8)	MT1F (2.5)	ZDHHC18 (2.4)	AFF1 (2.3)
CELF1 (2.2)	EYA3 (2.0)	CIAPIN1 (2.0)	ENSG00000254235 (1	NUP160 (1.9)
RSPO3 (2.1)	OR4A1P (1.9)	ERBB2 (1.9)	ENSG00000181296 (1	CCDC11 (1.8)
CATSPER2 (4.2)	HERPUD1 (3.6)	EIF3J (3.5)	PSMC3 (3.2)	TMED5 (2.8)
HSF4 (2.2)	NEUROD2 (2.2)	SLC9A5 (2.1)	C17orf105 (2.1)	RLTPR (2.0)
PDIA3 (3.3)	PIGV (3.0)	TMEM101 (2.8)	TMED5 (2.6)	G6PC3 (2.6)
PDIA3 (3.3)	PIGV (3.0)	TMEM101 (2.8)	TMED5 (2.6)	G6PC3 (2.6)
CKAP5 (3.1)	CENPT (3.1)	DNAH10 (2.9)	MPHOSPH9 (2.4)	DEPDC1 (2.3)
AMBRA1 (2.8)	CCNDBP1 (2.7)	RBM5 (2.6)	NRBF2 (2.6)	COBLL1 (2.4)
MTF2 (2.2)	MST1R (2.2)	UBE2L3 (2.1)	MTCH2 (2.0)	CIAPIN1 (2.0)
PIGV (3.1)	PCSK7 (3.0)	CATSPER2 (2.9)	LRRC29 (2.8)	TMEM208 (2.8)
TNKS (2.4)	LRP4 (2.1)	FRMD5 (1.9)	FZD9 (1.7)	GPER (1.7)
TRNP1 (2.5)	NEUROD2 (2.5)	SNX10 (2.3)	MADD (2.1)	CPNE2 (2.1)
C7orf50 (2.5)	EIF3J (2.4)	DDX28 (2.4)	C12orf43 (2.3)	PRMT7 (2.3)
C7orf50 (2.5)	EIF3J (2.4)	DDX28 (2.4)	C12orf43 (2.3)	PRMT7 (2.3)
SEC14L4 (3.3)	OR4A1P (3.0)	COX19 (2.5)	CXXC1 (2.1)	GPR146 (2.0)
MTCH2 (4.0)	PTPMT1 (3.0)	TMEM208 (3.0)	CIAPIN1 (2.7)	PSMB10 (2.4)
CETP (2.6)	PITPNM2 (2.5)	TGM7 (2.4)	MPP3 (2.3)	PAFAH1B2 (2.1)
MACF1 (2.4)	KPNB1 (2.3)	RBM5 (2.3)	REEP3 (2.2)	DOK4 (2.2)
TECTB (2.1)	CYP26A1 (2.1)	SLC12A4 (1.8)	EXOC3L1 (1.7)	CITED2 (1.7)
MAP1A (2.8)	PITPNM2 (2.6)	MPP2 (2.6)	CELSR2 (2.4)	SCARB1 (2.3)
KBTBD4 (2.9)	DR1 (2.8)	UVRAG (2.4)	HARBI1 (2.4)	ATG13 (2.4)
INTS10 (2.7)	SPRYD5 (2.7)	TMEM101 (2.7)	GPN2 (2.6)	HARBI1 (2.5)
COQ9 (3.3)	PDHB (3.2)	C12orf43 (2.8)	TMEM208 (2.7)	MTCH2 (2.5)
COQ9 (3.3)	PDHB (3.2)	C12orf43 (2.8)	TMEM208 (2.7)	MTCH2 (2.5)
NPEPPS (2.1)	LCMT2 (2.0)	CYP2W1 (2.0)	KIAA0754 (1.9)	DUSP3 (1.8)
SPG11 (2.4)	RSPO3 (2.4)	BBS2 (2.1)	ACP2 (2.1)	SLC12A4 (2.0)
ST3GAL4 (2.3)	ZSCAN29 (2.2)	DNAH10 (2.2)	SEC14L4 (2.0)	C1QTNF4 (1.6)
SKA1 (2.2)	CENPT (2.1)	MAP1A (2.0)	NUP93 (1.9)	FEN1 (1.9)
SKA1 (2.2)	CENPT (2.1)	MAP1A (2.0)	NUP93 (1.9)	FEN1 (1.9)
C16orf86 (2.2)	DOK4 (2.0)	BCL7B (1.9)	OR4A21P (1.9)	MAP1A (1.8)
BCL7B (2.1)	MAP1A (2.0)	MT1M (2.0)	C17orf57 (1.9)	PCSK7 (1.9)
CTDSPL2 (4.1)	SKA1 (3.9)	DDB2 (3.5)	MFAP1 (3.3)	SPG11 (3.3)
CTDSPL2 (4.1)	SKA1 (3.9)	DDB2 (3.5)	MFAP1 (3.3)	SPG11 (3.3)
MT1H (3.2)	TBL2 (3.2)	MT1X (2.9)	MT1E (2.7)	ZNF408 (2.5)
TRNP1 (2.5)	SLC12A4 (2.5)	PPIP5K1 (2.3)	DOK4 (2.3)	PCSK7 (2.2)
DUSP3 (1.9)	CSGALNACT1 (1.9)	NOL3 (1.8)	PARD6A (1.7)	PDE3A (1.7)
CYP26A1 (2.2)	CASC4 (2.2)	CCDC92 (2.2)	REEP3 (2.0)	SPRYD5 (1.9)
MTCH2 (3.9)	PTPMT1 (2.9)	TMEM208 (2.9)	PSMB10 (2.2)	C18orf32 (2.2)
C7orf50 (2.3)	ZNF259 (2.3)	KPNB1 (2.2)	OGFOD1 (2.1)	TOMM40 (2.1)
DYM (2.0)	DCPS (1.9)	SLC9A5 (1.8)	ZNF350 (1.8)	PIGV (1.7)
ZNF613 (2.9)	PSMC3 (2.7)	COX19 (2.7)	MIEN1 (2.6)	TMEM208 (2.5)
CENPT (3.0)	CKAP5 (2.9)	DNAH10 (2.5)	MPHOSPH9 (2.3)	STRC (2.1)
CYP26A1 (2.5)	LRP4 (2.2)	ENSG00000226645 (2	B3GNT9 (1.8)	SLC12A4 (1.8)
ENSG00000247445 (2	DOCK6 (2.6)	FRMD5 (2.5)	TRIB1 (2.4)	SLC39A13 (2.0)
PTPRZ1 (2.4)	TNKS (1.9)	TMEM101 (1.9)	CASC4 (1.8)	FZD9 (1.7)
RSPO3 (2.4)	HDAC5 (2.2)	NPEPPS (2.2)	C11orf9 (2.1)	PCSK7 (1.9)
PPP1R1B (2.6)	CX3CL1 (2.4)	GNAO1 (2.2)	MPP2 (2.2)	MAP1A (2.1)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.9)	C18orf32 (2.3)	COX19 (2.2)
RSPO3 (2.2)	ENSG00000254235 (2	DOK4 (1.9)	KLF14 (1.9)	THAP11 (1.8)

ACP2 (2.3)	PLA2G6 (2.1)	SPI1 (2.0)	LILRA3 (2.0)	ABCB9 (1.8)
KPNB1 (2.0)	RLTPR (1.9)	CKAP5 (1.9)	E2F4 (1.8)	SDF2L1 (1.8)
ZNF613 (2.9)	COX19 (2.8)	PSMC3 (2.7)	MIEN1 (2.6)	TMEM208 (2.3)
KCTD10 (3.1)	SNORD58C (2.6)	SLC7A6 (2.5)	PDIA3 (2.3)	TRNP1 (2.2)
OR5J2 (2.1)	CCDC116 (2.0)	FHOD1 (1.9)	PYY (1.9)	VEGFA (1.8)
KLF14 (2.8)	CYP2W1 (2.6)	ADAL (2.3)	ENSG00000181296 (2	RSPO3 (2.0)
HARBI1 (2.6)	MYBPC3 (2.5)	KLF14 (2.1)	ENSG00000229043 (2	OR4A21P (2.0)
SNX10 (2.5)	GNAO1 (2.4)	MADD (2.4)	NEUROD2 (2.3)	CPNE2 (2.3)
SKA1 (3.9)	C16orf48 (3.7)	BAZ1B (3.6)	DDB2 (2.9)	C7orf50 (2.9)
TGM7 (1.8)	PPIP5K1 (1.8)	GPIHBP1 (1.7)	ENSG00000179523 (1	ENSG00000255507 (1
ENSG00000226334 (2	CYP26A1 (1.7)	SCARB1 (1.6)	TSNAXIP1 (1.4)	CYP2W1 (1.4)
SMPD3 (2.8)	BACE1 (2.4)	PDE3A (2.1)	DPEP3 (2.0)	STRC (2.0)
SLC7A6OS (3.1)	DDX28 (2.8)	EIF3J (2.6)	SNORD58C (2.3)	DUS2L (2.3)
MFAP1 (2.7)	PAFAH1B2 (2.6)	C7orf50 (2.5)	ENSG00000226334 (2	CASC4 (2.3)
SLC7A6 (2.1)	B3GNT9 (2.0)	PPP1R1B (1.9)	LILRA3 (1.8)	SFN (1.8)
ADAL (2.5)	CD40 (2.4)	RLTPR (2.4)	PIGV (2.4)	LILRA3 (2.2)
JMJD1C (2.1)	C7orf50 (2.0)	OR5I1 (2.0)	DOCK6 (1.9)	FAM192A (1.9)
C16orf48 (3.1)	YDJC (3.0)	FEN1 (3.0)	WDR76 (2.7)	INTS10 (2.5)
FNBP4 (2.3)	KPNB1 (2.0)	OR4A21P (2.0)	SLC7A6 (1.6)	NUP93 (1.5)
TBL2 (2.4)	ABCA1 (2.3)	SOST (2.2)	MPP3 (2.2)	CX3CL1 (2.2)
KLHL8 (2.8)	SPRYD5 (2.6)	OR5L2 (2.6)	GFOD2 (2.5)	SPG11 (2.4)
ENSG00000247445 (2	DGAT2 (1.9)	NOL3 (1.8)	SCARB1 (1.7)	MT1E (1.7)
DEPDC1 (3.3)	NUP160 (3.2)	DDB2 (3.1)	NUP93 (3.0)	CTDSPL2 (2.9)
ENSG00000226645 (2	SNORD58C (2.3)	ZNF664 (2.3)	ENSG00000226334 (2	NUTF2 (2.1)
NUTF2 (3.1)	FAM192A (3.0)	DDB2 (2.9)	MTF2 (2.7)	POLR2C (2.4)
NUTF2 (2.5)	NUP160 (2.3)	PGAP3 (2.3)	NCOA5 (2.3)	FNBP4 (2.2)
UBE2L3 (2.9)	PSMC3 (2.8)	FNBP4 (2.6)	ZNF259 (2.5)	KPNB1 (2.4)
CBFB (2.2)	PAFAH1B2 (2.1)	FPR3 (1.9)	PPIP5K1 (1.9)	GLUL (1.9)
ACD (2.7)	MPHOSPH9 (2.4)	NUDT21 (2.3)	KBTBD4 (2.2)	NUP160 (2.2)
AMBRA1 (2.7)	TRNP1 (2.3)	MACF1 (2.2)	DYM (2.2)	SLC39A13 (2.0)
FEN1 (2.5)	MACF1 (2.4)	CCDC18 (2.3)	NUP93 (2.2)	ETV5 (2.2)
OR5J2 (2.3)	TBKBP1 (2.2)	GPIHBP1 (2.0)	SLC9A5 (2.0)	SLC7A6OS (1.9)
C16orf48 (2.7)	PARD6A (2.6)	OR5L2 (2.5)	BUD13 (2.5)	OR5J2 (2.5)
HNF1A (2.3)	COBLL1 (2.2)	LRRC29 (2.2)	BACE1 (2.0)	G6PC3 (2.0)
YDJC (2.8)	THAP11 (2.5)	ENSG00000223745 (2	ADAL (2.4)	SBNO1 (2.3)
E2F4 (2.4)	CCNDBP1 (2.2)	ZNF335 (2.2)	KLHL8 (2.1)	THAP11 (2.0)
PDE3A (3.6)	ARHGAP1 (3.6)	FRMD5 (3.3)	RAPSN (3.0)	KANK2 (3.0)
DPEP2 (2.4)	ENSG00000247445 (2	DCPS (2.2)	PRMT7 (2.2)	HARBI1 (2.1)
CD40 (3.1)	CCL17 (3.1)	CX3CL1 (2.7)	ZDHHC18 (2.7)	SFN (2.4)
YDJC (2.6)	LRRC29 (2.5)	DUS2L (2.4)	CYP2W1 (2.4)	C17orf57 (2.4)
PRMT7 (3.7)	ACD (3.6)	PARD6A (3.5)	BBS2 (3.5)	THAP11 (3.3)
ENSG00000182109 (2	MPP2 (2.4)	GNAO1 (2.4)	NFATC3 (2.3)	MADD (2.1)
MTCH2 (3.8)	PTPMT1 (3.1)	TMEM208 (2.8)	COX19 (2.2)	PSMB10 (2.2)
EYA3 (3.0)	MBD1 (2.5)	XKR8 (2.4)	OR5L2 (2.2)	SNORD58C (2.2)
MTCH2 (4.2)	PTPMT1 (3.2)	ACAA2 (2.6)	TMEM208 (2.5)	C18orf32 (2.3)
RBM6 (2.1)	BUD13 (2.1)	BAZ1B (2.1)	THAP11 (2.0)	MPHOSPH9 (2.0)
DDX28 (2.9)	EIF3J (2.6)	C7orf50 (2.5)	SLC7A6OS (2.4)	LCMT2 (2.1)
FZD9 (3.0)	PTPRZ1 (2.6)	SMPD3 (2.6)	KCTD19 (2.5)	LRP4 (2.2)
RSPRY1 (2.4)	C16orf70 (2.3)	OGFOD1 (2.1)	MIEN1 (2.1)	TMEM101 (2.1)
NUP93 (2.2)	PSMC3 (2.2)	NUP160 (2.1)	LCMT2 (2.0)	GLUL (2.0)

PRMT7 (2.6)	CCNDBP1 (2.4)	UBE3B (2.1)	MIEN1 (2.1)	LCMT2 (2.1)
PPIP5K1 (2.5)	ABCA8 (2.5)	TAGLN (2.5)	DUS2L (2.2)	CASC4 (2.1)
RLTPR (2.6)	KLHL8 (2.2)	DDX28 (2.0)	ZNF408 (2.0)	OR5I1 (1.9)
COQ9 (2.3)	C16orf70 (2.1)	OGFOD1 (2.1)	PTPMT1 (2.1)	CIAPIN1 (2.0)
BUD13 (2.9)	ARID1A (2.9)	AMBRA1 (2.9)	DR1 (2.6)	BAZ1B (2.6)
GPN2 (2.6)	RBM6 (2.5)	CXXC1 (2.4)	PRMT7 (2.4)	FNBP4 (2.3)
ENSG00000254235 (2	PDE3A (2.0)	SNX13 (2.0)	ZFAND2A (2.0)	CITED2 (1.9)
TGM7 (2.1)	FZD9 (2.0)	MYO1H (2.0)	KIAA0754 (1.7)	ENSG00000229043 (1
RLTPR (2.5)	ENSG00000254235 (2	ENSG00000236267 (2	MYO1H (2.1)	LILRA3 (2.1)
DEPDC1 (4.8)	ACD (3.4)	CENPT (3.4)	NUP93 (3.1)	NUP160 (2.9)
G6PC3 (2.8)	PCIF1 (2.8)	EIF3J (2.6)	MFAP1 (2.5)	DDX28 (2.5)
TGM7 (2.5)	TGM5 (2.3)	CCDC18 (2.3)	GPR146 (2.2)	TECTB (2.2)
DDB2 (4.2)	C16orf48 (3.6)	ACD (3.3)	BAZ1B (3.1)	NUDT21 (2.9)
BMP8A (2.7)	ZSCAN29 (2.3)	ENSG00000247445 (2	TECTB (2.2)	NLRC5 (2.2)
BMP8A (2.7)	ZSCAN29 (2.3)	ENSG00000247445 (2	TECTB (2.2)	NLRC5 (2.2)
TMED5 (2.0)	CATSPER2 (1.9)	ELMO3 (1.8)	DDB2 (1.7)	ACAA2 (1.6)
C11orf9 (4.0)	TTBK2 (3.1)	CELSR2 (2.4)	ABCB9 (2.4)	RLTPR (2.4)
TRPS1 (2.8)	MT1E (2.5)	FZD9 (2.5)	SLC12A4 (2.4)	TAGLN (2.3)
NLRC5 (2.5)	CCL17 (2.5)	PCSK7 (2.3)	BMP8A (2.2)	CETP (2.2)
NLRC5 (2.5)	CCL17 (2.5)	PCSK7 (2.3)	BMP8A (2.2)	CETP (2.2)
CTRL (3.1)	C18orf32 (3.0)	ATG13 (2.5)	OR5L2 (2.3)	EYA3 (2.3)
NUP160 (2.3)	NCOA5 (2.2)	RBM6 (2.1)	UBE2L3 (2.1)	KPNB1 (2.1)
NUP160 (2.3)	NCOA5 (2.2)	RBM6 (2.1)	UBE2L3 (2.1)	KPNB1 (2.1)
C7orf50 (2.6)	OGFOD1 (2.4)	PRMT7 (2.4)	NUP160 (2.2)	RBM6 (2.1)
CENPT (2.9)	WDR76 (2.8)	SETD8 (2.4)	SKA1 (2.3)	DCPS (2.2)
GNAO1 (2.7)	C1QTNF4 (2.7)	MYO5B (2.6)	PARD6A (2.4)	CYP2W1 (2.2)
TTBK2 (2.7)	C1QTNF4 (2.6)	MPP3 (2.4)	SPG11 (2.1)	FZD9 (2.1)
FAM192A (4.2)	EDC4 (4.0)	RANBP10 (3.8)	NFATC3 (3.3)	PRMT7 (3.0)
NUTF2 (2.4)	KPNB1 (2.3)	NPEPPS (2.3)	CDK12 (2.2)	MED1 (2.1)
NUTF2 (2.4)	KPNB1 (2.3)	NPEPPS (2.3)	CDK12 (2.2)	MED1 (2.1)
PGAP3 (2.8)	CDK12 (2.6)	NFATC3 (2.5)	KPNB1 (2.5)	FHOD1 (2.3)
SFN (1.7)	CCDC11 (1.3)	C17orf57 (1.3)	CYP26A1 (1.3)	ENSG00000223745 (1
YDJC (2.3)	OGFOD1 (2.2)	TUBGCP4 (2.0)	ATG13 (1.9)	NUTF2 (1.8)
KIAA0895L (2.8)	NEUROD2 (2.7)	MADD (2.7)	PPIP5K1 (2.6)	STRC (2.5)
C17orf57 (2.9)	SPRYD5 (2.4)	DUSP3 (2.3)	FPR3 (2.3)	PITPNM2 (2.3)
CLPTM1 (2.7)	ATG13 (2.5)	ACP2 (2.1)	XKR8 (2.1)	REEP3 (1.9)
MPP2 (2.5)	ZDHHC18 (2.4)	LRP4 (2.0)	MPP3 (2.0)	PITPNM2 (1.9)
MPP2 (2.5)	ZDHHC18 (2.4)	LRP4 (2.0)	MPP3 (2.0)	PITPNM2 (1.9)
GNAO1 (2.5)	GALNT2 (2.5)	MPP3 (2.4)	PITPNM2 (2.3)	UBE2L3 (2.2)
OR4A21P (2.7)	SMPD3 (2.7)	KLF14 (2.3)	MLXIPL (2.1)	STRC (2.1)
PCIF1 (2.1)	CCNDBP1 (2.0)	DCPS (1.8)	GFOD2 (1.8)	FAM192A (1.7)
CENPT (3.5)	CCDC18 (3.4)	DEPDC1 (3.3)	BAZ1B (3.2)	DDB2 (3.0)
ACD (2.6)	NUP160 (2.5)	CELF1 (2.4)	POLR2C (2.4)	ENSG00000223745 (2
NUDT21 (4.1)	DDB2 (4.1)	NUP160 (4.0)	C16orf48 (3.5)	ACD (3.4)
SETD8 (2.5)	DDB2 (2.1)	WDR76 (2.1)	PARD6A (2.0)	KIAA0754 (2.0)
CPS1 (2.3)	ENSG00000236267 (2	GFOD2 (2.0)	DNAH10 (1.9)	AMFR (1.8)
RANBP10 (2.9)	GRB7 (2.8)	MYO5B (2.7)	PITPNM2 (2.5)	TCAP (2.4)
SETD8 (2.4)	CETP (2.3)	DPEP2 (2.2)	ABHD6 (2.1)	OR5I1 (2.1)
TSNAXIP1 (2.4)	LILRA3 (2.3)	DUS2L (2.2)	MFAP1 (2.1)	KLHL8 (2.0)
TSNAXIP1 (2.4)	LILRA3 (2.3)	DUS2L (2.2)	MFAP1 (2.1)	KLHL8 (2.0)

TSNAXIP1 (2.4)	LILRA3 (2.3)	DUS2L (2.2)	MFAP1 (2.1)	KLHL8 (2.0)
PDHB (2.6)	GPN2 (2.6)	NDUFS3 (2.5)	MED1 (2.4)	CIAPIN1 (2.4)
CKAP5 (2.5)	RBM6 (2.5)	ZSCAN29 (2.2)	NUP160 (2.2)	C16orf48 (2.1)
TRADD (2.8)	C16orf86 (2.6)	SPRYD5 (2.4)	BMP8A (2.3)	COBLL1 (2.0)
ENSG00000181296 (2	EPB42 (2.2)	HNF1A (2.1)	SLC9A5 (2.0)	ACAA2 (1.8)
FZD9 (2.3)	TGM7 (2.3)	SPRYD5 (2.0)	RBPJ (2.0)	CSGALNACT1 (1.9)
CITED2 (1.9)	PARD6A (1.8)	FNBP4 (1.8)	B3GNT9 (1.8)	ENSG00000226645 (1
KIAA0895L (2.7)	TBKBP1 (2.3)	LRRC29 (2.2)	LSM12 (2.2)	MPP2 (2.2)
KIAA0895L (2.7)	TBKBP1 (2.3)	LRRC29 (2.2)	LSM12 (2.2)	MPP2 (2.2)
GPER (2.5)	RSPO3 (2.5)	SMPD3 (2.2)	YDJC (2.2)	PDE3A (2.2)
C12orf43 (2.8)	TMEM62 (2.7)	SPG11 (2.6)	TP53BP1 (2.5)	GFOD2 (2.5)
ENSG00000226645 (2	ABCA8 (2.2)	ETV5 (2.2)	GNAO1 (2.1)	CCDC92 (2.0)
LRRC29 (2.3)	ENSG00000236267 (2	DR1 (2.0)	ENSG00000256746 (1	SBNO1 (1.8)
NCOA5 (2.6)	RNF214 (2.6)	CXXC1 (2.6)	FNBP4 (2.6)	C16orf86 (2.5)
PDE3A (2.7)	KCTD6 (2.6)	DUSP3 (2.3)	DOCK6 (2.2)	NLRC5 (2.1)
DYM (2.4)	CSGALNACT1 (2.4)	KCTD6 (2.4)	PITPNM2 (2.2)	ENSG00000247445 (2
MACF1 (2.8)	MYBPC3 (2.7)	PVRL2 (2.6)	DUSP3 (2.6)	DGKG (2.5)
PRMT7 (2.7)	C7orf50 (2.6)	SLC7A6OS (2.5)	GPN2 (2.4)	SNORD58C (2.3)
PITPNM2 (2.9)	CITED2 (2.7)	PACSIN3 (2.6)	TTBK2 (2.6)	STRC (2.4)
ENSG00000236267 (2	PVRL2 (2.5)	ETV5 (2.3)	CELSR2 (2.2)	B3GNT9 (2.2)
SPRYD5 (2.2)	TRNP1 (2.2)	GRB7 (2.2)	HARBI1 (2.1)	HSF4 (1.9)
ATG13 (3.4)	RANBP10 (2.9)	ZSCAN29 (2.9)	HARBI1 (2.8)	GFOD2 (2.7)
DGKG (2.9)	DOK4 (2.8)	GNAO1 (2.6)	CELF1 (2.6)	MAP1A (2.5)
OR4A21P (2.6)	DNAH10 (2.6)	DUSP3 (2.5)	PITPNM2 (2.4)	CTRL (2.1)
CTDSPL2 (4.2)	NUP160 (3.9)	C16orf48 (3.7)	ACD (3.3)	SKA1 (3.3)
C1QTNF4 (2.2)	ENSG00000254235 (2	PACSIN3 (2.0)	ZNF664 (1.6)	FBXL20 (1.6)
TUBGCP4 (2.1)	WDR76 (2.0)	CD36 (1.9)	OR4A21P (1.8)	ENSG00000181123 (1
DNAH10 (3.0)	MACF1 (2.6)	BCAM (2.6)	NOL3 (2.3)	TMEM175 (2.2)
MT1F (2.3)	GPER (2.3)	C18orf32 (2.2)	OR4A1P (2.2)	TMEM62 (2.1)
ANGPTL4 (2.0)	APOA4 (1.9)	ACP2 (1.8)	SLC39A13 (1.8)	ACAA2 (1.8)
LRRC29 (2.5)	TSNAXIP1 (2.4)	C11orf49 (2.4)	DNAH10 (2.1)	ENSG00000179523 (2
PPP1R1B (2.7)	DGKG (2.6)	CX3CL1 (2.6)	SLC9A5 (2.5)	NEUROD2 (2.4)
GNAO1 (2.4)	NEUROD2 (2.4)	SNX10 (2.3)	MYO5B (2.0)	CPNE2 (2.0)
SPRYD5 (2.6)	OR5L2 (2.6)	GFOD2 (2.5)	AGBL2 (2.3)	KLHL8 (2.2)
ENSG00000226645 (2	ENSG00000255507 (2	CCDC116 (2.4)	ABCB9 (2.4)	FZD9 (2.4)
LCMT2 (2.9)	PSMC3 (2.8)	EIF3J (2.7)	SPG11 (2.6)	PRMT7 (2.4)
FRMD5 (2.7)	PDE3A (2.6)	PVRL2 (2.5)	LRP4 (2.4)	PYY (2.3)
WDR76 (3.0)	NUTF2 (2.9)	CENPT (2.8)	DCPS (2.4)	SKA1 (2.4)
OR4A1P (3.3)	MT1E (3.2)	TBL2 (3.2)	MT1H (3.0)	MT1X (2.7)
TMEM101 (3.1)	PDIA3 (3.1)	PGAP3 (3.0)	SDF2L1 (2.7)	ST3GAL4 (2.6)
MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.8)	PPIP5K1 (2.3)	PSMB10 (2.3)
MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.8)	PPIP5K1 (2.3)	PSMB10 (2.3)
CKAP5 (2.9)	NUDT21 (2.8)	DR1 (2.8)	PRMT7 (2.8)	BUD13 (2.8)
CKAP5 (2.9)	NUDT21 (2.8)	DR1 (2.8)	PRMT7 (2.8)	BUD13 (2.8)
COQ9 (2.6)	ADAL (2.4)	KCTD6 (2.1)	CIAPIN1 (2.1)	C18orf32 (2.1)
ETV5 (2.6)	PAFAH1B2 (2.6)	ERBB2 (2.4)	BAZ1B (2.3)	GRB7 (2.2)
KCTD10 (2.9)	SLC39A13 (2.4)	SFN (2.3)	FHOD1 (2.2)	MST1R (2.2)
TTBK2 (2.3)	BCAM (2.0)	CCL22 (1.9)	G6PC3 (1.9)	MST1R (1.8)
SNORD58C (2.2)	HARBI1 (1.9)	ARFGAP2 (1.9)	FNBP4 (1.8)	ZNF335 (1.8)
NUP160 (3.0)	KLHL8 (2.8)	ENSG00000179523 (2	EIF3J (2.7)	OGFOD1 (2.6)

NUP160 (3.0) KLHL8 (2.8) ENSG00000179523 (2 EIF3J (2.7) OGFOD1 (2.6)
GNAO1 (2.7) TRNP1 (2.7) RLTPR (2.7) MAP1A (2.6) C1QTNF4 (2.6)
KIAA0895L (2.9) TP53BP1 (2.6) TSNAXIP1 (2.5) SPG11 (2.4) PLEKHG4 (2.3)
MBD1 (2.1) TECTB (2.0) DDB2 (1.9) ABCB9 (1.9) MAFF (1.8)
C16orf86 (2.7) LIPG (2.5) RBM6 (2.1) G6PC3 (2.0) C1QTNF4 (1.9)
ENSG00000181123 (1 DNAH10 (1.7) RAPSN (1.7) ZNF664 (1.7) KCTD6 (1.6)
DGKG (2.7) SLC9A5 (2.6) PTPRZ1 (2.5) ACP2 (2.3) PPIP5K1 (2.2)
EIF3J (3.2) DYM (3.0) KLHL8 (2.9) TMEM101 (2.8) ARFGAP2 (2.5)
GNAO1 (2.8) ABCB9 (2.6) DGKG (2.4) PITPNM2 (2.4) ENSG00000226334 (2
NUP160 (2.6) KPNB1 (2.5) INTS10 (2.2) RBM6 (2.1) FNBP4 (2.0)
ELMO3 (2.3) DR1 (2.2) MST1R (2.1) TMED5 (2.0) PVRL2 (1.9)
CYP26A1 (2.8) DOK4 (2.7) TGM7 (2.6) ETV5 (2.5) FZD9 (2.2)
DOK4 (2.9) DNAH10 (2.2) HNF4A (2.1) PYY (1.9) CYP26A1 (1.9)
ATG13 (3.2) GFOD2 (3.1) HARBI1 (3.0) RANBP10 (2.9) NUTF2 (2.6)
RSPO3 (2.1) LIPG (2.0) MT1E (2.0) C12orf65 (1.8) OR5I1 (1.8)
GNAO1 (2.7) RSPO3 (2.6) CELSR2 (2.6) TP53BP1 (2.5) MPP2 (2.2)
CTRL (3.0) PLTP (2.6) TBL2 (2.3) SLC12A4 (2.0) REEP3 (1.9)
NCOA5 (2.8) DCPS (2.2) MPHOSPH9 (2.2) C11orf49 (2.1) BAZ1B (2.0)
TRADD (2.4) ENSG00000179523 (2 KIAA0895L (2.2) C16orf48 (2.1) GFOD2 (2.1)
KLHL8 (2.6) YDJC (2.6) SNORD58C (2.6) THAP11 (2.5) DR1 (2.4)
NUP160 (3.6) DDB2 (3.5) CTDSPL2 (3.5) MTF2 (3.4) BAZ1B (3.2)
GNAO1 (2.5) SNX10 (2.5) NEUROD2 (2.2) FADS1 (2.2) CPNE2 (2.1)
NUTF2 (3.1) DDB2 (2.9) CTDSPL2 (2.7) ACD (2.6) POLR2C (2.5)
ZNF664 (2.4) KIAA0754 (2.4) MAP1A (2.4) AMBRA1 (2.1) PVRL2 (2.0)
ABCA8 (2.7) AMFR (2.5) MAP1A (2.3) MADD (2.3) SLC12A4 (2.0)
SBNO1 (2.3) FRMD5 (2.2) CTDSPL2 (2.1) CCDC116 (2.1) SPRYD5 (2.1)
ABCA8 (1.7) SNX10 (1.7) TTBK2 (1.6) PTPRJ (1.6) C11orf49 (1.6)
KCTD6 (2.0) BUD13 (2.0) PTPMT1 (1.9) ZNF259 (1.8) DR1 (1.7)
MPP2 (2.3) KIAA0895L (2.2) ENSG00000254235 (2 C16orf70 (2.1) HSF4 (2.1)
TMEM62 (2.2) CPNE2 (2.1) XKR8 (1.9) ANGPTL4 (1.7) IGF2R (1.7)
SKA1 (3.2) ADAL (3.0) DDB2 (2.8) BAZ1B (2.7) CTDSPL2 (2.7)
C16orf48 (3.7) CCDC18 (3.7) CENPT (3.7) DEPDC1 (3.6) NUDT21 (3.1)
C16orf70 (2.2) HNF1A (2.1) HSF4 (2.1) SPRYD5 (1.9) CYP26A1 (1.9)
GLUL (2.6) MT1H (2.3) ESRP2 (2.0) CX3CL1 (1.9) MT1X (1.9)
DOK4 (2.5) PCSK7 (2.4) ZNF613 (2.3) EPB42 (2.2) C17orf105 (2.2)
SLC12A4 (2.8) DNAH10 (2.6) CASC4 (2.4) BBS2 (2.3) AGBL2 (2.3)
PSMC3 (3.0) ARFGAP2 (2.6) ZNF613 (2.6) HERPUD1 (2.4) MTCH2 (2.4)
DEPDC1 (3.9) SKA1 (3.8) CENPT (3.8) CASC4 (2.5) C16orf48 (2.5)
DEPDC1 (3.9) SKA1 (3.8) CENPT (3.8) CASC4 (2.5) C16orf48 (2.5)
ZNF614 (2.1) CITED2 (1.9) FNBP4 (1.9) NCOA5 (1.8) KPNB1 (1.7)
MTCH2 (3.9) PTPMT1 (3.1) TMEM208 (2.8) COX19 (2.3) PSMB10 (2.2)
MAP1A (2.6) ABCB9 (2.6) C11orf9 (2.4) FRMD5 (2.1) NEUROD2 (2.0)
GRB7 (2.7) BCAM (2.7) COBLL1 (2.6) MYO5B (2.6) C1orf172 (2.3)
CENPT (3.6) ACD (3.2) DDB2 (3.2) PARD6A (3.1) SKA1 (3.1)
SNX10 (2.3) GNAO1 (2.3) MYO5B (2.2) TRNP1 (2.2) C1QTNF4 (2.1)
PDE3A (2.7) MPP3 (2.6) SLC12A3 (2.6) PITPNM2 (2.4) PPY (2.3)
MAP1A (3.0) C1QTNF4 (2.9) BACE1 (2.9) PARD6A (2.6) RLTPR (2.4)
MON1A (2.1) CYP2W1 (1.9) ERBB2 (1.9) LRP4 (1.9) SLC7A6OS (1.9)
ACAA2 (2.5) PTPMT1 (2.3) CES4A (2.3) GPN2 (2.1) SLC22A1 (2.1)
THAP11 (3.3) CIAPIN1 (2.8) SPRYD5 (2.8) GPN2 (2.2) YDJC (2.1)

THAP11 (3.3)	CIAPIN1 (2.8)	SPRYD5 (2.8)	GPN2 (2.2)	YDJC (2.1)
SNORD58C (2.4)	C12orf65 (2.3)	OGFOD1 (2.3)	ENSG00000247445 (2	HSF4 (2.3)
DEPDC1 (3.4)	SKA1 (3.0)	CENPT (2.8)	RNF214 (2.5)	ZNF335 (2.2)
SNORD58C (2.4)	KIAA0895L (2.4)	COX19 (2.1)	PSMC3 (2.0)	UBE2L3 (2.0)
CD36 (2.7)	MTMR3 (2.6)	ZNF408 (2.1)	CCNDBP1 (2.0)	APOC1 (1.8)
KANK2 (2.2)	PXK (2.2)	SNORD58C (2.1)	CCDC116 (2.1)	MT1M (2.0)
GALNT2 (2.1)	PRMT7 (1.9)	NDUFS3 (1.8)	TMEM175 (1.8)	PPIP5K1 (1.8)
SPG11 (2.7)	CTDSPL2 (2.6)	BAZ1B (2.5)	SKA1 (2.5)	ACD (2.4)
AFF1 (2.1)	GALNT2 (2.0)	CASC4 (1.9)	FRMD5 (1.8)	TMEM101 (1.8)
CBFB (2.3)	CMIP (2.2)	DOK4 (2.2)	TCAP (2.2)	ZDHHC18 (2.1)
BMP8A (2.6)	MYBPC3 (2.6)	DOK4 (2.4)	CYP26A1 (2.4)	SLC7A6 (2.2)
SNX10 (2.0)	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	PITPNM2 (1.8)
SNX10 (2.0)	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	PITPNM2 (1.8)
SNX10 (2.0)	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	PITPNM2 (1.8)
FZD9 (2.6)	TRPS1 (2.6)	CITED2 (2.2)	G6PC3 (2.0)	SLC39A13 (1.7)
YDJC (3.1)	EIF3J (3.0)	OGFOD1 (2.9)	C12orf43 (2.8)	SNORD58C (2.8)
ACP2 (2.3)	CPNE2 (2.2)	DUS2L (2.2)	BACE1 (2.2)	HNF1A (2.1)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (3.0)	PPIP5K1 (2.3)	PSMB10 (2.2)
NUP160 (3.5)	DDB2 (3.0)	C16orf48 (2.9)	CTDSPL2 (2.9)	NUP93 (2.8)
MTMR3 (1.9)	SFN (1.9)	TRPS1 (1.9)	CYP2W1 (1.7)	CBFB (1.7)
DR1 (2.9)	KBTBD4 (2.6)	SIK3 (2.6)	ARFGAP2 (2.6)	KLHL8 (2.5)
FZD9 (2.5)	RSPO3 (2.2)	RAPSN (2.1)	NOL3 (2.0)	SLC7A6 (2.0)
OR5J2 (2.4)	PPP1R1B (2.3)	STRC (2.1)	UBE3B (2.1)	DNAH10 (2.0)
ZNF335 (2.5)	C12orf43 (2.3)	TOMM40 (2.3)	FNBP4 (2.3)	ENSG00000223745 (2
FZD9 (3.1)	PIGV (2.8)	PGAP3 (2.1)	ENSG00000254235 (2	C18orf32 (2.0)
OR5L2 (2.7)	OR5I1 (2.4)	AGBL2 (2.3)	TRADD (2.2)	XKR8 (2.2)
REEP3 (2.6)	CETP (2.4)	BCL7B (2.3)	GFOD2 (2.3)	CYP26A1 (2.2)
PDE3A (2.4)	TGM5 (2.3)	ST3GAL4 (2.2)	SOST (2.1)	TCAP (2.1)
OGFOD1 (3.1)	DUS2L (2.7)	EIF3J (2.7)	ENSG00000223745 (2	SPG11 (2.4)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (3.0)	C18orf32 (2.5)	PPIP5K1 (2.5)
MAP1A (2.9)	KANK2 (2.9)	SLC12A4 (2.7)	ABCA8 (2.6)	KIAA0754 (2.5)
ENSG00000254235 (2	DOK4 (1.8)	ENSG00000226334 (1	OR5I1 (1.6)	KLF14 (1.6)
RLTPR (2.8)	KPNB1 (2.7)	DR1 (2.6)	EYA3 (2.5)	CMIP (2.4)
ENSG00000182109 (2	ADAL (2.1)	SBNO1 (2.0)	FZD9 (2.0)	GLUL (2.0)
BACE1 (2.4)	MPP3 (2.4)	DUSP3 (2.3)	CMIP (2.2)	ENSG00000181123 (2
GRB7 (2.8)	ENSG00000247867 (2	BCAM (2.6)	MYO5B (2.6)	C1orf172 (2.4)
STRC (2.2)	APOA4 (2.1)	OR5I1 (2.0)	GFOD2 (1.8)	LILRA3 (1.7)
MT1F (2.6)	TMEM175 (2.5)	APOA4 (2.5)	TBL2 (2.2)	PIGV (2.2)
LSM12 (2.8)	BUD13 (2.7)	PSMC3 (2.7)	DCPS (2.5)	CTDSPL2 (2.3)
PTPRZ1 (2.4)	FRMD5 (2.3)	PGAP3 (2.2)	TGM5 (2.0)	ABCA8 (1.9)
TRADD (3.1)	C17orf105 (2.8)	OGFOD1 (2.6)	GFOD2 (2.4)	PRMT7 (2.3)
CPNE2 (2.4)	C1QTNF4 (2.4)	MYO5B (2.3)	GNAO1 (2.3)	RLTPR (2.2)
C7orf50 (3.1)	TOMM40 (3.0)	PRMT7 (3.0)	GPN2 (3.0)	NUP160 (2.9)
ENSG00000182109 (2	HSF4 (2.1)	SFN (2.1)	C11orf9 (2.0)	C1orf172 (2.0)
CCNDBP1 (3.2)	NUTF2 (3.1)	EIF3J (3.0)	GFOD2 (2.9)	ARFGAP2 (2.7)
C1orf172 (2.1)	ZNF613 (2.0)	G6PC3 (2.0)	SOST (2.0)	PSKH1 (2.0)
BACE1 (2.6)	TTBK2 (2.4)	CELSR2 (2.4)	KIAA0895L (2.4)	ENSG00000181123 (2
WDR76 (2.5)	UBE2L3 (2.4)	KANK2 (2.2)	ACD (2.1)	DDB2 (2.0)
BMP8A (2.6)	KIAA0754 (2.1)	CATSPER2 (2.1)	PTPMT1 (2.1)	TTC39B (2.0)
CX3CL1 (2.7)	NEUROD2 (2.7)	ABCB9 (2.6)	MAP1A (2.5)	CYP2W1 (2.4)

MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (3.0)	PPIP5K1 (2.4)	COX19 (2.2)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (3.0)	PPIP5K1 (2.4)	COX19 (2.2)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (3.0)	PPIP5K1 (2.4)	COX19 (2.2)
TOMM40 (2.6)	EIF3J (2.5)	KPNB1 (2.1)	NUTF2 (2.0)	PRMT7 (2.0)
TP53BP1 (2.6)	CCNDBP1 (2.5)	RBM6 (2.3)	EDC4 (2.1)	DCPS (2.0)
THAP11 (3.3)	SPRYD5 (2.8)	CIAPIN1 (2.8)	GPN2 (2.2)	YDJC (2.2)
PRMT7 (2.8)	SNORD58C (2.6)	NUP160 (2.5)	LCMT2 (2.4)	OGFOD1 (2.3)
TOMM40 (2.4)	NUTF2 (2.3)	EIF3J (2.3)	OGFOD1 (2.1)	RBM6 (2.1)
ARHGAP1 (2.9)	POLR2C (2.5)	NUP160 (2.3)	TAGLN (2.2)	MYBPC3 (2.2)
C16orf48 (2.4)	SPRYD5 (2.3)	PARD6A (2.2)	SOST (2.0)	FAM192A (1.9)
LRRC29 (2.5)	ENSG00000229043 (2	PARD6A (2.4)	TTBK2 (2.3)	C17orf57 (2.2)
PACSIN3 (3.0)	PDE3A (2.7)	PNMT (2.5)	OR5J2 (2.4)	CCDC116 (2.3)
MT1X (1.3)	MT1G (1.3)	CENPT (1.3)	BUD13 (1.3)	ENSG00000256746 (1
MYBPC3 (4.5)	TCAP (3.8)	MTCH2 (3.7)	PTPMT1 (2.6)	TMEM208 (2.6)
PSMC3 (3.0)	POLR2C (2.9)	NOL3 (2.7)	UBE2L3 (2.6)	MIEN1 (2.6)
C17orf105 (1.8)	PLA2G6 (1.5)	GLUL (1.5)	GPR146 (1.4)	CELSR2 (1.4)
ARFGAP2 (2.3)	HSF4 (2.2)	NUP93 (2.2)	OR5J2 (2.2)	ZNF615 (2.1)
ENSG00000179523 (3	PDIA3 (3.3)	TBL2 (2.9)	ZNF614 (2.8)	OR4A1P (2.6)
MPP3 (2.2)	GFOD2 (2.1)	GNAO1 (2.1)	PPIP5K1 (2.0)	NEUROD2 (2.0)
TBKBP1 (2.4)	TTC39B (2.4)	RLTPR (2.3)	ENSG00000256746 (2	C17orf57 (2.1)
DGAT2 (2.4)	MAP1A (2.3)	GNAO1 (2.2)	TBL2 (2.0)	PPP1R1B (1.9)
WDR76 (2.9)	CENPT (2.7)	MFAP1 (2.6)	ENSG00000181123 (2	MTF2 (2.2)
DPEP2 (2.6)	LILRB2 (2.5)	ENSG00000247445 (2	PITPNM2 (2.1)	DUSP3 (2.1)
SETD8 (2.1)	CYP26A1 (2.0)	GFOD2 (1.9)	ENSG00000254235 (1	ENSG00000256746 (1
CYP26A1 (3.4)	ETV5 (3.3)	FZD9 (3.2)	RSPO3 (2.7)	SOST (2.5)
ENSG00000247445 (2	ENSG00000255507 (2	BCL7B (2.3)	ST3GAL4 (2.2)	MYO5B (2.1)
ELMO3 (3.5)	C1orf172 (3.5)	ESRP2 (3.5)	TAGLN (3.4)	PAFAH1B2 (2.6)
LIPC (2.3)	TUBGCP4 (2.0)	ZNF615 (1.9)	CD300LG (1.9)	DPEP3 (1.8)
MTCH2 (4.1)	TMEM208 (3.0)	PTPMT1 (2.8)	PPIP5K1 (2.5)	MIEN1 (2.3)
KANK2 (2.4)	LIPG (2.3)	LRP4 (2.1)	IGF2R (2.0)	TAGLN (1.8)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (3.0)	PSMB10 (2.3)	COX19 (2.3)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (3.0)	PSMB10 (2.3)	COX19 (2.3)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (3.0)	PSMB10 (2.3)	COX19 (2.3)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (3.0)	PSMB10 (2.3)	COX19 (2.3)
SNX10 (2.4)	CPNE2 (2.3)	GNAO1 (2.3)	NEUROD2 (2.2)	MADD (2.2)
OR5I1 (2.6)	PPP1R1B (2.6)	RSPO3 (2.6)	DPEP3 (2.2)	PTPRZ1 (2.2)
PSMB10 (2.0)	RLTPR (2.0)	KIAA0895L (2.0)	DDB2 (1.9)	GNAO1 (1.8)
EXOC3L1 (2.5)	PGAP3 (2.5)	ERBB2 (2.4)	CYP26A1 (2.4)	AGBL2 (2.3)
DGKG (2.3)	ENSG00000254235 (2	LRP4 (2.0)	CASC4 (2.0)	FZD9 (1.8)
SPRYD5 (2.1)	PARD6A (2.1)	CYP26A1 (1.9)	LRP4 (1.8)	MON1A (1.7)
DOK4 (2.2)	UVRAG (2.1)	CX3CL1 (2.0)	TAGLN (2.0)	CPNE2 (1.9)
MPHOSPH9 (3.7)	CTDSPL2 (3.2)	MTF2 (3.1)	SKA1 (3.0)	NUP160 (3.0)
KCTD19 (2.8)	CATSPER2 (2.7)	TBL2 (2.4)	ADAL (2.1)	WDR76 (2.1)
CENPT (2.9)	CKAP5 (2.8)	SKA1 (2.8)	PSMC3 (2.6)	DEPDC1 (2.5)
OGFOD1 (3.3)	HERPUD1 (3.3)	DDX28 (3.0)	HARBI1 (2.5)	C12orf43 (2.5)
GRB7 (3.6)	MYO5B (3.3)	SFN (2.8)	CMIP (2.1)	PACSIN3 (2.1)
LILRA3 (2.4)	OR5I1 (2.2)	LPA (2.0)	LILRB2 (1.9)	ENSG00000247867 (1
MPP3 (3.3)	KIAA0895L (3.2)	C1QTNF4 (2.9)	CATSPER2 (2.8)	ENSG00000182109 (2
RLTPR (2.6)	GNAO1 (2.6)	NEUROD2 (2.2)	YDJC (2.2)	C11orf9 (2.0)
HDAC5 (2.6)	PXK (2.6)	DUSP3 (2.4)	TRNP1 (2.3)	ARHGAP1 (2.0)

ABCA8 (2.9)	KIAA0754 (2.8)	CSGALNACT1 (2.7)	GPER (2.7)	SLC39A13 (2.5)
ENSG00000256746 (2	KIAA0754 (2.1)	C11orf9 (2.0)	C12orf65 (1.9)	LRP4 (1.8)
NEUROD2 (2.8)	MAP1A (2.6)	CX3CL1 (2.6)	MADD (2.5)	ACP2 (2.4)
KBTBD4 (2.7)	NDUFS3 (2.3)	ARFGAP2 (2.2)	CYP26A1 (2.0)	THAP11 (1.9)
C16orf48 (2.2)	MYO1H (2.1)	TGM7 (2.1)	MTF2 (2.1)	AMBRA1 (1.8)
DGKG (3.3)	MPP2 (3.3)	MAP1A (2.8)	PPP1R1B (2.7)	MPP3 (2.7)
CENPT (3.0)	ENSG00000223745 (2	MTF2 (2.7)	CBFB (2.6)	SKA1 (2.6)
PVRL2 (4.5)	ERBB2 (3.7)	LIPG (3.5)	MYO5B (3.5)	SFN (3.3)
FEN1 (3.3)	CTDSPL2 (2.8)	ADAL (2.5)	FHOD1 (2.4)	SLC9A5 (2.2)
SOST (3.3)	LRP4 (3.0)	SMPD3 (2.6)	C1orf172 (2.1)	B3GNT9 (1.9)
PITPNM2 (2.1)	CPNE2 (1.9)	C1QTNF4 (1.8)	CES4A (1.8)	B3GNT9 (1.7)
SMPD3 (2.8)	PITPNM2 (2.7)	CELSR2 (2.6)	MPP2 (2.5)	PPP1R1B (2.2)
OR4A21P (2.0)	LILRA3 (2.0)	SLC7A6 (1.9)	SIK3 (1.9)	AFF1 (1.9)
ENSG00000182109 (2	PLA2G6 (2.5)	NR0B2 (2.2)	MPP2 (2.2)	SLC12A4 (2.0)
SLC9A5 (2.5)	CES4A (2.4)	C11orf49 (2.1)	KIAA0895L (2.1)	EXOC3L1 (2.0)
SLC9A5 (2.5)	CES4A (2.4)	C11orf49 (2.1)	KIAA0895L (2.1)	EXOC3L1 (2.0)
KBTBD4 (3.1)	DR1 (2.8)	SIK3 (2.4)	KLHL8 (2.4)	ATG13 (2.3)
ETV5 (2.2)	TMEM101 (2.0)	ABCA8 (1.9)	ENSG00000254235 (1	ABCB9 (1.7)
MAP1A (2.0)	FRMD5 (1.9)	C11orf49 (1.9)	C12orf65 (1.8)	COQ9 (1.7)
ELMO3 (2.2)	ACAA2 (2.2)	TUBGCP4 (2.2)	C1orf172 (2.2)	BMP8A (2.1)
TP53BP1 (2.9)	UBR1 (2.8)	JMJD1C (2.7)	FBXL20 (2.5)	ENSG00000179523 (2
RLTPR (2.4)	SLC9A5 (2.4)	MYO5B (2.2)	YDJC (2.1)	TRNP1 (2.1)
ENSG00000255507 (2	ZNF350 (2.3)	ZNF613 (2.1)	OR5I1 (2.0)	SMPD3 (1.9)
ABCA1 (2.3)	TRNP1 (2.3)	EXOC3L1 (2.2)	PNMT (2.2)	ABHD6 (2.2)
MT1G (1.4)	ZNF613 (1.4)	CENPT (1.3)	BUD13 (1.3)	ZNF350 (1.2)
CXXC1 (2.6)	HNF1A (2.3)	ARFGAP2 (2.3)	LSM12 (2.2)	NRBF2 (2.2)
CXXC1 (2.6)	HNF1A (2.3)	ARFGAP2 (2.3)	LSM12 (2.2)	NRBF2 (2.2)
CYP26A1 (2.1)	ETV5 (2.1)	BMP8A (2.1)	CDK12 (2.0)	FBXL20 (1.8)
REEP3 (2.8)	SNX13 (2.8)	TMEM101 (2.3)	TMEM208 (2.3)	TECTB (2.1)
OR5J2 (2.7)	ENSG00000181296 (2	JMJD1C (2.5)	FBXL20 (2.3)	TGM5 (2.2)
MTCH2 (4.1)	PTPMT1 (3.2)	TMEM208 (2.9)	C18orf32 (2.3)	CIAPIN1 (2.1)
BCAM (2.5)	MLXIPL (2.4)	SLC9A5 (2.4)	TBKBP1 (2.2)	DOK4 (2.1)
GNAO1 (2.5)	TRNP1 (2.4)	NEUROD2 (2.4)	MADD (2.2)	FADS1 (2.1)
ENSG00000247445 (3	C16orf48 (2.8)	CCDC11 (2.5)	SKA1 (2.3)	STRC (2.2)
SLC7A6OS (2.1)	OGFOD1 (2.0)	SNORD58C (1.9)	C7orf50 (1.8)	ANGPTL4 (1.7)
SLC7A6OS (2.1)	OGFOD1 (2.0)	SNORD58C (1.9)	C7orf50 (1.8)	ANGPTL4 (1.7)
GPIHBP1 (2.7)	GFOD2 (2.6)	PVRL2 (2.5)	CD300LG (2.4)	SLC39A13 (2.3)
SNORD58C (2.6)	ZNF350 (2.6)	PGAP3 (2.5)	CYP2W1 (2.4)	MED1 (2.3)
MPP2 (2.2)	NPEPPS (2.0)	TGM5 (1.9)	PYY (1.9)	B3GNT9 (1.8)
KLHL8 (2.4)	DR1 (2.4)	CPNE2 (2.3)	NCOA5 (2.3)	FEN1 (2.2)
KIAA0895L (2.5)	SPI1 (2.4)	MADD (2.1)	SPG11 (2.0)	GNAO1 (2.0)
ENSG00000247445 (2	CPNE2 (2.2)	DNAH10 (2.2)	ZSCAN29 (2.2)	ZDHHC18 (2.2)
SNX10 (2.5)	GNAO1 (2.4)	CPNE2 (2.2)	C1QTNF4 (2.2)	NEUROD2 (2.1)
KANK2 (1.9)	PACSIN3 (1.9)	ERBB2 (1.8)	ZNF613 (1.8)	PYY (1.8)
CES4A (2.3)	AGBL2 (2.3)	UBR1 (2.3)	HNF1A (2.3)	PTPRZ1 (2.2)
ENSG00000223745 (2	CLPTM1 (2.4)	PIGV (2.3)	CASC4 (2.2)	RAB11B (2.2)
ATG13 (3.4)	HARBI1 (3.2)	GFOD2 (2.9)	RANBP10 (2.9)	ZSCAN29 (2.7)
RAPSN (2.4)	TCAP (2.3)	UBE3B (2.2)	CYP26A1 (2.2)	ARHGAP1 (2.0)
ZNF664 (2.2)	FRMD5 (2.2)	ESRP2 (2.1)	KIAA0754 (1.9)	C11orf49 (1.8)
LCMT2 (2.6)	MPHOSPH9 (2.3)	NUP160 (2.3)	BUD13 (2.2)	EIF3J (2.1)

SMPD3 (2.3)	OR4A1P (2.2)	ENSG00000254235 (2	CCDC11 (2.2)	TMEM101 (2.2)
SLC7A6OS (2.7)	PRMT7 (2.7)	EIF3J (2.7)	SNORD58C (2.7)	C12orf43 (2.6)
DGKG (3.1)	LSM12 (2.9)	HDAC5 (2.7)	GNAO1 (2.7)	MPP3 (2.2)
COQ9 (2.3)	CIAPIN1 (2.1)	TCAP (2.1)	SBNO1 (2.0)	FADS2 (1.9)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (3.0)	C18orf32 (2.2)	PSMB10 (2.1)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (3.0)	C18orf32 (2.2)	PSMB10 (2.1)
GNAO1 (2.7)	TRNP1 (2.6)	SNX10 (2.3)	CPNE2 (2.1)	FADS1 (2.0)
MACF1 (2.7)	UBE2L3 (2.5)	ARHGAP1 (2.5)	SFN (2.3)	FHOD1 (2.3)
GNAO1 (3.5)	RLTPR (3.4)	CCDC92 (2.6)	MPP3 (2.4)	PPIP5K1 (2.3)
DDB2 (3.0)	MTF2 (2.9)	PRMT7 (2.9)	FEN1 (2.8)	PARD6A (2.7)
DDB2 (3.0)	MTF2 (2.9)	PRMT7 (2.9)	FEN1 (2.8)	PARD6A (2.7)
PAFAH1B2 (2.2)	DOK4 (2.2)	SETD8 (2.2)	NEUROD2 (2.1)	MT1E (2.1)
C11orf9 (2.0)	C1orf172 (2.0)	C17orf105 (2.0)	SCARB1 (1.9)	ENSG00000223745 (1
C16orf48 (3.3)	NUP160 (2.9)	SNORD58C (2.9)	CTDSPL2 (2.5)	PRMT7 (2.5)
CYP26A1 (2.5)	ETV5 (2.5)	BCAM (2.4)	ENSG00000229043 (2	KCTD6 (2.1)
ZNF615 (2.1)	ABCB9 (2.1)	BMP8A (2.0)	REEP3 (1.9)	ENSG00000181123 (1
MTF2 (2.8)	ZNF335 (2.7)	ATG13 (2.5)	LSM12 (2.4)	SBNO1 (2.4)
LILRB2 (2.5)	PXK (2.4)	OR4A21P (2.3)	UVRAG (2.2)	DPEP2 (2.1)
ENSG00000223745 (2	FNBP4 (2.4)	CCNDBP1 (2.3)	C7orf50 (2.1)	ZNF259 (2.1)
DOK4 (3.0)	PYY (2.9)	KANK2 (2.8)	SFN (2.5)	RAPSN (2.4)
C16orf86 (2.7)	ENSG00000181296 (2	OGFOD1 (2.3)	BBS2 (2.2)	PXK (2.1)
CTDSPL2 (3.9)	C16orf48 (3.3)	NUP160 (2.9)	PARD6A (2.7)	NUP93 (2.6)
TMED5 (2.4)	GNAO1 (2.0)	TTBK2 (2.0)	LPL (2.0)	GALNT2 (1.9)
MTCH2 (4.1)	TMEM208 (3.0)	PTPMT1 (2.9)	PSMB10 (2.5)	COX19 (2.1)
PACSIN3 (2.2)	IGF2R (2.1)	CLPTM1 (2.0)	CBFB (2.0)	KLF14 (1.9)
RBM6 (2.5)	FAM192A (2.2)	TP53BP1 (2.2)	C16orf48 (2.1)	KCTD6 (2.0)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.9)	COX19 (2.2)	PSMB10 (2.2)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.9)	COX19 (2.2)	PSMB10 (2.2)
MPHOSPH9 (2.4)	ENSG00000236267 (2	ENSG00000181296 (2	BBS2 (2.0)	C16orf48 (2.0)
MACF1 (2.9)	OR4A21P (2.8)	SLC12A4 (2.7)	PDE3A (2.4)	ARHGAP1 (2.1)
MTCH2 (3.6)	PPIP5K1 (2.9)	TMEM208 (2.9)	PSMB10 (2.5)	C18orf32 (2.5)
THAP11 (2.5)	OGFOD1 (2.4)	CDK12 (2.4)	MFAP1 (2.3)	PRMT7 (2.3)
ZNF408 (2.2)	DNAH10 (2.1)	HNF1A (2.1)	KCTD6 (2.0)	PYY (1.8)
DUS2L (3.6)	SLC7A6OS (3.6)	CCDC116 (3.5)	HARBI1 (3.4)	DDX28 (3.3)
RSPO3 (2.6)	KANK2 (2.3)	PTPRZ1 (2.3)	LRP4 (2.0)	PYY (1.9)
PAFAH1B2 (2.7)	NLRC5 (2.4)	TRADD (2.3)	CES4A (2.2)	CYP2W1 (2.0)
TNKS (3.6)	CKAP5 (3.0)	DEPDC1 (2.7)	SETD8 (2.7)	SKA1 (2.5)
ENSG00000223745 (2	ATG13 (2.5)	DYM (2.4)	HSF4 (2.3)	HARBI1 (2.2)
KLF14 (2.0)	TSNAXIP1 (1.9)	ZNF615 (1.9)	RAPSN (1.9)	C11orf9 (1.8)
PITPNM2 (2.2)	LILRB2 (2.0)	CPNE2 (1.9)	CYP26A1 (1.8)	PLTP (1.7)
MYO1H (1.9)	TUBGCP4 (1.8)	C16orf86 (1.8)	MYO5B (1.6)	ENSG00000229043 (1
MYO1H (1.9)	TUBGCP4 (1.8)	C16orf86 (1.8)	MYO5B (1.6)	ENSG00000229043 (1
BUD13 (2.3)	RBM6 (2.3)	LCMT2 (2.1)	UBE2L3 (1.8)	CCNDBP1 (1.7)
KIAA0895L (2.1)	SLC39A13 (2.1)	SETD8 (1.8)	C16orf70 (1.7)	TP53BP1 (1.7)
MIEN1 (2.3)	TMEM208 (2.2)	COX19 (2.2)	CKAP5 (2.2)	KCTD6 (2.2)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.7)	COX19 (2.3)	PSMB10 (2.2)
ZNF615 (2.7)	DPEP3 (2.7)	ZNF613 (2.4)	CATSPER2 (2.3)	BMP8A (2.2)
PSMC3 (3.2)	POLR2C (3.0)	NUTF2 (2.9)	COX19 (2.8)	MTCH2 (2.7)
PPP1R1B (1.9)	NEUROD2 (1.9)	STRC (1.7)	CITED2 (1.6)	ESRP2 (1.6)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (2.8)	COX19 (2.2)	PSMB10 (2.1)

CITED2 (2.1)	HDAC5 (2.1)	PIGV (1.9)	FAM192A (1.9)	NUP160 (1.8)
COX19 (2.8)	ENSG00000255507 (2	ZNF613 (2.5)	C12orf65 (2.4)	AGBL2 (2.3)
ZNF615 (2.0)	ELMO3 (1.9)	CITED2 (1.7)	PNMT (1.7)	SOST (1.6)
MADD (2.5)	MYO5B (2.4)	UBR1 (2.4)	MST1R (2.2)	KANK2 (2.0)
C16orf48 (3.6)	ADAL (3.5)	SKA1 (3.4)	CTDSPL2 (3.3)	BAZ1B (3.0)
DDB2 (3.8)	NUP93 (3.4)	NUP160 (3.3)	CTDSPL2 (3.2)	BAZ1B (3.2)
ENSG00000181123 (2	KCTD10 (2.1)	NUP93 (2.1)	MAP1A (2.0)	PPIP5K1 (1.9)
ENSG00000226334 (2	TRNP1 (2.0)	ZDHHC18 (1.9)	EYA3 (1.9)	GPER (1.9)
DDB2 (3.3)	BAZ1B (3.0)	NUTF2 (3.0)	CENPT (2.9)	MPHOSPH9 (2.8)
PACSIN3 (3.0)	PDE3A (2.7)	PNMT (2.4)	CCDC116 (2.4)	OR5J2 (2.3)
COQ9 (2.5)	PPIP5K1 (2.4)	PDHB (2.3)	OR5L2 (2.2)	PGS1 (2.2)
COQ9 (2.5)	PPIP5K1 (2.4)	PDHB (2.3)	OR5L2 (2.2)	PGS1 (2.2)
EIF3J (3.0)	SLC7A6OS (2.9)	C7orf50 (2.7)	DDX28 (2.7)	GPN2 (2.6)
EIF3J (3.0)	SLC7A6OS (2.9)	C7orf50 (2.7)	DDX28 (2.7)	GPN2 (2.6)
C12orf65 (3.0)	MTCH2 (3.0)	PAFAH1B2 (2.9)	CKAP5 (2.9)	C11orf49 (2.8)
EIF3J (2.2)	C12orf43 (2.0)	FNBP4 (1.9)	ENSG00000226334 (1	DDX28 (1.9)
CYP26A1 (2.4)	OR5I1 (2.4)	PNMT (2.4)	MED1 (2.4)	TNKS (2.3)
ABCB9 (2.4)	PPP1R1B (2.4)	C11orf49 (2.3)	SLC7A6OS (2.1)	SPG11 (2.1)
CELSR2 (2.6)	GLUL (2.6)	TBKBP1 (2.1)	MPP2 (2.0)	CX3CL1 (2.0)
TRNP1 (2.4)	NEUROD2 (2.4)	SNX10 (2.3)	MADD (2.1)	CPNE2 (2.1)
PRMT7 (2.9)	DDX28 (2.8)	SNORD58C (2.7)	C12orf43 (2.7)	NUP160 (2.6)
C1orf172 (2.2)	SFN (2.1)	KIAA0754 (1.9)	PLTP (1.8)	BCAM (1.8)
MED1 (2.5)	SPRYD5 (2.4)	CCNDBP1 (2.4)	KLHL8 (2.2)	MIEN1 (2.2)
PACSIN3 (3.9)	MYO5B (3.6)	TAGLN (3.3)	GRB7 (3.2)	BCAM (3.2)
OR5L2 (2.7)	PDE3A (2.3)	ENSG00000223745 (2	DPEP3 (1.7)	C17orf57 (1.7)
ENSG00000226334 (2	MYBPC3 (2.6)	BMP8A (2.4)	HDAC5 (2.3)	PGAP3 (2.1)
SLC7A6OS (2.9)	GFOD2 (2.9)	MT1F (2.7)	CELSR2 (2.6)	SPRYD5 (2.4)
MYO1H (2.4)	ENSG00000255507 (2	MYO5B (2.3)	ENSG00000181123 (2	RNF214 (2.1)
MACF1 (2.7)	OGFOD1 (2.7)	UBE2L3 (2.4)	SLC7A6 (2.2)	FAM192A (2.2)
MAP1A (2.8)	MED1 (2.6)	ABCA8 (2.3)	PNMT (2.3)	MIEN1 (2.2)
MTCH2 (4.2)	PTPMT1 (3.1)	TMEM208 (3.0)	PPIP5K1 (2.6)	C18orf32 (2.3)
PCSK7 (2.2)	CASC4 (2.2)	YDJC (2.1)	ENSG00000223745 (2	EPB42 (2.0)
C11orf9 (2.3)	SLC12A4 (2.2)	TRPS1 (2.1)	FZD9 (1.9)	TBL2 (1.8)
SLC12A3 (2.8)	GPIHBP1 (2.6)	PYY (2.6)	GNAO1 (2.6)	BCAM (2.4)
PITPNM2 (2.9)	CX3CL1 (2.7)	RLTPR (2.5)	GNAO1 (2.4)	CSGALNACT1 (2.3)
PARD6A (2.3)	ACD (2.3)	ENSG00000223745 (2	DPEP2 (2.2)	MON1A (2.1)
PGS1 (2.2)	ZNF614 (1.9)	COX19 (1.8)	ENSG00000247867 (1	FNBP4 (1.4)
FNBP4 (2.0)	ENSG00000226334 (1	C12orf43 (1.7)	KPNB1 (1.6)	ARFGAP2 (1.5)
SPG11 (2.2)	MPP3 (2.1)	C18orf32 (1.9)	EYA3 (1.9)	PGS1 (1.9)
GPN2 (3.2)	SLC7A6OS (3.1)	C7orf50 (3.1)	MFAP1 (3.0)	ZNF408 (3.0)
DNAH10 (3.0)	ZSCAN29 (2.2)	ENSG00000181296 (2	CCDC116 (1.9)	PYY (1.8)
FNBP4 (2.3)	C12orf43 (2.3)	C11orf49 (2.3)	ARFGAP2 (2.1)	ENSG00000255507 (2
RSPO3 (2.9)	PPP1R1B (2.9)	PYY (2.6)	DOK4 (2.0)	IGF2R (1.8)
TMEM101 (2.8)	THAP11 (2.5)	KLHL8 (2.4)	SLC7A6OS (2.4)	INTS10 (2.3)
KIAA0895L (2.5)	KBTBD4 (1.9)	DGKG (1.9)	ABHD6 (1.8)	SOST (1.8)
C11orf9 (2.4)	DOK4 (2.3)	SLC7A6 (2.3)	PDE3A (2.2)	NR0B2 (2.2)
GNAO1 (3.0)	C11orf49 (2.9)	NEUROD2 (2.6)	CCDC92 (2.5)	RLTPR (2.4)
PVRL2 (4.7)	GRB7 (4.0)	TAGLN (4.0)	ELMO3 (3.9)	ERBB2 (3.5)
MTCH2 (4.2)	TMEM208 (3.4)	PSMB10 (3.0)	PTPMT1 (2.7)	C18orf32 (2.6)
POLR2C (2.1)	PRMT7 (2.1)	NUTF2 (2.0)	C11orf49 (2.0)	KPNB1 (2.0)

CX3CL1 (2.7)	TBL2 (2.6)	DGKG (2.3)	GNAO1 (2.3)	ABCB9 (2.1)
HDAC5 (2.6)	DR1 (2.5)	DUSP3 (2.4)	TRNP1 (2.3)	UVRAG (2.0)
MPP2 (2.4)	YDJC (2.4)	MYO5B (2.2)	ENSG00000223745 (2	COBLL1 (1.9)
CYP26A1 (2.3)	RNF214 (2.2)	ENSG00000229043 (2	PVRL2 (1.8)	LRP4 (1.7)
PXK (2.1)	RBM6 (2.1)	PSMC3 (2.1)	PVRL2 (2.1)	KCTD10 (2.0)
DOK4 (2.3)	SCARB1 (2.3)	YDJC (2.3)	PNMT (2.2)	GPER (2.0)
TGM7 (2.4)	KIAA0895L (2.2)	NRBF2 (2.0)	TBL2 (2.0)	KCTD19 (1.9)
C16orf86 (3.8)	MTCH2 (2.9)	NDUFS3 (2.7)	CIAPIN1 (2.3)	PPIP5K1 (2.2)
NOL3 (2.1)	KCTD6 (2.1)	AFF1 (1.9)	NFATC3 (1.5)	PPY (1.4)
FZD9 (2.5)	ENSG00000254235 (2	PYY (2.3)	C11orf49 (2.1)	PPP1R1B (1.9)
DOK4 (2.8)	C1QTNF4 (2.6)	LCAT (2.5)	PPP1R1B (2.3)	TRPS1 (2.2)
COBLL1 (1.9)	CYP2W1 (1.8)	BAZ1B (1.7)	TRNP1 (1.7)	CSGALNACT1 (1.7)
C7orf50 (2.0)	COX19 (1.8)	ZNF614 (1.7)	ZDHHC18 (1.5)	EXOC3L1 (1.5)
PITPNM2 (2.6)	HDAC5 (1.9)	FHOD1 (1.8)	MON1A (1.8)	SLC9A5 (1.7)
SKA1 (3.5)	CENPT (3.4)	DEPDC1 (3.4)	WDR76 (2.6)	RBM5 (2.5)
LILRB2 (2.5)	CCL22 (2.4)	NLRC5 (2.3)	PITPNM2 (2.0)	CD40 (2.0)
MPP2 (2.2)	PITPNM2 (2.2)	MPP3 (2.1)	ENSG00000182109 (2	LILRB2 (1.9)
UVRAG (2.6)	DUSP3 (2.6)	ACD (2.4)	RSPRY1 (2.3)	GPIHBP1 (2.2)
DOK4 (3.1)	PACSIN3 (2.4)	DOCK6 (2.3)	DUSP3 (2.2)	UBE2L3 (2.1)
KANK2 (2.7)	PPIP5K1 (2.4)	CITED2 (2.4)	PDIA3 (2.3)	PTPRJ (2.3)
LILRB2 (2.7)	ENSG00000256746 (2	KCTD19 (2.5)	FPR3 (2.0)	TGM5 (1.9)
TCAP (3.6)	TP53BP1 (3.2)	CKAP5 (3.2)	MACF1 (3.1)	DEPDC1 (2.9)
RLTPR (2.5)	PPP1R1B (2.5)	MPP2 (2.2)	KCTD19 (2.1)	SLC9A5 (2.1)
OR5I1 (2.0)	CSGALNACT1 (2.0)	CCDC116 (1.7)	EPB42 (1.7)	ABCA8 (1.7)
RLTPR (3.4)	DGKG (3.0)	MAP1A (2.6)	TRNP1 (2.5)	PITPNM2 (2.4)
ENSG00000229043 (2	C16orf70 (2.5)	PSMC3 (2.4)	NFATC3 (2.3)	RANBP10 (2.3)
KCTD6 (2.7)	OR5I1 (2.3)	RSPO3 (2.1)	AMFR (1.7)	LCMT2 (1.7)
RBM5 (2.6)	ZNF335 (2.2)	KLHL8 (2.2)	SBNO1 (2.1)	NFATC3 (2.0)
MED1 (2.4)	BUD13 (2.4)	ZNF259 (2.3)	RBM6 (2.3)	LCMT2 (2.3)
MED1 (2.4)	BUD13 (2.4)	ZNF259 (2.3)	RBM6 (2.3)	LCMT2 (2.3)
BACE1 (2.3)	TGM5 (2.2)	ENSG00000179523 (2	STRC (1.8)	LRRC29 (1.8)
PXK (3.0)	ENSG00000247867 (2	CATSPER2 (2.6)	ZNF613 (2.6)	PPIP5K1 (2.2)
ARFGAP2 (2.8)	PAFAH1B2 (2.6)	CD36 (2.4)	NUDT21 (2.2)	PSMC3 (2.1)
C16orf48 (2.7)	ENSG00000182109 (2	C7orf50 (2.4)	OR5L2 (2.2)	KLHL8 (2.1)
SMPD3 (3.4)	PTPRZ1 (3.3)	TRPS1 (2.5)	SPRYD5 (2.1)	MT1M (2.0)
SLC7A6OS (2.8)	C12orf43 (2.7)	EIF3J (2.4)	SNORD58C (2.3)	C7orf50 (2.2)
RNF214 (2.4)	TNKS (2.4)	ENSG00000229043 (2	CYP26A1 (2.2)	ENSG00000181296 (1
PRMT7 (2.7)	DDX28 (2.7)	NUP160 (2.5)	C7orf50 (2.4)	YDJC (2.2)
C18orf32 (2.3)	NUP93 (2.3)	CKAP5 (2.2)	EDC4 (2.2)	C11orf49 (2.1)
KIAA0754 (3.2)	KCTD10 (2.6)	CCDC92 (2.3)	TCAP (2.3)	ARHGAP1 (2.2)
DOK4 (2.9)	KCTD10 (2.7)	HSF4 (2.5)	SLC39A13 (2.4)	SFN (2.4)
DNAH10 (2.4)	TSNAXIP1 (2.1)	GLUL (2.0)	UBE2L3 (1.9)	NAGS (1.9)
PITPNM2 (2.4)	MPP2 (2.3)	CCDC116 (2.1)	PPP1R1B (2.1)	ZNF613 (2.0)
DUSP3 (1.7)	KANK2 (1.6)	FRMD5 (1.5)	MPP2 (1.5)	SLC12A4 (1.5)
CENPT (3.4)	DEPDC1 (3.4)	SKA1 (3.3)	SETD8 (3.3)	WDR76 (2.5)
C17orf105 (2.9)	CCDC11 (2.8)	AGBL2 (2.7)	TTBK2 (2.6)	PLA2G6 (2.3)
C12orf43 (2.5)	NUP160 (2.5)	FNBP4 (2.3)	TOMM40 (2.3)	PRMT7 (2.2)
RSPO3 (2.1)	CYP26A1 (2.1)	TMEM101 (2.0)	ETV5 (2.0)	SLC7A6 (2.0)
PTPRZ1 (2.9)	GNAO1 (2.7)	CATSPER2 (2.1)	SLC12A3 (2.0)	DGKG (1.9)
PDIA3 (2.0)	ABCB9 (1.9)	ARFGAP2 (1.8)	RBM5 (1.8)	MPP2 (1.8)

PPY (2.1)	GPIHBP1 (2.1)	ST3GAL4 (2.0)	GPR146 (2.0)	KLF14 (1.9)
PPY (2.1)	GPIHBP1 (2.1)	ST3GAL4 (2.0)	GPR146 (2.0)	KLF14 (1.9)
C16orf48 (3.2)	INTS10 (3.1)	PPIP5K1 (3.1)	BBS2 (2.6)	KIAA0895L (2.5)
DUS2L (2.2)	INTS10 (2.1)	KPNB1 (2.1)	TOMM40 (2.0)	PRMT7 (2.0)
CX3CL1 (2.1)	LSM12 (2.1)	RBM5 (2.0)	DOK4 (2.0)	ABHD6 (2.0)
EIF3J (3.1)	PRMT7 (3.0)	TOMM40 (2.7)	C7orf50 (2.6)	GPN2 (2.4)
ZNF259 (2.5)	E2F4 (2.4)	SPRYD5 (2.2)	C12orf65 (2.1)	YDJC (2.0)
MPP3 (2.7)	MYO5B (2.7)	GNAO1 (2.7)	MAP1A (2.6)	PPIP5K1 (2.5)
PSMC3 (2.9)	COX19 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	TMEM208 (2.6)
FBXL20 (2.9)	UBR1 (2.7)	RBM5 (2.7)	ABCA1 (2.7)	NRBF2 (2.6)
MTCH2 (3.6)	CIAPIN1 (3.0)	PSMB10 (2.7)	COX19 (2.5)	TMEM208 (2.4)
PTPRJ (3.0)	MPP2 (2.8)	GNAO1 (2.7)	CELF1 (2.4)	ENSG00000223745 (2
CKAP5 (3.1)	SKA1 (2.9)	MYO1H (2.7)	CENPT (2.4)	DNAH10 (2.4)
SMPD3 (2.0)	ENSG00000181123 (2	DNAH10 (1.9)	MPP2 (1.9)	CMIP (1.8)
PCSK7 (2.6)	RLTPR (2.5)	PITPNM2 (2.2)	NFATC3 (2.1)	TGM5 (2.0)
REEP3 (2.7)	AMFR (2.7)	CES4A (2.7)	BMP8A (2.4)	PGAP3 (2.2)
GNAO1 (2.2)	RLTPR (2.1)	MT1G (2.0)	SPRYD5 (2.0)	PTPRZ1 (2.0)
BUD13 (2.1)	CENPT (1.9)	ADAL (1.7)	NUP160 (1.6)	ENSG00000256746 (1
BUD13 (2.1)	CENPT (1.9)	ADAL (1.7)	NUP160 (1.6)	ENSG00000256746 (1
BUD13 (2.1)	CENPT (1.9)	ADAL (1.7)	NUP160 (1.6)	ENSG00000256746 (1
PDE3A (2.6)	SOST (2.5)	SLC12A4 (2.5)	ABCB9 (2.3)	MACF1 (2.3)
PDHB (2.5)	PGAP3 (2.3)	ENSG00000182109 (2	G6PC3 (2.3)	ARHGAP1 (2.1)
FADS1 (2.1)	RAPSN (2.0)	HNF4A (2.0)	C16orf86 (2.0)	MVK (1.9)
MPP2 (2.5)	CCDC116 (2.3)	GPIHBP1 (2.3)	SLC9A5 (2.1)	CD300LG (1.9)
ENSG00000226334 (2	ENSG00000179523 (2	LRP4 (2.4)	RAPSN (2.4)	CITED2 (2.4)
PVRL2 (2.5)	MYO5B (2.4)	LRP4 (2.3)	C11orf49 (2.2)	VEGFA (2.1)
OR5J2 (2.5)	NPEPPS (2.2)	C11orf49 (2.1)	KIAA0754 (2.0)	TNKS (1.9)
MPP2 (2.4)	CX3CL1 (2.4)	HSF4 (2.2)	C1QTNF4 (2.1)	TMEM175 (2.1)
DDB2 (3.3)	BAZ1B (3.0)	CENPT (3.0)	NUTF2 (2.8)	MPHOSPH9 (2.7)
ENSG00000236267 (1	CES4A (1.9)	ENSG00000247867 (1	ABCB9 (1.7)	C1QTNF4 (1.6)
COX19 (2.2)	EIF3J (2.2)	ADAL (2.0)	UBE2L3 (2.0)	MBD1 (1.9)
FRMD5 (2.6)	ARHGAP1 (2.1)	KLF14 (1.9)	OR5J2 (1.8)	TMEM175 (1.8)
COX19 (2.1)	ACAA2 (2.0)	NFATC3 (2.0)	RLTPR (1.9)	ZNF664 (1.9)
MADD (2.3)	NEUROD2 (1.9)	TTC39B (1.9)	CCDC92 (1.9)	ENSG00000182109 (1
SLC9A5 (2.6)	PYY (2.5)	EXOC3L1 (2.4)	ENSG00000247445 (2	DUSP3 (2.2)
NEUROD2 (2.5)	GNAO1 (2.4)	SNX10 (2.3)	CPNE2 (2.2)	MADD (2.1)
RBM6 (3.0)	GPN2 (2.8)	TOMM40 (2.5)	SBNO1 (2.2)	EYA3 (2.0)
KCTD10 (2.8)	EXOC3L1 (2.5)	DOCK6 (2.5)	SFN (2.3)	SLC12A4 (2.3)
PTPRJ (2.1)	SPG11 (1.9)	C16orf86 (1.9)	ZDHHC18 (1.8)	TTC39B (1.7)
PSMB10 (3.0)	ENSG00000255507 (2	MST1R (2.4)	UVRAG (2.3)	ZNF350 (2.3)
SFN (2.0)	KIAA0754 (2.0)	BCAM (1.9)	C1orf172 (1.8)	ENSG00000182109 (1
HNF4A (2.5)	C1QTNF4 (2.1)	MT1H (2.1)	NEUROD2 (2.0)	RLTPR (1.9)
ENSG00000226334 (2	ENSG00000254235 (2	PITPNM2 (2.1)	ENSG00000223745 (2	ENSG00000236267 (2
TTBK2 (2.4)	SLC9A5 (2.4)	DGKG (2.3)	NEUROD2 (2.2)	C1QTNF4 (2.0)
TAGLN (2.8)	ARHGAP1 (2.1)	CES4A (1.8)	DGKG (1.8)	ENSG00000255507 (1
CITED2 (2.4)	ZFAND2A (2.3)	C11orf49 (2.3)	FAM192A (2.2)	TRIB1 (2.2)
TGM7 (2.5)	SLC7A6 (2.4)	UVRAG (2.3)	KANK2 (2.2)	MACF1 (2.1)
TOMM40 (2.9)	NUP93 (2.9)	ACD (2.7)	EIF3J (2.6)	FNBP4 (2.4)
AFF1 (2.4)	PARD6A (2.3)	SNX13 (2.3)	NRBF2 (2.1)	UVRAG (2.0)
MTCH2 (3.0)	TOMM40 (2.8)	MED1 (2.6)	MFAP1 (2.6)	ARFGAP2 (2.6)

PAFAH1B2 (2.5)	KCTD6 (2.4)	DR1 (2.2)	INTS10 (2.1)	TTBK2 (2.1)
YDJC (2.1)	ENSG00000182109 (2	NUTF2 (2.0)	C1QTNF4 (1.9)	ENSG00000223745 (1
DOK4 (3.1)	MACF1 (2.9)	MST1R (2.6)	SFN (2.6)	SLC12A4 (2.4)
UBE2L3 (2.5)	KCTD6 (2.2)	BUD13 (2.1)	RBM6 (2.0)	GFOD2 (1.9)
NPEPPS (3.0)	TUBGCP4 (2.6)	BAZ1B (2.4)	NUDT21 (2.3)	MADD (2.2)
PGAP3 (2.5)	GNAO1 (2.4)	RSPO3 (2.4)	MPP3 (2.4)	DOK4 (2.3)
SLC9A5 (2.7)	SPG11 (2.7)	MAP1A (2.5)	LCAT (2.5)	JMJD1C (2.3)
KCTD10 (2.4)	UVRAG (2.1)	ZNF615 (2.1)	TP53BP1 (1.9)	DUS2L (1.8)
DOCK6 (3.0)	KCTD10 (2.7)	EXOC3L1 (2.6)	PPIP5K1 (2.5)	DOK4 (2.4)
C18orf32 (2.1)	C1QTNF4 (2.0)	ABCB9 (2.0)	KIAA0895L (2.0)	SLC9A5 (2.0)
MT1E (2.7)	LILRB2 (2.4)	AGBL2 (2.1)	NOL3 (2.1)	ENSG00000182109 (2
GNAO1 (2.8)	RBM5 (2.7)	MYO5B (2.7)	SLC9A5 (2.6)	RLTPR (2.5)
NFATC3 (2.7)	CD40 (2.6)	BCL3 (2.4)	UVRAG (2.3)	PITPNM2 (2.0)
C16orf86 (1.9)	TMEM62 (1.8)	ABHD6 (1.8)	MT1M (1.8)	MT1F (1.8)
OASL (3.8)	BACE1 (2.9)	CELSR2 (2.0)	C17orf105 (2.0)	SIK3 (2.0)
TECTB (2.3)	PLA2G6 (2.2)	OR4A21P (2.1)	C12orf65 (2.1)	ENSG00000181296 (2
ENSG00000181296 (2	PNMT (2.2)	PDE3A (2.0)	G6PC3 (1.8)	RLTPR (1.7)
ENSG00000181296 (2	PNMT (2.2)	PDE3A (2.0)	G6PC3 (1.8)	RLTPR (1.7)
ENSG00000181296 (2	PNMT (2.2)	PDE3A (2.0)	G6PC3 (1.8)	RLTPR (1.7)
ZNF350 (2.1)	PTPRJ (2.0)	FADS2 (1.9)	DOK4 (1.8)	DPEP3 (1.8)
PDHB (2.2)	ACAA2 (2.1)	MYO1H (2.0)	ABHD6 (1.9)	COQ9 (1.9)
OR5J2 (2.0)	GPER (2.0)	CMIP (2.0)	CATSPER2 (1.9)	BACE1 (1.9)
TRNP1 (2.7)	KCTD10 (2.5)	DOK4 (2.4)	MACF1 (2.4)	ARHGAP1 (2.3)
ADAL (2.3)	RLTPR (2.3)	NFATC3 (2.3)	ACP2 (2.1)	NLRC5 (2.0)
SETD8 (2.4)	RSPRY1 (2.3)	CENPT (2.3)	ZNF615 (2.1)	MFAP1 (2.1)
MIEN1 (2.2)	LRRC29 (2.2)	CDK12 (2.2)	KBTBD4 (2.1)	YDJC (2.1)
SPG11 (1.8)	MTMR3 (1.7)	MT1M (1.7)	SOST (1.7)	MACF1 (1.6)
CIAPIN1 (3.1)	TMEM208 (2.8)	FAM192A (2.1)	MTCH2 (2.0)	C18orf32 (1.8)
OGFOD1 (2.5)	PSMB10 (2.2)	MFAP1 (1.9)	KLF14 (1.9)	PTPRJ (1.9)
ENSG00000256746 (2	DEPDC1 (2.2)	CCDC18 (2.2)	KCTD19 (2.1)	OR5I1 (1.9)
TRNP1 (2.3)	CTDSPL2 (2.2)	DR1 (2.2)	CMIP (2.2)	LSM12 (2.1)
DPEP3 (2.6)	ENSG00000181296 (2	STRC (2.4)	FNBP4 (2.4)	HDAC5 (2.2)
REEP3 (2.6)	PYY (2.5)	C12orf65 (2.4)	KCTD19 (2.4)	XKR8 (2.0)
PDE3A (2.2)	MADD (2.2)	BACE1 (2.1)	TBKBP1 (2.0)	DUSP3 (2.0)
MED1 (2.5)	NCOA5 (2.4)	ZNF259 (2.4)	RBM6 (2.3)	LCMT2 (2.3)
TOMM40 (3.1)	EIF3J (3.0)	ZNF259 (2.8)	KCTD10 (2.5)	GPN2 (2.3)
SBNO1 (2.6)	KPNB1 (2.1)	REEP3 (2.0)	UBE3B (1.9)	ZNF259 (1.9)
CENPT (2.6)	CKAP5 (2.5)	OR5J2 (2.4)	MPHOSPH9 (2.4)	RBM5 (2.4)
CENPT (2.6)	CKAP5 (2.5)	OR5J2 (2.4)	MPHOSPH9 (2.4)	RBM5 (2.4)
E2F4 (2.9)	CELF1 (2.9)	FNBP4 (2.9)	TP53BP1 (2.7)	SLC9A5 (2.6)
TOMM40 (2.4)	BCL7B (2.3)	SLC7A6OS (2.2)	SNORD58C (2.1)	C7orf50 (2.1)
SIK3 (2.5)	TTC39B (2.4)	TBKBP1 (2.4)	RLTPR (2.4)	CYP2W1 (1.9)
PARD6A (3.8)	MFAP1 (3.4)	TUBGCP4 (3.4)	FAM192A (3.3)	ACD (3.3)
PLA2G6 (2.3)	GPIHBP1 (2.2)	ENSG00000236267 (2	PLEKHG4 (2.1)	TTBK2 (1.9)
ENSG00000255507 (2	EXOC3L1 (2.3)	UVRAG (2.0)	NFATC3 (2.0)	MTMR3 (1.8)
PRMT7 (2.6)	TUBGCP4 (2.2)	PDE3A (2.0)	C16orf48 (2.0)	WDR76 (2.0)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (2.9)	PSMB10 (2.3)	COX19 (2.2)
PARD6A (2.9)	PAFAH1B2 (2.8)	FAM192A (2.7)	MPP2 (2.6)	POLR2C (2.6)
ENSG00000256746 (2	DPEP2 (2.8)	FPR3 (2.6)	LILRB2 (2.4)	CCDC11 (2.4)
FAM192A (2.6)	TMEM208 (2.6)	WDR76 (2.6)	POLR2C (2.5)	C16orf48 (2.5)

PGAP3 (2.1)	GRB7 (2.1)	BCAM (2.1)	KLHL8 (2.0)	MT1M (1.9)
DDB2 (3.2)	MPHOSPH9 (3.0)	OASL (3.0)	ACD (3.0)	SKA1 (2.9)
KCTD6 (2.4)	ABHD6 (2.3)	SNORD58C (2.2)	MON1A (2.1)	LRRC29 (2.1)
RLTPR (2.5)	GNAO1 (2.3)	MYO5B (2.2)	C11orf49 (2.2)	MADD (2.0)
KIAA0754 (2.3)	BBS2 (2.3)	LILRA3 (2.1)	DUS2L (2.0)	C17orf57 (2.0)
ABHD6 (2.5)	ABCB9 (2.2)	PLEKHG4 (2.2)	SLC12A4 (1.9)	SLC7A6OS (1.9)
ENSG00000182109 (2	CETP (2.2)	TMEM101 (2.1)	COQ9 (2.0)	REEP3 (2.0)
CTDSPL2 (4.6)	NUP160 (3.8)	C16orf48 (3.7)	ACD (3.2)	BAZ1B (3.0)
SLC39A13 (2.1)	TRADD (2.1)	DPEP3 (2.0)	PAFAH1B2 (1.9)	KANK2 (1.8)
APOE (2.5)	PLTP (2.4)	MPP3 (2.4)	LCAT (2.3)	TTBK2 (2.3)
SKA1 (3.7)	CKAP5 (3.6)	CENPT (3.6)	WDR76 (2.2)	CTDSPL2 (2.0)
ST3GAL4 (2.1)	PPY (2.1)	GPR146 (2.1)	ENSG00000256746 (1	GPIHBP1 (1.9)
AMBRA1 (2.6)	PAFAH1B2 (2.6)	COX19 (2.5)	DPEP3 (2.4)	SBNO1 (2.3)
CKAP5 (2.5)	ZNF335 (2.5)	BUD13 (2.4)	KPNB1 (2.3)	GPN2 (2.2)
ENSG00000226334 (1	HARBI1 (1.8)	DGAT2 (1.8)	CCL22 (1.7)	COBLL1 (1.7)
TBKBP1 (2.4)	KIAA0895L (2.0)	ENSG00000236267 (1	GPIHBP1 (1.9)	GRB7 (1.8)
ENSG00000247867 (2	MIEN1 (1.8)	NDUFS3 (1.6)	TMEM208 (1.6)	KLHL8 (1.5)
GPN2 (2.4)	ZNF408 (2.3)	SBNO1 (2.3)	CATSPER2 (2.1)	CDK12 (2.0)
CTRL (3.4)	PDE3A (2.5)	BMP8A (2.1)	CPS1 (2.1)	CYP2W1 (2.0)
PCIF1 (2.8)	DCPS (2.8)	NUP160 (2.7)	LCMT2 (2.7)	ZNF259 (2.4)
C16orf48 (4.4)	DDB2 (4.2)	NUP160 (4.1)	ACD (3.5)	BAZ1B (3.5)
C16orf48 (4.4)	DDB2 (4.2)	NUP160 (4.1)	ACD (3.5)	BAZ1B (3.5)
C16orf48 (4.4)	DDB2 (4.2)	NUP160 (4.1)	ACD (3.5)	BAZ1B (3.5)
HSF4 (2.3)	ZNF664 (2.2)	MAP1A (2.2)	RAB11B (2.2)	ZNF615 (1.9)
SCARB1 (2.0)	KLF14 (2.0)	ENSG00000256746 (1	NR0B2 (1.8)	C17orf105 (1.7)
PSKH1 (2.9)	LIPG (2.8)	ACP2 (2.6)	PLA2G15 (2.5)	PIGV (2.2)
CENPT (2.7)	CCDC18 (2.5)	SETD8 (2.5)	NUTF2 (2.3)	BAZ1B (2.3)
KANK2 (3.2)	SNORD58C (3.1)	TCAP (2.7)	PDIA3 (2.6)	PSMC3 (2.6)
OR5I1 (2.7)	OR4A21P (2.4)	ZNF613 (2.3)	TECTB (2.2)	OR5J2 (2.1)
NDUFS3 (2.0)	TSNAXIP1 (1.9)	LCMT2 (1.9)	GALNT2 (1.9)	PPIP5K1 (1.8)
KLF14 (2.6)	OR5I1 (2.2)	PITPNM2 (2.1)	CX3CL1 (2.0)	MAP1A (1.9)
SLC12A4 (2.0)	CSGALNACT1 (1.9)	G6PC3 (1.8)	B3GNT9 (1.8)	ABCA8 (1.7)
ENSG00000255507 (3	FPR3 (3.0)	UVRAG (2.5)	ZNF350 (2.5)	OR4A21P (2.1)
WDR76 (2.0)	DCPS (2.0)	NUTF2 (2.0)	TUBGCP4 (2.0)	EIF3J (1.9)
MON1A (2.5)	ZFAND2A (2.2)	DYM (2.2)	ATG13 (2.1)	NRBF2 (2.0)
TECTB (2.2)	ENSG00000229043 (2	EXOC3L1 (2.1)	CELSR2 (2.0)	C12orf65 (1.9)
BAZ1B (2.7)	FHOD1 (2.6)	MTF2 (2.4)	CTDSPL2 (2.4)	FBXL20 (2.3)
SLC9A5 (2.5)	PPY (2.5)	MYO1H (2.5)	BAZ1B (2.4)	DGKG (2.1)
MPP3 (2.3)	PNMT (2.1)	GFOD2 (2.1)	OR4A21P (2.0)	ABHD6 (1.9)
MPP3 (2.3)	PNMT (2.1)	GFOD2 (2.1)	OR4A21P (2.0)	ABHD6 (1.9)
CPNE2 (2.5)	SLC9A5 (2.4)	SMPD3 (2.4)	ENSG00000181123 (2	KIAA0895L (2.3)
GPER (2.4)	TRADD (2.3)	C17orf105 (2.2)	TMEM62 (2.0)	OR4A21P (2.0)
C16orf48 (3.7)	DNAH10 (3.6)	C11orf49 (3.1)	ENSG00000181123 (2	BBS2 (2.4)
MACF1 (3.0)	TRNP1 (2.8)	TAGLN (2.8)	DOK4 (2.5)	ENSG00000255507 (2
KANK2 (2.3)	RSPO3 (2.2)	ADAL (2.1)	C1QTNF4 (1.9)	SLC12A3 (1.9)
MIEN1 (2.6)	ZNF664 (2.3)	DYM (2.2)	C18orf32 (2.1)	EYA3 (2.0)
HSF4 (3.0)	MPP3 (3.0)	TRNP1 (2.5)	TBKBP1 (2.5)	RLTPR (2.5)
SPRYD5 (2.4)	ENSG00000182109 (2	CCDC11 (2.0)	ENSG00000229043 (2	SLC39A13 (1.9)
TRNP1 (2.6)	MYO5B (2.5)	C18orf32 (2.2)	CCDC92 (2.1)	GNAO1 (2.1)
TCAP (3.3)	RAPSN (2.9)	KIAA0754 (2.9)	TRNP1 (2.8)	PACSIN3 (2.7)

TBKBP1 (1.9)	MACF1 (1.8)	LRP4 (1.8)	TRPS1 (1.8)	PPP1R1B (1.7)
PTPRZ1 (2.6)	MST1R (2.6)	SFN (2.5)	GRB7 (2.4)	SLC9A5 (2.4)
CATSPER2 (1.9)	SMPD3 (1.9)	TMED5 (1.8)	REEP3 (1.8)	ELMO3 (1.7)
MAP1A (2.7)	MPP2 (2.4)	BACE1 (2.2)	PPP1R1B (2.1)	PYY (2.1)
MPP2 (3.0)	CCDC92 (3.0)	C1QTNF4 (2.7)	DGKG (2.6)	PPP1R1B (2.4)
DOCK6 (3.5)	MYO1H (3.1)	DUSP3 (2.7)	UBE2L3 (2.7)	CCDC92 (2.7)
MACF1 (3.2)	PITPNM2 (3.0)	KCTD10 (2.6)	TCAP (2.3)	ARHGAP1 (2.2)
PRMT7 (2.5)	OGFOD1 (2.4)	ZNF259 (2.3)	SLC7A6OS (2.0)	DDX28 (2.0)
XKR8 (2.9)	EYA3 (2.9)	KBTBD4 (2.6)	OR5L2 (2.5)	SNORD58C (2.4)
XKR8 (2.9)	EYA3 (2.9)	KBTBD4 (2.6)	OR5L2 (2.5)	SNORD58C (2.4)
MT1G (3.2)	MYBPC3 (3.0)	DOK4 (2.9)	MPP2 (2.7)	MT1X (2.6)
TCAP (2.7)	CELF1 (2.5)	MT1F (2.5)	CX3CL1 (2.5)	MT1X (2.3)
DOK4 (3.0)	DCPS (2.8)	ST3GAL4 (2.6)	KIAA0895L (2.5)	PSKH1 (2.4)
SNORD58C (2.1)	ARFGAP2 (1.8)	ENSG00000226334 (1	KPNB1 (1.7)	THAP11 (1.7)
MTCH2 (3.9)	PTPMT1 (3.0)	TMEM208 (2.7)	COX19 (2.4)	MIEN1 (2.1)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.7)	COX19 (2.4)	C18orf32 (2.1)
MT1G (2.3)	MT1M (2.1)	C17orf57 (1.9)	TMEM175 (1.9)	SIK3 (1.9)
NOL3 (2.4)	NEUROD2 (2.2)	JMJD1C (2.2)	CYP26A1 (2.0)	C16orf70 (2.0)
CPNE2 (2.4)	PYY (2.1)	ZNF615 (2.1)	ENSG00000254235 (2	C12orf65 (2.0)
CCDC11 (2.4)	ARHGAP1 (2.2)	MACF1 (2.1)	PXK (2.1)	JMJD1C (2.1)
TBL2 (1.7)	G6PC3 (1.6)	TRNP1 (1.6)	C11orf9 (1.6)	CPS1 (1.6)
SPRYD5 (2.7)	YDJC (2.6)	ENSG00000256746 (2	MIEN1 (2.5)	MON1A (2.5)
SPRYD5 (2.7)	YDJC (2.6)	ENSG00000256746 (2	MIEN1 (2.5)	MON1A (2.5)
GNAO1 (2.7)	PTPRZ1 (2.7)	MPP2 (2.6)	CELSR2 (2.5)	RLTPR (2.5)
BAZ1B (2.2)	LCMT2 (1.9)	KPNB1 (1.9)	NUP160 (1.9)	PSMC3 (1.7)
BAZ1B (2.2)	LCMT2 (1.9)	KPNB1 (1.9)	NUP160 (1.9)	PSMC3 (1.7)
BAZ1B (2.2)	LCMT2 (1.9)	KPNB1 (1.9)	NUP160 (1.9)	PSMC3 (1.7)
BAZ1B (2.2)	LCMT2 (1.9)	KPNB1 (1.9)	NUP160 (1.9)	PSMC3 (1.7)
SLC12A3 (2.4)	SOST (2.3)	PGAP3 (2.2)	ERBB2 (2.2)	HCAR1 (2.2)
MT1E (2.2)	MAP1A (2.1)	MT1G (2.1)	MT1M (2.0)	DPEP3 (1.9)
TRADD (2.3)	CENPT (2.1)	FHOD1 (2.0)	GPN2 (1.9)	MLXIPL (1.9)
ENSG00000223745 (2	PRMT7 (2.2)	C7orf50 (2.2)	CXXC1 (2.1)	PTPMT1 (2.0)
KBTBD4 (3.1)	DR1 (2.8)	ARFGAP2 (2.6)	SIK3 (2.4)	KLHL8 (2.4)
CYP2W1 (2.5)	ENSG00000254235 (2	DNAH10 (2.2)	KLF14 (2.2)	SFN (2.1)
CTDSPL2 (2.8)	C7orf50 (2.6)	WDR76 (2.6)	ACD (2.5)	DDB2 (2.4)
ATG13 (2.4)	PSMB10 (2.3)	HARBI1 (2.3)	COX19 (2.3)	RANBP10 (2.1)
C16orf86 (2.5)	ENSG00000256746 (2	C11orf49 (2.3)	C16orf48 (2.2)	C7orf50 (2.2)
SPRYD5 (2.2)	ENSG00000255507 (2	KIAA0754 (2.1)	TAGLN (2.1)	C11orf9 (1.9)
FAM192A (2.4)	NUP93 (2.0)	PARD6A (1.7)	MFAP1 (1.7)	CCDC18 (1.6)
EIF3J (3.2)	DDX28 (3.1)	YDJC (2.8)	C7orf50 (2.7)	GPN2 (2.6)
ZFAND2A (2.1)	TP53BP1 (2.0)	ZNF408 (2.0)	TOMM40 (2.0)	C12orf43 (1.8)
ENSG00000229043 (2	TNKS (2.1)	ENSG00000256746 (2	RNF214 (2.0)	ENSG00000181296 (1
ENSG00000229043 (2	TNKS (2.1)	ENSG00000256746 (2	RNF214 (2.0)	ENSG00000181296 (1
DUS2L (2.2)	ZNF614 (2.1)	PARD6A (2.0)	C16orf48 (2.0)	BBS2 (2.0)
C11orf9 (2.2)	RAPSN (2.2)	TRIB1 (2.1)	ERBB2 (2.0)	TGM5 (1.8)
MON1A (2.8)	TOMM40 (2.8)	C12orf43 (2.7)	ARFGAP2 (2.6)	HARBI1 (2.4)
PDHB (2.6)	PXK (2.5)	HNF1A (2.4)	SLC39A13 (2.3)	NR0B2 (2.2)
HARBI1 (3.7)	PRMT7 (3.7)	DUS2L (3.6)	C7orf50 (3.3)	LCMT2 (3.1)
GPN2 (3.1)	DDX28 (3.1)	C7orf50 (3.1)	EIF3J (3.0)	MFAP1 (2.9)
CCNDBP1 (2.2)	C16orf48 (2.0)	BUD13 (2.0)	KCTD6 (2.0)	SKA1 (1.8)

CIAPIN1 (2.7)	PDHB (2.6)	INTS10 (2.5)	KPNB1 (2.5)	MTCH2 (2.5)
C17orf105 (4.0)	DNAH10 (2.5)	GFOD2 (2.2)	TGM7 (2.2)	BMP8A (1.6)
C17orf105 (4.0)	DNAH10 (2.5)	GFOD2 (2.2)	TGM7 (2.2)	BMP8A (1.6)
DDB2 (3.7)	MTF2 (3.2)	SKA1 (3.2)	MPHOSPH9 (3.1)	C16orf48 (3.0)
SLC7A6OS (2.7)	BUD13 (2.5)	ENSG00000179523 (2	DDX28 (2.4)	FNBP4 (2.3)
ENSG00000223745 (1	OR4A21P (1.8)	FNBP4 (1.7)	ZNF614 (1.6)	THAP11 (1.6)
CYP26A1 (3.4)	TECTB (3.3)	FZD9 (2.4)	RSPO3 (2.1)	PPP1R1B (2.1)
GNAO1 (2.6)	CPNE2 (2.5)	TRNP1 (2.3)	CMIP (2.1)	NEUROD2 (2.1)
CYP26A1 (2.4)	PYY (2.3)	EXOC3L1 (2.2)	DOCK6 (2.1)	GPER (2.1)
EIF3J (3.1)	PSMC3 (2.7)	OGFOD1 (2.7)	ZNF259 (2.4)	TOMM40 (2.3)
LCMT2 (3.6)	PRMT7 (3.5)	DUS2L (3.2)	EIF3J (3.1)	SNORD58C (3.1)
LCMT2 (2.3)	MPHOSPH9 (2.2)	RBM6 (2.1)	NUP160 (1.7)	WDR76 (1.7)
CCDC18 (2.6)	TBL2 (2.0)	SBNO1 (1.6)	DDB2 (1.6)	ADAL (1.6)
ATG13 (2.8)	RBM6 (2.5)	SLC7A6OS (2.5)	NRBF2 (2.5)	ENSG00000236267 (2
PDE3A (2.8)	ERBB2 (2.8)	TCAP (2.7)	ENSG00000254235 (2	ENSG00000256746 (2
RBM5 (2.4)	PTPRJ (2.3)	CENPT (2.3)	CIAPIN1 (2.1)	NFATC3 (2.1)
LRP4 (2.3)	TRPS1 (2.2)	PACSIN3 (2.0)	PTPRZ1 (1.9)	KCTD6 (1.9)
ERBB2 (2.4)	LRP4 (2.3)	FBXL20 (2.0)	REEP3 (2.0)	C1QTNF4 (2.0)
YDJC (2.6)	TRNP1 (2.5)	MYO5B (2.4)	C1QTNF4 (2.2)	TP53BP1 (2.0)
MT1X (2.5)	TGM7 (2.5)	GLUL (2.2)	REEP3 (2.1)	KLHL8 (2.1)
C1QTNF4 (2.6)	TRNP1 (2.6)	SMPD3 (2.3)	DOK4 (2.2)	GNAO1 (2.1)
PCSK7 (2.3)	MAP1A (2.3)	ABCB9 (2.1)	AFF1 (1.9)	TTBK2 (1.9)
TTC39B (1.9)	ZNF614 (1.8)	GFOD2 (1.8)	RSPO3 (1.7)	DPEP2 (1.7)
C11orf49 (2.6)	MACF1 (2.4)	TTC39B (2.0)	ABCB9 (2.0)	UBE3B (1.9)
MTCH2 (3.9)	PTPMT1 (3.2)	TMEM208 (2.8)	COX19 (2.3)	PSMB10 (2.2)
ENSG00000256746 (3	TMEM62 (2.8)	ENSG00000226334 (2	MYO1H (2.0)	KCTD19 (2.0)
DEPDC1 (2.3)	CKAP5 (2.2)	ZNF408 (2.2)	TGM7 (2.2)	B3GNT9 (2.2)
TRPS1 (2.2)	SLC9A5 (2.0)	ERBB2 (2.0)	DOK4 (2.0)	KLF14 (1.9)
DDB2 (2.6)	RANBP10 (2.3)	ZFAND2A (2.3)	FAM192A (2.2)	KBTBD4 (2.2)
DUS2L (2.6)	XKR8 (2.3)	CCNDBP1 (2.2)	NUTF2 (2.1)	PTPMT1 (2.0)
DYM (2.1)	RAB11B (2.1)	SETD8 (2.1)	ENSG00000226334 (2	AMFR (1.9)
GPER (2.1)	HARBI1 (2.0)	C11orf49 (2.0)	KIAA0895L (1.9)	ENSG00000255507 (1
DDB2 (2.6)	CPNE2 (2.6)	CTDSPL2 (2.5)	CBFB (2.3)	MTF2 (2.3)
OR5I1 (2.5)	ZNF408 (2.5)	ZNF615 (2.4)	TRNP1 (2.4)	ENSG00000247445 (2
BMP8A (3.2)	PAFAH1B2 (3.0)	ZFAND2A (2.5)	PTPMT1 (2.5)	NPEPPS (2.4)
BMP8A (3.2)	PAFAH1B2 (3.0)	ZFAND2A (2.5)	PTPMT1 (2.5)	NPEPPS (2.4)
PSMC3 (2.8)	RBM6 (2.5)	CBFB (2.5)	EIF3J (2.4)	KCTD19 (2.4)
SLC9A5 (2.4)	CITED2 (2.3)	KLHL8 (2.3)	EXOC3L1 (2.1)	PVRL2 (2.1)
C12orf43 (2.4)	ABHD6 (2.3)	PPIP5K1 (2.2)	OR5L2 (2.2)	DCPS (2.2)
C11orf49 (2.8)	G6PC3 (2.5)	C17orf105 (2.5)	CCDC92 (2.5)	CCDC18 (2.4)
ENSG00000182109 (2	TRNP1 (2.1)	PLEKHG4 (2.1)	GNAO1 (2.1)	KIAA0895L (2.0)
TSNAXIP1 (2.4)	BMP8A (2.3)	CCDC11 (2.0)	DNAH10 (1.9)	C16orf86 (1.9)
MPP2 (2.6)	ABCB9 (2.5)	CX3CL1 (2.4)	CELSR2 (2.4)	GNAO1 (2.4)
GRB7 (2.4)	MYO5B (2.4)	ERBB2 (2.2)	HNF1A (2.1)	LRP4 (2.1)
KCTD6 (2.2)	ENSG00000179523 (1	RAPSN (1.7)	FZD9 (1.6)	GNAO1 (1.6)
MAP1A (2.7)	PACSIN3 (2.5)	ABCA8 (2.4)	DUSP3 (2.3)	PDE3A (2.2)
CYP26A1 (3.2)	TRPS1 (2.7)	FZD9 (2.5)	SOST (2.3)	SMPD3 (2.3)
NUP160 (2.2)	BAZ1B (2.1)	LCMT2 (1.9)	KPNB1 (1.9)	UBE2L3 (1.8)
ABCA8 (2.7)	TTBK2 (2.6)	MPP2 (2.5)	RSPO3 (2.3)	MAP1A (2.3)
C16orf48 (2.6)	ENSG00000247445 (2	STRC (2.5)	CCDC11 (2.5)	TUBGCP4 (2.4)

MST1R (2.8)	MYO5B (2.4)	CES4A (2.3)	SLC9A5 (2.3)	FRMD5 (2.2)
LCMT2 (2.6)	DDX28 (2.3)	YDJC (2.2)	HARBI1 (2.2)	C12orf43 (2.2)
STRC (2.2)	EPB42 (2.2)	CASC4 (2.1)	PAFAH1B2 (2.1)	DOK4 (2.1)
NUP160 (2.8)	KBTBD4 (2.8)	DDB2 (2.8)	NUDT21 (2.7)	CENPT (2.7)
EXOC3L1 (2.0)	DOK4 (1.9)	ZNF614 (1.9)	LRRC29 (1.8)	SOST (1.8)
CTDSPL2 (3.0)	FEN1 (3.0)	CCDC18 (2.9)	PARD6A (2.3)	MTCH2 (2.3)
KCTD19 (2.9)	DPEP3 (2.8)	TGM7 (2.8)	CCDC11 (2.8)	OR5I1 (2.6)
BBS2 (4.8)	C16orf48 (4.6)	CCDC11 (4.6)	TP53BP1 (3.1)	CYP2W1 (2.6)
DDB2 (3.7)	NUP160 (3.4)	ACD (2.8)	C16orf48 (2.7)	DCPS (2.6)
GPR146 (2.1)	PPY (2.0)	OR5I1 (2.0)	SLC9A5 (1.9)	ENSG00000256746 (1
B3GNT9 (2.5)	ENSG00000223745 (2	TMEM175 (2.3)	C12orf65 (2.2)	SPG11 (2.2)
B3GNT9 (2.5)	ENSG00000223745 (2	TMEM175 (2.3)	C12orf65 (2.2)	SPG11 (2.2)
AMFR (2.3)	ENSG00000182109 (2	SOST (2.2)	C11orf9 (2.1)	SMPD3 (2.0)
MTCH2 (4.0)	PTPMT1 (3.1)	TMEM208 (2.9)	COX19 (2.3)	C18orf32 (2.2)
COQ9 (2.7)	MIEN1 (2.5)	MTCH2 (2.0)	TMEM208 (2.0)	SNORD58C (1.9)
CASC4 (2.4)	MYO1H (2.4)	ADAL (2.4)	CCDC18 (2.4)	SPG11 (2.3)
OR5I1 (2.4)	ENSG00000223745 (2	OR4A1P (2.1)	PITPNM2 (2.1)	TBKBP1 (2.0)
PSMC3 (2.4)	FAM192A (2.4)	C16orf70 (2.3)	ZFAND2A (2.3)	RANBP10 (2.2)
SMPD3 (2.5)	C16orf48 (2.5)	BBS2 (2.2)	FRMD5 (2.0)	ENSG00000254235 (1
STRC (2.4)	DUSP3 (2.1)	TRADD (2.1)	KIAA0895L (2.0)	ENSG00000247445 (2
C12orf43 (2.0)	UBE2L3 (1.9)	FNBP4 (1.9)	OR4A21P (1.7)	ARFGAP2 (1.6)
C12orf43 (2.0)	UBE2L3 (1.9)	FNBP4 (1.9)	OR4A21P (1.7)	ARFGAP2 (1.6)
TECTB (2.2)	SPRYD5 (2.1)	FZD9 (2.0)	ENSG00000226334 (1	CCDC11 (1.8)
RBM5 (2.5)	JMJD1C (2.4)	ZNF350 (2.4)	FBXL20 (2.3)	CDK12 (2.2)
C1QTNF4 (2.3)	SNX10 (2.2)	TP53BP1 (2.2)	PARD6A (2.0)	YDJC (2.0)
TP53BP1 (4.5)	AGBL2 (4.1)	TSNAXIP1 (3.7)	TMEM175 (2.8)	ZNF664 (2.6)
DCPS (2.4)	NCOA5 (2.3)	RBM6 (2.3)	MED1 (2.1)	KPNB1 (2.1)
DCPS (2.4)	NCOA5 (2.3)	RBM6 (2.3)	MED1 (2.1)	KPNB1 (2.1)
C17orf105 (2.2)	ENSG00000256746 (2	SCARB1 (1.9)	KLF14 (1.8)	FRMD5 (1.7)
C16orf48 (2.9)	BCL7B (2.9)	THAP11 (2.7)	WDR76 (2.5)	CKAP5 (2.4)
MTCH2 (3.8)	PTPMT1 (3.0)	TMEM208 (2.7)	MIEN1 (2.2)	C18orf32 (2.2)
BAZ1B (2.2)	KPNB1 (1.9)	LCMT2 (1.9)	NUP160 (1.8)	PSMC3 (1.7)
CATSPER2 (2.4)	DOK4 (2.3)	TGM7 (2.1)	COBLL1 (2.1)	ETV5 (2.1)
PSMC3 (3.0)	TMEM208 (2.8)	MTCH2 (2.5)	NOL3 (2.4)	COX19 (2.4)
FNBP4 (2.3)	DYM (1.9)	CITED2 (1.8)	SETD8 (1.7)	UBE2L3 (1.7)
MTF2 (2.1)	MBD1 (2.0)	CXXC1 (2.0)	NCOA5 (2.0)	C1QTNF4 (1.9)
NEUROD2 (2.3)	RLTPR (2.3)	GNAO1 (2.2)	CELSR2 (2.0)	CCNDBP1 (1.9)
CTDSPL2 (2.6)	MBD1 (2.6)	RSPRY1 (2.6)	UVRAG (2.4)	SBNO1 (2.4)
SBNO1 (2.3)	GPN2 (2.2)	RBM6 (2.1)	BUD13 (2.1)	DR1 (1.9)
CCDC18 (2.9)	CENPT (2.7)	NUTF2 (2.7)	DCPS (2.4)	C16orf48 (2.4)
CELSR2 (2.7)	RLTPR (2.7)	ZNF613 (2.7)	TRNP1 (2.0)	C1QTNF4 (1.9)
CENPT (3.0)	DNAH10 (2.9)	DEPDC1 (2.7)	CASC4 (2.6)	SKA1 (2.3)
KIAA0895L (2.3)	TRNP1 (2.2)	ZNF615 (2.1)	CCDC11 (2.1)	PLA2G15 (1.9)
NUP160 (2.6)	ZNF259 (2.5)	KLHL8 (2.5)	YDJC (2.4)	THAP11 (2.3)
PDIA3 (3.2)	PIGV (3.1)	TMEM101 (2.7)	TMED5 (2.7)	B3GNT9 (2.5)
ENSG00000255507 (2	ENSG00000179523 (2	FRMD5 (1.7)	GPIHBP1 (1.7)	CD36 (1.7)
FBXL20 (3.1)	G6PC3 (2.9)	PIGV (2.9)	ENSG00000223745 (2	LRRC29 (2.3)
KCTD19 (2.3)	PTPMT1 (1.9)	CATSPER2 (1.8)	SEC14L4 (1.8)	BMP8A (1.7)
C12orf65 (2.2)	DYM (2.0)	SLC9A5 (1.9)	CCNDBP1 (1.8)	C16orf48 (1.8)
ZNF259 (2.7)	CASC4 (2.5)	COX19 (2.3)	NUTF2 (2.3)	MIEN1 (2.1)

BAZ1B (3.0)	MFAP1 (2.9)	EYA3 (2.9)	FBXL20 (2.7)	LCMT2 (2.7)
DNAH10 (2.9)	MON1A (2.8)	REEP3 (2.8)	LRRC29 (2.6)	BMP8A (2.4)
ENSG00000254235 (2	GPIHBP1 (2.2)	TRNP1 (2.1)	SBNO1 (1.9)	HCAR1 (1.8)
TTBK2 (3.1)	CKAP5 (3.1)	KPNB1 (3.0)	SPG11 (2.9)	KIAA0754 (2.8)
DNAH10 (3.3)	ENSG00000226334 (3	ENSG00000229043 (2	C11orf9 (2.4)	KCTD19 (2.3)
SLC7A6 (2.5)	TRPS1 (2.5)	CYP26A1 (2.3)	ENSG00000179523 (2	ATG13 (2.1)
SMPD3 (2.3)	GNAO1 (2.2)	CX3CL1 (2.1)	ABCB9 (2.0)	CLPTM1 (2.0)
MTCH2 (4.0)	PTPMT1 (3.0)	TMEM208 (2.7)	C18orf32 (2.4)	COX19 (2.2)
NCOA5 (2.4)	MED1 (2.4)	RBM6 (2.3)	BUD13 (2.3)	ZNF259 (2.3)
KCTD6 (2.3)	FZD9 (2.1)	RAPSN (1.7)	IGF2R (1.7)	RSPO3 (1.7)
ENSG00000247867 (2	MST1R (2.4)	OR5J2 (2.4)	CYP26A1 (2.0)	KLF14 (2.0)
PACSIN3 (1.9)	ZNF614 (1.9)	OR5L2 (1.8)	ENSG00000247867 (1	DNAH10 (1.7)
PTPRJ (2.6)	TBKBP1 (2.3)	DGKG (1.9)	MBD1 (1.9)	FHOD1 (1.9)
SMPD3 (2.5)	OR5I1 (2.4)	EPB42 (2.1)	REEP3 (2.0)	TMED5 (2.0)
MTCH2 (2.2)	OR5J2 (2.2)	TUBGCP4 (2.2)	CKAP5 (2.1)	BCL7B (2.1)
MIEN1 (2.1)	BBS2 (2.1)	AGBL2 (2.0)	TMEM62 (1.8)	HSF4 (1.8)
NCOA5 (2.4)	NUP160 (2.2)	UBE2L3 (2.2)	RBM6 (2.2)	SNORD58C (2.1)
NCOA5 (2.4)	NUP160 (2.2)	UBE2L3 (2.2)	RBM6 (2.2)	SNORD58C (2.1)
NCOA5 (2.4)	NUP160 (2.2)	UBE2L3 (2.2)	RBM6 (2.2)	SNORD58C (2.1)
NCOA5 (2.4)	NUP160 (2.2)	UBE2L3 (2.2)	RBM6 (2.2)	SNORD58C (2.1)
NCOA5 (2.4)	NUP160 (2.2)	UBE2L3 (2.2)	RBM6 (2.2)	SNORD58C (2.1)
C11orf49 (2.3)	TCAP (2.2)	KIAA0754 (2.0)	ABCB9 (1.9)	LRP4 (1.9)
CKAP5 (3.0)	FNBP4 (2.9)	AMBRA1 (2.7)	ZNF664 (2.6)	NUP160 (2.5)
UBE2L3 (1.9)	KLHL8 (1.5)	ZNF335 (1.4)	ZNF664 (1.4)	FNBP4 (1.4)
MT1G (2.4)	MST1R (2.3)	DOK4 (2.2)	SBNO1 (2.1)	MAP1A (2.1)
ENSG00000247445 (2	LILRA3 (1.9)	ZNF614 (1.9)	SNX10 (1.8)	XKR8 (1.6)
ENSG00000247445 (2	LILRA3 (1.9)	ZNF614 (1.9)	SNX10 (1.8)	XKR8 (1.6)
MACF1 (2.5)	FHOD1 (2.5)	SFN (2.4)	UBE2L3 (2.3)	DOCK6 (2.2)
ENSG00000229043 (2	MIEN1 (2.5)	PSMC3 (2.5)	MPHOSPH9 (2.4)	HARBI1 (2.3)
TCAP (2.7)	CELF1 (2.7)	NPEPPS (2.5)	BACE1 (2.5)	GNAO1 (2.5)
DR1 (3.2)	BUD13 (2.9)	ENSG00000179523 (2	INTS10 (2.2)	THAP11 (2.2)
DNAH10 (2.6)	PDE3A (2.4)	ENSG00000181296 (2	FRMD5 (2.3)	SIDT2 (2.0)
ETV5 (2.3)	TRPS1 (2.2)	ABCB9 (2.2)	ABCA8 (2.1)	TMEM101 (2.1)
MPP2 (2.7)	BAZ1B (2.6)	PPIP5K1 (2.5)	CCDC18 (2.3)	JMJD1C (2.2)
POLR2C (3.4)	ACD (3.3)	SLC7A6OS (3.2)	DUSP3 (2.9)	KIAA0895L (2.9)
KLF14 (2.6)	ERBB2 (2.6)	ETV5 (2.6)	CYP26A1 (2.6)	GRB7 (2.5)
C16orf86 (3.3)	MTCH2 (3.0)	NDUFS3 (2.8)	PPIP5K1 (2.7)	CIAPIN1 (2.6)
MT1M (2.4)	XKR8 (2.3)	RSPRY1 (2.0)	MT1X (1.9)	MT1F (1.8)
C7orf50 (2.9)	MPHOSPH9 (2.7)	SKA1 (2.5)	RNF214 (2.3)	SIDT2 (2.2)
SPG11 (2.9)	KIAA0754 (2.2)	FADS1 (1.8)	PLA2G15 (1.7)	C7orf50 (1.6)
C1QTNF4 (3.2)	NEUROD2 (3.0)	MPP3 (2.9)	MAP1A (2.9)	CX3CL1 (2.7)
KLF14 (2.0)	ENSG00000254235 (1	PNMT (1.8)	DOK4 (1.8)	MT1H (1.7)
TOMM40 (2.7)	KPNB1 (2.2)	RBM6 (2.2)	ENSG00000226334 (2	ARFGAP2 (1.8)
TCAP (3.7)	GNAO1 (3.6)	MTMR3 (2.9)	ARHGAP1 (2.8)	GPR146 (2.7)
CCNDBP1 (2.9)	TMEM208 (2.7)	COX19 (2.6)	GFOD2 (2.6)	PSMC3 (2.6)
FNBP4 (2.3)	MAFF (2.0)	OR4A21P (1.9)	C7orf50 (1.9)	CATSPER2 (1.8)
KCTD19 (2.0)	PGS1 (1.9)	MPP3 (1.9)	TOMM40 (1.7)	SNX10 (1.6)
DDX28 (2.8)	EIF3J (2.7)	C7orf50 (2.4)	SNORD58C (2.3)	SLC7A6OS (2.3)
C17orf57 (3.3)	EPB42 (3.1)	ZNF350 (2.9)	ZNF613 (2.5)	STRC (2.5)
MTCH2 (2.7)	C18orf32 (2.7)	ADAL (2.5)	PPIP5K1 (2.2)	TOMM40 (2.1)

SIK3 (2.4)	KLF14 (2.4)	RBPJ (2.2)	RSPRY1 (2.1)	TECTB (2.1)
HNF1A (2.3)	GALNT2 (2.3)	C17orf105 (2.1)	OR5I1 (2.1)	REEP3 (2.0)
JMJD1C (2.2)	CKAP5 (2.0)	TGM7 (1.9)	PCIF1 (1.9)	OASL (1.8)
SLC7A6 (2.8)	TMEM208 (2.6)	COX19 (2.6)	CIAPIN1 (2.4)	MTCH2 (2.1)
PVRL2 (2.0)	KCTD6 (1.8)	AGBL2 (1.8)	CYP26A1 (1.6)	SETD8 (1.6)
KCTD6 (2.0)	BUD13 (2.0)	ZNF259 (1.9)	PTPMT1 (1.9)	SPRYD5 (1.7)
DDB2 (2.6)	NOL3 (2.5)	NLRC5 (2.4)	MT1X (2.3)	TMEM208 (2.3)
CCDC18 (3.3)	PRMT7 (2.7)	FEN1 (2.5)	PARD6A (2.3)	MPHOSPH9 (2.2)
TNKS (2.0)	TRPS1 (1.9)	RNF214 (1.8)	SOST (1.8)	FRMD5 (1.8)
NUP160 (2.7)	INTS10 (2.6)	RBM6 (2.6)	LCMT2 (2.5)	MYO1H (2.5)
SLC12A3 (2.9)	STRC (2.4)	ST3GAL4 (2.4)	MAP1A (2.4)	GPER (2.3)
KPNB1 (2.1)	SETD8 (2.1)	HCAR1 (2.1)	DUS2L (1.9)	NAGS (1.9)
RBM5 (2.3)	CITED2 (1.9)	PSMC3 (1.7)	PDIA3 (1.6)	NDUFS3 (1.6)
PLEKHG4 (2.1)	SKA1 (1.8)	XKR8 (1.7)	FEN1 (1.7)	TSNAXIP1 (1.6)
TMEM62 (2.3)	HNF1A (2.1)	OR5L2 (2.1)	PIGV (2.0)	ABHD6 (1.9)
MTCH2 (4.3)	PTPMT1 (3.1)	TMEM208 (2.8)	PPIP5K1 (2.4)	C18orf32 (2.4)
OGFOD1 (2.6)	TRADD (2.5)	PRMT7 (2.3)	ENSG00000179523 (2	ENSG00000182109 (2
CTDSPL2 (3.2)	NUP160 (3.1)	SKA1 (3.1)	MTF2 (2.5)	BAZ1B (2.3)
MYO1H (2.5)	CATSPER2 (2.4)	C17orf57 (2.3)	TBL2 (2.3)	ENSG00000255507 (2
ENSG00000247445 (2	SPRYD5 (2.9)	DOK4 (2.7)	PTPRJ (2.4)	ABHD6 (2.3)
MTCH2 (3.7)	TMEM208 (2.9)	COX19 (2.4)	PTPMT1 (2.3)	PSMB10 (2.1)
MIEN1 (2.9)	TMEM101 (2.7)	KLHL8 (2.6)	SPRYD5 (2.6)	C12orf43 (2.6)
TGM7 (2.7)	DNAH10 (2.7)	C17orf105 (2.5)	KLF14 (2.5)	PGAP3 (2.3)
TAGLN (2.1)	MYO5B (2.0)	TMEM101 (1.9)	C11orf9 (1.9)	CELSR2 (1.7)
MAP1A (2.8)	KIAA0895L (2.7)	CMIP (2.1)	GNAO1 (2.0)	OR5I1 (1.8)
SLC7A6OS (2.1)	JMJD1C (2.1)	CDK12 (1.9)	OR5J2 (1.8)	AFF1 (1.7)
CCNDBP1 (2.3)	KCTD6 (2.2)	CXXC1 (2.0)	BCL7B (1.8)	MON1A (1.8)
PACSIN3 (3.7)	KANK2 (2.7)	ARHGAP1 (2.5)	KCTD10 (1.6)	KIAA0754 (1.6)
NEUROD2 (2.7)	RLTPR (2.6)	MYO5B (2.5)	ZDHHC18 (2.4)	SNX10 (2.3)
CCNDBP1 (2.3)	YDJC (2.3)	E2F4 (2.3)	TSNAXIP1 (2.1)	ZNF335 (2.1)
ZNF614 (2.0)	OR5J2 (2.0)	TECTB (1.9)	TGM7 (1.7)	TRPS1 (1.7)
TRADD (2.5)	UBR1 (2.4)	C11orf9 (2.3)	KIAA0754 (2.3)	DOCK6 (2.3)
OR5J2 (2.4)	PITPNM2 (2.2)	EPB42 (2.1)	ARID1A (2.1)	EYA3 (1.9)
CIAPIN1 (3.3)	PSMC3 (2.7)	ZNF664 (2.5)	PDHB (2.5)	PPIP5K1 (2.5)
NUP160 (3.7)	SKA1 (3.5)	C16orf48 (3.5)	CTDSPL2 (3.2)	ACD (2.8)
KPNB1 (2.1)	EIF3J (1.9)	ZNF664 (1.8)	ARFGAP2 (1.8)	FNBP4 (1.6)
NCOA5 (2.5)	BUD13 (2.3)	LCMT2 (2.1)	NUP160 (2.0)	BAZ1B (1.8)
CCL17 (3.2)	RELB (3.2)	NLRC5 (2.9)	PSMB10 (2.9)	LILRB2 (2.7)
CMIP (2.4)	CTDSPL2 (2.4)	EIF3J (2.3)	PTPRJ (2.3)	KIAA0754 (2.2)
FAM192A (2.4)	ENSG00000255507 (2	ZNF613 (2.3)	CKAP5 (2.1)	RANBP10 (2.1)
PNMT (2.4)	PVRL2 (2.3)	ERBB2 (1.9)	TAGLN (1.9)	CYP2W1 (1.8)
NFATC3 (2.5)	AMBRA1 (2.5)	ARID1A (2.4)	TRPS1 (2.3)	EPB42 (2.1)
MAP1A (2.3)	SLC9A5 (2.0)	TGM7 (2.0)	CELF1 (2.0)	TTBK2 (2.0)
E2F4 (2.5)	EIF3J (2.4)	FHOD1 (2.3)	NUP93 (2.3)	BAZ1B (2.2)
NEUROD2 (2.7)	GNAO1 (2.5)	SNX10 (2.4)	RLTPR (2.1)	MYO5B (2.0)
PLEKHG4 (2.8)	GNAO1 (2.8)	MACF1 (2.8)	MPP3 (2.5)	CX3CL1 (2.5)
NEUROD2 (2.4)	SNX10 (2.3)	RLTPR (2.2)	GNAO1 (2.2)	MADD (2.1)
SNORD58C (3.1)	ARHGAP1 (3.1)	KANK2 (3.1)	CITED2 (2.6)	KIAA0754 (2.5)
MAP1A (1.7)	C11orf9 (1.7)	TTC39B (1.6)	TTBK2 (1.5)	UBR1 (1.5)
NRBF2 (2.9)	JMJD1C (2.8)	POLR2C (2.8)	MT1G (2.6)	MIEN1 (2.6)

HSF4 (2.2)	TECTB (2.1)	MAP1A (2.0)	CCDC92 (1.8)	SNX10 (1.8)
C16orf86 (2.9)	BMP8A (2.3)	KCTD19 (1.8)	TGM5 (1.7)	CTRL (1.7)
CCDC92 (2.0)	ABHD6 (1.9)	ENSG00000179523 (1	C11orf49 (1.9)	ENSG00000236267 (1
NPEPPS (2.6)	MED1 (2.2)	KCTD10 (2.2)	C12orf43 (2.0)	ZNF259 (2.0)
PAFAH1B2 (2.3)	STRC (2.2)	SNX13 (2.2)	ZNF613 (2.0)	SBNO1 (1.9)
MPHOSPH9 (2.7)	TP53BP1 (2.6)	C7orf50 (2.3)	WDR76 (2.3)	SKA1 (2.2)
DGKG (2.6)	MT1M (2.5)	FZD9 (2.3)	ENSG00000256746 (2	NOL3 (1.8)
ZNF614 (2.3)	C11orf49 (2.3)	SPG11 (2.2)	PGS1 (1.9)	SNX13 (1.9)
NUP160 (3.8)	CTDSPL2 (3.7)	C16orf48 (3.2)	ACD (3.2)	SKA1 (2.9)
PPIP5K1 (2.0)	ZNF408 (2.0)	ENSG00000247867 (2	EYA3 (2.0)	ARHGAP1 (2.0)
UBR1 (3.6)	SBNO1 (3.1)	SPG11 (2.9)	JMJD1C (2.6)	AMFR (2.4)
REEP3 (2.4)	GNAO1 (2.3)	GRB7 (2.2)	CCDC92 (2.2)	SIK3 (2.1)
ENSG00000226645 (2	ENSG00000247445 (2	MADD (2.1)	ENSG00000247867 (2	TRADD (2.0)
PPP1R1B (2.7)	CSGALNACT1 (2.2)	SIK3 (2.1)	CX3CL1 (2.0)	GLUL (2.0)
GNAO1 (2.8)	CCDC92 (2.5)	C1QTNF4 (2.5)	PPIP5K1 (2.5)	C1orf172 (2.4)
OASL (2.9)	MFAP1 (2.7)	BCL7B (2.5)	HARBI1 (2.4)	PCIF1 (2.3)
COQ9 (2.3)	NDUFS3 (2.3)	C11orf9 (2.3)	PDHB (2.2)	MTCH2 (2.2)
SLC7A6OS (2.5)	EDC4 (2.4)	DDX28 (2.4)	BCL7B (2.4)	ARFGAP2 (2.3)
RLTPR (2.4)	PTPRZ1 (2.4)	ABCB9 (2.3)	DGKG (2.3)	MPP2 (2.0)
UBR1 (3.1)	BAZ1B (3.1)	TP53BP1 (3.1)	NUP160 (3.1)	PRMT7 (2.9)
KIAA0754 (3.0)	CASC4 (2.7)	CIAPIN1 (2.6)	MPP2 (2.6)	TCAP (2.5)
DPEP3 (2.2)	CMIP (1.9)	ZNF615 (1.9)	C16orf48 (1.9)	MIEN1 (1.8)
SMPD3 (3.0)	SLC9A5 (2.8)	TRNP1 (2.7)	MPP3 (2.4)	BMP8A (2.3)
ENSG00000247445 (2	ST3GAL4 (2.3)	ATG13 (2.1)	HSF4 (2.1)	CYP26A1 (2.0)
KLF14 (2.5)	LRP4 (2.5)	ENSG00000226334 (2	RAPSN (2.3)	RSPO3 (2.2)
FNBP4 (1.8)	CASC4 (1.7)	EIF3J (1.7)	KPNB1 (1.6)	TRPS1 (1.6)
TRNP1 (2.2)	PTPRZ1 (2.2)	TECTB (2.0)	BACE1 (2.0)	TGM5 (2.0)
DR1 (2.1)	HARBI1 (2.1)	ATG13 (1.8)	LRRC29 (1.8)	DOK4 (1.8)
MPHOSPH9 (2.3)	C11orf49 (2.1)	PSMC3 (2.0)	C12orf43 (1.9)	NCOA5 (1.9)
CYP26A1 (2.1)	RSPO3 (2.1)	ETV5 (1.9)	SLC7A6 (1.9)	TMEM101 (1.8)
CCDC18 (2.4)	OR5L2 (2.3)	RBM5 (2.3)	AMBRA1 (2.1)	UVRAG (1.9)
TMEM101 (2.4)	NR0B2 (2.3)	GALNT2 (2.3)	PGAP3 (2.2)	HCAR1 (2.2)
OR4A21P (2.8)	KLF14 (2.3)	PPY (2.1)	PITPNM2 (2.1)	SMPD3 (1.9)
SKA1 (3.5)	BAZ1B (2.9)	DDB2 (2.7)	MPHOSPH9 (2.6)	C16orf48 (2.6)
MTCH2 (3.2)	PTPMT1 (2.9)	OR5I1 (2.3)	TMEM208 (2.3)	PPIP5K1 (2.1)
RSPO3 (2.3)	MST1R (2.3)	C1orf172 (2.2)	SFN (2.2)	CYP26A1 (2.2)
NEUROD2 (2.6)	CCDC92 (2.5)	C11orf49 (2.5)	MAP1A (2.4)	MBD1 (2.3)
GNAO1 (2.8)	LRRC29 (2.5)	SNX10 (2.2)	C11orf49 (2.2)	C16orf86 (2.2)
PGAP3 (2.6)	PYY (2.3)	PXK (2.0)	HNF4A (2.0)	MST1R (1.9)
CITED2 (2.4)	PTPRZ1 (2.2)	YDJC (2.1)	CYP26A1 (2.1)	KCTD19 (2.1)
EIF3J (3.2)	SLC7A6OS (2.7)	YDJC (2.6)	DDX28 (2.5)	C7orf50 (2.5)
TRPS1 (2.7)	RSPO3 (2.7)	KLF14 (2.5)	ERBB2 (2.3)	FADS1 (2.3)
KIAA0895L (2.4)	KLF14 (2.4)	PPP1R1B (2.2)	FRMD5 (2.1)	PARD6A (2.0)
UBE3B (2.1)	NPEPPS (2.0)	KCTD10 (2.0)	ENSG00000247445 (1	BMP8A (1.7)
MTCH2 (1.9)	NUP93 (1.8)	ZFAND2A (1.8)	ZNF259 (1.7)	CIAPIN1 (1.7)
ABCA8 (2.3)	RSPO3 (2.2)	PACSIN3 (2.1)	HSF4 (1.9)	C1orf172 (1.9)
CCDC116 (1.9)	C11orf9 (1.8)	CYP26A1 (1.7)	OASL (1.7)	ENSG00000181296 (1
EXOC3L1 (3.1)	PNMT (3.0)	DNAH10 (2.6)	BCAM (2.5)	GNAO1 (2.4)
CCNDBP1 (2.2)	UBR1 (2.1)	PAFAH1B2 (2.1)	FAM192A (2.0)	RNF214 (1.8)
BMP8A (2.8)	ELMO3 (2.6)	C1orf172 (2.5)	ENSG00000247867 (2	NAGS (2.3)

ENSG00000223745 (3	SPG11 (3.1)	ZNF259 (3.0)	HERPUD1 (3.0)	OGFOD1 (2.9)
BMP8A (2.0)	MPP3 (1.8)	MAP1A (1.7)	ENSG00000179523 (1	SOST (1.7)
DDB2 (3.6)	CTDSPL2 (3.2)	C16orf48 (3.1)	SKA1 (2.9)	BAZ1B (2.8)
DDB2 (3.6)	CTDSPL2 (3.2)	C16orf48 (3.1)	SKA1 (2.9)	BAZ1B (2.8)
DOCK6 (2.9)	SFN (2.7)	GPIHBP1 (2.5)	SLC12A4 (2.5)	DUSP3 (2.4)
DOCK6 (2.7)	BCAM (2.4)	MST1R (2.2)	KCTD10 (2.1)	ZNF664 (2.1)
B3GNT9 (2.3)	KCTD6 (2.2)	TGM5 (2.1)	CASC4 (2.0)	TMEM101 (2.0)
B3GNT9 (2.3)	KCTD6 (2.2)	TGM5 (2.1)	CASC4 (2.0)	TMEM101 (2.0)
TGM7 (3.5)	DNAH10 (3.1)	KCTD19 (2.8)	MYO1H (2.7)	ENSG00000229043 (2
OR4A1P (3.0)	PGAP3 (2.8)	TMEM101 (2.8)	LCMT2 (2.7)	SPG11 (2.6)
ZNF259 (2.8)	SBNO1 (2.8)	C12orf43 (2.5)	NDUFS3 (2.1)	CIAPIN1 (2.0)
DDB2 (3.9)	C16orf48 (3.5)	BAZ1B (3.0)	ACD (2.8)	NUDT21 (2.6)
XKR8 (2.5)	ARHGAP1 (2.3)	CD40 (2.1)	RAB11B (2.1)	ACP2 (2.1)
FADS2 (3.2)	TMED5 (2.9)	TMEM101 (2.5)	LIPG (2.1)	C1orf172 (2.0)
ENSG00000181296 (2	MPP2 (2.3)	OR5L2 (2.2)	GPIHBP1 (2.0)	MPP3 (1.9)
HNF1A (2.7)	FZD9 (2.6)	MAP1A (2.4)	NR0B2 (2.4)	CX3CL1 (2.3)
POLR2C (2.8)	PSMC3 (2.7)	CENPT (2.6)	C12orf43 (2.4)	C18orf32 (2.0)
DDB2 (2.6)	NOL3 (2.5)	NLRC5 (2.4)	TMEM208 (2.3)	ENSG00000229043 (2
ENSG00000254235 (2	C17orf57 (2.3)	PTPRZ1 (2.2)	ENSG00000223745 (2	PPY (1.9)
CCDC11 (2.2)	ABCA1 (2.1)	KANK2 (1.8)	AGBL2 (1.6)	MTF2 (1.6)
VEGFA (3.1)	ETV5 (2.5)	ENSG00000226334 (2	BACE1 (2.3)	MACF1 (2.2)
SFN (3.6)	TAGLN (3.3)	MACF1 (3.1)	DUSP3 (2.8)	FRMD5 (2.4)
OR5L2 (2.3)	C17orf105 (2.1)	OR4A1P (2.0)	DNAH10 (2.0)	AGBL2 (1.8)
KLF14 (2.3)	ZNF615 (2.3)	ENSG00000256746 (2	CATSPER2 (2.0)	C16orf70 (1.9)
BCAM (2.8)	PVRL2 (2.6)	C11orf49 (2.4)	ENSG00000181123 (2	TGM5 (2.1)
OR5J2 (1.9)	ENSG00000182109 (1	OASL (1.8)	ZNF613 (1.7)	C16orf86 (1.6)
SNX10 (2.5)	NEUROD2 (2.4)	TRNP1 (2.3)	C1QTNF4 (2.1)	MADD (2.1)
DDX28 (2.8)	EIF3J (2.6)	C7orf50 (2.4)	SLC7A6OS (2.4)	LCMT2 (2.3)
C1orf172 (2.1)	REEP3 (2.0)	ENSG00000182109 (2	PDHB (2.0)	OR5L2 (1.9)
GNAO1 (2.4)	C1QTNF4 (2.3)	C12orf43 (2.3)	SNX10 (2.2)	MYO5B (2.2)
PCSK7 (2.8)	TMEM101 (2.8)	SLC39A13 (2.7)	TMEM175 (2.6)	C7orf50 (2.5)
TGM7 (2.4)	PTPRZ1 (2.3)	ARID1A (2.2)	ATG13 (2.1)	FZD9 (1.9)
CTDSPL2 (4.2)	NUP160 (3.7)	C16orf48 (3.4)	ACD (3.0)	SKA1 (2.8)
TRNP1 (2.5)	SNX10 (2.4)	NEUROD2 (2.4)	MADD (2.1)	C11orf49 (2.1)
ACP2 (2.4)	LILRB2 (2.1)	ZDHHC18 (2.1)	NR1H3 (2.1)	PITPNM2 (2.0)
ABCA8 (2.5)	ETV5 (2.3)	CYP26A1 (2.2)	ENSG00000254235 (1	PITPNM2 (1.8)
PDE3A (2.2)	PITPNM2 (2.2)	ENSG00000181296 (2	MPP2 (2.0)	BMP8A (2.0)
TP53BP1 (4.2)	AGBL2 (4.1)	CCDC18 (3.5)	TMEM175 (3.3)	TSNAXIP1 (3.2)
DNAH10 (2.5)	ENSG00000229043 (2	ENSG00000254235 (2	KLF14 (2.2)	ENSG00000256746 (2
MTCH2 (3.4)	PTPMT1 (2.8)	OR5I1 (2.3)	TMEM208 (2.1)	C18orf32 (2.1)
PVRL2 (1.9)	C16orf86 (1.9)	AGBL2 (1.8)	RNF214 (1.7)	CYP26A1 (1.7)
MPP3 (2.6)	MADD (2.5)	KIAA0895L (2.3)	MAP1A (2.3)	TRNP1 (2.2)
MPP3 (2.6)	MADD (2.5)	KIAA0895L (2.3)	MAP1A (2.3)	TRNP1 (2.2)
GNAO1 (2.5)	DGKG (2.4)	NEUROD2 (2.4)	DOK4 (2.3)	CCDC92 (2.1)
PPIP5K1 (2.0)	OR4A1P (1.9)	CCDC116 (1.9)	MON1A (1.7)	NAGS (1.6)
SMPD3 (2.6)	CYP26A1 (2.5)	TGM5 (2.3)	SLC9A5 (2.2)	HSF4 (2.1)
TOMM40 (3.2)	GPN2 (3.1)	SLC7A6OS (3.0)	SNORD58C (2.9)	DDX28 (2.9)
RBM6 (2.4)	LCMT2 (2.4)	BUD13 (2.3)	BAZ1B (1.9)	NUP160 (1.9)
SEC14L4 (2.3)	PTPMT1 (2.0)	DCPS (2.0)	TRADD (1.9)	PRMT7 (1.9)
ZNF259 (2.4)	ZNF335 (2.4)	CCNDBP1 (2.3)	E2F4 (2.3)	C12orf65 (2.2)

ENSG00000256746 (3	LILRB2 (2.3)	C17orf57 (2.3)	PITPNM2 (2.3)	OR4A21P (2.2)
DOCK6 (2.2)	CBFB (2.0)	NFATC3 (2.0)	EXOC3L1 (1.9)	UBR1 (1.9)
ARFGAP2 (2.1)	LRRC29 (2.1)	TBKBP1 (2.0)	RBM6 (2.0)	KIAA0895L (2.0)
ARFGAP2 (2.1)	LRRC29 (2.1)	TBKBP1 (2.0)	RBM6 (2.0)	KIAA0895L (2.0)
ARFGAP2 (2.1)	LRRC29 (2.1)	TBKBP1 (2.0)	RBM6 (2.0)	KIAA0895L (2.0)
ARFGAP2 (2.1)	LRRC29 (2.1)	TBKBP1 (2.0)	RBM6 (2.0)	KIAA0895L (2.0)
PPIP5K1 (3.4)	MPP2 (3.2)	STRC (3.0)	MPP3 (2.9)	GNAO1 (2.6)
ARFGAP2 (2.6)	PAFAH1B2 (2.5)	DPEP3 (2.5)	CDK12 (2.4)	MTMR3 (2.4)
C11orf9 (2.8)	RSPO3 (2.7)	SLC39A13 (2.2)	C11orf49 (2.1)	OR4A1P (2.1)
ADAL (2.6)	PARD6A (2.6)	CENPT (2.6)	KCTD6 (2.5)	C16orf48 (2.5)
ACD (2.8)	DDB2 (2.6)	CXXC1 (2.5)	TMEM62 (2.4)	ZSCAN29 (2.4)
ENSG00000247867 (2	ZNF614 (1.8)	OR4A21P (1.6)	KIAA0895L (1.6)	PGS1 (1.5)
NCOA5 (2.3)	BUD13 (2.3)	LCMT2 (2.2)	UBE2L3 (1.9)	NUP160 (1.9)
HSF4 (2.4)	APOC4 (2.3)	PLG (2.1)	F2 (2.1)	LCAT (2.1)
SKA1 (2.1)	FAM192A (2.1)	CCNDBP1 (2.1)	CXXC1 (2.0)	TNKS (2.0)
DOK4 (2.6)	HNF1A (2.5)	UBE3B (2.5)	EXOC3L1 (2.4)	TCAP (2.0)
OR5L2 (1.7)	GALNT2 (1.7)	ZNF615 (1.7)	PLA2G15 (1.6)	C7orf50 (1.6)
OR5L2 (2.1)	C17orf105 (2.1)	OR4A1P (2.0)	DNAH10 (1.9)	PXK (1.9)
OR5L2 (2.1)	C17orf105 (2.1)	OR4A1P (2.0)	DNAH10 (1.9)	PXK (1.9)
C11orf9 (2.3)	CBFB (2.2)	NUDT21 (2.2)	CATSPER2 (2.1)	DR1 (2.1)
DDB2 (3.7)	NUP160 (3.5)	CTDSPL2 (3.5)	ACD (3.3)	MPHOSPH9 (2.9)
PRMT7 (2.8)	ADAL (2.5)	DDX28 (2.4)	NRBF2 (2.3)	MBD1 (2.1)
ABHD6 (2.9)	CELSR2 (2.7)	NEUROD2 (2.6)	MAP1A (2.6)	C11orf49 (2.2)
CATSPER2 (2.5)	DGKG (2.2)	CYP2W1 (2.2)	PTPRZ1 (2.1)	CELSR2 (2.0)
UBE2L3 (3.6)	TOMM40 (2.6)	DCPS (2.3)	KPNB1 (2.2)	PDIA3 (2.2)
KIAA0754 (2.1)	UBR1 (2.1)	GNAO1 (2.1)	KLHL8 (2.0)	PAFAH1B2 (1.9)
NUP160 (4.3)	DDB2 (3.7)	ACD (3.5)	C16orf48 (3.4)	NUP93 (3.2)
RLTPR (2.3)	NEUROD2 (2.2)	ACP2 (2.2)	MPP3 (2.0)	MLXIPL (2.0)
CTRL (2.2)	UBE2L3 (2.1)	HDAC5 (2.0)	MTMR3 (1.9)	CDK12 (1.6)
MYBPC3 (2.6)	FRMD5 (2.5)	ENSG00000181296 (2	PDE3A (2.2)	DOK4 (2.0)
ZNF259 (2.1)	ZNF614 (2.0)	KPNB1 (1.9)	FNBP4 (1.8)	NUP160 (1.6)
DUS2L (2.1)	SLC7A6 (2.0)	KIAA0754 (2.0)	KLHL8 (1.9)	PIGV (1.8)
NRBF2 (2.3)	C17orf105 (2.2)	KLHL8 (2.1)	C16orf86 (1.9)	ZNF350 (1.8)
KCTD19 (2.6)	AGBL2 (2.6)	SLC12A4 (2.2)	ABCB9 (2.2)	CASC4 (2.1)
MAP1A (2.7)	SLC12A4 (2.7)	ABCA8 (2.6)	BCAM (2.5)	KANK2 (2.4)
ZNF613 (2.3)	PAFAH1B2 (2.2)	STRC (2.0)	SBNO1 (2.0)	SNX13 (1.9)
FRMD5 (2.2)	JMJD1C (2.1)	ENSG00000254235 (2	TTBK2 (2.0)	NOL3 (1.9)
GPER (2.0)	KCTD19 (1.8)	SLC12A3 (1.8)	KLF14 (1.8)	TMEM175 (1.7)
DNAH10 (2.4)	TMEM175 (2.3)	BMP8A (2.2)	RSPO3 (2.2)	CYP26A1 (2.2)
GRB7 (2.1)	HNF4A (2.0)	FRMD5 (2.0)	TRNP1 (1.9)	PDE3A (1.7)
SPG11 (3.1)	MON1A (3.0)	OGFOD1 (3.0)	ENSG00000223745 (2	HERPUD1 (2.9)
SPG11 (3.1)	MON1A (3.0)	OGFOD1 (3.0)	ENSG00000223745 (2	HERPUD1 (2.9)
OR5I1 (2.0)	PGAP3 (2.0)	SDF2L1 (1.9)	SNORD58C (1.9)	REEP3 (1.8)
KIAA0895L (2.6)	C12orf43 (2.6)	COX19 (2.2)	ENSG00000181296 (2	PSKH1 (2.1)
TMED5 (1.9)	MPHOSPH9 (1.9)	ELMO3 (1.8)	KPNB1 (1.7)	PTPMT1 (1.7)
SFN (2.3)	IGF2R (2.0)	SLC9A5 (2.0)	LIPG (1.9)	B3GNT9 (1.8)
SPG11 (2.4)	PCSK7 (2.3)	C1orf172 (2.3)	MYO5B (2.3)	SNX13 (2.2)
ADAL (3.7)	HARBI1 (3.4)	LCMT2 (3.3)	PRMT7 (3.3)	MON1A (3.2)
COX19 (2.4)	RNF214 (2.2)	C12orf43 (1.8)	ZSCAN29 (1.8)	ENSG00000179523 (1
MAP1A (2.2)	NEUROD2 (2.2)	CX3CL1 (2.1)	TTBK2 (2.1)	TBKBP1 (2.1)

ARHGAP1 (2.3)	MACF1 (2.3)	PLEKHG4 (2.2)	C7orf50 (2.2)	AMFR (1.9)
RBPJ (2.5)	C17orf105 (2.5)	NOL3 (2.4)	DNAH10 (1.9)	SMPD3 (1.8)
NR1H3 (2.7)	ACP2 (2.7)	ENSG00000226334 (2	ETV5 (2.3)	TTBK2 (2.2)
ENSG00000181296 (2	MPP2 (2.4)	GPIHBP1 (2.4)	CCDC116 (2.2)	SLC9A5 (2.1)
DDB2 (2.5)	NUTF2 (2.3)	RELB (2.0)	CCDC92 (2.0)	TRADD (2.0)
ENSG00000181123 (3	C16orf48 (3.1)	BBS2 (2.9)	C11orf49 (2.8)	MST1R (2.5)
HNF1A (2.8)	MON1A (2.8)	ENSG00000247867 (2	PARD6A (2.3)	C12orf65 (2.3)
PNMT (2.6)	KCTD10 (2.4)	C12orf65 (2.3)	SOST (2.1)	TRIB1 (2.0)
APOC3 (2.5)	NR1H3 (2.3)	APOA1 (2.3)	TRADD (2.1)	PGAP3 (2.0)
CYP26A1 (2.2)	MST1R (2.1)	RSPO3 (1.9)	KIAA0754 (1.8)	ENSG00000255507 (1
NUTF2 (2.8)	UBE2L3 (1.9)	THAP11 (1.7)	ZNF614 (1.5)	ENSG00000223745 (1
SFN (2.0)	MPP2 (1.9)	ABHD6 (1.8)	FADS1 (1.7)	ESRP2 (1.7)
C16orf86 (2.9)	CCDC11 (2.9)	TGM7 (2.7)	OR5I1 (2.6)	OR5J2 (2.5)
DGKG (2.8)	MST1R (2.6)	PTPRZ1 (2.4)	GPER (2.3)	CATSPER2 (2.2)
PLA2G6 (2.8)	ZNF335 (2.6)	GPN2 (2.4)	DDX28 (2.3)	POLR2C (2.3)
ENSG00000181296 (2	OR4A21P (2.2)	TMEM62 (2.1)	ABHD6 (2.0)	MT1M (1.9)
CTDSPL2 (3.4)	CCDC18 (3.2)	SPG11 (2.9)	TUBGCP4 (2.7)	ZSCAN29 (2.6)
RBM6 (2.4)	BUD13 (2.3)	LCMT2 (2.2)	NUP160 (1.9)	BAZ1B (1.8)
TTBK2 (2.1)	TSNAXIP1 (1.9)	CMIP (1.9)	REEP3 (1.8)	CETP (1.8)
UBE2L3 (2.3)	DYM (2.1)	TTBK2 (2.1)	SNX13 (2.0)	ARFGAP2 (2.0)
PPY (2.2)	OR5I1 (2.0)	TMEM175 (2.0)	ENSG00000256746 (2	CASC4 (1.9)
OR5I1 (3.5)	OR5J2 (3.3)	HNF1A (2.7)	OR4A21P (2.6)	CD300LG (2.3)
OR5L2 (2.8)	C17orf57 (2.6)	ENSG00000236267 (2	PARD6A (2.5)	TTBK2 (2.5)
PACSIN3 (2.7)	RBM6 (2.2)	COQ9 (2.1)	ZNF615 (2.0)	PDE3A (1.8)
FHOD1 (2.5)	MADD (2.3)	RLTPR (2.3)	OR5I1 (2.3)	DGKG (2.2)
NUP160 (3.0)	WDR76 (2.9)	ACD (2.8)	MED1 (2.8)	C16orf48 (2.7)
TCAP (2.9)	PACSIN3 (2.6)	ERBB2 (2.6)	ENSG00000254235 (2	DOK4 (2.5)
SEC14L4 (2.3)	PDE3A (2.2)	DGKG (2.1)	ZNF613 (2.1)	ZNF350 (2.0)
RAB11B (2.8)	ADAL (2.7)	NRBF2 (2.4)	OR5J2 (2.4)	ZNF408 (2.3)
C17orf105 (3.0)	DNAH10 (2.7)	TGM5 (2.3)	TECTB (2.2)	TBL2 (1.9)
SLC7A6OS (2.3)	PSMC3 (2.2)	MPHOSPH9 (2.2)	DCPS (2.2)	UBE2L3 (2.0)
BAZ1B (4.2)	ACD (3.5)	NUP160 (3.1)	DDB2 (2.8)	CENPT (2.8)
KPNB1 (1.9)	OR4A21P (1.8)	ZNF259 (1.6)	CLPTM1 (1.6)	ZNF614 (1.4)
FRMD5 (2.0)	C11orf9 (2.0)	C17orf57 (1.7)	VEGFA (1.7)	ZNF664 (1.6)
PITPNM2 (2.7)	CELF1 (2.5)	GNAO1 (2.5)	CCDC92 (2.4)	KCTD10 (2.2)
RNF214 (2.3)	TMEM62 (2.2)	MYO1H (2.1)	ZSCAN29 (2.0)	C12orf43 (2.0)
KPNB1 (2.7)	DUS2L (2.2)	SIDT2 (1.9)	TOMM40 (1.9)	ZNF335 (1.9)
TSNAXIP1 (4.0)	TP53BP1 (3.1)	AGBL2 (2.8)	TMEM175 (2.8)	ENSG00000229043 (2
PPIP5K1 (2.8)	PPP1R1B (2.8)	RLTPR (2.7)	MPP3 (2.6)	APOE (2.4)
ELMO3 (3.7)	SFN (3.7)	OR5J2 (3.3)	C16orf70 (2.6)	CCDC11 (2.5)
PLEKHG4 (1.8)	TSNAXIP1 (1.8)	LCAT (1.7)	TTBK2 (1.5)	MPP2 (1.5)
DDB2 (2.5)	CENPT (2.2)	FEN1 (2.2)	C16orf48 (2.2)	STRC (2.1)
BCAM (3.5)	SFN (3.4)	PVRL2 (2.8)	ELMO3 (2.7)	LRRC29 (2.7)
ACP2 (2.0)	MPP3 (2.0)	PACSIN3 (1.8)	GFOD2 (1.8)	DUSP3 (1.7)
GALNT2 (1.9)	ACAA2 (1.9)	KCTD19 (1.8)	ENSG00000226334 (1	CCDC11 (1.5)
GALNT2 (1.9)	ACAA2 (1.9)	KCTD19 (1.8)	ENSG00000226334 (1	CCDC11 (1.5)
WDR76 (2.7)	NUDT21 (2.5)	CITED2 (2.3)	TUBGCP4 (1.9)	KLHL8 (1.9)
BACE1 (1.8)	PTPMT1 (1.8)	NEUROD2 (1.8)	RANBP10 (1.7)	ENSG00000226645 (1
PYY (2.2)	DDB2 (2.2)	CELF1 (2.1)	ZNF664 (2.0)	TTBK2 (1.9)
TTC39B (2.0)	PDE3A (2.0)	C11orf9 (1.9)	ABCA8 (1.7)	SOST (1.6)

LSM12 (2.3)	KLF14 (2.2)	ENSG00000255507 (2	PDE3A (1.9)	ZNF408 (1.8)
OR4A1P (2.1)	GALNT2 (2.0)	DNAH10 (1.9)	OR4A21P (1.9)	TGM7 (1.8)
APOE (2.3)	LCAT (2.2)	SDF2L1 (2.1)	ZNF335 (2.1)	OR4A1P (2.1)
FNBP4 (2.2)	PDIA3 (2.1)	ENSG00000247867 (2	ZNF259 (1.9)	ARFGAP2 (1.9)
LIPG (3.3)	PTPRZ1 (2.8)	GRB7 (2.8)	C1orf172 (2.7)	DOK4 (2.6)
WDR76 (3.0)	TUBGCP4 (2.9)	ZSCAN29 (2.9)	NR1H3 (2.7)	MBD1 (2.3)
SMPD3 (2.5)	CX3CL1 (2.1)	PTPRZ1 (1.9)	AGBL2 (1.8)	ABCB9 (1.7)
CCDC18 (4.0)	SPG11 (3.7)	DDB2 (3.4)	SKA1 (3.3)	C16orf48 (3.1)
ZNF259 (2.7)	MBD1 (2.6)	HARBI1 (2.6)	COX19 (2.2)	CCNDBP1 (2.1)
HSF4 (2.3)	RSPO3 (2.2)	ABCA8 (2.2)	PACSIN3 (2.1)	ENSG00000182109 (2
HSF4 (2.3)	RSPO3 (2.2)	ABCA8 (2.2)	PACSIN3 (2.1)	ENSG00000182109 (2
GNAO1 (2.5)	NEUROD2 (2.4)	RLTPR (2.4)	SNX10 (2.1)	MYO5B (2.0)
TGM5 (1.8)	OR5I1 (1.7)	ZNF615 (1.7)	DOK4 (1.5)	ENSG00000226334 (1
NEUROD2 (2.7)	MYO1H (2.5)	PYY (2.4)	ENSG00000229043 (2	LRRC29 (1.9)
SNX10 (2.4)	TRNP1 (2.3)	NEUROD2 (2.3)	CPNE2 (2.1)	C1QTNF4 (2.0)
BACE1 (2.5)	C11orf49 (2.5)	MADD (2.2)	SLC9A5 (2.1)	ABHD6 (1.9)
THAP11 (2.5)	UBE2L3 (2.5)	COX19 (2.1)	EIF3J (2.0)	KPNB1 (1.9)
MFAP1 (3.2)	DDB2 (3.2)	PARD6A (3.1)	LRRC29 (3.0)	NUP160 (2.6)
NEUROD2 (2.8)	RLTPR (2.8)	GNAO1 (2.6)	YDJC (2.3)	C11orf49 (2.3)
C1QTNF4 (2.5)	GNAO1 (2.4)	RLTPR (2.4)	BACE1 (2.3)	SMPD3 (2.3)
SLC9A5 (2.0)	LPA (1.9)	PTPRZ1 (1.8)	RSPO3 (1.8)	TUBGCP4 (1.8)
TUBGCP4 (3.8)	BAZ1B (3.8)	NUP93 (3.4)	DDB2 (3.1)	CKAP5 (3.0)
ABCB9 (2.7)	GNAO1 (2.6)	MAP1A (2.6)	DGKG (2.5)	RLTPR (2.3)
COQ9 (2.9)	MIEN1 (2.6)	TMEM208 (2.3)	TOMM40 (2.3)	MTCH2 (2.3)
TUBGCP4 (2.5)	DUSP3 (2.2)	NRBF2 (2.0)	ENSG00000255507 (1	UBE2L3 (1.9)
ELMO3 (2.2)	CPNE2 (2.2)	MYO5B (2.1)	PYY (2.0)	HNF1A (1.9)
MTCH2 (4.0)	PTPMT1 (3.2)	TMEM208 (2.9)	COX19 (2.3)	PPIP5K1 (2.3)
MTCH2 (4.0)	PTPMT1 (3.2)	TMEM208 (2.9)	COX19 (2.3)	PPIP5K1 (2.3)
MTCH2 (4.0)	PTPMT1 (3.2)	TMEM208 (2.9)	COX19 (2.3)	PPIP5K1 (2.3)
ZNF614 (2.3)	LILRA3 (1.9)	SLC7A6OS (1.9)	OR4A1P (1.8)	ENSG00000236267 (1
ADAL (2.4)	CXXC1 (2.4)	OR5J2 (2.2)	NCOA5 (2.0)	ZNF408 (2.0)
TGM7 (2.3)	C18orf32 (2.0)	KBTBD4 (1.9)	CENPT (1.9)	C11orf49 (1.9)
RSPO3 (2.5)	HSF4 (2.3)	SFN (2.0)	MST1R (2.0)	PACSIN3 (2.0)
FAM192A (2.4)	NUP93 (2.3)	PARD6A (2.2)	DGKG (2.1)	CCDC18 (2.0)
SNX10 (2.4)	TRNP1 (2.4)	NEUROD2 (2.1)	C1QTNF4 (2.1)	CPNE2 (2.0)
ARHGAP1 (2.7)	KCTD10 (2.4)	CITED2 (2.1)	PDIA3 (2.1)	KIAA0754 (2.1)
SIK3 (2.3)	LILRA3 (2.2)	MT1M (2.1)	MT1G (2.0)	ENSG00000247445 (2
ABCA8 (2.9)	BCAM (2.5)	MPP3 (2.5)	TTC39B (2.3)	NOL3 (2.2)
ENSG00000226334 (2	ENSG00000229043 (2	RSPO3 (2.2)	ETV5 (2.1)	OR5J2 (2.1)
C1orf172 (2.3)	RSPO3 (2.3)	ERBB2 (2.2)	PVRL2 (2.2)	GRB7 (2.2)
ZNF408 (2.3)	ZNF613 (2.2)	DPEP3 (2.1)	ZNF614 (2.0)	BMP8A (2.0)
TOMM40 (2.9)	GPN2 (2.8)	SBNO1 (2.6)	ZNF408 (2.6)	KCTD19 (2.4)
MTCH2 (2.6)	COX19 (2.6)	MIEN1 (2.3)	UBE3B (2.2)	OR5L2 (2.2)
DYM (2.3)	NPEPPS (2.3)	BCL7B (2.2)	OASL (2.1)	SIK3 (2.0)
RBM5 (2.2)	KANK2 (2.1)	KIAA0754 (2.0)	PSMC3 (1.9)	KPNB1 (1.8)
TMEM62 (2.1)	RAPSN (2.0)	SLC7A6 (1.8)	ENSG00000247445 (1	DGKG (1.8)
LSM12 (2.7)	UBE2L3 (2.5)	KIAA0895L (2.3)	MED1 (2.3)	DCPS (2.0)
FNBP4 (2.5)	TMED5 (2.4)	ENSG00000223745 (2	SNORD58C (2.2)	TOMM40 (2.1)
ENSG00000254235 (2	ENSG00000229043 (2	ZNF615 (2.3)	PYY (2.2)	TMEM175 (2.1)
ABCA8 (2.8)	BCAM (2.6)	MPP3 (2.5)	TTC39B (2.2)	NOL3 (2.1)

CCDC116 (2.3)	UVRAG (2.1)	SIDT2 (2.1)	SEC14L4 (1.9)	ZNF350 (1.8)
MYO5B (2.6)	ENSG00000181123 (2	COBLL1 (2.5)	DNAH10 (2.3)	SOST (2.2)
SLC12A4 (2.4)	ABCA8 (2.2)	DOK4 (1.9)	PLTP (1.8)	GPER (1.8)
GRB7 (3.7)	PCIF1 (3.2)	ETV5 (2.9)	FHOD1 (2.8)	JMJD1C (2.5)
LILRA3 (2.0)	GNAO1 (1.9)	ACP2 (1.8)	OR5I1 (1.7)	ENSG00000181296 (1
CENPT (3.3)	CKAP5 (3.0)	WDR76 (2.8)	BAZ1B (2.7)	SETD8 (2.7)
COQ9 (2.2)	C1orf172 (2.2)	EPB42 (2.1)	PDHB (2.1)	ACAA2 (2.0)
POLR2C (2.8)	CCNDBP1 (2.6)	BAZ1B (2.6)	BUD13 (2.6)	CTDSPL2 (2.5)
HARBI1 (2.1)	TUBGCP4 (2.1)	C11orf49 (1.9)	C16orf48 (1.9)	MBD1 (1.8)
C16orf48 (3.6)	NUP160 (3.3)	CTDSPL2 (3.2)	NUDT21 (2.7)	MFAP1 (2.5)
PTPMT1 (3.4)	MTCH2 (2.7)	PPIP5K1 (2.4)	C18orf32 (2.4)	ACAA2 (2.3)
SNX13 (2.1)	CELF1 (2.0)	LILRB2 (2.0)	OR5I1 (1.9)	OR4A1P (1.8)
PRMT7 (2.8)	EIF3J (2.7)	DUS2L (2.5)	C7orf50 (2.5)	YDJC (2.5)
ENSG00000223745 (2	OR5L2 (2.3)	ENSG00000229043 (2	PDE3A (2.1)	ZNF613 (1.9)
NUP160 (2.3)	NCOA5 (2.2)	BAZ1B (2.1)	BUD13 (1.8)	EIF3J (1.8)
TRADD (1.9)	ENSG00000255507 (1	C17orf105 (1.8)	C16orf86 (1.8)	PLA2G6 (1.7)
C16orf48 (4.4)	CTDSPL2 (4.0)	NUP160 (3.7)	ACD (3.3)	MFAP1 (2.9)
OR5I1 (2.4)	PITPNM2 (2.3)	OR4A1P (2.2)	TBKBP1 (2.1)	C1QTNF4 (2.0)
AGBL2 (2.4)	PXK (2.3)	LRRC29 (2.1)	AFF1 (2.1)	ENSG00000247867 (2
AGBL2 (2.4)	PXK (2.3)	LRRC29 (2.1)	AFF1 (2.1)	ENSG00000247867 (2
CCNDBP1 (2.4)	YDJC (2.3)	KLHL8 (2.2)	BUD13 (2.2)	SNORD58C (2.1)
ENSG00000226645 (2	NEUROD2 (2.0)	TP53BP1 (1.9)	ENSG00000226334 (1	ZNF614 (1.8)
RBM6 (2.4)	BUD13 (2.2)	C7orf50 (2.1)	KLHL8 (2.0)	SBNO1 (2.0)
SLC39A13 (2.6)	DUSP3 (2.5)	DOCK6 (2.4)	SFN (2.3)	MYO1H (2.2)
GPN2 (2.7)	ADAL (2.6)	NUP160 (2.6)	C16orf48 (2.6)	FEN1 (2.3)
BUD13 (2.0)	LCMT2 (1.9)	THAP11 (1.9)	ADAL (1.9)	DR1 (1.8)
C17orf57 (2.3)	ENSG00000181123 (2	KCTD10 (2.1)	COBLL1 (2.1)	ZNF350 (2.1)
FNBP4 (2.6)	ZNF614 (2.0)	ZNF259 (1.9)	ENSG00000247867 (1	KPNB1 (1.5)
MST1R (2.6)	EXOC3L1 (2.4)	ENSG00000229043 (2	HNF1A (2.0)	PPP1R1B (1.9)
UBE2L3 (2.2)	DYM (2.0)	C12orf43 (2.0)	COX19 (1.9)	FNBP4 (1.9)
UBE2L3 (2.2)	DYM (2.0)	C12orf43 (2.0)	COX19 (1.9)	FNBP4 (1.9)
MTCH2 (3.1)	PTPMT1 (3.1)	NDUFS3 (3.1)	PPIP5K1 (2.6)	CIAPIN1 (2.5)
MFAP1 (2.7)	RBM6 (2.7)	PCIF1 (2.6)	ZNF335 (2.6)	CTDSPL2 (2.6)
ZFAND2A (4.1)	TMED5 (3.1)	HERPUD1 (2.9)	TBL2 (2.8)	C18orf32 (2.8)
SLC9A5 (2.3)	ENSG00000181296 (2	GPIHBP1 (2.2)	OR5I1 (2.1)	MPP2 (2.1)
SLC9A5 (2.3)	ENSG00000181296 (2	GPIHBP1 (2.2)	OR5I1 (2.1)	MPP2 (2.1)
OR5I1 (2.5)	BMP8A (2.4)	MAP1A (2.2)	ENSG00000256746 (2	RAB11B (2.1)
ABCA1 (1.9)	ENSG00000247867 (1	SETD8 (1.6)	ENSG00000236267 (1	FNBP4 (1.4)
DNAH10 (2.6)	SOST (2.6)	DOK4 (2.3)	SMPD3 (2.2)	ENSG00000226334 (2
ABCB9 (2.4)	PTPMT1 (2.4)	C11orf49 (2.3)	BCL7B (2.2)	MPP3 (2.2)
ENSG00000255507 (2	GPER (2.4)	APOE (2.3)	NR0B2 (2.0)	PNMT (2.0)
C1QTNF4 (2.4)	CATSPER2 (2.3)	MPP2 (2.1)	GNAO1 (1.9)	C12orf43 (1.9)
KLHL8 (2.1)	CCDC92 (2.0)	PTPRZ1 (2.0)	PLEKHG4 (1.9)	PAFAH1B2 (1.8)
ENSG00000255507 (2	ZNF350 (2.2)	SEC14L4 (2.2)	ZNF408 (2.1)	UVRAG (2.1)
MACF1 (2.8)	SFN (2.5)	FHOD1 (2.4)	COBLL1 (2.3)	RBM5 (2.1)
BCAM (3.5)	SLC39A13 (3.2)	ESRP2 (3.1)	PVRL2 (3.0)	MYO5B (2.9)
C1QTNF4 (2.0)	YDJC (1.9)	ENSG00000182109 (1	PITPNM2 (1.8)	OR4A1P (1.8)
NEUROD2 (2.5)	SNX10 (2.5)	TRNP1 (2.4)	MADD (2.2)	C1QTNF4 (2.1)
FNBP4 (2.0)	UBE2L3 (2.0)	KPNB1 (1.6)	OR4A21P (1.5)	THAP11 (1.5)
NEUROD2 (2.5)	SNX10 (2.4)	TRNP1 (2.3)	MADD (2.1)	C1QTNF4 (2.1)

RSPO3 (2.3)	ENSG00000229043 (2	LRP4 (2.2)	ENSG00000226334 (2	ETV5 (2.0)
CTDSPL2 (4.1)	NUP160 (3.8)	C16orf48 (3.4)	BAZ1B (2.9)	ACD (2.8)
JMJD1C (1.7)	MTF2 (1.6)	BAZ1B (1.6)	CKAP5 (1.5)	NUDT21 (1.5)
MT1X (2.5)	CCDC116 (2.3)	MT1E (2.3)	PPIP5K1 (2.2)	DOK4 (2.2)
RBM6 (2.4)	NCOA5 (2.4)	LCMT2 (2.1)	NUP160 (2.0)	UBE2L3 (1.8)
HNF1A (2.7)	PSKH1 (2.7)	C17orf57 (2.6)	C12orf65 (2.5)	LRRC29 (2.5)
ENSG00000247867 (2	ZNF614 (1.8)	OR4A21P (1.8)	KIAA0895L (1.4)	PGS1 (1.4)
CENPT (2.1)	C7orf50 (2.1)	PARD6A (2.1)	ACD (2.0)	FEN1 (1.9)
TRPS1 (2.7)	CDK12 (2.6)	ENSG00000229043 (2	PGAP3 (2.2)	FBXL20 (2.1)
PNMT (2.5)	PDE3A (2.5)	NOL3 (2.4)	C17orf57 (2.1)	HSF4 (2.1)
RLTPR (2.4)	C11orf49 (2.4)	GNAO1 (2.2)	MYO5B (2.1)	SNX10 (2.1)
ENSG00000255507 (2	ENSG00000179523 (2	PDE3A (2.1)	PLTP (2.1)	DPEP3 (2.0)
KCTD6 (1.9)	PYY (1.8)	PLTP (1.7)	PDE3A (1.7)	MYO5B (1.5)
TTBK2 (2.2)	MACF1 (2.0)	ETV5 (2.0)	BACE1 (1.9)	SPG11 (1.9)
C17orf105 (3.0)	CCDC18 (3.0)	CKAP5 (2.9)	CASC4 (2.5)	SETD8 (2.3)
KCTD19 (2.4)	RAPSN (2.3)	KLF14 (2.3)	DNAH10 (2.2)	C17orf57 (2.2)
SLC9A5 (2.6)	POLR2C (2.4)	GNAO1 (2.4)	PLEKHG4 (2.3)	CX3CL1 (2.3)
ENSG00000255507 (2	ENSG00000181296 (2	CCDC116 (2.1)	C1QTNF4 (2.1)	ZNF615 (2.1)
GPN2 (3.1)	TOMM40 (3.1)	SLC7A6OS (3.0)	C12orf43 (3.0)	DDX28 (2.9)
PYY (2.1)	ZNF615 (2.1)	ENSG00000181123 (1	ST3GAL4 (1.9)	ENSG00000181296 (1
ESRP2 (2.7)	CCDC92 (2.7)	MYO5B (2.6)	COBLL1 (2.5)	ZNF664 (2.4)
REEP3 (2.4)	SMPD3 (2.4)	PDHB (2.3)	C1orf172 (2.1)	CATSPER2 (1.9)
TMED5 (2.8)	KPNB1 (2.5)	ZNF335 (2.5)	ENSG00000223745 (2	MON1A (2.3)
THAP11 (2.4)	KANK2 (2.2)	SETD8 (2.0)	AMFR (2.0)	CELF1 (2.0)
ZNF664 (2.1)	THAP11 (2.0)	BBS2 (2.0)	B3GNT9 (1.9)	PLEKHG4 (1.9)
OR5I1 (2.3)	PITPNM2 (2.2)	PPY (2.1)	PYY (2.1)	ENSG00000226334 (2
JMJD1C (2.3)	RBM6 (2.2)	MADD (2.1)	GPAM (2.1)	EYA3 (2.0)
KLHL8 (2.3)	PARD6A (2.2)	ENSG00000182109 (2	C16orf48 (2.0)	TSNAXIP1 (2.0)
AMFR (2.5)	ENSG00000226645 (2	THAP11 (2.2)	ZNF259 (2.1)	NUDT21 (2.1)
ENSG00000247867 (2	OR4A21P (1.8)	ZNF614 (1.7)	COX19 (1.4)	PGS1 (1.4)
REEP3 (2.9)	DNAH10 (2.8)	MON1A (2.3)	BMP8A (2.2)	AGBL2 (2.1)
TMEM101 (2.5)	CCDC11 (2.5)	ABHD6 (2.4)	AGBL2 (2.3)	KCTD6 (2.2)
NEUROD2 (2.4)	SNX10 (2.4)	TRNP1 (2.3)	MADD (2.1)	C11orf49 (2.0)
RBM5 (1.9)	TOMM40 (1.9)	CCNDBP1 (1.9)	NDUFS3 (1.8)	TAGLN (1.8)
MFAP1 (3.2)	INTS10 (3.1)	C7orf50 (2.9)	WDR76 (2.5)	NUDT21 (2.5)
SPI1 (3.0)	ENSG00000247867 (2	LILRB2 (2.2)	OR4A21P (2.1)	CSGALNACT1 (2.0)
MYBPC3 (3.9)	NOL3 (2.3)	MACF1 (2.1)	BCAM (2.0)	PNMT (1.9)
NEUROD2 (2.6)	SNX10 (2.4)	TRNP1 (2.4)	MADD (2.2)	C11orf49 (2.0)
PNMT (2.3)	APOA4 (2.1)	MT1F (2.1)	MT1M (2.0)	MT1X (1.9)
PDE3A (2.9)	CYP26A1 (2.7)	PACSIN3 (2.6)	DOK4 (2.6)	SOST (2.3)
CELF1 (3.1)	ARFGAP2 (2.4)	NUDT21 (2.2)	SLC7A6 (2.1)	NUP93 (2.1)
OR5J2 (2.9)	CCDC11 (2.7)	ENSG00000254235 (2	PACSIN3 (2.6)	ENSG00000255507 (2
ENSG00000236267 (2	KLF14 (2.2)	ENSG00000229043 (2	ENSG00000223745 (2	FZD9 (2.0)
LCAT (2.3)	PPIP5K1 (2.3)	KANK2 (2.2)	ZNF335 (2.1)	CD300LG (2.0)
KCTD6 (1.9)	ENSG00000256746 (1	AGBL2 (1.7)	C16orf86 (1.7)	CYP26A1 (1.7)
PIGV (3.2)	SIDT2 (2.5)	TTC39B (2.4)	SEC14L4 (2.4)	AMFR (2.2)
DDX28 (3.0)	FNBP4 (2.9)	MED1 (2.9)	KBTBD4 (2.7)	SLC7A6OS (2.7)
NEUROD2 (2.5)	SNX10 (2.3)	MADD (2.2)	TRNP1 (2.2)	C1QTNF4 (2.0)
RLTPR (2.4)	TBKBP1 (2.3)	MADD (2.3)	CYP2W1 (2.2)	EXOC3L1 (2.1)
TTBK2 (2.6)	C11orf9 (2.2)	PTPRZ1 (2.1)	MYO5B (2.1)	COBLL1 (2.1)

DPEP2 (2.6)	ENSG00000179523 (2	KCTD19 (2.1)	CCDC11 (2.0)	CYP2W1 (1.9)
ERBB2 (2.6)	PACSIN3 (2.3)	TCAP (2.1)	LRRC29 (2.1)	C11orf9 (2.1)
TSNAXIP1 (2.3)	KCTD6 (2.2)	NAGS (2.2)	C16orf86 (2.1)	ERBB2 (2.0)
RSPRY1 (2.3)	KCTD6 (2.2)	OR4A21P (2.1)	DGKG (1.9)	ENSG00000247867 (1
MACF1 (2.9)	SFN (2.8)	COBLL1 (2.4)	ARHGAP1 (2.4)	FHOD1 (2.2)
MON1A (2.3)	PXK (2.0)	C12orf43 (1.9)	PIGV (1.9)	NRBF2 (1.7)
ENSG00000256746 (2	RAB11B (2.7)	THAP11 (2.6)	ZNF408 (2.3)	NRBF2 (2.2)
CPNE2 (2.0)	PPP1R1B (1.9)	NEUROD2 (1.9)	LCAT (1.8)	TMEM175 (1.8)
ENSG00000181296 (2	OR5L2 (2.4)	GPIHBP1 (2.2)	SLC9A5 (2.0)	ENSG00000182109 (2
ZNF350 (1.8)	KANK2 (1.7)	DYM (1.6)	GFOD2 (1.6)	SNORD58C (1.5)
FNBP4 (2.1)	UBE2L3 (1.9)	THAP11 (1.6)	ENSG00000247867 (1	OR4A21P (1.4)
FNBP4 (2.1)	UBE2L3 (1.9)	THAP11 (1.6)	ENSG00000247867 (1	OR4A21P (1.4)
MPP3 (2.0)	HNF1A (1.8)	EXOC3L1 (1.6)	FZD9 (1.6)	ELMO3 (1.6)
PNMT (2.1)	C1QTNF4 (1.8)	CYP26A1 (1.8)	DPEP2 (1.7)	ENSG00000181123 (1
NEUROD2 (2.7)	GNAO1 (2.5)	RLTPR (2.4)	SNX10 (2.3)	MYO5B (2.2)
HSF4 (2.3)	NOL3 (2.1)	OR4A21P (2.0)	OR4A1P (1.8)	TSNAXIP1 (1.8)
OR5J2 (2.4)	CSGALNACT1 (2.2)	LRP4 (2.1)	RNF214 (2.1)	TMEM101 (2.0)
BAZ1B (3.5)	CTDSPL2 (3.4)	SKA1 (3.0)	MTF2 (2.9)	ACD (2.7)
SNX10 (2.4)	TRNP1 (2.4)	NEUROD2 (2.3)	MADD (2.2)	C1QTNF4 (2.1)
TAGLN (2.4)	SOST (2.2)	DOK4 (2.2)	FZD9 (2.1)	SLC7A6 (2.1)
ARHGAP1 (2.1)	KCTD10 (1.9)	C17orf105 (1.9)	SPRYD5 (1.7)	MT1X (1.7)
ENSG00000182109 (2	NLRC5 (2.8)	MYO1H (2.6)	XKR8 (2.4)	DYM (2.2)
DDB2 (2.8)	CENPT (2.7)	BAZ1B (2.5)	SKA1 (2.5)	MPHOSPH9 (2.4)
OR4A21P (2.2)	RSPO3 (2.0)	C1QTNF4 (1.9)	MACF1 (1.9)	RNF214 (1.9)
KCTD6 (2.0)	ABCA8 (2.0)	JMJD1C (2.0)	RAPSN (1.7)	KLF14 (1.7)
ADAL (1.8)	PYY (1.8)	ENSG00000226645 (1	SMPD3 (1.5)	ENSG00000179523 (1
RSPO3 (2.2)	MPP3 (2.0)	BMP8A (1.9)	TTC39B (1.9)	MLXIPL (1.8)
FEN1 (2.5)	MTF2 (2.4)	PYY (2.3)	ENSG00000247867 (2	NUP160 (2.2)
NR1H3 (3.1)	RLTPR (2.9)	APOC1 (2.9)	MAP1A (2.7)	HSF4 (2.3)
RBM5 (2.4)	FBXL20 (2.2)	FNBP4 (2.1)	RBPJ (2.1)	CCDC11 (2.0)
ZSCAN29 (2.3)	ERBB2 (2.3)	CELSR2 (2.2)	CASC4 (2.1)	TSNAXIP1 (2.1)
FAM192A (2.2)	CIAPIN1 (2.2)	B3GNT9 (2.1)	TBKBP1 (2.0)	HSF4 (2.0)
GPIHBP1 (2.3)	MPP3 (2.2)	SLC9A5 (2.1)	ENSG00000182109 (2	MPP2 (2.1)
ENSG00000247867 (1	C17orf57 (1.8)	MYO5B (1.8)	MPP2 (1.7)	CCDC11 (1.6)
ENSG00000254235 (2	ABCB9 (2.3)	ABHD6 (2.3)	CELSR2 (2.3)	ENSG00000236267 (2
TMED5 (1.7)	DDB2 (1.6)	KCTD6 (1.5)	ZNF350 (1.5)	EPB42 (1.5)
TRNP1 (2.5)	MYO5B (2.4)	SNX10 (2.4)	NEUROD2 (2.2)	GNAO1 (2.0)
CPNE2 (2.3)	MPP2 (2.3)	TP53BP1 (2.2)	RBM6 (2.1)	TCAP (2.1)
PLTP (2.5)	TNKS (2.3)	SLC12A4 (2.2)	CTDSPL2 (2.2)	RBM5 (2.2)
MON1A (3.0)	GFOD2 (3.0)	TMEM62 (2.9)	ABHD6 (2.7)	KLHL8 (2.1)
PGAP3 (2.1)	SIDT2 (2.1)	NAGS (2.0)	CCDC116 (1.8)	GFOD2 (1.8)
PSMC3 (2.9)	ZNF259 (2.8)	HARBI1 (2.8)	UBE2L3 (2.7)	KPNB1 (2.5)
FNBP4 (3.0)	MFAP1 (2.9)	MED1 (2.8)	ZNF408 (2.8)	KBTBD4 (2.8)
TRNP1 (2.5)	NEUROD2 (2.5)	SNX10 (2.4)	MADD (2.1)	C1QTNF4 (2.1)
ENSG00000181296 (2	PNMT (2.2)	OR4A21P (1.8)	ZSCAN29 (1.8)	DUS2L (1.7)
BAZ1B (2.9)	LCMT2 (2.8)	TUBGCP4 (2.7)	CCDC11 (2.6)	SPG11 (2.5)
BAZ1B (2.9)	LCMT2 (2.8)	TUBGCP4 (2.7)	CCDC11 (2.6)	SPG11 (2.5)
DPEP3 (2.3)	TRNP1 (2.1)	ENSG00000181296 (2	ENSG00000182109 (2	LRRC29 (2.0)
KIAA0754 (2.9)	CES4A (2.8)	ZSCAN29 (2.7)	NCOA5 (2.7)	RBM5 (2.7)
ENSG00000181296 (2	PNMT (1.9)	OR4A1P (1.8)	ENSG00000255507 (1	TSNAXIP1 (1.8)

CYP26A1 (2.4)	CX3CL1 (2.3)	SFN (1.9)	PACSIN3 (1.8)	G6PC3 (1.8)
ENSG00000236267 (2	PYY (1.9)	OR4A21P (1.6)	SMPD3 (1.6)	KLF14 (1.6)
ZSCAN29 (3.0)	WDR76 (3.0)	OR5J2 (2.8)	PPY (2.7)	CATSPER2 (2.3)
FAM192A (2.5)	ADAL (2.5)	CTDSPL2 (2.4)	ENSG00000256746 (2	ZSCAN29 (2.3)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
PSMC3 (3.1)	TMEM208 (2.7)	MIEN1 (2.6)	MTCH2 (2.6)	COX19 (2.5)
C7orf50 (2.4)	GFOD2 (2.3)	ENSG00000226645 (2	C12orf43 (2.1)	AMBRA1 (1.8)
KPNB1 (2.6)	EIF3J (2.5)	PRMT7 (2.4)	NUTF2 (2.4)	C7orf50 (2.4)
EIF3J (2.7)	SNORD58C (2.6)	NUTF2 (2.6)	MIEN1 (2.4)	DUS2L (2.2)
RLTPR (2.4)	MYO5B (2.4)	PLEKHG4 (2.1)	CD300LG (2.0)	TGM7 (1.9)
CITED2 (2.1)	ENSG00000247445 (2	MPP3 (2.0)	KCTD10 (2.0)	SNORD58C (2.0)
SLC39A13 (3.4)	ABCA8 (2.8)	SLC12A4 (2.6)	DPEP2 (2.6)	KANK2 (2.5)
BACE1 (2.7)	C1QTNF4 (2.5)	ARHGAP1 (2.5)	GNAO1 (2.4)	CLPTM1 (2.4)
MTF2 (2.4)	TNKS (2.3)	C12orf65 (2.1)	ZNF613 (2.1)	INTS10 (1.9)
SPG11 (2.0)	LIPG (1.9)	CASC4 (1.9)	PPP1R1B (1.9)	TRPS1 (1.8)
C16orf70 (2.1)	GFOD2 (2.1)	C11orf49 (2.0)	TSNAXIP1 (1.9)	PYY (1.7)
ENSG00000223745 (2	MON1A (2.4)	NAGS (2.3)	CCDC116 (2.3)	PACSIN3 (2.1)
NUTF2 (2.2)	ENSG00000247867 (2	OR4A21P (2.0)	FNBP4 (1.6)	ENSG00000236267 (1
WDR76 (3.1)	RANBP10 (2.8)	MFAP1 (2.7)	UBR1 (2.7)	UBE3B (2.6)
OR4A21P (2.2)	XKR8 (1.9)	ENSG00000223745 (1	KLF14 (1.7)	ETV5 (1.7)
ZSCAN29 (2.9)	ZNF615 (2.7)	ZNF613 (2.2)	OR4A1P (2.1)	B3GNT9 (2.0)
C18orf32 (2.6)	ABHD6 (2.5)	ZNF350 (2.3)	CIAPIN1 (2.1)	ENSG00000223745 (2
MAP1A (2.2)	KPNB1 (2.1)	ZNF259 (2.0)	CCNDBP1 (2.0)	SNORD58C (1.9)
BCL7B (2.5)	DR1 (2.4)	GFOD2 (2.4)	ZNF664 (2.4)	KLHL8 (2.3)
KLF14 (2.2)	ZNF408 (2.1)	LSM12 (2.1)	PDE3A (1.7)	ARFGAP2 (1.7)
ENSG00000181123 (2	KIAA0895L (2.5)	SPG11 (2.4)	FHOD1 (2.3)	SLC9A5 (2.3)
C7orf50 (2.8)	PRMT7 (2.6)	YDJC (2.4)	C12orf43 (2.4)	DDX28 (2.4)
ZNF335 (2.2)	MON1A (2.0)	ARID1A (1.9)	DCPS (1.9)	C16orf48 (1.8)
INTS10 (2.2)	PNMT (1.9)	NFATC3 (1.9)	CELF1 (1.9)	CSGALNACT1 (1.8)
TRNP1 (2.3)	PCSK7 (2.3)	MYO5B (2.0)	MYO1H (2.0)	C11orf9 (2.0)
KPNB1 (2.5)	RBM6 (2.4)	ENSG00000226645 (2	TOMM40 (2.3)	UBE2L3 (2.2)
CTDSPL2 (3.4)	CCDC18 (3.3)	SPG11 (2.7)	ZSCAN29 (2.7)	PPIP5K1 (2.6)
ETV5 (2.3)	ZNF614 (2.0)	TRPS1 (2.0)	DOK4 (1.9)	OR5J2 (1.9)
SOST (1.9)	SPRYD5 (1.9)	SMPD3 (1.8)	CTDSPL2 (1.7)	BUD13 (1.7)
DOK4 (3.0)	PACSIN3 (2.6)	TCAP (2.2)	PDE3A (2.1)	LRRC29 (2.0)
CELSR2 (2.1)	ENSG00000247867 (2	REEP3 (2.0)	LRP4 (1.9)	GPER (1.7)
SOST (1.9)	TTBK2 (1.9)	OR5J2 (1.9)	DR1 (1.8)	CTDSPL2 (1.6)
TAGLN (2.2)	PVRL2 (2.1)	ESRP2 (2.1)	SIDT2 (2.1)	SFN (2.0)
ENSG00000181123 (2	TGM5 (2.3)	TRPS1 (2.2)	SLC7A6 (2.1)	C12orf65 (2.1)
CASC4 (2.0)	C11orf49 (2.0)	RNF214 (1.9)	ACD (1.7)	GNAO1 (1.7)
TRNP1 (2.4)	NEUROD2 (2.4)	SNX10 (2.4)	MADD (2.1)	C1QTNF4 (2.0)
TGM5 (2.1)	FZD9 (2.1)	RSPO3 (2.0)	PTPRZ1 (1.9)	TMEM175 (1.8)
OR5I1 (2.4)	HNF1A (2.3)	CES4A (2.2)	OR5L2 (2.0)	TSNAXIP1 (1.9)
SNORD58C (2.5)	ZNF408 (2.3)	SBNO1 (1.9)	COX19 (1.8)	PCIF1 (1.8)
SNORD58C (2.5)	ZNF408 (2.3)	SBNO1 (1.9)	COX19 (1.8)	PCIF1 (1.8)
C16orf86 (3.1)	MTCH2 (3.0)	NDUFS3 (2.8)	PPIP5K1 (2.5)	CIAPIN1 (2.5)

PTPRZ1 (2.2)	ENSG00000181296 (2	GNAO1 (2.0)	OR5I1 (1.9)	MAP1A (1.7)
PTPRZ1 (2.2)	ENSG00000181296 (2	GNAO1 (2.0)	OR5I1 (1.9)	MAP1A (1.7)
AFF1 (3.1)	NFATC3 (3.1)	EPB42 (2.8)	TNKS (2.6)	RSPRY1 (2.6)
ENSG00000256746 (2	PACSIN3 (2.4)	ENSG00000229043 (2	SOST (2.4)	RNF214 (2.2)
CCDC18 (2.4)	DCPS (2.4)	C18orf32 (2.3)	FEN1 (2.0)	WDR76 (2.0)
CCDC18 (2.4)	DCPS (2.4)	C18orf32 (2.3)	FEN1 (2.0)	WDR76 (2.0)
DGKG (2.7)	PYY (2.4)	MPP3 (2.3)	C11orf9 (2.3)	CELSR2 (2.2)
CELSR2 (2.4)	ENSG00000229043 (2	ERBB2 (2.1)	CITED2 (2.1)	ABCB9 (2.0)
SLC39A13 (2.5)	TAGLN (2.2)	KLF14 (2.2)	ENSG00000255507 (2	GPER (1.9)
NEUROD2 (2.5)	GNAO1 (2.5)	SNX10 (2.3)	RLTPR (2.0)	MADD (2.0)
ENSG00000236267 (2	ENSG00000226334 (2	ZNF615 (1.8)	CCDC11 (1.8)	FZD9 (1.7)
ERBB2 (2.1)	MYO1H (2.1)	ENSG00000236267 (1	ZNF613 (1.8)	C16orf86 (1.8)
PACSIN3 (2.4)	HSF4 (2.3)	ABCA8 (2.3)	CYP26A1 (2.2)	MST1R (2.0)
C1QTNF4 (2.6)	GPER (2.5)	PNMT (2.5)	MPP2 (2.3)	GNAO1 (2.1)
C12orf43 (1.9)	FNBP4 (1.9)	UBE2L3 (1.7)	ZNF259 (1.7)	OR4A21P (1.6)
ENSG00000247867 (2	OR4A21P (1.7)	ENSG00000236267 (1	ZNF614 (1.5)	PGS1 (1.4)
GFOD2 (2.9)	REEP3 (2.9)	MON1A (2.8)	ABHD6 (2.5)	KLHL8 (2.2)
TGM7 (2.5)	ABCB9 (2.3)	TMEM101 (2.2)	CYP2W1 (2.2)	ABCA8 (2.1)
SPRYD5 (3.0)	PITPNM2 (2.7)	LILRB2 (2.5)	TGM5 (2.3)	OR4A21P (2.3)
ZFAND2A (2.1)	HARBI1 (2.1)	PIGV (2.0)	PXK (1.9)	C12orf43 (1.8)
MYO5B (3.1)	FRMD5 (3.0)	C11orf9 (2.9)	ENSG00000256746 (2	ENSG00000181296 (2
OR4A21P (2.1)	KIAA0895L (1.9)	NUTF2 (1.8)	ZNF614 (1.7)	TSNAXIP1 (1.6)
WDR76 (2.9)	NUP160 (2.6)	DCPS (2.6)	ZNF259 (2.6)	TUBGCP4 (2.2)
PTPMT1 (3.5)	MTCH2 (3.1)	PPIP5K1 (2.8)	CIAPIN1 (2.8)	ACAA2 (2.8)
ERBB2 (2.2)	KCTD6 (2.2)	NAGS (2.1)	CASC4 (2.0)	ZNF664 (2.0)
CYP26A1 (2.3)	ABCA8 (2.3)	PACSIN3 (2.3)	HSF4 (2.1)	SFN (1.9)
TRNP1 (2.5)	MYO5B (2.5)	PITPNM2 (2.5)	C1QTNF4 (2.4)	GNAO1 (2.4)
ENSG00000247867 (2	ENSG00000254235 (2	LRRC29 (2.5)	ESRP2 (2.4)	ZNF664 (2.4)
BACE1 (2.2)	SPRYD5 (2.0)	EXOC3L1 (2.0)	TP53BP1 (2.0)	YDJC (1.9)
ENSG00000236267 (2	OR5L2 (2.2)	ENSG00000256746 (2	KCTD6 (2.1)	RSPO3 (2.1)
PITPNM2 (2.2)	GPIHBP1 (2.1)	CCDC116 (2.1)	MPP3 (2.0)	ENSG00000181296 (1
ADAL (2.2)	RBM6 (2.0)	TP53BP1 (2.0)	CDK12 (1.9)	RBM5 (1.9)
TRADD (2.0)	C12orf65 (2.0)	CCDC11 (2.0)	PLA2G15 (1.9)	ARHGAP1 (1.8)
PDHB (2.2)	EPB42 (2.2)	C1orf172 (2.1)	PGAP3 (2.1)	HNF1A (2.1)
CCDC92 (2.2)	TMEM175 (2.2)	C12orf43 (2.1)	DPEP2 (2.0)	OR4A21P (2.0)
FRMD5 (2.6)	TNKS (2.3)	MPHOSPH9 (2.2)	C17orf57 (2.1)	C11orf49 (2.0)
C1QTNF4 (2.6)	LRP4 (2.4)	PPP1R1B (2.4)	SNX13 (2.4)	SMPD3 (2.3)
MACF1 (2.3)	TTC39B (2.2)	PTPRZ1 (2.2)	MADD (2.0)	LRP4 (2.0)
B3GNT9 (2.6)	MYBPC3 (2.5)	DUSP3 (2.3)	C1QTNF4 (2.2)	ARHGAP1 (2.2)
CTDSPL2 (3.5)	DDB2 (3.0)	MFAP1 (2.7)	MPHOSPH9 (2.4)	NUP93 (2.2)
MPP3 (2.4)	FZD9 (2.4)	LIPG (2.0)	PLEKHG4 (2.0)	SLC9A5 (1.9)
NR1H3 (2.1)	TGM5 (2.0)	SEC14L4 (1.9)	COX19 (1.9)	ZNF259 (1.8)
NR1H3 (2.1)	TGM5 (2.0)	SEC14L4 (1.9)	COX19 (1.9)	ZNF259 (1.8)
GPR146 (2.1)	ENSG00000181296 (2	ST3GAL4 (2.0)	TECTB (2.0)	HCAR1 (1.9)
GPR146 (2.1)	ENSG00000181296 (2	ST3GAL4 (2.0)	TECTB (2.0)	HCAR1 (1.9)
MACF1 (2.7)	SFN (2.7)	FHOD1 (2.3)	COBLL1 (2.2)	ARHGAP1 (2.1)
MTCH2 (2.5)	EYA3 (2.5)	RELB (2.3)	KLHL8 (2.1)	GPN2 (2.0)
ENSG00000229043 (2	LRRC29 (2.8)	ENSG00000182109 (2	OR5J2 (2.4)	MIEN1 (2.4)
TRNP1 (2.5)	SNX10 (2.4)	MYO5B (2.4)	NEUROD2 (2.2)	BACE1 (2.1)
ABCB9 (1.9)	MT1E (1.9)	TGM7 (1.9)	DPEP3 (1.9)	KLF14 (1.8)

ENSG00000181296 (2	ZNF664 (2.1)	KCTD6 (2.1)	ERBB2 (1.9)	PLEKHG4 (1.9)
ENSG00000181296 (2	ZNF664 (2.1)	KCTD6 (2.1)	ERBB2 (1.9)	PLEKHG4 (1.9)
LILRB2 (2.3)	ZNF335 (2.2)	ZSCAN29 (2.1)	SPI1 (2.0)	PCSK7 (2.0)
GLUL (2.2)	ETV5 (2.1)	GPAM (1.9)	CES4A (1.9)	ADAL (1.8)
C17orf105 (2.4)	MPP2 (2.0)	ENSG00000236267 (1	PITPNM2 (1.9)	PYY (1.7)
GRB7 (2.2)	PSKH1 (2.1)	TGM5 (2.1)	TSNAXIP1 (2.0)	MYO5B (2.0)
FNBP4 (2.1)	UBE2L3 (2.0)	KPNB1 (1.8)	THAP11 (1.8)	OR4A21P (1.8)
PGAP3 (2.1)	ZNF615 (2.0)	ENSG00000255507 (2	CCDC11 (1.9)	HSF4 (1.9)
CD40 (2.4)	CCL17 (2.4)	XKR8 (2.4)	PTPRJ (1.9)	ZNF350 (1.8)
PLA2G6 (2.0)	C17orf105 (2.0)	CASC4 (2.0)	REEP3 (1.9)	KLHL8 (1.8)
ABCA8 (2.3)	TRPS1 (2.2)	MTMR3 (2.2)	NR0B2 (2.2)	RNF214 (2.0)
RLTPR (2.7)	MADD (2.6)	BACE1 (2.5)	C1QTNF4 (2.4)	TRNP1 (2.3)
ARFGAP2 (1.9)	ENSG00000223745 (1	TOMM40 (1.8)	NUTF2 (1.8)	ZNF335 (1.7)
KCTD6 (1.7)	ADAL (1.6)	PLEKHG4 (1.6)	PDE3A (1.6)	ENSG00000182109 (1
ENSG00000226334 (2	ZNF259 (2.0)	FNBP4 (2.0)	DYM (1.9)	NUDT21 (1.9)
PAFAH1B2 (1.9)	OR5I1 (1.8)	DDB2 (1.8)	CTDSPL2 (1.7)	OR5L2 (1.7)
PACSIN3 (3.4)	SFN (3.1)	MACF1 (2.9)	DUSP3 (2.9)	MAP1A (2.6)
DUSP3 (2.6)	DOK4 (2.6)	GPIHBP1 (2.5)	CCDC92 (2.2)	UBE2L3 (2.2)
SKA1 (4.0)	DDB2 (3.0)	CTDSPL2 (3.0)	C16orf48 (2.9)	DEPDC1 (2.9)
CES4A (2.3)	ENSG00000181296 (2	B3GNT9 (2.3)	PARD6A (1.9)	CATSPER2 (1.8)
C1orf172 (2.4)	PGAP3 (2.1)	ACAA2 (2.1)	ENSG00000182109 (2	PDHB (2.0)
MYO5B (2.5)	HNF1A (2.4)	ENSG00000247867 (2	ERBB2 (2.3)	LRP4 (2.3)
C16orf48 (2.8)	CTDSPL2 (2.7)	WDR76 (2.6)	CASC4 (2.6)	MBD1 (2.5)
C16orf48 (2.8)	CTDSPL2 (2.7)	WDR76 (2.6)	CASC4 (2.6)	MBD1 (2.5)
OR5I1 (2.2)	ENSG00000236267 (2	COX19 (2.0)	DPEP2 (1.9)	MYO1H (1.8)
MPP2 (2.5)	ENSG00000181296 (2	GPIHBP1 (2.3)	SLC9A5 (2.1)	CCDC116 (2.0)
C11orf49 (2.4)	ZDHHC18 (2.3)	BACE1 (2.2)	SNX10 (2.2)	GNAO1 (2.1)
MAP1A (1.9)	KCTD10 (1.9)	RSPO3 (1.9)	TGM7 (1.9)	ARHGAP1 (1.8)
OR5I1 (2.5)	STRC (2.4)	CYP26A1 (2.3)	PTPRZ1 (2.3)	KCTD6 (2.2)
OR5J2 (2.3)	KCTD6 (2.2)	CYP26A1 (2.1)	EXOC3L1 (1.8)	TMEM101 (1.6)
LCMT2 (2.3)	EDC4 (2.3)	THAP11 (2.3)	SNORD58C (2.1)	GPN2 (1.9)
MYO5B (2.1)	MST1R (2.0)	CPNE2 (1.8)	SPG11 (1.8)	MT1M (1.8)
ACD (3.0)	MFAP1 (2.8)	BAZ1B (2.7)	KCTD19 (2.6)	MTF2 (2.6)
PNMT (2.2)	PPP1R1B (2.1)	ZSCAN29 (2.0)	OR4A21P (2.0)	C1QTNF4 (1.9)
SKA1 (2.3)	MPHOSPH9 (2.3)	FEN1 (2.2)	EIF3J (2.2)	CTDSPL2 (2.1)
SPG11 (2.4)	BACE1 (2.2)	C11orf49 (2.0)	YDJC (2.0)	PARD6A (1.9)
SNORD58C (1.8)	ZNF614 (1.7)	FNBP4 (1.7)	TRIB1 (1.7)	RBPJ (1.7)
CCDC92 (2.0)	GNAO1 (2.0)	SEC14L4 (1.9)	GPER (1.9)	OGFOD1 (1.8)
MYO5B (2.7)	ENSG00000179523 (2	GRB7 (2.3)	LRP4 (2.2)	C12orf65 (2.2)
ZNF259 (2.7)	HARBI1 (2.7)	ZSCAN29 (2.4)	UBE2L3 (2.2)	COX19 (2.2)
ZNF615 (2.1)	STRC (1.9)	PTPMT1 (1.7)	PTPRZ1 (1.6)	TECTB (1.5)
ENSG00000255507 (2	DNAH10 (2.3)	ENSG00000236267 (2	COBLL1 (2.1)	TRNP1 (2.0)
RLTPR (2.4)	NEUROD2 (2.4)	MYO5B (2.4)	GNAO1 (2.4)	CELSR2 (2.0)
TTC39B (2.0)	PLTP (2.0)	CCDC116 (2.0)	ZNF613 (1.9)	CCDC11 (1.9)
CCDC11 (2.2)	ENSG00000247867 (2	BCAM (2.1)	MBD1 (2.0)	HCAR1 (1.8)
PDE3A (2.4)	ENSG00000223745 (2	RAPSN (2.2)	MYBPC3 (2.0)	C16orf86 (2.0)
RLTPR (2.2)	TRNP1 (2.2)	ZDHHC18 (2.1)	MYO5B (2.0)	CELSR2 (1.9)
C16orf48 (3.7)	CTDSPL2 (3.6)	NUP160 (3.2)	BAZ1B (2.9)	NUP93 (2.5)
ENSG00000181296 (2	CCDC11 (2.5)	AGBL2 (2.5)	LPA (2.2)	MYO5B (2.2)
C16orf86 (2.1)	INTS10 (2.0)	TMEM175 (2.0)	ENSG00000247867 (2	RBM6 (1.9)

BMP8A (2.2)	ENSG00000182109 (2	SPRYD5 (1.8)	RSPRY1 (1.7)	KCTD19 (1.6)
FZD9 (2.9)	OR5I1 (2.8)	C17orf57 (2.6)	PTPRZ1 (2.3)	KCTD6 (2.2)
PLEKHG4 (3.6)	SLC9A5 (2.9)	SDF2L1 (2.4)	ENSG00000247867 (2	PVRL2 (1.8)
ST3GAL4 (1.9)	SLC12A3 (1.9)	SLC9A5 (1.8)	OR4A1P (1.8)	TMEM175 (1.8)
IGF2R (2.3)	GPER (2.3)	MAP1A (2.2)	TCAP (2.2)	PACSIN3 (2.0)
KPNB1 (2.9)	EIF3J (2.5)	E2F4 (2.2)	ZNF259 (2.2)	RELB (2.1)
ENSG00000247445 (3	SIK3 (3.0)	ENSG00000226645 (2	BUD13 (2.5)	ZNF350 (2.5)
ENSG00000247445 (3	SIK3 (3.0)	ENSG00000226645 (2	BUD13 (2.5)	ZNF350 (2.5)
TAGLN (2.2)	ENSG00000256746 (1	ZNF664 (1.9)	COBLL1 (1.9)	OR4A21P (1.7)
TOMM40 (3.2)	GPN2 (3.1)	SLC7A6OS (3.0)	SNORD58C (3.0)	EIF3J (3.0)
MFAP1 (2.9)	MIEN1 (2.3)	TGM7 (2.3)	C7orf50 (2.2)	C18orf32 (2.2)
C17orf105 (2.7)	TRNP1 (2.1)	SNORD58C (2.0)	NUTF2 (2.0)	KIAA0895L (2.0)
RAPSN (2.4)	FZD9 (2.3)	ERBB2 (2.1)	TBKBP1 (2.1)	DOK4 (2.1)
PSMC3 (3.0)	TMEM208 (2.8)	COX19 (2.5)	MTCH2 (2.5)	NOL3 (2.4)
MPHOSPH9 (2.9)	SKA1 (2.7)	DEPDC1 (2.7)	C7orf50 (2.7)	SETD8 (2.2)
MPHOSPH9 (2.9)	SKA1 (2.7)	DEPDC1 (2.7)	C7orf50 (2.7)	SETD8 (2.2)
C16orf48 (3.0)	ACD (3.0)	CTDSPL2 (3.0)	SLC9A5 (2.8)	DDX28 (2.6)
MYBPC3 (2.6)	TAGLN (2.6)	PPP1R1B (2.5)	TRNP1 (2.5)	SFN (2.5)
BACE1 (2.1)	CPNE2 (2.1)	EXOC3L1 (2.1)	SLC39A13 (1.9)	CELSR2 (1.9)
PSMC3 (2.9)	COX19 (2.9)	TMEM208 (2.8)	MTCH2 (2.5)	ENSG00000247867 (2
DNAH10 (2.3)	PPP1R1B (2.2)	ENSG00000229043 (2	LRRC29 (2.0)	RAPSN (1.7)
MPHOSPH9 (3.6)	DEPDC1 (3.5)	SKA1 (3.0)	SETD8 (2.5)	MT1E (2.1)
LRP4 (2.2)	ZNF614 (2.0)	RSPO3 (1.9)	ABCB9 (1.8)	FZD9 (1.8)
C12orf43 (2.8)	DDX28 (2.4)	GPN2 (2.4)	SBNO1 (2.3)	C7orf50 (2.2)
SIK3 (2.4)	ENSG00000247867 (2	MT1M (2.0)	MT1G (1.9)	CATSPER2 (1.9)
C1QTNF4 (2.3)	CELSR2 (2.3)	C11orf49 (2.1)	CATSPER2 (1.9)	SMPD3 (1.9)
TRPS1 (2.1)	CYP26A1 (1.8)	ENSG00000179523 (1	ENSG00000256746 (1	KLF14 (1.5)
PSMC3 (3.0)	RBM5 (2.6)	ZDHHC18 (2.3)	HARBI1 (2.1)	LRRC29 (2.0)
MPP2 (2.9)	NEUROD2 (2.7)	PPIP5K1 (2.6)	CCDC92 (2.4)	DUSP3 (2.4)
TRNP1 (2.3)	PCSK7 (2.3)	MYO1H (2.2)	DOK4 (2.2)	ENSG00000255507 (2
TRNP1 (2.8)	DGKG (2.8)	SLC9A5 (2.6)	RLTPR (2.4)	DPEP3 (2.4)
TTBK2 (2.4)	PPP1R1B (2.3)	GNAO1 (2.2)	PPIP5K1 (2.2)	CCDC92 (2.1)
CYP26A1 (2.8)	DNAH10 (2.6)	ENSG00000226645 (2	SLC7A6 (2.2)	TNKS (2.2)
REEP3 (2.0)	CYP26A1 (1.8)	SOST (1.8)	TGM7 (1.5)	OR5L2 (1.4)
RNF214 (2.4)	MPP2 (2.4)	DGKG (2.3)	ENSG00000226645 (2	NOL3 (2.1)
SMPD3 (2.2)	MED1 (2.0)	EPB42 (2.0)	OR5I1 (2.0)	PGAP3 (1.9)
ENSG00000223745 (2	RBM6 (2.8)	ZNF259 (2.6)	YDJC (2.4)	MBD1 (2.4)
ARFGAP2 (2.4)	UBE2L3 (2.4)	SETD8 (2.3)	CKAP5 (2.3)	CCDC116 (2.1)
UBE2L3 (2.3)	MIEN1 (2.2)	TMEM208 (2.0)	OGFOD1 (2.0)	NCOA5 (1.9)
LRP4 (2.5)	ERBB2 (2.4)	KANK2 (2.2)	FZD9 (2.2)	SIDT2 (2.0)
SCARB1 (2.0)	TTC39B (2.0)	MADD (1.9)	PLTP (1.5)	CSGALNACT1 (1.5)
GPIHBP1 (2.9)	CX3CL1 (2.3)	SLC9A5 (2.3)	PITPNM2 (2.2)	DUSP3 (2.1)
HERPUD1 (2.4)	C11orf49 (2.4)	ELMO3 (2.3)	CKAP5 (2.2)	BMP8A (2.2)
CCDC11 (2.3)	C7orf50 (2.2)	ENSG00000256746 (2	ENSG00000179523 (2	MPHOSPH9 (2.0)
MYO5B (2.4)	PAFAH1B2 (2.4)	BCL7B (2.4)	MST1R (2.2)	STRC (2.0)
C1QTNF4 (3.2)	PTPRZ1 (2.8)	GNAO1 (2.5)	PPP1R1B (2.4)	SMPD3 (2.0)
CTDSPL2 (2.2)	ZNF408 (2.1)	ENSG00000247867 (2	INTS10 (2.0)	LCMT2 (1.9)
ERBB2 (2.6)	PACSIN3 (2.5)	C11orf9 (2.4)	LRRC29 (2.4)	CYP26A1 (2.2)
CASC4 (3.4)	DEPDC1 (3.4)	SKA1 (3.2)	ZNF614 (2.3)	ZSCAN29 (2.2)
ENSG00000255507 (3	OR4A1P (2.8)	DNAH10 (2.4)	C12orf65 (2.2)	NOL3 (2.2)

TTC39B (2.3)	PYY (2.3)	IGF2R (2.1)	ABCB9 (2.0)	DOK4 (1.9)
ENSG00000179523 (2	ENSG00000256746 (2	CATSPER2 (2.3)	RNF214 (2.2)	TMEM101 (2.1)
ZNF664 (2.2)	TSNAXIP1 (2.0)	ERBB2 (2.0)	SFN (2.0)	BMP8A (2.0)
C11orf49 (3.9)	C16orf48 (3.8)	DNAH10 (3.3)	BBS2 (2.8)	ENSG00000181123 (2
TCAP (2.5)	MBD1 (1.9)	CATSPER2 (1.9)	PITPNM2 (1.9)	TRNP1 (1.9)
HARBI1 (2.8)	C7orf50 (2.6)	MFAP1 (2.4)	MST1R (2.4)	BUD13 (2.3)
ZNF664 (2.6)	ENSG00000182109 (2	MTF2 (2.3)	PLEKHG4 (2.3)	KBTBD4 (2.2)
AGBL2 (2.2)	C12orf65 (2.1)	CCDC116 (2.1)	ENSG00000179523 (2	ENSG00000254235 (2
C11orf9 (2.3)	PACSIN3 (2.3)	ABCA8 (2.2)	SFN (2.1)	SMPD3 (2.1)
MPP2 (2.1)	MPP3 (2.0)	PARD6A (1.9)	MAP1A (1.8)	NUTF2 (1.8)
ZFAND2A (2.7)	PSMC3 (2.6)	COX19 (2.6)	MTCH2 (2.5)	NFATC3 (2.5)
KIAA0754 (1.9)	BBS2 (1.9)	KLHL8 (1.8)	C12orf65 (1.8)	MTF2 (1.8)
KIAA0754 (1.9)	BBS2 (1.9)	KLHL8 (1.8)	C12orf65 (1.8)	MTF2 (1.8)
REEP3 (2.4)	ENSG00000255507 (2	STRC (2.2)	PTPRJ (2.1)	C17orf57 (2.0)
COQ9 (3.0)	MIEN1 (2.8)	TMEM208 (2.6)	MTCH2 (2.1)	TMEM101 (2.1)
FNBP4 (2.2)	UBE2L3 (1.9)	THAP11 (1.6)	KPNB1 (1.5)	SNX13 (1.4)
C16orf48 (1.7)	CD36 (1.7)	C18orf32 (1.6)	PLEKHG4 (1.6)	ADAL (1.6)
OR5J2 (3.4)	OR5I1 (3.1)	OR4A21P (2.5)	HNF1A (2.3)	CD300LG (2.3)
MYBPC3 (2.4)	TAGLN (2.1)	PVRL2 (1.8)	DOK4 (1.6)	SLC9A5 (1.4)
XKR8 (2.1)	OR5J2 (2.0)	TMEM62 (2.0)	NOL3 (2.0)	ENSG00000182109 (2
CTDSPL2 (3.1)	MFAP1 (3.0)	DCPS (2.9)	DDB2 (2.8)	C7orf50 (2.7)
CCL17 (2.4)	OR4A1P (2.1)	CATSPER2 (2.0)	CCDC116 (1.8)	XKR8 (1.7)
LRRC29 (2.6)	ENSG00000182109 (2	CES4A (2.1)	KCTD6 (1.9)	ZNF613 (1.7)
RBM5 (2.5)	CES4A (2.5)	RAPSN (2.5)	CCDC11 (2.4)	C17orf57 (2.4)
GFOD2 (2.8)	DOK4 (2.6)	C16orf86 (2.3)	RNF214 (2.3)	TMEM175 (2.2)
DUSP3 (2.5)	CELF1 (2.2)	RBM6 (2.2)	RBM5 (2.1)	PACSIN3 (2.0)
PLTP (1.8)	ENSG00000236267 (1	ENSG00000247867 (1	ZNF614 (1.7)	ZNF259 (1.6)
TRADD (2.5)	KLF14 (2.2)	ENSG00000247445 (2	OR4A1P (2.1)	PIGV (2.0)
ZNF259 (2.5)	ENSG00000247867 (2	PDIA3 (2.2)	FNBP4 (2.0)	RBM6 (1.8)
ENSG00000247445 (3	CKAP5 (2.9)	ZNF350 (2.6)	KCTD19 (2.5)	LRRC29 (2.4)
FEN1 (2.9)	C16orf48 (2.8)	ADAL (2.7)	PARD6A (2.7)	SKA1 (2.5)
ENSG00000226645 (2	GPER (2.5)	LRRC29 (2.4)	LRP4 (2.3)	GPIHBP1 (2.3)
C12orf65 (2.5)	ENSG00000179523 (2	AGBL2 (2.3)	ENSG00000255507 (2	DGKG (1.8)
OR5I1 (2.5)	SLC9A5 (2.4)	KCTD19 (2.4)	LIPG (2.2)	TGM7 (2.1)
CCDC116 (2.3)	C16orf86 (2.0)	ENSG00000254235 (2	DOCK6 (1.9)	ENSG00000223745 (1
ZNF259 (2.1)	KPNB1 (2.0)	MED1 (1.7)	ZNF408 (1.7)	DDX28 (1.7)
PSMC3 (2.9)	TMEM208 (2.8)	COX19 (2.8)	MIEN1 (2.6)	MTCH2 (2.5)
DYM (2.4)	ZNF259 (2.3)	HARBI1 (2.2)	UBE2L3 (2.2)	ACAA2 (2.1)
FBXL20 (2.5)	AGBL2 (2.3)	C17orf105 (2.2)	BAZ1B (2.2)	PIGV (2.2)
TNKS (2.8)	SPG11 (2.6)	PLA2G15 (2.6)	DGKG (2.4)	B3GNT9 (2.3)
PSMC3 (3.0)	MIEN1 (2.8)	COX19 (2.7)	TMEM208 (2.7)	MTCH2 (2.6)
PSMC3 (3.0)	MIEN1 (2.8)	COX19 (2.7)	TMEM208 (2.7)	MTCH2 (2.6)
CTDSPL2 (3.4)	C16orf48 (3.3)	SLC9A5 (3.2)	CES4A (2.9)	DDX28 (2.6)
G6PC3 (3.1)	HERPUD1 (2.7)	SLC7A6 (2.4)	DYM (2.1)	TMEM208 (2.1)
MTCH2 (2.1)	NDUFS3 (2.0)	ZFAND2A (2.0)	MON1A (1.9)	ENSG00000247445 (1
PRMT7 (3.2)	SNORD58C (3.0)	HARBI1 (2.9)	GPN2 (2.8)	C7orf50 (2.7)
NFATC3 (2.8)	UBR1 (2.6)	BAZ1B (2.5)	DYM (2.5)	SNORD58C (2.4)
TRNP1 (2.8)	RLTPR (2.6)	GNAO1 (2.5)	SNX10 (2.2)	C1QTNF4 (2.2)
RLTPR (2.4)	YDJC (2.2)	C12orf43 (2.1)	MYO5B (2.1)	C1QTNF4 (1.9)
MYO5B (2.5)	GNAO1 (2.4)	RLTPR (2.4)	NEUROD2 (2.3)	SNX10 (2.1)

B3GNT9 (2.3)	HSF4 (2.3)	ENSG00000255507 (2	HNF1A (2.2)	C16orf70 (2.1)
CASC4 (2.9)	PDIA3 (2.8)	TMEM101 (2.8)	SIDT2 (2.7)	SLC39A13 (2.5)
SPRYD5 (2.1)	BMP8A (2.1)	TTBK2 (1.9)	TSNAXIP1 (1.8)	DR1 (1.8)
FNBP4 (2.0)	UBE2L3 (1.8)	ZNF614 (1.5)	OR4A21P (1.5)	ARFGAP2 (1.4)
NOL3 (2.5)	SPRYD5 (2.2)	MPHOSPH9 (2.2)	SETD8 (2.1)	C11orf49 (2.0)
ENSG00000226334 (2	C7orf50 (2.3)	FNBP4 (2.2)	OR4A21P (2.0)	ZNF408 (1.9)
TGM5 (2.3)	C1orf172 (2.3)	SFN (2.1)	ENSG00000226334 (2	TGM7 (2.1)
C11orf49 (1.9)	SPRYD5 (1.8)	MYO5B (1.8)	SNX10 (1.8)	TSNAXIP1 (1.8)
OR5J2 (2.3)	TRPS1 (2.2)	ETV5 (2.1)	TGM7 (2.1)	ZNF614 (2.0)
C11orf9 (2.4)	C1QTNF4 (2.3)	CELSR2 (2.3)	MT1M (2.3)	SMPD3 (2.1)
ABCB9 (2.6)	MAP1A (2.6)	CYP2W1 (2.3)	MPP3 (2.3)	TRNP1 (2.1)
GFOD2 (2.5)	C16orf86 (2.5)	CYP26A1 (2.4)	DOK4 (2.3)	RNF214 (2.2)
PRMT7 (2.4)	PSMC3 (2.2)	POLR2C (2.1)	BMP8A (2.1)	TMEM208 (1.9)
TBL2 (4.5)	TMED5 (3.5)	HERPUD1 (3.5)	ZNF614 (2.9)	C18orf32 (2.7)
CENPT (2.9)	CASC4 (2.8)	ENSG00000256746 (2	DEPDC1 (2.6)	SKA1 (2.4)
CELSR2 (3.0)	GNAO1 (2.9)	CDK12 (2.7)	MED1 (2.3)	MIEN1 (2.3)
KANK2 (2.6)	MAP1A (2.2)	ABCA8 (2.1)	ZNF615 (2.1)	MYBPC3 (1.7)
ENSG00000247867 (1	ENSG00000236267 (1	FNBP4 (1.6)	ZNF614 (1.5)	SETD8 (1.4)
ENSG00000247867 (1	ENSG00000236267 (1	FNBP4 (1.6)	ZNF614 (1.5)	SETD8 (1.4)
ENSG00000247867 (1	ENSG00000236267 (1	FNBP4 (1.6)	ZNF614 (1.5)	SETD8 (1.4)
CCDC116 (1.5)	FHOD1 (1.5)	NPEPPS (1.5)	DGKG (1.5)	MT1X (1.4)
C16orf86 (2.6)	TP53BP1 (2.3)	CTDSPL2 (2.3)	SETD8 (2.2)	BUD13 (2.0)
PDIA3 (3.7)	TMED5 (3.2)	TBL2 (3.1)	CATSPER2 (2.6)	ZNF614 (2.4)
DCPS (2.5)	KPNB1 (2.4)	CCDC18 (2.2)	MPHOSPH9 (2.0)	C18orf32 (2.0)
ENSG00000226334 (2	OR4A21P (1.8)	KIAA0895L (1.8)	PDIA3 (1.8)	SLC7A6 (1.7)
RSPRY1 (2.3)	UVRAG (1.9)	DGKG (1.9)	CASC4 (1.9)	NAGS (1.8)
OR5J2 (2.5)	CCDC11 (2.5)	CCDC116 (2.3)	GRB7 (2.2)	C17orf105 (2.2)
OR5J2 (2.5)	CCDC11 (2.5)	CCDC116 (2.3)	GRB7 (2.2)	C17orf105 (2.2)
PDHB (2.2)	MTCH2 (2.0)	KCTD10 (1.8)	CIAPIN1 (1.6)	DUS2L (1.6)
UBE2L3 (2.2)	ENSG00000223745 (2	SOST (2.0)	NUDT21 (1.8)	CATSPER2 (1.8)
C7orf50 (2.3)	FNBP4 (2.2)	OR4A21P (2.0)	TMEM101 (2.0)	ENSG00000226334 (1
ADAL (2.8)	C16orf48 (2.7)	PRMT7 (2.3)	SKA1 (2.2)	ENSG00000236267 (2
ZDHHC18 (2.4)	PITPNM2 (2.3)	ENSG00000226334 (2	MST1R (2.1)	CCDC11 (2.0)
FZD9 (2.3)	PYY (2.2)	PPY (2.1)	EXOC3L1 (1.9)	HSF4 (1.9)
MPP2 (2.3)	CX3CL1 (2.3)	MAP1A (2.2)	MADD (2.0)	DGKG (2.0)
TRNP1 (2.7)	MADD (2.6)	SNX10 (2.5)	C12orf43 (2.5)	MPP3 (2.3)
PGAP3 (3.2)	PNMT (3.0)	PACSIN3 (2.4)	NOL3 (2.4)	TGM5 (2.2)
ELMO3 (2.7)	C11orf49 (2.3)	CCNDBP1 (2.2)	HARBI1 (2.2)	C18orf32 (2.2)
ENSG00000247867 (1	ENSG00000236267 (1	OR4A21P (1.7)	ZNF614 (1.6)	SETD8 (1.5)
TMED5 (1.9)	ADAL (1.8)	CENPT (1.7)	UBE3B (1.6)	SNORD58C (1.4)
TSNAXIP1 (2.0)	C11orf49 (2.0)	ENSG00000256746 (1	RNF214 (1.8)	PVRL2 (1.7)
KCTD19 (2.1)	RLTPR (2.0)	ZNF613 (2.0)	DR1 (2.0)	SNX10 (1.8)
ENSG00000255507 (2	OR5I1 (2.4)	SMPD3 (2.3)	NEUROD2 (2.1)	TP53BP1 (2.0)
OR4A21P (1.8)	ZNF259 (1.8)	NDUFS3 (1.8)	NUP93 (1.8)	POLR2C (1.6)
OR4A21P (1.8)	ZNF259 (1.8)	NDUFS3 (1.8)	NUP93 (1.8)	POLR2C (1.6)
PAFAH1B2 (2.5)	KCTD10 (2.5)	BCL7B (2.3)	MST1R (2.1)	MYO1H (2.0)
MPP2 (2.5)	MPP3 (2.4)	GNAO1 (2.2)	CX3CL1 (2.1)	TTBK2 (2.1)
DGKG (2.5)	ABCB9 (2.3)	DOK4 (1.9)	RLTPR (1.9)	OR4A1P (1.8)
MAP1A (2.4)	DOK4 (2.2)	MACF1 (2.1)	TRNP1 (2.1)	RBM5 (2.1)
PIGV (2.1)	TTC39B (2.1)	B3GNT9 (2.0)	C12orf65 (1.9)	KLF14 (1.9)

C1orf172 (2.4)	GPER (2.3)	DOCK6 (2.3)	SFN (2.2)	MYO5B (2.2)
COX19 (2.3)	KIAA0754 (2.3)	C1QTNF4 (2.3)	ENSG00000226645 (2	MYO5B (2.2)
PDIA3 (3.7)	TBL2 (3.2)	TMED5 (3.1)	CATSPER2 (2.6)	CCDC11 (2.3)
MYO1H (1.7)	CITED2 (1.7)	RNF214 (1.6)	HSF4 (1.6)	ENSG00000226334 (1
ENSG00000182109 (2	NLRC5 (2.4)	MBD1 (2.4)	OR5L2 (2.3)	DYM (2.1)
TRNP1 (2.3)	RLTPR (2.3)	BACE1 (2.1)	ENSG00000223745 (2	C11orf49 (2.1)
EPB42 (2.9)	CCDC18 (2.7)	OASL (2.6)	SDF2L1 (2.4)	MFAP1 (2.3)
KIAA0754 (2.2)	CYP2W1 (2.2)	SPG11 (2.2)	GFOD2 (2.1)	MPP3 (2.1)
MT1M (2.9)	SLC12A3 (2.7)	MT1E (2.0)	ENSG00000255507 (2	MT1X (2.0)
TMED5 (2.2)	ELMO3 (2.1)	CATSPER2 (2.1)	PDHB (1.9)	EPB42 (1.9)
FZD9 (2.5)	ENSG00000254235 (2	NOL3 (2.1)	ENSG00000179523 (1	KCTD6 (1.8)
ZNF664 (2.2)	UBE3B (2.2)	GRB7 (2.1)	TRPS1 (2.0)	ENSG00000256746 (1
MYO5B (2.6)	TRNP1 (2.2)	C1QTNF4 (2.2)	C11orf9 (2.2)	BACE1 (2.2)
PRMT7 (3.0)	C7orf50 (2.7)	DDX28 (2.5)	GPN2 (2.4)	SLC7A6OS (2.3)
CCDC11 (2.3)	SPG11 (2.2)	ENSG00000226334 (2	ABCB9 (2.1)	C7orf50 (2.0)
ENSG00000247867 (3	COBLL1 (2.9)	ZNF664 (2.6)	CCDC92 (2.4)	ESRP2 (2.4)
TP53BP1 (3.3)	SKA1 (3.0)	CENPT (2.9)	CCDC11 (2.9)	DEPDC1 (2.8)
HSF4 (2.8)	STRC (2.8)	MADD (2.7)	MPP3 (2.5)	PARD6A (2.5)
SBNO1 (2.7)	ZNF259 (2.6)	NPEPPS (2.3)	CCNDBP1 (2.3)	NUP93 (2.3)
OGFOD1 (2.1)	ENSG00000179523 (2	TRADD (1.9)	PLEKHG4 (1.8)	SLC7A6 (1.8)
OGFOD1 (2.1)	ENSG00000179523 (2	TRADD (1.9)	PLEKHG4 (1.8)	SLC7A6 (1.8)
SFN (2.4)	CELSR2 (2.1)	ABHD6 (1.9)	PVRL2 (1.8)	PACSIN3 (1.8)
SFN (2.4)	CELSR2 (2.1)	ABHD6 (1.9)	PVRL2 (1.8)	PACSIN3 (1.8)
SFN (2.4)	CELSR2 (2.1)	ABHD6 (1.9)	PVRL2 (1.8)	PACSIN3 (1.8)
CCNDBP1 (2.7)	NUTF2 (2.4)	ENSG00000256746 (2	SETD8 (2.1)	DUS2L (2.0)
CCNDBP1 (2.7)	NUTF2 (2.4)	ENSG00000256746 (2	SETD8 (2.1)	DUS2L (2.0)
ZSCAN29 (2.3)	NRBF2 (2.0)	TGM7 (2.0)	PPIP5K1 (2.0)	HARBI1 (2.0)
SMPD3 (2.4)	MPP2 (2.4)	ZNF664 (2.3)	ENSG00000236267 (2	CATSPER2 (2.3)
DGKG (2.3)	GNAO1 (2.2)	MAP1A (2.2)	C16orf86 (2.0)	LRRC29 (1.8)
COX19 (1.7)	OR4A21P (1.7)	ENSG00000247867 (1	THAP11 (1.5)	ZNF614 (1.4)
ARHGAP1 (2.4)	HDAC5 (2.2)	EDC4 (2.1)	CASC4 (2.0)	STRC (1.9)
ADAL (2.3)	FZD9 (2.1)	TMEM101 (2.1)	C16orf86 (2.0)	KLF14 (1.7)
C16orf86 (2.4)	CYP2W1 (2.3)	ENSG00000229043 (2	ABCB9 (2.1)	ENSG00000256746 (2
CCDC92 (2.4)	CX3CL1 (2.4)	CYP2W1 (2.3)	SNX13 (2.3)	BCL7B (2.2)
FNBP4 (1.9)	KPNB1 (1.6)	ARFGAP2 (1.6)	ZNF614 (1.4)	RBPJ (1.4)
PGAP3 (2.6)	SLC39A13 (2.6)	PLA2G15 (2.6)	ST3GAL4 (2.5)	PIGV (2.4)
ENSG00000247867 (2	OR4A21P (1.8)	ZNF614 (1.8)	ENSG00000236267 (1	ENSG00000226645 (1
MPP2 (2.6)	CCDC92 (2.5)	CATSPER2 (2.2)	CELF1 (2.2)	C11orf49 (2.0)
PLA2G6 (2.3)	ZNF664 (2.2)	TMEM62 (2.2)	ZNF408 (2.0)	MAFF (2.0)
C16orf48 (3.1)	ACD (2.5)	MBD1 (2.4)	BUD13 (2.4)	CTDSPL2 (2.3)
CCDC11 (2.3)	ABCB9 (2.3)	DGKG (2.1)	PARD6A (2.1)	GPER (2.0)
PARD6A (1.7)	MPP3 (1.6)	MT1E (1.5)	MT1F (1.5)	RSPO3 (1.5)
TOMM40 (1.9)	KANK2 (1.8)	OR5J2 (1.8)	TAGLN (1.8)	IGF2R (1.7)
CITED2 (2.7)	TCAP (2.1)	RAPSN (2.1)	MACF1 (2.0)	MT1E (1.7)
ENSG00000226645 (2	CCNDBP1 (2.0)	KCTD6 (2.0)	GPER (2.0)	UBE2L3 (1.9)
CCDC18 (2.8)	MYO1H (2.4)	C16orf48 (2.4)	ZSCAN29 (2.3)	ADAL (2.3)
ENSG00000181296 (2	DDX28 (2.6)	THAP11 (2.4)	PARD6A (2.4)	B3GNT9 (2.3)
MYO1H (2.4)	C17orf57 (2.3)	MYO5B (2.3)	PAFAH1B2 (2.2)	DOK4 (2.1)
RLTPR (2.6)	MYO5B (2.3)	C1QTNF4 (2.2)	C11orf49 (2.2)	SNX10 (2.1)
ZNF613 (2.2)	CCDC116 (2.1)	CCDC11 (2.1)	TTC39B (2.0)	ZNF350 (2.0)

DGKG (2.5)	TMED5 (2.4)	PDIA3 (2.3)	CATSPER2 (2.3)	STRC (2.3)
LRRC29 (2.9)	ENSG00000256746 (2	TBKBP1 (2.0)	HDAC5 (1.9)	TMEM101 (1.8)
DDB2 (3.3)	TUBGCP4 (3.2)	NUP160 (2.9)	BAZ1B (2.8)	PARD6A (2.7)
ABCA8 (3.0)	PVRL2 (2.3)	TRIB1 (2.1)	BACE1 (2.0)	SLC12A3 (1.9)
ZNF335 (2.2)	ZSCAN29 (2.1)	LILRB2 (2.1)	PCSK7 (2.1)	SPI1 (1.9)
SPRYD5 (3.0)	TGM5 (2.5)	PITPNM2 (2.5)	LILRB2 (2.5)	OR4A21P (2.1)
TRPS1 (1.9)	RSPO3 (1.9)	LRP4 (1.7)	ERBB2 (1.7)	PYY (1.6)
OR5J2 (2.9)	CCNDBP1 (2.7)	HARBI1 (2.5)	C17orf105 (2.5)	OR4A21P (2.4)
OGFOD1 (2.6)	TRADD (2.4)	PLEKHG4 (2.4)	ENSG00000182109 (2	PRMT7 (2.0)
CLPTM1 (2.0)	PACSIN3 (2.0)	NUTF2 (1.9)	CCNDBP1 (1.8)	HDAC5 (1.8)
ZNF350 (1.8)	XKR8 (1.8)	GPN2 (1.7)	PCIF1 (1.7)	NUP160 (1.6)
OR4A1P (2.9)	OR5I1 (2.3)	CES4A (2.1)	OR4A21P (1.8)	MYO1H (1.8)
LCMT2 (2.3)	MPHOSPH9 (2.2)	NUP160 (2.1)	RBM6 (2.1)	MVK (2.0)
LILRB2 (2.7)	PITPNM2 (2.6)	SPRYD5 (2.6)	DUSP3 (2.3)	OR4A21P (2.1)
C11orf9 (2.6)	ERBB2 (2.4)	CYP26A1 (2.3)	TGM7 (2.2)	APOB (2.1)
NLRC5 (2.5)	CYP2W1 (2.5)	ENSG00000182109 (2	PIGV (2.1)	PCSK7 (2.1)
C1orf172 (2.5)	COQ9 (2.3)	TMEM101 (2.3)	PDHB (2.3)	PDIA3 (1.9)
DR1 (2.9)	ZNF408 (2.8)	RBM5 (2.6)	ZNF615 (2.5)	NUDT21 (2.3)
OR5J2 (2.5)	TCAP (2.5)	ABCA8 (2.5)	MYBPC3 (2.5)	ERBB2 (2.4)
TAGLN (4.0)	FRMD5 (3.0)	RAPSN (3.0)	ARHGAP1 (2.8)	DUSP3 (2.2)
PRMT7 (2.6)	DDX28 (2.6)	DDB2 (2.3)	COQ9 (2.2)	PARD6A (2.2)
CSGALNACT1 (2.4)	ENSG00000226645 (2	OR5J2 (2.2)	DOK4 (2.1)	RSPO3 (2.0)
PAFAH1B2 (1.9)	CD300LG (1.9)	ZNF664 (1.8)	DPEP2 (1.7)	FBXL20 (1.7)
EPB42 (3.8)	PCSK7 (2.8)	ZNF350 (2.6)	MAP1A (2.3)	STRC (2.3)
RSPO3 (2.3)	OR5I1 (2.3)	KCTD6 (2.2)	TGM5 (2.1)	TMEM101 (1.9)
NUP93 (2.7)	ARFGAP2 (2.7)	ZFAND2A (2.4)	CIAPIN1 (2.4)	PDHB (2.4)
OR4A1P (2.5)	CCL17 (2.5)	CCDC116 (2.4)	XKR8 (2.2)	TTC39B (2.1)
DGKG (2.5)	ABCB9 (2.5)	MAP1A (2.5)	PITPNM2 (2.4)	MPP3 (2.4)
ENSG00000247867 (1	SETD8 (1.8)	OR4A21P (1.7)	DPEP3 (1.7)	ZNF614 (1.6)
CYP26A1 (2.4)	ENSG00000229043 (2	MST1R (1.9)	EXOC3L1 (1.9)	DOK4 (1.9)
C1QTNF4 (3.0)	MAP1A (2.7)	ABCB9 (2.5)	DGKG (2.4)	GNAO1 (2.4)
C7orf50 (2.3)	CES4A (2.2)	ACD (2.1)	TNKS (2.0)	C16orf48 (2.0)
PNMT (2.6)	FRMD5 (2.4)	CES4A (1.8)	DOK4 (1.7)	NOL3 (1.7)
UBE3B (2.1)	TRPS1 (2.0)	TSNAXIP1 (2.0)	PVRL2 (1.9)	C1orf172 (1.9)
DGKG (2.3)	ZNF613 (2.2)	PDE3A (2.2)	SEC14L4 (1.9)	ZNF350 (1.9)
TCAP (2.8)	GNAO1 (2.5)	KIAA0754 (2.5)	MACF1 (2.5)	PACSIN3 (2.4)
GNAO1 (2.3)	RSPO3 (2.1)	SLC9A5 (1.9)	TMEM175 (1.8)	CLPTM1 (1.7)
ENSG00000182109 (2	SLC7A6 (2.0)	ZNF350 (2.0)	DUS2L (1.9)	PARD6A (1.9)
ENSG00000229043 (2	C17orf105 (2.0)	ZDHHC18 (2.0)	ENSG00000226334 (1	OR5J2 (1.8)
MPP2 (2.7)	MBD1 (2.7)	GNAO1 (2.6)	RLTPR (2.4)	TRNP1 (2.3)
RNF214 (2.4)	MYBPC3 (2.3)	FRMD5 (1.9)	PVRL2 (1.8)	CYP26A1 (1.8)
FZD9 (2.2)	ADAL (2.2)	C16orf86 (2.1)	TMEM101 (2.1)	KLF14 (1.8)
C16orf48 (3.6)	NUP160 (3.0)	CTDSPL2 (2.7)	NUDT21 (2.7)	INTS10 (2.3)
C12orf43 (2.9)	ENSG00000256746 (2	C7orf50 (2.4)	SBNO1 (2.2)	ZNF259 (2.1)
SPRYD5 (2.2)	SBNO1 (2.1)	CASC4 (1.9)	CCDC18 (1.8)	KLHL8 (1.8)
PPP1R1B (2.0)	LRP4 (1.9)	DOK4 (1.8)	PTPRZ1 (1.8)	ENSG00000255507 (1
CCDC18 (2.5)	CASC4 (2.1)	DYM (2.0)	SBNO1 (1.8)	C17orf105 (1.8)
RLTPR (2.8)	TRNP1 (2.8)	GNAO1 (2.7)	BACE1 (2.3)	MYO5B (2.0)
THAP11 (2.7)	DCPS (2.5)	NFATC3 (2.5)	FBXL20 (2.3)	EYA3 (2.2)
HDAC5 (2.7)	SIK3 (2.5)	FAM192A (2.4)	POLR2C (2.3)	DCPS (2.3)

HSF4 (2.3)	EXOC3L1 (2.3)	TRPS1 (2.0)	SPRYD5 (1.9)	KCTD6 (1.9)
PCIF1 (2.2)	ZDHHC18 (2.2)	E2F4 (2.2)	TBKBP1 (2.1)	CTDSPL2 (2.1)
ENSG00000254235 (2	SPRYD5 (2.3)	LRP4 (2.0)	KANK2 (1.9)	ERBB2 (1.7)
NEUROD2 (3.4)	PITPNM2 (3.0)	CELF1 (2.7)	CCDC92 (2.6)	RLTPR (2.5)
LRRC29 (2.6)	ENSG00000256746 (2	TBKBP1 (2.0)	HDAC5 (2.0)	TMEM101 (1.8)
DGKG (2.6)	SLC9A5 (2.5)	GNAO1 (2.3)	MPP3 (2.2)	BACE1 (2.2)
SOST (2.7)	PTPRZ1 (2.6)	SLC12A4 (2.6)	PNMT (2.4)	CELSR2 (2.3)
KIAA0895L (2.0)	SLC7A6 (1.9)	ENSG00000236267 (1	ENSG00000247867 (1	ZNF614 (1.7)
SMPD3 (2.4)	CYP26A1 (1.9)	LRP4 (1.8)	FRMD5 (1.7)	PARD6A (1.6)
KCTD19 (3.4)	SBNO1 (1.9)	CASC4 (1.8)	C17orf105 (1.8)	DYM (1.7)
SLC7A6 (2.1)	OR4A21P (1.9)	ENSG00000247867 (1	ENSG00000236267 (1	COX19 (1.7)
EPB42 (3.1)	TTBK2 (3.1)	MPP3 (2.6)	DGKG (2.5)	TRNP1 (2.4)
C17orf105 (2.2)	MPP3 (2.1)	CATSPER2 (2.1)	SMPD3 (2.1)	MAP1A (2.0)
ENSG00000247867 (2	ZNF614 (1.8)	OR4A21P (1.7)	ENSG00000226645 (1	COX19 (1.6)
KPNB1 (2.0)	SETD8 (1.6)	NUTF2 (1.6)	UBE2L3 (1.5)	ZNF614 (1.4)
BCAM (1.8)	B3GNT9 (1.8)	C11orf9 (1.7)	CYP26A1 (1.7)	PVRL2 (1.7)
DEPDC1 (2.2)	SKA1 (2.0)	MPHOSPH9 (1.8)	KCTD6 (1.8)	CCDC18 (1.8)
PNMT (2.5)	OR4A21P (2.5)	CCDC92 (2.4)	FRMD5 (2.3)	ENSG00000255507 (2
MAP1A (2.8)	C11orf9 (2.8)	C1QTNF4 (2.7)	BACE1 (2.5)	MPP3 (2.4)
ABCA8 (2.8)	PACSIN3 (2.6)	MAP1A (2.4)	NOL3 (2.0)	DUSP3 (2.0)
ZNF259 (2.0)	NUDT21 (1.9)	LILRA3 (1.8)	KPNB1 (1.8)	PRMT7 (1.8)
PARD6A (3.5)	TUBGCP4 (3.2)	MFAP1 (3.2)	INTS10 (3.1)	C7orf50 (2.8)
ZNF259 (3.4)	ENSG00000223745 (3	NUDT21 (3.1)	DUS2L (2.8)	ADAL (2.4)
ETV5 (2.4)	TTC39B (2.2)	BMP8A (2.1)	BCAM (2.0)	PDE3A (2.0)
ETV5 (2.4)	TTC39B (2.2)	BMP8A (2.1)	BCAM (2.0)	PDE3A (2.0)
NEUROD2 (2.8)	TRNP1 (2.6)	RLTPR (2.4)	MADD (2.1)	PITPNM2 (2.0)
ENSG00000181296 (2	ABCB9 (2.1)	CCDC116 (2.0)	BMP8A (2.0)	ENSG00000226645 (2
ENSG00000181296 (2	ABCB9 (2.1)	CCDC116 (2.0)	BMP8A (2.0)	ENSG00000226645 (2
ENSG00000181296 (2	ABCB9 (2.1)	CCDC116 (2.0)	BMP8A (2.0)	ENSG00000226645 (2
ENSG00000247445 (2	CENPT (2.3)	SKA1 (2.2)	C16orf48 (2.1)	LRRC29 (2.1)
CCDC92 (2.6)	C11orf49 (2.4)	FRMD5 (2.4)	NOL3 (2.3)	KIAA0895L (2.3)
ENSG00000181123 (3	MYO5B (2.7)	PSKH1 (2.5)	DNAH10 (2.5)	C16orf70 (2.5)
CXXC1 (2.1)	ZNF664 (2.1)	CELF1 (2.0)	NCOA5 (1.9)	LSM12 (1.9)
DDB2 (2.3)	ZNF615 (2.3)	TUBGCP4 (2.3)	NUP160 (2.0)	CXXC1 (1.9)
UBE3B (2.2)	TRPS1 (2.2)	TSNAXIP1 (2.0)	REEP3 (1.9)	C1orf172 (1.9)
PITPNM2 (2.3)	GNAO1 (2.2)	GPAM (2.2)	FHOD1 (2.0)	ENSG00000179523 (1
C1QTNF4 (1.9)	YDJC (1.8)	CYP2W1 (1.8)	CASC4 (1.7)	MBD1 (1.7)
SLC9A5 (2.2)	C16orf86 (2.1)	CELSR2 (2.1)	ABCB9 (1.7)	KCTD19 (1.6)
TSNAXIP1 (1.7)	TRPS1 (1.7)	CCDC11 (1.6)	PDE3A (1.6)	MYO5B (1.5)
CKAP5 (3.6)	SKA1 (3.4)	CENPT (3.4)	DEPDC1 (3.3)	WDR76 (2.9)
ENSG00000179523 (2	SOST (2.1)	ENSG00000229043 (2	RSPO3 (2.0)	MYO5B (1.8)
IGF2R (2.5)	MYBPC3 (2.5)	ERBB2 (2.4)	OR5J2 (2.3)	PNMT (2.1)
CLPTM1 (2.2)	GNAO1 (2.1)	RSPO3 (2.1)	C16orf86 (1.8)	ENSG00000181123 (1
SLC9A5 (2.5)	OR5J2 (2.4)	STRC (2.4)	NEUROD2 (2.3)	RAPSN (2.3)
CTRL (2.4)	PPP1R1B (2.2)	C1QTNF4 (2.2)	TRNP1 (2.1)	ARHGAP1 (2.0)
MYBPC3 (2.0)	ENSG00000181123 (1	ZSCAN29 (1.8)	C16orf86 (1.8)	ENSG00000179523 (1
MT1E (2.4)	RSPO3 (2.3)	C11orf49 (2.1)	C17orf57 (2.1)	BBS2 (2.1)
CCDC11 (2.2)	G6PC3 (2.2)	RAPSN (1.8)	TGM7 (1.8)	MTF2 (1.8)
ABCB9 (2.2)	PCSK7 (1.9)	PLA2G6 (1.8)	PITPNM2 (1.7)	LCMT2 (1.7)
PLEKHG4 (2.4)	CATSPER2 (2.4)	TMEM175 (2.3)	KCTD19 (2.3)	ABCB9 (2.1)

CD300LG (2.6)	GPIHBP1 (2.5)	MPP3 (2.5)	C1QTNF4 (2.5)	ENSG00000181296 (2
TTBK2 (2.7)	CCDC92 (2.5)	PARD6A (2.4)	FRMD5 (2.3)	NOL3 (2.3)
ENSG00000179523 (2	HNF1A (2.6)	HCAR1 (2.3)	C1orf172 (2.0)	BMP8A (2.0)
RAPSN (3.3)	TAGLN (2.5)	FRMD5 (1.7)	ARHGAP1 (1.6)	KCTD19 (1.6)
CCDC18 (3.1)	NUP160 (2.9)	ADAL (2.8)	SKA1 (2.6)	KPNB1 (2.5)
LRRC29 (2.6)	BACE1 (2.5)	RSPO3 (2.4)	TGM5 (2.1)	CATSPER2 (2.1)
TTC39B (2.3)	ETV5 (2.2)	PVRL2 (2.1)	PDE3A (1.9)	LRP4 (1.8)
MPP2 (2.9)	CTRL (2.8)	C1QTNF4 (2.8)	C12orf43 (2.6)	YDJC (2.2)
OR4A21P (2.2)	PITPNM2 (2.1)	ENSG00000226334 (2	C11orf49 (1.9)	MTF2 (1.7)
YDJC (2.1)	HNF1A (2.1)	RSPRY1 (2.0)	SPI1 (1.9)	ENSG00000181123 (1
FAM192A (2.6)	FEN1 (2.5)	CXXC1 (2.5)	PRMT7 (2.3)	ACD (2.0)
C1orf172 (2.3)	ENSG00000223745 (2	CCDC11 (2.1)	TGM7 (1.8)	SLC12A4 (1.8)
PARD6A (3.4)	TUBGCP4 (3.2)	MFAP1 (3.2)	INTS10 (3.1)	BAZ1B (2.8)
CCDC11 (5.1)	C16orf48 (4.7)	BBS2 (4.6)	TP53BP1 (3.1)	TTBK2 (2.2)
FZD9 (2.5)	LRP4 (2.3)	C17orf105 (2.2)	LIPG (2.1)	BCAM (2.1)
CYP26A1 (2.0)	OR4A1P (2.0)	B3GNT9 (1.8)	SIDT2 (1.8)	BMP8A (1.8)
SKA1 (3.1)	MPHOSPH9 (2.9)	UVRAG (2.8)	DDB2 (2.5)	CENPT (2.2)
CCL22 (2.3)	PPY (2.2)	NLRC5 (2.2)	PSMB10 (1.9)	NR1H3 (1.7)
ENSG00000226334 (2	TRNP1 (1.9)	NUTF2 (1.9)	SNORD58C (1.8)	MIEN1 (1.8)
C12orf43 (2.2)	GPR146 (2.1)	DDB2 (2.1)	COX19 (2.0)	C7orf50 (1.9)
C16orf48 (4.0)	DNAH10 (3.2)	C11orf49 (2.9)	BBS2 (2.4)	ENSG00000181123 (1
MST1R (2.3)	NEUROD2 (2.3)	PARD6A (2.2)	CATSPER2 (2.2)	C16orf86 (2.2)
DNAH10 (2.2)	RSPO3 (2.2)	C11orf49 (2.2)	ZNF615 (1.8)	ABHD6 (1.8)
NUP160 (4.0)	DDB2 (3.9)	SKA1 (3.1)	ACD (2.9)	MFAP1 (2.9)
PTPRJ (1.9)	MTMR3 (1.8)	DNAH10 (1.8)	HNF1A (1.8)	ZNF613 (1.7)
C1QTNF4 (2.7)	GNAO1 (2.7)	MPP2 (2.4)	ABCB9 (2.2)	RLTPR (2.1)
TTBK2 (2.6)	BMP8A (2.6)	RLTPR (2.5)	ZNF615 (2.5)	FHOD1 (2.4)
C11orf49 (2.5)	MYO5B (2.4)	RLTPR (2.3)	GNAO1 (2.3)	NEUROD2 (2.1)
CKAP5 (2.8)	C12orf65 (2.6)	MPHOSPH9 (2.6)	SPRYD5 (2.6)	TP53BP1 (2.2)
HNF1A (3.1)	TCAP (3.1)	ENSG00000255507 (2	CES4A (2.3)	PACSIN3 (2.1)
ZNF350 (3.0)	CKAP5 (3.0)	KCTD19 (2.6)	SIK3 (2.2)	ENSG00000247445 (2
ZNF350 (3.0)	CKAP5 (3.0)	KCTD19 (2.6)	SIK3 (2.2)	ENSG00000247445 (2
STRC (2.5)	C17orf105 (2.4)	ZSCAN29 (2.4)	CENPT (2.4)	SKA1 (2.3)
DR1 (2.9)	RBM5 (2.7)	NUDT21 (2.5)	FEN1 (2.4)	ACD (2.3)
TGM5 (2.5)	CYP2W1 (2.2)	BMP8A (2.0)	ENSG00000247445 (2	NFATC3 (1.8)
KANK2 (2.3)	KCTD10 (2.1)	KIAA0754 (2.0)	PACSIN3 (2.0)	SPRYD5 (2.0)
PTPRZ1 (2.4)	LRRC29 (2.2)	FRMD5 (1.6)	OR5I1 (1.5)	ERBB2 (1.5)
CATSPER2 (2.5)	C17orf57 (2.4)	TGM7 (2.0)	ADAL (1.9)	TBL2 (1.9)
PITPNM2 (2.7)	GFOD2 (2.4)	TRNP1 (2.3)	SPRYD5 (2.3)	MAP1A (2.2)
DOK4 (2.5)	CYP26A1 (2.4)	DNAH10 (2.4)	C16orf86 (2.4)	RNF214 (2.3)
SLC12A3 (2.6)	AGBL2 (2.4)	CCDC116 (2.1)	RSPRY1 (2.0)	NOL3 (1.9)
ENSG00000226334 (1	PTPRZ1 (1.8)	TRNP1 (1.7)	CELSR2 (1.7)	ABCB9 (1.6)
NUP160 (2.0)	EIF3J (1.8)	LCMT2 (1.7)	CCNDBP1 (1.7)	YDJC (1.7)
OR4A1P (2.3)	C11orf49 (2.3)	C18orf32 (2.2)	NEUROD2 (2.2)	CKAP5 (1.9)
PACSIN3 (2.6)	UBE3B (2.5)	SLC9A5 (2.5)	ENSG00000229043 (2	PDE3A (2.2)
MTF2 (3.4)	SKA1 (2.9)	C16orf48 (2.8)	CCDC18 (2.5)	MPHOSPH9 (2.3)
NUP160 (4.1)	CTDSPL2 (3.7)	C16orf48 (3.4)	BAZ1B (3.3)	NUP93 (3.3)
SFN (2.1)	CDK12 (2.1)	C17orf105 (2.0)	LRRC29 (2.0)	RSPRY1 (2.0)
STRC (2.7)	KIAA0754 (2.4)	PGAP3 (2.3)	PNMT (2.1)	MACF1 (2.1)
CCNDBP1 (2.2)	GFOD2 (2.0)	YDJC (1.9)	SNORD58C (1.9)	ENSG00000226645 (1

CTDSPL2 (2.7)	MPHOSPH9 (2.7)	TTBK2 (2.6)	AGBL2 (2.5)	BBS2 (2.4)
KIAA0895L (1.9)	NOL3 (1.9)	AGBL2 (1.8)	C12orf65 (1.8)	C18orf32 (1.8)
NOL3 (2.1)	C12orf65 (2.0)	TGM7 (1.7)	STRC (1.7)	C18orf32 (1.7)
LCMT2 (2.0)	NCOA5 (1.9)	ZNF615 (1.9)	ENSG00000256746 (1	TTBK2 (1.8)
HNF1A (2.1)	STRC (2.1)	RNF214 (2.1)	DCPS (2.0)	PPIP5K1 (1.9)
STRC (2.3)	ENSG00000236267 (2	C16orf86 (2.1)	OR5I1 (2.1)	GPER (2.0)
CELSR2 (2.4)	C11orf49 (2.4)	FADS2 (2.3)	LRP4 (2.3)	MMAB (2.0)
MACF1 (2.5)	PACSIN3 (2.5)	RAPSN (2.5)	DOK4 (2.5)	TAGLN (2.5)
TCAP (2.9)	DOK4 (2.8)	ENSG00000254235 (2	PACSIN3 (2.4)	CCDC11 (2.4)
PDHB (2.4)	COQ9 (2.4)	OR5L2 (2.3)	ADAL (2.2)	PPIP5K1 (2.1)
FRMD5 (1.8)	ERBB2 (1.7)	HSF4 (1.7)	C11orf9 (1.6)	LCMT2 (1.6)
DOCK6 (2.9)	MACF1 (2.6)	FHOD1 (2.2)	UBE2L3 (2.2)	ARHGAP1 (2.2)
KPNB1 (2.7)	PSMC3 (2.6)	SNORD58C (2.5)	SLC7A6 (2.3)	PDIA3 (2.2)
DOK4 (2.0)	SOST (2.0)	EXOC3L1 (1.9)	HSF4 (1.9)	TAGLN (1.9)
BCAM (2.2)	ENSG00000256746 (2	OR5J2 (1.8)	C17orf105 (1.7)	MBD1 (1.7)
LCMT2 (2.9)	C12orf43 (2.9)	ZNF614 (2.9)	C7orf50 (2.6)	ZNF259 (2.5)
DDB2 (3.4)	PARD6A (3.1)	NUP160 (2.8)	TUBGCP4 (2.7)	ACD (2.6)
CENPT (2.2)	ENSG00000256746 (1	LCMT2 (1.9)	SKA1 (1.9)	CASC4 (1.9)
ENSG00000255507 (2	B3GNT9 (2.2)	C12orf65 (2.0)	TRPS1 (2.0)	MST1R (1.9)
GPN2 (2.4)	BUD13 (2.3)	ENSG00000226645 (2	NRBF2 (2.1)	OGFOD1 (2.1)
ENSG00000226645 (2	TECTB (2.4)	MAP1A (2.3)	PLTP (2.2)	PLA2G15 (2.0)
ENSG00000181123 (2	CATSPER2 (2.1)	CYP2W1 (2.1)	PPP1R1B (1.9)	CCDC11 (1.8)
DNAH10 (2.6)	PTPRZ1 (2.5)	BMP8A (2.0)	ENSG00000229043 (1	SMPD3 (1.8)
OR5L2 (2.7)	LRP4 (2.3)	SLC12A3 (2.3)	PVRL2 (2.3)	CX3CL1 (2.0)
CX3CL1 (3.1)	PPP1R1B (2.9)	DGKG (2.9)	MAP1A (2.7)	CELSR2 (2.7)
KCTD10 (3.3)	PACSIN3 (3.1)	RAPSN (2.6)	ARHGAP1 (2.6)	MYO5B (2.6)
CASC4 (2.1)	LRRC29 (2.1)	NRBF2 (2.0)	ZSCAN29 (1.9)	TMEM101 (1.7)
ERBB2 (2.2)	ENSG00000181296 (2	CASC4 (2.1)	NAGS (2.0)	ENSG00000247867 (1
FZD9 (2.5)	SETD8 (2.0)	PACSIN3 (2.0)	TBKBP1 (1.8)	ZNF408 (1.7)
BCAM (2.5)	ABCA8 (2.4)	SMPD3 (2.3)	TRNP1 (2.3)	MPP2 (2.3)
ACD (3.4)	BAZ1B (3.3)	DDB2 (3.2)	NUP160 (3.1)	PARD6A (3.0)
CTDSPL2 (2.6)	C7orf50 (2.6)	MPHOSPH9 (2.6)	C11orf49 (2.4)	WDR76 (2.4)
NOL3 (2.2)	C12orf65 (2.1)	TGM7 (1.7)	C18orf32 (1.7)	KCTD6 (1.7)
C17orf57 (3.1)	PACSIN3 (2.8)	ZNF613 (2.4)	ZNF614 (2.3)	DPEP2 (2.2)
C17orf57 (3.1)	PACSIN3 (2.8)	ZNF613 (2.4)	ZNF614 (2.3)	DPEP2 (2.2)
MACF1 (2.6)	MPP3 (2.0)	DYM (2.0)	PDE3A (2.0)	PYY (1.9)
EPB42 (2.8)	TCAP (2.7)	KCTD19 (2.5)	TAGLN (2.4)	MYBPC3 (2.3)
HSF4 (2.0)	CCDC11 (2.0)	C12orf65 (2.0)	ENSG00000179523 (1	PPIP5K1 (1.8)
HSF4 (2.0)	CCDC11 (2.0)	C12orf65 (2.0)	ENSG00000179523 (1	PPIP5K1 (1.8)
CTRL (2.5)	PPP1R1B (2.5)	ARHGAP1 (2.4)	TRNP1 (2.3)	ENSG00000256746 (2
TRNP1 (2.4)	C11orf49 (2.4)	C1QTNF4 (2.1)	C11orf9 (2.0)	ENSG00000223745 (2
ZNF614 (3.0)	KCTD19 (2.9)	ZNF615 (2.6)	ZNF613 (2.6)	OR5L2 (2.6)
ABCB9 (2.3)	GFOD2 (2.1)	OR5J2 (2.0)	C17orf57 (1.9)	TGM7 (1.9)
RAPSN (3.0)	MYBPC3 (2.0)	PNMT (1.7)	NOL3 (1.6)	KCTD10 (1.5)
C16orf70 (2.4)	MPP3 (2.2)	LRRC29 (2.2)	TSNAXIP1 (2.0)	ABCB9 (2.0)
C12orf43 (2.1)	KCTD6 (2.0)	OGFOD1 (1.9)	MIEN1 (1.9)	ZNF614 (1.8)
C16orf48 (3.0)	ADAL (2.9)	NUP160 (2.7)	SKA1 (2.5)	CENPT (2.4)
SLC9A5 (2.6)	ENSG00000256746 (2	C16orf86 (2.3)	KIAA0754 (2.2)	DNAH10 (2.1)
TGM7 (2.8)	DGKG (2.7)	DNAH10 (2.5)	ZNF613 (2.3)	CD300LG (2.2)
TGM7 (2.8)	DGKG (2.7)	DNAH10 (2.5)	ZNF613 (2.3)	CD300LG (2.2)

KCTD6 (2.5)	ABCB9 (2.2)	PPP1R1B (2.0)	SLC12A3 (2.0)	AGBL2 (2.0)
RSPO3 (3.1)	MYO5B (2.6)	OR5L2 (2.5)	C16orf70 (2.5)	TMEM101 (2.4)
NDUFS3 (2.5)	CLPTM1 (2.4)	MVK (2.3)	DCPS (2.3)	PDHB (2.2)
BACE1 (2.3)	PTPRZ1 (2.3)	PXK (2.1)	ENSG00000182109 (2	LRP4 (1.9)
ELMO3 (2.2)	SOST (2.2)	GALNT2 (2.0)	CX3CL1 (2.0)	ANGPTL4 (1.9)
CASC4 (2.6)	FRMD5 (2.4)	NOL3 (2.3)	CCDC18 (2.2)	TNKS (2.2)
DPEP3 (2.1)	PSMB10 (2.0)	BMP8A (1.9)	DUS2L (1.8)	STRC (1.7)
C16orf48 (3.3)	BBS2 (2.9)	HNF1A (2.2)	C11orf49 (2.1)	ENSG00000182109 (2
PITPNM2 (2.6)	CELSR2 (2.5)	MAP1A (2.4)	MPP3 (2.4)	ABCB9 (2.1)
MYBPC3 (3.4)	TAGLN (2.8)	ARHGAP1 (1.7)	KCTD19 (1.5)	DUSP3 (1.5)
OASL (2.9)	BMP8A (2.6)	ENSG00000247445 (2	PCSK7 (2.2)	NLRC5 (2.0)
TCAP (2.8)	IGF2R (2.4)	MACF1 (2.3)	HNF1A (2.2)	FRMD5 (2.2)
WDR76 (3.3)	ADAL (2.4)	DDB2 (2.4)	DEPDC1 (2.3)	MPHOSPH9 (2.1)
MTCH2 (3.9)	PTPMT1 (3.1)	TMEM208 (2.5)	COX19 (2.4)	CIAPIN1 (2.1)
ENSG00000255507 (2	PDE3A (2.2)	DPEP3 (2.2)	ENSG00000179523 (2	PLTP (1.8)
PSKH1 (1.6)	DUSP3 (1.5)	DDB2 (1.5)	ABHD6 (1.4)	SKA1 (1.4)
PITPNM2 (2.6)	MAP1A (2.4)	ABCB9 (2.3)	CELSR2 (2.2)	TRNP1 (2.2)
GPN2 (2.8)	TMEM101 (2.6)	TGM7 (2.4)	CYP26A1 (2.3)	LRP4 (2.3)
TAGLN (3.1)	MYBPC3 (3.0)	ARHGAP1 (1.7)	KCTD19 (1.5)	DUSP3 (1.5)
BMP8A (2.5)	C12orf65 (2.2)	KCTD6 (2.2)	FZD9 (2.0)	ENSG00000236267 (1
CCDC92 (2.0)	NEUROD2 (2.0)	CCNDBP1 (2.0)	ENSG00000247867 (1	STRC (1.9)
TSNAXIP1 (4.9)	TP53BP1 (4.5)	AGBL2 (4.1)	CCDC11 (2.7)	C7orf50 (2.5)
C1QTNF4 (2.3)	MPP2 (2.3)	TRNP1 (2.2)	C11orf49 (2.2)	C12orf43 (2.0)
DOK4 (2.4)	LRP4 (2.1)	KANK2 (2.0)	SPRYD5 (1.9)	SOST (1.7)
SOST (2.5)	MPP2 (2.5)	C17orf57 (2.3)	CCDC11 (2.2)	C11orf9 (2.1)
MYBPC3 (3.5)	TAGLN (3.1)	ARHGAP1 (1.7)	FRMD5 (1.5)	ERBB2 (1.5)
FEN1 (2.2)	MFAP1 (2.2)	CCNDBP1 (2.1)	PACSIN3 (2.1)	FAM192A (2.1)
FEN1 (2.2)	MFAP1 (2.2)	CCNDBP1 (2.1)	PACSIN3 (2.1)	FAM192A (2.1)
ENSG00000247867 (1	ZNF614 (1.7)	OR4A21P (1.5)	DDB2 (1.4)	ENSG00000236267 (1
DNAH10 (2.5)	TSNAXIP1 (2.5)	MYO5B (2.5)	PSKH1 (2.5)	C1orf172 (2.5)
C16orf70 (2.1)	ESRP2 (1.9)	ETV5 (1.9)	DNAH10 (1.9)	TGM7 (1.9)
TRNP1 (2.5)	EXOC3L1 (2.4)	ENSG00000255507 (2	FZD9 (2.3)	CX3CL1 (2.3)
CKAP5 (2.9)	MPHOSPH9 (2.8)	CASC4 (2.4)	RNF214 (2.3)	DEPDC1 (2.2)
MYO5B (1.7)	SOST (1.6)	C17orf105 (1.6)	PPP1R1B (1.6)	EPB42 (1.6)
SFN (3.3)	CELF1 (3.0)	ESRP2 (3.0)	PVRL2 (3.0)	BCAM (2.9)
DNAH10 (3.4)	TP53BP1 (3.3)	MAP1A (3.1)	C11orf49 (2.5)	CKAP5 (2.2)
RAPSN (3.2)	TAGLN (3.0)	FRMD5 (2.3)	ARHGAP1 (2.1)	DUSP3 (1.7)
OR5I1 (2.1)	BMP8A (2.1)	ENSG00000181123 (2	MPP2 (2.1)	LRRC29 (2.0)
C7orf50 (2.1)	FNBP4 (1.7)	ABCA1 (1.6)	SLC7A6 (1.5)	ENSG00000247867 (1
ENSG00000247445 (2	OR5L2 (2.0)	ZNF614 (1.9)	LILRA3 (1.9)	CCL17 (1.8)
CYP26A1 (1.8)	PTPRZ1 (1.8)	GPER (1.7)	HSF4 (1.7)	ZNF615 (1.7)
RANBP10 (3.2)	SLC7A6OS (2.8)	NUDT21 (2.8)	WDR76 (2.5)	PARD6A (2.2)
GNAO1 (2.9)	SLC22A1 (2.5)	MAP1A (2.3)	ZDHHC18 (2.0)	TTBK2 (1.9)
SOST (2.2)	CYP26A1 (2.0)	RSPO3 (2.0)	PSKH1 (2.0)	REEP3 (1.9)
SOST (2.2)	CYP26A1 (2.0)	RSPO3 (2.0)	PSKH1 (2.0)	REEP3 (1.9)
SKA1 (3.2)	DEPDC1 (3.2)	C12orf65 (2.7)	MYO1H (2.6)	CENPT (2.4)
ACAA2 (2.2)	OGFOD1 (2.1)	DGKG (2.1)	ENSG00000254235 (1	SNX10 (1.8)
CLPTM1 (2.7)	RLTPR (2.4)	DGKG (2.4)	SLC9A5 (2.4)	NEUROD2 (2.3)
CLPTM1 (2.7)	RLTPR (2.4)	DGKG (2.4)	SLC9A5 (2.4)	NEUROD2 (2.3)
CCDC92 (2.2)	C11orf9 (2.1)	TRNP1 (2.1)	CPS1 (1.9)	REEP3 (1.9)

CCDC92 (2.3)	TRPS1 (2.3)	CYP26A1 (2.2)	REEP3 (1.9)	RAB11B (1.8)
KANK2 (2.5)	DUSP3 (2.4)	KCTD19 (2.3)	TRNP1 (1.9)	MT1F (1.9)
ZNF335 (2.3)	PCSK7 (2.3)	ZSCAN29 (2.1)	DPEP2 (2.0)	ENSG00000229043 (2
MAP1A (2.2)	TGM5 (2.2)	CX3CL1 (2.1)	DGKG (2.1)	SLC9A5 (1.9)
BAZ1B (2.9)	CKAP5 (2.9)	UBR1 (2.8)	TP53BP1 (2.7)	SPG11 (2.7)
DDB2 (3.7)	C16orf48 (3.5)	BAZ1B (3.3)	NUP160 (3.1)	NUDT21 (2.7)
CKAP5 (3.6)	TSNAXIP1 (3.5)	MPHOSPH9 (3.0)	MAP1A (2.9)	DNAH10 (2.8)
PNMT (2.0)	C17orf57 (2.0)	GFOD2 (1.8)	ENSG00000226645 (1	MED1 (1.7)
KANK2 (2.2)	C12orf65 (2.1)	DNAH10 (2.0)	TRIB1 (1.9)	TGM5 (1.9)
OR4A21P (2.8)	OR5I1 (2.4)	ZNF613 (2.0)	OR5J2 (2.0)	ENSG00000247867 (1
CCDC92 (2.3)	PTPRJ (2.1)	MAP1A (2.0)	GNAO1 (2.0)	ARHGAP1 (2.0)
CTDSPL2 (2.4)	ATG13 (2.2)	ARFGAP2 (2.2)	SFN (2.0)	MTCH2 (2.0)
KLF14 (2.6)	TGM7 (2.4)	OR5J2 (2.0)	ABCA8 (2.0)	MACF1 (1.9)
DOK4 (2.3)	RSPO3 (2.0)	LRP4 (2.0)	KANK2 (1.9)	ERBB2 (1.7)
PACSIN3 (2.5)	OR5J2 (2.3)	DOK4 (2.1)	SOST (2.0)	KCTD19 (2.0)
ENSG00000226645 (2	ZNF615 (2.3)	OR4A1P (2.0)	RSPO3 (2.0)	MYO1H (1.9)
TAGLN (2.2)	HNF4A (2.2)	DOK4 (1.7)	FRMD5 (1.7)	MST1R (1.6)
NEUROD2 (2.3)	DGKG (2.2)	CSGALNACT1 (2.1)	CX3CL1 (1.9)	GNAO1 (1.8)
PYY (2.0)	PTPRZ1 (1.8)	SPRYD5 (1.7)	RAPSN (1.6)	EXOC3L1 (1.6)
PLA2G15 (1.8)	NRBF2 (1.8)	PRMT7 (1.8)	SPG11 (1.8)	APOA1 (1.8)
CCNDBP1 (2.9)	DUS2L (2.4)	NUTF2 (2.3)	PTPMT1 (2.3)	TMEM101 (2.1)
RLTPR (2.7)	NEUROD2 (2.6)	GNAO1 (2.3)	TRNP1 (2.1)	MYO5B (2.0)
MYBPC3 (2.7)	PNMT (1.5)	DOK4 (1.3)	TAGLN (1.2)	DPEP2 (1.1)
CYP2W1 (2.6)	C11orf49 (2.4)	ZNF350 (2.4)	ENSG00000247867 (2	ENSG00000255507 (2
GNAO1 (2.6)	CMIP (2.4)	MPP3 (2.4)	CCDC11 (2.1)	HNF1A (2.1)
TAGLN (3.0)	PACSIN3 (2.8)	ARHGAP1 (2.8)	HNF1A (2.5)	KCTD19 (2.2)
MYO5B (2.3)	PPIP5K1 (2.1)	THAP11 (2.0)	DNAH10 (1.9)	ST3GAL4 (1.8)
GNAO1 (2.7)	ENSG00000236267 (2	C11orf9 (2.5)	TTBK2 (2.1)	NOL3 (2.1)
MAP1A (2.9)	C1QTNF4 (2.8)	SLC9A5 (2.6)	PARD6A (2.6)	STRC (2.5)
CITED2 (2.3)	ENSG00000229043 (2	CELSR2 (2.2)	ERBB2 (2.1)	ENSG00000255507 (1
PPIP5K1 (2.9)	CCNDBP1 (2.7)	FAM192A (2.7)	ENSG00000179523 (2	THAP11 (2.3)
MYBPC3 (2.7)	FZD9 (2.5)	IGF2R (2.4)	MACF1 (2.4)	FRMD5 (2.3)
MST1R (2.1)	TECTB (2.1)	RSPRY1 (2.1)	SLC39A13 (2.0)	KCTD6 (1.9)
OR5J2 (2.1)	TRPS1 (2.0)	C12orf65 (1.8)	ERBB2 (1.8)	RAPSN (1.8)
HNF1A (2.1)	PPP1R1B (2.1)	ABCB9 (2.1)	KCTD6 (2.1)	ENSG00000255507 (1
PACSIN3 (3.1)	HNF1A (2.5)	ARHGAP1 (2.4)	KCTD19 (2.3)	C16orf86 (2.2)
RSPRY1 (1.9)	DR1 (1.9)	KCTD19 (1.8)	FBXL20 (1.7)	ADAL (1.7)
C1orf172 (2.4)	LRP4 (2.1)	OR5L2 (2.1)	PSKH1 (2.0)	BCAM (2.0)
RBM6 (2.7)	UBR1 (2.6)	HDAC5 (2.4)	PCIF1 (2.2)	CCDC18 (2.2)
TAGLN (2.4)	C16orf86 (2.4)	DUSP3 (2.3)	KANK2 (2.2)	C17orf57 (2.2)
TOMM40 (2.7)	YDJC (2.6)	DUSP3 (2.4)	C12orf65 (2.2)	C16orf86 (1.9)
PTPRZ1 (2.5)	KCTD6 (2.3)	CYP26A1 (2.3)	KIAA0754 (2.2)	ESRP2 (2.2)
UBR1 (2.8)	BAZ1B (2.7)	FAM192A (2.6)	ENSG00000256746 (2	CES4A (2.4)
SPRYD5 (2.7)	HNF1A (2.4)	MON1A (2.2)	PNMT (2.0)	MPP3 (1.7)
KLF14 (2.4)	TGM7 (2.1)	OR5J2 (2.0)	ABCA8 (1.9)	IGF2R (1.9)
RANBP10 (2.6)	AFF1 (2.5)	NFATC3 (2.3)	BAZ1B (2.3)	OR4A21P (2.2)
LRP4 (2.6)	MYO5B (2.5)	BCAM (2.4)	TSNAXIP1 (2.4)	DNAH10 (2.4)
PTPMT1 (3.2)	MTCH2 (2.7)	PPIP5K1 (2.7)	CIAPIN1 (2.4)	COX19 (2.3)
ENSG00000236267 (2	BACE1 (2.3)	NEUROD2 (2.3)	OR5L2 (2.3)	MPP3 (2.2)
MPP3 (2.4)	GNAO1 (2.4)	SLC9A5 (2.4)	SNX13 (2.3)	CCDC92 (2.1)

ZNF259 (2.4)	SNORD58C (2.3)	EIF3J (2.2)	NUP160 (2.1)	BUD13 (2.1)
DOK4 (2.4)	SMPD3 (2.4)	SLC12A4 (2.3)	BCAM (2.1)	CYP26A1 (1.8)
CELSR2 (2.7)	TGM7 (2.0)	FRMD5 (1.9)	PTPRZ1 (1.8)	KIAA0895L (1.8)
ENSG00000255507 (2	HSF4 (2.3)	OR5L2 (2.0)	GLUL (1.9)	FRMD5 (1.8)
TRNP1 (2.3)	CCDC92 (2.1)	MPP2 (2.0)	ATG13 (2.0)	LILRA3 (1.9)
DGKG (2.4)	DUS2L (2.2)	KCTD19 (2.2)	BCAM (2.2)	CDK12 (2.0)
BCAM (2.1)	PVRL2 (2.0)	TNKS (1.9)	SFN (1.9)	CELSR2 (1.9)
LRRC29 (2.2)	PVRL2 (2.1)	FRMD5 (2.1)	RNF214 (2.0)	BMP8A (1.9)
AGBL2 (2.7)	MFAP1 (2.4)	TTBK2 (2.4)	C17orf105 (2.2)	GFOD2 (2.0)
C16orf48 (3.7)	DDB2 (3.4)	BAZ1B (2.8)	ACD (2.6)	NUDT21 (2.3)
C16orf48 (3.7)	DDB2 (3.4)	BAZ1B (2.8)	ACD (2.6)	NUDT21 (2.3)
CASC4 (2.3)	ZSCAN29 (2.2)	ENSG00000226334 (2	C18orf32 (2.2)	CCDC11 (2.2)
NCOA5 (2.3)	LCMT2 (2.0)	C16orf48 (2.0)	ADAL (1.9)	TTBK2 (1.8)
ENSG00000229043 (2	SEC14L4 (2.1)	ZSCAN29 (1.9)	CCNDBP1 (1.9)	NUTF2 (1.9)
NUDT21 (2.1)	PTPMT1 (2.0)	MPP3 (2.0)	C7orf50 (1.9)	GLUL (1.8)
ZNF408 (2.5)	RLTPR (2.4)	COX19 (2.2)	ENSG00000229043 (2	SLC7A6 (2.1)
RAPSN (2.2)	CYP2W1 (2.0)	GNAO1 (2.0)	MPP2 (1.7)	ENSG00000255507 (1
KIAA0754 (3.0)	KCTD10 (2.9)	ARHGAP1 (2.4)	MACF1 (2.4)	DOK4 (2.2)
SCARB1 (2.9)	ENSG00000181296 (2	SEC14L4 (2.4)	OR5L2 (2.3)	HNF1A (2.2)
MAP1A (2.8)	MYO5B (2.8)	CELF1 (2.7)	NEUROD2 (2.7)	PITPNM2 (2.7)
ENSG00000236267 (2	SFN (2.3)	ENSG00000256746 (2	ZNF350 (1.9)	LRRC29 (1.9)
SETD8 (2.3)	C17orf105 (2.2)	KIAA0895L (2.1)	TRNP1 (2.1)	NUTF2 (2.1)
RNF214 (2.6)	SPRYD5 (2.3)	ZSCAN29 (2.0)	ZNF350 (2.0)	DNAH10 (1.9)
OR5J2 (2.7)	PACSIN3 (2.5)	DOK4 (2.3)	ENSG00000255507 (2	FRMD5 (2.2)
KIAA0895L (2.1)	C1QTNF4 (2.0)	NOL3 (1.9)	MAP1A (1.9)	PNMT (1.9)
TRPS1 (2.1)	ENSG00000179523 (2	RAB11B (2.0)	CYP26A1 (1.9)	LRP4 (1.9)
ZNF259 (2.4)	NUTF2 (2.3)	OGFOD1 (2.2)	ENSG00000182109 (2	NUP160 (2.0)
TECTB (3.0)	STRC (2.6)	MT1E (2.5)	MT1M (2.5)	MT1X (2.4)
HNF1A (2.5)	KIAA0895L (2.1)	SPRYD5 (2.0)	C16orf86 (1.9)	LRRC29 (1.9)
C16orf48 (3.3)	TSNAXIP1 (3.0)	TTC39B (2.0)	CYP2W1 (2.0)	PYY (1.8)
AGBL2 (3.9)	TSNAXIP1 (3.6)	TP53BP1 (2.7)	C7orf50 (2.7)	TTBK2 (2.2)
MPP3 (2.7)	OR4A1P (2.6)	CD300LG (2.6)	C1QTNF4 (2.5)	GPIHBP1 (2.4)
MPP3 (2.7)	OR4A1P (2.6)	CD300LG (2.6)	C1QTNF4 (2.5)	GPIHBP1 (2.4)
MPP3 (2.7)	OR4A1P (2.6)	CD300LG (2.6)	C1QTNF4 (2.5)	GPIHBP1 (2.4)
MBD1 (1.9)	KCTD6 (1.7)	NUDT21 (1.7)	CBFB (1.7)	NUTF2 (1.7)
CMIP (2.0)	OR4A21P (1.9)	NUTF2 (1.8)	SLC7A6 (1.8)	PGAP3 (1.7)
DOCK6 (2.4)	TECTB (2.4)	ENSG00000229043 (2	GPIHBP1 (2.2)	PLTP (2.1)
MYO5B (2.6)	BACE1 (2.1)	PITPNM2 (2.1)	KLHL8 (2.0)	C12orf43 (2.0)
COQ9 (2.5)	GFOD2 (2.4)	ZNF335 (2.3)	TOMM40 (2.2)	NDUFS3 (2.2)
ENSG00000181296 (2	ENSG00000255507 (2	SLC12A3 (2.0)	CYP2W1 (2.0)	PYY (1.9)
SEC14L4 (2.3)	OR4A1P (2.3)	ENSG00000255507 (2	KIAA0895L (2.0)	ENSG00000236267 (1
DUSP3 (2.2)	UVRAG (2.2)	CCNDBP1 (2.2)	TMEM175 (2.1)	MADD (2.0)
ZNF335 (2.4)	PCSK7 (2.3)	CES4A (2.2)	NOL3 (2.1)	TMEM62 (2.1)
C1QTNF4 (3.5)	CX3CL1 (3.0)	MAP1A (2.9)	NEUROD2 (2.7)	CELSR2 (2.5)
C1QTNF4 (3.5)	CX3CL1 (3.0)	MAP1A (2.9)	NEUROD2 (2.7)	CELSR2 (2.5)
BAZ1B (3.0)	CTDSPL2 (2.8)	FEN1 (2.5)	KIAA0754 (2.5)	TUBGCP4 (2.5)
SFN (2.4)	ENSG00000256746 (2	TTBK2 (2.2)	LRRC29 (1.8)	SLC7A6OS (1.7)
KCTD10 (2.5)	STRC (2.3)	MYO1H (2.3)	PAFAH1B2 (2.3)	BCL7B (2.2)
NCOA5 (2.1)	TTBK2 (2.0)	ZNF615 (2.0)	ADAL (1.9)	CASC4 (1.9)
ENSG00000254235 (2	KCTD6 (2.5)	LRP4 (2.4)	CASC4 (2.1)	ABCB9 (1.9)

CATSPER2 (3.5)	STRC (2.6)	TUBGCP4 (2.5)	ACAA2 (2.5)	PTPMT1 (2.5)
MFAP1 (3.1)	CASC4 (3.1)	LCMT2 (3.0)	EIF3J (2.8)	BAZ1B (2.8)
ENSG00000226334 (2	LCMT2 (2.0)	YDJC (1.9)	FZD9 (1.7)	TECTB (1.7)
ERBB2 (1.9)	RAPSN (1.8)	TSNAXIP1 (1.8)	OR5J2 (1.8)	C12orf65 (1.8)
SKA1 (2.8)	BAZ1B (2.7)	C16orf48 (2.6)	NUP160 (2.6)	ZSCAN29 (2.5)
STRC (2.8)	ENSG00000247867 (2	KIAA0895L (2.6)	YDJC (2.4)	ENSG00000182109 (2
C17orf105 (2.0)	TTBK2 (1.9)	C16orf48 (1.8)	ADAL (1.8)	AFF1 (1.7)
OR4A1P (2.7)	MPP3 (2.6)	CD300LG (2.6)	GPIHBP1 (2.6)	ENSG00000181296 (2
OR4A1P (2.7)	MPP3 (2.6)	CD300LG (2.6)	GPIHBP1 (2.6)	ENSG00000181296 (2
SKA1 (2.5)	DEPDC1 (2.5)	MAP1A (2.4)	C18orf32 (2.3)	FEN1 (2.3)
C1QTNF4 (2.9)	MPP3 (2.5)	CDK12 (2.5)	PGAP3 (2.4)	MED1 (2.3)
EXOC3L1 (2.2)	DOK4 (2.1)	HSF4 (1.9)	SPRYD5 (1.9)	TGM5 (1.9)
FRMD5 (2.7)	COX19 (2.6)	C11orf9 (2.3)	KCTD19 (1.9)	TNKS (1.9)
ZNF408 (2.4)	ZNF615 (2.4)	LCMT2 (2.2)	XKR8 (2.2)	C12orf65 (2.2)
PPY (2.7)	DNAH10 (2.5)	ZNF615 (2.4)	ENSG00000179523 (1	ENSG00000229043 (1
DPEP2 (2.0)	XKR8 (2.0)	SNX13 (1.9)	PLA2G15 (1.9)	ENSG00000179523 (1
UBR1 (2.8)	CES4A (2.7)	ENSG00000226645 (2	MTF2 (2.7)	CCDC18 (2.6)
MPP3 (2.0)	OGFOD1 (1.9)	ZNF350 (1.9)	CITED2 (1.9)	LCMT2 (1.7)
NUP160 (2.9)	C16orf48 (2.9)	UVRAG (2.8)	DCPS (2.6)	BBS2 (2.5)
NUP93 (3.3)	C16orf48 (3.2)	PPIP5K1 (3.2)	MFAP1 (3.2)	WDR76 (3.1)
HNF1A (2.4)	IGF2R (2.1)	KANK2 (2.1)	MACF1 (2.1)	FZD9 (2.0)
SOST (2.8)	PTPRZ1 (2.8)	CYP2W1 (2.5)	KCTD6 (2.5)	CYP26A1 (2.0)
FRMD5 (2.3)	SETD8 (2.2)	HNF1A (1.8)	FZD9 (1.8)	MYBPC3 (1.7)
WDR76 (2.4)	KLHL8 (2.3)	C1orf172 (2.2)	BAZ1B (2.2)	XKR8 (2.0)
CTRL (2.9)	DNAH10 (2.5)	TGM7 (2.0)	ENSG00000247867 (2	DPEP3 (2.0)
CTRL (2.9)	DNAH10 (2.5)	TGM7 (2.0)	ENSG00000247867 (2	DPEP3 (2.0)
AGBL2 (2.5)	MYO5B (2.3)	TSNAXIP1 (2.1)	PYY (2.0)	TTC39B (2.0)
EXOC3L1 (2.3)	MYO1H (2.3)	TGM5 (2.2)	ENSG00000182109 (2	ENSG00000255507 (2
ENSG00000256746 (2	C1QTNF4 (2.4)	ENSG00000181123 (2	KIAA0754 (2.2)	ARHGAP1 (2.0)
C16orf48 (3.3)	ADAL (2.9)	CENPT (2.6)	PRMT7 (2.5)	ACD (2.4)
CCDC116 (2.3)	MT1E (2.1)	MT1F (2.1)	GNAO1 (2.0)	C1QTNF4 (2.0)
RAPSN (3.2)	ARHGAP1 (3.0)	KCTD10 (2.8)	KIAA0754 (2.4)	MACF1 (2.3)
GPER (3.0)	TRNP1 (2.5)	COBLL1 (2.4)	HNF1A (2.3)	CCDC92 (2.1)
PITPNM2 (2.3)	CASC4 (2.3)	ZNF613 (2.1)	C11orf49 (1.8)	LRRC29 (1.8)
ENSG00000181296 (2	C11orf9 (1.9)	RSPO3 (1.8)	MYO1H (1.8)	ENSG00000255507 (1
NOL3 (2.6)	PNMT (2.5)	KIAA0754 (2.4)	PGAP3 (2.3)	KCTD19 (2.3)
MAP1A (3.4)	CCDC92 (2.9)	MPP2 (2.9)	TRNP1 (2.8)	C1QTNF4 (2.3)
MAP1A (2.8)	C1QTNF4 (2.7)	C11orf49 (2.3)	C12orf43 (2.2)	MADD (2.2)
DUSP3 (2.4)	SETD8 (2.3)	ENSG00000223745 (2	DR1 (2.2)	PTPMT1 (2.2)
FZD9 (2.4)	ABCA8 (2.2)	KANK2 (2.1)	IGF2R (1.8)	ERBB2 (1.8)
ENSG00000226334 (1	ADAL (1.7)	PTPMT1 (1.6)	GLUL (1.5)	DPEP2 (1.5)
OR5I1 (3.3)	OR5J2 (2.8)	PYY (2.8)	GNAO1 (2.3)	CD300LG (2.2)
CASC4 (2.1)	MACF1 (2.0)	TMEM175 (2.0)	TAGLN (1.9)	SNX13 (1.9)
ADAL (2.0)	PPP1R1B (2.0)	MST1R (1.7)	DNAH10 (1.6)	C1orf172 (1.5)
ADAL (2.0)	PPP1R1B (2.0)	MST1R (1.7)	DNAH10 (1.6)	C1orf172 (1.5)
ADAL (2.0)	PPP1R1B (2.0)	MST1R (1.7)	DNAH10 (1.6)	C1orf172 (1.5)
MADD (2.7)	KIAA0895L (2.6)	PARD6A (2.5)	MPP3 (2.1)	BMP8A (1.9)
CES4A (2.9)	DPEP2 (2.6)	ZNF613 (2.4)	C17orf57 (2.3)	ZNF614 (2.2)
GNAO1 (2.4)	MT1M (2.0)	SLC9A5 (2.0)	SMPD3 (1.9)	C11orf9 (1.8)
C1QTNF4 (2.0)	STRC (1.9)	MPP3 (1.8)	LCAT (1.6)	TBKBP1 (1.5)

FEN1 (2.5)	ENSG00000182109 (2	NUP160 (2.2)	BBS2 (2.1)	WDR76 (2.1)
C12orf65 (2.5)	HSF4 (2.4)	KCTD19 (2.2)	TGM7 (2.1)	YDJC (2.0)
C12orf65 (2.5)	HSF4 (2.4)	KCTD19 (2.2)	TGM7 (2.1)	YDJC (2.0)
C12orf65 (2.5)	HSF4 (2.4)	KCTD19 (2.2)	TGM7 (2.1)	YDJC (2.0)
SETD8 (2.3)	ENSG00000182109 (2	HARBI1 (2.1)	CCDC11 (2.1)	STRC (2.0)
MT1M (1.9)	CCDC116 (1.9)	LCAT (1.9)	KLF14 (1.7)	MT1H (1.6)
C1QTNF4 (2.4)	AMBRA1 (2.3)	CASC4 (2.3)	BCL7B (2.2)	C1orf172 (2.1)
STRC (2.7)	KIAA0895L (2.7)	PARD6A (2.7)	NEUROD2 (2.6)	PPIP5K1 (2.6)
ENSG00000179523 (2	C1QTNF4 (2.3)	SPRYD5 (2.2)	TGM5 (1.9)	CCDC11 (1.9)
CETP (2.0)	PITPNM2 (2.0)	ENSG00000255507 (1	RBPJ (1.7)	ENSG00000226334 (1
MT1G (2.3)	UBR1 (2.3)	KIAA0754 (2.3)	MT1F (2.3)	PITPNM2 (2.3)
CENPT (2.1)	ENSG00000256746 (1	CCDC116 (1.9)	CASC4 (1.8)	SKA1 (1.8)
ZNF615 (2.4)	DNAH10 (2.1)	ZNF350 (2.1)	C16orf86 (1.9)	CYP26A1 (1.9)
ENSG00000181296 (2	SLC9A5 (2.5)	OR5I1 (2.2)	ENSG00000182109 (2	CCDC116 (2.1)
MPHOSPH9 (2.4)	C7orf50 (2.4)	DPEP3 (2.3)	TMEM175 (2.3)	RBM5 (2.0)
C1QTNF4 (2.4)	ENSG00000223745 (2	PITPNM2 (2.3)	GNAO1 (2.3)	TRNP1 (2.3)
RNF214 (2.7)	ZSCAN29 (2.4)	MON1A (1.9)	SPRYD5 (1.8)	ZNF408 (1.7)
NEUROD2 (2.5)	MADD (2.5)	PPIP5K1 (2.4)	STRC (2.2)	HSF4 (2.1)
OR5I1 (2.2)	TGM7 (2.2)	GPR146 (2.1)	GPIHBP1 (1.9)	SLC9A5 (1.9)
OR5I1 (2.2)	TGM7 (2.2)	GPR146 (2.1)	GPIHBP1 (1.9)	SLC9A5 (1.9)
CCDC116 (2.3)	APOA4 (2.1)	SMPD3 (2.1)	PITPNM2 (1.9)	MPP3 (1.9)
PITPNM2 (2.3)	ENSG00000236267 (2	ENSG00000247867 (2	GPER (1.9)	OR5L2 (1.8)
PITPNM2 (2.3)	ENSG00000236267 (2	ENSG00000247867 (2	GPER (1.9)	OR5L2 (1.8)
LSM12 (2.3)	C16orf48 (2.2)	SLC9A5 (2.1)	NUDT21 (2.1)	CENPT (2.0)
CD300LG (2.1)	TTC39B (2.1)	CELF1 (2.1)	MPP2 (2.0)	CATSPER2 (1.9)
FBXL20 (2.0)	GPER (1.9)	SFN (1.8)	TGM5 (1.7)	MIEN1 (1.7)
SETD8 (2.3)	SPG11 (2.1)	KLHL8 (2.1)	C11orf49 (2.0)	CITED2 (2.0)
PITPNM2 (2.4)	SLC9A5 (2.3)	UBR1 (2.3)	MT1G (2.1)	DNAH10 (2.1)
DOK4 (2.1)	SOST (2.0)	SLC7A6OS (2.0)	OR5I1 (2.0)	SLC9A5 (2.0)
COQ9 (3.4)	COX19 (2.8)	C18orf32 (2.7)	MTCH2 (2.7)	ZNF615 (2.7)
COQ9 (3.4)	COX19 (2.8)	C18orf32 (2.7)	MTCH2 (2.7)	ZNF615 (2.7)
KANK2 (2.6)	ABCA8 (2.5)	KCTD19 (2.1)	IGF2R (2.0)	ERBB2 (1.9)
BACE1 (2.8)	DGKG (2.8)	RLTPR (2.7)	MADD (2.7)	TTBK2 (2.5)
KLF14 (2.2)	ENSG00000229043 (2	PSKH1 (1.8)	HNF1A (1.8)	ENSG00000256746 (1
PACSIN3 (2.5)	ENSG00000247867 (2	PDE3A (2.2)	MYBPC3 (2.1)	C16orf86 (2.1)
ZNF615 (1.7)	ADAL (1.6)	GFOD2 (1.4)	KLF14 (1.4)	YDJC (1.4)
CCDC11 (2.6)	MPHOSPH9 (2.5)	BUD13 (2.5)	BBS2 (2.4)	TP53BP1 (2.3)
PNMT (2.9)	PDE3A (2.5)	ARHGAP1 (2.2)	TAGLN (2.1)	DOK4 (2.0)
GPR146 (2.1)	OR5I1 (2.1)	TGM7 (2.1)	DPEP2 (2.1)	GPIHBP1 (1.9)
MYO5B (2.6)	C1QTNF4 (2.1)	C12orf43 (2.0)	TRNP1 (2.0)	BACE1 (2.0)
STRC (2.7)	SKA1 (2.6)	CASC4 (2.4)	DEPDC1 (2.4)	OR5L2 (2.3)
TMEM208 (2.9)	PDHB (2.6)	ADAL (2.6)	MTCH2 (2.5)	FAM192A (2.5)
CES4A (2.4)	YDJC (2.0)	PNMT (2.0)	CCDC11 (2.0)	C16orf86 (1.9)
SKA1 (2.6)	OR5L2 (2.6)	ZSCAN29 (2.6)	DEPDC1 (2.5)	CASC4 (2.3)
SKA1 (2.6)	OR5L2 (2.6)	ZSCAN29 (2.6)	DEPDC1 (2.5)	CASC4 (2.3)
SKA1 (2.6)	OR5L2 (2.6)	ZSCAN29 (2.6)	DEPDC1 (2.5)	CASC4 (2.3)
RBM6 (2.5)	NUP160 (2.5)	GPN2 (2.5)	BUD13 (2.5)	PRMT7 (2.5)
OR5I1 (2.3)	ENSG00000255507 (2	KIAA0895L (1.9)	SFN (1.9)	PTPRZ1 (1.9)
ENSG00000255507 (2	KLHL8 (2.0)	DNAH10 (1.9)	ENSG00000247867 (1	C16orf48 (1.7)
KCTD19 (2.3)	C11orf49 (2.0)	ENSG00000255507 (2	DGKG (1.9)	MPP2 (1.7)

ENSG00000181123 (2	ENSG00000181296 (2	C17orf57 (1.9)	DNAH10 (1.8)	CELF1 (1.8)
PTPRZ1 (2.7)	SOST (2.6)	CYP26A1 (2.5)	KCTD6 (2.4)	CYP2W1 (2.0)
ENSG00000181296 (2	OR5I1 (1.9)	ENSG00000255507 (1	MPP2 (1.8)	MVK (1.8)
ENSG00000181296 (2	MPP2 (2.3)	FZD9 (2.0)	PNMT (2.0)	HSF4 (1.9)
KLF14 (2.0)	GNAO1 (1.8)	STRC (1.8)	MPP3 (1.8)	B3GNT9 (1.8)
C17orf57 (2.2)	MPP3 (2.2)	MPP2 (2.2)	ENSG00000181296 (2	ENSG00000256746 (1
NRBF2 (2.8)	ENSG00000226645 (2	DGKG (2.3)	BUD13 (2.2)	SLC7A6OS (2.2)
TP53BP1 (2.1)	MST1R (2.1)	PTPRZ1 (1.9)	CELSR2 (1.9)	MPP3 (1.9)
ENSG00000181296 (2	DPEP2 (2.0)	ENSG00000181123 (2	COX19 (2.0)	KCTD6 (1.9)
TRNP1 (2.9)	PITPNM2 (2.7)	C1QTNF4 (2.4)	DPEP2 (2.4)	CETP (2.2)
C17orf105 (2.3)	EPB42 (2.3)	CES4A (2.0)	FRMD5 (2.0)	GPER (2.0)
ENSG00000247445 (2	C1QTNF4 (2.6)	ENSG00000226334 (2	PPP1R1B (2.4)	FRMD5 (2.3)
DGKG (2.4)	ENSG00000181123 (2	SIDT2 (2.0)	ETV5 (2.0)	ABCB9 (1.9)
NEUROD2 (2.0)	CSGALNACT1 (2.0)	MT1E (1.8)	MT1F (1.7)	TMEM62 (1.7)
RSPRY1 (1.9)	TTBK2 (1.8)	REEP3 (1.8)	SFN (1.8)	CYP26A1 (1.8)
CELSR2 (2.1)	OR4A21P (2.1)	CES4A (2.1)	ENSG00000226645 (2	C11orf49 (2.0)
OR5I1 (2.0)	ENSG00000226334 (2	SLC39A13 (1.9)	NRBF2 (1.9)	HARBI1 (1.8)
C11orf49 (4.7)	BBS2 (4.5)	C16orf48 (4.5)	TP53BP1 (3.3)	CATSPER2 (2.1)
SKA1 (3.1)	DDB2 (2.8)	ADAL (2.7)	CENPT (2.4)	NUP160 (2.3)
RSPO3 (1.9)	OR5I1 (1.8)	TECTB (1.7)	PTPRZ1 (1.6)	FZD9 (1.6)
CCNDBP1 (3.0)	RANBP10 (3.0)	RNF214 (2.9)	ARFGAP2 (2.5)	UBE3B (2.4)
CCDC92 (2.8)	CCDC11 (2.4)	PLA2G6 (2.3)	ENSG00000247445 (2	DNAH10 (2.0)
C16orf48 (4.6)	BBS2 (3.9)	C11orf49 (3.8)	TP53BP1 (2.3)	DNAH10 (2.1)
MYO5B (2.3)	ABCB9 (2.1)	OR5J2 (2.1)	PPP1R1B (1.9)	TRNP1 (1.9)
ZNF615 (2.7)	SMPD3 (2.3)	DNAH10 (2.1)	C16orf86 (2.1)	ZSCAN29 (2.0)
TAGLN (2.5)	KANK2 (2.3)	ZNF613 (2.3)	C16orf86 (2.2)	NOL3 (2.2)
GNAO1 (4.5)	MADD (3.2)	TRNP1 (2.8)	RLTPR (2.4)	C1QTNF4 (2.4)
STRC (2.2)	MYO1H (2.1)	DNAH10 (2.1)	GPER (2.1)	OR4A21P (2.0)
WDR76 (2.4)	MPHOSPH9 (2.4)	C16orf48 (2.2)	BAZ1B (2.2)	ADAL (2.2)
PCSK7 (2.1)	ENSG00000256746 (2	OR5J2 (2.0)	PITPNM2 (1.9)	ENSG00000236267 (1
C7orf50 (2.9)	PTPMT1 (2.6)	ENSG00000226645 (2	TOMM40 (2.4)	OR5L2 (2.3)
ZNF259 (2.1)	FNBP4 (1.9)	ENSG00000236267 (1	RBM5 (1.6)	ENSG00000226645 (1
C1QTNF4 (2.1)	KIAA0895L (2.1)	LRRC29 (2.1)	SLC9A5 (1.9)	TGM5 (1.8)
PLEKHG4 (2.7)	OGFOD1 (2.2)	C16orf86 (2.1)	ENSG00000182109 (1	TRADD (1.9)
PLEKHG4 (2.7)	OGFOD1 (2.2)	C16orf86 (2.1)	ENSG00000182109 (1	TRADD (1.9)
ENSG00000236267 (2	OR4A21P (1.6)	ZNF614 (1.5)	COX19 (1.5)	ENSG00000247867 (1
CPNE2 (1.9)	MADD (1.8)	CYP2W1 (1.8)	PNMT (1.7)	PARD6A (1.6)
OR5L2 (2.6)	PITPNM2 (2.6)	OR5I1 (2.1)	OR4A1P (2.1)	CCDC116 (2.0)
SKA1 (2.4)	STRC (2.3)	ZSCAN29 (2.3)	DEPDC1 (2.3)	CASC4 (2.2)
MST1R (1.8)	DOK4 (1.7)	PLEKHG4 (1.7)	MT1F (1.6)	TGM5 (1.6)
TTBK2 (2.4)	TGM5 (2.2)	TMEM62 (2.2)	MYO1H (2.1)	ZNF664 (2.1)
PARD6A (2.2)	CASC4 (2.2)	TP53BP1 (2.1)	FRMD5 (2.1)	MPP3 (2.1)
C16orf48 (3.7)	C11orf49 (3.3)	FRMD5 (3.1)	BBS2 (3.0)	MYBPC3 (2.8)
PTPMT1 (2.9)	TOMM40 (2.7)	C7orf50 (2.5)	C18orf32 (2.3)	ENSG00000226645 (2
C17orf105 (2.2)	SNORD58C (2.1)	NUTF2 (1.9)	TRNP1 (1.8)	ZNF614 (1.7)
TAGLN (3.1)	MYBPC3 (1.9)	PNMT (1.6)	KCTD19 (1.3)	GNAO1 (1.3)
CCDC116 (2.5)	PTPRJ (2.5)	DOCK6 (2.3)	ZNF615 (2.3)	MPP3 (2.1)
MAP1A (2.2)	KCTD6 (2.2)	RAB11B (2.1)	CELF1 (2.1)	RNF214 (2.0)
ENSG00000247867 (1	LSM12 (1.8)	ESRP2 (1.8)	RBM6 (1.7)	LRRC29 (1.7)
MAP1A (2.6)	ABCA8 (2.6)	BACE1 (2.6)	PPP1R1B (2.6)	PYY (2.4)

GPR146 (2.2)	OR5I1 (2.1)	CCDC116 (2.1)	GPIHBP1 (2.0)	DPEP2 (2.0)
FRMD5 (2.4)	C1QTNF4 (2.4)	CPNE2 (2.3)	CELSR2 (2.1)	CX3CL1 (2.0)
ENSG00000182109 (2	GNAO1 (2.1)	TBKBP1 (2.1)	CCDC92 (2.1)	TRNP1 (2.0)
C17orf105 (2.9)	TMEM175 (2.8)	PTPMT1 (2.6)	C11orf49 (2.5)	DUS2L (2.5)
C17orf105 (2.9)	TMEM175 (2.8)	PTPMT1 (2.6)	C11orf49 (2.5)	DUS2L (2.5)
C17orf105 (2.9)	TMEM175 (2.8)	PTPMT1 (2.6)	C11orf49 (2.5)	DUS2L (2.5)
C1QTNF4 (2.8)	PPP1R1B (2.7)	MAP1A (2.5)	OR4A1P (2.5)	MPP2 (2.4)
C17orf105 (2.3)	KBTBD4 (2.3)	ENSG00000179523 (2	C12orf43 (2.2)	AGBL2 (2.2)
ENSG00000247867 (2	ZSCAN29 (2.2)	ZNF408 (2.0)	ENSG00000182109 (1	CCDC116 (1.9)
ZNF259 (2.0)	GALNT2 (1.9)	OR4A21P (1.8)	CCDC92 (1.7)	XKR8 (1.7)
ENSG00000255507 (2	MED1 (2.7)	FRMD5 (2.6)	SPRYD5 (2.5)	CDK12 (2.5)
TGM5 (2.2)	MPP2 (2.2)	PNMT (1.9)	ENSG00000247445 (1	G6PC3 (1.6)
SLC9A5 (2.8)	C1QTNF4 (2.6)	PACSIN3 (2.6)	ENSG00000181296 (2	MAP1A (2.5)
C1QTNF4 (3.2)	MAP1A (3.2)	MADD (3.1)	MPP3 (2.7)	SLC9A5 (2.3)
BMP8A (2.3)	LRP4 (2.2)	EXOC3L1 (2.2)	ENSG00000229043 (2	NOL3 (2.0)
HSF4 (2.3)	MPP2 (2.2)	C12orf65 (2.1)	ZSCAN29 (2.1)	TMEM175 (2.0)
COQ9 (3.5)	COX19 (3.0)	PPIP5K1 (2.7)	MTCH2 (2.7)	ZNF615 (2.7)
MFAP1 (3.2)	CTDSPL2 (2.9)	ACD (2.7)	PARD6A (2.6)	MPHOSPH9 (2.5)
RLTPR (2.8)	MAP1A (2.8)	CES4A (2.6)	ABCB9 (2.5)	MPP2 (2.4)
CASC4 (2.0)	MIEN1 (2.0)	UBE2L3 (1.9)	ENSG00000255507 (1	DCPS (1.9)
FZD9 (2.2)	LRP4 (2.2)	HNF1A (2.2)	TBKBP1 (2.1)	PACSIN3 (2.0)
CCDC18 (3.1)	DDB2 (3.0)	MTF2 (3.0)	SKA1 (2.9)	CKAP5 (2.8)
MPP2 (3.4)	BACE1 (2.7)	CELSR2 (2.4)	MADD (2.4)	DGKG (2.4)
SFN (1.8)	C16orf70 (1.8)	OR5J2 (1.7)	CCDC92 (1.7)	TGM7 (1.6)
MPP3 (2.1)	OR5L2 (2.0)	C11orf9 (2.0)	AMFR (1.9)	BCAM (1.6)
PXK (1.9)	ENSG00000247867 (1	TBKBP1 (1.9)	ENSG00000182109 (1	DNAH10 (1.7)
CYP26A1 (2.0)	ENSG00000247867 (1	SLC7A6 (1.8)	RSPRY1 (1.7)	PSKH1 (1.6)
PGAP3 (2.1)	RSPO3 (2.0)	FBXL20 (2.0)	CCDC116 (1.9)	C17orf57 (1.9)
PITPNM2 (2.2)	TRNP1 (2.2)	PPP1R1B (2.0)	PPIP5K1 (2.0)	MPP2 (1.9)
OR5L2 (2.5)	PITPNM2 (2.4)	OR4A1P (2.2)	OR5I1 (2.1)	CCDC116 (2.0)
MYBPC3 (2.5)	FRMD5 (2.5)	FZD9 (2.4)	MACF1 (2.4)	PNMT (2.3)
GFOD2 (2.7)	TSNAXIP1 (2.7)	HARBI1 (2.6)	TUBGCP4 (2.5)	ENSG00000179523 (2
RLTPR (2.4)	DGKG (2.3)	PLEKHG4 (2.2)	SNX13 (2.0)	ABCB9 (1.9)
ENSG00000179523 (2	OR5J2 (1.7)	CYP26A1 (1.7)	B3GNT9 (1.6)	DOK4 (1.6)
DGKG (2.9)	RLTPR (2.8)	MAP1A (2.8)	PITPNM2 (2.5)	NRBF2 (2.5)
MAP1A (2.2)	GNAO1 (2.2)	ABCB9 (2.0)	PNMT (1.9)	SLC9A5 (1.8)
RLTPR (2.5)	TRNP1 (2.5)	NEUROD2 (2.5)	MYO5B (2.3)	PPIP5K1 (2.0)
MPP2 (2.4)	ENSG00000255507 (2	TMEM62 (2.0)	RLTPR (1.9)	HSF4 (1.7)
PLEKHG4 (2.0)	MYO1H (1.8)	ENSG00000181296 (1	ENSG00000181123 (1	OR5L2 (1.8)
PDHB (2.8)	PPIP5K1 (2.5)	C18orf32 (2.3)	PSMB10 (1.9)	TMEM208 (1.9)
C11orf49 (2.2)	RSPO3 (2.2)	ABCB9 (2.0)	GLUL (2.0)	ENSG00000229043 (1
DOK4 (3.0)	AGBL2 (2.7)	PPP1R1B (2.3)	TRADD (2.3)	PLA2G6 (2.2)
ENSG00000182109 (2	KLF14 (2.5)	TGM7 (2.4)	MYO1H (2.2)	EXOC3L1 (2.2)
AFF1 (2.1)	ZNF615 (2.0)	ADAL (1.8)	CASC4 (1.8)	LCMT2 (1.8)
ACD (3.2)	MFAP1 (3.1)	PARD6A (3.1)	DDB2 (3.1)	TUBGCP4 (2.9)
SOST (2.1)	TGM7 (2.0)	ERBB2 (1.9)	REEP3 (1.9)	CYP26A1 (1.9)
SOST (2.1)	TGM7 (2.0)	ERBB2 (1.9)	REEP3 (1.9)	CYP26A1 (1.9)
CCDC11 (2.3)	TSNAXIP1 (2.3)	PAFAH1B2 (2.0)	KLHL8 (2.0)	TNKS (1.8)
SPG11 (2.1)	PSMB10 (1.9)	BMP8A (1.9)	CATSPER2 (1.9)	DPEP3 (1.9)
OR5I1 (2.4)	ESRP2 (2.3)	SIDT2 (2.1)	BCAM (2.1)	C11orf9 (1.9)

SLC9A5 (3.1)	C1QTNF4 (2.8)	CD300LG (2.2)	OR4A1P (2.1)	MPP3 (2.0)
FZD9 (2.4)	RSPRY1 (2.3)	ENSG00000247867 (2	GRB7 (2.2)	ZNF664 (2.2)
MPP2 (3.1)	MAP1A (2.7)	MADD (2.7)	RLTPR (2.6)	PARD6A (2.4)
PLEKHG4 (3.3)	CATSPER2 (2.6)	WDR76 (1.9)	TGM7 (1.9)	AGBL2 (1.6)
PITPNM2 (2.6)	MAP1A (2.6)	CELSR2 (2.5)	ABCB9 (2.3)	CX3CL1 (2.2)
PITPNM2 (2.6)	MAP1A (2.6)	CELSR2 (2.5)	ABCB9 (2.3)	CX3CL1 (2.2)
ABCB9 (2.3)	SPRYD5 (2.3)	COX19 (2.2)	MYO1H (2.2)	CYP2W1 (2.1)
LCMT2 (2.0)	C17orf105 (2.0)	ZNF615 (1.8)	AFF1 (1.7)	ADAL (1.7)
MADD (2.5)	TRNP1 (2.2)	RLTPR (2.1)	MAP1A (2.1)	CCDC92 (2.0)
OR5J2 (2.0)	SOST (2.0)	ERBB2 (2.0)	CYP26A1 (1.9)	REEP3 (1.8)
OR5J2 (2.0)	SOST (2.0)	ERBB2 (2.0)	CYP26A1 (1.9)	REEP3 (1.8)
ENSG00000179523 (2	RSPRY1 (1.8)	PSKH1 (1.8)	NOL3 (1.7)	EYA3 (1.7)
NEUROD2 (1.7)	MT1M (1.6)	MT1H (1.5)	YDJC (1.5)	CCDC116 (1.5)
KIAA0895L (2.0)	FRMD5 (2.0)	MPP3 (1.9)	KLF14 (1.9)	TNKS (1.8)
MYBPC3 (2.4)	ABHD6 (2.3)	FRMD5 (2.2)	CITED2 (2.2)	ARID1A (2.1)
MYBPC3 (2.4)	ABHD6 (2.3)	FRMD5 (2.2)	CITED2 (2.2)	ARID1A (2.1)
PCSK7 (2.1)	ENSG00000229043 (2	ABCB9 (2.0)	ENSG00000236267 (1	PITPNM2 (1.8)
CCDC18 (2.4)	BACE1 (2.2)	C11orf49 (2.1)	ENSG00000223745 (2	FRMD5 (2.0)
KCTD6 (2.2)	CCDC116 (2.1)	EXOC3L1 (2.1)	PTPRZ1 (2.1)	HSF4 (1.9)
RAPSN (2.9)	MYBPC3 (1.5)	KCTD10 (1.4)	ARHGAP1 (1.4)	PNMT (1.4)
MT1G (1.8)	ABCB9 (1.8)	OR4A1P (1.8)	GPER (1.8)	DGKG (1.7)
ESRP2 (2.3)	MYO5B (2.0)	CXXC1 (2.0)	PCSK7 (1.9)	ZNF408 (1.8)
BCAM (2.8)	PVRL2 (2.8)	ESRP2 (2.5)	CCDC92 (2.4)	CYP2W1 (2.3)
C12orf65 (3.4)	HARBI1 (3.2)	ZNF350 (3.1)	ENSG00000181296 (3	NRBF2 (2.5)
PNMT (2.1)	C16orf86 (1.2)	CD36 (1.2)	CYP2W1 (1.2)	C17orf105 (1.2)
ENSG00000181296 (2	C1QTNF4 (2.7)	OR4A1P (2.7)	MPP3 (2.6)	CD300LG (2.4)
ENSG00000181296 (2	OR4A1P (2.6)	C1QTNF4 (2.6)	MPP3 (2.4)	CD300LG (2.4)
ENSG00000181296 (2	OR4A1P (2.6)	C1QTNF4 (2.6)	MPP3 (2.4)	CD300LG (2.4)
KCTD6 (2.1)	ZNF259 (2.0)	GALNT2 (1.8)	CCDC92 (1.7)	LRRC29 (1.7)
CCNDBP1 (2.9)	DUS2L (2.6)	THAP11 (2.2)	HARBI1 (2.1)	KBTBD4 (2.1)
CCNDBP1 (2.9)	DUS2L (2.6)	THAP11 (2.2)	HARBI1 (2.1)	KBTBD4 (2.1)
OR5I1 (2.5)	MTCH2 (2.5)	REEP3 (2.3)	PGAP3 (2.2)	PPIP5K1 (2.2)
KIAA0895L (2.4)	OR4A21P (2.3)	ENSG00000247867 (2	TSNAXIP1 (1.9)	ZNF614 (1.8)
CCDC11 (2.5)	ZNF614 (2.4)	KLHL8 (2.2)	ENSG00000223745 (2	DGKG (2.1)
TOMM40 (2.7)	PTPMT1 (2.6)	C7orf50 (2.6)	C18orf32 (2.4)	ENSG00000226645 (2
GNAO1 (2.1)	C1QTNF4 (2.0)	PTPRZ1 (2.0)	OR5I1 (2.0)	C11orf9 (1.6)
GNAO1 (2.1)	C1QTNF4 (2.0)	PTPRZ1 (2.0)	OR5I1 (2.0)	C11orf9 (1.6)
LRRC29 (2.8)	AGBL2 (2.6)	ENSG00000226334 (2	CASC4 (1.8)	COX19 (1.8)
MPP2 (2.8)	PITPNM2 (2.7)	ABCB9 (2.5)	PPP1R1B (2.2)	DGKG (2.1)
MPP2 (2.8)	PITPNM2 (2.7)	ABCB9 (2.5)	PPP1R1B (2.2)	DGKG (2.1)
SLC12A4 (2.6)	BCAM (2.4)	SOST (2.4)	TRPS1 (1.8)	LRP4 (1.8)
ENSG00000181296 (2	FZD9 (2.0)	CES4A (2.0)	HSF4 (2.0)	ENSG00000229043 (1
ENSG00000255507 (2	TRNP1 (2.0)	OR5I1 (2.0)	C1QTNF4 (2.0)	ZNF408 (1.9)
ENSG00000255507 (2	TRNP1 (2.0)	OR5I1 (2.0)	C1QTNF4 (2.0)	ZNF408 (1.9)
DGKG (2.7)	GPER (2.5)	MT1E (2.4)	C1QTNF4 (2.2)	PITPNM2 (2.2)
FNBP4 (2.4)	ENSG00000226334 (2	EIF3J (2.1)	KPNB1 (1.9)	UBE2L3 (1.8)
C1QTNF4 (2.7)	PPP1R1B (2.7)	GNAO1 (2.5)	MPP2 (2.5)	OR4A1P (2.5)
PTPMT1 (2.1)	CATSPER2 (1.9)	PSMB10 (1.9)	BMP8A (1.7)	C17orf105 (1.7)
MAP1A (2.8)	GNAO1 (2.8)	PPP1R1B (2.6)	ABCB9 (2.0)	DGKG (1.9)
ENSG00000181123 (2	ZNF350 (2.2)	CCNDBP1 (2.2)	C11orf49 (2.2)	ZNF614 (2.1)

ENSG00000181123 (2	ZNF350 (2.2)	CCNDBP1 (2.2)	C11orf49 (2.2)	ZNF614 (2.1)
RSPO3 (2.0)	DOK4 (2.0)	SPRYD5 (1.9)	SMPD3 (1.9)	SLC12A4 (1.7)
MYBPC3 (2.6)	RSPO3 (2.6)	SLC9A5 (2.2)	FZD9 (2.1)	PVRL2 (1.7)
PITPNM2 (2.2)	ENSG00000182109 (2	ENSG00000181123 (2	SLC12A3 (2.0)	MAP1A (1.9)
GNAO1 (2.2)	OR5I1 (2.1)	C1QTNF4 (1.9)	PTPRZ1 (1.9)	CYP2W1 (1.6)
ENSG00000247867 (3	CTDSPL2 (3.0)	C16orf48 (2.6)	SPG11 (2.5)	BUD13 (2.4)
ENSG00000181123 (2	OR4A21P (2.0)	ABCB9 (2.0)	C1QTNF4 (1.9)	GNAO1 (1.9)
CATSPER2 (2.0)	CCDC11 (1.9)	PLEKHG4 (1.9)	ENSG00000226334 (1	AGBL2 (1.6)
KCTD19 (2.3)	TMEM175 (2.2)	SBNO1 (1.9)	KCTD6 (1.8)	CATSPER2 (1.5)
EYA3 (1.9)	CYP26A1 (1.7)	PNMT (1.7)	MTMR3 (1.7)	CCDC116 (1.6)
CCDC11 (2.0)	ST3GAL4 (2.0)	OR5J2 (2.0)	EXOC3L1 (1.8)	C11orf9 (1.8)
MPP3 (2.1)	CSGALNACT1 (2.0)	MADD (2.0)	ENSG00000247867 (2	ENSG00000256746 (2
NAGS (1.5)	PPP1R1B (1.4)	NOL3 (1.4)	PIGV (1.3)	CASC4 (1.3)
CCDC116 (2.4)	KIAA0754 (2.2)	ENSG00000181123 (2	PITPNM2 (2.1)	C1QTNF4 (2.1)
MADD (2.5)	MAP1A (2.5)	CCDC92 (2.3)	RLTPR (2.3)	HSF4 (2.1)
DNAH10 (2.8)	OR5I1 (2.4)	STRC (2.3)	OR4A21P (2.1)	MYO1H (2.0)
ENSG00000255507 (2	FZD9 (2.0)	TGM7 (2.0)	PYY (1.9)	BMP8A (1.7)
NUTF2 (2.4)	EIF3J (2.1)	NUP160 (2.0)	RBM6 (2.0)	ZNF614 (1.8)
GRB7 (2.3)	DYM (2.2)	GALNT2 (2.1)	RSPRY1 (2.0)	PLA2G15 (2.0)
GNAO1 (2.7)	C1QTNF4 (1.9)	BMP8A (1.9)	MAP1A (1.8)	SLC9A5 (1.8)
ENSG00000256746 (2	CYP2W1 (2.1)	GPER (2.0)	OR5I1 (2.0)	TGM5 (2.0)
OR4A21P (3.0)	TRPS1 (2.4)	OR4A1P (2.4)	ENSG00000179523 (2	ZSCAN29 (2.2)
ABCB9 (2.1)	OR5J2 (2.1)	PPP1R1B (2.1)	C1QTNF4 (1.9)	MPP2 (1.9)
C1QTNF4 (2.2)	CCDC116 (2.2)	PITPNM2 (2.1)	KIAA0754 (2.0)	ENSG00000182109 (2
ZNF664 (3.0)	MACF1 (2.9)	CELF1 (2.7)	ENSG00000223745 (2	IGF2R (2.3)
BMP8A (2.4)	TRNP1 (2.2)	OR4A1P (2.2)	TGM5 (2.1)	GNAO1 (2.1)
TGM7 (2.4)	PPY (2.4)	C17orf105 (2.0)	ZNF350 (1.8)	TGM5 (1.8)
UVRAG (1.9)	SLC7A6OS (1.7)	RSPO3 (1.6)	CCDC11 (1.5)	DNAH10 (1.5)
DPEP3 (2.4)	CCDC92 (2.3)	GNAO1 (2.2)	TRNP1 (2.1)	MPP2 (2.0)
ZNF615 (1.9)	ERBB2 (1.8)	OR5J2 (1.6)	CCDC92 (1.5)	ENSG00000226334 (1
RSPRY1 (2.3)	DPEP3 (2.3)	CSGALNACT1 (1.9)	DGKG (1.9)	C17orf57 (1.6)
GNAO1 (2.4)	OR5I1 (2.2)	C1QTNF4 (2.1)	MAP1A (1.8)	PTPRZ1 (1.7)
COQ9 (3.1)	ZNF615 (3.0)	COX19 (2.8)	MTCH2 (2.6)	ENSG00000255507 (2
SLC12A4 (2.2)	SFN (2.2)	OR4A1P (2.1)	SOST (2.0)	ENSG00000229043 (2
C12orf65 (2.3)	ENSG00000182109 (2	TECTB (2.2)	C16orf86 (2.1)	ENSG00000181296 (2
COQ9 (3.4)	PACSIN3 (3.0)	PDHB (2.8)	GNAO1 (2.6)	CIAPIN1 (2.0)
TRPS1 (1.9)	SOST (1.9)	CYP26A1 (1.9)	PPP1R1B (1.9)	SPRYD5 (1.8)
CELSR2 (2.1)	PNMT (2.0)	MPP3 (2.0)	KIAA0895L (2.0)	RNF214 (1.9)
KLF14 (2.0)	OR5J2 (2.0)	RSPRY1 (1.9)	OR4A1P (1.9)	PNMT (1.8)
MIEN1 (2.4)	PSMC3 (2.3)	ENSG00000247867 (2	KBTBD4 (2.2)	TOMM40 (1.9)
GNAO1 (3.1)	MAP1A (2.9)	RLTPR (2.6)	DGKG (2.4)	CX3CL1 (2.3)
SIDT2 (2.3)	CYP26A1 (1.9)	ESRP2 (1.9)	C11orf9 (1.9)	OR5I1 (1.8)
OR5I1 (2.6)	STRC (2.6)	FZD9 (2.2)	FADS2 (1.9)	SPRYD5 (1.6)
MPP3 (2.2)	PITPNM2 (2.2)	MAP1A (2.2)	CX3CL1 (2.1)	NEUROD2 (2.0)
WDR76 (2.2)	ENSG00000256746 (2	DPEP3 (2.1)	SKA1 (1.9)	CES4A (1.9)
CCDC116 (2.3)	ENSG00000181123 (2	ZNF613 (1.7)	OR5I1 (1.7)	C1QTNF4 (1.7)
C7orf50 (2.6)	PLEKHG4 (2.4)	NOL3 (2.4)	SPG11 (2.4)	ENSG00000223745 (2
ENSG00000226334 (1	PGAP3 (1.8)	KCTD19 (1.8)	MTMR3 (1.7)	C17orf57 (1.6)
SKA1 (3.6)	BAZ1B (3.4)	NUP160 (2.9)	CTDSPL2 (2.9)	DDB2 (2.8)
PCSK7 (2.2)	STRC (1.9)	MPP3 (1.8)	YDJC (1.8)	C16orf86 (1.8)

NEUROD2 (2.2)	ABCB9 (2.2)	MYO5B (2.0)	GRB7 (2.0)	TRNP1 (1.9)
FRMD5 (2.3)	TGM5 (2.2)	SETD8 (2.0)	OR5I1 (2.0)	HSF4 (2.0)
CES4A (2.5)	PNMT (2.0)	ENSG00000181123 (1	KCTD6 (1.8)	C17orf105 (1.6)
DDB2 (3.6)	NUP160 (3.2)	FEN1 (2.9)	ACD (2.9)	OR5L2 (2.8)
NEUROD2 (2.0)	LCAT (1.9)	PPP1R1B (1.8)	PTPRZ1 (1.8)	CYP2W1 (1.5)
KCTD19 (2.1)	UVRAG (1.9)	ENSG00000182109 (1	TMEM101 (1.7)	BCAM (1.6)
CPNE2 (2.6)	CD300LG (2.4)	PPP1R1B (2.3)	ZNF335 (2.2)	GPER (2.1)
NEUROD2 (2.1)	NOL3 (2.0)	HSF4 (2.0)	ABCB9 (1.8)	C1QTNF4 (1.8)
ENSG00000181123 (1	RSPO3 (1.8)	NUTF2 (1.7)	OR5L2 (1.7)	BMP8A (1.7)
CCDC116 (2.3)	HSF4 (2.3)	CPNE2 (2.1)	GPER (2.1)	PTPRZ1 (1.9)
NUP160 (2.4)	INTS10 (2.3)	KPNB1 (2.0)	BBS2 (1.9)	PPIP5K1 (1.8)
RLTPR (3.2)	MPP2 (3.2)	MADD (2.7)	ABCB9 (2.6)	MPP3 (2.6)
MAP1A (2.6)	RLTPR (2.4)	PLEKHG4 (2.3)	ABCB9 (2.2)	TCAP (2.1)
DGKG (3.0)	NEUROD2 (3.0)	PPP1R1B (2.9)	C1QTNF4 (2.9)	MAP1A (2.5)
DGKG (3.0)	NEUROD2 (3.0)	PPP1R1B (2.9)	C1QTNF4 (2.9)	MAP1A (2.5)
KBTBD4 (2.6)	C18orf32 (2.5)	DR1 (2.5)	ENSG00000255507 (2	HARBI1 (2.4)
CCDC116 (2.1)	CX3CL1 (1.9)	PPP1R1B (1.7)	PTPRZ1 (1.7)	DGKG (1.6)
ABCB9 (2.9)	ENSG00000256746 (2	ENSG00000226645 (2	MPP3 (2.4)	TRNP1 (2.3)
C16orf48 (3.7)	C11orf49 (3.3)	BBS2 (2.4)	DNAH10 (2.4)	TP53BP1 (1.9)
C17orf105 (4.9)	C16orf48 (3.1)	KCTD19 (2.7)	C11orf49 (2.5)	TGM7 (2.3)
MPP3 (3.0)	TCAP (2.5)	ENSG00000181296 (2	PACSIN3 (2.0)	RLTPR (2.0)
ENSG00000255507 (2	AGBL2 (2.3)	TSNAXIP1 (2.3)	CATSPER2 (2.0)	PLEKHG4 (1.8)
EYA3 (2.7)	FEN1 (2.6)	LCMT2 (2.5)	NUP93 (2.5)	NUP160 (2.4)
XKR8 (1.7)	ZNF350 (1.7)	GPER (1.7)	DNAH10 (1.6)	MPP3 (1.6)
ENSG00000247867 (2	NUTF2 (2.5)	ZNF614 (2.2)	COX19 (2.0)	SETD8 (2.0)
ERBB2 (2.1)	GPER (2.1)	OR5I1 (2.0)	PACSIN3 (2.0)	C12orf65 (1.9)
SPRYD5 (2.1)	ZNF664 (2.0)	WDR76 (1.9)	LRRC29 (1.9)	TP53BP1 (1.9)
THAP11 (1.9)	NOL3 (1.7)	PCIF1 (1.7)	TSNAXIP1 (1.6)	LRP4 (1.6)
BUD13 (2.3)	C11orf9 (2.3)	PCIF1 (2.2)	CPNE2 (2.2)	BMP8A (2.1)
GFOD2 (2.1)	C17orf105 (1.9)	HNF4A (1.9)	LCMT2 (1.7)	HNF1A (1.6)
BACE1 (2.7)	DGKG (2.6)	TMEM62 (2.3)	MPP2 (2.2)	SPG11 (1.8)
BACE1 (2.7)	DGKG (2.6)	TMEM62 (2.3)	MPP2 (2.2)	SPG11 (1.8)
C11orf49 (1.8)	ENSG00000256746 (1	ENSG00000181123 (1	DPEP2 (1.7)	PYY (1.4)
ESRP2 (1.9)	ABCA8 (1.9)	SIDT2 (1.9)	CYP26A1 (1.8)	ENSG00000226334 (1
ENSG00000181123 (2	ENSG00000256746 (2	C11orf49 (2.0)	DPEP2 (1.7)	PYY (1.6)
DGKG (2.7)	AMFR (2.6)	PITPNM2 (2.3)	GNAO1 (2.3)	CELSR2 (2.3)
NUDT21 (2.7)	FBXL20 (2.2)	UBR1 (2.2)	ENSG00000223745 (2	DYM (2.1)
DNAH10 (2.1)	ENSG00000179523 (1	MYO1H (1.6)	C16orf48 (1.6)	ADAL (1.6)
SLC9A5 (2.5)	ABCB9 (2.4)	GPR146 (2.3)	GPER (2.2)	PITPNM2 (2.1)
CYP26A1 (2.2)	ENSG00000181296 (2	PAFAH1B2 (1.9)	DNAH10 (1.8)	TSNAXIP1 (1.7)
DNAH10 (2.2)	FZD9 (1.8)	OR5J2 (1.7)	OR5I1 (1.6)	SOST (1.6)
PITPNM2 (3.2)	TRNP1 (3.0)	GNAO1 (3.0)	C1QTNF4 (2.9)	MAP1A (2.9)
MYO5B (2.1)	ENSG00000223745 (1	COX19 (1.9)	ABHD6 (1.9)	KCTD6 (1.9)
BMP8A (2.9)	GNAO1 (2.8)	CYP2W1 (2.7)	MBD1 (2.2)	CELF1 (2.1)
ESRP2 (2.1)	GPER (2.0)	MST1R (2.0)	HSF4 (1.9)	RAPSN (1.8)
FEN1 (2.6)	PLA2G6 (2.5)	KIAA0895L (2.5)	PRMT7 (2.4)	C16orf48 (2.1)
PPP1R1B (2.4)	C16orf86 (2.1)	CYP2W1 (2.1)	MAP1A (2.0)	CX3CL1 (2.0)
PNMT (1.9)	LRP4 (1.9)	BACE1 (1.8)	C11orf49 (1.8)	CYP26A1 (1.7)
GFOD2 (2.3)	STRC (2.2)	ENSG00000226334 (2	MPP3 (1.9)	KCTD19 (1.8)
PNMT (2.4)	KCTD19 (2.3)	MAP1A (2.2)	FRMD5 (2.1)	SMPD3 (2.1)

DDB2 (3.5)	ACD (3.0)	NUP160 (3.0)	BAZ1B (3.0)	OR5L2 (2.9)
PTPMT1 (2.6)	DUS2L (2.4)	BBS2 (2.3)	ENSG00000236267 (2	NDUFS3 (2.2)
OR5I1 (2.0)	SFN (2.0)	OR4A1P (2.0)	CYP26A1 (2.0)	ELMO3 (2.0)
CATSPER2 (3.0)	PLEKHG4 (2.6)	CCDC18 (2.5)	ENSG00000226334 (2	SBNO1 (1.9)
ENSG00000255507 (2	TSNAXIP1 (2.5)	AGBL2 (2.3)	CATSPER2 (1.8)	PLA2G6 (1.8)
LIPG (2.3)	ESRP2 (2.2)	ENSG00000181123 (2	LRRC29 (2.0)	GFOD2 (1.9)
RAPSN (3.5)	COQ9 (2.8)	SFN (2.2)	ZNF613 (2.2)	FRMD5 (1.9)
OR4A21P (2.1)	BACE1 (1.9)	TNKS (1.8)	HNF1A (1.8)	SMPD3 (1.8)
C1QTNF4 (2.6)	SLC9A5 (2.4)	ZNF614 (2.2)	MYO1H (2.2)	PPP1R1B (2.0)
FZD9 (1.9)	HCAR1 (1.8)	NEUROD2 (1.8)	LRP4 (1.7)	PPP1R1B (1.7)
FBXL20 (3.0)	WDR76 (2.6)	SPG11 (2.4)	ADAL (2.1)	ENSG00000255507 (2
FBXL20 (3.0)	WDR76 (2.6)	SPG11 (2.4)	ADAL (2.1)	ENSG00000255507 (2
MPP3 (3.0)	MPP2 (2.8)	DGKG (2.2)	PPP1R1B (2.1)	TRNP1 (2.1)
ENSG00000181296 (2	OR5L2 (1.8)	GFOD2 (1.7)	PSKH1 (1.7)	C11orf49 (1.7)
MPP2 (2.7)	PITPNM2 (2.4)	MAP1A (2.3)	MADD (2.2)	RLTPR (2.1)
MAP1A (2.7)	NOL3 (2.6)	PACSIN3 (2.5)	CASC4 (2.3)	HSF4 (2.1)
MPP3 (2.9)	PITPNM2 (2.8)	MAP1A (2.8)	RLTPR (2.3)	MADD (2.3)
DNAH10 (2.5)	ENSG00000181123 (2	CES4A (2.0)	CCDC116 (1.9)	OR5I1 (1.9)
MYBPC3 (2.6)	CES4A (2.2)	SLC9A5 (1.8)	PNMT (1.8)	ZNF613 (1.8)
OR5J2 (2.4)	MAP1A (2.3)	MPP2 (2.2)	DGKG (2.2)	PPP1R1B (2.1)
ZNF408 (1.9)	TUBGCP4 (1.9)	DDB2 (1.8)	MPP2 (1.8)	ATG13 (1.7)
C1QTNF4 (2.3)	OR5L2 (2.2)	CX3CL1 (2.1)	OR5I1 (2.0)	PITPNM2 (2.0)
LIPG (2.6)	MYO5B (2.5)	PVRL2 (2.5)	DOK4 (2.4)	NEUROD2 (2.2)
OGFOD1 (2.0)	GNAO1 (1.9)	TGM7 (1.9)	DOK4 (1.8)	OR4A1P (1.8)
PLEKHG4 (3.7)	CATSPER2 (2.6)	WDR76 (2.3)	CCDC11 (2.2)	ADAL (1.9)
MST1R (1.9)	SPRYD5 (1.8)	DGKG (1.7)	MT1G (1.7)	MT1X (1.6)
CCDC11 (2.8)	TSNAXIP1 (2.7)	CATSPER2 (2.0)	AGBL2 (1.8)	PLEKHG4 (1.7)
NOL3 (1.8)	CYP26A1 (1.8)	ZNF664 (1.7)	TSNAXIP1 (1.6)	LRP4 (1.5)
PPP1R1B (2.2)	EPB42 (2.1)	PTPMT1 (2.0)	MST1R (2.0)	MIEN1 (2.0)
SPRYD5 (2.3)	CCDC11 (2.1)	ZSCAN29 (1.8)	OR5J2 (1.7)	SOST (1.7)
CCNDBP1 (2.6)	PARD6A (2.4)	SIK3 (2.3)	GPR146 (2.1)	GFOD2 (2.0)
DNAH10 (2.6)	MPP3 (2.6)	TGM7 (2.2)	SMPD3 (2.1)	FRMD5 (2.1)
PLEKHG4 (1.8)	ENSG00000181296 (1	KCTD6 (1.6)	ENSG00000236267 (1	DNAH10 (1.6)
DNAH10 (2.7)	TGM7 (2.5)	CES4A (2.0)	TP53BP1 (2.0)	MPP3 (1.9)
DNAH10 (2.7)	TGM7 (2.5)	CES4A (2.0)	TP53BP1 (2.0)	MPP3 (1.9)
DNAH10 (2.7)	TGM7 (2.5)	CES4A (2.0)	TP53BP1 (2.0)	MPP3 (1.9)
TSNAXIP1 (1.5)	TRPS1 (1.5)	LRP4 (1.5)	HSF4 (1.5)	NOL3 (1.5)
MAP1A (2.6)	NEUROD2 (2.5)	ENSG00000255507 (2	GPER (2.2)	CCDC92 (2.1)
PSMB10 (2.3)	C11orf9 (2.2)	ENSG00000182109 (2	BBS2 (2.2)	OR5J2 (2.1)
MPP2 (3.0)	PITPNM2 (2.9)	PPP1R1B (2.4)	PLEKHG4 (2.3)	DGKG (2.1)
PDHB (2.1)	ARFGAP2 (2.1)	SPI1 (1.9)	TMEM101 (1.8)	KCTD19 (1.8)
SLC9A5 (2.3)	MYBPC3 (2.2)	PNMT (2.1)	UBE3B (2.0)	FRMD5 (2.0)
DGKG (3.0)	MPP3 (2.1)	MPP2 (2.0)	MADD (1.9)	TBKBP1 (1.9)
PTPRZ1 (2.0)	NOL3 (2.0)	TRPS1 (1.7)	KCTD6 (1.7)	FZD9 (1.7)
PLEKHG4 (3.7)	CATSPER2 (2.6)	WDR76 (2.3)	CCDC11 (2.2)	ADAL (1.8)
PLEKHG4 (3.7)	CATSPER2 (2.6)	WDR76 (2.3)	CCDC11 (2.2)	ADAL (1.8)
CCDC11 (2.6)	TSNAXIP1 (2.3)	CATSPER2 (2.0)	PLEKHG4 (1.8)	AGBL2 (1.6)
C17orf105 (2.4)	C17orf57 (2.3)	CES4A (1.9)	KCTD19 (1.8)	ENSG00000181296 (1
CCDC11 (2.3)	OR5I1 (2.2)	KIAA0895L (2.2)	CES4A (2.1)	YDJC (1.9)
TP53BP1 (2.1)	EIF3J (2.1)	RBM6 (2.1)	AMBRA1 (2.1)	MON1A (2.0)

GNAO1 (2.4)	MPP3 (2.2)	SMPD3 (2.1)	SLC12A3 (2.0)	GPIHBP1 (2.0)
TTBK2 (2.0)	TMEM101 (1.8)	CCDC11 (1.6)	TRPS1 (1.6)	SLC7A6OS (1.6)
OR5I1 (1.7)	OR4A21P (1.6)	ADAL (1.6)	ENSG00000182109 (1	CYP2W1 (1.5)
MACF1 (2.8)	MPP3 (2.7)	NOL3 (2.7)	BCAM (2.6)	HSF4 (2.6)
OR5I1 (1.7)	OR4A21P (1.7)	ADAL (1.6)	SPRYD5 (1.5)	ENSG00000182109 (1
MAP1A (2.3)	GNAO1 (2.3)	NOL3 (2.2)	ENSG00000181296 (2	RLTPR (2.0)
ENSG00000236267 (2	TGM5 (2.0)	FBXL20 (2.0)	SBNO1 (2.0)	HARBI1 (2.0)
PITPNM2 (2.7)	MPP3 (2.1)	MPP2 (2.1)	SLC12A3 (2.0)	PYY (1.9)
DGKG (2.7)	MPP2 (2.7)	MPP3 (2.6)	RAPSN (2.1)	HSF4 (2.1)
NOL3 (2.7)	HSF4 (2.7)	BCAM (2.3)	C12orf65 (2.0)	MPP2 (1.8)
CYP26A1 (1.7)	B3GNT9 (1.7)	ENSG00000229043 (1	MST1R (1.6)	GPER (1.6)
PITPNM2 (2.5)	HSF4 (2.1)	SLC12A3 (2.1)	MPP3 (2.0)	SMPD3 (1.9)
PITPNM2 (2.5)	HSF4 (2.1)	SLC12A3 (2.1)	MPP3 (2.0)	SMPD3 (1.9)
PTPRZ1 (1.7)	C17orf105 (1.6)	ABCB9 (1.6)	LRP4 (1.5)	B3GNT9 (1.4)
PLEKHG4 (2.8)	SLC9A5 (2.6)	RLTPR (2.4)	TCAP (2.4)	FZD9 (2.3)
PACSIN3 (3.2)	KANK2 (2.5)	CASC4 (1.7)	NOL3 (1.7)	MT1F (1.6)
C1QTNF4 (2.3)	ENSG00000181123 (2	GNAO1 (2.2)	MYO1H (2.1)	MPP2 (2.1)
ESRP2 (2.0)	LIPG (2.0)	ZSCAN29 (2.0)	TGM5 (2.0)	ENSG00000181123 (1
OR5I1 (2.3)	STRC (2.3)	CCDC11 (2.1)	ZNF613 (2.0)	LCAT (2.0)
DGKG (2.7)	MPP3 (2.2)	MPP2 (2.2)	SMPD3 (1.9)	ABCB9 (1.9)
LRRC29 (2.2)	PARD6A (2.2)	CES4A (2.1)	ENSG00000256746 (2	TBKBP1 (2.1)
PPP1R1B (2.2)	MPP2 (2.0)	C1QTNF4 (2.0)	ENSG00000181296 (2	C17orf57 (1.9)
TGM7 (1.9)	ENSG00000226334 (1	SETD8 (1.9)	COX19 (1.9)	HARBI1 (1.9)
TGM7 (1.9)	ENSG00000226334 (1	SETD8 (1.9)	COX19 (1.9)	HARBI1 (1.9)
TGM5 (2.1)	ENSG00000229043 (1	BMP8A (1.8)	CYP26A1 (1.6)	GPER (1.6)
RSPO3 (1.8)	C16orf70 (1.8)	TGM7 (1.6)	SFN (1.6)	B3GNT9 (1.6)
MPP2 (2.4)	PPP1R1B (2.2)	HSF4 (2.2)	DGKG (2.1)	TMEM175 (2.0)
BAZ1B (2.0)	MPHOSPH9 (1.8)	FEN1 (1.8)	KLF14 (1.7)	DDB2 (1.7)
KCTD19 (2.6)	TGM7 (2.2)	ENSG00000247867 (2	CCDC116 (2.1)	LRRC29 (2.0)
OR4A1P (2.2)	ENSG00000256746 (2	OR5L2 (1.9)	MAP1A (1.8)	ENSG00000181296 (1
OR4A1P (1.9)	C17orf105 (1.8)	ENSG00000181123 (1	KCTD6 (1.7)	ENSG00000236267 (1
PNMT (2.6)	C11orf49 (2.6)	C1QTNF4 (2.5)	AGBL2 (2.4)	ZNF408 (2.4)
OR5I1 (2.1)	ENSG00000182109 (2	KCTD6 (1.9)	TRNP1 (1.6)	ABCB9 (1.6)
MYO5B (2.4)	PYY (2.3)	C1orf172 (2.2)	KIAA0754 (2.0)	TGM7 (1.9)
MYO5B (2.4)	PYY (2.3)	C1orf172 (2.2)	KIAA0754 (2.0)	TGM7 (1.9)
C17orf105 (2.4)	KCTD19 (2.2)	HNF1A (2.0)	C17orf57 (1.9)	ZNF613 (1.8)
PITPNM2 (2.5)	PPP1R1B (2.2)	MPP2 (2.1)	CX3CL1 (2.0)	RAPSN (2.0)
C17orf105 (1.9)	DNAH10 (1.8)	ENSG00000247867 (1	ENSG00000236267 (1	C11orf49 (1.5)
DPEP2 (1.7)	ENSG00000256746 (1	ENSG00000181123 (1	AFF1 (1.6)	KCTD6 (1.6)
MPP3 (2.8)	PITPNM2 (2.7)	MPP2 (2.2)	ABCB9 (1.9)	CX3CL1 (1.7)
C11orf49 (1.7)	KCTD6 (1.7)	AFF1 (1.7)	DPEP2 (1.6)	TMEM62 (1.6)
DPEP3 (2.5)	KCTD19 (2.4)	CCDC11 (2.4)	ENSG00000247867 (2	TSNAXIP1 (2.0)
DPEP3 (2.3)	RSPRY1 (2.3)	BCL7B (1.9)	CDK12 (1.9)	PLEKHG4 (1.8)
PITPNM2 (3.1)	KIAA0895L (2.5)	MPP2 (2.5)	SMPD3 (2.4)	PNMT (2.3)
C1QTNF4 (2.3)	MADD (2.2)	DGKG (2.2)	RLTPR (2.0)	MAP1A (2.0)
C17orf105 (2.1)	BBS2 (1.9)	DDB2 (1.8)	ABCB9 (1.7)	GPER (1.7)
PTPRZ1 (2.1)	CES4A (2.0)	TRNP1 (2.0)	GPER (2.0)	UBR1 (1.9)
PYY (2.4)	KLHL8 (2.2)	ABHD6 (1.9)	OR4A1P (1.9)	PCSK7 (1.8)
CATSPER2 (1.9)	MADD (1.9)	C1QTNF4 (1.8)	MAP1A (1.8)	MIEN1 (1.7)
RLTPR (2.2)	SMPD3 (2.2)	ZNF408 (2.1)	CATSPER2 (2.0)	PPP1R1B (2.0)

MAP1A (2.4)	OR4A1P (2.3)	HSF4 (2.3)	TMEM62 (2.1)	ENSG00000181296 (2
C17orf105 (5.2)	C16orf48 (3.5)	KCTD19 (2.5)	C11orf49 (2.4)	PARD6A (1.8)
KCTD19 (2.2)	FZD9 (2.0)	STRC (2.0)	C1QTNF4 (1.9)	GNAO1 (1.9)
SLC9A5 (2.4)	SMPD3 (2.3)	GPER (2.2)	ZDHHC18 (2.0)	PITPNM2 (1.9)
MPP2 (3.2)	NEUROD2 (2.9)	CELSR2 (2.5)	DGKG (2.3)	CX3CL1 (2.2)
PPP1R1B (2.7)	C1QTNF4 (2.7)	AGBL2 (2.4)	SMPD3 (2.3)	TRNP1 (2.3)
KCTD19 (2.2)	C17orf105 (2.2)	CES4A (1.8)	C17orf57 (1.8)	ZNF613 (1.7)
KCTD19 (2.2)	C17orf105 (2.2)	CES4A (1.8)	C17orf57 (1.8)	ZNF613 (1.7)
NEUROD2 (3.4)	MAP1A (2.9)	CELSR2 (2.6)	MADD (2.5)	CX3CL1 (2.3)
RAPSN (2.6)	PITPNM2 (2.5)	NEUROD2 (2.3)	MPP3 (2.1)	SLC12A3 (2.0)
RAPSN (2.6)	PITPNM2 (2.5)	NEUROD2 (2.3)	MPP3 (2.1)	SLC12A3 (2.0)
OR5L2 (2.2)	KCTD6 (2.1)	LRRC29 (1.9)	ENSG00000247867 (1	ENSG00000181123 (1
OR5I1 (2.5)	ENSG00000229043 (2	CCDC11 (2.2)	AGBL2 (2.1)	SLC12A4 (2.1)
GPER (1.9)	RLTPR (1.9)	DNAH10 (1.9)	CASC4 (1.9)	SLC9A5 (1.8)
DNAH10 (2.1)	GPER (2.0)	OR5J2 (2.0)	ABCB9 (2.0)	RLTPR (2.0)
TGM7 (1.6)	C1QTNF4 (1.6)	ACP2 (1.4)	MAP1A (1.4)	MT1M (1.4)
MAP1A (2.2)	HSF4 (1.7)	ENSG00000181296 (1	ACP2 (1.7)	LCAT (1.7)
MST1R (1.7)	PPP1R1B (1.6)	ZNF614 (1.6)	C12orf43 (1.6)	NOL3 (1.5)
C1QTNF4 (3.1)	CX3CL1 (2.9)	MPP2 (2.9)	CELSR2 (2.5)	MAP1A (2.4)
CX3CL1 (3.1)	MAP1A (2.7)	MPP2 (2.5)	C1QTNF4 (2.4)	CELSR2 (2.4)
TSNAXIP1 (2.9)	CCDC11 (2.6)	AGBL2 (2.1)	CATSPER2 (1.8)	C16orf86 (1.6)
TSNAXIP1 (2.9)	CCDC11 (2.6)	AGBL2 (2.1)	CATSPER2 (1.8)	C16orf86 (1.6)
TGM7 (2.4)	SPRYD5 (2.1)	DGKG (2.0)	ENSG00000226645 (1	TSNAXIP1 (1.7)
C17orf105 (2.5)	ABCB9 (2.3)	CCDC116 (2.3)	GFOD2 (1.9)	ZNF615 (1.8)
SLC9A5 (2.4)	SIK3 (2.2)	C16orf86 (2.2)	OR5I1 (2.2)	MPP2 (2.1)

alse-discovery rates (FDR) are obtained

Reconstituted gene set Z score gene 9	Reconstituted gene set Z score gene 10
CETP (2.5)	BCL3 (2.3)
LPL (3.0)	PNMT (2.9)
CD36 (2.4)	LPL (2.3)
APOA5 (2.4)	GPR146 (2.4)
F2 (3.8)	APOC4 (3.6)
CTRL (3.1)	NR1H3 (2.9)
SLC22A1 (3.2)	LCAT (2.8)
PLTP (2.8)	GLUL (2.7)
HSF4 (2.4)	ENSG00000247445 (2
LPL (2.2)	IGF2R (2.2)
ARID1A (2.1)	F2 (2.1)
SLC9A5 (2.9)	CX3CL1 (2.9)
NAGS (5.3)	PLG (4.9)
SCARB1 (2.7)	RAPSN (2.7)
PLG (2.2)	LIPC (2.2)
LPA (2.4)	ENSG00000254235 (2
PVRL2 (2.4)	HNF4A (2.4)
JMJD1C (2.8)	ERBB2 (2.7)
ANGPTL4 (2.8)	NPEPPS (2.8)
NR0B2 (4.5)	MLXIPL (4.5)
BCL3 (2.3)	GLUL (2.3)
C19orf80 (3.2)	HNF4A (3.2)
PLEKHG4 (2.8)	ACAA2 (2.7)
GPAM (2.3)	C16orf70 (2.3)
APOC3 (4.6)	C19orf80 (4.5)
APOB (4.6)	HNF4A (4.6)
MTCH2 (2.2)	ARHGAP1 (2.2)
MTMR3 (2.8)	TRIB1 (2.7)
GPIHBP1 (3.9)	C19orf80 (3.4)
DGAT2 (2.6)	GALNT2 (2.5)
UBE3B (2.5)	ARFGAP2 (2.3)
SDF2L1 (3.5)	APOA5 (3.4)
E2F4 (2.3)	EXOC3L1 (2.3)
GPAM (2.7)	LPL (2.6)
GPAM (2.3)	LPA (2.1)
GPAM (2.4)	NRBF2 (2.1)
APOC1 (2.6)	LPL (2.6)
LPL (3.3)	ABCA1 (3.2)
C19orf80 (4.7)	APOA1 (4.6)
APOC1 (4.6)	LIPG (4.3)
APOA5 (4.7)	NR0B2 (4.7)
TNKS (2.6)	MTMR3 (2.6)
SIDT2 (2.2)	GPIHBP1 (2.1)

MT1H (2.2)	GPR146 (2.1)
HNF4A (4.5)	APOA4 (4.2)
CMIP (2.3)	SMPD3 (2.3)
SCARB1 (3.3)	TMED5 (3.3)
NR1H3 (3.2)	CD300LG (3.0)
GPR146 (2.2)	GPIHBP1 (2.2)
DPEP2 (2.4)	MLXIPL (2.3)
MLXIPL (3.5)	ANGPTL4 (3.3)
ENSG00000254235 (2	PDHB (2.6)
PLEKHG4 (2.6)	ABHD6 (2.5)
LPL (4.1)	F2 (4.0)
SPG11 (2.0)	UBE3B (2.0)
TBL2 (2.1)	SLC22A1 (2.1)
TMED5 (3.1)	CATSPER2 (2.9)
SCARB1 (4.0)	LPL (3.7)
ENSG00000254235 (2	PPIP5K1 (2.3)
CX3CL1 (2.7)	GPIHBP1 (2.7)
RBPJ (2.4)	LILRB2 (2.3)
CD300LG (3.1)	CD36 (2.4)
TNKS (2.7)	BCAM (2.3)
HNF4A (2.4)	SCARB1 (2.4)
APOC1 (3.7)	ACAA2 (3.7)
SOST (2.5)	PSKH1 (2.5)
DGAT2 (3.3)	F2 (3.1)
APOC1 (5.8)	CPS1 (5.5)
DGAT2 (3.9)	LPA (3.7)
C19orf80 (3.4)	APOC1 (2.9)
ST3GAL4 (3.1)	FADS1 (3.1)
MT1F (3.2)	PLG (3.2)
HCAR1 (2.1)	GPR146 (2.1)
CSGALNACT1 (2.7)	ABCA8 (2.6)
MMAB (4.1)	SCARB1 (3.9)
ENSG00000226334 (2	ELMO3 (2.4)
CD36 (3.5)	F2 (3.4)
APOA1 (2.5)	F2 (2.5)
APOC4 (7.0)	CPS1 (5.9)
APOC4 (7.0)	CPS1 (5.9)
GPR146 (2.2)	GPAM (2.1)
NAGS (4.9)	APOC1 (4.7)
HCAR1 (2.4)	ABCA1 (2.3)
COBLL1 (4.0)	NR1H3 (3.4)
APOC4 (3.6)	APOB (3.6)
CSGALNACT1 (2.5)	SPRYD5 (2.5)
HERPUD1 (2.3)	MT1H (2.2)
CPS1 (2.6)	NOL3 (2.6)
GLUL (3.0)	NR0B2 (2.9)
PLTP (2.8)	C19orf80 (2.7)
DGAT2 (4.8)	GPAM (4.7)
GPR146 (3.3)	SLC7A6 (3.2)
TGM5 (2.8)	TECTB (2.6)

C19orf80 (2.6)	CTRL (2.4)
MAFF (2.8)	PIGV (2.8)
MVK (3.6)	CD36 (3.4)
ANGPTL4 (4.6)	NR1H3 (4.5)
NR0B2 (2.9)	GPIHBP1 (2.8)
GPAM (2.1)	PDHB (2.1)
CCNDBP1 (2.6)	SEC14L4 (2.5)
PPY (2.7)	KIAA0895L (2.6)
UBE3B (2.0)	KCTD10 (2.0)
CD36 (3.4)	SEC14L4 (3.4)
NR0B2 (2.7)	MAFF (2.7)
CITED2 (2.5)	AMFR (2.5)
UBE3B (2.3)	NFATC3 (2.2)
FADS1 (2.8)	PTPMT1 (2.7)
OR4A21P (2.7)	BCL3 (2.5)
ABCA1 (3.1)	F2 (3.1)
MT1H (2.2)	MAFF (2.2)
GPR146 (2.7)	TAGLN (2.6)
CDK12 (2.1)	UBR1 (2.0)
CD36 (3.4)	MVK (3.4)
SEC14L4 (3.5)	MMAB (3.5)
ENSG00000229043 (2	PIGV (2.0)
SNX13 (2.3)	MACF1 (2.2)
CSGALNACT1 (2.5)	KANK2 (2.4)
ABCA8 (2.4)	CPS1 (2.1)
HNF4A (4.1)	LIPC (4.0)
LIPC (3.0)	LPA (2.9)
C19orf80 (1.9)	LCAT (1.9)
BCL3 (2.3)	C16orf86 (2.1)
ENSG00000256746 (2	ARID1A (2.2)
APOC3 (3.3)	DGAT2 (3.2)
E2F4 (2.4)	FHOD1 (2.3)
APOA5 (5.9)	PLG (5.8)
MT1F (3.5)	APOC1 (3.1)
GPR146 (2.9)	HCAR1 (2.8)
MTMR3 (2.3)	TRIB1 (2.1)
HNF1A (2.8)	CD300LG (2.7)
ABCA8 (3.3)	CD36 (3.1)
IGF2R (2.4)	VEGFA (2.3)
APOC1 (5.1)	MLXIPL (5.1)
SPI1 (2.4)	ENSG00000254235 (2
AMBRA1 (2.3)	OR5L2 (2.3)
TAGLN (4.0)	APOC4 (4.0)
SEC14L4 (3.3)	CD36 (3.2)
PTPRJ (2.2)	CETP (2.2)
HARBI1 (2.3)	ZSCAN29 (2.3)
APOA1 (3.4)	APOC1 (3.2)
APOE (4.0)	APOC3 (3.9)
SNX10 (2.2)	LPL (2.2)
C19orf80 (2.9)	CD36 (2.9)

CPS1 (4.0)	TAGLN (4.0)
PGS1 (2.4)	MED1 (2.2)
AMFR (2.4)	LPL (2.3)
F2 (4.2)	ANGPTL4 (4.0)
MBD1 (2.1)	KCTD6 (2.0)
GPN2 (2.2)	BUD13 (2.2)
MT1F (2.3)	ENSG00000223745 (2
LIPC (2.0)	ENSG00000247867 (1
APOB (3.3)	C19orf80 (3.3)
GPR146 (2.1)	OR5I1 (2.1)
GPR146 (2.1)	OR5I1 (2.1)
RSPO3 (2.2)	VEGFA (2.2)
CETP (2.6)	LCAT (2.6)
PTPRJ (2.2)	CETP (2.1)
APOA1 (2.6)	LCAT (2.5)
NR0B2 (3.4)	APOC3 (3.4)
APOC4 (4.0)	APOE (3.9)
ENSG00000226334 (2	APOA1 (2.5)
BMP8A (2.5)	SNX10 (2.5)
C19orf80 (3.1)	LPL (3.0)
C19orf80 (3.1)	LPL (3.0)
C19orf80 (3.1)	LPL (3.0)
AMFR (2.9)	CD300LG (2.7)
C16orf70 (2.5)	APOC1 (2.4)
PYY (2.6)	HCAR1 (2.5)
APOB (2.4)	APOE (2.4)
SPG11 (2.3)	AMBRA1 (2.2)
TNKS (2.6)	SPG11 (2.5)
DOCK6 (2.1)	ELMO3 (2.1)
TMED5 (3.7)	APOE (3.6)
E2F4 (2.3)	ABCA8 (2.2)
APOC1 (3.3)	APOA1 (3.2)
CYP26A1 (2.6)	APOC3 (2.6)
APOC4 (4.3)	APOA1 (4.1)
APOC4 (4.3)	APOA1 (4.1)
KIAA0754 (2.2)	SPI1 (2.1)
LSM12 (2.4)	ATG13 (2.2)
CCDC11 (3.4)	C19orf80 (3.1)
BCL3 (2.7)	MBD1 (2.6)
APOB (3.5)	APOC1 (3.4)
FADS2 (4.3)	APOA5 (4.0)
ENSG00000255507 (2	TECTB (2.2)
GLUL (3.5)	TMED5 (3.4)
LPA (2.3)	VEGFA (2.1)
PTPRJ (2.1)	PSMB10 (2.0)
APOC4 (3.6)	C19orf80 (3.4)
CX3CL1 (2.3)	CD300LG (2.1)
APOA4 (4.0)	APOC3 (4.0)
ENSG00000182109 (2	TTBK2 (2.3)
APOA1 (5.2)	APOC3 (4.7)

HNF4A (2.2)	CES4A (2.2)
HCAR1 (4.0)	PPY (3.5)
C19orf80 (4.9)	APOC1 (4.8)
APOC1 (2.7)	APOB (2.5)
APOE (2.5)	ZDHHC18 (2.3)
C19orf80 (2.2)	VEGFA (2.1)
HERPUD1 (2.8)	APOB (2.6)
APOC3 (7.2)	CPS1 (6.5)
F2 (2.4)	APOA1 (2.1)
TRIB1 (2.2)	BCL3 (2.1)
SPI1 (2.8)	BCL3 (2.4)
PDHB (2.6)	CIAPIN1 (2.5)
CSGALNACT1 (2.3)	SPI1 (2.1)
FBXL20 (2.2)	NFATC3 (2.1)
MLXIPL (2.9)	NR1H3 (2.9)
CDK12 (2.7)	PGAP3 (2.4)
APOA1 (3.8)	APOA4 (3.8)
HNF4A (2.9)	APOC3 (2.9)
FRMD5 (2.6)	SLC22A1 (2.5)
TRIB1 (3.2)	MIEN1 (3.0)
CENPT (2.5)	CIAPIN1 (2.5)
DGAT2 (2.7)	MYO1H (2.6)
APOC3 (2.5)	APOA5 (2.5)
ANGPTL4 (2.5)	TRADD (2.4)
NOL3 (2.2)	ANGPTL4 (2.1)
ZNF615 (2.0)	C16orf70 (1.9)
APOA5 (3.8)	HNF4A (3.2)
CCDC11 (2.9)	C19orf80 (2.8)
SCARB1 (2.9)	FADS1 (2.9)
CCL22 (2.5)	ENSG00000247445 (2
MTMR3 (2.2)	AFF1 (2.2)
ST3GAL4 (2.1)	PNMT (2.1)
APOB (3.3)	SEC14L4 (3.1)
GLUL (2.3)	ACP2 (2.3)
APOB (2.6)	PLG (2.6)
PLA2G15 (2.5)	ACP2 (2.5)
DOCK6 (2.3)	AMFR (2.2)
VEGFA (2.6)	HCAR1 (2.4)
ABCA1 (2.3)	PYY (2.2)
ERBB2 (2.3)	C11orf9 (2.1)
CPS1 (4.3)	ABCA1 (4.2)
PLG (2.4)	PLA2G6 (2.2)
HCAR1 (2.4)	GALNT2 (2.4)
ANGPTL4 (2.2)	CCL17 (2.2)
SEC14L4 (2.5)	BACE1 (2.5)
APOC3 (4.3)	C19orf80 (4.2)
ESRP2 (2.4)	TAGLN (2.3)
APOC1 (4.2)	APOC3 (4.1)
APOC1 (3.6)	APOA5 (3.6)
GPAM (3.1)	TMEM62 (3.0)

LPA (2.2)	LILRB2 (2.2)
SLC22A1 (2.7)	MVK (2.6)
CMIP (2.7)	FHOD1 (2.6)
HNF4A (2.3)	TECTB (2.2)
APOE (3.6)	LCAT (3.4)
C17orf57 (1.8)	GPIHBP1 (1.8)
FPR3 (2.2)	CCL17 (2.2)
HNF1A (3.2)	HNF4A (3.2)
APOC1 (5.4)	CPS1 (4.9)
SIK3 (2.2)	RBPJ (2.2)
MLXIPL (2.8)	PLA2G6 (2.8)
APOC3 (4.3)	C19orf80 (4.2)
ABCA1 (4.3)	CPS1 (4.2)
APOC3 (4.3)	LCAT (4.3)
HARBI1 (2.4)	HERPUD1 (2.3)
MLXIPL (3.2)	HNF4A (3.0)
CETP (2.6)	APOC1 (2.5)
MAFF (2.0)	MBD1 (2.0)
C17orf57 (2.8)	ENSG00000255507 (2
ANGPTL4 (2.4)	MT1G (2.3)
SLC22A1 (5.5)	APOA1 (5.5)
ENSG00000226645 (2	HNF4A (2.6)
APOC3 (3.3)	CPS1 (3.3)
APOC3 (3.3)	CPS1 (3.3)
BCAM (3.5)	PLG (3.3)
YDJC (1.9)	MACF1 (1.8)
LPA (2.3)	CSGALNACT1 (2.2)
C19orf80 (4.1)	APOC4 (4.1)
FPR3 (3.0)	TMED5 (2.7)
ANGPTL4 (2.2)	CLPTM1 (2.0)
CES4A (3.0)	TMEM101 (2.9)
C19orf80 (3.5)	APOC1 (3.5)
LILRA3 (2.8)	ZDHHC18 (2.8)
APOC1 (3.4)	C19orf80 (3.3)
DGAT2 (3.3)	HCAR1 (3.1)
SCARB1 (4.0)	PLA2G6 (3.2)
MVK (2.1)	FADS1 (2.0)
NPEPPS (2.7)	NCOA5 (2.6)
MADD (2.2)	RAB11B (2.2)
APOB (2.9)	CPS1 (2.8)
APOB (2.9)	CPS1 (2.8)
ACAA2 (2.3)	MMAB (2.2)
GPER (2.5)	SLC9A5 (2.5)
PTPRJ (2.4)	DNAH10 (2.3)
LPA (3.0)	MT1G (2.7)
PXK (2.0)	CX3CL1 (1.9)
APOA5 (4.2)	CPS1 (3.8)
PTPRJ (2.4)	ANGPTL4 (2.3)
PVRL2 (2.6)	CPNE2 (2.6)
SNX10 (1.8)	ARFGAP2 (1.8)

PLG (3.3)	NAGS (3.2)
PLA2G15 (3.0)	ABCA8 (3.0)
CETP (2.2)	CD36 (2.1)
BMP8A (2.5)	NAGS (2.5)
GPIHBP1 (2.9)	LPL (2.8)
APOA5 (4.2)	SCARB1 (4.0)
C19orf80 (3.9)	HCAR1 (3.2)
C19orf80 (3.9)	HCAR1 (3.2)
BCL3 (2.6)	MT1H (2.5)
APOB (2.5)	NR0B2 (2.5)
APOC1 (3.2)	SCARB1 (3.1)
C19orf80 (3.9)	PLA2G6 (3.6)
SCARB1 (2.3)	NOL3 (2.3)
APOA1 (2.9)	APOB (2.9)
APOA1 (3.3)	CPS1 (3.3)
APOA1 (3.3)	CPS1 (3.3)
APOA1 (3.3)	CPS1 (3.3)
FADS1 (2.9)	DGAT2 (2.8)
APOA1 (2.5)	APOA4 (2.4)
NAGS (3.8)	MLXIPL (3.2)
GPIHBP1 (3.2)	CD300LG (3.1)
MVK (2.5)	RSPO3 (2.4)
FPR3 (2.7)	ENSG00000229043 (2
APOA1 (4.9)	APOC3 (4.6)
CPS1 (4.0)	SLC22A1 (3.9)
APOA1 (2.9)	APOB (2.9)
APOC3 (2.6)	PITPNM2 (2.5)
ESRP2 (2.5)	CES4A (2.4)
CPS1 (4.7)	APOC3 (4.3)
PLG (3.0)	APOA4 (2.9)
PLG (2.4)	APOC4 (2.4)
ABCA1 (2.3)	PLA2G15 (2.2)
APOC1 (2.9)	LPL (2.8)
LILRB2 (2.8)	C19orf80 (2.7)
C19orf80 (2.5)	TSNAXIP1 (2.5)
NDUFS3 (2.4)	CATSPER2 (2.3)
APOE (2.2)	LIPG (2.0)
MTCH2 (2.5)	C17orf105 (2.3)
APOA5 (5.5)	LIPC (5.3)
ABCA1 (2.3)	RELB (2.2)
ABCA1 (4.2)	CPS1 (4.2)
APOC3 (4.5)	APOB (4.3)
CES4A (2.6)	TMED5 (2.5)
APOA5 (5.5)	NR1H3 (5.1)
APOC3 (4.5)	APOA1 (4.4)
APOC1 (3.4)	APOA1 (3.4)
APOC1 (3.4)	APOA1 (3.4)
C18orf32 (2.0)	MT1F (2.0)
CD300LG (2.2)	PSKH1 (2.1)
ENSG00000229043 (2	KCTD6 (2.0)

GNAO1 (2.3)	BCL3 (2.2)
ACAA2 (3.0)	C19orf80 (3.0)
GPIHBP1 (1.8)	CCL22 (1.8)
CCL22 (2.3)	ENSG00000223745 (2
LIPG (2.3)	GPIHBP1 (2.1)
MYO5B (2.0)	MPP3 (2.0)
COBLL1 (2.6)	TMED5 (2.6)
MAFF (2.4)	GPAM (2.3)
LPA (3.3)	MYO1H (3.0)
AFF1 (2.3)	GPR146 (2.3)
ETV5 (2.5)	RNF214 (2.5)
TRIB1 (2.3)	SLC12A3 (2.3)
FZD9 (2.5)	TAGLN (2.4)
PCIF1 (2.3)	KIAA0895L (2.2)
APOC3 (2.6)	GALNT2 (2.5)
ANGPTL4 (2.5)	DGAT2 (2.3)
OGFOD1 (2.7)	NDUFS3 (2.5)
RLTPR (2.4)	GPR146 (2.2)
PPY (2.4)	RAPSN (2.3)
GPAM (3.2)	MTCH2 (3.1)
CPS1 (4.6)	NR1H3 (4.4)
GRB7 (2.2)	HDAC5 (2.2)
ABCA1 (2.4)	PLTP (2.3)
SFN (2.6)	VEGFA (2.5)
SIDT2 (2.4)	MAFF (2.2)
TRIB1 (2.2)	SPI1 (2.1)
C19orf80 (3.7)	CES4A (3.5)
BCAM (2.3)	LPA (2.3)
AMBRA1 (1.7)	MT1M (1.7)
SPI1 (2.3)	APOA5 (2.2)
SPI1 (2.5)	PSMB10 (2.4)
MMAB (2.9)	PIGV (2.9)
APOC3 (2.0)	TTC39B (1.9)
LILRB2 (2.6)	CCL17 (2.3)
DOK4 (2.3)	TBKBP1 (2.3)
TTBK2 (2.8)	GPR146 (2.6)
DGAT2 (3.0)	MT1X (2.9)
GPIHBP1 (2.0)	CASC4 (2.0)
APOC1 (2.4)	LCAT (2.4)
MT1X (3.4)	ABCA1 (3.4)
TMED5 (3.1)	COBLL1 (3.1)
APOC3 (2.8)	APOA5 (2.8)
LIPG (2.7)	TSNAXIP1 (2.7)
FAM192A (2.2)	TOMM40 (2.2)
DCPS (2.3)	ACP2 (2.0)
PLA2G15 (3.0)	LILRA3 (2.9)
APOA5 (5.6)	APOA4 (4.9)
APOA5 (6.4)	CPS1 (6.2)
APOA5 (6.4)	CPS1 (6.2)
TRADD (2.5)	EXOC3L1 (2.3)

MT1X (2.4)	SOST (2.3)
BACE1 (2.6)	PLA2G6 (2.6)
APOB (4.7)	C19orf80 (4.6)
PLG (2.7)	DR1 (2.6)
TCAP (2.4)	DOK4 (2.4)
PIGV (2.7)	ACP2 (2.5)
LIPC (2.4)	SCARB1 (2.3)
ABCA1 (4.3)	CPS1 (4.1)
SPI1 (2.5)	LILRA3 (2.4)
BMP8A (2.6)	REEP3 (2.2)
ST3GAL4 (2.5)	GPR146 (2.4)
NAGS (4.1)	C19orf80 (4.1)
PLG (5.2)	APOA5 (5.1)
ANGPTL4 (2.4)	ZNF613 (2.4)
MTCH2 (2.8)	MMAB (2.6)
MPP3 (2.1)	MYO5B (2.1)
NEUROD2 (2.5)	FADS2 (2.5)
PLTP (2.7)	NR1H3 (2.6)
MVK (4.4)	LPL (4.3)
DGKG (2.3)	DNAH10 (2.3)
TSNAXIP1 (2.3)	CYP2W1 (2.1)
SPI1 (2.2)	LIPC (2.1)
APOA5 (3.1)	FADS1 (3.0)
PSMB10 (3.1)	MAFF (2.8)
TBL2 (2.8)	ABCA1 (2.5)
ABCA8 (2.3)	ANGPTL4 (2.3)
MT1M (2.7)	MT1F (2.7)
ENSG00000226645 (2	KANK2 (2.3)
CYP2W1 (2.2)	DGAT2 (2.1)
C11orf9 (2.8)	FRMD5 (2.7)
ABCA1 (4.4)	NR1H3 (3.7)
FADS2 (3.4)	APOC4 (3.4)
FADS1 (2.4)	KIAA0895L (2.3)
PDHB (2.5)	ABHD6 (2.4)
OGFOD1 (2.7)	CATSPER2 (2.6)
F2 (2.3)	ENSG00000236267 (2
RBM6 (2.6)	NUP93 (2.5)
INTS10 (2.7)	CIAPIN1 (2.6)
APOE (3.3)	F2 (3.3)
COBLL1 (3.2)	NR1H3 (3.1)
APOB (4.0)	APOC3 (4.0)
PACSIN3 (2.2)	CMIP (2.2)
PLTP (2.6)	FZD9 (2.5)
PLTP (2.6)	FZD9 (2.5)
MLXIPL (3.2)	MT1E (2.7)
PLG (3.9)	NR0B2 (3.8)
ABCA1 (3.0)	PLA2G15 (2.9)
NR0B2 (2.5)	CD36 (2.4)
RSPRY1 (2.1)	C17orf57 (2.1)
APOA5 (3.0)	APOA1 (2.9)

LIPC (2.9)	APOB (2.8)
ENSG00000247445 (2	ZNF335 (2.1)
TRIB1 (2.4)	BCL3 (2.3)
PTPRJ (2.8)	TRIB1 (2.8)
RAB11B (2.4)	AMBRA1 (2.4)
PLG (3.0)	HNF4A (3.0)
C19orf80 (3.9)	APOC3 (3.5)
TRPS1 (2.9)	RSPO3 (2.8)
PLG (3.8)	APOA5 (3.6)
GLUL (2.1)	SIK3 (2.0)
DGKG (2.2)	GLUL (2.2)
PDE3A (2.3)	MT1G (2.3)
FADS2 (2.9)	ZNF613 (2.5)
LIPC (4.8)	APOE (4.7)
ANGPTL4 (2.2)	FPR3 (2.2)
MED1 (2.3)	CSGALNACT1 (2.3)
JMJD1C (2.5)	TAGLN (2.5)
HCAR1 (2.0)	NOL3 (2.0)
CPS1 (4.3)	NR1H3 (4.3)
PSMB10 (3.0)	ABCA1 (3.0)
ENSG00000247445 (2	MAFF (2.6)
NAGS (3.6)	C19orf80 (3.5)
APOC4 (5.3)	HNF4A (4.9)
SLC39A13 (2.5)	CCDC92 (2.4)
KCTD10 (2.6)	MACF1 (2.6)
CPS1 (4.7)	APOC4 (4.5)
APOC1 (4.3)	APOC4 (4.2)
ZSCAN29 (2.4)	STRC (2.3)
AMFR (1.9)	CPNE2 (1.9)
NR1H3 (2.9)	LIPG (2.9)
C17orf57 (2.0)	CSGALNACT1 (1.9)
C19orf80 (4.6)	APOA4 (4.5)
C19orf80 (4.6)	APOA4 (4.5)
C19orf80 (4.5)	LIPC (4.2)
MST1R (2.7)	LCAT (2.5)
INTS10 (2.7)	CTDSPL2 (2.6)
CPS1 (4.0)	APOC1 (3.7)
GPAM (3.0)	DGAT2 (3.0)
XKR8 (2.3)	CITED2 (2.3)
PLG (4.0)	APOA5 (3.8)
APOA5 (2.3)	PDHB (2.3)
CTRL (3.2)	SEC14L4 (2.8)
GPR146 (2.0)	ANGPTL4 (2.0)
NOL3 (2.4)	PPIP5K1 (2.3)
CBFB (2.6)	PIGV (2.5)
HERPUD1 (2.5)	MTMR3 (2.4)
SLC7A6 (2.4)	SNX10 (2.3)
SLC7A6 (2.4)	SNX10 (2.3)
ETV5 (1.9)	CPNE2 (1.8)
C11orf49 (2.3)	SETD8 (2.2)

ACP2 (2.7)	FPR3 (2.5)
SCARB1 (3.8)	MVK (3.4)
TRNP1 (2.1)	KIAA0895L (2.1)
MTMR3 (2.3)	DOCK6 (2.2)
PLG (3.8)	NR0B2 (3.7)
PLG (5.4)	CPS1 (4.6)
PLG (5.4)	CPS1 (4.6)
HNF1A (2.5)	ENSG00000236267 (2
APOC3 (2.5)	ABCA8 (2.5)
GPER (2.3)	TMEM62 (2.2)
MAFF (2.4)	ANGPTL4 (2.3)
FPR3 (2.2)	KANK2 (2.2)
IGF2R (2.2)	TRIB1 (2.1)
NOL3 (2.2)	SPRYD5 (2.2)
NAGS (2.6)	SLC12A3 (2.6)
GALNT2 (2.1)	TRNP1 (2.1)
APOA4 (4.2)	APOC4 (4.1)
HNF4A (2.6)	CITED2 (2.6)
DOCK6 (2.5)	XKR8 (2.4)
PVRL2 (2.8)	IGF2R (2.5)
MT1X (1.9)	XKR8 (1.9)
C19orf80 (4.5)	APOC4 (4.2)
APOC4 (4.1)	APOC1 (4.1)
LSM12 (2.5)	PXK (2.3)
APOC4 (2.7)	APOC1 (2.7)
LILRB2 (2.9)	MAFF (2.9)
APOC3 (4.3)	APOB (4.2)
APOA4 (4.5)	APOA5 (4.4)
CITED2 (2.0)	TRPS1 (2.0)
GPR146 (2.5)	ARID1A (2.4)
SLC7A6 (2.8)	NR1H3 (2.8)
HDAC5 (2.0)	HNF4A (2.0)
CETP (2.2)	RSPO3 (2.1)
GALNT2 (2.1)	C17orf57 (2.1)
APOC4 (4.1)	APOA4 (4.1)
APOC4 (4.1)	APOA4 (4.0)
APOC4 (4.1)	APOA4 (4.0)
APOC4 (3.7)	CPS1 (3.4)
HCAR1 (1.9)	ELMO3 (1.8)
UVRAG (2.8)	NR0B2 (2.5)
BCL3 (2.3)	IGF2R (2.2)
SLC22A1 (2.9)	GPAM (2.8)
PLG (3.9)	NR0B2 (3.7)
APOA4 (4.1)	APOC4 (4.0)
SLC39A13 (2.5)	SLC7A6OS (2.4)
MVK (2.8)	MT1H (2.6)
APOA5 (2.7)	HNF4A (2.7)
ENSG00000236267 (3	APOC3 (3.3)
LIPC (4.4)	APOE (4.4)
ZDHHC18 (2.6)	RSPO3 (2.6)

BUD13 (2.3)	SBNO1 (2.2)
APOA4 (4.0)	APOC1 (3.8)
APOC3 (3.3)	SLC22A1 (3.0)
ARFGAP2 (2.6)	ZNF408 (2.6)
F2 (3.0)	APOA5 (3.0)
LPL (2.0)	RSPO3 (1.8)
PLTP (2.4)	MAFF (2.4)
CD36 (2.6)	GRB7 (2.6)
CITED2 (2.0)	GALNT2 (1.9)
APOC4 (4.2)	APOC1 (4.0)
APOA4 (4.0)	C19orf80 (3.8)
CCL17 (3.0)	MAFF (2.8)
CCL17 (2.4)	PCIF1 (2.3)
F2 (5.0)	LCAT (4.9)
SIDT2 (2.3)	ENSG00000247867 (2
PLTP (2.7)	KLF14 (2.6)
PLA2G6 (2.0)	DUS2L (1.9)
CD40 (2.5)	SPI1 (2.3)
APOC4 (4.5)	C19orf80 (4.4)
GRB7 (2.4)	SFN (2.4)
PLG (3.0)	PTPRJ (3.0)
APOA5 (5.1)	LPA (4.5)
NFATC3 (2.2)	EYA3 (2.2)
C19orf80 (4.7)	APOC4 (4.3)
ABCA8 (2.3)	GFOD2 (2.2)
GRB7 (1.8)	PVRL2 (1.8)
MTMR3 (2.1)	SNX13 (2.0)
RANBP10 (2.3)	LPL (2.3)
CD300LG (2.4)	PPY (2.1)
SLC22A1 (2.7)	LPA (2.5)
HSF4 (2.1)	ANGPTL4 (2.1)
VEGFA (2.1)	FZD9 (2.1)
BMP8A (2.0)	TUBGCP4 (2.0)
TRIB1 (2.1)	CSGALNACT1 (2.0)
BAZ1B (2.1)	LPL (2.1)
MYO1H (2.1)	ANGPTL4 (2.0)
GLUL (2.7)	MT1G (2.6)
ZFAND2A (2.2)	CXXC1 (2.1)
ENSG00000254235 (2	HNF4A (2.2)
ENSG00000254235 (2	HNF4A (2.2)
APOA4 (4.1)	APOC4 (4.1)
CCL17 (2.4)	ZNF613 (2.3)
APOC4 (2.8)	PLA2G6 (2.7)
FHOD1 (2.3)	KCTD19 (2.2)
SETD8 (2.4)	BCL3 (2.4)
KLF14 (2.1)	SPRYD5 (2.0)
VEGFA (2.3)	LIPC (2.2)
LILRB2 (2.5)	ACP2 (2.4)
ABCA8 (3.8)	APOC3 (3.5)
LRRC29 (2.0)	GFOD2 (2.0)

LPL (2.5)	ABCA1 (2.5)
SOST (2.3)	MAFF (2.2)
ACAA2 (3.1)	PLA2G6 (3.0)
ACAA2 (3.1)	PLA2G6 (3.0)
RSPRY1 (2.2)	SLC39A13 (2.1)
CENPT (2.4)	RLTPR (2.4)
C11orf49 (1.9)	DPEP2 (1.9)
SPI1 (2.5)	RLTPR (2.4)
LILRA3 (2.2)	ENSG00000223745 (2
KLF14 (2.0)	RSPO3 (1.9)
ACAA2 (2.8)	ZNF613 (2.7)
NPEPPS (2.6)	TCAP (2.6)
NR0B2 (3.6)	APOC4 (3.4)
NR0B2 (3.6)	APOC4 (3.4)
TTC39B (2.1)	TRADD (1.9)
PLA2G15 (2.0)	PSKH1 (2.0)
C19orf80 (4.4)	APOC4 (4.2)
VEGFA (2.9)	SCARB1 (2.8)
SLC39A13 (2.4)	PITPNM2 (2.2)
SETD8 (2.0)	UVRAG (1.9)
PXK (2.4)	RBM5 (2.4)
APOE (3.7)	CPS1 (3.7)
ABCA1 (2.9)	APOA5 (2.9)
CCDC116 (2.4)	DGAT2 (2.3)
ENSG00000256746 (1	TECTB (1.8)
PDHB (2.3)	ABHD6 (2.3)
CSGALNACT1 (2.1)	SPRYD5 (2.1)
C17orf57 (2.3)	CSGALNACT1 (2.2)
NR0B2 (3.8)	CPS1 (3.8)
RLTPR (2.2)	GPR146 (1.9)
DOCK6 (2.2)	PVRL2 (2.1)
MYO1H (2.0)	MBD1 (1.9)
UVRAG (2.2)	SCARB1 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
FZD9 (2.2)	AGBL2 (2.2)
APOA1 (2.5)	APOB (2.4)
APOA5 (4.0)	APOC4 (3.5)
PXK (2.3)	FBXL20 (2.3)
APOA4 (2.4)	APOA5 (2.3)
SLC22A1 (3.7)	APOC4 (3.5)
GALNT2 (2.8)	TBL2 (2.7)
CPS1 (3.6)	APOC1 (3.4)
ARID1A (2.4)	RELB (2.4)
GPIHBP1 (2.3)	PLTP (2.3)
COBLL1 (2.4)	PLTP (2.2)
PSKH1 (2.2)	AMFR (2.1)

SLC22A1 (4.7)	LCAT (4.6)
CPS1 (4.1)	APOC4 (4.0)
BCL3 (2.5)	ACP2 (2.4)
NRBF2 (2.2)	LILRA3 (2.2)
TMED5 (3.2)	APOA5 (3.0)
APOA4 (4.0)	CPS1 (3.9)
LILRB2 (2.7)	SNX10 (2.6)
LILRB2 (2.7)	SNX10 (2.6)
LILRB2 (2.7)	SNX10 (2.6)
LILRB2 (2.7)	SNX10 (2.6)
PDE3A (2.4)	LILRB2 (2.2)
RNF214 (2.2)	PXK (2.2)
LIPC (5.0)	NR0B2 (4.6)
SLC39A13 (2.1)	DOK4 (2.1)
ST3GAL4 (2.1)	MT1H (2.1)
C19orf80 (3.6)	APOA1 (3.6)
APOE (3.9)	CPS1 (3.9)
CITED2 (2.5)	TMED5 (2.4)
ZDHHC18 (2.2)	ABCA1 (2.2)
C1QTNF4 (1.9)	PPP1R1B (1.8)
DOCK6 (2.2)	APOA5 (2.1)
TGM5 (2.0)	APOE (1.9)
ARFGAP2 (2.3)	GPIHBP1 (2.2)
ABCA8 (4.1)	APOB (3.5)
MLXIPL (2.7)	CES4A (2.4)
ABCA1 (2.7)	ST3GAL4 (2.6)
AGBL2 (2.2)	MTMR3 (2.2)
BCL3 (2.4)	LRP4 (2.4)
APOA1 (3.9)	CPS1 (3.6)
PLG (2.1)	PLEKHG4 (2.1)
APOE (1.9)	ANGPTL4 (1.9)
MAFF (3.1)	BCL3 (3.1)
NAGS (3.0)	VEGFA (2.9)
GPIHBP1 (2.2)	AFF1 (2.2)
REEP3 (2.7)	ARHGAP1 (2.7)
NR0B2 (2.2)	C19orf80 (2.2)
LIPC (2.8)	NR0B2 (2.7)
NOL3 (2.2)	HNF4A (2.2)
CITED2 (2.3)	DUSP3 (2.2)
ABCA1 (2.1)	BCAM (2.1)
TRPS1 (2.9)	SNX10 (2.5)
LILRA3 (2.8)	SNX10 (2.7)
CES4A (3.2)	NR1H3 (3.1)
CES4A (3.2)	NR1H3 (3.1)
PLTP (3.5)	F2 (3.3)
PDE3A (2.5)	TAGLN (2.4)
MYO5B (2.4)	HNF4A (2.4)
ERBB2 (2.5)	TGM5 (2.3)
CD40 (2.1)	FPR3 (2.0)
MST1R (2.8)	SNX10 (2.3)

CX3CL1 (2.5)	TECTB (2.3)
SIK3 (2.2)	E2F4 (2.2)
SCARB1 (3.9)	ACP2 (3.4)
FADS2 (2.2)	ANGPTL4 (2.1)
ZNF615 (2.0)	FHOD1 (1.9)
MTMR3 (2.4)	RSPO3 (2.4)
APOC3 (3.1)	CPS1 (3.1)
SIK3 (2.2)	PTPRJ (2.1)
HNF1A (2.1)	LCAT (2.1)
LPA (2.7)	SLC22A1 (2.6)
LPA (2.7)	SLC22A1 (2.6)
RNF214 (2.5)	MPP2 (2.1)
ABCA1 (3.4)	MLXIPL (3.2)
CENPT (2.3)	ARHGAP1 (2.3)
MST1R (2.3)	MT1G (2.2)
PGS1 (2.2)	C16orf86 (2.1)
OASL (2.9)	BCL3 (2.8)
AGBL2 (2.2)	ENSG00000247867 (2
MT1H (2.1)	E2F4 (1.9)
LIPG (2.4)	ZNF614 (2.4)
PLA2G6 (2.3)	KLF14 (2.3)
COBLL1 (2.1)	PTPRZ1 (2.0)
MT1M (2.0)	ENSG00000256746 (2
APOA5 (5.9)	HNF4A (5.2)
CSGALNACT1 (2.5)	CDK12 (2.4)
HNF4A (4.2)	LIPC (4.1)
EXOC3L1 (2.2)	GPIHBP1 (1.9)
CD40 (2.5)	PLTP (2.3)
CMIP (2.7)	MT1X (2.7)
KCTD19 (2.4)	ATG13 (2.4)
NR0B2 (2.9)	APOC3 (2.9)
C19orf80 (2.5)	PLG (2.5)
PLEKHG4 (2.0)	CMIP (1.9)
HNF4A (4.8)	C19orf80 (4.3)
ZNF408 (2.5)	GALNT2 (2.4)
APOC1 (4.4)	NR1H3 (3.9)
NR0B2 (3.7)	APOA5 (3.7)
GPAM (2.6)	ABHD6 (2.4)
TUBGCP4 (2.3)	UBE2L3 (2.0)
TTC39B (2.4)	SLC39A13 (2.4)
APOA4 (2.1)	BACE1 (2.1)
TTBK2 (2.2)	FBXL20 (2.2)
SNX10 (2.1)	GLUL (2.1)
RSPO3 (2.2)	GPR146 (2.2)
NEUROD2 (2.0)	RSPO3 (2.0)
MTCH2 (3.3)	GPAM (3.1)
MTCH2 (3.3)	GPAM (3.1)
APOB (5.0)	APOC4 (5.0)
PLA2G15 (2.2)	FZD9 (2.1)
DR1 (2.7)	CELF1 (2.6)

RBPJ (2.3)	ZDHHC18 (2.3)
APOE (3.8)	CPS1 (3.7)
SNX10 (2.3)	CETP (2.3)
C16orf86 (2.8)	ENSG00000255507 (2
MLXIPL (3.2)	DGAT2 (3.1)
APOE (2.4)	TMEM208 (2.3)
KIAA0754 (2.2)	LILRB2 (2.2)
OASL (2.3)	ARID1A (2.2)
ARID1A (2.1)	DPEP2 (2.0)
APOC4 (2.4)	LIPC (2.4)
MADD (2.3)	DDB2 (2.3)
LIPC (2.3)	F2 (2.2)
PLG (2.2)	TMED5 (2.2)
SLC39A13 (2.4)	TAGLN (2.3)
RELB (2.6)	LILRB2 (2.4)
ZFAND2A (2.6)	PSMB10 (2.5)
SOST (1.8)	LRP4 (1.8)
APOC4 (2.3)	TGM5 (2.2)
PLG (3.6)	APOA5 (3.3)
RBPJ (2.7)	ENSG00000182109 (2
TRIB1 (2.1)	CES4A (2.1)
C12orf43 (2.3)	TP53BP1 (2.3)
ADAL (2.7)	KBTBD4 (2.5)
PLTP (2.1)	CYP2W1 (2.0)
LILRB2 (2.1)	ZNF613 (2.0)
APOB (4.1)	MLXIPL (3.8)
ERBB2 (2.7)	E2F4 (2.5)
LILRA3 (2.7)	SPI1 (2.7)
TAGLN (2.4)	FPR3 (2.4)
B3GNT9 (2.4)	DOCK6 (2.2)
CES4A (3.5)	SEC14L4 (3.4)
DOK4 (1.7)	CYP26A1 (1.6)
PVRL2 (2.3)	LIPG (2.2)
RBPJ (2.4)	RSPO3 (2.3)
RLTPR (2.7)	MAFF (2.7)
ARFGAP2 (2.5)	TBL2 (2.4)
LILRB2 (2.4)	GPIHBP1 (2.4)
CD36 (2.4)	GLUL (2.4)
PSKH1 (2.6)	KIAA0754 (2.5)
APOB (3.5)	APOC4 (3.3)
TTC39B (2.4)	ENSG00000182109 (2
LPA (2.1)	SPI1 (2.1)
NR0B2 (2.1)	MT1X (2.1)
PCIF1 (2.4)	SPI1 (2.4)
LILRA3 (2.5)	SNX10 (2.5)
PLG (4.9)	APOA5 (4.9)
CD36 (2.2)	FHOD1 (2.1)
BACE1 (2.3)	ENSG00000182109 (2
PLA2G6 (2.1)	MT1H (2.1)
CPS1 (4.4)	APOC1 (4.3)

COX19 (2.2)	ENSG00000247445 (2
TAGLN (2.2)	F2 (2.0)
ABCA8 (1.8)	B3GNT9 (1.8)
C12orf65 (2.1)	ATG13 (2.1)
ZNF614 (2.1)	CX3CL1 (1.9)
TAGLN (2.6)	EXOC3L1 (2.5)
APOB (2.2)	APOA4 (2.1)
DDB2 (2.2)	SLC22A1 (2.2)
F2 (4.2)	LIPC (4.1)
APOA1 (2.6)	F2 (2.5)
SLC12A3 (2.3)	MT1M (2.2)
LRP4 (2.4)	LILRB2 (2.4)
TRIB1 (2.1)	DGAT2 (2.1)
APOA5 (3.5)	ABCA1 (3.4)
CSGALNACT1 (2.0)	C17orf57 (1.9)
CPS1 (5.3)	APOC1 (4.6)
LIPC (4.4)	NR0B2 (4.4)
LPL (2.4)	XKR8 (2.4)
FZD9 (2.5)	C17orf57 (2.5)
RNF214 (2.6)	FBXL20 (2.6)
DPEP2 (2.2)	SETD8 (2.2)
COQ9 (2.5)	TMED5 (2.3)
TTC39B (2.4)	RBPJ (2.3)
CPS1 (3.2)	APOA5 (3.2)
TMED5 (2.8)	KCTD19 (2.4)
FAM192A (3.0)	PDHB (3.0)
SLC7A6OS (2.5)	KIAA0895L (2.4)
NUDT21 (2.5)	VEGFA (2.5)
MT1M (2.4)	BCL3 (2.2)
CYP26A1 (2.3)	JMJD1C (2.1)
HNF4A (3.4)	F2 (3.3)
HNF4A (3.4)	F2 (3.3)
HNF4A (3.5)	APOA5 (3.3)
LILRA3 (2.0)	ANGPTL4 (1.9)
PVRL2 (2.6)	TAGLN (2.4)
OR4A21P (2.4)	TTC39B (2.1)
SEC14L4 (3.0)	DGAT2 (2.7)
ERBB2 (2.6)	ARID1A (2.6)
HNF4A (2.3)	SLC22A1 (2.2)
LILRA3 (2.4)	CITED2 (2.4)
TGM7 (2.4)	HDAC5 (2.4)
TGM7 (2.4)	HDAC5 (2.4)
ACP2 (2.3)	HCAR1 (2.2)
ACP2 (2.3)	HCAR1 (2.2)
C19orf80 (3.8)	APOB (3.7)
TTC39B (2.3)	SNX10 (2.1)
APOB (2.0)	LPL (2.0)
CCDC116 (2.4)	TTBK2 (2.4)
NR1H3 (3.0)	CD36 (2.9)
FPR3 (2.6)	LILRB2 (2.5)

NR0B2 (2.7)	FRMD5 (2.6)
GPIHBP1 (3.1)	ANGPTL4 (2.7)
FRMD5 (2.9)	COQ9 (2.9)
PSMB10 (2.7)	ZNF614 (2.6)
AMBRA1 (2.5)	NDUFS3 (2.5)
APOC4 (4.1)	APOA5 (3.9)
LPA (3.0)	F2 (3.0)
BACE1 (2.4)	CD300LG (2.3)
RSPO3 (2.1)	PPP1R1B (2.1)
GALNT2 (2.4)	CMIP (2.3)
LCAT (3.1)	FADS1 (3.0)
GPR146 (2.2)	AFF1 (2.1)
RAB11B (2.1)	ENSG00000181123 (2
C19orf80 (2.4)	SIK3 (2.4)
PYY (2.2)	GPIHBP1 (2.2)
RBPJ (2.6)	CSGALNACT1 (2.3)
PCSK7 (2.0)	CD40 (2.0)
ATG13 (2.9)	NFATC3 (2.7)
MT1E (2.5)	PLTP (2.3)
ENSG00000181123 (2	C1QTNF4 (2.1)
MVK (2.4)	NR0B2 (2.4)
BCL3 (3.1)	PTPRJ (3.1)
TRIB1 (2.1)	GLUL (2.0)
SNX10 (1.9)	ANGPTL4 (1.9)
ANGPTL4 (1.9)	MT1M (1.9)
LIPC (2.9)	TGM5 (2.7)
HCAR1 (3.1)	TMED5 (3.0)
ENSG00000256746 (2	OR5I1 (2.1)
TSNAXIP1 (2.6)	FPR3 (2.4)
MBD1 (2.0)	ZFAND2A (2.0)
ABCA8 (2.9)	TGM5 (2.8)
ANGPTL4 (2.1)	CSGALNACT1 (2.1)
CD36 (2.3)	SEC14L4 (2.3)
NFATC3 (1.8)	CD36 (1.8)
JMJD1C (2.0)	PITPNM2 (1.9)
SPI1 (2.8)	ANGPTL4 (2.6)
PPP1R1B (2.7)	TBL2 (2.6)
CBFB (2.4)	SLC12A4 (2.2)
CSGALNACT1 (2.1)	UVRAG (2.1)
DGAT2 (2.3)	NR1H3 (2.3)
OR5L2 (2.2)	CD300LG (2.1)
APOA4 (2.6)	COX19 (2.6)
AMBRA1 (2.4)	CBFB (2.3)
PLA2G15 (2.5)	ACP2 (2.4)
APOA5 (3.1)	BACE1 (2.8)
UBE3B (2.8)	MVK (2.8)
SLC9A5 (2.4)	ZSCAN29 (2.3)
LIPG (2.4)	TTC39B (2.2)
LRP4 (2.0)	ETV5 (2.0)
MAP1A (2.2)	ARFGAP2 (2.1)

APOA5 (3.3)	LCAT (3.2)
SCARB1 (1.9)	ABCB9 (1.8)
C1QTNF4 (1.9)	C7orf50 (1.8)
NR0B2 (2.4)	APOA5 (2.4)
KCTD6 (2.2)	PLTP (2.2)
SNX10 (2.2)	CD40 (2.1)
SNX10 (2.2)	CD40 (2.1)
SNX10 (2.2)	CD40 (2.1)
MT1H (2.6)	COBLL1 (2.6)
CX3CL1 (2.0)	TRPS1 (1.8)
NR1H3 (3.2)	PLA2G6 (2.9)
NR1H3 (3.2)	PLA2G6 (2.9)
NR1H3 (3.2)	PLA2G6 (2.9)
GPAM (3.2)	ABHD6 (3.1)
KLF14 (2.2)	MON1A (2.1)
C19orf80 (4.5)	APOA5 (4.4)
MLXIPL (2.3)	LPL (2.2)
RAB11B (2.1)	SPI1 (2.1)
TRNP1 (2.3)	KANK2 (2.3)
NRBF2 (2.6)	THAP11 (2.6)
LILRB2 (2.6)	RBPJ (2.5)
LIPC (4.4)	APOA5 (4.0)
LCAT (4.1)	APOA5 (3.9)
NUP93 (2.3)	PCIF1 (2.3)
BCL7B (2.1)	KCTD10 (2.0)
C11orf9 (2.8)	VEGFA (2.8)
SCARB1 (2.8)	PPIP5K1 (2.7)
PACSIN3 (2.9)	F2 (2.9)
UVRAG (2.1)	ZNF613 (2.0)
NRBF2 (3.2)	LILRA3 (3.1)
GALNT2 (2.9)	ACP2 (2.9)
SETD8 (2.1)	INTS10 (2.0)
CD300LG (2.3)	GLUL (2.3)
DGAT2 (2.5)	E2F4 (2.5)
ABCA8 (2.1)	CCL22 (2.1)
BCL3 (2.8)	TRIB1 (2.7)
TECTB (2.4)	VEGFA (2.3)
MTMR3 (2.7)	TMEM62 (2.5)
FADS1 (2.6)	NR1H3 (2.5)
MLXIPL (2.8)	MTCH2 (2.7)
NR0B2 (3.0)	EXOC3L1 (2.9)
BCL3 (2.0)	SMPD3 (2.0)
PACSIN3 (2.1)	UBE3B (2.0)
PACSIN3 (2.1)	UBE3B (2.0)
APOC1 (3.3)	APOC4 (3.3)
MMAB (1.9)	VEGFA (1.8)
APOC1 (2.8)	CPS1 (2.8)
CITED2 (2.4)	CBFB (2.3)
C17orf57 (2.1)	CX3CL1 (2.1)
PACSIN3 (2.1)	UBE3B (2.1)

ZNF664 (2.4)	CD300LG (2.3)
UBE3B (2.5)	ZNF350 (2.5)
LCAT (2.3)	CD36 (2.3)
PLG (2.5)	ENSG00000254235 (2
CD300LG (2.5)	TMED5 (2.5)
LCAT (4.7)	CPS1 (4.3)
SPI1 (2.4)	LILRA3 (2.4)
SPI1 (2.4)	LILRA3 (2.4)
C19orf80 (3.6)	HNF4A (3.2)
C19orf80 (3.6)	HNF4A (3.2)
SCARB1 (2.1)	SPI1 (2.1)
JMJD1C (2.2)	SNX10 (2.2)
CIAPIN1 (2.8)	C16orf48 (2.8)
APOC1 (4.2)	APOC4 (4.2)
GPAM (2.3)	EPB42 (2.3)
KCTD19 (2.3)	OR5I1 (2.3)
INTS10 (2.6)	ZNF615 (2.5)
ST3GAL4 (2.3)	ABCA8 (2.2)
MT1M (1.9)	SLC9A5 (1.9)
MACF1 (2.3)	GPIHBP1 (2.3)
FPR3 (2.4)	ABCA1 (2.4)
RBPJ (2.7)	MLXIPL (2.6)
GPIHBP1 (2.2)	PPY (2.2)
KCTD10 (2.0)	PVRL2 (1.9)
MMAB (2.6)	SLC7A6 (2.2)
MT1H (2.3)	OR5I1 (2.3)
PLTP (2.2)	ABCA8 (2.1)
ZNF350 (2.5)	BBS2 (2.5)
GPN2 (2.4)	DYM (2.4)
GLUL (2.6)	NDUFS3 (2.6)
OR4A21P (2.2)	IGF2R (2.2)
CX3CL1 (2.6)	PSMB10 (2.5)
C12orf43 (2.3)	KLHL8 (2.2)
APOC1 (3.0)	BCAM (2.7)
PSMB10 (1.9)	DPEP3 (1.9)
B3GNT9 (2.3)	DOCK6 (2.1)
MT1E (2.8)	CCL17 (2.7)
AMBRA1 (2.5)	VEGFA (2.4)
PLG (2.0)	APOC4 (2.0)
ETV5 (2.4)	CD40 (2.3)
GALNT2 (3.0)	APOA4 (2.9)
ENSG00000255507 (2	SLC22A1 (2.5)
NUP160 (2.7)	RBM5 (2.7)
MADD (1.8)	CELSR2 (1.8)
VEGFA (1.9)	PITPNM2 (1.9)
PPY (2.4)	PIGV (2.4)
CATSPER2 (2.3)	DPEP2 (2.3)
CD36 (2.4)	DGAT2 (2.2)
TTC39B (2.3)	FBXL20 (2.3)
LPL (2.3)	HCAR1 (2.2)

CMIP (2.2)	CTRL (2.2)
AFF1 (2.8)	UVRAG (2.7)
C16orf70 (2.2)	C19orf80 (2.2)
TRIB1 (2.1)	SNX13 (2.0)
MAFF (2.2)	CITED2 (2.1)
MPP2 (2.4)	ACD (2.4)
NEUROD2 (2.5)	NAGS (2.4)
SPI1 (2.4)	DGAT2 (2.4)
MTCH2 (2.4)	ARFGAP2 (2.3)
APOC3 (3.8)	APOC1 (3.5)
CX3CL1 (2.2)	ANGPTL4 (2.2)
C19orf80 (4.0)	APOC4 (3.5)
CPS1 (4.5)	APOA1 (4.5)
FADS2 (1.9)	PDE3A (1.8)
LILRA3 (2.1)	OR4A21P (2.0)
TRADD (2.5)	CBFB (2.4)
KANK2 (2.6)	PXK (2.5)
CETP (2.7)	GPIHBP1 (2.5)
MYO1H (2.1)	LIPG (1.9)
STRC (2.0)	ACAA2 (2.0)
NRBF2 (2.1)	SETD8 (2.0)
MYO5B (2.0)	MT1G (2.0)
ENSG00000236267 (1	PTPRZ1 (1.7)
PLA2G6 (2.0)	PPIP5K1 (2.0)
CD40 (2.3)	SLC12A4 (2.2)
SNX10 (2.3)	LILRA3 (2.3)
LSM12 (1.8)	PRMT7 (1.8)
BUD13 (2.7)	THAP11 (2.5)
FADS1 (3.4)	MVK (3.1)
PSKH1 (2.1)	ZDHHC18 (2.0)
EPB42 (2.2)	MPHOSPH9 (2.0)
MIEN1 (2.2)	RAB11B (2.2)
RAB11B (2.2)	CD40 (2.1)
RAB11B (2.2)	CD40 (2.1)
LCAT (2.9)	SLC22A1 (2.9)
G6PC3 (2.6)	XKR8 (2.5)
OR5L2 (2.5)	DYM (2.1)
ABCB9 (2.5)	KCTD19 (2.4)
GPAM (2.2)	CES4A (1.9)
RAPSN (2.9)	MT1X (2.6)
HNF4A (2.4)	MYO5B (2.3)
TBKBP1 (2.2)	ENSG00000247445 (2
TRIB1 (1.8)	SPI1 (1.8)
IGF2R (2.4)	SLC12A4 (2.3)
CDK12 (2.2)	OGFOD1 (2.2)
PLTP (2.1)	GPR146 (2.1)
SLC22A1 (2.8)	ENSG00000236267 (2
CPS1 (4.7)	C19orf80 (4.4)
LIPC (2.6)	NAGS (2.5)
IGF2R (2.2)	PGS1 (2.1)

SLC9A5 (2.0)	SLC12A3 (1.9)
SIK3 (1.8)	TECTB (1.7)
TBKBP1 (2.2)	ZNF614 (2.1)
ACP2 (2.7)	PPIP5K1 (2.7)
ACP2 (2.7)	PPIP5K1 (2.7)
COBLL1 (2.3)	MON1A (2.3)
FHOD1 (2.4)	CPNE2 (2.2)
JMJD1C (2.6)	ERBB2 (2.5)
SNX13 (2.3)	TMEM208 (2.3)
APOC4 (2.4)	SLC12A3 (2.4)
APOC4 (2.4)	SLC12A3 (2.4)
SPI1 (2.9)	PTPRJ (2.8)
ARFGAP2 (2.8)	INTS10 (2.6)
NOL3 (2.3)	AMBRA1 (2.3)
BMP8A (2.3)	MACF1 (2.3)
ZDHHC18 (2.4)	CD300LG (2.3)
CES4A (2.1)	TBKBP1 (2.1)
PVRL2 (2.8)	MT1G (2.5)
ST3GAL4 (2.4)	C19orf80 (2.2)
PXK (2.2)	TMEM175 (2.2)
GPAM (2.2)	PLG (2.0)
PITPNM2 (2.6)	CETP (2.4)
APOE (2.5)	HERPUD1 (2.2)
RLTPR (1.8)	NFATC3 (1.8)
TBKBP1 (1.9)	ENSG00000247445 (1
POLR2C (2.4)	OGFOD1 (2.2)
APOA1 (2.6)	C16orf70 (2.6)
MT1G (2.1)	MT1E (2.1)
C11orf9 (1.9)	PGAP3 (1.9)
PSMB10 (2.1)	SNX10 (2.0)
FHOD1 (2.0)	PSMC3 (1.9)
MST1R (2.5)	FADS2 (2.5)
CD300LG (2.5)	GPIHBP1 (2.5)
APOA1 (2.8)	CPS1 (2.8)
SNX10 (2.4)	CSGALNACT1 (2.0)
CCL22 (1.9)	CD300LG (1.9)
THAP11 (2.2)	YDJC (2.1)
RAB11B (1.9)	FZD9 (1.9)
ABCA8 (2.2)	ERBB2 (2.2)
SLC39A13 (2.4)	RSPO3 (2.4)
APOA5 (5.0)	HNF4A (4.2)
MT1M (2.1)	OR4A21P (2.0)
BACE1 (2.4)	MVK (2.3)
SIK3 (2.1)	SOST (2.0)
DPEP2 (2.1)	ANGPTL4 (2.1)
KANK2 (1.9)	RLTPR (1.8)
BCL3 (2.3)	LILRA3 (2.3)
RLTPR (2.0)	GPIHBP1 (1.9)
C19orf80 (2.0)	HNF4A (1.8)
APOC1 (2.3)	LPA (2.2)

MIEN1 (3.0)	GPN2 (3.0)
MVK (3.4)	DGAT2 (3.2)
PTPRJ (2.0)	SNX10 (2.0)
GPIHBP1 (2.2)	SPI1 (2.1)
CD300LG (2.0)	RLTPR (2.0)
SLC39A13 (2.5)	PLG (2.5)
DYM (1.9)	UBE2L3 (1.8)
MLXIPL (2.3)	CPS1 (2.3)
HNF1A (2.0)	OR4A21P (2.0)
C16orf70 (2.6)	CLPTM1 (2.4)
NR1H3 (2.3)	APOC1 (2.2)
GPIHBP1 (2.0)	NR0B2 (2.0)
GFOD2 (2.0)	PGS1 (2.0)
CCL22 (1.9)	SPI1 (1.8)
ERBB2 (2.5)	FHOD1 (2.5)
LIPG (2.1)	GPAM (2.0)
CCL22 (2.9)	MAFF (2.6)
PLA2G6 (3.3)	COQ9 (3.0)
SPI1 (2.5)	SLC7A6 (2.3)
C19orf80 (2.3)	NAGS (2.3)
GPIHBP1 (2.9)	APOC1 (2.9)
ARFGAP2 (2.6)	C11orf49 (2.5)
PSKH1 (1.7)	PTPRJ (1.7)
UBE3B (2.2)	BACE1 (2.1)
ABCA1 (3.0)	PLG (2.9)
RBPJ (2.5)	CCL17 (2.2)
MACF1 (2.3)	TAGLN (2.3)
KLF14 (1.9)	CPS1 (1.9)
CES4A (2.9)	G6PC3 (2.6)
CES4A (2.9)	G6PC3 (2.6)
LIPC (3.9)	NR0B2 (3.6)
SNX10 (1.9)	PGS1 (1.8)
ENSG00000236267 (2	TTC39B (2.5)
MT1G (2.7)	TAGLN (2.6)
EXOC3L1 (2.0)	CD300LG (2.0)
RLTPR (2.8)	CIAPIN1 (2.8)
ENSG00000247445 (2	RSPRY1 (2.1)
NCOA5 (2.0)	FPR3 (2.0)
PGS1 (2.1)	MST1R (2.1)
PLA2G6 (2.9)	ENSG00000226334 (2
PLA2G6 (2.7)	CYP2W1 (2.5)
DYM (2.1)	ZNF408 (2.0)
FBXL20 (3.0)	BCL3 (2.9)
GPN2 (2.7)	CKAP5 (2.6)
LILRA3 (1.9)	CD300LG (1.9)
ERBB2 (2.5)	BCAM (2.5)
CLPTM1 (2.1)	ABCA1 (2.0)
TRIB1 (2.6)	CETP (2.5)
LCAT (3.2)	APOA5 (3.2)
LCAT (3.2)	APOA5 (3.2)

DOCK6 (2.2)	FHOD1 (2.2)
APOA5 (2.1)	CBFB (2.1)
KCTD19 (2.3)	SLC22A1 (2.3)
DDX28 (2.4)	BBS2 (2.4)
PLTP (2.2)	APOC1 (2.1)
TNKS (2.1)	MED1 (2.1)
GALNT2 (2.3)	MACF1 (2.2)
NR0B2 (3.0)	SEC14L4 (2.7)
CPS1 (3.4)	ABCA8 (3.2)
APOA1 (2.0)	SLC22A1 (1.9)
MAFF (2.1)	CBFB (2.0)
TAGLN (2.3)	BCL7B (2.2)
APOC3 (2.9)	SLC22A1 (2.8)
MT1M (2.1)	VEGFA (2.1)
ZNF335 (2.8)	ZNF259 (2.8)
CETP (2.4)	PTPRJ (2.4)
NUP93 (2.5)	CLPTM1 (2.2)
GPER (1.9)	PLTP (1.9)
ANGPTL4 (2.1)	MBD1 (1.9)
GPIHBP1 (2.2)	FHOD1 (2.2)
DUS2L (2.4)	NUP93 (2.4)
PSMB10 (2.4)	CD40 (2.3)
PSMB10 (2.4)	CD40 (2.3)
DEPDC1 (2.2)	RBM5 (2.2)
CBFB (2.1)	LILRA3 (2.1)
RELB (1.9)	CSGALNACT1 (1.8)
ETV5 (2.0)	PDIA3 (1.9)
BCL3 (1.9)	FHOD1 (1.9)
G6PC3 (2.1)	C12orf65 (2.1)
RAB11B (2.5)	C11orf49 (2.5)
DDB2 (1.9)	NRBF2 (1.9)
PYY (2.0)	NFATC3 (2.0)
KCTD10 (2.5)	TRADD (2.5)
PTPRJ (2.0)	SLC12A4 (2.0)
MT1F (2.4)	APOC4 (2.3)
ADAL (2.1)	DOCK6 (2.0)
KPNB1 (2.5)	VEGFA (2.4)
BCL3 (2.8)	NLRC5 (2.8)
TRADD (2.6)	KCTD10 (2.6)
RSPO3 (2.6)	TBKBP1 (2.5)
APOC1 (2.6)	CPS1 (2.6)
REEP3 (2.0)	PTPMT1 (1.8)
PGS1 (2.6)	JMJD1C (2.6)
SOST (2.2)	PPP1R1B (2.2)
DOCK6 (2.5)	MYO5B (2.4)
KBTBD4 (2.2)	PRMT7 (2.1)
LCAT (3.7)	LIPC (3.2)
MAFF (2.2)	TRIB1 (2.2)
BACE1 (2.0)	C12orf65 (2.0)
ERBB2 (2.8)	HCAR1 (2.7)

SOST (2.6)	TRPS1 (2.3)
CCL17 (2.0)	RLTPR (1.9)
UBR1 (2.4)	CPS1 (2.2)
ZNF614 (2.0)	CCL17 (2.0)
BAZ1B (2.1)	MPHOSPH9 (1.8)
C19orf80 (2.6)	MT1M (2.5)
ESRP2 (2.2)	PGAP3 (2.1)
PDE3A (1.8)	MST1R (1.8)
CCL22 (2.7)	CCL17 (2.7)
TMEM208 (2.7)	ZFAND2A (2.5)
APOC3 (2.3)	DPEP3 (2.1)
CETP (2.1)	HNF1A (2.1)
C17orf105 (2.1)	PLTP (2.1)
HCAR1 (2.4)	AFF1 (2.4)
SLC12A4 (2.1)	DOCK6 (2.1)
CKAP5 (2.5)	ZNF408 (2.5)
SLC7A6 (2.0)	ANGPTL4 (2.0)
OASL (2.1)	HERPUD1 (2.1)
CYP2W1 (2.3)	ENSG00000236267 (2
SIK3 (2.3)	ABCB9 (2.3)
MLXIPL (3.2)	MTCH2 (2.8)
FADS1 (2.5)	MTCH2 (2.5)
PLA2G15 (2.1)	SNX10 (2.0)
SCARB1 (2.5)	APOA4 (2.4)
CPS1 (3.0)	APOA5 (2.8)
MVK (2.2)	GALNT2 (2.2)
PGS1 (1.7)	SNX13 (1.7)
C19orf80 (4.2)	PLG (3.9)
C17orf57 (2.4)	MST1R (2.4)
DPEP2 (2.2)	DUS2L (2.0)
MT1M (1.9)	SNX10 (1.8)
ABCB9 (2.2)	PTPRZ1 (2.1)
TRADD (2.6)	NFATC3 (2.5)
CELF1 (2.4)	ARFGAP2 (2.3)
CX3CL1 (2.5)	SCARB1 (2.5)
PTPMT1 (3.3)	DGAT2 (2.7)
CD40 (2.0)	CCL17 (2.0)
CITED2 (2.3)	SLC7A6 (2.3)
TBKBP1 (2.2)	CES4A (2.1)
PSKH1 (2.3)	MON1A (2.2)
LPL (2.6)	DGAT2 (2.2)
CTDSPL2 (2.4)	TBL2 (2.4)
HCAR1 (2.0)	MST1R (2.0)
APOB (2.7)	APOC3 (2.6)
EXOC3L1 (2.0)	COX19 (2.0)
CMIP (2.0)	LIPC (2.0)
TMEM208 (2.9)	IGF2R (2.8)
HNF4A (3.2)	APOC4 (3.0)
CTRL (2.2)	HNF1A (2.2)
APOC4 (4.4)	HNF4A (3.5)

ZNF615 (2.1)	C17orf57 (2.0)
ENSG00000226645 (2	MT1M (2.0)
GPR146 (2.1)	E2F4 (2.0)
CD300LG (2.2)	RLTPR (2.0)
MT1H (2.3)	PTPRJ (2.1)
SNX10 (2.2)	KLHL8 (2.1)
C1QTNF4 (2.1)	PIGV (2.0)
C16orf86 (2.6)	ABHD6 (2.5)
UBE3B (2.8)	KBTBD4 (2.7)
BCL3 (1.9)	POLR2C (1.8)
OR4A1P (2.2)	EXOC3L1 (2.1)
FBXL20 (2.3)	ENSG00000229043 (2
HNF4A (3.3)	APOC3 (3.2)
APOC4 (4.1)	HNF4A (4.1)
ZNF350 (2.4)	COQ9 (2.4)
CD36 (2.3)	TTC39B (2.2)
SIK3 (2.5)	LILRB2 (2.4)
C1orf172 (2.4)	REEP3 (2.2)
ADAL (2.7)	PLTP (2.7)
BCL7B (2.8)	HDAC5 (2.7)
PVRL2 (2.1)	C18orf32 (2.1)
CCL17 (2.2)	SLC7A6OS (2.1)
GPIHBP1 (1.8)	ENSG00000254235 (1
LCAT (2.2)	ENSG00000254235 (2
ERBB2 (2.4)	CMIP (2.3)
PSMB10 (2.6)	PGS1 (2.6)
TRADD (2.2)	PDIA3 (2.2)
RELB (2.0)	ABCA1 (2.0)
CPS1 (3.5)	APOC3 (2.8)
DPEP2 (2.1)	C12orf65 (2.1)
F2 (2.5)	BCAM (2.5)
ACAA2 (2.6)	STRC (2.5)
CCL17 (2.6)	HCAR1 (2.4)
APOB (4.4)	HNF4A (4.3)
FPR3 (2.1)	BACE1 (2.1)
CD40 (2.1)	TGM7 (2.1)
ESRP2 (2.5)	RELB (2.4)
LIPG (2.2)	SCARB1 (2.2)
APOB (2.6)	OR5I1 (2.5)
SPI1 (2.7)	CSGALNACT1 (2.0)
PITPNM2 (2.1)	HDAC5 (2.1)
CMIP (2.2)	C17orf57 (2.1)
MMAB (2.4)	MST1R (2.3)
GPR146 (2.9)	LILRB2 (2.4)
ZFAND2A (2.5)	C11orf49 (2.4)
SPG11 (1.8)	VEGFA (1.8)
RBPJ (2.4)	RSPO3 (2.3)
DUSP3 (2.5)	G6PC3 (2.5)
GPR146 (2.4)	SLC7A6 (2.3)
GPAM (2.1)	JMJD1C (2.0)

FBXL20 (2.4)	NR0B2 (2.4)
MIEN1 (2.4)	MT1M (2.3)
APOC3 (2.4)	SLC22A1 (2.3)
B3GNT9 (2.7)	TMEM208 (2.5)
TRADD (2.3)	CCL17 (2.3)
HDAC5 (2.1)	E2F4 (2.1)
PNMT (3.3)	ABCA8 (3.1)
CCDC92 (2.2)	SLC9A5 (2.2)
CPS1 (3.9)	APOC4 (3.6)
LPL (2.5)	PGS1 (2.5)
TRIB1 (2.4)	MT1M (2.3)
LPL (2.5)	ACP2 (2.4)
ENSG00000247445 (2	E2F4 (2.4)
TMEM208 (2.8)	ARFGAP2 (2.6)
SNX10 (2.0)	TBKBP1 (2.0)
CD300LG (2.2)	MPP3 (2.1)
CD300LG (2.2)	MPP3 (2.1)
GFOD2 (2.1)	PPY (2.0)
TBKBP1 (2.5)	FBXL20 (2.4)
SPI1 (2.8)	SNX10 (2.8)
CPS1 (4.8)	HNF4A (4.4)
NR0B2 (2.5)	GPIHBP1 (2.4)
HDAC5 (2.4)	PLTP (2.3)
RANBP10 (2.3)	UBE2L3 (2.3)
CES4A (2.3)	ZDHHC18 (2.1)
CD36 (2.8)	LPL (2.6)
CD36 (2.8)	LPL (2.6)
KLHL8 (2.1)	SBNO1 (2.1)
KLHL8 (2.1)	SBNO1 (2.1)
PTPRZ1 (2.7)	BCAM (2.6)
BCAM (2.0)	PGAP3 (1.9)
KBTBD4 (2.5)	ARID1A (2.5)
EIF3J (2.0)	RAB11B (2.0)
NR1H3 (2.0)	KCTD10 (1.9)
FPR3 (2.5)	ABHD6 (2.5)
FPR3 (2.5)	ABHD6 (2.5)
NUP93 (2.3)	TBL2 (2.3)
CETP (3.0)	OASL (3.0)
ELMO3 (2.4)	ARHGAP1 (2.3)
ENSG00000226334 (2	SNORD58C (2.2)
ENSG00000182109 (2	CTDSPL2 (2.4)
TGM7 (2.2)	RELB (2.0)
ENSG00000247445 (2	SLC9A5 (2.3)
RBPJ (2.7)	RSPO3 (2.4)
PPIP5K1 (2.4)	SCARB1 (2.3)
CX3CL1 (2.4)	TRIB1 (2.2)
TGM5 (2.7)	UVRAG (2.6)
FBXL20 (1.9)	ENSG00000182109 (1
CSGALNACT1 (2.0)	LILRA3 (2.0)
PDE3A (2.4)	ESRP2 (2.3)

ENSG00000179523 (2	C12orf65 (2.0)
APOC4 (2.7)	CCDC92 (2.6)
DPEP2 (2.2)	APOE (2.1)
PSKH1 (2.4)	UVRAG (2.4)
CX3CL1 (2.2)	DPEP2 (2.1)
PGS1 (2.3)	CCL17 (2.1)
THAP11 (2.5)	CXXC1 (2.5)
RSPO3 (2.3)	DGAT2 (2.3)
NAGS (2.1)	KCTD19 (2.1)
SIK3 (1.9)	ZNF335 (1.8)
B3GNT9 (2.2)	DOK4 (2.1)
CD36 (2.0)	HNF4A (1.9)
TRIB1 (2.2)	CITED2 (2.2)
JMJD1C (2.0)	GRB7 (2.0)
GPER (1.8)	LPL (1.8)
SLC39A13 (1.7)	CYP2W1 (1.7)
ZDHHC18 (2.6)	LILRB2 (2.2)
TECTB (2.2)	PSMB10 (2.0)
NLRC5 (2.9)	C18orf32 (2.8)
SPI1 (2.7)	ACP2 (2.5)
SPI1 (2.7)	ACP2 (2.5)
PSMB10 (2.1)	TRADD (2.0)
GALNT2 (2.5)	CPS1 (2.5)
HSF4 (2.0)	CES4A (2.0)
C16orf86 (2.5)	CSGALNACT1 (2.4)
DGAT2 (2.3)	DUSP3 (1.9)
THAP11 (2.4)	NUP160 (2.3)
JMJD1C (2.0)	OR4A21P (2.0)
E2F4 (1.9)	TRIB1 (1.9)
MPP3 (2.5)	MAP1A (2.4)
CBFB (2.3)	NRBF2 (2.2)
VEGFA (2.3)	SETD8 (2.2)
SEC14L4 (2.4)	ACAA2 (2.3)
RSPO3 (2.4)	RBPJ (2.3)
ACP2 (2.1)	OR4A21P (2.1)
MACF1 (2.4)	IGF2R (2.3)
JMJD1C (1.9)	TTBK2 (1.9)
B3GNT9 (2.2)	CCL17 (2.2)
ANGPTL4 (2.1)	ENSG00000223745 (2
PTPRZ1 (2.5)	LIPC (2.3)
LILRB2 (2.4)	APOE (2.3)
SLC12A3 (3.0)	ST3GAL4 (2.9)
DGAT2 (2.9)	CES4A (2.9)
DCPS (2.5)	EDC4 (2.5)
UVRAG (2.0)	CELF1 (1.8)
GALNT2 (2.0)	OR5L2 (1.9)
VEGFA (2.7)	BBS2 (2.6)
C11orf9 (2.3)	CX3CL1 (2.2)
ST3GAL4 (2.7)	KPNB1 (2.4)
GPR146 (2.7)	CETP (2.4)

ENSG00000181123 (2	SLC9A5 (2.2)
ZDHHC18 (2.1)	ENSG00000256746 (2
MT1G (2.0)	MT1H (2.0)
APOC4 (3.1)	PLA2G6 (3.1)
ERBB2 (2.7)	CITED2 (2.6)
CPNE2 (2.5)	NRBF2 (2.2)
CETP (2.5)	NR1H3 (2.4)
OR5L2 (1.8)	LILRA3 (1.8)
C7orf50 (2.5)	ZFAND2A (2.4)
GLUL (2.8)	BCL7B (2.7)
F2 (2.3)	C19orf80 (2.2)
SFN (2.1)	ANGPTL4 (2.0)
EYA3 (2.2)	MED1 (2.2)
RBM5 (2.3)	C17orf57 (2.3)
C19orf80 (2.9)	APOC4 (2.7)
CCDC18 (2.1)	PYY (2.1)
TMEM101 (3.1)	PDIA3 (2.7)
FBXL20 (2.1)	FADS2 (2.1)
LILRA3 (2.0)	SPI1 (2.0)
CLPTM1 (2.9)	C18orf32 (2.6)
C11orf9 (2.1)	MAFF (2.1)
SEC14L4 (2.2)	KLHL8 (2.2)
CATSPER2 (2.4)	FRMD5 (2.4)
MT1M (2.0)	C16orf86 (1.9)
B3GNT9 (2.2)	APOE (2.2)
PPIP5K1 (2.0)	SNX10 (2.0)
DPEP2 (2.1)	CD36 (2.1)
CSGALNACT1 (2.5)	PDE3A (2.4)
OR4A1P (2.3)	NR0B2 (2.3)
VEGFA (2.0)	CD300LG (2.0)
GLUL (2.7)	SPI1 (2.4)
GLUL (2.7)	SPI1 (2.4)
TBL2 (2.3)	DOCK6 (2.2)
TOMM40 (2.3)	COX19 (2.3)
CCL22 (2.7)	SPI1 (2.7)
MPP3 (1.9)	COBLL1 (1.9)
LIPG (2.2)	MT1G (2.1)
CELSR2 (2.0)	PLTP (1.9)
SIDT2 (2.2)	HNF4A (2.2)
OR5I1 (2.3)	TBKBP1 (2.0)
SLC12A4 (1.8)	VEGFA (1.8)
CELSR2 (2.0)	AFF1 (2.0)
LILRA3 (2.2)	CD300LG (2.0)
REEP3 (2.8)	C18orf32 (2.5)
NUP93 (2.5)	CELF1 (2.4)
MT1H (2.1)	MMAB (2.1)
C19orf80 (2.3)	NAGS (2.3)
ENSG00000226645 (2	CDK12 (2.3)
RNF214 (2.3)	DGAT2 (2.1)
NFATC3 (2.6)	PGAP3 (2.5)

E2F4 (2.4)	SLC7A6 (2.3)
MT1M (2.1)	CD40 (2.0)
ANGPTL4 (2.1)	HCAR1 (2.1)
LSM12 (2.0)	ABCB9 (2.0)
FRMD5 (2.4)	GPR146 (2.3)
C16orf86 (2.0)	CD36 (2.0)
CPNE2 (2.0)	ENSG00000179523 (2
C19orf80 (2.3)	PCSK7 (2.2)
PPP1R1B (1.8)	CLPTM1 (1.8)
DGAT2 (2.9)	CD36 (2.9)
APOE (2.5)	MACF1 (2.5)
NR1H3 (2.0)	CD36 (1.9)
NR1H3 (2.0)	CD36 (1.9)
REEP3 (1.9)	VEGFA (1.8)
OR5L2 (1.9)	CD300LG (1.9)
ENSG00000223745 (2	CD36 (2.2)
PXK (1.9)	LILRA3 (1.9)
MYO1H (2.2)	MT1G (2.1)
MLXIPL (2.9)	PNMT (2.9)
COBLL1 (2.2)	KIAA0895L (2.1)
PDE3A (1.9)	LILRA3 (1.9)
ZNF614 (2.1)	AFF1 (2.0)
SIDT2 (2.6)	ZNF615 (2.6)
BCAM (2.8)	TBKBP1 (2.7)
MT1G (2.2)	MT1H (2.1)
CIAPIN1 (2.7)	C16orf70 (2.7)
CENPT (2.2)	ARID1A (2.1)
CD300LG (2.2)	PDE3A (2.1)
PGS1 (1.8)	FPR3 (1.8)
SPI1 (2.8)	SDF2L1 (2.7)
SEC14L4 (2.8)	ABHD6 (2.8)
SEC14L4 (2.8)	ABHD6 (2.8)
RSPRY1 (2.1)	KIAA0754 (2.1)
PLA2G6 (2.1)	SNX10 (1.9)
SLC39A13 (2.6)	SLC7A6 (2.5)
DUSP3 (2.3)	ABCA1 (2.2)
ZNF335 (2.2)	SPG11 (2.2)
NUDT21 (2.3)	CCDC92 (2.2)
LILRB2 (2.5)	RBPJ (2.4)
BAZ1B (2.4)	CDK12 (2.3)
ZDHHC18 (2.3)	RBPJ (2.3)
ENSG00000226334 (2	ENSG00000181123 (2
NR0B2 (2.2)	PYY (2.2)
SPI1 (2.8)	LILRB2 (2.7)
MIEN1 (2.8)	OGFOD1 (2.6)
OR5L2 (2.0)	CD300LG (2.0)
PIGV (2.9)	ST3GAL4 (2.8)
CELSR2 (2.7)	CDK12 (2.6)
RELB (3.5)	MAFF (2.9)
PLA2G6 (2.7)	GLUL (2.7)

PLA2G6 (2.7)	GLUL (2.7)
ENSG00000223745 (2	CD36 (2.2)
BCL3 (2.7)	NR1H3 (2.1)
ABCA8 (3.0)	CPS1 (2.8)
PTPRZ1 (2.6)	TBKBP1 (2.3)
G6PC3 (2.1)	C19orf80 (2.0)
EXOC3L1 (2.5)	KIAA0754 (2.5)
HNF1A (2.2)	HSF4 (2.2)
DDX28 (2.8)	SEC14L4 (2.8)
RSPO3 (2.4)	CETP (2.4)
HNF4A (3.1)	LIPC (2.9)
MST1R (2.3)	GRB7 (2.2)
NPEPPS (1.9)	ENSG00000256746 (1
NR1H3 (2.3)	SPI1 (2.3)
CD300LG (2.1)	GALNT2 (1.8)
RELB (2.5)	APOE (2.3)
SLC22A1 (2.4)	APOA1 (2.2)
CCL22 (1.8)	ST3GAL4 (1.7)
CITED2 (2.2)	NAGS (2.1)
CD36 (2.5)	VEGFA (2.3)
APOC1 (2.9)	GLUL (2.7)
PCSK7 (2.2)	FADS1 (2.2)
MYO1H (2.5)	EXOC3L1 (2.4)
EXOC3L1 (2.6)	HNF1A (2.6)
GALNT2 (2.5)	TMEM208 (2.4)
C18orf32 (2.2)	DYM (2.2)
C11orf9 (2.3)	SIDT2 (2.3)
SLC12A4 (2.5)	KANK2 (2.4)
CPS1 (5.2)	HNF4A (4.1)
E2F4 (2.2)	OASL (2.1)
PXK (1.9)	SETD8 (1.8)
CYP2W1 (2.2)	CD300LG (1.9)
TBKBP1 (2.4)	CD300LG (2.3)
MLXIPL (1.9)	CD300LG (1.7)
CCL17 (2.7)	NRBF2 (2.6)
MST1R (2.5)	SMPD3 (2.2)
OR5L2 (1.9)	LILRA3 (1.9)
MLXIPL (2.0)	HNF1A (1.9)
CD36 (2.2)	MT1H (2.2)
PLG (2.1)	DDX28 (2.0)
PITPNM2 (2.2)	CLPTM1 (2.2)
NR0B2 (2.9)	NAGS (2.6)
ACP2 (2.2)	KBTBD4 (2.0)
VEGFA (2.2)	PDE3A (2.1)
PTPRJ (2.1)	TRPS1 (2.0)
PPIP5K1 (2.5)	CD36 (2.2)
PPIP5K1 (2.3)	NDUFS3 (2.2)
KLHL8 (2.6)	ARFGAP2 (2.4)
COQ9 (2.1)	CSGALNACT1 (2.1)
ETV5 (2.0)	SLC12A4 (1.9)

ENSG00000181296 (1	ZSCAN29 (1.6)
SEC14L4 (2.1)	TGM5 (2.0)
ENSG00000179523 (2	LPA (2.1)
OR5L2 (1.9)	LILRA3 (1.8)
CMIP (2.1)	TUBGCP4 (2.1)
F2 (3.4)	NAGS (3.4)
KLF14 (2.1)	CD36 (2.0)
MED1 (2.0)	PCIF1 (2.0)
ZNF613 (2.8)	SFN (2.7)
KANK2 (2.5)	TMEM175 (2.2)
NR1H3 (2.3)	RLTPR (2.2)
FEN1 (2.2)	SBNO1 (2.1)
LRP4 (2.2)	PTPRZ1 (2.2)
ESRP2 (2.3)	CCL22 (2.1)
TRIB1 (2.3)	CCDC92 (2.2)
SPI1 (2.5)	DGAT2 (2.3)
MACF1 (2.1)	ANGPTL4 (2.1)
C16orf70 (2.5)	SNX10 (2.5)
GPAM (2.4)	PYY (2.3)
UBE3B (2.3)	ZNF664 (2.3)
DPEP2 (2.6)	ABCA8 (2.6)
OGFOD1 (2.7)	CIAPIN1 (2.6)
CMIP (2.3)	PITPNM2 (2.3)
PITPNM2 (2.3)	KCTD10 (2.2)
ATG13 (2.3)	MLXIPL (2.3)
NFATC3 (2.3)	PSMB10 (2.3)
CD40 (2.5)	DGAT2 (2.4)
VEGFA (2.5)	AFF1 (2.4)
FAM192A (2.2)	C7orf50 (2.2)
NAGS (2.4)	GPER (2.2)
PSMB10 (2.3)	APOA5 (2.0)
DGAT2 (2.5)	E2F4 (2.2)
PTPRZ1 (3.0)	TECTB (2.9)
PTPRJ (1.9)	PLA2G15 (1.9)
ABCA1 (2.7)	PLTP (2.7)
APOB (2.4)	PCIF1 (2.4)
KCTD19 (2.4)	LCAT (2.4)
FPR3 (2.3)	MT1M (2.2)
PPIP5K1 (2.4)	GPAM (2.2)
KCTD10 (2.7)	PYY (2.6)
CSGALNACT1 (2.0)	OR5L2 (1.9)
C19orf80 (2.4)	TUBGCP4 (2.4)
TAGLN (2.4)	ACP2 (2.3)
MT1M (2.9)	ENSG00000223745 (2
SPI1 (2.5)	RSPO3 (2.4)
HCAR1 (2.1)	LILRB2 (2.0)
APOA5 (3.2)	C19orf80 (3.0)
ENSG00000226645 (2	GNAO1 (2.1)
SFN (2.1)	ACP2 (2.0)
C19orf80 (3.3)	LCAT (3.1)

DNAH10 (2.0)	ENSG00000181123 (2
MBD1 (2.6)	HDAC5 (2.5)
COQ9 (2.2)	PDHB (2.1)
ARHGAP1 (2.2)	CPNE2 (2.1)
CX3CL1 (2.5)	VEGFA (2.2)
ENSG00000226645 (2	LIPG (2.0)
CDK12 (2.4)	ERBB2 (2.2)
TRPS1 (2.2)	HNF1A (2.1)
GALNT2 (1.9)	EYA3 (1.9)
HERPUD1 (2.5)	SIDT2 (2.5)
HSF4 (2.2)	ABHD6 (2.2)
KPNB1 (2.0)	PDIA3 (1.8)
HCAR1 (2.2)	MYO1H (2.1)
SMPD3 (2.4)	TMED5 (2.3)
C12orf65 (1.8)	CYP2W1 (1.7)
ANGPTL4 (2.4)	KLF14 (2.4)
ABCA8 (2.0)	SFN (2.0)
PVRL2 (2.7)	KANK2 (2.6)
VEGFA (2.0)	FZD9 (2.0)
ZDHHC18 (2.7)	RBPJ (2.6)
ZNF350 (2.0)	STRC (2.0)
CD40 (2.1)	SPI1 (2.1)
PLA2G15 (1.7)	SNX10 (1.7)
GLUL (2.0)	LILRB2 (1.9)
C11orf9 (2.3)	KCTD19 (2.2)
MST1R (2.2)	COX19 (2.1)
C16orf70 (2.1)	EPB42 (2.1)
ACP2 (2.4)	ZNF408 (2.4)
DOCK6 (2.0)	PTPRJ (2.0)
AMFR (2.9)	ABHD6 (2.7)
LILRA3 (2.0)	OR5L2 (1.9)
FPR3 (2.6)	MAFF (2.6)
CCDC116 (2.1)	GPR146 (2.0)
CBFB (2.4)	NLRC5 (2.1)
ABCB9 (2.4)	HCAR1 (2.2)
ARHGAP1 (2.2)	MPP3 (2.2)
CBFB (1.8)	SCARB1 (1.8)
SLC7A6 (2.3)	FPR3 (2.3)
BUD13 (2.6)	CD40 (2.5)
GPAM (3.3)	LRP4 (3.1)
F2 (2.8)	HNF4A (2.7)
PTPRJ (2.2)	NRBF2 (2.2)
SPI1 (2.5)	PVRL2 (2.2)
ABCA1 (2.4)	RLTPR (2.3)
CCL22 (2.4)	ENSG00000236267 (2
RELB (2.1)	RBPJ (2.1)
CELSR2 (2.0)	SIK3 (1.9)
FADS2 (2.1)	C19orf80 (2.1)
VEGFA (2.0)	ARHGAP1 (2.0)
ESRP2 (2.2)	HNF4A (2.1)

MT1X (2.3)	MT1H (1.9)
NUP160 (2.8)	TUBGCP4 (2.7)
RAPSN (2.1)	E2F4 (2.1)
CYP2W1 (2.2)	TRPS1 (2.2)
IGF2R (1.9)	KCTD6 (1.9)
CD40 (2.3)	KLF14 (2.2)
TMEM101 (2.0)	TRNP1 (1.9)
LCAT (1.9)	F2 (1.9)
NR0B2 (2.6)	LPL (2.5)
PCIF1 (2.8)	SETD8 (2.7)
LCAT (2.7)	CPS1 (2.6)
ENSG00000247445 (2	CETP (2.4)
BCL3 (2.7)	C7orf50 (2.4)
ZNF614 (1.8)	ABCA8 (1.7)
PAFAH1B2 (2.2)	REEP3 (2.2)
SMPD3 (3.3)	PDIA3 (3.2)
JMJD1C (2.2)	TMEM175 (2.1)
C17orf57 (2.7)	ZDHHC18 (2.3)
CYP26A1 (2.1)	CASC4 (1.9)
DUSP3 (2.1)	MPP2 (2.0)
UBE2L3 (2.0)	TBKBP1 (2.0)
MT1M (1.6)	TTC39B (1.6)
RBPJ (2.5)	RSPO3 (2.3)
ENSG00000255507 (2	TBKBP1 (2.2)
ZNF350 (2.7)	PRMT7 (2.5)
ZNF350 (2.7)	PRMT7 (2.5)
UVRAG (2.2)	CES4A (2.1)
UVRAG (2.3)	CELF1 (2.3)
PTPRZ1 (1.9)	MT1M (1.9)
DOCK6 (2.4)	LIPG (2.4)
BAZ1B (2.1)	BCL3 (2.0)
CD300LG (2.0)	PITPNM2 (2.0)
CYP2W1 (2.1)	BCL7B (2.1)
CCL22 (2.3)	UVRAG (2.3)
HCAR1 (2.1)	BCL3 (2.0)
TMEM208 (2.7)	G6PC3 (2.7)
LRP4 (2.3)	CYP26A1 (2.3)
HDAC5 (2.5)	ATG13 (2.4)
DGAT2 (2.6)	HNF4A (2.5)
TRADD (2.3)	SLC12A4 (2.2)
CX3CL1 (2.4)	OR4A21P (2.4)
LILRA3 (2.4)	ZNF350 (2.4)
MST1R (1.8)	MPP3 (1.7)
RELB (2.4)	MST1R (2.4)
G6PC3 (3.0)	DCPS (3.0)
ACAA2 (2.1)	SETD8 (2.0)
RELB (2.2)	RLTPR (2.1)
CX3CL1 (2.1)	ZNF350 (2.1)
SFN (2.3)	SOST (2.3)
LIPC (3.2)	SFN (3.2)

PITPNM2 (1.9)	FRMD5 (1.9)
PLA2G15 (2.3)	APOE (2.0)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
RSPO3 (2.4)	RBPJ (2.3)
ENSG00000182109 (2	TBL2 (2.6)
SPI1 (2.3)	PTPRJ (2.2)
BMP8A (2.2)	CX3CL1 (2.0)
SOST (2.1)	LSM12 (1.9)
SOST (2.1)	LSM12 (1.9)
GPER (2.4)	ELMO3 (2.3)
HNF4A (3.6)	APOC1 (3.4)
MT1H (2.5)	PPY (2.4)
CPS1 (3.1)	APOA4 (2.9)
DGAT2 (2.4)	RSPO3 (2.3)
C12orf65 (2.5)	MYO1H (2.4)
C1orf172 (2.1)	GPIHBP1 (2.1)
SETD8 (2.3)	BCAM (2.3)
ABCA1 (2.5)	LILRB2 (2.5)
ENSG00000226334 (2	ABCB9 (2.1)
SMPD3 (1.9)	CCDC11 (1.8)
ZNF614 (2.6)	GPR146 (2.2)
UBE2L3 (2.2)	XKR8 (1.9)
F2 (4.1)	NAGS (3.9)
FADS2 (2.3)	UVRAG (2.2)
OR5L2 (2.3)	ENSG00000181123 (2
GPAM (2.5)	TMEM208 (2.3)
PLA2G6 (2.1)	TAGLN (2.1)
IGF2R (2.3)	PPP1R1B (2.3)
KIAA0754 (2.6)	PIGV (2.2)
SPG11 (2.0)	ZNF615 (2.0)
NPEPPS (2.6)	MYO5B (2.5)
PLA2G15 (2.1)	KLHL8 (2.1)
C11orf9 (2.0)	PTPRZ1 (2.0)
SIDT2 (2.3)	EDC4 (2.3)
OR4A1P (2.3)	ENSG00000181123 (2
DGAT2 (2.2)	SLC7A6 (2.2)
LILRA3 (2.1)	CSGALNACT1 (2.0)
MT1G (2.4)	NR1H3 (2.3)

TBL2 (3.8)	HERPUD1 (3.2)
OR5L2 (2.1)	PSMB10 (2.1)
TRIB1 (1.9)	HDAC5 (1.8)
CLPTM1 (2.3)	CD36 (2.3)
RLTPR (1.9)	OR5L2 (1.8)
CCL17 (2.2)	PYY (2.2)
SFN (2.5)	OR4A21P (2.4)
OR5L2 (2.0)	LILRA3 (1.9)
OR5L2 (2.0)	LILRA3 (1.9)
CD300LG (2.2)	CMIP (2.2)
DOK4 (2.1)	ENSG00000181296 (2
LILRA3 (1.9)	OR5L2 (1.8)
RBPJ (1.8)	ENSG00000226645 (1
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
RSPO3 (2.3)	DGAT2 (2.2)
PLEKHG4 (2.0)	PTPRJ (2.0)
LIPG (2.2)	KLHL8 (2.0)
LILRB2 (2.5)	C1orf172 (2.3)
ABCA8 (2.4)	APOC3 (2.4)
SLC12A3 (2.4)	TRIB1 (2.1)
C12orf65 (2.3)	NPEPPS (2.3)
CD300LG (2.4)	UBR1 (2.2)
PIGV (1.8)	MACF1 (1.7)
MAFF (2.2)	BBS2 (2.1)
LILRA3 (1.9)	OR5L2 (1.9)
LILRA3 (1.9)	OR5L2 (1.9)
LILRA3 (1.9)	OR5L2 (1.9)
SLC12A3 (2.3)	MT1F (2.3)
ABCB9 (2.3)	LPA (2.1)
ENSG00000229043 (2	DYM (2.6)
SETD8 (2.3)	UBR1 (2.2)
MFAP1 (2.3)	RAB11B (2.2)
RLTPR (1.9)	APOA4 (1.9)
TMEM101 (2.5)	HERPUD1 (2.5)
ARHGAP1 (2.7)	ENSG00000247445 (2
BMP8A (2.0)	VEGFA (2.0)
CX3CL1 (2.4)	PGS1 (2.2)
TP53BP1 (2.0)	TBKBP1 (2.0)
SEC14L4 (2.1)	ST3GAL4 (2.0)
SEC14L4 (2.1)	ST3GAL4 (2.0)
CCL17 (2.5)	OR4A21P (2.4)
SFN (1.9)	KCTD10 (1.7)
GLUL (2.1)	APOC4 (2.1)

ZNF613 (2.1)	ZNF350 (2.1)
ENSG00000256746 (2	ABHD6 (2.3)
TBL2 (2.7)	PDIA3 (2.6)
LPL (2.0)	CCDC92 (1.9)
OR5L2 (2.0)	RLTPR (1.8)
DOK4 (2.5)	B3GNT9 (2.4)
DGAT2 (2.4)	RBPJ (2.3)
DNAH10 (2.1)	PACSIN3 (2.1)
DNAH10 (2.1)	PACSIN3 (2.1)
CCL17 (2.1)	HERPUD1 (2.1)
LPL (2.6)	ARHGAP1 (2.4)
CTRL (3.2)	NR0B2 (3.2)
CCL22 (2.4)	ABCA8 (2.3)
SLC7A6 (2.4)	LILRB2 (2.2)
MTF2 (2.2)	CTDSPL2 (2.0)
PLG (2.4)	MTCH2 (2.4)
LPA (2.9)	SLC22A1 (2.9)
UBE2L3 (2.4)	NPEPPS (2.2)
GPAM (2.6)	ENSG00000181123 (2
RAB11B (2.1)	ENSG00000181123 (2
TTC39B (2.3)	SOST (2.1)
BCAM (2.3)	REEP3 (2.2)
C17orf57 (2.2)	PIGV (2.1)
SKA1 (2.2)	DCPS (2.2)
PNMT (2.0)	GFOD2 (2.0)
UBE2L3 (2.4)	G6PC3 (2.3)
ST3GAL4 (2.2)	OASL (2.2)
DOK4 (2.1)	SCARB1 (2.0)
ENSG00000182109 (2	NR1H3 (2.5)
SEC14L4 (3.2)	APOC3 (2.6)
C19orf80 (2.5)	ABCA8 (2.5)
RBPJ (2.7)	RSPO3 (2.3)
SOST (2.3)	MPP2 (2.3)
MYO5B (2.4)	MST1R (2.4)
BCAM (2.1)	VEGFA (2.0)
HERPUD1 (2.2)	DDB2 (2.1)
COQ9 (3.1)	C16orf70 (3.0)
PACSIN3 (1.9)	C16orf48 (1.9)
PACSIN3 (1.9)	C16orf48 (1.9)
SNX10 (1.9)	HERPUD1 (1.8)
INTS10 (2.7)	AGBL2 (2.6)
CELF1 (2.4)	MFAP1 (2.4)
CYP26A1 (2.4)	ZNF408 (2.2)
PIGV (2.1)	ZNF614 (2.1)
OASL (1.9)	TTC39B (1.8)
GPR146 (2.5)	PITPNM2 (2.4)
MIEN1 (2.2)	IGF2R (2.1)
APOA5 (3.3)	MLXIPL (3.3)
NOL3 (2.1)	OR4A21P (2.0)
CPS1 (2.5)	PDIA3 (2.4)

OR5L2 (1.8)	LILRA3 (1.8)
ZNF335 (2.5)	TTBK2 (2.5)
SPI1 (2.1)	CETP (2.0)
ZNF615 (1.9)	CSGALNACT1 (1.8)
C16orf86 (1.9)	OR4A1P (1.9)
PCIF1 (2.8)	MED1 (2.7)
CD300LG (2.5)	PNMT (2.4)
TGM7 (2.2)	MACF1 (2.1)
TRPS1 (2.0)	PLEKHG4 (1.9)
TRADD (2.3)	MT1G (2.2)
GPR146 (2.3)	UVRAG (2.1)
DPEP2 (2.0)	LPA (2.0)
NRBF2 (2.4)	SDF2L1 (2.3)
ACP2 (2.2)	HNF4A (2.1)
SNX13 (2.0)	CCL17 (1.8)
APOA1 (3.1)	ENSG00000236267 (3
RELB (2.4)	APOB (2.2)
NLRC5 (1.9)	SPRYD5 (1.9)
NPEPPS (2.1)	SNX13 (2.0)
TECTB (2.1)	FPR3 (2.1)
PSMC3 (1.8)	CPNE2 (1.8)
GLUL (2.5)	SEC14L4 (2.5)
MAFF (2.1)	AFF1 (2.1)
TSNAXIP1 (2.2)	ZNF664 (2.2)
ARFGAP2 (2.6)	MYO1H (2.3)
OR4A21P (2.7)	ENSG00000256746 (2
DOK4 (2.2)	SLC12A4 (2.2)
UVRAG (2.5)	CCL22 (2.5)
EIF3J (2.6)	INTS10 (2.6)
FADS2 (2.1)	G6PC3 (2.1)
MTMR3 (2.7)	ZNF615 (2.5)
OGFOD1 (3.4)	C16orf70 (3.0)
TMEM208 (2.8)	ENSG00000229043 (2
RSPO3 (2.4)	DGAT2 (2.3)
PITPNM2 (2.3)	SMPD3 (2.2)
BMP8A (1.9)	E2F4 (1.9)
RLTPR (2.3)	PTPRJ (2.2)
IGF2R (2.2)	INTS10 (2.2)
LPL (2.3)	C16orf86 (2.2)
CSGALNACT1 (2.5)	LIPG (2.4)
APOC4 (3.8)	APOC1 (3.7)
APOC4 (3.8)	APOC1 (3.7)
KBTBD4 (3.0)	FAM192A (2.9)
ENSG00000236267 (2	TMED5 (2.3)
CTDSPL2 (2.3)	NUDT21 (2.3)
VEGFA (2.6)	BAZ1B (2.5)
NAGS (3.5)	SEC14L4 (3.4)
DGKG (2.1)	CD300LG (2.0)
APOA5 (2.4)	HNF4A (2.4)
MAFF (2.0)	TAGLN (2.0)

CBFB (2.6)	SBNO1 (2.5)
SNX10 (2.2)	ABCA8 (2.1)
SNX13 (2.4)	C17orf57 (2.3)
BCL3 (2.6)	RLTPR (2.6)
TMEM101 (2.9)	TMEM208 (2.9)
ENSG00000247445 (1	PITPNM2 (1.9)
CD40 (2.0)	LILRB2 (1.9)
ENSG00000182109 (2	SLC39A13 (2.3)
PARD6A (1.7)	MVK (1.6)
ZFAND2A (2.6)	CCL22 (2.5)
NAGS (2.8)	LIPC (2.3)
RSPRY1 (2.9)	POLR2C (2.5)
SIDT2 (2.1)	SMPD3 (2.1)
VEGFA (2.4)	PACSIN3 (2.1)
PSMB10 (1.9)	APOA1 (1.9)
OR5L2 (1.9)	LILRA3 (1.8)
SBNO1 (2.3)	PTPMT1 (2.3)
CD300LG (2.4)	ENSG00000229043 (2
ZDHHC18 (2.2)	ANGPTL4 (2.1)
MED1 (2.4)	CMIP (2.3)
ZNF614 (1.9)	DUS2L (1.9)
C1QTNF4 (2.0)	CSGALNACT1 (1.9)
CX3CL1 (2.6)	FBXL20 (2.3)
PITPNM2 (2.0)	RLTPR (2.0)
LILRA3 (1.8)	OR5L2 (1.8)
ZNF613 (2.0)	HSF4 (2.0)
MED1 (2.9)	JMJD1C (2.6)
RBPJ (2.4)	RSPO3 (2.3)
ANGPTL4 (2.4)	AGBL2 (2.3)
ATG13 (2.7)	TMEM101 (2.7)
RSPO3 (2.2)	PLA2G15 (2.1)
FADS1 (2.5)	ACP2 (2.5)
MST1R (2.4)	GFOD2 (2.3)
BCL3 (2.3)	PCIF1 (2.3)
ANGPTL4 (1.9)	OR5L2 (1.9)
MVK (2.0)	LILRA3 (2.0)
ZNF335 (2.0)	KCTD10 (2.0)
CMIP (1.9)	ETV5 (1.9)
FBXL20 (2.9)	FADS1 (2.8)
BCL3 (2.6)	LILRA3 (2.5)
MIEN1 (3.2)	PCIF1 (3.0)
GRB7 (2.5)	PPP1R1B (2.4)
LILRA3 (2.7)	TRIB1 (2.6)
PSMC3 (2.2)	CCNDBP1 (2.1)
NAGS (2.2)	APOA5 (2.1)
EDC4 (2.5)	TRIB1 (2.5)
NCOA5 (2.5)	PCIF1 (2.5)
CPNE2 (2.1)	GLUL (2.1)
OGFOD1 (2.5)	DCPS (2.5)
XKR8 (2.0)	C11orf9 (2.0)

MYO1H (2.2)	CSGALNACT1 (2.2)
PPY (2.4)	MT1X (2.4)
JMJD1C (2.4)	SLC7A6OS (2.3)
RSPO3 (2.2)	PVRL2 (2.1)
GALNT2 (2.7)	SLC39A13 (2.6)
LILRB2 (2.2)	CD300LG (2.2)
PDHB (2.5)	PPIP5K1 (2.4)
ZNF664 (2.3)	NFATC3 (2.3)
DDB2 (1.9)	ZNF408 (1.9)
PCIF1 (2.5)	LILRA3 (2.5)
LRP4 (2.2)	AMBRA1 (2.2)
LSM12 (2.2)	SBNO1 (2.2)
COX19 (2.4)	LCAT (2.3)
CLPTM1 (2.6)	NDUFS3 (2.5)
LPL (2.5)	CD300LG (2.4)
SNX10 (1.9)	PTPRJ (1.9)
ST3GAL4 (2.4)	MT1H (2.3)
OR4A1P (2.6)	SBNO1 (2.5)
ZNF350 (2.5)	PLA2G6 (2.4)
C16orf86 (2.1)	TGM7 (2.0)
CCL22 (1.9)	EPB42 (1.9)
CD300LG (2.1)	NR1H3 (2.0)
OR5L2 (2.2)	GPER (2.1)
RLTPR (1.9)	ATG13 (1.9)
DOCK6 (2.2)	NCOA5 (2.1)
TSNAXIP1 (2.1)	ENSG00000254235 (2
TSNAXIP1 (2.1)	ENSG00000254235 (2
ZSCAN29 (1.9)	RELB (1.9)
RBM5 (2.5)	ENSG00000182109 (2
MYO1H (2.4)	SNX10 (2.1)
SLC39A13 (2.4)	MTCH2 (2.4)
MLXIPL (2.5)	REEP3 (2.3)
UVRAG (2.6)	TMEM208 (2.6)
TTC39B (1.9)	ACP2 (1.9)
ATG13 (2.3)	REEP3 (2.2)
ZDHHC18 (2.6)	TTC39B (2.5)
SNX10 (2.2)	CDK12 (2.0)
MT1E (2.4)	SEC14L4 (2.4)
SOST (2.1)	TMEM101 (1.8)
LILRA3 (2.3)	KLF14 (2.2)
REEP3 (2.5)	GPIHBP1 (2.3)
PYY (2.0)	CES4A (1.9)
C12orf43 (2.6)	PTPRJ (2.4)
ZSCAN29 (2.1)	SFN (2.1)
TRPS1 (2.0)	TP53BP1 (1.9)
CCL17 (3.2)	LILRA3 (3.2)
MPP2 (2.6)	TRNP1 (2.5)
CETP (2.6)	PSMB10 (2.6)
ACP2 (2.1)	MT1M (2.0)
CCNDBP1 (2.5)	SLC39A13 (2.2)

BUD13 (2.6)	EDC4 (2.6)
G6PC3 (1.9)	PLTP (1.8)
BCL3 (2.8)	TTC39B (2.6)
MAFF (2.5)	MT1H (2.4)
CYP26A1 (2.3)	SIDT2 (2.3)
CKAP5 (2.5)	DYM (2.5)
NOL3 (2.3)	C16orf48 (2.2)
SPI1 (2.2)	RSPO3 (2.2)
E2F4 (2.9)	DPEP2 (2.7)
LILRB2 (2.5)	CETP (2.3)
NR0B2 (2.3)	C7orf50 (2.3)
MYO5B (2.9)	MACF1 (2.7)
PLG (3.7)	C19orf80 (3.1)
ATG13 (2.5)	SETD8 (2.3)
SMPD3 (2.2)	AFF1 (2.2)
DOK4 (2.0)	ABHD6 (1.9)
AFF1 (2.0)	ESRP2 (1.9)
SCARB1 (2.1)	EXOC3L1 (2.0)
RSPRY1 (2.9)	MFAP1 (2.9)
SCARB1 (2.3)	KCTD6 (2.3)
KLF14 (2.5)	PVRL2 (2.5)
DUSP3 (2.1)	HERPUD1 (2.0)
DR1 (2.4)	ETV5 (2.4)
FAM192A (3.0)	RSPRY1 (3.0)
MTMR3 (3.3)	PNMT (3.1)
LRP4 (2.4)	FRMD5 (2.3)
PNMT (2.8)	DPEP3 (2.2)
PLA2G6 (2.0)	DEPDC1 (1.9)
LILRA3 (1.9)	OR5I1 (1.9)
NEUROD2 (2.6)	MPP2 (2.6)
LILRA3 (2.0)	GLUL (1.9)
SPG11 (2.5)	JMJD1C (2.4)
SNX10 (1.9)	HDAC5 (1.9)
CCL17 (2.2)	TGM7 (2.2)
F2 (2.2)	PTPRZ1 (2.1)
MON1A (2.1)	C12orf43 (2.1)
LIPG (2.0)	SPG11 (1.9)
MAFF (2.3)	NR1H3 (2.3)
SIK3 (2.4)	PSMB10 (2.4)
PXK (2.8)	E2F4 (2.7)
C1QTNF4 (2.1)	BCL7B (1.9)
UBE2L3 (2.3)	DUSP3 (2.2)
CXXC1 (2.0)	UBE2L3 (1.9)
HERPUD1 (2.2)	ZNF350 (2.2)
NUTF2 (2.3)	CIAPIN1 (2.2)
MT1H (2.1)	VEGFA (2.0)
APOA1 (3.9)	CPS1 (3.8)
BCL3 (2.7)	OASL (2.5)
TOMM40 (2.7)	PDIA3 (2.7)
MPHOSPH9 (2.2)	RSPRY1 (2.2)

SPI1 (2.6)	RBPJ (2.4)
HCAR1 (2.1)	MIEN1 (2.1)
MIEN1 (2.4)	COX19 (2.3)
C16orf70 (2.2)	DR1 (2.1)
PSKH1 (1.8)	TMEM175 (1.8)
APOC4 (4.1)	C19orf80 (3.7)
C17orf57 (1.9)	C16orf86 (1.9)
NUP160 (2.5)	EDC4 (2.5)
CSGALNACT1 (2.3)	CD36 (2.2)
PTPRZ1 (2.1)	NCOA5 (2.0)
E2F4 (2.1)	TRIB1 (2.1)
PPP1R1B (2.1)	CTDSPL2 (2.0)
C1QTNF4 (2.3)	POLR2C (2.2)
CASC4 (2.0)	VEGFA (1.8)
SLC7A6 (2.5)	COQ9 (2.5)
CD300LG (2.3)	KCTD10 (2.3)
MAFF (2.2)	REEP3 (2.2)
PTPRZ1 (2.2)	TRNP1 (2.2)
PLTP (2.5)	TMEM175 (2.2)
COBLL1 (1.9)	C19orf80 (1.7)
PRMT7 (2.7)	NPEPPS (2.7)
COQ9 (2.3)	DCPS (2.2)
HSF4 (2.2)	VEGFA (2.0)
DCPS (1.9)	FADS2 (1.9)
SLC39A13 (2.2)	SPG11 (2.2)
LILRA3 (2.4)	PYY (2.4)
RSPRY1 (2.5)	PGS1 (2.5)
TBKBP1 (2.6)	PACSIN3 (2.1)
FBXL20 (2.0)	SPI1 (2.0)
NCOA5 (2.6)	EDC4 (2.5)
PPIP5K1 (2.6)	APOC1 (2.5)
ZNF259 (2.1)	TMED5 (2.0)
SOST (2.0)	TRPS1 (2.0)
CDK12 (1.8)	TRPS1 (1.7)
CTRL (1.7)	ENSG00000226334 (1
PNMT (2.1)	ENSG00000182109 (2
LPL (2.0)	ENSG00000181296 (1
TUBGCP4 (2.2)	ST3GAL4 (2.1)
RNF214 (2.0)	SLC7A6OS (2.0)
MYBPC3 (2.2)	PDE3A (2.2)
NR1H3 (2.7)	TRIB1 (2.5)
ELMO3 (2.2)	CD40 (2.2)
HNF4A (2.2)	SMPD3 (2.2)
IGF2R (2.3)	MYO5B (2.2)
MYO5B (2.2)	LCAT (2.2)
FZD9 (2.3)	PLEKHG4 (2.1)
BCAM (1.7)	CELSR2 (1.5)
MYO5B (1.9)	ENSG00000182109 (1
HARBI1 (2.1)	HSF4 (2.1)
C12orf43 (2.2)	SBNO1 (2.1)

GRB7 (2.8)	BUD13 (2.8)
KANK2 (2.2)	APOA4 (2.1)
PSKH1 (2.1)	TRNP1 (1.9)
ETV5 (2.2)	RSPO3 (2.2)
CTDSPL2 (2.2)	ENSG00000182109 (2
PIGV (2.7)	OASL (2.7)
TAGLN (2.3)	FHOD1 (2.2)
TTBK2 (2.0)	RLTPR (2.0)
VEGFA (1.8)	GPAM (1.8)
ZNF408 (1.7)	SEC14L4 (1.7)
TOMM40 (2.2)	PPIP5K1 (1.9)
PGAP3 (2.5)	ZSCAN29 (2.3)
DYM (2.0)	GLUL (1.9)
EPB42 (2.2)	PLA2G6 (2.2)
ST3GAL4 (2.6)	KPNB1 (2.5)
ENSG00000181123 (1	KCTD10 (1.8)
BBS2 (1.8)	DR1 (1.8)
PLTP (2.1)	CETP (2.0)
TRPS1 (1.6)	TRNP1 (1.6)
ACP2 (2.3)	CLPTM1 (2.1)
BMP8A (2.8)	PPP1R1B (2.7)
BUD13 (2.2)	NUP160 (2.2)
ACAA2 (2.3)	PTPRJ (2.3)
SMPD3 (2.2)	TBL2 (2.1)
BUD13 (2.3)	SLC12A4 (2.2)
MYO1H (2.5)	LILRA3 (2.5)
NRBF2 (2.2)	TMEM62 (2.2)
C19orf80 (2.0)	SEC14L4 (2.0)
ZFAND2A (2.3)	CETP (2.3)
ACP2 (1.8)	CCL22 (1.8)
EDC4 (2.2)	AMFR (2.2)
PVRL2 (2.6)	GRB7 (2.6)
ARID1A (2.3)	NCOA5 (2.2)
MPP2 (3.2)	ZNF350 (2.9)
C11orf9 (2.2)	PDE3A (2.2)
UBE2L3 (1.9)	DUSP3 (1.9)
PLA2G15 (2.3)	HNF4A (2.2)
ZDHHC18 (2.5)	RLTPR (2.5)
SIK3 (2.1)	CMIP (2.1)
BAZ1B (2.1)	THAP11 (2.1)
NAGS (2.5)	CPS1 (2.3)
ZNF408 (2.2)	HARBI1 (2.2)
WDR76 (2.7)	PGS1 (2.5)
GALNT2 (2.1)	CX3CL1 (2.0)
GPR146 (2.6)	MPP3 (2.5)
PIGV (2.6)	TMEM175 (2.3)
ENSG00000182109 (2	TBKBP1 (2.2)
FPR3 (1.8)	ETV5 (1.8)
BBS2 (2.1)	MAFF (2.0)
PGS1 (2.6)	CLPTM1 (2.3)

NUP93 (2.9)	MIEN1 (2.8)
SIK3 (2.3)	COX19 (2.2)
BBS2 (2.7)	MTF2 (2.7)
TMEM62 (1.9)	MT1H (1.8)
G6PC3 (2.2)	ERBB2 (2.0)
BACE1 (2.5)	ABHD6 (2.4)
PGS1 (2.0)	NCOA5 (2.0)
ARID1A (2.1)	TMEM62 (2.1)
NR0B2 (2.1)	PPIP5K1 (2.0)
CPS1 (2.6)	SOST (2.5)
PAFAH1B2 (2.1)	TTC39B (2.0)
PIGV (2.1)	TRIB1 (2.0)
CDK12 (2.8)	RBM5 (2.7)
MYO5B (2.8)	PLG (2.4)
SNX13 (3.0)	MFAP1 (2.9)
APOC4 (2.6)	ABCA8 (2.5)
CBFB (2.4)	BBS2 (2.3)
NUDT21 (2.7)	SBNO1 (2.7)
ZSCAN29 (2.3)	AMBRA1 (2.2)
APOC3 (2.4)	APOA1 (2.4)
SMPD3 (2.1)	IGF2R (2.1)
PGS1 (2.1)	TRIB1 (2.0)
ARHGAP1 (2.5)	DUSP3 (2.5)
GPAM (2.2)	MAP1A (2.1)
UBR1 (2.3)	NRBF2 (2.3)
KLHL8 (2.4)	RELB (2.3)
SOST (2.3)	FAM192A (2.3)
CELSR2 (2.1)	SNX13 (2.1)
CBFB (2.0)	JMJD1C (2.0)
LILRB2 (2.2)	DPEP2 (2.1)
FHOD1 (2.2)	LRP4 (2.2)
RBM6 (2.5)	ATG13 (2.3)
SLC12A4 (1.7)	ZNF350 (1.7)
NOL3 (2.5)	ZFAND2A (2.3)
BCL3 (2.2)	SPI1 (2.2)
TRNP1 (2.1)	CELSR2 (1.9)
TNKS (1.9)	ERBB2 (1.9)
CBFB (1.8)	NR1H3 (1.7)
FZD9 (2.1)	ARID1A (2.1)
DDB2 (2.4)	SDF2L1 (2.4)
ABHD6 (2.1)	UBE2L3 (2.1)
LPL (2.0)	TNKS (2.0)
UVRAG (2.0)	CD300LG (1.9)
ABHD6 (1.9)	MT1F (1.9)
TRIB1 (2.2)	ST3GAL4 (2.2)
NDUFS3 (2.3)	PPIP5K1 (2.2)
IGF2R (2.7)	NR1H3 (2.5)
RAB11B (1.9)	E2F4 (1.8)
LIPC (4.1)	APOA1 (3.5)
GALNT2 (2.4)	ARID1A (2.3)

ESRP2 (2.0)	LPL (1.7)
EXOC3L1 (2.1)	PSKH1 (2.1)
MPP2 (2.0)	CMIP (1.9)
DGAT2 (2.5)	LILRA3 (2.4)
SPI1 (2.1)	LILRB2 (2.0)
ATG13 (2.3)	MTF2 (2.2)
NCOA5 (1.9)	B3GNT9 (1.8)
HNF4A (2.3)	CD36 (2.2)
NCOA5 (2.2)	TMEM208 (2.2)
ACP2 (2.8)	NR1H3 (2.7)
BCAM (2.3)	ZFAND2A (2.2)
G6PC3 (2.1)	HERPUD1 (2.1)
PDIA3 (2.6)	OGFOD1 (2.6)
NEUROD2 (2.2)	CIAPIN1 (2.2)
DNAH10 (2.4)	GPR146 (2.3)
ZFAND2A (2.5)	PPIP5K1 (2.4)
HNF4A (2.0)	CCDC92 (2.0)
COQ9 (2.5)	NR0B2 (2.3)
CENPT (2.4)	DR1 (2.2)
PSMB10 (2.8)	TBL2 (2.7)
UVRAG (2.2)	MTMR3 (2.1)
UBE2L3 (2.3)	ARHGAP1 (2.2)
SLC9A5 (1.7)	APOB (1.6)
CLPTM1 (2.1)	G6PC3 (2.1)
RBPJ (1.8)	CCL22 (1.7)
APOC1 (2.9)	APOA5 (2.9)
CCL22 (2.0)	RBPJ (1.9)
CES4A (1.9)	RAB11B (1.9)
FBXL20 (2.8)	ENSG00000226334 (2
DCPS (1.9)	FAM192A (1.9)
C17orf57 (2.3)	DPEP2 (2.2)
SIDT2 (2.0)	CES4A (1.9)
CPNE2 (2.0)	SPI1 (2.0)
MVK (2.4)	GPR146 (2.4)
PTPRZ1 (2.3)	FHOD1 (2.3)
MACF1 (2.3)	DOK4 (2.3)
HERPUD1 (3.6)	TBL2 (3.6)
ST3GAL4 (1.9)	ABCA1 (1.8)
APOA5 (2.5)	SLC22A1 (2.5)
UBE2L3 (2.1)	DGKG (2.1)
FHOD1 (2.1)	AMBRA1 (1.9)
FADS2 (2.2)	RBPJ (2.2)
PYY (2.1)	LRP4 (2.0)
HDAC5 (2.6)	CPNE2 (2.5)
SLC39A13 (2.3)	CPNE2 (2.2)
MFAP1 (3.0)	MTF2 (2.8)
KIAA0754 (2.1)	BCL7B (2.0)
CYP2W1 (2.4)	OR4A21P (2.1)
TBL2 (1.9)	ZNF664 (1.8)
CKAP5 (2.6)	DDB2 (2.1)

LIPC (2.9)	APOC3 (2.8)
ERBB2 (2.5)	SIK3 (2.3)
ZNF664 (2.0)	GFOD2 (1.8)
AMBRA1 (2.1)	PXK (2.1)
ENSG00000179523 (1	CSGALNACT1 (1.8)
CES4A (3.4)	APOC3 (3.1)
PLEKHG4 (2.4)	CD300LG (2.4)
MLXIPL (2.8)	APOA5 (2.6)
PCIF1 (2.5)	UBE3B (2.4)
NRBF2 (2.5)	C12orf65 (2.4)
BMP8A (1.9)	PYY (1.8)
EPB42 (2.2)	ENSG00000247445 (2
COBLL1 (2.2)	ZNF350 (2.2)
TGM7 (2.2)	DNAH10 (2.1)
SEC14L4 (3.2)	CPS1 (3.1)
PARD6A (2.1)	ARFGAP2 (2.1)
BCL3 (2.3)	DUSP3 (2.3)
UBE3B (2.3)	GPAM (2.2)
SPI1 (2.7)	RELB (2.7)
SIDT2 (2.1)	CELSR2 (1.8)
PSMC3 (2.5)	DEPDC1 (2.5)
GPAM (2.9)	DDX28 (2.4)
ZDHHC18 (2.0)	CCL17 (2.0)
ZFAND2A (1.9)	CENPT (1.8)
LRP4 (1.9)	TRPS1 (1.9)
SLC12A4 (2.5)	KANK2 (2.4)
G6PC3 (2.8)	TMEM208 (2.6)
DDB2 (2.3)	PVRL2 (2.2)
DUSP3 (2.1)	CCDC11 (2.0)
SNX13 (2.0)	C12orf65 (1.9)
NUTF2 (2.9)	OGFOD1 (2.9)
ENSG00000256746 (2	B3GNT9 (2.1)
SFN (3.4)	BCAM (2.6)
MAFF (1.9)	KLHL8 (1.9)
HNF1A (2.1)	C18orf32 (2.1)
MT1X (1.9)	MPHOSPH9 (1.8)
STRC (2.1)	LPL (2.0)
LILRA3 (2.4)	HSF4 (2.2)
TMEM62 (1.9)	SNX10 (1.8)
KIAA0754 (2.4)	BACE1 (2.3)
TRNP1 (1.9)	PSKH1 (1.8)
OR5I1 (1.9)	CSGALNACT1 (1.9)
OR5I1 (1.9)	CSGALNACT1 (1.9)
HCAR1 (2.5)	FPR3 (2.4)
DOK4 (2.3)	B3GNT9 (2.2)
SPI1 (2.1)	NLRC5 (1.9)
SLC12A4 (2.0)	KANK2 (2.0)
CIAPIN1 (2.4)	ZNF664 (2.2)
CIAPIN1 (2.4)	ZNF664 (2.2)
MAP1A (2.8)	BACE1 (2.7)

CASC4 (2.7)	ST3GAL4 (2.7)
FNBP4 (2.0)	TTBK2 (1.9)
ENSG00000254235 (2	FNBP4 (2.2)
C19orf80 (2.6)	GPER (2.5)
BCL3 (2.2)	SNX10 (2.2)
CITED2 (2.0)	C17orf105 (1.9)
F2 (3.4)	NAGS (3.2)
CES4A (2.2)	CELF1 (2.1)
KIAA0895L (2.2)	TOMM40 (2.1)
TMEM175 (2.1)	DYM (2.1)
EDC4 (2.6)	ARFGAP2 (2.6)
ST3GAL4 (1.9)	GPAM (1.9)
HNF4A (2.3)	UBE3B (2.2)
RAB11B (2.8)	SPRYD5 (2.7)
DGAT2 (2.3)	AMFR (2.2)
COQ9 (2.3)	ZNF350 (2.3)
LPL (2.1)	ENSG00000181296 (2
DOK4 (2.2)	C1orf172 (2.1)
NPEPPS (2.4)	SNX13 (2.3)
ZNF408 (2.3)	APOA5 (2.2)
CPNE2 (2.1)	REEP3 (2.0)
CCDC11 (1.9)	COX19 (1.9)
ERBB2 (2.1)	ABCA8 (2.0)
KCTD10 (2.3)	RLTPR (2.2)
TMEM101 (1.8)	TRPS1 (1.8)
PSMB10 (2.2)	DPEP2 (2.1)
FRMD5 (1.9)	OASL (1.8)
MON1A (2.2)	UBE3B (2.1)
G6PC3 (2.4)	PCSK7 (2.4)
CLPTM1 (2.0)	TRIB1 (2.0)
ACP2 (2.1)	E2F4 (2.0)
TMEM175 (2.2)	PRMT7 (2.1)
PGS1 (2.7)	TRADD (2.3)
ARID1A (2.6)	MTMR3 (2.6)
NDUFS3 (3.1)	NUTF2 (3.0)
LILRA3 (2.0)	RLTPR (1.9)
C17orf105 (2.1)	ENSG00000223745 (2
ZSCAN29 (2.2)	CXXC1 (2.1)
CPS1 (2.3)	LCAT (2.3)
LILRA3 (2.0)	PPIP5K1 (1.9)
CMIP (2.0)	PLEKHG4 (2.0)
TMEM175 (2.4)	APOE (2.3)
ENSG00000223745 (2	DUS2L (2.1)
UBE3B (2.2)	C16orf70 (2.2)
MT1E (2.4)	PSMC3 (2.3)
UVRAG (2.3)	CETP (2.0)
MPHOSPH9 (2.9)	TUBGCP4 (2.9)
ELMO3 (2.5)	GPIHBP1 (2.5)
PLG (2.5)	CPS1 (2.4)
PTPMT1 (2.7)	B3GNT9 (2.6)

AMFR (2.2)	TMEM208 (2.1)
PCSK7 (1.9)	GPN2 (1.9)
BCL7B (2.5)	ENSG00000247445 (2
BAZ1B (3.1)	RBM5 (2.9)
E2F4 (1.9)	IGF2R (1.9)
NOL3 (2.5)	POLR2C (2.4)
ENSG00000229043 (2	ENSG00000256746 (2
BCAM (2.0)	FRMD5 (2.0)
LILRB2 (2.1)	NLRC5 (2.1)
NR1H3 (2.1)	FPR3 (2.1)
TTC39B (1.8)	PDE3A (1.8)
TTC39B (1.8)	PDE3A (1.8)
BCL3 (2.6)	ZDHHC18 (2.4)
MTMR3 (2.4)	COBLL1 (2.3)
ENSG00000247867 (2	SOST (2.0)
DOCK6 (2.0)	PLTP (1.8)
BCL7B (2.4)	G6PC3 (2.4)
PLG (2.3)	ADAL (2.2)
CBFB (2.3)	APOB (2.3)
ARHGAP1 (2.3)	MLXIPL (2.3)
C12orf65 (2.3)	PLA2G6 (2.3)
SNX10 (1.8)	ENSG00000226645 (1
UBR1 (2.2)	ANGPTL4 (2.2)
ZNF614 (2.3)	OASL (2.2)
ZNF614 (2.3)	OASL (2.2)
ZNF614 (2.3)	OASL (2.2)
GLUL (2.4)	PCIF1 (2.3)
DR1 (2.7)	NPEPPS (2.6)
ZNF614 (2.0)	CES4A (1.9)
TMEM208 (2.3)	INTS10 (2.1)
NUP160 (2.9)	CDK12 (2.9)
HNF4A (3.0)	APOA1 (2.7)
AFF1 (2.7)	TBL2 (2.6)
CD36 (2.1)	HSF4 (1.9)
ENSG00000255507 (2	KIAA0895L (2.0)
NCOA5 (2.3)	CIAPIN1 (2.2)
APOC1 (2.0)	TAGLN (1.8)
RSPO3 (2.0)	CYP26A1 (1.9)
ABCA8 (2.6)	ANGPTL4 (2.6)
MT1F (2.1)	MT1G (2.1)
THAP11 (2.6)	CBFB (2.5)
DCPS (1.9)	CD40 (1.8)
ABCA8 (2.5)	DOCK6 (2.5)
SLC39A13 (2.0)	PPP1R1B (1.8)
UBE2L3 (2.2)	ELMO3 (2.1)
UBE2L3 (2.2)	ELMO3 (2.1)
UBE2L3 (2.2)	ELMO3 (2.1)
UBE2L3 (2.2)	ELMO3 (2.1)
UBE2L3 (2.2)	ELMO3 (2.1)
PNMT (2.9)	MTF2 (2.8)

CYP2W1 (2.1)	ZNF664 (2.1)
MTMR3 (2.0)	HDAC5 (2.0)
BBS2 (2.3)	RBM6 (2.2)
PTPRJ (2.1)	MST1R (2.1)
CELSR2 (2.7)	ERBB2 (2.2)
ABCA1 (2.2)	SNX10 (2.2)
ZNF259 (2.9)	KPNB1 (2.9)
ZNF614 (2.5)	SPI1 (2.3)
PVRL2 (1.8)	SLC12A4 (1.8)
CBFB (2.1)	FBXL20 (2.0)
ABCA8 (2.2)	CLPTM1 (2.0)
OR5L2 (2.0)	ENSG00000254235 (1
PSMB10 (2.3)	ZDHHC18 (2.1)
APOC1 (2.1)	OR5L2 (2.0)
UVRAG (2.3)	AMBRA1 (2.2)
REEP3 (2.2)	LILRA3 (2.2)
LRP4 (2.1)	CSGALNACT1 (2.0)
KANK2 (2.6)	IGF2R (2.6)
CXXC1 (2.0)	KIAA0895L (2.0)
SBNO1 (2.0)	MFAP1 (2.0)
MFAP1 (2.6)	NCOA5 (2.6)
SETD8 (2.4)	UBE3B (2.4)
GPR146 (2.5)	APOA4 (2.5)
TTC39B (2.0)	LILRA3 (1.9)
IGF2R (2.0)	SLC12A4 (2.0)
DGKG (2.0)	C1QTNF4 (2.0)
ENSG00000223745 (2	PLEKHG4 (2.0)
SKA1 (2.2)	PSMC3 (2.2)
E2F4 (2.2)	DOCK6 (2.0)
CATSPER2 (2.2)	PPIP5K1 (2.2)
CATSPER2 (2.2)	PPIP5K1 (2.2)
MAFF (2.0)	TTC39B (2.0)
REEP3 (2.7)	PLA2G15 (2.6)
MIEN1 (2.3)	NFATC3 (2.3)
AFF1 (2.3)	IGF2R (2.2)
SLC12A3 (3.1)	LILRA3 (2.8)
B3GNT9 (2.2)	ENSG00000256746 (2
NRBF2 (2.7)	PNMT (2.7)
KLF14 (2.1)	RSPO3 (1.9)
CITED2 (2.2)	LIPC (2.1)
PTPRJ (2.5)	MST1R (2.4)
PSMB10 (2.2)	OASL (2.2)
C12orf65 (1.8)	PTPRZ1 (1.7)
EIF3J (2.7)	ENSG00000229043 (2
CMIP (2.3)	LRP4 (2.2)
CCL22 (2.1)	DUS2L (2.1)
CPNE2 (2.2)	CCDC92 (1.9)
CLPTM1 (2.2)	BCAM (2.1)
GNAO1 (1.8)	CPNE2 (1.8)
ABCA1 (2.3)	MT1E (2.3)

GPER (1.9)	AFF1 (1.9)
B3GNT9 (1.9)	OR4A21P (1.9)
RBM5 (2.1)	MYO5B (2.1)
MTF2 (2.6)	RSPRY1 (2.6)
MBD1 (2.6)	ZNF664 (2.6)
SEC14L4 (3.0)	SCARB1 (3.0)
LILRA3 (1.9)	DPEP2 (1.9)
NAGS (2.7)	CPS1 (2.6)
ABCA1 (2.5)	CETP (2.4)
TTC39B (2.3)	AMFR (2.3)
MPP3 (2.1)	ENSG00000255507 (2
PAFAH1B2 (2.0)	NFATC3 (2.0)
HDAC5 (2.2)	RANBP10 (2.1)
NFATC3 (2.1)	PSMB10 (2.0)
MPP3 (1.8)	MST1R (1.8)
JMJD1C (2.2)	AFF1 (2.1)
KANK2 (2.6)	KIAA0754 (2.4)
ENSG00000229043 (2	RELB (2.2)
SLC12A4 (2.0)	ENSG00000226334 (2
PLA2G15 (2.1)	DYM (2.1)
ENSG00000226645 (2	ARID1A (2.0)
ZNF350 (2.0)	ENSG00000181123 (2
CMIP (2.4)	ENSG00000226334 (2
DOCK6 (1.8)	B3GNT9 (1.8)
KLHL8 (2.3)	TTC39B (2.3)
CD36 (2.3)	PNMT (2.3)
MLXIPL (2.4)	LIPG (2.4)
MLXIPL (2.4)	LIPG (2.4)
NAGS (3.9)	NR0B2 (3.6)
MVK (2.7)	MTCH2 (2.5)
PACSIN3 (2.6)	PVRL2 (2.5)
TRNP1 (1.8)	ST3GAL4 (1.7)
ANGPTL4 (2.3)	NRBF2 (2.2)
LSM12 (2.7)	EDC4 (2.6)
C17orf57 (2.1)	KCTD10 (2.1)
ZNF259 (2.3)	ZNF664 (2.2)
MIEN1 (3.1)	NFATC3 (2.7)
DOCK6 (2.1)	UBE2L3 (2.1)
KIAA0895L (2.1)	TECTB (2.0)
PSMB10 (2.2)	CETP (2.1)
SNX10 (2.2)	TTC39B (2.2)
ARFGAP2 (2.9)	NUP93 (2.9)
TBL2 (2.3)	TMEM101 (2.3)
APOB (2.5)	APOA1 (2.5)
CMIP (2.6)	C11orf49 (2.6)
BCL7B (2.2)	DR1 (2.1)
ZFAND2A (2.0)	ENSG00000226645 (1
G6PC3 (2.2)	ABCB9 (1.9)
ANGPTL4 (2.0)	ERBB2 (1.9)
SLC12A4 (2.3)	ZFAND2A (2.1)

PTPRJ (2.0)	CCDC116 (2.0)
C16orf70 (2.3)	E2F4 (2.2)
MAP1A (2.1)	RSPO3 (2.0)
NEUROD2 (2.6)	LIPC (2.4)
MED1 (2.5)	UBR1 (2.4)
HARBI1 (2.4)	UBR1 (2.4)
CX3CL1 (2.3)	SLC12A4 (2.2)
BUD13 (2.9)	CELF1 (2.8)
DDX28 (2.6)	MTMR3 (2.5)
NFATC3 (1.7)	FHOD1 (1.6)
FZD9 (1.6)	KLF14 (1.5)
APOC4 (1.6)	PPY (1.5)
CELSR2 (2.3)	ESRP2 (2.2)
ZDHHC18 (2.3)	CETP (2.3)
POLR2C (2.6)	EDC4 (2.6)
CCDC116 (2.4)	ZSCAN29 (2.3)
PSMB10 (2.5)	NLRC5 (1.9)
REEP3 (1.7)	BBS2 (1.7)
C18orf32 (3.2)	SDF2L1 (2.8)
BAZ1B (2.9)	THAP11 (2.8)
MPP2 (2.4)	PDIA3 (2.3)
TRIB1 (1.6)	UBE3B (1.6)
CPNE2 (1.9)	TMEM101 (1.8)
CCL17 (2.5)	TECTB (2.3)
RBPJ (2.2)	KCTD10 (2.0)
ENSG00000254235 (1	OR5J2 (1.8)
MT1M (3.3)	MT1E (3.2)
TMED5 (2.2)	PSKH1 (2.0)
RSPO3 (2.3)	LILRA3 (2.0)
ENSG00000247867 (2	ST3GAL4 (2.5)
CYP2W1 (2.4)	ZNF615 (2.4)
LIPG (2.6)	SIDT2 (2.6)
GPR146 (2.1)	JMJD1C (2.0)
KIAA0754 (2.4)	APOC1 (2.3)
BCAM (2.0)	ELMO3 (1.9)
ENSG00000254235 (2	EXOC3L1 (2.6)
ABCA8 (2.1)	DOK4 (2.1)
CD40 (2.0)	SIK3 (2.0)
MFAP1 (2.7)	CELF1 (2.6)
F2 (1.8)	TGM7 (1.8)
ENSG00000181123 (1	SPRYD5 (1.8)
COQ9 (2.9)	LIPG (2.8)
PSMB10 (3.0)	NDUFS3 (3.0)
COX19 (2.5)	CYP26A1 (2.4)
FBXL20 (2.8)	SNORD58C (2.6)
PLEKHG4 (2.3)	AFF1 (2.3)
PTPMT1 (2.4)	MON1A (2.3)
PDHB (2.5)	SIDT2 (2.4)
FRMD5 (2.3)	MTMR3 (2.2)
EDC4 (2.3)	PGS1 (2.3)

MIEN1 (3.2)	KBTBD4 (3.2)
CD36 (2.1)	FRMD5 (1.9)
CPNE2 (2.0)	MT1M (2.0)
NUP93 (2.8)	OGFOD1 (2.7)
GLUL (2.3)	GALNT2 (2.3)
GPR146 (2.1)	STRC (2.0)
NAGS (3.9)	LCAT (3.7)
SETD8 (2.2)	HERPUD1 (2.1)
ACD (2.9)	RBM5 (2.9)
PSMB10 (2.4)	PLA2G6 (2.4)
FPR3 (2.0)	AMBRA1 (1.8)
KLF14 (2.2)	MYO1H (2.1)
KCTD10 (2.6)	TTC39B (2.5)
NUP93 (3.0)	SNORD58C (2.9)
AMFR (2.3)	APOC1 (2.2)
TRNP1 (2.1)	SEC14L4 (2.0)
SLC7A6OS (2.6)	DDX28 (2.5)
GPR146 (2.1)	ARHGAP1 (2.0)
CPNE2 (2.2)	RAPSN (2.1)
CASC4 (1.8)	MT1G (1.8)
RAPSN (2.2)	DNAH10 (2.2)
TNKS (2.4)	KLHL8 (2.4)
ARID1A (2.3)	HARBI1 (2.3)
CD300LG (2.5)	RSPO3 (2.3)
APOA4 (2.2)	NEUROD2 (2.2)
FADS2 (2.0)	CCL17 (2.0)
MAFF (2.0)	TECTB (2.0)
C1QTNF4 (2.1)	TCAP (2.1)
SEC14L4 (2.6)	COBLL1 (2.6)
KLHL8 (1.9)	DUSP3 (1.9)
OR4A1P (1.9)	AMFR (1.9)
XKR8 (2.1)	COBLL1 (2.1)
TMEM208 (3.0)	PDIA3 (3.0)
ZFAND2A (2.2)	PLA2G15 (2.1)
SLC39A13 (2.2)	CITED2 (1.9)
HERPUD1 (2.2)	NAGS (2.1)
ZDHHC18 (2.1)	BCL3 (1.8)
BCL7B (2.4)	POLR2C (2.4)
MLXIPL (2.6)	LPA (2.4)
MLXIPL (2.7)	PTPMT1 (2.5)
MLXIPL (2.7)	PTPMT1 (2.5)
GRB7 (3.1)	ERBB2 (3.1)
TRPS1 (1.8)	TTC39B (1.8)
APOA4 (2.4)	PTPRZ1 (2.3)
DOK4 (2.1)	FBXL20 (2.0)
NRBF2 (3.0)	TMEM208 (3.0)
TRIB1 (2.1)	SMPD3 (2.1)
APOA5 (2.3)	BBS2 (2.3)
ACP2 (3.1)	PSMB10 (2.8)
FHOD1 (1.9)	TBKBP1 (1.9)

MTMR3 (2.6)	BCL3 (2.6)
BACE1 (2.2)	B3GNT9 (2.2)
MT1X (2.0)	PDE3A (2.0)
BACE1 (1.9)	NEUROD2 (1.8)
PPIP5K1 (2.6)	ATG13 (2.6)
MAFF (2.3)	PRMT7 (2.2)
PDHB (1.7)	NDUFS3 (1.7)
NRBF2 (2.6)	ZNF350 (2.4)
FBXL20 (2.2)	MTMR3 (2.2)
C19orf80 (2.8)	HNF4A (2.7)
ANGPTL4 (2.1)	MPHOSPH9 (2.1)
OR5L2 (1.9)	XKR8 (1.8)
CELF1 (2.7)	ENSG00000223745 (2
XKR8 (2.0)	CETP (1.9)
CBFB (1.8)	LRRC29 (1.7)
SLC7A6 (2.3)	ABCA1 (2.2)
SLC7A6 (2.3)	ABCA1 (2.2)
HNF4A (2.4)	ESRP2 (2.4)
APOA5 (2.3)	HNF4A (2.2)
OR5I1 (1.9)	PLTP (1.9)
LRP4 (2.1)	SFN (2.1)
CPNE2 (2.4)	TTC39B (2.4)
ENSG00000223745 (2	MYBPC3 (2.2)
APOB (2.0)	TRNP1 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
TRPS1 (1.9)	ABCB9 (1.9)
ARID1A (1.9)	BCAM (1.8)
ATG13 (2.3)	SLC7A6OS (2.2)
SPI1 (2.5)	RAB11B (2.5)
SNX10 (2.3)	XKR8 (2.1)
ENSG00000255507 (2	NPEPPS (2.2)
LILRA3 (2.2)	TTC39B (2.2)
LRP4 (2.9)	TRPS1 (2.3)
TGM5 (2.0)	C1QTNF4 (1.9)
XKR8 (2.0)	PLTP (2.0)
LILRA3 (1.9)	CLPTM1 (1.9)
ENSG00000226645 (2	C7orf50 (2.3)
ENSG00000229043 (2	TMEM208 (2.2)
SLC22A1 (2.1)	ST3GAL4 (2.0)
MBD1 (2.1)	ZFAND2A (2.1)
TECTB (2.2)	SNX10 (2.2)
GRB7 (3.0)	DOCK6 (2.5)
SIDT2 (2.2)	CYP26A1 (1.9)
NFATC3 (2.7)	CTDSPL2 (2.6)

GFOD2 (2.1)	MAFF (1.9)
HSF4 (2.5)	UVRAG (2.4)
RAB11B (2.1)	KIAA0754 (2.0)
ENSG00000229043 (2	CSGALNACT1 (2.0)
CENPT (2.4)	MPP3 (2.4)
CENPT (2.4)	MPP3 (2.4)
CENPT (2.4)	MPP3 (2.4)
CPNE2 (2.1)	ARID1A (1.9)
THAP11 (3.0)	RANBP10 (2.9)
PLG (2.7)	MBD1 (2.6)
MMAB (1.9)	RBM5 (1.9)
HERPUD1 (1.9)	ARID1A (1.9)
PCSK7 (2.3)	PXK (2.3)
UBE2L3 (2.7)	PCIF1 (2.5)
PTPRJ (2.3)	CD300LG (2.2)
REEP3 (1.9)	RAB11B (1.8)
DGAT2 (2.5)	MVK (2.3)
ENSG00000181123 (1	ZNF614 (1.8)
CYP26A1 (1.7)	PPP1R1B (1.7)
PXK (2.1)	SIK3 (2.0)
CYP2W1 (2.0)	CMIP (1.9)
ERBB2 (2.4)	HDAC5 (2.3)
FBXL20 (1.8)	ST3GAL4 (1.7)
EIF3J (2.7)	NCOA5 (2.5)
GFOD2 (2.0)	GLUL (1.9)
GPAM (2.1)	PYY (2.1)
GPAM (2.1)	PYY (2.1)
TRNP1 (2.2)	PVRL2 (2.2)
NUDT21 (3.0)	MED1 (2.9)
PCIF1 (3.0)	ATG13 (2.8)
ANGPTL4 (2.3)	PLTP (2.3)
ZNF335 (2.8)	ARFGAP2 (2.7)
ZNF335 (2.8)	ARFGAP2 (2.7)
KANK2 (2.2)	C12orf65 (2.1)
TNKS (2.7)	PSKH1 (2.5)
FADS1 (2.0)	CETP (1.9)
ZNF615 (2.5)	PCSK7 (2.4)
ABCA8 (2.6)	APOE (2.6)
PIGV (2.5)	TMEM175 (2.4)
TNKS (2.6)	INTS10 (2.3)
KLHL8 (2.1)	INTS10 (2.0)
C11orf9 (2.1)	KIAA0895L (2.1)
ZFAND2A (2.5)	SNX13 (2.4)
APOA4 (2.1)	AMFR (2.0)
OR4A21P (2.4)	SMPD3 (2.2)
CCDC11 (1.9)	ANGPTL4 (1.9)
MACF1 (2.6)	DDX28 (2.4)
SBNO1 (2.6)	TUBGCP4 (2.6)
ACP2 (2.5)	CLPTM1 (2.5)
C17orf57 (2.3)	MYO5B (2.3)

PDE3A (1.9)	BCL7B (1.8)
TRPS1 (2.3)	ESRP2 (2.1)
GALNT2 (2.5)	LCMT2 (2.5)
TMEM62 (1.8)	MAFF (1.7)
GRB7 (2.8)	LSM12 (2.8)
DGAT2 (2.0)	EPB42 (1.9)
DGAT2 (2.0)	EPB42 (1.9)
OR5L2 (2.2)	RLTPR (2.1)
RAB11B (2.5)	CCNDBP1 (2.4)
ESRP2 (2.3)	GALNT2 (2.2)
ABHD6 (1.7)	KLHL8 (1.7)
NUDT21 (2.8)	RANBP10 (2.7)
RNF214 (2.2)	COQ9 (2.0)
BUD13 (2.4)	CBFB (2.3)
MACF1 (2.4)	CELSR2 (2.3)
SPG11 (2.1)	GPER (2.0)
MTCH2 (2.7)	SEC14L4 (2.6)
ENSG00000229043 (2	TMEM101 (1.9)
MADD (2.0)	LILRA3 (2.0)
SCARB1 (2.0)	CX3CL1 (1.9)
BAZ1B (2.7)	CLPTM1 (2.7)
KPNB1 (2.4)	MACF1 (2.3)
BBS2 (2.9)	ACD (2.9)
MLXIPL (2.2)	SETD8 (2.2)
MT1H (2.1)	TAGLN (2.1)
PCSK7 (2.7)	C18orf32 (2.6)
PCSK7 (2.7)	C18orf32 (2.6)
MT1H (2.4)	ENSG00000229043 (2
DGAT2 (2.1)	GLUL (2.0)
DGAT2 (2.1)	GLUL (2.0)
CD300LG (2.3)	SPI1 (2.1)
ZNF615 (2.1)	CITED2 (2.0)
ZNF615 (2.1)	CITED2 (2.0)
TRIB1 (1.8)	NFATC3 (1.7)
GPIHBP1 (2.2)	CETP (2.2)
ENSG00000179523 (2	PLEKHG4 (2.5)
TGM5 (2.1)	RBPJ (2.0)
HARBI1 (2.5)	ZNF408 (2.5)
SLC7A6 (2.7)	GALNT2 (2.7)
PPIP5K1 (2.0)	CD40 (2.0)
OR4A21P (1.6)	LILRA3 (1.6)
RBM5 (2.3)	CCNDBP1 (2.2)
ABCA1 (2.1)	PTPRJ (1.9)
PLA2G15 (2.1)	RBPJ (2.0)
NUP93 (3.0)	PRMT7 (2.9)
MPP2 (2.2)	TBKBP1 (2.1)
C19orf80 (1.9)	PAFAH1B2 (1.9)
MYBPC3 (2.5)	LCAT (2.4)
PGS1 (2.5)	CIAPIN1 (2.4)
VEGFA (2.4)	ENSG00000226645 (2

DPEP3 (2.0)	BMP8A (2.0)
RSPO3 (2.1)	LPL (2.0)
APOC4 (2.3)	LPA (2.2)
DGKG (2.1)	HERPUD1 (2.1)
KIAA0895L (2.1)	PPIP5K1 (2.0)
SPI1 (2.2)	ARID1A (2.1)
MAFF (2.1)	MED1 (2.1)
AGBL2 (2.4)	FBXL20 (2.4)
ENSG00000226334 (2	FHOD1 (2.1)
ENSG00000226334 (2	FHOD1 (2.1)
PITPNM2 (2.0)	ETV5 (2.0)
KCTD6 (2.0)	MYO1H (2.0)
ACAA2 (2.0)	RBM5 (1.9)
CCDC116 (2.6)	PLTP (2.3)
CSGALNACT1 (1.8)	ARID1A (1.8)
PLTP (2.0)	PIGV (2.0)
CD36 (2.2)	UBR1 (2.1)
NFATC3 (3.9)	DDX28 (3.5)
KPNB1 (2.8)	UBE2L3 (2.8)
DCPS (1.9)	CPS1 (1.9)
PLA2G15 (2.3)	APOC1 (2.2)
CDK12 (2.7)	BAZ1B (2.7)
HERPUD1 (2.4)	BCL3 (2.3)
G6PC3 (2.3)	SIDT2 (2.3)
TAGLN (2.2)	ANGPTL4 (1.9)
LSM12 (2.6)	BAZ1B (2.5)
MTCH2 (2.3)	HARBI1 (2.3)
MTCH2 (2.3)	HARBI1 (2.3)
HARBI1 (2.5)	DDX28 (2.5)
PGS1 (1.9)	DOK4 (1.7)
ETV5 (2.1)	NEUROD2 (2.0)
REEP3 (1.9)	MAP1A (1.8)
GPER (2.0)	MYO1H (1.9)
FHOD1 (2.4)	PTPRJ (2.3)
FEN1 (2.7)	LILRB2 (2.5)
DEPDC1 (2.2)	PSMC3 (2.2)
KLHL8 (2.6)	EDC4 (2.5)
APOA1 (1.9)	UBE3B (1.9)
SNX10 (1.8)	ADAL (1.7)
CD40 (2.2)	RSPRY1 (2.1)
LILRA3 (2.0)	ENSG00000181296 (2
YDJC (2.4)	SBNO1 (2.4)
RBPJ (2.6)	DGAT2 (2.1)
SIK3 (2.1)	CELSR2 (2.0)
OR5I1 (2.2)	ENSG00000254235 (2
FHOD1 (2.1)	NFATC3 (2.0)
ZNF335 (2.2)	PRMT7 (2.1)
LPL (2.2)	CIAPIN1 (2.2)
DUS2L (2.2)	APOE (2.1)
ATG13 (1.9)	LRRC29 (1.9)

CLPTM1 (2.4)	MYBPC3 (2.3)
PLA2G15 (2.1)	LIPC (2.1)
PNMT (2.0)	SLC12A3 (1.9)
GPN2 (2.2)	C7orf50 (2.2)
PARD6A (2.2)	MMAB (2.2)
PDIA3 (2.6)	UBE2L3 (2.5)
SIDT2 (2.3)	PSKH1 (2.3)
CD36 (2.4)	NDUFS3 (2.3)
TAGLN (1.9)	SMPD3 (1.9)
BCL3 (2.7)	SNX10 (2.6)
FPR3 (1.9)	OR4A21P (1.9)
APOA4 (1.7)	APOC3 (1.7)
DCPS (2.7)	INTS10 (2.7)
RBM6 (2.1)	ZNF613 (2.0)
GPAM (2.5)	BUD13 (2.3)
FRMD5 (2.2)	CYP2W1 (2.2)
NFATC3 (2.2)	TRIB1 (2.1)
CD300LG (2.2)	CMIP (2.2)
DDX28 (2.4)	NEUROD2 (2.3)
FRMD5 (1.9)	ERBB2 (1.8)
FRMD5 (2.4)	ERBB2 (2.4)
DOCK6 (2.3)	CD300LG (2.3)
CD40 (2.3)	CD300LG (2.2)
KANK2 (2.0)	DOK4 (2.0)
TOMM40 (2.5)	CIAPIN1 (2.4)
F2 (2.0)	ZNF664 (2.0)
VEGFA (1.5)	AFF1 (1.4)
RELB (2.4)	CX3CL1 (2.3)
TBL2 (2.3)	TMED5 (2.3)
ABCA8 (2.1)	PYY (2.0)
MTMR3 (2.0)	RSPO3 (2.0)
PACSIN3 (2.0)	SLC22A1 (2.0)
TMEM62 (2.0)	MLXIPL (2.0)
RLTPR (2.3)	CCL17 (2.2)
ZFAND2A (2.1)	MT1H (2.1)
BAZ1B (2.1)	MFAP1 (2.1)
CYP2W1 (2.1)	ENSG00000181123 (2
ENSG00000255507 (2	AMFR (2.0)
GPN2 (2.2)	G6PC3 (2.1)
LCAT (2.2)	HNF4A (2.1)
AFF1 (2.1)	MT1G (2.1)
APOA1 (2.2)	MT1G (2.2)
TMEM101 (2.0)	PSMC3 (2.0)
SPI1 (2.2)	CETP (2.2)
SLC7A6 (2.2)	SPG11 (2.2)
ETV5 (2.6)	PSKH1 (2.4)
ENSG00000182109 (2	TMEM175 (2.3)
CDK12 (1.8)	MAFF (1.6)
CBFB (2.1)	ZNF664 (2.1)
IGF2R (2.0)	PDIA3 (1.6)

MACF1 (1.9)	ARFGAP2 (1.8)
CD40 (2.3)	MBD1 (2.3)
NCOA5 (2.1)	AMFR (2.0)
VEGFA (2.3)	NR0B2 (2.3)
NCOA5 (2.4)	KCTD10 (2.4)
CCL17 (2.0)	SBNO1 (2.0)
NUTF2 (2.0)	NFATC3 (1.9)
SDF2L1 (2.5)	VEGFA (2.3)
ABCA8 (2.8)	PLG (2.7)
TMEM208 (2.3)	SETD8 (2.3)
KIAA0754 (2.2)	SIDT2 (2.0)
SLC9A5 (2.0)	PLEKHG4 (1.9)
OR4A1P (2.0)	AGBL2 (1.9)
C16orf70 (2.5)	EIF3J (2.5)
TGM5 (2.4)	ERBB2 (2.3)
PVRL2 (2.0)	FZD9 (1.9)
DGAT2 (2.2)	TMED5 (2.0)
G6PC3 (2.6)	TRADD (2.6)
LILRB2 (2.0)	ETV5 (2.0)
GRB7 (2.2)	C11orf49 (2.2)
TOMM40 (2.0)	RBM6 (1.9)
ENSG00000182109 (2	CATSPER2 (2.2)
LIPG (2.4)	PGS1 (2.3)
LIPG (2.4)	PGS1 (2.3)
TMEM62 (2.1)	UVRAG (2.0)
ENSG00000226334 (2	SETD8 (2.3)
AFF1 (2.6)	RELB (2.5)
PCIF1 (2.1)	PSMC3 (2.1)
RELB (1.7)	ABCB9 (1.7)
IGF2R (2.0)	LRP4 (2.0)
SLC9A5 (2.1)	DPEP3 (2.1)
TGM7 (2.4)	KCTD6 (2.1)
NUTF2 (1.9)	ZNF614 (1.9)
PVRL2 (2.5)	DNAH10 (2.2)
GPIHBP1 (2.0)	OR4A21P (2.0)
CD36 (1.9)	TCAP (1.9)
CCDC18 (2.5)	MT1H (2.4)
ENSG00000229043 (1	MT1H (1.9)
SPG11 (1.9)	ETV5 (1.8)
RBPJ (2.4)	PCIF1 (2.4)
LIPC (2.1)	CETP (2.0)
PLEKHG4 (2.2)	DGKG (2.1)
ARHGAP1 (1.8)	OGFOD1 (1.8)
KIAA0895L (2.1)	C19orf80 (2.1)
ESRP2 (2.6)	APOA5 (2.4)
GPER (2.2)	PPP1R1B (1.9)
KCTD6 (1.9)	DNAH10 (1.9)
ENSG00000229043 (2	FHOD1 (2.0)
SEC14L4 (2.8)	NAGS (2.8)
ZNF335 (2.5)	CCNDBP1 (2.5)

ZNF335 (2.5)	CCNDBP1 (2.5)
ZNF335 (2.5)	CCNDBP1 (2.5)
JMJD1C (2.5)	CCL17 (2.2)
MACF1 (2.3)	PDE3A (2.3)
APOC1 (2.9)	PLG (2.8)
RBPJ (2.4)	MYO5B (2.1)
ENSG00000236267 (2	GLUL (2.0)
C16orf70 (2.9)	RANBP10 (2.7)
GPIHBP1 (2.4)	MT1X (2.4)
PPP1R1B (1.9)	CMIP (1.8)
OR5J2 (1.9)	SLC7A6OS (1.7)
RAB11B (2.3)	OASL (2.3)
KPNB1 (2.1)	HSF4 (2.1)
MT1M (2.4)	ENSG00000179523 (2
STRC (1.9)	CCDC116 (1.8)
MACF1 (2.5)	DDX28 (2.5)
MT1X (2.2)	MT1H (2.2)
DUSP3 (2.7)	HDAC5 (2.6)
ENSG00000181123 (2	LILRB2 (2.0)
TBL2 (2.0)	MT1G (2.0)
PLA2G15 (2.0)	DPEP2 (1.9)
ZNF615 (2.0)	ABCA8 (2.0)
VEGFA (2.2)	RNF214 (2.1)
NUDT21 (3.0)	RBM6 (3.0)
PYY (2.1)	PPIP5K1 (2.1)
MT1E (2.4)	KLF14 (2.3)
PYY (1.8)	RBPJ (1.8)
DOCK6 (2.0)	PDE3A (2.0)
ACAA2 (2.7)	APOA5 (2.5)
PDE3A (2.0)	CD40 (2.0)
C1orf172 (2.2)	STRC (2.1)
SOST (2.1)	RSPO3 (2.0)
HNF1A (2.1)	REEP3 (1.8)
ENSG00000236267 (2	CETP (2.0)
MPP2 (2.3)	CITED2 (1.9)
LRRC29 (2.1)	CSGALNACT1 (2.0)
MT1H (2.0)	DUSP3 (1.9)
HARBI1 (2.5)	ZNF408 (2.4)
C1QTNF4 (2.1)	TAGLN (2.1)
TGM5 (2.3)	OR5L2 (2.0)
C12orf65 (2.1)	TNKS (2.0)
ENSG00000254235 (2	ENSG00000181123 (2
CELSR2 (2.1)	ENSG00000247445 (2
ZNF408 (2.4)	PACSIN3 (2.2)
BCAM (2.1)	PPIP5K1 (2.0)
POLR2C (2.8)	KBTBD4 (2.8)
PLTP (2.2)	DOK4 (2.1)
BAZ1B (2.3)	SBNO1 (2.2)
GPN2 (1.8)	ARFGAP2 (1.7)
BUD13 (2.1)	CKAP5 (2.1)

CCDC92 (1.8)	DEPDC1 (1.7)
TAGLN (2.1)	ANGPTL4 (1.9)
MTCH2 (2.0)	COBLL1 (1.9)
PACSIN3 (2.3)	UBE3B (2.3)
KLF14 (1.9)	PPIP5K1 (1.8)
C17orf57 (2.4)	C1orf172 (2.3)
C17orf57 (2.4)	C1orf172 (2.3)
ZNF664 (2.2)	MT1H (2.1)
C11orf9 (2.2)	CLPTM1 (2.1)
CCDC116 (2.2)	LPL (2.2)
ARID1A (2.1)	SMPD3 (2.1)
SETD8 (3.2)	CKAP5 (2.9)
RELB (2.3)	HARBI1 (2.3)
SLC7A6OS (2.9)	NRBF2 (2.6)
PIGV (2.6)	UVRAG (2.3)
TAGLN (1.8)	FZD9 (1.8)
PDIA3 (2.3)	SNX13 (2.2)
ENSG00000254235 (2	DYM (2.2)
CCDC92 (2.2)	HDAC5 (2.2)
NPEPPS (2.1)	CBFB (2.0)
CYP26A1 (2.2)	APOE (2.1)
SIDT2 (2.1)	GPIHBP1 (2.0)
MIEN1 (2.7)	LILRA3 (2.6)
DOCK6 (2.6)	FRMD5 (2.5)
MT1H (2.0)	CPNE2 (2.0)
SNX13 (2.6)	HDAC5 (2.4)
CKAP5 (2.8)	LCMT2 (2.7)
NRBF2 (1.8)	OR4A21P (1.7)
NDUFS3 (2.5)	C16orf86 (2.5)
ZNF259 (2.4)	CIAPIN1 (2.2)
ZDHHC18 (2.6)	LILRB2 (2.5)
LIPC (2.9)	CPS1 (2.6)
NPEPPS (2.3)	TCAP (2.2)
ABCA8 (1.9)	CCL17 (1.8)
OGFOD1 (2.6)	CLPTM1 (2.5)
CMIP (2.5)	PGAP3 (2.5)
SLC12A4 (2.0)	ENSG00000229043 (1
ENSG00000247867 (2	CSGALNACT1 (2.4)
LRP4 (2.1)	ZNF335 (2.1)
ANGPTL4 (2.4)	MPP2 (2.3)
PLA2G15 (2.2)	CELSR2 (2.1)
SPI1 (2.2)	PTPRZ1 (2.2)
NUP160 (2.9)	FAM192A (2.8)
NDUFS3 (2.1)	DUS2L (1.9)
RBPJ (2.2)	ZNF613 (2.0)
CLPTM1 (2.2)	FHOD1 (2.1)
LIPG (2.9)	TECTB (2.5)
SOST (2.2)	KANK2 (2.1)
MBD1 (2.0)	CATSPER2 (2.0)
HNF1A (2.1)	ENSG00000255507 (2

CBFB (2.2)	CIAPIN1 (2.2)
ACP2 (2.4)	TECTB (2.2)
CD40 (1.8)	FBXL20 (1.8)
PPP1R1B (2.0)	MT1M (1.9)
ARFGAP2 (2.3)	CCDC92 (2.3)
PAFAH1B2 (2.1)	LRRC29 (2.0)
ST3GAL4 (2.8)	FRMD5 (2.6)
MYO1H (2.2)	HCAR1 (2.2)
AMFR (2.0)	APOC3 (1.9)
GPAM (2.6)	DGAT2 (2.3)
CBFB (2.0)	CTDSPL2 (2.0)
CD40 (2.1)	AMFR (2.1)
SPRYD5 (1.9)	CBFB (1.8)
PLEKHG4 (2.3)	MLXIPL (2.2)
TTC39B (2.2)	CTDSPL2 (2.2)
OGFOD1 (2.7)	NUP93 (2.5)
NAGS (2.8)	ELMO3 (2.4)
PCIF1 (3.0)	NCOA5 (2.9)
NUP93 (2.7)	MED1 (2.6)
COQ9 (2.3)	C16orf48 (2.2)
G6PC3 (2.7)	ENSG00000181123 (2
SIDT2 (2.6)	CD40 (2.5)
CXXC1 (2.8)	PSMC3 (2.8)
ABCA1 (2.2)	EYA3 (2.1)
CCDC116 (2.2)	PSMB10 (2.2)
BAZ1B (2.0)	CTDSPL2 (2.0)
BCAM (1.9)	PTPRZ1 (1.9)
PLA2G6 (2.2)	TMEM62 (2.2)
GRB7 (2.3)	CELSR2 (2.0)
PLA2G6 (1.8)	KANK2 (1.7)
CKAP5 (2.2)	NUP93 (2.1)
C18orf32 (2.0)	ATG13 (1.9)
LIPC (3.0)	CX3CL1 (2.9)
CITED2 (2.2)	ARID1A (1.9)
PLTP (2.1)	ABCA1 (2.1)
MFAP1 (2.9)	ACD (2.9)
NUP93 (2.5)	CTDSPL2 (2.5)
LILRB2 (2.0)	SLC7A6OS (2.0)
ARFGAP2 (2.3)	BUD13 (2.2)
TMEM175 (2.2)	DOCK6 (2.0)
CELSR2 (1.8)	XKR8 (1.7)
ZSCAN29 (2.4)	HDAC5 (2.3)
MTMR3 (2.5)	MBD1 (2.4)
OR5L2 (1.6)	TRPS1 (1.6)
HNF4A (3.0)	PTPRZ1 (2.9)
MMAB (1.9)	CSGALNACT1 (1.6)
LILRA3 (1.8)	CYP2W1 (1.7)
HARBI1 (2.4)	MACF1 (2.2)
AGBL2 (2.0)	ENSG00000181123 (1
MTMR3 (2.1)	MT1F (2.0)

VEGFA (2.3)	PSMC3 (2.3)
MT1F (2.6)	MT1M (2.5)
RLTPR (2.3)	SPI1 (2.3)
PGAP3 (2.0)	C12orf65 (2.0)
FPR3 (2.7)	PNMT (2.1)
TECTB (2.2)	IGF2R (2.2)
KLHL8 (1.8)	MT1H (1.8)
ENSG00000226334 (2	RSPO3 (2.3)
NUP93 (2.8)	WDR76 (2.6)
HNF4A (2.2)	LPL (2.2)
CLPTM1 (1.8)	MBD1 (1.8)
PLG (2.3)	CES4A (2.3)
KLF14 (1.8)	NAGS (1.7)
CPS1 (2.1)	KCTD6 (1.8)
TRADD (1.9)	OR5I1 (1.8)
PPP1R1B (2.5)	FRMD5 (2.5)
BAZ1B (2.1)	CDK12 (2.0)
BAZ1B (2.1)	CDK12 (2.0)
ABCA1 (2.3)	TECTB (2.3)
PPP1R1B (2.0)	SLC12A4 (2.0)
FAM192A (2.2)	EDC4 (2.2)
NCOA5 (2.5)	ZNF408 (2.5)
ENSG00000247445 (2	ENSG00000181123 (2
MBD1 (2.2)	CD300LG (2.1)
C16orf48 (2.5)	DDB2 (2.4)
MVK (2.3)	FRMD5 (2.2)
FEN1 (2.3)	CKAP5 (2.3)
NUP160 (2.5)	UBR1 (2.5)
PCSK7 (2.1)	ABCA8 (2.0)
TBKBP1 (2.1)	PPP1R1B (1.9)
MIEN1 (2.2)	COX19 (2.2)
DDX28 (2.5)	NCOA5 (2.4)
MYO5B (2.2)	PPIP5K1 (2.2)
PLA2G6 (1.9)	BMP8A (1.8)
C16orf70 (1.9)	SLC12A3 (1.7)
NUP93 (3.0)	CDK12 (2.8)
APOA1 (1.9)	ENSG00000236267 (1
ENSG00000181123 (2	SMPD3 (2.1)
TSNAXIP1 (2.5)	SCARB1 (2.4)
C11orf9 (2.2)	GRB7 (2.2)
UBR1 (2.7)	BUD13 (2.6)
MFAP1 (2.6)	NUP160 (2.6)
SLC39A13 (2.5)	TMEM101 (2.5)
NAGS (2.1)	APOC3 (2.1)
KLHL8 (1.9)	RBPJ (1.7)
EXOC3L1 (2.4)	TBKBP1 (2.2)
ETV5 (2.1)	TP53BP1 (2.0)
SCARB1 (2.3)	ANGPTL4 (2.2)
UVRAG (2.1)	MT1M (2.0)
DYM (2.2)	SLC39A13 (2.2)

BAZ1B (2.6)	DDX28 (2.5)
FADS1 (1.9)	RNF214 (1.9)
SLC7A6OS (3.0)	PRMT7 (3.0)
ANGPTL4 (1.9)	ENSG00000181296 (1
HSF4 (2.2)	MT1E (2.1)
CXXC1 (2.8)	ZNF350 (2.7)
PNMT (1.9)	FZD9 (1.9)
SOST (2.2)	C1orf172 (2.2)
JMJD1C (2.2)	MTMR3 (2.2)
ERBB2 (2.3)	ST3GAL4 (2.2)
LPA (2.1)	TMEM175 (2.1)
C18orf32 (2.1)	SPG11 (2.1)
C18orf32 (2.1)	SPG11 (2.1)
PCSK7 (1.8)	CETP (1.8)
ENSG00000226334 (2	BCL3 (2.3)
SLC39A13 (2.6)	KANK2 (2.5)
COBLL1 (2.6)	CELSR2 (2.5)
UBE2L3 (2.4)	CELF1 (2.2)
PVRL2 (1.9)	TTBK2 (1.8)
KBTBD4 (2.5)	C11orf49 (2.4)
ATG13 (2.6)	TBL2 (2.5)
KLF14 (2.0)	DOK4 (1.9)
RSPO3 (1.9)	RAB11B (1.8)
CETP (2.1)	ENSG00000236267 (2
MTCH2 (2.1)	SBNO1 (2.1)
DOK4 (2.1)	PVRL2 (2.1)
ARFGAP2 (2.5)	DR1 (2.4)
SLC7A6 (2.3)	NDUFS3 (2.1)
ENSG00000229043 (2	LRRC29 (2.2)
G6PC3 (2.0)	CATSPER2 (1.8)
EYA3 (2.3)	FBXL20 (2.3)
NUTF2 (2.3)	ZNF408 (2.2)
PLTP (2.1)	PLEKHG4 (2.1)
TBKBP1 (2.1)	HNF4A (2.1)
ST3GAL4 (1.9)	PCIF1 (1.8)
C12orf43 (2.4)	SLC7A6OS (2.4)
MT1G (2.0)	VEGFA (2.0)
RSPRY1 (2.7)	LILRA3 (2.5)
KANK2 (2.3)	DOCK6 (2.3)
TGM5 (2.1)	TMED5 (2.0)
ERBB2 (2.3)	LCAT (2.2)
WDR76 (2.4)	CCDC18 (2.3)
PTPRJ (2.2)	TRADD (2.1)
PITPNM2 (2.0)	HERPUD1 (2.0)
PTPRJ (2.0)	CSGALNACT1 (1.8)
LILRA3 (2.4)	ZNF350 (2.4)
MFAP1 (2.2)	MYO1H (2.2)
LCMT2 (2.7)	PIGV (2.5)
BMP8A (2.3)	UVRAG (2.3)
MACF1 (1.8)	SLC9A5 (1.8)

SLC7A6OS (2.6)	ENSG00000181296 (2
PDE3A (2.3)	GPIHBP1 (2.2)
SIK3 (2.2)	ARFGAP2 (2.2)
LILRB2 (1.8)	PSMB10 (1.8)
KPNB1 (2.8)	NUDT21 (2.8)
ZNF408 (2.6)	CLPTM1 (2.4)
ZNF408 (2.6)	CLPTM1 (2.4)
TMEM62 (1.7)	PAFAH1B2 (1.7)
RELB (2.0)	ARFGAP2 (2.0)
THAP11 (3.0)	NUP93 (2.8)
SLC12A4 (1.9)	PTPRJ (1.8)
TOMM40 (2.2)	CYP2W1 (2.1)
ACAA2 (2.4)	GALNT2 (2.4)
ABCB9 (2.0)	TRPS1 (1.8)
ENSG00000223745 (2	OR4A1P (2.0)
MAP1A (2.2)	PDIA3 (2.2)
TMEM175 (2.3)	INTS10 (2.2)
ENSG00000226645 (2	PXK (1.9)
RSPO3 (2.0)	FRMD5 (1.9)
SLC7A6OS (3.5)	SPG11 (3.4)
CLPTM1 (1.8)	ZFAND2A (1.8)
NCOA5 (2.3)	KPNB1 (2.3)
XKR8 (2.5)	ZNF350 (2.4)
NCOA5 (2.8)	PCIF1 (2.7)
ENSG00000226334 (1	CD36 (1.8)
TP53BP1 (2.0)	SLC12A4 (1.9)
C17orf57 (2.0)	KCTD6 (2.0)
SOST (2.2)	SMPD3 (2.2)
CBFB (2.0)	CX3CL1 (2.0)
ZSCAN29 (2.3)	KCTD19 (2.2)
EDC4 (2.7)	KBTBD4 (2.7)
SLC12A4 (2.6)	TUBGCP4 (2.5)
NUP93 (2.4)	DYM (2.3)
FAM192A (3.1)	TMEM208 (2.7)
HARBI1 (2.5)	KPNB1 (2.4)
BMP8A (2.3)	SFN (2.2)
NUP160 (3.0)	ZNF408 (2.8)
MPP3 (2.3)	PLEKHG4 (2.2)
UBE2L3 (2.2)	DDX28 (2.2)
CCL17 (1.7)	CES4A (1.7)
PLG (2.1)	ABCB9 (2.1)
CYP26A1 (1.7)	RANBP10 (1.7)
REEP3 (2.4)	ENSG00000254235 (2
ENSG00000181123 (2	NR0B2 (1.9)
KIAA0754 (2.2)	OR5J2 (2.1)
TMEM175 (1.9)	C12orf65 (1.9)
ZNF335 (2.7)	FNBP4 (2.6)
ZNF335 (2.7)	FNBP4 (2.6)
TRADD (2.4)	BMP8A (2.0)
SNX10 (1.7)	MACF1 (1.5)

KANK2 (2.7)	TTBK2 (2.4)
NUP160 (2.6)	NUDT21 (2.4)
DDX28 (1.9)	C12orf43 (1.9)
BAZ1B (2.3)	NCOA5 (2.2)
NR0B2 (3.2)	CPS1 (3.1)
TMEM208 (2.3)	ARFGAP2 (2.3)
HARBI1 (2.8)	ARFGAP2 (2.5)
NPEPPS (2.2)	PLA2G15 (2.2)
CSGALNACT1 (2.3)	EXOC3L1 (2.1)
COBLL1 (2.4)	MYO1H (2.3)
SETD8 (2.2)	GLUL (2.1)
FRMD5 (2.5)	CMIP (2.4)
ELMO3 (2.1)	MACF1 (2.0)
OR5I1 (2.2)	ZNF350 (2.1)
TOMM40 (2.5)	PDIA3 (2.4)
CDK12 (2.0)	PPIP5K1 (2.0)
MT1M (2.1)	RSPO3 (2.1)
DOCK6 (2.1)	GNAO1 (2.1)
SEC14L4 (1.9)	KCTD10 (1.9)
CELSR2 (2.5)	FRMD5 (2.3)
RSPO3 (1.7)	PTPRJ (1.7)
APOC3 (2.3)	SLC39A13 (2.3)
RBPJ (2.1)	FADS2 (2.1)
EYA3 (2.2)	DPEP3 (2.1)
EYA3 (2.8)	FAM192A (2.7)
PGS1 (1.8)	B3GNT9 (1.8)
CES4A (1.8)	RELB (1.8)
CCDC92 (2.2)	CASC4 (2.2)
NUP93 (2.5)	JMJD1C (2.4)
FADS2 (1.7)	MT1E (1.7)
FPR3 (2.2)	RBPJ (2.0)
GRB7 (1.9)	PCIF1 (1.9)
HDAC5 (2.0)	TBKBP1 (1.9)
SLC12A4 (1.9)	PTPRJ (1.8)
MTMR3 (2.1)	DPEP2 (2.1)
SETD8 (2.2)	ARID1A (2.2)
MPP3 (1.8)	LIPG (1.7)
GPR146 (2.3)	LILRB2 (2.3)
MYO5B (2.7)	TRNP1 (2.6)
MMAB (2.4)	NR1H3 (2.3)
OR4A21P (2.0)	TECTB (1.9)
OR4A21P (2.0)	TECTB (1.9)
C7orf50 (2.4)	UBE2L3 (2.3)
GNAO1 (1.8)	CD36 (1.7)
TBKBP1 (1.8)	ETV5 (1.8)
PDIA3 (2.4)	SDF2L1 (2.3)
C11orf9 (1.9)	SMPD3 (1.9)
PITPNM2 (1.8)	PLA2G15 (1.8)
CITED2 (2.0)	APOC3 (1.9)
CATSPER2 (2.0)	CDK12 (1.9)

MT1E (1.9)	ENSG00000181123 (1
PGAP3 (2.9)	RSPRY1 (2.9)
CCL22 (2.2)	APOE (2.2)
MTMR3 (2.2)	UBE3B (2.2)
UVRAG (2.5)	TP53BP1 (2.4)
CENPT (2.0)	UBE3B (2.0)
CATSPER2 (2.1)	CLPTM1 (2.1)
HSF4 (2.2)	MT1H (2.1)
TGM5 (2.1)	TBKBP1 (2.0)
THAP11 (2.2)	DOK4 (2.0)
KCTD6 (2.0)	ZNF350 (1.9)
LIPC (1.8)	ZNF335 (1.8)
ZNF335 (1.9)	CELSR2 (1.9)
ARID1A (1.8)	ENSG00000226334 (1
FHOD1 (2.3)	LPL (2.3)
FHOD1 (2.3)	LPL (2.3)
ANGPTL4 (2.0)	SMPD3 (1.9)
CD40 (1.9)	UBR1 (1.9)
ENSG00000236267 (1	OR4A1P (1.8)
LRP4 (2.3)	HERPUD1 (2.3)
LRP4 (2.3)	HERPUD1 (2.3)
YDJC (2.3)	THAP11 (2.3)
C11orf9 (2.2)	ZNF615 (2.2)
TRNP1 (2.1)	RLTPR (2.0)
ZDHHC18 (2.8)	PIGV (2.8)
ZDHHC18 (2.8)	PIGV (2.8)
FADS2 (2.0)	NAGS (1.9)
KLHL8 (2.5)	DYM (2.4)
TRADD (1.8)	ENSG00000247445 (1
DDX28 (2.7)	RANBP10 (2.6)
AGBL2 (2.2)	GLUL (2.2)
MYO5B (2.2)	DOCK6 (2.2)
LRP4 (1.8)	PIGV (1.8)
UVRAG (2.7)	COBLL1 (2.2)
PVRL2 (2.1)	LRP4 (2.1)
APOA4 (3.2)	ABCA8 (3.0)
PLA2G6 (2.3)	B3GNT9 (2.2)
FEN1 (2.3)	WDR76 (2.2)
PAFAH1B2 (2.2)	C18orf32 (2.2)
GPR146 (2.1)	RSPRY1 (2.1)
DR1 (2.7)	RBM6 (2.7)
MLXIPL (2.2)	TRPS1 (2.2)
ESRP2 (2.4)	TMEM208 (2.2)
ENSG00000256746 (2	TMED5 (2.6)
CLPTM1 (2.5)	MPP2 (2.4)
PCIF1 (2.1)	SETD8 (2.0)
BCL3 (2.6)	CATSPER2 (2.5)
ERBB2 (2.2)	CMIP (2.1)
ACD (2.5)	ENSG00000223745 (2
ACD (2.5)	ENSG00000223745 (2

KLHL8 (2.7)	PRMT7 (2.7)
RAB11B (2.0)	DYM (2.0)
CCL17 (3.0)	LILRA3 (3.0)
MTF2 (1.6)	RBM5 (1.6)
NPEPPS (2.2)	CXXC1 (2.1)
HERPUD1 (2.6)	PLA2G6 (2.5)
CX3CL1 (2.2)	AMBRA1 (2.0)
XKR8 (2.3)	ARHGAP1 (2.2)
CD300LG (2.4)	TUBGCP4 (2.4)
CTRL (2.1)	BCL7B (2.0)
PSMC3 (2.8)	UBE2L3 (2.2)
HERPUD1 (2.6)	NUDT21 (2.0)
TMEM175 (2.4)	TBL2 (2.2)
NRBF2 (2.1)	ENSG00000182109 (2
THAP11 (2.5)	RBPJ (2.4)
THAP11 (2.5)	RBPJ (2.4)
THAP11 (2.5)	RBPJ (2.4)
THAP11 (2.5)	RBPJ (2.4)
TBL2 (1.9)	GALNT2 (1.8)
PNMT (2.0)	GALNT2 (1.9)
BCL3 (2.3)	SETD8 (2.3)
PVRL2 (1.9)	NR1H3 (1.8)
TRNP1 (2.8)	PSKH1 (2.7)
FHOD1 (2.3)	SPG11 (2.2)
MACF1 (2.3)	HDAC5 (2.2)
MT1G (2.4)	CLPTM1 (2.4)
FADS2 (1.9)	MBD1 (1.9)
MT1X (3.2)	ACP2 (2.7)
KCTD10 (1.9)	PTPRJ (1.8)
DGAT2 (1.8)	GPIHBP1 (1.8)
TOMM40 (3.0)	TMEM208 (2.9)
OR4A21P (2.0)	GPIHBP1 (2.0)
PDHB (2.1)	MON1A (2.1)
TRADD (1.6)	LIPG (1.6)
CELF1 (2.8)	BAZ1B (2.8)
KCTD10 (1.7)	PYY (1.7)
C19orf80 (2.5)	BCAM (2.4)
PRMT7 (2.2)	NOL3 (2.1)
POLR2C (2.7)	ACD (2.7)
TTC39B (2.0)	ENSG00000236267 (2
ETV5 (2.2)	PACSIN3 (2.1)
SOST (2.3)	SETD8 (2.2)
TMEM208 (2.0)	CPNE2 (1.9)
CELF1 (2.0)	KLHL8 (1.9)
LILRA3 (2.2)	DUS2L (2.2)
TTBK2 (1.9)	ENSG00000226334 (1
BUD13 (2.9)	CBFB (2.9)
KCTD10 (2.1)	CITED2 (2.1)
ZNF408 (2.6)	C16orf48 (2.3)
C11orf9 (2.3)	RBPJ (2.1)

FAM192A (2.0)	SDF2L1 (2.0)
FEN1 (2.3)	SKA1 (2.3)
BUD13 (2.8)	NCOA5 (2.8)
CXXC1 (2.6)	NUP160 (2.6)
CPNE2 (2.0)	PAFAH1B2 (2.0)
PRMT7 (2.3)	GPN2 (2.3)
C17orf57 (1.9)	CPNE2 (1.7)
MLXIPL (1.9)	UBE3B (1.9)
HARBI1 (2.0)	C11orf9 (2.0)
HERPUD1 (3.0)	TMEM101 (2.9)
CD300LG (2.5)	ANGPTL4 (2.4)
ACD (3.5)	LRRC29 (3.3)
KPNB1 (2.6)	PRMT7 (2.5)
PTPMT1 (2.4)	GLUL (2.3)
IGF2R (2.1)	FPR3 (2.1)
MACF1 (1.9)	KCTD10 (1.8)
PLA2G15 (2.4)	PDIA3 (2.2)
MPHOSPH9 (1.9)	NPEPPS (1.9)
FADS1 (2.2)	REEP3 (2.0)
INTS10 (2.5)	EDC4 (2.3)
AGBL2 (2.5)	MIEN1 (2.4)
CCL22 (2.2)	AFF1 (2.1)
ENSG00000256746 (2	TMEM208 (2.1)
LIPC (2.3)	APOC4 (2.2)
RLTPR (2.4)	LILRB2 (2.4)
BACE1 (2.1)	SIDT2 (2.0)
ENSG00000223745 (2	PYY (2.3)
UBR1 (2.2)	WDR76 (2.1)
ARHGAP1 (2.0)	PDHB (1.9)
C11orf9 (2.1)	FADS2 (2.1)
PAFAH1B2 (2.3)	CDK12 (2.3)
MIEN1 (2.6)	KBTBD4 (2.6)
RELB (1.7)	BMP8A (1.6)
FRMD5 (2.4)	SIDT2 (2.4)
HNF1A (2.3)	MT1F (2.2)
FPR3 (1.9)	MBD1 (1.9)
KLF14 (2.2)	DGAT2 (2.2)
CBFB (3.0)	FBXL20 (3.0)
AMBRA1 (2.3)	MED1 (2.2)
CTRL (2.2)	SETD8 (2.2)
LILRB2 (1.9)	PPY (1.8)
LPA (2.3)	LIPG (2.3)
CMIP (3.0)	PXK (3.0)
RNF214 (2.3)	MT1F (2.3)
SPI1 (2.1)	OR4A21P (2.1)
OR4A21P (2.1)	TECTB (2.0)
ENSG00000182109 (2	LPA (2.1)
ZNF614 (2.5)	CD40 (2.5)
SLC12A4 (2.8)	KCTD10 (2.7)
PGS1 (2.1)	TMEM101 (2.0)

PGS1 (2.1)	TMEM101 (2.0)
HERPUD1 (2.5)	PACSIN3 (2.4)
GFOD2 (2.3)	PSMC3 (2.3)
KANK2 (2.3)	PTPRZ1 (2.3)
CD36 (2.4)	LIPC (2.3)
ENSG00000181296 (2	G6PC3 (2.2)
CMIP (2.5)	TRNP1 (2.5)
ZNF615 (1.8)	MON1A (1.7)
CTDSPL2 (2.2)	UVRAG (2.1)
KLF14 (2.3)	OR5I1 (2.2)
CCL17 (2.2)	PPP1R1B (2.1)
FPR3 (2.2)	GRB7 (2.1)
RLTPR (1.8)	CCL22 (1.7)
SCARB1 (1.9)	DGAT2 (1.9)
MTF2 (2.0)	ENSG00000247445 (1
CCL22 (2.1)	ZNF614 (2.0)
PVRL2 (2.0)	ENSG00000181123 (2
CPS1 (1.9)	FPR3 (1.8)
CD40 (2.3)	XKR8 (2.2)
TRNP1 (2.0)	C18orf32 (1.9)
TRNP1 (2.0)	C18orf32 (1.9)
TRNP1 (2.0)	C18orf32 (1.9)
CCNDBP1 (2.2)	LILRB2 (2.1)
MAP1A (2.1)	NR0B2 (2.1)
GPAM (2.4)	SPRYD5 (2.4)
ZNF408 (2.4)	HARBI1 (2.4)
DOCK6 (2.2)	PAFAH1B2 (2.2)
NUP160 (2.2)	ABCA1 (2.2)
FPR3 (2.5)	GALNT2 (2.4)
SOST (2.0)	ENSG00000229043 (2
NR0B2 (1.9)	MED1 (1.9)
TRIB1 (2.1)	CKAP5 (1.9)
KBTBD4 (2.4)	RSPRY1 (2.3)
MON1A (2.1)	CCDC11 (2.0)
APOA5 (2.9)	MMAB (2.8)
GFOD2 (2.1)	PXK (2.1)
ENSG00000226334 (2	TRPS1 (2.0)
GRB7 (2.7)	HERPUD1 (2.4)
C17orf105 (1.9)	NOL3 (1.9)
C17orf105 (1.9)	NOL3 (1.9)
CTRL (2.0)	NOL3 (2.0)
PNMT (2.5)	CDK12 (2.1)
OR5I1 (2.3)	NRBF2 (2.2)
C17orf57 (2.1)	ENSG00000254235 (2
ZNF335 (2.3)	LRP4 (2.3)
MYO1H (2.2)	EYA3 (2.1)
CSGALNACT1 (1.9)	ENSG00000255507 (1
SETD8 (2.1)	KBTBD4 (2.1)
ARFGAP2 (2.9)	NUDT21 (2.8)
HSF4 (1.8)	TBL2 (1.8)

BAZ1B (3.1)	NFATC3 (3.0)
JMJD1C (2.3)	MACF1 (2.2)
AMFR (2.5)	G6PC3 (2.5)
FPR3 (2.1)	BACE1 (2.0)
KCTD6 (2.3)	MTCH2 (2.2)
BCL7B (2.1)	TRADD (2.1)
NRBF2 (1.9)	CCL22 (1.9)
OASL (2.0)	FADS1 (1.9)
FNBP4 (2.7)	RBM6 (2.6)
GPAM (2.2)	CCL22 (2.2)
PTPRZ1 (1.9)	ABHD6 (1.9)
ZNF259 (2.3)	HDAC5 (2.3)
C18orf32 (2.4)	PPIP5K1 (2.3)
APOA4 (2.0)	APOC1 (1.9)
CMIP (2.3)	TTC39B (2.1)
PXK (2.3)	NRBF2 (2.2)
CDK12 (3.0)	ERBB2 (2.7)
FRMD5 (1.9)	LRP4 (1.9)
ABCB9 (2.0)	BCL7B (1.9)
CETP (1.9)	MTMR3 (1.9)
SETD8 (2.2)	MTCH2 (2.2)
KIAA0895L (1.9)	LPL (1.9)
TP53BP1 (2.6)	TMEM208 (2.3)
TP53BP1 (2.6)	TMEM208 (2.3)
TP53BP1 (2.6)	TMEM208 (2.3)
SBNO1 (2.1)	DPEP3 (2.1)
CITED2 (2.0)	CPNE2 (1.9)
DUSP3 (2.8)	MPP3 (2.3)
MT1M (1.9)	FBXL20 (1.9)
NFATC3 (2.1)	SETD8 (2.1)
FPR3 (2.0)	TAGLN (2.0)
UBE2L3 (2.7)	ACD (2.6)
CBFB (2.2)	KCTD6 (2.0)
RLTPR (2.1)	CD300LG (2.1)
TMEM208 (2.5)	PDIA3 (2.5)
RBM6 (2.1)	SNX13 (2.1)
VEGFA (1.8)	LSM12 (1.8)
DOK4 (2.7)	ENSG00000226334 (2
SMPD3 (1.9)	SLC39A13 (1.9)
NUTF2 (2.5)	ERBB2 (2.2)
MYO5B (2.3)	CELSR2 (2.2)
CCL22 (2.3)	CCL17 (2.2)
RAB11B (1.9)	TBKBP1 (1.8)
FHOD1 (2.1)	MADD (2.1)
EYA3 (2.5)	EDC4 (2.5)
PDHB (2.6)	CIAPIN1 (2.6)
TRADD (2.1)	TRIB1 (2.0)
TOMM40 (3.0)	POLR2C (2.9)
CCDC92 (2.0)	SLC9A5 (1.8)
ZFAND2A (2.3)	CPNE2 (2.3)

NPEPPS (2.1)	G6PC3 (2.1)
LRRC29 (2.3)	TECTB (2.3)
MACF1 (2.0)	NLRC5 (1.9)
ZNF335 (2.3)	SETD8 (2.3)
DPEP3 (2.0)	SIK3 (1.9)
PTPRZ1 (2.3)	CCDC92 (2.3)
TMEM208 (2.3)	G6PC3 (2.2)
KCTD10 (2.3)	ENSG00000229043 (2
HERPUD1 (2.1)	CSGALNACT1 (2.0)
PAFAH1B2 (2.6)	FHOD1 (2.5)
ENSG00000181123 (2	GPER (1.9)
CCNDBP1 (2.7)	ATG13 (2.6)
KCTD10 (2.2)	CCDC92 (2.1)
RLTPR (1.9)	CPS1 (1.8)
KBTBD4 (2.8)	PGAP3 (2.8)
CSGALNACT1 (2.0)	ENSG00000256746 (1
OGFOD1 (2.2)	EXOC3L1 (2.1)
ERBB2 (2.4)	PACSIN3 (2.4)
CMIP (2.2)	EPB42 (2.2)
MMAB (2.1)	ZNF613 (2.1)
TNKS (2.0)	ERBB2 (1.9)
TMEM175 (2.4)	LCMT2 (2.3)
CIAPIN1 (2.2)	MFAP1 (2.1)
MED1 (2.4)	LILRB2 (2.4)
PDE3A (2.0)	TOMM40 (2.0)
DPEP3 (1.9)	ZNF350 (1.9)
EDC4 (2.8)	POLR2C (2.7)
PSMB10 (2.6)	CIAPIN1 (2.4)
C16orf86 (2.4)	BCL3 (2.3)
PSMB10 (2.1)	PPIP5K1 (2.0)
KIAA0754 (1.6)	SMPD3 (1.6)
FADS2 (2.1)	PNMT (2.1)
ZDHHC18 (2.4)	MAFF (2.4)
ENSG00000255507 (2	CMIP (1.9)
RLTPR (2.8)	PSMB10 (2.3)
MTMR3 (2.3)	ENSG00000229043 (2
TMEM208 (2.1)	NUP160 (2.1)
PTPRZ1 (2.1)	ACP2 (2.1)
NLRC5 (1.8)	PTPRZ1 (1.8)
KCTD6 (2.4)	RBM5 (2.3)
TECTB (2.0)	SMPD3 (2.0)
AGBL2 (1.9)	OR5I1 (1.9)
FRMD5 (2.3)	KLF14 (2.2)
NR1H3 (2.1)	APOC4 (2.0)
GPAM (2.0)	PSKH1 (2.0)
SLC12A4 (1.9)	ST3GAL4 (1.9)
ZNF615 (1.9)	REEP3 (1.9)
GPAM (1.9)	PTPRZ1 (1.9)
LCAT (2.2)	APOA4 (2.0)
CYP26A1 (1.9)	ARID1A (1.9)

POLR2C (2.0)	PTPRZ1 (2.0)
TECTB (1.7)	CX3CL1 (1.7)
TOMM40 (2.3)	HARBI1 (2.2)
DPEP2 (2.0)	CD40 (1.9)
ERBB2 (2.0)	GRB7 (1.9)
NFATC3 (2.4)	CENPT (2.3)
NCOA5 (2.7)	ARID1A (2.7)
MBD1 (3.0)	MFAP1 (3.0)
C16orf48 (2.3)	NFATC3 (2.3)
TGM5 (1.8)	CASC4 (1.8)
BUD13 (2.7)	PCIF1 (2.5)
NFATC3 (1.9)	MTMR3 (1.9)
ARHGAP1 (2.2)	KCTD10 (2.2)
EYA3 (2.0)	ERBB2 (2.0)
RBM5 (2.9)	UBE2L3 (2.7)
LPA (2.1)	KCTD6 (2.0)
COX19 (2.0)	PSMB10 (1.9)
GPAM (1.9)	ENSG00000226645 (1
ANGPTL4 (2.3)	PPIP5K1 (2.3)
RSPO3 (2.1)	ABCB9 (2.0)
TBL2 (2.3)	SEC14L4 (2.1)
CLPTM1 (2.6)	IGF2R (2.5)
SETD8 (2.0)	PRMT7 (1.9)
STRC (2.0)	LRP4 (2.0)
GFOD2 (2.2)	NAGS (2.1)
DGAT2 (2.0)	ENSG00000226645 (2
PTPRJ (2.5)	SNX10 (2.4)
C17orf57 (2.2)	YDJC (2.1)
C17orf57 (2.2)	YDJC (2.1)
BCL7B (2.6)	ZNF259 (2.6)
LCAT (2.2)	COQ9 (2.2)
UBE2L3 (2.8)	CXXC1 (2.7)
ZDHHC18 (2.4)	CCL22 (2.0)
GNAO1 (2.5)	CX3CL1 (2.3)
LSM12 (2.4)	AFF1 (2.3)
MACF1 (2.5)	AMBRA1 (2.4)
RELB (1.9)	PTPRJ (1.9)
LILRA3 (2.1)	TRIB1 (2.0)
PDE3A (2.5)	IGF2R (2.4)
SCARB1 (2.2)	PLTP (2.0)
LRRC29 (2.3)	BBS2 (2.2)
HCAR1 (2.8)	CLPTM1 (2.6)
AFF1 (2.0)	DGKG (2.0)
SLC7A6 (1.8)	ABCA1 (1.8)
ZDHHC18 (2.1)	CD300LG (2.1)
MACF1 (2.3)	IGF2R (2.2)
ESRP2 (2.5)	CCDC92 (2.4)
GPAM (1.9)	OR5J2 (1.9)
TTC39B (2.8)	CES4A (2.7)
PRMT7 (2.6)	NUP93 (2.6)

CBFB (2.1)	RAB11B (2.1)
ELMO3 (2.0)	RLTPR (2.0)
PAFAH1B2 (2.2)	NRBF2 (2.2)
DUS2L (2.6)	FAM192A (2.5)
BCL3 (2.2)	TRPS1 (2.2)
NFATC3 (2.2)	SETD8 (2.2)
MED1 (2.9)	DDX28 (2.9)
GALNT2 (2.2)	ACP2 (2.2)
XKR8 (2.2)	PTPMT1 (2.2)
ACAA2 (1.8)	LILRA3 (1.8)
CETP (2.1)	TNKS (2.1)
REEP3 (2.4)	ERBB2 (2.4)
MT1M (2.5)	CD40 (2.4)
SPI1 (2.5)	DOCK6 (2.5)
FZD9 (2.3)	PNMT (2.3)
MACF1 (2.3)	IGF2R (2.2)
FBXL20 (2.9)	KBTBD4 (2.9)
ACD (2.7)	CXXC1 (2.7)
RAB11B (2.7)	NUP93 (2.6)
PCIF1 (2.8)	ENSG00000179523 (2
PTPRZ1 (1.9)	POLR2C (1.9)
CCDC116 (2.4)	MT1F (2.4)
XKR8 (2.3)	ACAA2 (2.1)
MAFF (2.3)	KANK2 (2.2)
PXK (2.0)	SNX10 (2.0)
ABHD6 (2.4)	ENSG00000181296 (2
UBE2L3 (2.8)	NUP93 (2.8)
UBE2L3 (2.8)	NUP93 (2.8)
UBE2L3 (2.8)	NUP93 (2.8)
C19orf80 (2.3)	MPP2 (2.1)
PCIF1 (2.4)	TAGLN (2.3)
ABCA1 (2.1)	RSPO3 (2.1)
NUDT21 (2.8)	GFOD2 (2.7)
LRP4 (2.0)	CELF1 (1.7)
NEUROD2 (2.3)	KIAA0895L (2.2)
ZNF259 (2.6)	BBS2 (2.5)
DOCK6 (2.2)	ENSG00000247867 (2
FBXL20 (2.0)	PVRL2 (1.8)
DDX28 (2.3)	ARFGAP2 (2.1)
REEP3 (1.7)	CYP26A1 (1.7)
NUTF2 (2.8)	NDUFS3 (2.7)
MTCH2 (2.1)	COQ9 (2.1)
HNF1A (2.5)	C19orf80 (2.4)
RBM5 (2.0)	SIDT2 (2.0)
LCAT (1.8)	DNAH10 (1.7)
SPI1 (2.0)	HCAR1 (1.8)
SETD8 (1.6)	GNAO1 (1.5)
PVRL2 (2.2)	XKR8 (2.1)
AMFR (2.0)	MT1F (2.0)
KANK2 (2.1)	ENSG00000181123 (2

SLC22A1 (1.9)	COQ9 (1.9)
ERBB2 (2.4)	FZD9 (2.3)
PPP1R1B (2.1)	ADAL (2.1)
EIF3J (2.9)	ARFGAP2 (2.9)
DUS2L (2.5)	LILRB2 (2.5)
CMIP (2.0)	RSPO3 (2.0)
MON1A (2.2)	POLR2C (2.2)
DR1 (2.5)	PSMC3 (2.5)
CSGALNACT1 (2.2)	ACAA2 (2.1)
ZNF615 (1.7)	MTMR3 (1.7)
CBFB (2.4)	UBE2L3 (2.3)
ABHD6 (2.2)	GLUL (2.0)
ABHD6 (2.2)	GLUL (2.0)
CYP26A1 (2.3)	NR1H3 (2.1)
GFOD2 (2.4)	DUSP3 (2.3)
DUS2L (2.2)	TMED5 (2.1)
PSKH1 (2.6)	TMEM175 (2.4)
MST1R (1.9)	MACF1 (1.9)
HSF4 (2.3)	CYP2W1 (2.2)
HSF4 (2.3)	CYP2W1 (2.2)
SLC39A13 (2.6)	MYBPC3 (2.6)
KLHL8 (1.9)	DDX28 (1.9)
AMBRA1 (2.3)	NPEPPS (2.3)
COBLL1 (2.6)	TTBK2 (2.4)
UVRAG (2.5)	UBE2L3 (2.5)
NUP93 (1.9)	PPIP5K1 (1.9)
CYP26A1 (1.9)	KCTD6 (1.9)
ARFGAP2 (2.5)	TNKS (2.4)
MED1 (2.8)	CBFB (2.6)
PXK (2.2)	HERPUD1 (2.0)
NUDT21 (2.7)	ACD (2.7)
IGF2R (2.3)	DOCK6 (2.3)
RELB (2.0)	PSMB10 (2.0)
TUBGCP4 (2.6)	FAM192A (2.5)
FADS1 (2.1)	BCL7B (2.0)
KCTD6 (2.0)	MT1M (1.9)
SIK3 (1.9)	OASL (1.8)
TGM5 (1.9)	LIPG (1.8)
PNMT (2.3)	COBLL1 (2.3)
COX19 (2.3)	TP53BP1 (2.3)
TSNAXIP1 (1.7)	KLF14 (1.7)
APOA4 (2.0)	TMEM62 (2.0)
LILRB2 (2.1)	CD40 (2.1)
NUP160 (2.8)	TOMM40 (2.8)
BAZ1B (2.9)	ACD (2.8)
SLC39A13 (2.1)	COQ9 (2.1)
NCOA5 (2.9)	ACD (2.9)
CCDC92 (2.5)	TTC39B (2.5)
NUP93 (2.5)	UBE2L3 (2.5)
OASL (2.0)	SNX10 (2.0)

GPAM (2.0)	CPNE2 (1.9)
LILRB2 (2.1)	AFF1 (2.0)
PLG (2.9)	NR0B2 (2.9)
PSMB10 (2.3)	APOC4 (2.3)
SLC7A6OS (2.6)	LIPG (2.5)
KBTBD4 (2.7)	FBXL20 (2.7)
ANGPTL4 (2.0)	LPL (2.0)
NUP93 (2.5)	ZNF613 (2.5)
NFATC3 (2.3)	CLPTM1 (2.3)
LPA (2.2)	C16orf48 (2.1)
NUTF2 (2.9)	CIAPIN1 (2.9)
MTMR3 (2.3)	MADD (2.3)
C16orf70 (2.0)	IGF2R (1.9)
EXOC3L1 (1.8)	UVRAG (1.6)
EDC4 (2.9)	PCIF1 (2.8)
FBXL20 (1.7)	CPNE2 (1.6)
PCIF1 (2.5)	SEC14L4 (2.5)
FBXL20 (3.2)	MTMR3 (3.2)
CETP (2.0)	BCL3 (1.9)
PGAP3 (2.0)	COX19 (2.0)
TTC39B (1.8)	UVRAG (1.8)
CELF1 (3.0)	MTF2 (3.0)
MFAP1 (2.1)	HERPUD1 (2.0)
DUSP3 (2.0)	CMIP (1.9)
GRB7 (2.6)	AFF1 (2.3)
PTPRJ (2.3)	PVRL2 (2.3)
ZDHHC18 (2.3)	PCSK7 (2.2)
B3GNT9 (2.7)	TMEM208 (2.6)
CD40 (2.3)	RELB (2.3)
PTPMT1 (2.4)	COBLL1 (2.2)
EDC4 (2.4)	AMBRA1 (2.3)
TMEM101 (2.2)	TMEM208 (2.1)
NAGS (1.9)	ELMO3 (1.9)
JMJD1C (2.1)	NRBF2 (2.1)
LCMT2 (2.4)	HDAC5 (2.4)
LSM12 (2.5)	CIAPIN1 (2.4)
B3GNT9 (1.7)	HNF1A (1.7)
TUBGCP4 (2.1)	LIPG (2.1)
MYO5B (2.1)	MMAB (2.0)
B3GNT9 (1.8)	LRP4 (1.8)
TTC39B (1.9)	TECTB (1.8)
TMEM101 (1.7)	BUD13 (1.7)
ACP2 (2.2)	FRMD5 (2.1)
DR1 (2.0)	TBKBP1 (1.9)
APOC4 (2.3)	SLC22A1 (2.3)
GPIHBP1 (2.2)	CD300LG (2.2)
MTF2 (2.3)	ENSG00000181296 (2
C1QTNF4 (2.3)	GNAO1 (2.2)
RBM5 (2.6)	ENSG00000247867 (2
ADAL (1.8)	TMEM62 (1.7)

NEUROD2 (2.3)	CX3CL1 (2.3)
LIPC (2.0)	PPY (2.0)
RLTPR (2.2)	TBKBP1 (2.1)
PLA2G6 (1.9)	EYA3 (1.9)
EDC4 (2.9)	CELF1 (2.9)
SIK3 (2.3)	MTMR3 (2.2)
CYP2W1 (1.9)	FRMD5 (1.9)
OGFOD1 (2.4)	NUDT21 (2.3)
CX3CL1 (2.2)	PSMB10 (2.2)
UVRAG (2.2)	PXK (2.1)
CTDSPL2 (2.3)	NCOA5 (2.0)
CCDC11 (2.1)	RELB (2.0)
DOCK6 (2.5)	CYP2W1 (2.5)
BCL3 (2.0)	SNX13 (2.0)
NUP93 (2.9)	PCIF1 (2.8)
CENPT (2.5)	BUD13 (2.4)
BAZ1B (2.3)	PCIF1 (2.2)
TBL2 (2.0)	TMEM62 (2.0)
TECTB (2.3)	PLA2G6 (2.2)
MTF2 (2.1)	JMJD1C (2.1)
MLXIPL (2.8)	LPA (2.6)
MAFF (2.2)	DR1 (2.1)
GNAO1 (2.0)	COX19 (2.0)
CBFB (2.3)	UVRAG (2.2)
CELSR2 (2.1)	ETV5 (2.1)
ERBB2 (2.6)	REEP3 (2.5)
PXK (2.3)	VEGFA (2.2)
MON1A (2.2)	ZSCAN29 (2.1)
ZNF259 (1.8)	HSF4 (1.8)
LSM12 (2.6)	CTDSPL2 (2.5)
LSM12 (2.6)	CTDSPL2 (2.5)
LSM12 (2.6)	CTDSPL2 (2.5)
MIEN1 (2.6)	NUTF2 (2.6)
HARBI1 (2.5)	DDX28 (2.3)
LIPG (2.1)	NAGS (1.9)
NUP93 (1.9)	GLUL (1.9)
TMEM62 (2.0)	PPIP5K1 (2.0)
NUDT21 (2.8)	NUP93 (2.7)
CETP (1.8)	LILRB2 (1.8)
HNF4A (2.0)	NAGS (1.8)
ZNF664 (1.6)	TTC39B (1.5)
CATSPER2 (2.2)	MPP2 (2.1)
PTPRJ (1.6)	TGM7 (1.6)
POLR2C (2.9)	EDC4 (2.8)
ENSG00000254235 (2	ABHD6 (2.0)
ELMO3 (2.4)	TMEM208 (2.3)
LCMT2 (1.6)	PSMC3 (1.5)
DNAH10 (2.2)	OR5L2 (2.1)
NUTF2 (2.5)	C1orf172 (2.5)
RBM6 (2.2)	BCL7B (2.2)

MYO5B (1.9)	ARHGAP1 (1.9)
DPEP2 (2.2)	RELB (2.2)
MACF1 (2.1)	OR5J2 (1.9)
DUSP3 (2.2)	OGFOD1 (2.2)
AMFR (2.0)	ENSG00000229043 (1
ACD (2.7)	FBXL20 (2.3)
C18orf32 (2.7)	ZNF614 (2.4)
TTBK2 (2.4)	OR5J2 (2.3)
C1QTNF4 (2.2)	B3GNT9 (2.2)
ARID1A (3.0)	CBFB (2.9)
UBE2L3 (2.9)	NUP93 (2.7)
SFN (2.0)	AFF1 (2.0)
NUP93 (2.5)	BAZ1B (2.4)
SLC7A6OS (2.3)	YDJC (2.1)
ERBB2 (2.3)	IGF2R (2.3)
ARID1A (2.0)	APOE (1.9)
FADS1 (2.0)	SBNO1 (2.0)
C1orf172 (2.4)	SPG11 (2.4)
BUD13 (2.4)	MIEN1 (2.4)
MT1X (2.5)	SPI1 (2.4)
ERBB2 (2.4)	PSKH1 (2.3)
KLHL8 (2.7)	RBM6 (2.7)
FEN1 (2.0)	DPEP2 (2.0)
BUD13 (2.4)	ETV5 (2.2)
ZDHHC18 (2.1)	RAB11B (2.0)
TSNAXIP1 (2.1)	DR1 (2.1)
NUP160 (2.5)	MED1 (2.5)
NUP93 (2.1)	SNORD58C (2.1)
ARID1A (2.1)	SNORD58C (2.1)
GPER (1.8)	EPB42 (1.7)
NAGS (2.8)	TMEM208 (2.6)
MON1A (2.4)	INTS10 (2.4)
SPI1 (1.6)	C1QTNF4 (1.6)
ZNF664 (2.1)	SBNO1 (2.0)
GPN2 (2.5)	RSPRY1 (2.4)
TNKS (2.2)	FAM192A (2.1)
MYBPC3 (2.0)	PPP1R1B (1.9)
PACSIN3 (2.0)	LRP4 (1.9)
ACD (2.8)	CCNDBP1 (2.8)
PAFAH1B2 (2.0)	DOK4 (2.0)
FBXL20 (2.0)	EYA3 (2.0)
PACSIN3 (2.7)	ERBB2 (2.4)
MTCH2 (1.9)	DGAT2 (1.9)
PRMT7 (2.6)	NPEPPS (2.6)
TBKBP1 (1.6)	MST1R (1.5)
BUD13 (2.6)	SNORD58C (2.5)
KIAA0754 (2.4)	KANK2 (2.4)
SOST (1.9)	ZNF408 (1.9)
PDHB (2.0)	CCNDBP1 (2.0)
CKAP5 (2.9)	NUDT21 (2.9)

CATSPER2 (2.3)	TP53BP1 (2.2)
JMJD1C (2.8)	MED1 (2.8)
ENSG00000247867 (2	CYP2W1 (2.2)
GALNT2 (2.6)	ARFGAP2 (2.6)
RSPRY1 (2.3)	NRBF2 (2.3)
FHOD1 (2.0)	KLF14 (2.0)
ARID1A (2.5)	UBE2L3 (2.5)
HSF4 (2.4)	G6PC3 (2.3)
ST3GAL4 (2.4)	PACSIN3 (2.3)
CASC4 (2.3)	BCL3 (2.2)
CYP26A1 (2.1)	LRRC29 (2.1)
ENSG00000254235 (2	CCDC92 (2.1)
REEP3 (1.6)	CCL17 (1.6)
TRIB1 (2.1)	ZSCAN29 (2.0)
CASC4 (2.2)	DYM (2.2)
DPEP2 (2.1)	APOB (2.1)
NOL3 (2.0)	LIPG (2.0)
BAZ1B (2.0)	SPG11 (2.0)
HSF4 (2.0)	OR4A1P (2.0)
TMED5 (3.2)	PDIA3 (3.1)
TRIB1 (2.0)	ST3GAL4 (1.9)
C12orf65 (2.0)	OR5J2 (1.9)
PTPRZ1 (1.7)	CCL22 (1.7)
ZNF408 (2.3)	DDX28 (2.3)
EIF3J (3.0)	OGFOD1 (2.9)
PXK (2.0)	TUBGCP4 (2.0)
ACP2 (1.6)	OR4A1P (1.6)
ACP2 (1.6)	OR4A1P (1.6)
EIF3J (2.1)	HERPUD1 (2.1)
SIDT2 (2.1)	TRADD (2.1)
TGM5 (2.2)	NCOA5 (2.2)
EDC4 (2.4)	FEN1 (2.3)
EDC4 (2.8)	RBM6 (2.7)
SLC39A13 (2.3)	GALNT2 (2.2)
ENSG00000179523 (2	C16orf70 (2.8)
BACE1 (2.0)	TAGLN (1.9)
NRBF2 (2.4)	DGAT2 (2.3)
NRBF2 (2.4)	DGAT2 (2.3)
RBM6 (2.7)	RSPRY1 (2.6)
PXK (1.8)	OR4A1P (1.7)
BACE1 (1.9)	VEGFA (1.9)
CXXC1 (2.0)	PITPNM2 (1.9)
EDC4 (2.8)	CBFB (2.8)
ZNF614 (2.1)	TMEM101 (2.0)
POLR2C (2.7)	LSM12 (2.5)
CBFB (2.7)	PCIF1 (2.5)
NCOA5 (2.5)	RBPJ (2.5)
KBTBD4 (2.8)	MFAP1 (2.7)
PCSK7 (2.1)	ENSG00000236267 (2
C1orf172 (2.0)	MACF1 (2.0)

OGFOD1 (2.3)	TMEM101 (2.2)
PSMB10 (2.5)	KIAA0895L (2.4)
PLTP (2.2)	PVRL2 (2.1)
LSM12 (2.0)	FBXL20 (2.0)
DPEP2 (2.0)	APOA5 (1.9)
EDC4 (2.9)	PNMT (2.9)
ENSG00000226334 (1	FBXL20 (1.9)
CCDC18 (2.0)	PLTP (1.9)
MPHOSPH9 (1.8)	ENSG00000182109 (1
PDE3A (2.1)	DPEP2 (2.0)
NAGS (2.4)	APOC4 (2.3)
ABCA1 (1.9)	APOE (1.9)
C1orf172 (2.1)	OR5J2 (2.1)
EXOC3L1 (1.9)	TNKS (1.9)
AMBRA1 (1.9)	LCMT2 (1.9)
KCTD10 (2.6)	CPNE2 (2.5)
CCNDBP1 (2.6)	PRMT7 (2.5)
RANBP10 (2.5)	PCSK7 (2.4)
ENSG00000226334 (1	TRPS1 (1.6)
MTF2 (3.2)	BUD13 (3.0)
SDF2L1 (2.3)	ZFAND2A (2.2)
OGFOD1 (3.0)	MED1 (3.0)
COBLL1 (2.2)	C19orf80 (2.0)
MT1E (1.9)	MT1G (1.9)
MTMR3 (2.6)	ZDHHC18 (2.3)
ACD (2.9)	NCOA5 (2.7)
NUP160 (2.8)	WDR76 (2.5)
CYP2W1 (2.0)	APOC1 (2.0)
SLC7A6OS (2.6)	MED1 (2.4)
MT1H (1.9)	SLC22A1 (1.8)
UBE2L3 (3.0)	MFAP1 (2.9)
RAB11B (2.1)	CCL22 (2.0)
CCDC92 (2.5)	SETD8 (2.5)
MTCH2 (2.5)	ATG13 (2.5)
TMEM101 (1.9)	PTPMT1 (1.7)
MADD (1.8)	CMIP (1.8)
CXXC1 (2.8)	EDC4 (2.8)
C11orf49 (1.9)	RNF214 (1.8)
ABCA8 (1.8)	LRRC29 (1.8)
LRRC29 (2.6)	GALNT2 (2.6)
CCL17 (2.2)	CD40 (2.2)
EIF3J (2.2)	CDK12 (2.1)
GFOD2 (2.2)	FRMD5 (2.1)
SKA1 (2.7)	CENPT (2.6)
ACD (2.8)	NUP160 (2.8)
MON1A (1.9)	PIGV (1.8)
CMIP (2.4)	ST3GAL4 (2.4)
DPEP2 (2.0)	ST3GAL4 (2.0)
PDE3A (2.1)	SLC9A5 (2.0)
NUP160 (2.7)	NCOA5 (2.6)

BMP8A (2.4)	TECTB (2.3)
EIF3J (1.8)	CXXC1 (1.8)
C1orf172 (2.3)	ELMO3 (2.3)
C12orf43 (2.6)	ZNF335 (2.5)
TNKS (2.1)	SPG11 (2.0)
OR5I1 (1.9)	ENSG00000223745 (1
LRP4 (2.1)	BCL3 (2.0)
RBPJ (2.1)	E2F4 (2.1)
ZNF615 (2.5)	NCOA5 (2.5)
MTF2 (2.2)	THAP11 (2.1)
POLR2C (3.1)	FAM192A (3.1)
EDC4 (2.4)	FEN1 (2.3)
LCAT (2.4)	MAP1A (2.3)
STRC (2.0)	SPI1 (1.9)
PARD6A (2.5)	ACD (2.5)
PARD6A (2.5)	ACD (2.5)
PARD6A (2.5)	ACD (2.5)
PARD6A (2.5)	ACD (2.5)
PARD6A (2.5)	ACD (2.5)
PARD6A (2.5)	ACD (2.5)
OGFOD1 (2.2)	HDAC5 (2.1)
CCL17 (2.1)	RBPJ (2.1)
ABCA1 (2.5)	PLTP (2.4)
SBNO1 (1.8)	RLTPR (1.8)
SDF2L1 (2.1)	C11orf9 (2.0)
FAM192A (2.5)	MBD1 (2.5)
EYA3 (2.3)	THAP11 (2.3)
SETD8 (2.0)	ENSG00000226645 (2
MT1E (2.7)	ELMO3 (2.7)
RAB11B (2.4)	RELB (2.3)
CSGALNACT1 (2.2)	GFOD2 (2.2)
UBE2L3 (2.1)	AMFR (2.1)
TMED5 (2.0)	NEUROD2 (2.0)
PLEKHG4 (2.5)	ZDHHC18 (2.4)
APOC3 (1.8)	DPEP3 (1.7)
UBE2L3 (2.6)	POLR2C (2.5)
TBKBP1 (2.3)	VEGFA (2.3)
EYA3 (2.1)	RNF214 (2.1)
CELF1 (2.6)	PSMC3 (2.5)
PTPRZ1 (2.0)	OR5J2 (1.9)
NCOA5 (2.3)	OGFOD1 (2.3)
ACD (2.5)	EYA3 (2.1)
LILRA3 (1.9)	CPNE2 (1.9)
SLC12A3 (2.1)	CX3CL1 (1.8)
CYP2W1 (2.3)	DDB2 (2.2)
NUDT21 (2.1)	JMJD1C (2.0)
PLTP (2.1)	TMEM101 (2.1)
PCIF1 (2.6)	ARID1A (2.6)
ABCB9 (2.1)	NFATC3 (2.1)
BMP8A (2.0)	ABCB9 (1.9)

PPP1R1B (1.8)	ENSG00000247445 (1
MACF1 (2.5)	RAB11B (2.5)
EDC4 (2.8)	POLR2C (2.7)
DYM (2.4)	ARFGAP2 (2.2)
NLRC5 (2.2)	CETP (2.1)
PCIF1 (2.0)	EYA3 (2.0)
SLC12A3 (2.0)	AFF1 (2.0)
KCTD6 (1.6)	DCPS (1.5)
PACSIN3 (2.4)	IGF2R (2.3)
KCTD10 (2.0)	HDAC5 (2.0)
TUBGCP4 (2.4)	KLHL8 (2.3)
CD40 (2.1)	PITPNM2 (2.0)
ENSG00000181296 (2	ABCA1 (2.0)
KPNB1 (2.8)	NUP160 (2.7)
PLA2G15 (2.5)	CIAPIN1 (2.4)
CYP26A1 (2.3)	BCAM (2.3)
COBLL1 (1.8)	B3GNT9 (1.8)
UBE2L3 (2.7)	MIEN1 (2.5)
UBE2L3 (2.7)	MIEN1 (2.5)
SLC39A13 (2.3)	C11orf49 (2.2)
CELF1 (2.9)	EDC4 (2.8)
MT1M (2.1)	GRB7 (2.1)
GPAM (2.1)	SPI1 (2.1)
DDX28 (1.9)	GLUL (1.9)
ZNF335 (2.5)	PACSIN3 (2.4)
ZNF664 (2.5)	MACF1 (2.5)
ACAA2 (2.0)	PLG (2.0)
EYA3 (2.2)	PSKH1 (2.0)
SPI1 (2.0)	XKR8 (2.0)
EDC4 (2.5)	SLC39A13 (2.4)
ABHD6 (2.6)	ZNF615 (2.4)
ENSG00000179523 (1	NRBF2 (1.9)
MT1M (1.9)	MT1F (1.9)
NUP160 (2.0)	FADS2 (2.0)
ACP2 (2.1)	NAGS (2.0)
APOA4 (1.8)	TRNP1 (1.8)
PDE3A (1.9)	C18orf32 (1.9)
C12orf43 (2.7)	CCDC116 (2.7)
APOA1 (1.7)	ETV5 (1.7)
BAZ1B (2.3)	AMFR (2.3)
CTDSPL2 (2.8)	RBM6 (2.7)
CCL17 (2.4)	PAFAH1B2 (2.1)
APOE (3.2)	APOA5 (3.2)
ENSG00000226334 (2	SETD8 (2.2)
CELF1 (1.8)	MIEN1 (1.8)
PLEKHG4 (2.3)	TMEM101 (2.1)
KIAA0895L (2.0)	DOK4 (1.9)
NUP160 (2.0)	CTDSPL2 (1.7)
LPL (1.6)	SLC22A1 (1.6)
TRNP1 (2.1)	MT1E (2.1)

CELF1 (2.8)	KPNB1 (2.8)
C18orf32 (2.5)	KIAA0754 (2.3)
ENSG00000236267 (2	CCL22 (2.2)
NFATC3 (2.1)	SMPD3 (1.9)
ACD (2.1)	NCOA5 (2.1)
SIK3 (2.3)	SETD8 (2.2)
ENSG00000236267 (1	GLUL (1.7)
HNF4A (2.3)	DNAH10 (2.0)
TMEM208 (2.6)	ST3GAL4 (2.5)
NUP93 (2.4)	NUP160 (1.9)
DUSP3 (2.5)	RSPRY1 (2.5)
DCPS (2.9)	EDC4 (2.9)
LILRA3 (2.1)	ENSG00000226645 (2
FRMD5 (2.3)	NPEPPS (2.3)
BCL3 (2.1)	SPI1 (2.0)
CBFB (2.7)	EDC4 (2.6)
GALNT2 (2.7)	UBR1 (2.6)
NUP93 (2.4)	CTDSPL2 (2.1)
RBM5 (2.1)	NUP160 (1.8)
CELSR2 (2.4)	NRBF2 (2.2)
EDC4 (3.0)	POLR2C (2.8)
MTF2 (2.7)	MFAP1 (2.6)
C18orf32 (2.4)	COBLL1 (2.2)
MPP2 (2.2)	INTS10 (2.1)
DYM (2.4)	FEN1 (2.3)
CPS1 (2.6)	APOA5 (2.5)
FADS1 (2.1)	TGM7 (2.1)
TRPS1 (1.8)	PPY (1.7)
PYY (2.4)	SMPD3 (2.4)
RSPRY1 (2.0)	SLC12A4 (2.0)
TNKS (2.3)	TUBGCP4 (2.2)
NOL3 (2.8)	CIAPIN1 (2.8)
POLR2C (2.6)	ARFGAP2 (2.5)
C18orf32 (2.0)	CCDC11 (1.9)
DPEP3 (2.7)	NUP93 (2.2)
COX19 (2.3)	ZNF350 (2.1)
C17orf105 (2.2)	MT1H (2.2)
ENSG00000181296 (1	ENSG00000256746 (1
CENPT (2.0)	EYA3 (2.0)
TNKS (1.9)	TGM7 (1.9)
CTRL (2.2)	DYM (2.2)
E2F4 (2.3)	CIAPIN1 (2.3)
KIAA0895L (2.2)	SLC9A5 (2.2)
CSGALNACT1 (2.3)	SLC39A13 (2.2)
ENSG00000181123 (1	SLC39A13 (1.9)
MT1X (2.1)	TMEM208 (2.1)
UVRAG (2.2)	MTMR3 (2.1)
ARID1A (2.7)	MED1 (2.6)
GFOD2 (2.1)	MLXIPL (2.0)
GFOD2 (2.1)	MLXIPL (2.0)

ZDHHC18 (2.3)	LILRA3 (2.2)
RBM6 (2.9)	POLR2C (2.6)
AMBRA1 (2.2)	RLTPR (2.1)
COQ9 (1.9)	DPEP2 (1.9)
PGAP3 (2.1)	ZNF335 (2.1)
PNMT (2.1)	UVRAG (2.1)
CETP (2.5)	TECTB (2.2)
UBE2L3 (2.6)	POLR2C (2.4)
MPP2 (2.2)	MT1E (2.2)
HDAC5 (2.5)	ZNF408 (2.4)
CCDC18 (2.6)	TUBGCP4 (2.4)
CIAPIN1 (2.3)	GPR146 (2.3)
PTPRZ1 (2.2)	ABCA1 (2.0)
NUP160 (2.1)	NUTF2 (2.0)
MACF1 (1.8)	SNORD58C (1.8)
TECTB (2.0)	SFN (2.0)
ZNF350 (1.7)	SIDT2 (1.7)
FZD9 (2.2)	PLTP (2.2)
G6PC3 (2.0)	SIDT2 (2.0)
EXOC3L1 (1.9)	BAZ1B (1.9)
TBL2 (2.8)	UBE3B (2.8)
DUSP3 (1.9)	ANGPTL4 (1.9)
ENSG00000247445 (2	SBNO1 (2.1)
TUBGCP4 (2.2)	ENSG00000236267 (2
NUDT21 (2.2)	CENPT (2.1)
COX19 (1.8)	SLC12A4 (1.7)
NUP93 (2.0)	SETD8 (2.0)
CCDC18 (2.2)	BBS2 (2.2)
SCARB1 (2.1)	TRIB1 (2.1)
MAFF (2.0)	KCTD10 (2.0)
B3GNT9 (2.0)	SLC39A13 (1.9)
SMPD3 (2.0)	TMEM101 (2.0)
RBM5 (2.3)	CX3CL1 (2.3)
DOK4 (2.0)	MST1R (1.9)
ENSG00000181123 (2	ABCA8 (2.2)
SETD8 (1.9)	NUP160 (1.8)
ARFGAP2 (2.0)	TRADD (1.9)
CCL17 (2.3)	TECTB (2.2)
NR0B2 (2.0)	GLUL (2.0)
APOC3 (2.5)	OR4A21P (2.4)
TRNP1 (2.1)	GLUL (2.0)
DPEP3 (2.1)	CDK12 (2.1)
ZNF350 (1.7)	ST3GAL4 (1.7)
MTF2 (2.7)	ETV5 (2.7)
SIK3 (2.3)	SLC9A5 (2.1)
DUS2L (2.8)	LILRB2 (2.7)
MACF1 (2.7)	BACE1 (2.6)
PXK (2.2)	KLF14 (2.1)
MAP1A (1.9)	ENSG00000256746 (1
CXXC1 (2.9)	NUDT21 (2.9)

PXK (2.0)	MAFF (2.0)
TMEM175 (3.2)	FBXL20 (3.1)
BCL3 (1.9)	UVRAG (1.8)
RBPJ (2.4)	DUS2L (2.4)
PAFAH1B2 (2.2)	JMJD1C (2.2)
HDAC5 (1.7)	SPI1 (1.7)
BCL3 (2.2)	OR5L2 (2.1)
CCL17 (1.9)	PVRL2 (1.8)
OR5L2 (2.1)	RAB11B (2.0)
ACD (2.1)	CPNE2 (2.1)
POLR2C (2.6)	PCIF1 (2.5)
TRNP1 (2.8)	DOCK6 (2.8)
EDC4 (2.5)	BAZ1B (2.4)
HDAC5 (2.8)	TCAP (2.8)
ZNF259 (2.8)	NOL3 (2.5)
NUP160 (2.0)	CTDSPL2 (1.8)
DOK4 (2.5)	ENSG00000247445 (2
TECTB (2.1)	CCL22 (2.1)
AGBL2 (2.2)	C12orf65 (2.1)
PPIP5K1 (1.7)	POLR2C (1.6)
LILRA3 (2.2)	ZDHHC18 (2.2)
RNF214 (2.2)	MADD (2.2)
C1orf172 (2.2)	TMEM101 (2.0)
ENSG00000256746 (1	CCDC11 (1.8)
CMIP (2.1)	SNX10 (2.0)
LIPG (2.5)	UVRAG (2.4)
PCSK7 (2.6)	CATSPER2 (2.5)
ZDHHC18 (2.1)	ENSG00000247445 (2
TRIB1 (2.4)	AFF1 (2.4)
HARBI1 (2.4)	PSMC3 (2.4)
GRB7 (2.1)	FZD9 (2.0)
GNAO1 (2.2)	PLTP (1.9)
UBR1 (2.7)	CXXC1 (2.6)
TRADD (2.1)	ZFAND2A (2.0)
MYO5B (3.2)	MYBPC3 (3.2)
CXXC1 (2.3)	MTMR3 (2.3)
MAFF (2.1)	C19orf80 (2.0)
SLC39A13 (2.3)	IGF2R (2.2)
TMEM62 (2.2)	KIAA0754 (2.2)
SETD8 (1.5)	DPEP3 (1.4)
ATG13 (3.0)	PTPMT1 (2.9)
MFAP1 (2.6)	KLHL8 (2.4)
PARD6A (2.2)	C16orf48 (2.2)
RBM5 (2.0)	LILRA3 (1.9)
SLC12A4 (2.1)	PTPRZ1 (2.1)
LSM12 (2.2)	TMEM208 (2.1)
NUP93 (2.1)	SETD8 (1.9)
SCARB1 (1.8)	AGBL2 (1.8)
MFAP1 (2.4)	ZNF408 (2.3)
FPR3 (1.9)	ENSG00000247867 (1

SLC9A5 (2.4)	BCL3 (2.3)
SLC7A6OS (2.8)	CCNDBP1 (2.6)
ACD (2.4)	PCSK7 (2.3)
POLR2C (2.7)	BBS2 (2.6)
CBFB (2.7)	POLR2C (2.7)
ENSG00000226334 (2	MYO1H (1.9)
BCAM (2.0)	MADD (1.9)
SBNO1 (2.3)	MTMR3 (2.2)
PLTP (2.1)	SPI1 (2.0)
SNORD58C (2.9)	ACD (2.8)
SIK3 (2.0)	MT1G (2.0)
CYP26A1 (2.2)	RSPO3 (2.1)
OR5I1 (2.3)	C17orf57 (2.3)
AMBRA1 (2.3)	CKAP5 (2.2)
AMBRA1 (2.6)	ARID1A (2.4)
AMBRA1 (2.6)	ARID1A (2.4)
AMBRA1 (2.6)	ARID1A (2.4)
OR5L2 (2.0)	NPEPPS (1.9)
LRP4 (2.1)	CD300LG (2.1)
ZFAND2A (1.7)	SNORD58C (1.7)
POLR2C (2.7)	PCIF1 (2.6)
POLR2C (2.7)	PCIF1 (2.6)
C12orf43 (2.1)	BAZ1B (2.1)
SMPD3 (2.0)	TRPS1 (2.0)
SOST (1.9)	KCTD6 (1.8)
LPL (2.0)	APOA4 (1.9)
NRBF2 (1.9)	SOST (1.9)
ENSG00000254235 (2	KCTD19 (2.0)
ENSG00000223745 (2	ENSG00000181296 (2
ACD (2.6)	LSM12 (2.5)
MT1E (2.4)	SLC22A1 (2.3)
RNF214 (2.3)	SIDT2 (2.2)
MBD1 (2.0)	COBLL1 (1.9)
KPNB1 (1.9)	TOMM40 (1.9)
DR1 (2.8)	RBM5 (2.8)
JMJD1C (2.4)	KLHL8 (2.3)
HARBI1 (2.3)	DR1 (2.2)
NUP93 (2.1)	NUP160 (1.9)
SNX10 (2.5)	UBE2L3 (2.2)
LRRC29 (2.4)	GLUL (2.3)
NUP160 (2.6)	BUD13 (2.6)
KANK2 (2.0)	MT1M (2.0)
ENSG00000254235 (2	SNX13 (1.9)
ZDHHC18 (2.2)	CCL22 (2.2)
DYM (2.3)	BCL7B (2.3)
KLHL8 (2.2)	C17orf57 (2.2)
ZDHHC18 (2.1)	GPN2 (1.9)
PRMT7 (2.2)	DCPS (2.2)
HNF1A (2.0)	MACF1 (1.9)
DOK4 (2.1)	ADAL (1.9)

OR5J2 (2.1)	ENSG00000254235 (1
CSGALNACT1 (2.0)	FBXL20 (2.0)
KCTD6 (2.2)	ABCB9 (2.0)
FAM192A (2.6)	NPEPPS (2.6)
DEPDC1 (2.0)	SETD8 (1.9)
ENSG00000236267 (2	ZFAND2A (2.1)
PXK (2.2)	PACSIN3 (2.1)
ZNF664 (2.1)	SBNO1 (2.1)
CELSR2 (2.6)	C1orf172 (2.5)
PCIF1 (2.0)	RSPRY1 (1.9)
NUP160 (2.0)	C7orf50 (1.5)
CCL17 (2.2)	MT1E (2.1)
CCNDBP1 (2.7)	BUD13 (2.5)
CCL22 (2.0)	CCL17 (2.0)
NDUFS3 (2.8)	CIAPIN1 (2.7)
ZDHHC18 (2.3)	C16orf86 (2.2)
FHOD1 (2.2)	ZFAND2A (2.2)
C12orf65 (2.5)	EDC4 (2.5)
RAB11B (1.7)	TSNAXIP1 (1.7)
JMJD1C (2.2)	PAFAH1B2 (2.2)
C1QTNF4 (1.8)	MPP2 (1.8)
NUP160 (2.5)	NUP93 (2.4)
HDAC5 (2.0)	SEC14L4 (2.0)
CENPT (2.4)	ENSG00000179523 (2
EDC4 (2.6)	NUP160 (2.5)
DOK4 (1.7)	BMP8A (1.7)
GLUL (2.2)	SLC9A5 (2.2)
GLUL (2.2)	SLC9A5 (2.2)
SLC12A4 (3.0)	PACSIN3 (2.9)
LRP4 (2.1)	AGBL2 (2.1)
ENSG00000254235 (2	OR5I1 (2.2)
PCSK7 (2.0)	OR4A21P (2.0)
CELF1 (3.0)	BUD13 (3.0)
UBE3B (1.9)	SIDT2 (1.8)
KCTD19 (2.0)	TOMM40 (2.0)
CASC4 (1.9)	DOCK6 (1.8)
ZNF350 (2.1)	TRNP1 (2.1)
AFF1 (2.1)	PXK (2.1)
EIF3J (2.5)	PXK (2.5)
DDB2 (1.9)	ZNF613 (1.9)
LILRA3 (2.1)	OR4A21P (2.0)
UBE2L3 (2.7)	LSM12 (2.6)
BUD13 (3.0)	ACD (3.0)
NUP93 (3.1)	NOL3 (2.9)
TRADD (2.8)	SLC39A13 (2.5)
BMP8A (1.9)	LRRC29 (1.8)
SNX13 (1.8)	CD300LG (1.7)
ARFGAP2 (2.6)	KBTBD4 (2.6)
HNF4A (2.7)	NAGS (2.6)
TBL2 (2.5)	ENSG00000182109 (2

CIAPIN1 (2.0)	NUP93 (2.0)
ENSG00000223745 (2	OASL (1.9)
CBFB (1.9)	BCL3 (1.9)
GPN2 (1.8)	SPRYD5 (1.8)
NOL3 (2.0)	UBR1 (2.0)
SNX13 (2.0)	LILRB2 (2.0)
CCNDBP1 (2.6)	FAM192A (2.5)
NPEPPS (1.8)	PXK (1.8)
ENSG00000256746 (1	TRPS1 (1.9)
KANK2 (2.4)	DOCK6 (2.3)
ACD (2.8)	POLR2C (2.8)
PYY (1.9)	C17orf105 (1.9)
CD40 (2.5)	SIDT2 (2.5)
E2F4 (2.8)	LSM12 (2.6)
DDX28 (2.6)	C16orf86 (2.4)
DDX28 (2.6)	C16orf86 (2.4)
DUSP3 (2.1)	SNX13 (2.1)
ZNF350 (2.0)	CD300LG (2.0)
LPL (2.0)	SMPD3 (1.9)
PGS1 (2.1)	ESRP2 (2.1)
APOA5 (2.3)	NAGS (2.3)
FRMD5 (2.0)	CPNE2 (2.0)
SMPD3 (1.5)	ZNF350 (1.4)
MPHOSPH9 (2.2)	ZFAND2A (2.2)
PXK (2.2)	HERPUD1 (2.2)
ZNF408 (2.1)	CCNDBP1 (2.1)
KLHL8 (2.4)	MADD (2.2)
SETD8 (2.3)	UBE3B (2.1)
NFATC3 (2.1)	MPP3 (2.0)
ARID1A (2.1)	PCSK7 (2.0)
C17orf57 (1.4)	C1orf172 (1.4)
PCSK7 (2.4)	CENPT (2.4)
FAM192A (1.8)	OR4A21P (1.7)
TRPS1 (2.6)	RSPO3 (2.6)
PRMT7 (2.3)	OGFOD1 (2.3)
SBNO1 (1.9)	JMJD1C (1.9)
OGFOD1 (2.2)	ENSG00000223745 (2
SBNO1 (2.1)	AMFR (2.0)
GPN2 (2.3)	MON1A (2.2)
DNAH10 (1.9)	ACAA2 (1.9)
RBM5 (2.2)	SETD8 (2.0)
MED1 (3.0)	EDC4 (3.0)
RLTPR (2.2)	RBPJ (2.1)
TRADD (2.8)	SDF2L1 (2.6)
TAGLN (2.1)	REEP3 (2.0)
CXXC1 (2.9)	NUDT21 (2.9)
KLF14 (1.9)	CPNE2 (1.8)
TRNP1 (2.3)	CELF1 (2.3)
HDAC5 (2.2)	CITED2 (2.0)
DOCK6 (2.7)	MST1R (2.7)

DUS2L (2.1)	ZDHHC18 (2.1)
TTC39B (1.7)	GPER (1.7)
NFATC3 (2.2)	DYM (2.2)
KPNB1 (2.4)	FEN1 (2.4)
CBFB (1.9)	TMED5 (1.9)
UBE2L3 (3.0)	NUP93 (2.9)
BAZ1B (2.3)	OR4A1P (2.3)
BAZ1B (2.3)	OR4A1P (2.3)
BAZ1B (2.3)	OR4A1P (2.3)
MYO5B (1.8)	C11orf9 (1.7)
TMED5 (2.6)	ADAL (2.4)
C18orf32 (2.1)	COQ9 (2.1)
C18orf32 (2.1)	COQ9 (2.1)
DPEP2 (2.4)	BACE1 (2.4)
POLR2C (2.6)	UBE2L3 (2.5)
POLR2C (3.0)	ACD (2.9)
TRADD (2.2)	PSMB10 (2.0)
MT1X (2.4)	CIAPIN1 (2.4)
UBE3B (2.0)	TBKBP1 (2.0)
SPI1 (2.4)	SMPD3 (2.3)
SIK3 (1.9)	MAP1A (1.9)
SLC7A6OS (2.0)	MT1H (2.0)
INTS10 (2.9)	CKAP5 (2.9)
ARID1A (2.0)	PTPRJ (1.9)
NUP93 (1.9)	SETD8 (1.7)
THAP11 (2.9)	CTDSPL2 (2.7)
TOMM40 (2.7)	KPNB1 (2.6)
MT1X (1.9)	LSM12 (1.9)
MT1X (1.9)	LSM12 (1.9)
MT1X (1.9)	LSM12 (1.9)
CTDSPL2 (2.6)	CBFB (2.1)
DOCK6 (2.0)	KANK2 (1.8)
RBM6 (2.4)	DR1 (2.3)
ZDHHC18 (2.0)	TECTB (2.0)
C16orf70 (2.3)	NPEPPS (2.3)
PDIA3 (2.5)	SIDT2 (2.4)
NFATC3 (2.0)	PTPRZ1 (1.7)
CXXC1 (2.2)	BAZ1B (2.2)
ENSG00000247445 (2	CATSPER2 (2.2)
MTMR3 (1.9)	LRRC29 (1.8)
CENPT (2.9)	CTDSPL2 (2.6)
LPL (1.9)	DYM (1.9)
MYO5B (2.3)	MACF1 (2.3)
PSMB10 (2.5)	ZNF350 (2.5)
TTBK2 (2.5)	SIK3 (2.5)
INTS10 (2.9)	NUDT21 (2.9)
HSF4 (1.9)	ELMO3 (1.8)
BUD13 (2.9)	RBM6 (2.7)
NAGS (2.2)	C11orf9 (2.1)
HERPUD1 (2.1)	MACF1 (2.1)

UBE2L3 (2.7)	ARID1A (2.5)
GPN2 (2.3)	YDJC (2.2)
GPER (2.7)	DOK4 (2.7)
ZNF614 (2.0)	OR5J2 (2.0)
EDC4 (2.3)	FEN1 (2.3)
DNAH10 (2.0)	CYP2W1 (2.0)
GALNT2 (1.9)	PNMT (1.8)
LPA (3.2)	ENSG00000236267 (2
RSPO3 (2.1)	APOE (2.1)
BCL7B (2.5)	ZNF664 (2.5)
MAP1A (1.8)	MACF1 (1.8)
ZNF259 (2.5)	NCOA5 (2.5)
POLR2C (1.9)	NUTF2 (1.9)
ACP2 (2.1)	ENSG00000255507 (2
NUP160 (2.6)	NUP93 (2.5)
TOMM40 (2.0)	NUP160 (1.9)
MST1R (1.8)	LILRA3 (1.7)
UBE2L3 (2.8)	CXXC1 (2.7)
ENSG00000226645 (2	PTPRZ1 (2.3)
SLC12A3 (2.3)	KBTBD4 (2.2)
ENSG00000236267 (2	ENSG00000254235 (2
PPIP5K1 (1.8)	KBTBD4 (1.8)
LILRA3 (2.3)	ARHGAP1 (2.2)
RANBP10 (2.7)	RAB11B (2.7)
FADS1 (2.0)	SLC9A5 (2.0)
ABHD6 (1.9)	ZNF614 (1.7)
CELSR2 (2.5)	SNX10 (2.4)
CXXC1 (2.6)	CBFB (2.6)
NOL3 (1.8)	TGM7 (1.8)
CKAP5 (2.3)	CXXC1 (2.3)
MACF1 (2.1)	LRP4 (2.1)
CENPT (2.5)	DEPDC1 (2.5)
LCMT2 (2.6)	C7orf50 (2.6)
THAP11 (2.1)	POLR2C (2.0)
INTS10 (2.3)	IGF2R (2.3)
XKR8 (2.0)	TBL2 (1.9)
UBE2L3 (2.7)	CBFB (2.7)
NUP160 (2.8)	POLR2C (2.7)
EXOC3L1 (2.1)	TCAP (2.1)
BUD13 (2.6)	ENSG00000181296 (2
RBM5 (2.0)	UBR1 (1.9)
MT1X (2.1)	TMEM175 (1.9)
ARID1A (2.6)	TRIB1 (2.6)
DCPS (2.1)	TP53BP1 (1.9)
SPI1 (1.8)	DR1 (1.7)
RAPSN (1.9)	DGKG (1.9)
SPRYD5 (2.0)	PGS1 (2.0)
NAGS (2.2)	ABCA8 (2.1)
PRMT7 (2.3)	DEPDC1 (2.2)
MT1M (2.1)	ABCA1 (2.1)

ARFGAP2 (2.5)	DR1 (2.5)
GALNT2 (1.7)	XKR8 (1.7)
NDUFS3 (2.7)	ZFAND2A (2.5)
SLC7A6OS (2.5)	ARFGAP2 (2.5)
PITPNM2 (2.3)	ARHGAP1 (2.2)
LIPG (2.0)	NLRC5 (1.9)
ENSG00000181296 (2	ANGPTL4 (1.9)
GPN2 (2.0)	MIEN1 (2.0)
NUP93 (2.7)	DDX28 (2.5)
MT1X (2.7)	OASL (2.6)
SPG11 (2.4)	KANK2 (2.4)
LILRA3 (2.0)	TTC39B (1.8)
ZNF259 (2.9)	MED1 (2.6)
UVRAG (1.8)	KLHL8 (1.7)
NPEPPS (2.8)	NUDT21 (2.7)
DUS2L (2.0)	APOB (2.0)
GRB7 (2.3)	ETV5 (2.2)
MLXIPL (1.9)	C12orf65 (1.9)
INTS10 (2.6)	ZNF259 (2.6)
CBFB (2.4)	CCL22 (2.2)
DR1 (2.6)	CTDSPL2 (2.4)
SNORD58C (2.0)	ENSG00000223745 (1
CBFB (2.7)	POLR2C (2.7)
NUP93 (1.8)	DDB2 (1.7)
GRB7 (1.8)	CELSR2 (1.8)
GPAM (1.7)	SMPD3 (1.7)
ESRP2 (2.4)	IGF2R (2.3)
C7orf50 (2.3)	SLC39A13 (2.2)
CKAP5 (2.5)	DOK4 (2.4)
C1QTNF4 (2.0)	PIGV (1.9)
ANGPTL4 (2.6)	ENSG00000236267 (2
ETV5 (2.1)	LSM12 (2.0)
ETV5 (2.1)	LSM12 (2.0)
INTS10 (2.6)	LSM12 (2.5)
EPB42 (1.6)	TMEM208 (1.6)
KLHL8 (2.3)	DCPS (2.3)
PLA2G6 (2.2)	HARBI1 (1.9)
FBXL20 (2.4)	RAB11B (2.4)
NUP93 (3.2)	PSMC3 (3.1)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)

JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
JMJD1C (2.5)	KPNB1 (2.4)
RBPJ (1.8)	TTC39B (1.6)
DR1 (2.9)	ACD (2.9)
SNX13 (2.1)	RSPRY1 (2.1)
PDE3A (2.2)	DGAT2 (2.1)
NEUROD2 (2.2)	CELF1 (2.2)
SLC7A6OS (2.1)	PXK (2.0)
DUSP3 (2.4)	HNF1A (2.2)
AGBL2 (2.2)	MAFF (2.0)
TP53BP1 (2.5)	BCL7B (2.5)
CCL17 (1.3)	PVRL2 (1.3)
BBS2 (2.2)	ANGPTL4 (2.1)
CIAPIN1 (2.5)	OGFOD1 (2.4)
DDX28 (2.1)	TRIB1 (2.0)
GLUL (2.1)	LRP4 (2.1)
BAZ1B (2.3)	ARID1A (2.2)
CENPT (2.6)	NUP93 (2.6)
CENPT (3.3)	NUP93 (3.2)
MTMR3 (2.1)	SPG11 (2.1)
NLRC5 (2.3)	UVRAG (2.2)
TMED5 (2.1)	LPL (2.0)
WDR76 (2.3)	BUD13 (2.2)
DNAH10 (2.1)	JMJD1C (2.1)
LRRC29 (2.5)	CCNDBP1 (2.5)
BCAM (2.3)	KANK2 (2.2)
HARBI1 (1.9)	HNF1A (1.8)
SEC14L4 (1.9)	CES4A (1.8)
MPP3 (2.3)	GNAO1 (2.1)
DDB2 (2.5)	MTF2 (2.3)
TNKS (1.8)	AGBL2 (1.8)
KLHL8 (2.4)	ENSG00000247445 (2
CD300LG (2.1)	JMJD1C (2.0)
NCOA5 (2.8)	MFAP1 (2.8)
FAM192A (2.5)	SLC7A6OS (2.5)
CTDSPL2 (2.6)	THAP11 (2.6)
ZNF350 (2.3)	AFF1 (2.3)
SPI1 (1.9)	DPEP2 (1.8)
BUD13 (2.6)	POLR2C (2.6)
CD40 (2.0)	HARBI1 (2.0)
DYM (1.9)	DNAH10 (1.8)
DPEP3 (2.0)	TTC39B (2.0)
MST1R (2.1)	APOC3 (2.0)
CCL22 (2.0)	FADS2 (1.9)
DDB2 (2.2)	NUP93 (1.8)
SNX10 (2.1)	ENSG00000226645 (2
ENSG00000247445 (2	ENSG00000255507 (2
OR5J2 (1.9)	DOK4 (1.9)
DPEP2 (2.0)	MT1X (1.9)

TTC39B (2.1)	MTCH2 (2.1)
PTPRZ1 (1.9)	PYY (1.9)
NUP160 (2.6)	NUP93 (2.3)
TP53BP1 (2.6)	KPNB1 (2.5)
GRB7 (2.3)	CSGALNACT1 (2.0)
FBXL20 (2.3)	KPNB1 (2.3)
TTBK2 (2.2)	FAM192A (2.1)
JMJD1C (2.1)	MADD (2.1)
NOL3 (1.9)	ENSG00000226645 (1
RAB11B (2.4)	PPP1R1B (2.4)
AMBRA1 (2.3)	LSM12 (2.1)
NPEPPS (1.8)	ABCB9 (1.8)
CXXC1 (2.1)	ENSG00000254235 (2
SLC39A13 (2.0)	TBKBP1 (2.0)
PCSK7 (2.4)	PAFAH1B2 (2.3)
KCTD6 (1.6)	TSNAXIP1 (1.6)
MFAP1 (2.8)	BUD13 (2.7)
CETP (1.8)	ZNF614 (1.8)
RAB11B (1.9)	OR5J2 (1.9)
RLTPR (2.1)	TGM5 (2.1)
GRB7 (2.3)	DUSP3 (2.2)
PLA2G15 (2.2)	MPP2 (2.2)
C17orf57 (2.2)	ENSG00000236267 (1
CES4A (2.1)	TBL2 (2.1)
LILRA3 (2.0)	FZD9 (1.9)
ZNF408 (2.6)	PCIF1 (2.5)
ACP2 (2.1)	B3GNT9 (2.1)
ERBB2 (2.5)	ZNF335 (2.3)
ETV5 (2.0)	UBE2L3 (1.9)
PRMT7 (2.5)	RANBP10 (2.5)
PARD6A (1.9)	CCDC11 (1.9)
TMEM175 (2.6)	SLC7A6OS (2.5)
PLA2G6 (2.6)	MT1X (2.5)
SLC9A5 (2.1)	MST1R (2.0)
TBKBP1 (1.8)	TRPS1 (1.8)
OR5I1 (1.6)	NAGS (1.6)
FNBP4 (2.4)	PSMB10 (2.3)
FBXL20 (2.7)	DR1 (2.6)
MT1M (1.9)	EPB42 (1.9)
BAZ1B (2.9)	MBD1 (2.5)
BAZ1B (2.9)	MBD1 (2.5)
PIGV (1.9)	PCSK7 (1.8)
VEGFA (2.1)	CSGALNACT1 (2.1)
CXXC1 (2.7)	ARID1A (2.7)
TTC39B (1.9)	APOA5 (1.9)
C12orf43 (2.4)	EDC4 (2.4)
SPG11 (2.2)	DUSP3 (2.2)
DUS2L (2.9)	FAM192A (2.8)
ENSG00000226645 (1	ESRP2 (1.6)
TTBK2 (2.2)	ENSG00000226334 (2

MED1 (2.1)	C12orf43 (1.8)
MT1G (1.8)	MT1E (1.8)
TCAP (2.3)	GNAO1 (2.3)
NR1H3 (2.5)	SCARB1 (2.5)
UBE2L3 (2.6)	NCOA5 (2.6)
DOCK6 (2.2)	KANK2 (2.1)
CTRL (2.2)	C17orf105 (2.1)
FRMD5 (2.2)	CPNE2 (2.2)
CDK12 (2.5)	DUS2L (2.4)
NUP160 (2.6)	SLC7A6OS (2.6)
PCIF1 (2.7)	NCOA5 (2.6)
KCTD10 (2.3)	VEGFA (2.1)
NR0B2 (2.3)	APOA5 (2.1)
NR0B2 (2.3)	APOA5 (2.1)
NUDT21 (2.2)	E2F4 (2.2)
PXK (2.1)	MYO1H (2.1)
FHOD1 (1.9)	PITPNM2 (1.9)
CXXC1 (2.9)	POLR2C (2.8)
CCL17 (2.3)	MMAB (2.2)
ERBB2 (2.4)	ELMO3 (2.4)
ZNF335 (2.1)	CELSR2 (2.0)
TBKBP1 (2.1)	MIEN1 (1.9)
NUP93 (1.9)	DDB2 (1.9)
UVRAG (2.5)	MON1A (2.4)
NEUROD2 (1.9)	C1QTNF4 (1.8)
SNORD58C (2.1)	C7orf50 (2.0)
CD40 (2.1)	KPNB1 (2.0)
MVK (2.3)	FZD9 (2.2)
MST1R (2.3)	MT1X (2.2)
TRNP1 (2.1)	AMFR (2.0)
UBE2L3 (2.9)	KPNB1 (2.9)
CCDC92 (1.6)	ZSCAN29 (1.6)
TRNP1 (2.0)	SLC12A4 (2.0)
BCAM (1.9)	KLHL8 (1.8)
CD40 (1.9)	KBTBD4 (1.9)
GPR146 (2.0)	NAGS (1.9)
GPR146 (2.0)	NAGS (1.9)
UBE2L3 (1.8)	PPP1R1B (1.8)
NUP93 (2.4)	NUP160 (2.4)
NUP93 (2.0)	DDB2 (1.7)
ARHGAP1 (2.0)	ENSG00000182109 (2
UBE3B (1.9)	MT1X (1.8)
KLF14 (1.8)	ZNF350 (1.7)
FPR3 (1.9)	CASC4 (1.8)
POLR2C (2.8)	CIAPIN1 (2.7)
ENSG00000229043 (2	POLR2C (2.6)
LCMT2 (2.4)	KBTBD4 (2.4)
RAB11B (2.0)	ZDHHC18 (1.9)
ENSG00000223745 (2	CLPTM1 (2.2)
ZNF408 (2.4)	ERBB2 (2.2)

ENSG00000181123 (1	CCDC92 (1.8)
DOK4 (2.0)	NR1H3 (2.0)
FZD9 (2.2)	SPG11 (2.2)
NDUFS3 (3.1)	NOL3 (2.9)
C16orf48 (2.2)	BUD13 (2.1)
NUDT21 (2.4)	NUP93 (2.2)
XKR8 (2.0)	PPP1R1B (1.9)
ENSG00000182109 (2	MFAP1 (2.2)
CBFB (2.2)	ANGPTL4 (2.2)
MPHOSPH9 (1.9)	ACAA2 (1.9)
UBR1 (2.0)	SLC7A6 (1.9)
APOE (2.3)	SLC12A4 (2.3)
KIAA0754 (2.3)	BUD13 (2.3)
AFF1 (2.4)	ESRP2 (2.3)
PNMT (3.1)	MIEN1 (2.9)
GPAM (2.0)	SLC7A6 (1.9)
PTPRJ (2.3)	MST1R (2.3)
LCMT2 (2.1)	CCNDBP1 (2.1)
ERBB2 (2.2)	AMBRA1 (2.2)
C17orf105 (1.8)	ENSG00000181123 (1
CTDSPL2 (2.3)	SBNO1 (2.3)
CPS1 (2.6)	APOA5 (2.4)
LILRA3 (1.9)	CCL17 (1.9)
PPP1R1B (2.0)	NLRC5 (1.8)
NUP93 (1.9)	DDB2 (1.6)
MADD (2.1)	ELMO3 (2.1)
RBM5 (2.4)	CELF1 (2.4)
TGM7 (2.2)	NUDT21 (2.1)
PPIP5K1 (1.9)	SNX13 (1.9)
FAM192A (2.1)	C16orf48 (2.0)
NDUFS3 (2.8)	MIEN1 (2.7)
TGM7 (2.3)	SBNO1 (2.2)
HNF1A (2.0)	TRADD (1.9)
E2F4 (1.8)	ABCA1 (1.8)
ENSG00000223745 (1	DPEP3 (1.9)
C16orf86 (2.3)	NRBF2 (2.2)
DYM (1.7)	ABHD6 (1.7)
TUBGCP4 (2.3)	BACE1 (2.3)
ACD (2.9)	ARID1A (2.8)
BCL3 (2.4)	NEUROD2 (2.4)
BCL3 (2.4)	NEUROD2 (2.4)
BCL3 (2.4)	NEUROD2 (2.4)
C18orf32 (2.2)	PPIP5K1 (2.2)
HERPUD1 (2.9)	TMEM208 (2.5)
MADD (2.7)	JMJD1C (2.4)
RAB11B (2.0)	RSPO3 (1.9)
HNF4A (2.0)	CTRL (1.9)
TMEM208 (2.8)	MFAP1 (2.6)
C11orf49 (2.3)	DOK4 (2.2)
GPR146 (2.0)	COQ9 (1.9)

UBE2L3 (2.7)	NUP160 (2.7)
DOCK6 (2.0)	SOST (2.0)
RAB11B (1.9)	HSF4 (1.9)
POLR2C (2.7)	UBE2L3 (2.6)
MIEN1 (2.7)	NUP93 (2.7)
SPI1 (2.2)	BUD13 (2.2)
SIK3 (2.0)	ATG13 (1.8)
TECTB (1.5)	TMEM175 (1.5)
RBM6 (2.1)	FHOD1 (2.1)
HERPUD1 (2.3)	ZNF614 (2.3)
BACE1 (2.0)	MYO1H (2.0)
LRRC29 (1.9)	CATSPER2 (1.8)
PSKH1 (1.8)	CPNE2 (1.8)
XKR8 (2.5)	NCOA5 (2.4)
SPRYD5 (2.2)	PAFAH1B2 (2.1)
NUTF2 (2.6)	NUP93 (2.5)
MED1 (3.1)	PNMT (3.0)
KPNB1 (2.9)	SBNO1 (2.7)
MYO1H (2.3)	RAPSN (2.1)
POLR2C (2.7)	ENSG00000229043 (2
CTDSPL2 (2.0)	NUP93 (1.9)
ADAL (2.0)	KIAA0754 (1.8)
RANBP10 (2.6)	C16orf48 (2.5)
PPY (2.2)	EXOC3L1 (2.1)
KIAA0754 (2.7)	SLC12A4 (2.6)
ZNF408 (2.1)	G6PC3 (2.0)
MPP3 (1.7)	PSKH1 (1.7)
VEGFA (2.0)	STRC (1.9)
PXK (2.1)	CETP (2.1)
APOE (2.1)	CLPTM1 (2.1)
MON1A (2.2)	RSPRY1 (2.0)
CBFB (2.9)	POLR2C (2.6)
SMPD3 (2.2)	ZNF613 (2.0)
EIF3J (2.5)	NUP160 (2.4)
CYP2W1 (2.0)	NLRC5 (2.0)
MAP1A (2.3)	MPP2 (2.2)
MST1R (1.9)	ZNF664 (1.9)
ZNF614 (2.6)	TBL2 (2.5)
NUP93 (1.9)	NUP160 (1.7)
ZNF259 (2.6)	BUD13 (2.5)
NUP93 (1.9)	DDB2 (1.7)
DGKG (2.3)	BCAM (2.2)
SMPD3 (2.5)	MAP1A (2.2)
C17orf57 (2.7)	BCAM (2.5)
PCSK7 (3.1)	PGAP3 (2.6)
XKR8 (1.7)	RLTPR (1.7)
GRB7 (2.7)	CELSR2 (2.2)
SNX10 (2.1)	C11orf9 (2.0)
FPR3 (2.1)	SIK3 (2.1)
ABCB9 (2.0)	KLF14 (1.7)

JMJD1C (2.6)	OASL (2.4)
LSM12 (2.7)	ARID1A (2.6)
NUP93 (2.8)	NCOA5 (2.8)
TMEM208 (2.8)	FAM192A (2.8)
ENSG00000226645 (2	ENSG00000229043 (2
EDC4 (2.5)	KPNB1 (2.5)
MED1 (2.0)	RBPJ (1.9)
AFF1 (1.9)	CCDC116 (1.9)
MTF2 (2.8)	BUD13 (2.8)
MST1R (1.4)	TRADD (1.4)
OR5L2 (2.2)	NRBF2 (2.2)
CITED2 (2.2)	MACF1 (2.1)
ZNF408 (1.8)	EXOC3L1 (1.8)
PLEKHG4 (1.8)	C17orf57 (1.8)
SFN (2.1)	KPNB1 (2.0)
TTC39B (1.9)	C11orf9 (1.9)
MBD1 (2.4)	EDC4 (2.4)
ACAA2 (2.0)	CIAPIN1 (2.0)
MT1M (2.2)	CSGALNACT1 (2.0)
CIAPIN1 (3.2)	NDUFS3 (3.1)
MT1M (2.1)	MT1F (2.0)
NUP93 (1.6)	SETD8 (1.6)
ANGPTL4 (1.9)	PYY (1.9)
NR0B2 (2.3)	CPS1 (2.1)
NUP93 (2.0)	DDB2 (1.8)
SNX10 (1.6)	ENSG00000229043 (1
RBM6 (3.0)	DR1 (2.8)
GALNT2 (2.5)	DUSP3 (2.3)
MAFF (2.5)	AFF1 (2.4)
NUTF2 (2.1)	NDUFS3 (2.0)
ENSG00000236267 (1	MPP3 (1.7)
ACD (3.1)	POLR2C (3.0)
RBM5 (2.6)	CBFB (2.5)
NLRC5 (2.1)	CATSPER2 (2.0)
NUP93 (2.0)	NUP160 (1.8)
ENSG00000181123 (1	C16orf86 (1.5)
ZNF613 (2.2)	MTF2 (2.2)
BUD13 (2.5)	FAM192A (2.4)
ST3GAL4 (2.2)	CITED2 (2.2)
CCNDBP1 (1.4)	PTPMT1 (1.3)
NUP93 (2.9)	UBE2L3 (2.8)
C1orf172 (2.2)	BCAM (2.1)
NUP93 (1.9)	NUP160 (1.8)
SOST (2.0)	TSNAXIP1 (2.0)
SLC9A5 (2.3)	GPIHBP1 (2.1)
ENSG00000226645 (2	CSGALNACT1 (2.0)
UVRAG (2.6)	MPP2 (2.5)
VEGFA (1.9)	TTC39B (1.9)
ENSG00000226645 (2	DDX28 (2.5)
FAM192A (2.6)	NUTF2 (2.5)

NUP93 (2.7)	NUDT21 (2.7)
RAB11B (2.3)	ZNF335 (2.2)
TGM7 (3.1)	DOCK6 (3.1)
STRC (2.0)	CYP2W1 (2.0)
DOK4 (2.4)	ACD (2.2)
RSPO3 (2.1)	ENSG00000247867 (1
TNKS (2.2)	UBR1 (2.2)
UBR1 (2.1)	RSPRY1 (2.1)
CCL17 (2.4)	CX3CL1 (2.3)
SPRYD5 (1.8)	PVRL2 (1.7)
PYY (1.9)	PVRL2 (1.7)
ENSG00000247445 (2	GPIHBP1 (1.9)
NUP93 (1.9)	NUP160 (1.8)
AGBL2 (1.9)	PVRL2 (1.9)
TBKBP1 (2.1)	ZNF335 (2.1)
CKAP5 (2.0)	ELMO3 (2.0)
NUP93 (2.5)	SPG11 (2.5)
EDC4 (2.6)	TP53BP1 (2.5)
FRMD5 (1.7)	OR4A21P (1.7)
PIGV (1.9)	DPEP2 (1.9)
C1orf172 (2.0)	PVRL2 (2.0)
PSMB10 (2.2)	UBE3B (2.2)
APOA5 (3.0)	ZNF615 (2.5)
BUD13 (2.8)	CELF1 (2.6)
PTPRJ (1.9)	SNX13 (1.9)
NLRC5 (2.0)	CCL17 (2.0)
DCPS (1.9)	PGAP3 (1.9)
CYP2W1 (1.9)	OR4A21P (1.8)
CTDSPL2 (2.3)	GALNT2 (2.3)
NOL3 (2.2)	CYP26A1 (2.1)
NUP93 (1.9)	NUP160 (1.8)
RNF214 (2.1)	LILRB2 (2.1)
CBFB (2.0)	MTF2 (2.0)
CBFB (2.0)	MTF2 (2.0)
UBE2L3 (2.8)	NOL3 (2.8)
GRB7 (2.0)	RSPO3 (2.0)
KCTD10 (1.9)	GNAO1 (1.8)
C16orf70 (2.5)	THAP11 (2.5)
CELF1 (2.9)	BAZ1B (2.8)
EIF3J (2.6)	NUP93 (2.5)
PPP1R1B (2.0)	MMAB (1.8)
BACE1 (2.1)	MAP1A (2.1)
G6PC3 (3.5)	ERBB2 (3.5)
NUP93 (3.0)	DR1 (2.9)
NFATC3 (2.0)	RBM5 (2.0)
C18orf32 (2.2)	CYP2W1 (2.1)
PRMT7 (2.3)	FEN1 (2.2)
ARFGAP2 (2.2)	ZNF408 (2.2)
C1orf172 (1.9)	MIEN1 (1.8)
IGF2R (2.0)	PTPRZ1 (1.8)

TRADD (2.1)	BMP8A (2.0)
PSMB10 (2.6)	MAFF (2.5)
SEC14L4 (1.9)	PLA2G15 (1.9)
NUP93 (1.9)	NUP160 (1.8)
EDC4 (3.1)	MFAP1 (2.8)
CTDSPL2 (1.9)	DDB2 (1.9)
NUP93 (2.0)	DDB2 (1.9)
NUP93 (2.0)	DDB2 (1.9)
LILRA3 (2.4)	LILRB2 (2.2)
PACSIN3 (1.8)	SLC7A6 (1.7)
RLTPR (1.9)	XKR8 (1.7)
RLTPR (1.9)	XKR8 (1.7)
OR5J2 (2.1)	ZSCAN29 (2.1)
PLTP (2.2)	FPR3 (2.1)
MST1R (1.9)	C11orf9 (1.9)
FPR3 (2.1)	DDB2 (2.0)
PTPMT1 (3.1)	TMEM208 (2.8)
CKAP5 (2.3)	ZNF615 (2.3)
COBLL1 (2.2)	LIPG (2.2)
ACP2 (2.3)	RLTPR (2.0)
G6PC3 (2.0)	KIAA0754 (1.9)
GPER (2.3)	KCTD10 (2.2)
CD300LG (2.3)	DPEP3 (2.2)
TRIB1 (2.1)	SLC7A6OS (2.1)
MT1F (2.3)	TAGLN (2.2)
UBR1 (1.7)	RLTPR (1.7)
C12orf43 (2.5)	KCTD6 (2.5)
MON1A (2.0)	RELB (2.0)
NUP93 (2.0)	NUP160 (1.8)
GNAO1 (1.9)	BACE1 (1.8)
C16orf48 (2.3)	IGF2R (2.2)
SPRYD5 (2.5)	SLC12A4 (2.5)
C16orf70 (2.0)	DGKG (2.0)
ENSG00000179523 (2	COBLL1 (2.0)
RBM5 (2.9)	CELF1 (2.9)
SLC39A13 (2.1)	SLC12A4 (2.0)
CCNDBP1 (2.0)	CLPTM1 (1.9)
ZNF613 (2.4)	NEUROD2 (2.3)
NUP93 (1.9)	NUP160 (1.7)
NUP93 (2.0)	NUP160 (1.8)
JMJD1C (2.2)	MT1G (2.2)
NUP93 (1.8)	NUP160 (1.7)
MST1R (1.9)	TGM7 (1.8)
EDC4 (2.4)	JMJD1C (2.3)
NCOA5 (2.7)	CBFB (2.7)
CETP (2.0)	ZDHHC18 (1.9)
C16orf48 (2.4)	OGFOD1 (2.3)
MT1H (2.1)	SLC12A3 (2.0)
POLR2C (2.7)	UBE2L3 (2.6)
NUP93 (3.0)	C16orf48 (2.9)

NUP93 (1.9)	DDB2 (1.9)
SEC14L4 (2.3)	PITPNM2 (2.2)
NUP93 (2.0)	NUP160 (1.9)
NPEPPS (2.0)	MT1H (2.0)
SETD8 (2.0)	KIAA0895L (2.0)
NUP93 (1.9)	NUP160 (1.8)
CLPTM1 (1.9)	LRP4 (1.9)
SLC39A13 (1.8)	CSGALNACT1 (1.7)
MIEN1 (2.4)	C1orf172 (2.1)
REEP3 (2.6)	PNMT (2.5)
ENSG00000223745 (2	ENSG00000181296 (2
C12orf65 (2.1)	KCTD10 (2.1)
ZNF335 (2.4)	MBD1 (2.4)
INTS10 (2.6)	RBM6 (2.6)
CPNE2 (2.5)	CCDC92 (2.5)
PLG (2.6)	APOC4 (2.6)
RNF214 (2.1)	TTC39B (2.1)
NUTF2 (2.4)	PSMC3 (2.4)
EDC4 (2.8)	MTF2 (2.7)
CXXC1 (2.7)	CCNDBP1 (2.7)
CXXC1 (2.7)	CCNDBP1 (2.7)
CXXC1 (2.7)	CCNDBP1 (2.7)
DDX28 (2.2)	FRMD5 (2.2)
UBE3B (2.0)	DNAH10 (1.8)
ENSG00000182109 (2	ZNF613 (1.9)
CETP (1.9)	UBR1 (1.7)
SIK3 (2.6)	DR1 (2.5)
GPR146 (2.0)	HSF4 (1.9)
ZNF335 (2.7)	RAB11B (2.6)
MPHOSPH9 (2.7)	KPNB1 (2.7)
ZFAND2A (2.0)	UBE3B (2.0)
NUP93 (2.0)	NUP160 (1.9)
TRNP1 (2.1)	SLC12A3 (2.1)
DR1 (2.6)	C17orf57 (2.5)
MED1 (2.9)	KBTBD4 (2.9)
CX3CL1 (2.2)	GPIHBP1 (2.1)
CX3CL1 (2.2)	GPIHBP1 (2.1)
ARHGAP1 (2.7)	MPP2 (2.6)
FBXL20 (2.0)	GPER (2.0)
CKAP5 (3.0)	FEN1 (2.9)
ACAA2 (2.2)	CX3CL1 (2.1)
OGFOD1 (2.6)	TBL2 (2.6)
NUP93 (2.8)	DR1 (2.8)
LCMT2 (2.8)	POLR2C (2.8)
TRNP1 (2.0)	HCAR1 (1.9)
FEN1 (2.6)	POLR2C (2.6)
SLC12A4 (1.9)	EIF3J (1.8)
ERBB2 (1.7)	DNAH10 (1.7)
RBPJ (1.9)	BCL3 (1.9)
UBE3B (2.2)	OR5L2 (2.2)

STRC (1.9)	TMEM175 (1.9)
STRC (2.2)	ABHD6 (2.1)
ARHGAP1 (2.1)	PLTP (2.1)
CMIP (1.9)	CITED2 (1.8)
TP53BP1 (2.4)	NUP160 (2.4)
CCDC92 (2.3)	MIEN1 (2.1)
NUP160 (2.3)	EIF3J (2.2)
PTPMT1 (2.0)	SPI1 (1.8)
OGFOD1 (2.5)	SPG11 (2.5)
ZNF335 (2.4)	SNX13 (2.4)
PCIF1 (2.4)	CENPT (2.3)
CXXC1 (2.3)	PCIF1 (2.2)
SPG11 (2.4)	PPIP5K1 (2.4)
SPG11 (2.4)	PPIP5K1 (2.4)
SPG11 (2.4)	PPIP5K1 (2.4)
ARFGAP2 (3.1)	NOL3 (3.0)
ARFGAP2 (3.1)	NOL3 (3.0)
ARFGAP2 (3.1)	NOL3 (3.0)
OR4A1P (2.6)	CDK12 (2.6)
PXK (2.1)	HDAC5 (2.0)
VEGFA (2.1)	CYP2W1 (2.0)
SMPD3 (2.7)	TNKS (2.5)
APOA5 (1.8)	TUBGCP4 (1.8)
EYA3 (2.4)	PLEKHG4 (2.3)
NUP93 (1.8)	DDB2 (1.5)
TP53BP1 (2.4)	AFF1 (2.4)
KCTD19 (2.9)	PIGV (2.9)
TTC39B (2.1)	ENSG00000256746 (2
ST3GAL4 (2.2)	KPNB1 (2.0)
NCOA5 (1.9)	ABCA8 (1.9)
XKR8 (2.4)	PSMB10 (2.4)
PVRL2 (3.1)	MACF1 (2.3)
MPHOSPH9 (2.0)	SMPD3 (2.0)
ENSG00000182109 (2	C11orf49 (2.2)
ZNF613 (1.7)	CCDC92 (1.6)
TUBGCP4 (1.8)	GFOD2 (1.7)
TTC39B (2.1)	PAFAH1B2 (2.0)
BCL7B (1.9)	MADD (1.9)
MAP1A (2.2)	MT1G (2.2)
TP53BP1 (3.3)	INTS10 (2.8)
TUBGCP4 (1.8)	OR5I1 (1.6)
IGF2R (2.2)	RAB11B (2.2)
NDUFS3 (3.0)	EIF3J (2.9)
LCAT (1.9)	BACE1 (1.8)
KIAA0754 (1.9)	RNF214 (1.8)
KIAA0895L (2.0)	ENSG00000226645 (1
RSPRY1 (2.6)	TMEM208 (2.6)
EDC4 (2.7)	MFAP1 (2.7)
TGM7 (1.9)	ABCA8 (1.9)
PDE3A (2.2)	MYBPC3 (2.2)

NCOA5 (2.6)	KPNB1 (2.4)
APOC1 (2.1)	CPNE2 (2.0)
UBE2L3 (2.2)	C12orf43 (2.1)
ENSG00000182109 (1	CX3CL1 (1.8)
MTCH2 (2.8)	CENPT (2.7)
SETD8 (2.4)	MADD (2.4)
UBR1 (2.2)	BBS2 (2.1)
NUP93 (1.9)	NUP160 (1.8)
NUP93 (1.9)	NUP160 (1.8)
TBKBP1 (2.1)	NUP93 (2.1)
ENSG00000182109 (2	PNMT (2.1)
NAGS (1.9)	SMPD3 (1.8)
AGBL2 (1.9)	LRP4 (1.9)
BCL7B (2.4)	KBTBD4 (2.4)
HDAC5 (2.1)	CLPTM1 (2.0)
UBE2L3 (2.6)	BUD13 (2.6)
DCPS (2.6)	BCL7B (2.5)
TMEM175 (2.2)	FADS2 (2.2)
NUP93 (2.0)	NUP160 (1.8)
SETD8 (2.0)	NUP160 (1.9)
FBXL20 (2.1)	ENSG00000223745 (2
SLC9A5 (2.4)	CX3CL1 (2.3)
MYBPC3 (1.8)	TBKBP1 (1.8)
LILRB2 (1.9)	CELSR2 (1.9)
KCTD10 (2.0)	ZFAND2A (2.0)
MTMR3 (2.0)	NUP160 (1.9)
C16orf48 (2.9)	ACD (2.7)
NUP160 (1.9)	SKA1 (1.8)
UBE2L3 (2.8)	EDC4 (2.7)
UBE2L3 (2.8)	EDC4 (2.7)
UBE2L3 (2.8)	EDC4 (2.7)
FZD9 (2.1)	SPRYD5 (2.0)
BUD13 (2.6)	UBE2L3 (2.6)
TRNP1 (1.7)	CYP26A1 (1.6)
KCTD6 (2.2)	MAFF (2.1)
GPR146 (1.9)	PTPRZ1 (1.9)
SETD8 (2.0)	MPHOSPH9 (1.9)
NUP93 (2.5)	ACD (2.1)
RANBP10 (2.4)	AMFR (2.3)
MON1A (2.3)	PCSK7 (2.3)
PDIA3 (2.2)	SDF2L1 (2.1)
CXXC1 (2.8)	BUD13 (2.8)
RBM5 (2.6)	TRADD (2.5)
ENSG00000236267 (1	HNF4A (1.7)
EIF3J (2.3)	MVK (2.0)
TBKBP1 (1.8)	RSPO3 (1.8)
ESRP2 (2.4)	KIAA0754 (2.3)
KLF14 (1.9)	IGF2R (1.9)
MIEN1 (1.9)	ARFGAP2 (1.9)
CKAP5 (2.8)	LCMT2 (2.6)

RBM5 (2.5)	INTS10 (2.5)
MACF1 (2.8)	ZNF335 (2.7)
BCAM (2.0)	ESRP2 (1.9)
CCL22 (1.9)	BBS2 (1.9)
HNF4A (1.8)	MON1A (1.8)
TP53BP1 (2.6)	INTS10 (2.6)
TOMM40 (2.8)	NOL3 (2.7)
CETP (2.2)	PTPMT1 (2.1)
ABCA8 (1.6)	ENSG00000226645 (1
CLPTM1 (2.8)	TMEM101 (2.7)
CIAPIN1 (2.1)	DDX28 (2.1)
KLF14 (1.9)	ENSG00000182109 (1
C18orf32 (2.1)	TMEM208 (2.0)
NCOA5 (2.3)	TBKBP1 (2.2)
TMEM62 (2.2)	MFAP1 (2.1)
ZNF614 (2.6)	ZNF615 (1.9)
CELF1 (2.4)	CTDSPL2 (2.3)
PLEKHG4 (1.9)	MT1X (1.9)
UBE3B (2.1)	DNAH10 (2.1)
CCDC92 (1.7)	TBKBP1 (1.6)
SIDT2 (2.2)	DUS2L (2.1)
REEP3 (2.2)	PSKH1 (2.1)
DDB2 (2.0)	BCL3 (1.8)
PGS1 (2.1)	XKR8 (2.0)
ENSG00000179523 (2	ENSG00000226645 (1
XKR8 (2.0)	ZDHHC18 (1.9)
MT1F (1.7)	SLC22A1 (1.7)
DYM (2.8)	BBS2 (2.7)
BACE1 (2.0)	DUSP3 (1.9)
MPP2 (1.8)	C17orf105 (1.8)
COX19 (2.2)	CMIP (2.2)
LPL (2.1)	COQ9 (1.7)
ENSG00000247445 (1	APOA4 (1.8)
JMJD1C (2.1)	SNORD58C (2.0)
AMBRA1 (2.0)	NCOA5 (1.9)
KCTD10 (2.8)	C1orf172 (2.7)
SIDT2 (1.8)	SMPD3 (1.7)
C7orf50 (2.5)	ENSG00000179523 (2
CCDC116 (2.1)	DPEP2 (2.0)
MON1A (2.2)	ENSG00000181123 (2
CIAPIN1 (2.7)	RANBP10 (2.5)
B3GNT9 (2.3)	DCPS (2.1)
SETD8 (2.0)	RELB (1.9)
CBFB (2.6)	CIAPIN1 (2.6)
APOA4 (1.9)	FZD9 (1.9)
PVRL2 (2.4)	TBKBP1 (2.4)
MT1F (1.8)	MT1G (1.7)
ACD (3.0)	NUDT21 (2.9)
IGF2R (2.3)	MFAP1 (2.2)
B3GNT9 (1.8)	TMEM175 (1.8)

ACAA2 (2.0)	ABCA1 (2.0)
C17orf105 (1.8)	SEC14L4 (1.8)
TTBK2 (2.7)	C11orf49 (2.7)
MT1G (2.3)	MT1F (2.1)
UBE3B (2.0)	RBM6 (1.9)
NCOA5 (2.1)	LSM12 (2.1)
PCSK7 (2.1)	FPR3 (2.0)
ZNF615 (2.4)	GPN2 (2.4)
ZNF615 (2.4)	GPN2 (2.4)
ZNF615 (2.4)	GPN2 (2.4)
NUP160 (2.1)	ENSG00000226334 (2
OR5I1 (2.3)	NOL3 (2.3)
MPHOSPH9 (2.3)	MT1X (2.2)
C12orf65 (2.2)	KBTBD4 (2.2)
PITPNM2 (1.8)	SLC7A6 (1.8)
RSPO3 (1.8)	KIAA0754 (1.7)
CXXC1 (1.9)	BAZ1B (1.8)
SNX13 (2.8)	HARBI1 (2.7)
DNAH10 (2.3)	PLG (2.2)
G6PC3 (2.7)	MADD (2.5)
ARHGAP1 (2.4)	CELSR2 (2.3)
TOMM40 (2.7)	NUTF2 (2.7)
ENSG00000179523 (2	NOL3 (1.9)
MYO5B (1.8)	EXOC3L1 (1.7)
FEN1 (2.1)	MBD1 (2.1)
CSGALNACT1 (1.8)	ANGPTL4 (1.8)
MED1 (2.3)	DR1 (2.2)
EDC4 (2.1)	NCOA5 (2.0)
PGAP3 (2.8)	THAP11 (2.7)
CCDC92 (2.1)	DOK4 (2.1)
RANBP10 (2.5)	C12orf43 (2.5)
SLC7A6 (1.8)	MMAB (1.8)
ZDHHC18 (2.2)	MFAP1 (2.1)
UVRAG (2.3)	MTF2 (2.3)
NUP93 (1.9)	NUP160 (1.8)
TGM5 (1.8)	CCDC116 (1.8)
ENSG00000229043 (2	FAM192A (2.2)
VEGFA (2.1)	ETV5 (1.9)
PRMT7 (2.2)	GRB7 (2.1)
PTPRJ (2.0)	FHOD1 (1.9)
RSPRY1 (2.3)	ARFGAP2 (2.2)
ENSG00000247445 (2	SBNO1 (2.4)
CXXC1 (2.7)	TOMM40 (2.6)
TGM7 (2.0)	SIDT2 (1.9)
SPG11 (2.5)	GRB7 (2.3)
PVRL2 (2.1)	ABCA1 (2.0)
RBM6 (2.9)	UBE2L3 (2.9)
MYO5B (2.1)	CENPT (1.9)
AFF1 (1.7)	GNAO1 (1.7)
MTCH2 (2.0)	ZNF664 (2.0)

NUP160 (2.3)	SLC7A6OS (2.3)
TCAP (2.1)	PPY (1.9)
BUD13 (2.3)	RAB11B (2.3)
ARID1A (2.5)	AFF1 (2.4)
DPEP2 (1.9)	DOCK6 (1.8)
GFOD2 (1.9)	DUSP3 (1.8)
SPG11 (2.3)	ESRP2 (2.3)
CATSPER2 (2.0)	TMEM208 (1.9)
CBFB (2.3)	MON1A (2.2)
SLC7A6OS (2.6)	C12orf43 (2.6)
RELB (2.2)	CD40 (2.0)
NDUFS3 (2.6)	ENSG00000229043 (2
NDUFS3 (2.6)	ENSG00000229043 (2
SLC7A6 (2.5)	NUP160 (2.5)
NUP93 (1.9)	NUP160 (1.8)
POLR2C (2.6)	CIAPIN1 (2.5)
C19orf80 (2.9)	APOA4 (2.8)
COX19 (2.4)	UBE3B (2.4)
FAM192A (2.4)	NOL3 (2.3)
CDK12 (2.1)	NFATC3 (2.1)
MON1A (1.9)	TTBK2 (1.9)
ZNF614 (2.2)	DDB2 (1.9)
OGFOD1 (2.4)	NUP93 (2.2)
KBTBD4 (2.6)	NCOA5 (2.4)
B3GNT9 (2.5)	TRADD (2.2)
PPP1R1B (1.9)	GPR146 (1.9)
MTMR3 (2.1)	EYA3 (2.0)
ZSCAN29 (2.0)	MT1M (2.0)
CBFB (2.7)	NUP160 (2.7)
LCMT2 (2.4)	LSM12 (2.4)
CSGALNACT1 (1.6)	ENSG00000254235 (1
EDC4 (2.2)	CELF1 (2.1)
EDC4 (2.2)	CELF1 (2.1)
EDC4 (2.2)	CELF1 (2.1)
E2F4 (2.1)	COQ9 (2.1)
SNORD58C (2.3)	KPNB1 (2.3)
SNORD58C (2.3)	KPNB1 (2.3)
TGM5 (2.1)	ZFAND2A (2.0)
LILRA3 (2.0)	LILRB2 (2.0)
TMEM175 (1.9)	NUP93 (1.8)
CCL17 (2.3)	SPRYD5 (2.3)
NDUFS3 (2.5)	UBE2L3 (2.4)
KCTD19 (2.0)	COX19 (1.9)
SDF2L1 (2.6)	AMFR (2.6)
LPL (1.6)	NR1H3 (1.6)
BAZ1B (2.4)	NUP93 (2.2)
TTBK2 (2.1)	CMIP (2.1)
INTS10 (2.5)	RBM5 (2.5)
RSPRY1 (2.2)	FADS2 (2.1)
CCL17 (2.6)	CETP (2.3)

CITED2 (2.0)	NPEPPS (2.0)
FHOD1 (2.3)	DOK4 (2.3)
PLA2G15 (2.9)	C1orf172 (2.8)
PSMC3 (2.1)	NUP93 (2.1)
MLXIPL (2.3)	FBXL20 (2.2)
CETP (1.9)	LILRA3 (1.8)
CBFB (2.8)	EDC4 (2.7)
CX3CL1 (2.2)	SLC39A13 (2.1)
PITPNM2 (2.0)	DUSP3 (2.0)
ENSG00000226645 (2	TRADD (1.9)
MED1 (2.7)	CDK12 (2.6)
ETV5 (1.7)	EYA3 (1.6)
ZNF664 (2.6)	DUSP3 (2.5)
PDIA3 (2.2)	OR5J2 (2.1)
RNF214 (1.8)	CD300LG (1.8)
CIAPIN1 (2.7)	NDUFS3 (2.6)
GFOD2 (1.9)	FPR3 (1.9)
NOL3 (2.5)	MIEN1 (2.4)
PDE3A (2.0)	CPNE2 (2.0)
ZNF408 (2.0)	ENSG00000181296 (2
AFF1 (1.8)	RSPO3 (1.8)
PARD6A (2.1)	KCTD19 (2.1)
MLXIPL (1.8)	ENSG00000226645 (1
FBXL20 (2.1)	NFATC3 (1.9)
SIK3 (2.2)	CD300LG (2.1)
PLA2G6 (1.9)	MED1 (1.9)
ZFAND2A (2.2)	EPB42 (2.0)
PGAP3 (2.4)	TMEM62 (2.3)
DUS2L (2.1)	GPN2 (2.1)
PRMT7 (1.9)	NLRC5 (1.9)
ZFAND2A (2.4)	NUP160 (2.3)
ACP2 (2.0)	PITPNM2 (2.0)
POLR2C (2.8)	EDC4 (2.8)
ABHD6 (1.9)	RELB (1.8)
PXK (2.2)	ENSG00000226334 (2
OGFOD1 (2.4)	MON1A (2.4)
NUP93 (2.7)	PCIF1 (2.7)
RAPSN (1.8)	PDE3A (1.8)
CCL17 (1.8)	ZDHHC18 (1.8)
BCAM (2.4)	SFN (2.3)
AFF1 (1.8)	RANBP10 (1.8)
KLF14 (2.2)	CMIP (2.1)
SKA1 (2.8)	ACD (2.8)
MT1M (2.2)	TTC39B (2.1)
LCMT2 (2.4)	PRMT7 (2.4)
RBM5 (2.9)	EDC4 (2.9)
DR1 (2.6)	ACD (2.5)
NUP93 (2.3)	DDB2 (1.9)
PPP1R1B (2.4)	VEGFA (2.2)
NDUFS3 (1.9)	RBM6 (1.9)

UVRAG (2.0)	LILRA3 (2.0)
UVRAG (2.0)	LILRA3 (2.0)
ARFGAP2 (2.4)	SPI1 (2.3)
SLC9A5 (2.3)	RSPO3 (2.2)
EDC4 (2.3)	ENSG00000181123 (2
NUP93 (1.9)	NUP160 (1.8)
ENSG00000229043 (2	UBE2L3 (2.5)
CETP (1.8)	NRBF2 (1.7)
COX19 (1.9)	NRBF2 (1.8)
ENSG00000179523 (1	COBLL1 (1.8)
TRADD (2.1)	CD40 (2.0)
LSM12 (2.6)	E2F4 (2.5)
OR4A1P (1.9)	C1QTNF4 (1.9)
XKR8 (2.1)	NLRC5 (2.0)
E2F4 (2.4)	ZNF664 (2.4)
ZNF664 (2.2)	C17orf57 (2.1)
STRC (1.8)	PPIP5K1 (1.8)
SIK3 (2.5)	KANK2 (2.4)
MT1X (1.8)	MPP3 (1.8)
CTDSPL2 (2.6)	BUD13 (2.6)
C11orf9 (1.9)	AFF1 (1.8)
NRBF2 (2.0)	KCTD6 (2.0)
NUP93 (2.3)	NUP160 (2.0)
ARFGAP2 (2.5)	OGFOD1 (2.4)
ENSG00000226645 (1	ACP2 (1.8)
SFN (1.8)	ENSG00000179523 (1
C11orf9 (2.0)	DPEP3 (1.9)
CBFB (2.1)	MBD1 (2.0)
KPNB1 (2.3)	MPHOSPH9 (2.2)
KPNB1 (2.3)	MPHOSPH9 (2.2)
TRPS1 (2.4)	CELSR2 (2.1)
PXK (2.1)	CCDC11 (2.0)
C17orf57 (2.4)	CCDC11 (2.3)
TNKS (2.4)	THAP11 (2.3)
VEGFA (1.8)	TRNP1 (1.7)
FRMD5 (1.9)	SLC12A3 (1.9)
RSPRY1 (2.0)	KIAA0754 (2.0)
TBKBP1 (2.1)	MLXIPL (2.0)
TGM7 (2.2)	C12orf65 (2.2)
ENSG00000226645 (2	DR1 (2.0)
DDB2 (1.8)	PAFAH1B2 (1.8)
E2F4 (2.7)	THAP11 (2.6)
CXXC1 (1.9)	CCDC18 (1.9)
C1QTNF4 (1.7)	MT1G (1.7)
ENSG00000182109 (2	KCTD10 (2.0)
CCL17 (2.2)	SLC22A1 (2.1)
NUP93 (2.0)	DDB2 (1.9)
NR0B2 (2.1)	TOMM40 (1.9)
BMP8A (2.0)	CCL17 (1.7)
DDB2 (2.2)	MST1R (2.1)

UVRAG (2.1)	MACF1 (2.1)
NUTF2 (2.8)	POLR2C (2.7)
NUTF2 (2.8)	POLR2C (2.7)
NUTF2 (2.8)	POLR2C (2.7)
ARID1A (2.1)	NCOA5 (2.0)
NUP93 (1.8)	DDB2 (1.7)
LCMT2 (2.6)	ENSG00000179523 (2
ZDHHC18 (2.1)	CD40 (2.0)
PCIF1 (2.3)	EYA3 (2.1)
CMIP (1.8)	GFOD2 (1.8)
HNF4A (2.4)	SEC14L4 (2.4)
SNX10 (1.5)	MTF2 (1.5)
NR1H3 (1.7)	SLC12A4 (1.6)
NUP93 (3.0)	PCIF1 (3.0)
RBPJ (1.9)	ENSG00000254235 (1
ABHD6 (2.4)	UVRAG (2.4)
CD300LG (2.2)	SLC9A5 (2.1)
TP53BP1 (2.4)	UBR1 (2.3)
COQ9 (1.9)	KANK2 (1.8)
DDX28 (2.3)	NUP160 (2.2)
PLTP (2.1)	PTPRJ (1.9)
KLHL8 (2.0)	DR1 (2.0)
NFATC3 (2.1)	AMBRA1 (2.0)
NUP93 (2.5)	NUP160 (2.3)
RNF214 (2.4)	TMEM208 (2.4)
CCDC116 (2.0)	TMEM208 (2.0)
KCTD6 (2.8)	BUD13 (2.7)
FAM192A (2.3)	C18orf32 (2.3)
ACD (2.6)	NUDT21 (2.5)
PACSIN3 (2.5)	BACE1 (2.0)
ENSG00000254235 (2	CCDC11 (2.2)
ENSG00000254235 (2	CCDC11 (2.2)
MFAP1 (2.3)	LRP4 (2.2)
TTC39B (1.9)	EXOC3L1 (1.9)
DPEP2 (2.1)	DNAH10 (2.0)
ST3GAL4 (1.7)	HSF4 (1.6)
PACSIN3 (2.3)	BCAM (2.3)
UVRAG (1.9)	NUTF2 (1.9)
PSMC3 (2.7)	RELB (2.6)
SBNO1 (2.3)	TP53BP1 (2.2)
KANK2 (2.0)	SLC12A3 (2.0)
PRMT7 (3.2)	CBFB (3.0)
PTPRJ (2.0)	APOE (1.9)
AFF1 (2.1)	LILRA3 (2.0)
FPR3 (2.0)	ENSG00000223745 (2
UBE2L3 (2.7)	KPNB1 (2.7)
KCTD6 (1.8)	KLHL8 (1.8)
NUP93 (2.8)	NOL3 (2.8)
CXXC1 (2.3)	HARBI1 (2.3)
JMJD1C (2.2)	SNX13 (2.1)

MT1F (1.9)	AMBRA1 (1.9)
MMAB (1.9)	TRPS1 (1.8)
ERBB2 (1.8)	PTPRZ1 (1.8)
MPP2 (2.5)	GNAO1 (2.2)
SLC7A6OS (2.4)	ACD (2.3)
ETV5 (1.9)	CASC4 (1.8)
ST3GAL4 (2.2)	MST1R (2.1)
ENSG00000255507 (2	HDAC5 (2.2)
CYP26A1 (2.0)	KCTD19 (1.9)
GPIHBP1 (2.0)	PARD6A (1.8)
KCTD6 (1.9)	PVRL2 (1.8)
AMBRA1 (2.0)	KPNB1 (2.0)
ABCB9 (1.8)	KANK2 (1.8)
ENSG00000247445 (1	THAP11 (1.8)
FBXL20 (2.7)	PNMT (2.6)
PGS1 (1.6)	PCIF1 (1.6)
APOE (1.9)	MON1A (1.9)
INTS10 (2.7)	PRMT7 (2.5)
TAGLN (2.1)	MT1E (2.0)
REEP3 (1.8)	UBE3B (1.8)
ZNF335 (2.4)	ARHGAP1 (2.3)
SLC39A13 (2.0)	PSKH1 (1.8)
HERPUD1 (2.5)	ATG13 (2.4)
C1QTNF4 (2.5)	RLTPR (2.3)
PSMB10 (2.5)	UBE3B (2.4)
DUSP3 (2.3)	PAFAH1B2 (2.2)
COBLL1 (1.7)	CMIP (1.7)
PDHB (2.1)	GLUL (2.0)
UBR1 (2.6)	SDF2L1 (2.6)
ZFAND2A (1.8)	LRRC29 (1.7)
CXXC1 (2.8)	UBE2L3 (2.5)
DOCK6 (2.0)	KIAA0754 (1.9)
EDC4 (2.1)	KBTBD4 (2.1)
NUP93 (2.6)	TOMM40 (2.4)
SLC9A5 (1.8)	OR4A21P (1.7)
C1orf172 (2.0)	NEUROD2 (2.0)
DR1 (2.9)	RBM6 (2.9)
ZFAND2A (2.4)	ENSG00000179523 (2
PPY (2.1)	PNMT (2.1)
C12orf43 (2.4)	PRMT7 (2.4)
REEP3 (1.6)	ABHD6 (1.6)
HERPUD1 (2.2)	MAFF (2.2)
CTDSPL2 (2.4)	WDR76 (2.2)
CMIP (2.3)	ST3GAL4 (2.3)
LSM12 (2.4)	ZNF664 (2.3)
SCARB1 (1.8)	STRC (1.8)
C1QTNF4 (2.1)	NEUROD2 (2.1)
APOC4 (2.2)	MPHOSPH9 (2.1)
ARHGAP1 (2.0)	PXK (2.0)
SLC12A4 (2.3)	SETD8 (2.3)

NUP93 (2.9)	ZFAND2A (2.9)
KPNB1 (2.4)	RBM6 (2.3)
PCSK7 (1.8)	ACAA2 (1.7)
GALNT2 (2.7)	ACP2 (2.3)
PYY (1.9)	GNAO1 (1.8)
MACF1 (1.9)	IGF2R (1.8)
ENSG00000181296 (2	C16orf86 (2.2)
ENSG00000181296 (2	C16orf86 (2.2)
C18orf32 (2.3)	E2F4 (2.3)
MPP3 (1.7)	LPL (1.7)
MIEN1 (2.5)	PLA2G15 (2.4)
AMBRA1 (2.5)	UBE2L3 (2.4)
ARID1A (2.1)	RNF214 (1.9)
SETD8 (2.2)	C16orf48 (2.0)
E2F4 (1.9)	RAB11B (1.8)
DDB2 (2.4)	NUP93 (2.0)
PSMC3 (2.4)	ZNF408 (2.4)
DDX28 (2.3)	RBM6 (2.2)
RBM6 (2.5)	ARFGAP2 (2.4)
SNX10 (2.0)	MT1M (2.0)
PXK (2.1)	CD300LG (2.0)
KBTBD4 (2.3)	CASC4 (1.9)
CPS1 (2.4)	PYY (2.3)
DPEP3 (1.8)	FEN1 (1.8)
PRMT7 (2.4)	TOMM40 (2.3)
OR4A1P (1.8)	ATG13 (1.7)
RELB (2.0)	SPI1 (1.8)
CELSR2 (1.9)	LRP4 (1.8)
PYY (1.9)	FRMD5 (1.9)
TRNP1 (2.2)	HNF1A (2.2)
KPNB1 (2.6)	NUDT21 (2.6)
SNX10 (1.6)	KCTD6 (1.5)
DCPS (2.3)	SLC22A1 (2.2)
RSPO3 (2.0)	MYO1H (2.0)
C7orf50 (1.9)	TNKS (1.9)
MBD1 (2.0)	PVRL2 (2.0)
ENSG00000247445 (2	RBM6 (2.1)
ENSG00000247445 (2	RBM6 (2.1)
ENSG00000247445 (2	RBM6 (2.1)
SLC12A4 (2.1)	TAGLN (2.1)
LSM12 (2.3)	MTCH2 (2.2)
ENSG00000255507 (2	LRP4 (2.1)
INTS10 (2.5)	THAP11 (2.5)
ARHGAP1 (2.3)	LIPG (2.2)
MT1E (2.1)	MACF1 (2.0)
TMEM208 (2.3)	PPIP5K1 (2.2)
LRRC29 (2.4)	ZNF408 (2.4)
CTDSPL2 (2.6)	CENPT (2.6)
NUP93 (3.2)	C16orf48 (3.1)
ENSG00000254235 (2	TRADD (1.9)

GPN2 (2.5)	ACD (2.2)
RLTPR (1.8)	CYP2W1 (1.7)
DUS2L (2.4)	C12orf43 (2.4)
PIGV (2.0)	LPA (1.9)
CCL17 (2.0)	KIAA0895L (2.0)
OR5I1 (2.0)	EPB42 (2.0)
ETV5 (1.9)	CD40 (1.9)
NCOA5 (2.8)	NUP93 (2.7)
NCOA5 (1.8)	ARFGAP2 (1.6)
TRIB1 (1.9)	MST1R (1.9)
C12orf43 (2.3)	NCOA5 (2.2)
COX19 (2.1)	KIAA0895L (2.1)
LRRC29 (2.4)	BCAM (2.3)
TMEM208 (2.8)	NDUFS3 (2.6)
TMEM208 (2.8)	NDUFS3 (2.6)
PPP1R1B (2.0)	C11orf49 (2.0)
CIAPIN1 (2.6)	RANBP10 (2.5)
AMFR (2.6)	GALNT2 (2.6)
SNX10 (2.0)	LILRA3 (1.9)
MST1R (1.9)	C1orf172 (1.9)
ST3GAL4 (1.9)	SLC22A1 (1.8)
DOK4 (2.4)	ERBB2 (2.4)
CX3CL1 (2.0)	KIAA0754 (2.0)
DUSP3 (2.0)	MADD (2.0)
PSKH1 (2.1)	PVRL2 (2.0)
C19orf80 (1.9)	AMFR (1.8)
LIPG (2.5)	PLG (2.5)
COX19 (2.1)	LILRB2 (2.0)
ABCB9 (1.9)	ENSG00000256746 (1
MT1X (1.8)	LRP4 (1.8)
GPIHBP1 (1.7)	ABCA8 (1.6)
SPG11 (2.4)	COX19 (2.3)
DDX28 (2.5)	EIF3J (2.5)
MTMR3 (2.3)	CSGALNACT1 (2.3)
NOL3 (2.3)	FRMD5 (2.3)
UBE3B (1.8)	DNAH10 (1.8)
MT1H (2.1)	GALNT2 (2.0)
NUP160 (2.2)	EDC4 (2.2)
ANGPTL4 (2.3)	ABHD6 (2.2)
ANGPTL4 (2.3)	ABHD6 (2.2)
MT1G (1.7)	PIGV (1.6)
CIAPIN1 (2.8)	DEPDC1 (2.8)
CXXC1 (2.3)	GPER (2.3)
PVRL2 (2.0)	UBE2L3 (2.0)
DUSP3 (2.1)	RAPSN (1.8)
PXK (2.0)	ENSG00000247445 (1
PIGV (2.4)	PDE3A (2.4)
TRADD (2.1)	ENSG00000254235 (2
DDB2 (1.8)	NUP93 (1.8)
BUD13 (2.2)	CTDSPL2 (2.2)

OR4A21P (2.3)	PPIP5K1 (2.2)
THAP11 (2.6)	ACD (2.5)
THAP11 (2.6)	ACD (2.5)
THAP11 (2.6)	ACD (2.5)
RSPO3 (2.6)	TRPS1 (2.3)
CYP26A1 (2.5)	CITED2 (2.5)
GPER (2.1)	MADD (1.7)
ABCB9 (2.0)	MON1A (2.0)
RAB11B (2.0)	IGF2R (1.9)
KCTD6 (2.0)	LCMT2 (2.0)
CIAPIN1 (2.8)	NOL3 (2.7)
DDX28 (2.4)	NUP160 (2.4)
CELF1 (2.8)	KPNB1 (2.7)
CDK12 (2.6)	MFAP1 (2.5)
MT1M (3.0)	AGBL2 (2.9)
ABCA1 (1.7)	NEUROD2 (1.7)
DGKG (2.2)	ABCB9 (2.2)
GLUL (1.5)	ENSG00000181123 (1
MPHOSPH9 (2.1)	SNORD58C (2.1)
GPN2 (2.7)	E2F4 (2.6)
PSKH1 (3.5)	LRRC29 (3.3)
PNMT (2.5)	NR0B2 (2.3)
SMPD3 (2.1)	B3GNT9 (2.0)
E2F4 (2.5)	FAM192A (2.5)
E2F4 (2.5)	FAM192A (2.5)
E2F4 (2.5)	FAM192A (2.5)
MYBPC3 (2.0)	PSMB10 (1.9)
HARBI1 (2.4)	ENSG00000179523 (2
ENSG00000226334 (2	VEGFA (1.9)
TRNP1 (2.0)	C11orf49 (2.0)
TRNP1 (2.0)	C11orf49 (2.0)
TRNP1 (2.0)	C11orf49 (2.0)
MPP3 (1.9)	PYY (1.8)
DUS2L (2.7)	CCL17 (2.6)
DOK4 (2.0)	PPP1R1B (2.0)
CYP2W1 (1.9)	TRADD (1.9)
NCOA5 (2.7)	UBE2L3 (2.7)
SIDT2 (2.2)	APOE (2.2)
KCTD19 (2.3)	GALNT2 (2.3)
ZDHHC18 (1.7)	MYO1H (1.7)
ZNF259 (2.4)	MMAB (2.4)
NDUFS3 (2.8)	NUTF2 (2.6)
GRB7 (1.8)	C1orf172 (1.8)
UBE2L3 (2.2)	ADAL (2.1)
ATG13 (2.9)	C18orf32 (2.8)
ENSG00000255507 (2	APOA5 (2.0)
DUSP3 (2.2)	PTPRZ1 (2.0)
NFATC3 (2.3)	DEPDC1 (2.1)
DYM (2.2)	FAM192A (2.1)
MBD1 (1.8)	MT1G (1.6)

KLHL8 (2.4)	RNF214 (2.3)
CIAPIN1 (1.9)	NUP93 (1.9)
LILRA3 (2.2)	KPNB1 (2.2)
STRC (2.2)	ENSG00000226334 (2
BUD13 (2.7)	NUP160 (2.7)
ABHD6 (2.2)	KCTD19 (2.1)
PTPMT1 (2.6)	C18orf32 (2.4)
ENSG00000256746 (2	DGKG (1.8)
CXXC1 (2.6)	RBM5 (2.6)
GFOD2 (2.3)	GNAO1 (2.3)
CCDC11 (2.0)	ENSG00000255507 (2
FHOD1 (2.7)	PTPRJ (2.5)
MAP1A (1.8)	CELSR2 (1.7)
OR5I1 (2.1)	LRRC29 (2.1)
KIAA0895L (1.9)	SLC7A6 (1.8)
ENSG00000254235 (1	TRADD (1.8)
ENSG00000254235 (1	TRADD (1.8)
XKR8 (2.1)	RLTPR (2.1)
NUP160 (2.6)	NCOA5 (2.6)
BBS2 (2.3)	NPEPPS (2.3)
MIEN1 (2.0)	CCNDBP1 (2.0)
C17orf57 (2.5)	NDUFS3 (2.3)
TTC39B (1.9)	SPRYD5 (1.8)
JMJD1C (2.2)	DYM (2.1)
PPP1R1B (2.1)	PARD6A (2.1)
POLR2C (2.4)	NUP160 (2.4)
EDC4 (3.4)	ELMO3 (3.3)
PPP1R1B (2.1)	MPP3 (1.9)
SLC12A4 (2.0)	KANK2 (2.0)
NUP93 (2.2)	DDB2 (1.8)
SLC9A5 (2.1)	BCAM (2.1)
NFATC3 (1.9)	NPEPPS (1.7)
GPAM (1.6)	BACE1 (1.6)
OGFOD1 (2.5)	PAFAH1B2 (2.4)
C16orf48 (2.3)	RNF214 (2.1)
CCL17 (1.8)	ARID1A (1.8)
PITPNM2 (1.8)	GNAO1 (1.8)
MT1G (1.8)	G6PC3 (1.7)
PGS1 (2.1)	HSF4 (2.0)
CES4A (1.7)	DOK4 (1.7)
PYY (1.9)	ZFAND2A (1.9)
ZDHHC18 (2.0)	RLTPR (1.9)
CCL17 (2.2)	NAGS (2.2)
C16orf70 (2.8)	CIAPIN1 (2.8)
C16orf70 (2.8)	CIAPIN1 (2.8)
C16orf70 (2.8)	CIAPIN1 (2.8)
RAB11B (2.1)	C17orf57 (2.0)
NUTF2 (2.7)	ENSG00000229043 (2
ENSG00000256746 (1	LIPG (1.8)
FBXL20 (1.9)	TRADD (1.8)

ZNF613 (2.2)	CD300LG (2.2)
CCNDBP1 (1.9)	MT1H (1.7)
MPP3 (2.1)	POLR2C (2.1)
RBPJ (1.6)	ARID1A (1.6)
KCTD10 (2.0)	C12orf43 (1.9)
PPY (2.1)	TGM7 (2.0)
CD300LG (2.6)	FHOD1 (2.4)
SOST (1.9)	NCOA5 (1.9)
HNF1A (2.0)	PGS1 (2.0)
GPN2 (2.2)	PCIF1 (2.1)
PIGV (1.9)	CTRL (1.7)
ZNF408 (2.1)	UBE2L3 (2.1)
ACAA2 (1.6)	PGAP3 (1.6)
CELSR2 (2.3)	LIPG (2.2)
CCDC116 (2.1)	ABHD6 (2.0)
PIGV (2.0)	PTPMT1 (2.0)
ENSG00000254235 (2	HNF4A (2.0)
NUP160 (2.7)	CXXC1 (2.7)
PARD6A (1.8)	WDR76 (1.8)
NRBF2 (2.1)	CCDC18 (2.1)
MAP1A (2.2)	CATSPER2 (2.1)
NUP160 (2.6)	PCIF1 (2.5)
ZDHHC18 (1.9)	TBKBP1 (1.8)
TMEM62 (2.0)	HCAR1 (1.9)
CCDC116 (2.2)	ENSG00000223745 (2
EYA3 (2.2)	OASL (1.9)
CATSPER2 (1.5)	OR5I1 (1.4)
TOMM40 (1.9)	KPNB1 (1.9)
DUSP3 (1.9)	HSF4 (1.8)
ABCA8 (1.8)	SLC9A5 (1.8)
NUP160 (2.4)	YDJC (2.1)
PITPNM2 (2.5)	PLA2G15 (2.3)
FNBP4 (2.1)	SNORD58C (2.1)
FEN1 (3.0)	CIAPIN1 (2.7)
FEN1 (3.0)	CIAPIN1 (2.7)
TRNP1 (2.5)	ZNF335 (2.4)
REEP3 (2.1)	TMEM175 (1.8)
CDK12 (2.2)	RBPJ (2.2)
RELB (2.1)	NFATC3 (2.1)
MAFF (2.6)	LILRB2 (2.2)
IGF2R (2.4)	DUSP3 (2.3)
SNORD58C (2.1)	RSPO3 (2.1)
ZFAND2A (2.0)	HARBI1 (2.0)
UBR1 (2.1)	EIF3J (2.0)
FHOD1 (2.2)	GPER (2.2)
RLTPR (2.0)	CYP2W1 (2.0)
C16orf70 (2.6)	OGFOD1 (2.6)
NUDT21 (1.9)	ACD (1.8)
NUDT21 (1.9)	ACD (1.8)
CCDC92 (2.2)	CENPT (2.2)

CCDC92 (2.2)	CENPT (2.2)
SMPD3 (2.7)	GNAO1 (2.4)
CYP26A1 (2.2)	DR1 (2.2)
ENSG00000256746 (2	BBS2 (2.0)
BCAM (2.1)	CLPTM1 (2.0)
CDK12 (1.9)	EDC4 (1.9)
C18orf32 (2.9)	TBL2 (2.8)
KPNB1 (2.2)	NUP93 (2.2)
ABHD6 (2.2)	BCAM (2.0)
SLC39A13 (2.5)	ATG13 (2.5)
OGFOD1 (2.8)	NUTF2 (2.8)
TRIB1 (2.2)	MFAP1 (2.2)
YDJC (2.4)	C1QTNF4 (2.3)
CASC4 (2.0)	DUS2L (1.9)
TTBK2 (2.0)	NRBF2 (1.9)
DR1 (2.0)	BBS2 (1.9)
SOST (1.7)	CX3CL1 (1.6)
MT1G (2.3)	KLF14 (2.2)
HSF4 (1.8)	ENSG00000226645 (1
CPNE2 (1.9)	SLC12A3 (1.9)
MPP3 (1.9)	TMEM62 (1.9)
EDC4 (2.3)	FNBP4 (2.2)
SDF2L1 (3.0)	HERPUD1 (2.9)
CTRL (1.8)	HCAR1 (1.7)
CYP26A1 (2.5)	APOC4 (2.3)
LILRA3 (1.8)	ACP2 (1.7)
XKR8 (2.0)	NRBF2 (2.0)
ARHGAP1 (2.4)	NRBF2 (2.2)
CYP2W1 (2.0)	TBL2 (2.0)
CYP2W1 (2.0)	TBL2 (2.0)
CDK12 (2.2)	TBL2 (2.2)
LSM12 (2.6)	E2F4 (2.5)
LRP4 (1.9)	ENSG00000226645 (1
ACD (2.9)	NUDT21 (2.8)
EIF3J (2.8)	ARHGAP1 (2.5)
DOCK6 (2.0)	TBKBP1 (2.0)
CYP2W1 (2.4)	RSPO3 (2.2)
OGFOD1 (2.7)	NUDT21 (2.6)
NOL3 (2.2)	COQ9 (2.2)
LCMT2 (2.7)	CELF1 (2.7)
PLA2G15 (2.5)	CIAPIN1 (2.5)
LRP4 (1.7)	ENSG00000181296 (1
LILRA3 (2.4)	CCL17 (2.3)
KCTD6 (2.0)	PTPRJ (2.0)
OR4A21P (2.3)	MT1M (2.3)
ZFAND2A (2.7)	TMEM208 (2.6)
NUP93 (2.7)	NUTF2 (2.6)
CPS1 (2.0)	OR5L2 (2.0)
ZNF259 (2.4)	ACD (2.4)
ZNF259 (2.4)	ACD (2.4)

ZNF259 (2.4)	ACD (2.4)
BACE1 (2.6)	ARFGAP2 (2.6)
TP53BP1 (2.1)	PRMT7 (2.0)
BMP8A (1.8)	PDE3A (1.8)
NUP160 (1.9)	NUP93 (1.8)
NRBF2 (2.6)	TTBK2 (2.5)
BCL3 (2.5)	C11orf49 (2.4)
BCL3 (2.5)	C11orf49 (2.4)
BCL3 (2.5)	C11orf49 (2.4)
KCTD19 (2.2)	GLUL (2.2)
SDF2L1 (2.2)	PLA2G6 (2.2)
JMJD1C (1.9)	SLC7A6 (1.7)
CITED2 (1.9)	MYO5B (1.8)
ZNF664 (2.1)	SPG11 (2.1)
CD40 (2.5)	GPR146 (2.4)
HERPUD1 (2.3)	ABHD6 (1.8)
PIGV (2.1)	OR5L2 (2.0)
SLC39A13 (2.0)	PACSIN3 (1.8)
SLC7A6 (1.9)	BACE1 (1.6)
TSNAXIP1 (2.0)	ENSG00000247445 (2
ENSG00000226645 (2	DDX28 (2.2)
MON1A (2.0)	C18orf32 (1.8)
SIDT2 (2.2)	MT1G (2.1)
ANGPTL4 (2.0)	VEGFA (1.9)
BACE1 (1.9)	TRNP1 (1.9)
TRADD (2.3)	RELB (2.3)
HARBI1 (2.3)	MT1G (2.2)
GRB7 (2.5)	FAM192A (2.4)
BUD13 (2.8)	AMBRA1 (2.7)
SETD8 (2.5)	DR1 (2.5)
CATSPER2 (2.2)	HNF1A (2.1)
MTMR3 (2.1)	UVRAG (2.1)
MAFF (2.5)	CYP26A1 (2.3)
PARD6A (1.6)	CES4A (1.5)
DGKG (2.0)	PPP1R1B (1.9)
CYP2W1 (2.2)	CELSR2 (2.2)
HSF4 (2.4)	PTPRJ (2.4)
ZDHHC18 (2.1)	SLC12A4 (2.0)
TP53BP1 (2.5)	PDIA3 (2.2)
PSMB10 (2.2)	SPRYD5 (2.1)
ZNF259 (2.1)	BUD13 (2.1)
PACSIN3 (2.0)	ERBB2 (2.0)
ENSG00000181123 (2	PTPRZ1 (2.5)
C17orf57 (1.9)	CITED2 (1.9)
PPIP5K1 (2.8)	SLC12A3 (2.5)
SNX10 (1.8)	ACP2 (1.8)
MPP3 (2.2)	C17orf57 (2.2)
ETV5 (1.6)	ENSG00000236267 (1
CIAPIN1 (2.7)	NUP93 (2.6)
C11orf49 (2.6)	CKAP5 (2.5)

ARID1A (2.6)	DR1 (2.5)
GALNT2 (2.0)	SPG11 (1.8)
TMEM62 (2.1)	KBTBD4 (2.0)
ENSG00000223745 (2	ENSG00000229043 (2
SMPD3 (2.2)	RSPO3 (2.2)
PLA2G15 (1.9)	CELSR2 (1.9)
NDUFS3 (3.0)	WDR76 (2.8)
SFN (1.8)	TBKBP1 (1.8)
KCTD19 (2.1)	ENSG00000255507 (2
NUP93 (2.3)	NUDT21 (1.8)
UBE2L3 (2.6)	CENPT (2.5)
NUTF2 (2.2)	GPAM (2.1)
NUTF2 (2.1)	C11orf9 (2.1)
NUP93 (2.6)	NUDT21 (2.5)
TRIB1 (1.8)	RBPJ (1.8)
MPHOSPH9 (1.9)	COQ9 (1.7)
MADD (2.4)	SLC12A3 (2.3)
NFATC3 (1.9)	CCL22 (1.9)
GRB7 (2.0)	OR5I1 (2.0)
LPA (2.3)	CIAPIN1 (2.3)
NCOA5 (2.1)	CETP (2.0)
FRMD5 (1.8)	RSPRY1 (1.8)
TP53BP1 (2.3)	NPEPPS (2.3)
ZNF259 (2.6)	ENSG00000226645 (2
OR5L2 (2.3)	MYO1H (2.2)
NDUFS3 (2.5)	ENSG00000229043 (2
ENSG00000229043 (2	DOCK6 (2.1)
GFOD2 (2.0)	PIGV (2.0)
PAFAH1B2 (2.2)	AMBRA1 (2.2)
AMBRA1 (2.5)	DR1 (2.4)
ZDHHC18 (2.4)	SPI1 (2.4)
MBD1 (2.2)	C1orf172 (2.1)
LCMT2 (3.1)	POLR2C (3.0)
ZNF350 (2.3)	OR4A21P (2.2)
SPRYD5 (2.0)	MT1X (1.8)
MYO1H (2.4)	SLC39A13 (2.4)
FEN1 (2.1)	NUP93 (2.1)
ZNF335 (2.4)	HERPUD1 (2.4)
ZNF335 (2.4)	HERPUD1 (2.4)
ZNF335 (2.4)	HERPUD1 (2.4)
PPP1R1B (2.2)	MT1M (2.1)
MPHOSPH9 (1.9)	SIK3 (1.9)
CPNE2 (2.0)	ABHD6 (2.0)
SNX13 (2.2)	CCL17 (2.1)
OR4A1P (2.2)	JMJD1C (2.0)
RSPO3 (2.0)	TTBK2 (2.0)
CIAPIN1 (2.6)	MIEN1 (2.4)
E2F4 (2.2)	UBR1 (2.2)
RBM6 (1.8)	NUP93 (1.8)
TGM5 (2.0)	ENSG00000236267 (1

TRNP1 (1.8)	KIAA0895L (1.7)
FAM192A (2.5)	NCOA5 (2.4)
ZDHHC18 (2.1)	LILRB2 (1.8)
UBE3B (2.1)	RANBP10 (2.0)
KLHL8 (1.6)	ADAL (1.5)
KLF14 (2.1)	PLEKHG4 (2.0)
SLC9A5 (2.0)	ABCB9 (2.0)
FNBP4 (2.0)	MADD (2.0)
CCNDBP1 (2.2)	MED1 (2.2)
DYM (2.2)	GFOD2 (2.0)
PITPNM2 (2.0)	MAP1A (2.0)
CCDC116 (1.9)	OR4A1P (1.7)
ENSG00000182109 (2	MPP2 (2.1)
CLPTM1 (2.4)	ARHGAP1 (2.1)
NEUROD2 (2.0)	AMFR (1.9)
CIAPIN1 (2.8)	POLR2C (2.7)
G6PC3 (2.1)	BAZ1B (2.1)
ENSG00000179523 (2	UVRAG (2.5)
MT1X (2.2)	MT1M (2.2)
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
PGS1 (1.9)	ENSG00000255507 (1
YDJC (2.5)	SNORD58C (2.4)
NUP93 (2.7)	RBM5 (2.6)
HSF4 (2.2)	PTPRJ (2.2)
ENSG00000247867 (1	ETV5 (1.6)
SLC7A6 (1.9)	MT1H (1.7)
ENSG00000247445 (2	INTS10 (1.9)
MIEN1 (2.8)	FBXL20 (2.6)
EYA3 (2.6)	EDC4 (2.6)
EYA3 (2.6)	EDC4 (2.6)
OR4A21P (1.7)	DOCK6 (1.6)
UBE2L3 (2.0)	JMJD1C (2.0)
SLC7A6 (1.9)	DR1 (1.9)
BACE1 (2.1)	CCDC92 (2.1)
PSKH1 (2.3)	SIDT2 (2.2)
GFOD2 (2.7)	CCL17 (2.6)
ELMO3 (2.3)	MYO5B (2.2)
TGM5 (2.2)	CETP (2.0)
CTDSPL2 (2.7)	LCMT2 (2.5)
CD40 (2.8)	POLR2C (2.7)
TMEM101 (2.0)	FZD9 (2.0)
FPR3 (1.7)	B3GNT9 (1.6)
AMFR (1.9)	NAGS (1.9)
MYO1H (1.6)	PAFAH1B2 (1.5)
MACF1 (2.5)	KBTBD4 (2.4)

CYP2W1 (1.9)	OR4A21P (1.9)
MT1F (1.9)	C16orf86 (1.9)
SNX13 (2.4)	AMFR (2.4)
MYBPC3 (2.7)	PAFAH1B2 (2.7)
CYP2W1 (2.0)	NLRC5 (1.9)
BUD13 (1.6)	CCDC116 (1.6)
BUD13 (1.6)	CCDC116 (1.6)
RAB11B (2.2)	RLTPR (2.2)
NUTF2 (2.9)	TMEM208 (2.9)
WDR76 (2.0)	NRBF2 (1.9)
PLA2G6 (2.1)	MADD (2.0)
SCARB1 (2.1)	PPIP5K1 (2.1)
THAP11 (2.5)	BUD13 (2.5)
BMP8A (2.1)	CYP26A1 (2.1)
MPHOSPH9 (2.1)	DUSP3 (2.0)
KBTBD4 (2.7)	RBM6 (2.7)
ERBB2 (3.3)	MACF1 (2.8)
HSF4 (1.8)	GPR146 (1.8)
CPNE2 (1.7)	TECTB (1.7)
TMEM101 (2.5)	PSMC3 (2.3)
AGBL2 (1.8)	SLC7A6OS (1.8)
FADS2 (2.3)	CATSPER2 (2.3)
ZNF335 (2.2)	KCTD10 (2.1)
CASC4 (2.2)	CATSPER2 (2.1)
PDIA3 (2.0)	UBE2L3 (2.0)
SBNO1 (2.3)	DYM (2.2)
BUD13 (2.3)	OR4A1P (2.3)
INTS10 (2.5)	OGFOD1 (2.4)
COQ9 (1.9)	LCMT2 (1.8)
CCDC116 (2.0)	G6PC3 (1.9)
CPNE2 (1.8)	BAZ1B (1.8)
C11orf49 (1.9)	HERPUD1 (1.9)
CIAPIN1 (2.8)	DEPDC1 (2.4)
JMJD1C (2.2)	MT1G (2.2)
MBD1 (2.1)	FADS2 (2.1)
FNBP4 (2.3)	GPN2 (2.2)
BCL7B (2.8)	LSM12 (2.8)
CMIP (2.0)	KLF14 (2.0)
RBPJ (2.5)	COQ9 (2.3)
ARHGAP1 (1.9)	KCTD10 (1.8)
CCL17 (2.1)	SFN (2.1)
NAGS (2.1)	MT1X (2.1)
AFF1 (2.7)	EYA3 (2.6)
CX3CL1 (1.9)	MAP1A (1.8)
SLC12A4 (2.3)	TUBGCP4 (2.2)
NUP93 (2.8)	SDF2L1 (2.6)
PVRL2 (2.3)	ACD (2.2)
PRMT7 (2.7)	CKAP5 (2.7)
LIPG (2.6)	SLC7A6 (2.3)
PSMC3 (2.5)	SLC7A6 (2.5)

MTCH2 (2.4)	GPN2 (2.4)
LCMT2 (2.1)	COBLL1 (1.9)
PGAP3 (2.0)	BCL7B (1.9)
AFF1 (2.4)	GPIHBP1 (2.2)
REEP3 (1.9)	CENPT (1.9)
ENSG00000226334 (1	DOCK6 (1.6)
LIPG (1.5)	ENSG00000226645 (1
CIAPIN1 (3.0)	FAM192A (2.8)
PDIA3 (2.2)	TMEM208 (2.1)
MIEN1 (2.7)	NUTF2 (2.6)
CES4A (1.7)	TRPS1 (1.7)
CES4A (2.7)	SEC14L4 (2.6)
CENPT (3.1)	TP53BP1 (3.0)
CCNDBP1 (2.2)	ENSG00000256746 (2
FBXL20 (2.1)	NFATC3 (2.1)
RAB11B (2.2)	C12orf65 (2.2)
MPP2 (2.3)	C18orf32 (2.2)
FAM192A (2.9)	TMEM208 (2.9)
ETV5 (2.1)	ZNF350 (2.1)
CX3CL1 (1.9)	GNAO1 (1.9)
LILRA3 (2.3)	CYP2W1 (1.9)
CIAPIN1 (2.7)	MIEN1 (2.5)
ENSG00000247867 (1	GPN2 (1.6)
ZNF335 (1.9)	PDE3A (1.8)
ANGPTL4 (1.9)	LCAT (1.8)
ZNF664 (2.2)	DNAH10 (2.1)
ATG13 (2.1)	PACSIN3 (2.1)
CX3CL1 (2.2)	HSF4 (2.2)
SIDT2 (2.1)	SLC12A4 (2.1)
MT1E (1.7)	MT1X (1.7)
SIK3 (2.3)	HDAC5 (2.3)
SNX13 (2.2)	KIAA0754 (2.1)
LILRA3 (1.7)	ACP2 (1.6)
C11orf9 (2.2)	RLTPR (2.1)
OR4A21P (2.0)	PITPNM2 (2.0)
CENPT (2.2)	DUSP3 (2.0)
C17orf57 (2.1)	PCIF1 (2.1)
C1QTNF4 (1.9)	PTPRZ1 (1.8)
GNAO1 (2.2)	DUSP3 (2.1)
ZDHHC18 (2.0)	MPP3 (2.0)
KCTD10 (2.2)	ACP2 (2.1)
XKR8 (1.9)	RLTPR (1.9)
IGF2R (1.9)	CYP26A1 (1.9)
C17orf105 (1.7)	ZNF613 (1.7)
NPEPPS (2.2)	EYA3 (2.1)
PDIA3 (2.0)	C17orf57 (2.0)
PDIA3 (2.0)	C17orf57 (2.0)
C11orf49 (2.1)	OR5J2 (2.0)
CMIP (2.3)	GNAO1 (2.2)
PVRL2 (1.8)	ENSG00000226645 (1

NRBF2 (1.9)	PSKH1 (1.9)
PNMT (2.4)	ERBB2 (2.3)
MPHOSPH9 (2.2)	C16orf48 (2.1)
HERPUD1 (2.2)	TP53BP1 (1.9)
MED1 (2.4)	NPEPPS (2.3)
ST3GAL4 (2.1)	BCAM (2.0)
SLC39A13 (2.1)	VEGFA (2.0)
UVRAG (1.9)	ZNF664 (1.8)
UVRAG (2.4)	RNF214 (2.3)
EDC4 (2.7)	NUP160 (2.5)
NUP93 (2.9)	MFAP1 (2.9)
DEPDC1 (2.6)	CENPT (2.5)
TOMM40 (2.2)	CELF1 (2.1)
AGBL2 (2.6)	JMJD1C (2.6)
ADAL (2.7)	YDJC (2.5)
RAPSN (1.8)	CCL22 (1.7)
E2F4 (2.1)	HARBI1 (2.1)
BAZ1B (2.4)	CBFB (2.3)
TBL2 (2.0)	TMEM62 (2.0)
TECTB (1.5)	SLC7A6 (1.5)
EYA3 (2.0)	MT1G (2.0)
PPP1R1B (1.8)	BUD13 (1.6)
LILRA3 (2.1)	OR4A21P (2.0)
NOL3 (2.8)	POLR2C (2.7)
NOL3 (2.8)	POLR2C (2.7)
DOK4 (2.0)	ANGPTL4 (1.9)
HERPUD1 (1.8)	ADAL (1.8)
RELB (2.1)	ARFGAP2 (2.0)
CDK12 (2.0)	NLRC5 (2.0)
PSKH1 (2.1)	PPIP5K1 (2.1)
PSKH1 (2.1)	PPIP5K1 (2.1)
PSKH1 (2.1)	PPIP5K1 (2.1)
DOK4 (1.9)	LRP4 (1.8)
SCARB1 (1.6)	LPL (1.6)
TNKS (2.2)	TRNP1 (2.2)
SLC39A13 (1.8)	DOCK6 (1.8)
HARBI1 (2.7)	NDUFS3 (2.5)
GPER (1.8)	MT1G (1.8)
OR5J2 (2.2)	KANK2 (2.1)
YDJC (2.1)	RBM6 (2.0)
CXXC1 (2.4)	MTF2 (2.3)
ENSG00000254235 (2	DOK4 (2.0)
SIDT2 (2.3)	C16orf86 (2.3)
ARID1A (2.4)	BAZ1B (2.4)
ZNF614 (2.5)	SIDT2 (2.4)
ESRP2 (1.9)	FZD9 (1.8)
TCAP (2.9)	FHOD1 (2.9)
NFATC3 (2.6)	BAZ1B (2.6)
LRP4 (2.3)	MYO5B (2.2)
PPP1R1B (2.2)	TGM7 (2.2)

RBM6 (1.8)	ENSG00000256746 (1
ZNF615 (2.0)	HCAR1 (1.9)
CCDC11 (1.7)	COBLL1 (1.6)
MADD (2.2)	MACF1 (2.1)
C16orf48 (3.4)	DUS2L (3.3)
SOST (1.9)	STRC (1.9)
DPEP3 (1.9)	SLC12A4 (1.9)
DOCK6 (2.4)	SLC12A4 (2.3)
FNBP4 (2.5)	RBM5 (2.3)
TMEM208 (3.0)	PSMB10 (2.8)
FAM192A (2.8)	UBE2L3 (2.8)
ESRP2 (2.2)	ERBB2 (2.1)
RBPJ (2.1)	BCL3 (2.0)
THAP11 (2.3)	POLR2C (2.2)
THAP11 (2.3)	POLR2C (2.2)
PXK (2.1)	NLRC5 (2.0)
DUS2L (2.6)	C12orf43 (2.6)
PPIP5K1 (2.1)	MT1X (2.1)
UBE3B (1.8)	PAFAH1B2 (1.8)
PYY (2.7)	TTC39B (2.5)
APOE (2.2)	MADD (2.2)
SLC12A3 (2.3)	HNF4A (2.3)
SLC12A3 (2.3)	HNF4A (2.3)
SLC12A3 (2.3)	HNF4A (2.3)
PLTP (1.9)	DOK4 (1.7)
C12orf43 (2.5)	YDJC (2.3)
CD36 (2.3)	TTC39B (2.3)
RAPSN (2.2)	ENSG00000256746 (2
REEP3 (1.9)	G6PC3 (1.9)
NDUFS3 (2.7)	MIEN1 (2.7)
CLPTM1 (2.4)	PIGV (2.3)
NLRC5 (2.2)	OR5L2 (2.0)
MADD (1.7)	GPR146 (1.7)
PLA2G15 (1.9)	PITPNM2 (1.9)
MTMR3 (2.3)	EYA3 (2.3)
KLF14 (1.6)	GPIHBP1 (1.6)
TGM7 (2.1)	FZD9 (2.1)
MFAP1 (2.5)	RBPJ (2.4)
UBE3B (2.3)	KIAA0754 (2.3)
CD300LG (2.0)	GRB7 (1.9)
NUP160 (2.5)	GPN2 (2.4)
PYY (2.5)	TGM7 (2.3)
CD36 (1.7)	ZNF613 (1.6)
ADAL (1.8)	OR5J2 (1.8)
DOK4 (2.2)	PSKH1 (2.2)
TBKBP1 (2.0)	NAGS (2.0)
ZNF335 (2.4)	DUSP3 (2.3)
CD36 (2.6)	KANK2 (2.2)
CD36 (2.6)	KANK2 (2.2)
ACP2 (1.8)	C18orf32 (1.7)

RLTPR (1.9)	CMIP (1.9)
TMED5 (1.9)	LILRB2 (1.8)
FBXL20 (3.2)	BUD13 (2.8)
BMP8A (2.1)	SPG11 (2.0)
BMP8A (2.1)	SPG11 (2.0)
BMP8A (2.1)	SPG11 (2.0)
DNAH10 (2.0)	ZSCAN29 (2.0)
GPER (1.5)	ENSG00000247867 (1
GPER (1.5)	ENSG00000247867 (1
MAP1A (2.3)	AGBL2 (2.2)
JMJD1C (2.9)	EDC4 (2.9)
CCNDBP1 (2.6)	CXXC1 (2.5)
EXOC3L1 (2.2)	FHOD1 (2.1)
GPER (2.5)	SDF2L1 (2.3)
TOMM40 (2.3)	SBNO1 (2.3)
TOMM40 (2.3)	SBNO1 (2.3)
TOMM40 (2.3)	SBNO1 (2.3)
ACP2 (1.8)	ZNF614 (1.8)
MT1E (2.4)	CCDC18 (2.3)
ZNF614 (2.4)	BMP8A (2.4)
SIDT2 (2.1)	IGF2R (2.0)
STRC (1.7)	BACE1 (1.6)
DGKG (1.7)	APOA1 (1.7)
CIAPIN1 (2.9)	NUTF2 (2.9)
DOK4 (2.1)	NOL3 (1.9)
PPP1R1B (2.2)	CELF1 (2.0)
AFF1 (2.2)	BCL3 (2.2)
NUTF2 (2.7)	ZFAND2A (2.6)
TTBK2 (2.1)	UBR1 (2.0)
MTCH2 (2.9)	NUDT21 (2.8)
UVRAG (1.9)	GALNT2 (1.9)
C16orf70 (2.6)	SLC7A6OS (2.6)
TRNP1 (2.1)	NUTF2 (2.0)
KCTD10 (2.0)	TMEM175 (2.0)
JMJD1C (1.9)	MED1 (1.9)
MED1 (2.2)	NCOA5 (2.1)
ZFAND2A (2.7)	NRBF2 (2.7)
PCSK7 (2.1)	MIEN1 (2.1)
LRRC29 (1.8)	HNF1A (1.8)
MTMR3 (2.5)	SLC7A6OS (2.4)
ZNF408 (2.5)	SLC7A6OS (2.2)
UVRAG (2.3)	FAM192A (2.2)
CCDC92 (2.3)	TTBK2 (2.2)
C11orf9 (2.3)	GPIHBP1 (2.2)
FPR3 (1.8)	RAB11B (1.8)
NUDT21 (2.6)	BAZ1B (2.4)
CCNDBP1 (2.9)	MED1 (2.8)
TBKBP1 (2.2)	KIAA0754 (2.1)
B3GNT9 (2.4)	MPP2 (2.2)
LIPC (1.7)	PYY (1.7)

ZNF408 (2.8)	POLR2C (2.7)
STRC (2.0)	RLTPR (1.9)
PDIA3 (2.6)	BAZ1B (2.6)
GFOD2 (2.4)	C16orf70 (2.4)
HNF4A (2.0)	MACF1 (2.0)
HERPUD1 (1.8)	FBXL20 (1.7)
BUD13 (2.0)	PXK (1.9)
DUSP3 (2.0)	NPEPPS (1.9)
ZNF335 (2.6)	CLPTM1 (2.6)
CPNE2 (1.6)	UVRAG (1.6)
UVRAG (2.3)	CD40 (2.0)
TTBK2 (2.4)	SOST (2.2)
OASL (1.8)	LSM12 (1.8)
FPR3 (1.8)	SIDT2 (1.8)
SPG11 (2.4)	DUSP3 (2.3)
KPNB1 (2.4)	C16orf70 (2.3)
ENSG00000226645 (1	OR4A21P (1.6)
SBNO1 (2.6)	ACD (2.5)
UBR1 (1.8)	CETP (1.6)
SLC12A4 (1.9)	ENSG00000226645 (1
EYA3 (2.6)	RNF214 (2.4)
PACSIN3 (2.4)	CASC4 (2.4)
SBNO1 (2.0)	F2 (2.0)
CCDC18 (2.4)	C16orf70 (2.3)
PPIP5K1 (1.8)	CPS1 (1.8)
ENSG00000181296 (2	KCTD10 (2.3)
NUP160 (2.9)	UBR1 (2.9)
TMEM101 (2.5)	SOST (2.5)
DR1 (1.9)	APOE (1.9)
HERPUD1 (2.4)	RELB (2.2)
INTS10 (2.4)	IGF2R (2.4)
DR1 (2.5)	ENSG00000223745 (2
PLA2G15 (2.1)	TMEM175 (2.0)
TGM5 (2.6)	ESRP2 (2.6)
TMEM101 (1.8)	OR5I1 (1.8)
MTCH2 (2.2)	PDIA3 (2.1)
TMEM175 (1.9)	ABHD6 (1.8)
ACP2 (2.3)	CIAPIN1 (2.2)
CCDC116 (2.0)	PXK (2.0)
MLXIPL (1.9)	MT1G (1.7)
ELMO3 (2.3)	UVRAG (2.3)
RBM6 (2.7)	EDC4 (2.4)
GRB7 (2.1)	C1orf172 (2.1)
RBM6 (2.4)	YDJC (2.2)
XKR8 (1.9)	KCTD6 (1.9)
DDX28 (2.5)	NOL3 (2.2)
MADD (2.2)	PAFAH1B2 (2.2)
SLC12A3 (2.1)	MPP3 (1.9)
NUTF2 (3.1)	NDUFS3 (2.9)
PGAP3 (2.0)	SPRYD5 (2.0)

PTPMT1 (2.5)	DCPS (2.5)
MED1 (2.4)	PCIF1 (2.4)
APOE (2.1)	ABHD6 (1.9)
SPRYD5 (2.1)	CCNDBP1 (2.0)
CCL17 (2.5)	DR1 (2.4)
ACP2 (2.2)	BCAM (2.2)
LILRB2 (2.0)	GNAO1 (2.0)
ERBB2 (2.3)	GRB7 (2.2)
LRP4 (1.9)	DOCK6 (1.8)
NCOA5 (2.1)	MPHOSPH9 (2.1)
SIDT2 (2.1)	BMP8A (2.0)
BCL7B (2.5)	KLHL8 (2.5)
RSPRY1 (2.5)	HARBI1 (2.4)
EIF3J (2.2)	ZNF335 (2.1)
OR5L2 (2.2)	MAFF (2.2)
TBKBP1 (2.1)	TRIB1 (2.1)
CELF1 (2.6)	UBR1 (2.5)
PLEKHG4 (2.8)	MPHOSPH9 (2.5)
OR5L2 (1.9)	ABHD6 (1.9)
OR5L2 (1.9)	ABHD6 (1.9)
ZSCAN29 (2.0)	SKA1 (2.0)
BACE1 (2.2)	MPP3 (2.1)
KCTD6 (1.9)	EYA3 (1.8)
BCL3 (2.5)	ZDHHC18 (2.4)
BCL3 (2.5)	ZDHHC18 (2.4)
SLC9A5 (1.9)	TGM7 (1.9)
UBE2L3 (1.9)	KCTD10 (1.9)
OR4A21P (2.1)	MT1E (2.1)
E2F4 (2.5)	C18orf32 (2.4)
GLUL (2.0)	C11orf9 (2.0)
CIAPIN1 (2.7)	COX19 (2.3)
TBKBP1 (2.1)	TTBK2 (2.0)
GPR146 (1.7)	CD300LG (1.7)
ACD (2.2)	DUSP3 (2.2)
NUDT21 (2.2)	ZNF335 (2.2)
OR5L2 (1.9)	ENSG00000223745 (1
ENSG00000223745 (2	AMFR (2.2)
C12orf43 (2.1)	LCMT2 (2.1)
HNF4A (2.1)	MT1E (2.1)
SBNO1 (2.5)	PGS1 (2.3)
SOST (2.3)	OR5J2 (2.2)
DOCK6 (1.8)	ABHD6 (1.8)
FNBP4 (2.2)	UBE2L3 (2.2)
CCNDBP1 (2.5)	CTDSPL2 (2.5)
TP53BP1 (2.1)	PCIF1 (2.0)
LSM12 (2.0)	MAFF (1.9)
ARHGAP1 (1.8)	PLA2G6 (1.8)
RSPRY1 (2.6)	ZNF335 (2.5)
C12orf65 (2.1)	NPEPPS (2.1)
TMEM175 (3.2)	GALNT2 (2.9)

GPN2 (2.7)	E2F4 (2.5)
MT1G (2.5)	MT1H (2.4)
NPEPPS (2.3)	NCOA5 (2.3)
MON1A (2.1)	KBTBD4 (2.1)
GLUL (2.0)	CELF1 (2.0)
OASL (1.8)	CITED2 (1.7)
SOST (1.6)	CELSR2 (1.5)
MADD (2.2)	RNF214 (2.2)
MAP1A (1.9)	KCTD10 (1.8)
AGBL2 (2.5)	APOA5 (2.3)
DDX28 (2.2)	PRMT7 (2.1)
DDX28 (2.2)	PRMT7 (2.1)
DDX28 (2.2)	PRMT7 (2.1)
MBD1 (2.1)	DUS2L (1.8)
PACSIN3 (2.5)	ST3GAL4 (2.5)
ATG13 (1.7)	DGAT2 (1.7)
BBS2 (1.8)	DGKG (1.7)
KCTD10 (2.1)	CENPT (2.0)
BUD13 (2.0)	NUP93 (1.9)
ZNF408 (2.1)	PRMT7 (2.0)
DR1 (2.2)	ZNF664 (2.2)
CCL17 (1.8)	ENSG00000256746 (1
MBD1 (1.9)	COQ9 (1.8)
SLC12A4 (2.1)	CELF1 (2.0)
FZD9 (1.9)	SNX10 (1.7)
ZDHHC18 (2.1)	KIAA0754 (2.1)
NR0B2 (2.4)	CDK12 (2.4)
PYY (2.3)	HERPUD1 (2.2)
MPHOSPH9 (2.2)	TTBK2 (2.2)
ZNF614 (1.7)	REEP3 (1.7)
KLHL8 (2.6)	BAZ1B (2.3)
TRPS1 (2.0)	REEP3 (1.9)
C7orf50 (2.2)	INTS10 (2.2)
NUP93 (2.6)	UBE2L3 (2.5)
OR4A1P (1.9)	THAP11 (1.7)
OASL (1.6)	PTPMT1 (1.6)
MON1A (2.1)	JMJD1C (2.1)
YDJC (2.3)	ZNF408 (2.2)
NUTF2 (2.1)	GPN2 (2.1)
PNMT (2.3)	SEC14L4 (2.3)
ENSG00000181296 (2	LCAT (1.9)
GPER (1.7)	PAFAH1B2 (1.7)
RBM6 (2.6)	FNBP4 (2.4)
HSF4 (2.2)	GNAO1 (2.2)
DR1 (2.0)	CELF1 (2.0)
CLPTM1 (2.5)	TMED5 (2.3)
CTDSPL2 (2.5)	CKAP5 (2.4)
RSPO3 (2.3)	REEP3 (2.0)
NCOA5 (2.8)	EDC4 (2.8)
INTS10 (2.4)	BUD13 (2.3)

DPEP3 (1.9)	PLA2G6 (1.8)
ESRP2 (3.2)	ERBB2 (3.1)
TAGLN (1.8)	CCNDBP1 (1.7)
GNAO1 (2.1)	MACF1 (2.0)
CELF1 (2.5)	NCOA5 (2.5)
RAB11B (2.1)	SLC9A5 (2.1)
GPER (2.0)	TMED5 (1.9)
TBL2 (1.9)	ENSG00000247445 (1
DNAH10 (1.7)	UBE3B (1.5)
ACP2 (1.9)	DPEP2 (1.8)
LILRB2 (2.0)	UBE2L3 (1.9)
KCTD19 (1.7)	HSF4 (1.7)
SLC12A4 (1.8)	ENSG00000226334 (1
KCTD19 (2.0)	VEGFA (2.0)
RLTPR (2.0)	TTC39B (1.9)
BUD13 (2.4)	FBXL20 (2.4)
GRB7 (2.1)	RSPRY1 (2.0)
DUS2L (2.2)	TTC39B (2.1)
RBPJ (1.9)	PRMT7 (1.9)
HCAR1 (1.6)	CCDC92 (1.6)
TCAP (2.1)	DPEP3 (2.0)
GPN2 (1.8)	PARD6A (1.8)
DPEP3 (2.2)	RBM6 (2.1)
OGFOD1 (2.6)	C12orf43 (2.5)
PPIP5K1 (1.9)	NPEPPS (1.9)
DOCK6 (1.8)	BMP8A (1.8)
UBE3B (1.8)	ZSCAN29 (1.7)
UBE3B (1.8)	ZSCAN29 (1.7)
MT1H (3.1)	MPP3 (3.1)
PLA2G6 (2.3)	ZNF335 (2.2)
IGF2R (2.2)	GPER (2.1)
UBE2L3 (2.0)	ACP2 (1.9)
RNF214 (1.9)	ADAL (1.9)
ZNF335 (2.4)	MAP1A (2.3)
OGFOD1 (2.0)	PPIP5K1 (1.9)
DOCK6 (2.2)	C12orf43 (2.2)
C18orf32 (2.4)	PCSK7 (2.4)
CCNDBP1 (1.8)	C7orf50 (1.8)
NCOA5 (2.1)	C1QTNF4 (2.1)
BAZ1B (2.7)	SBNO1 (2.7)
ENSG00000247445 (2	DPEP3 (2.2)
ABCB9 (2.1)	ELMO3 (2.0)
RAPSN (2.2)	HCAR1 (2.1)
CIAPIN1 (2.6)	MIEN1 (2.5)
CIAPIN1 (2.6)	MIEN1 (2.5)
ABCB9 (2.8)	TMEM208 (2.8)
CYP2W1 (1.6)	GRB7 (1.6)
C7orf50 (2.6)	PRMT7 (2.5)
DCPS (2.6)	BUD13 (2.6)
MTCH2 (2.2)	LSM12 (2.1)

KIAA0754 (2.2)	UVRAG (2.1)
PPY (1.7)	C11orf9 (1.6)
ARHGAP1 (2.0)	CCDC18 (1.9)
CELSR2 (2.3)	MAP1A (2.3)
MST1R (1.9)	ZFAND2A (1.8)
RAB11B (2.4)	SIK3 (2.3)
NCOA5 (2.2)	KPNB1 (2.0)
CTDSPL2 (2.1)	CES4A (2.0)
ZDHHC18 (1.8)	C16orf86 (1.7)
BBS2 (2.1)	BAZ1B (2.0)
COX19 (2.0)	OASL (1.9)
HERPUD1 (2.2)	MT1G (2.2)
ENSG00000236267 (2	CCDC18 (1.9)
CTRL (2.0)	CD300LG (2.0)
NUP160 (2.6)	CKAP5 (2.3)
PGAP3 (2.2)	OGFOD1 (2.2)
DR1 (2.8)	MTF2 (2.7)
ZDHHC18 (1.8)	LPA (1.8)
NOL3 (2.1)	ACD (2.0)
ENSG00000254235 (1	ZSCAN29 (1.5)
ENSG00000254235 (1	ZSCAN29 (1.5)
ENSG00000226334 (1	DOK4 (1.5)
RNF214 (2.7)	LRRC29 (2.7)
NPEPPS (2.3)	KCTD10 (2.3)
UVRAG (2.3)	LILRA3 (2.3)
PDHB (1.6)	PLTP (1.6)
ABCA8 (2.0)	ADAL (1.9)
CBFB (2.0)	MTMR3 (2.0)
MST1R (1.9)	OGFOD1 (1.7)
HNF4A (2.7)	CPS1 (2.6)
GPN2 (2.3)	MIEN1 (2.3)
MON1A (2.2)	BUD13 (2.2)
MPHOSPH9 (2.4)	NUP93 (2.4)
TMEM208 (2.6)	ENSG00000247445 (2
BAZ1B (2.8)	NFATC3 (2.8)
RLTPR (2.2)	CMIP (2.2)
PCSK7 (2.9)	PDIA3 (2.9)
TRADD (1.7)	ABCA1 (1.6)
MT1G (2.1)	MT1M (2.0)
TTC39B (2.1)	CCL17 (2.1)
ENSG00000181123 (2	ST3GAL4 (2.3)
HDAC5 (2.1)	NPEPPS (2.1)
PCIF1 (2.5)	C16orf48 (2.5)
ENSG00000255507 (1	ENSG00000229043 (1
NUP160 (2.4)	OGFOD1 (2.3)
ZDHHC18 (1.8)	KCTD10 (1.8)
EXOC3L1 (1.6)	TBKBP1 (1.6)
G6PC3 (2.3)	CLPTM1 (2.1)
ZNF614 (1.9)	PGS1 (1.9)
MBD1 (2.1)	C12orf65 (2.1)

LCAT (1.7)	PPP1R1B (1.6)
FPR3 (1.9)	LIPG (1.9)
TP53BP1 (2.5)	LSM12 (2.5)
TP53BP1 (2.5)	LSM12 (2.5)
TP53BP1 (2.5)	LSM12 (2.5)
RLTPR (2.1)	CCL22 (2.0)
C7orf50 (2.5)	SNORD58C (2.5)
CENPT (2.3)	CTDSPL2 (2.3)
BACE1 (1.9)	ENSG00000229043 (1
CIAPIN1 (1.9)	NUP93 (1.9)
NRBF2 (2.4)	MIEN1 (2.4)
BUD13 (2.2)	ARID1A (2.1)
LILRB2 (2.1)	NR0B2 (2.1)
TRIB1 (1.8)	TP53BP1 (1.7)
NUTF2 (2.1)	TOMM40 (2.1)
BCL3 (2.0)	RELB (2.0)
TOMM40 (2.5)	COQ9 (2.4)
TNKS (2.6)	CTDSPL2 (2.6)
TRIB1 (2.0)	GNAO1 (2.0)
LILRB2 (2.0)	AMBRA1 (2.0)
COQ9 (2.1)	PTPMT1 (2.1)
RBM6 (2.4)	GPN2 (2.3)
CELF1 (2.0)	TNKS (2.0)
NLRC5 (2.1)	ENSG00000236267 (2
CPNE2 (1.9)	ENSG00000181123 (1
MTMR3 (2.4)	RSPRY1 (2.4)
MYO5B (1.9)	MACF1 (1.8)
DDX28 (2.5)	SLC7A6OS (2.3)
MIEN1 (1.9)	TMEM62 (1.8)
CCL22 (2.2)	MT1M (2.1)
DDX28 (1.9)	EIF3J (1.8)
DUSP3 (2.4)	SIDT2 (2.1)
PPIP5K1 (2.2)	MON1A (2.0)
SNORD58C (3.4)	OGFOD1 (3.4)
FZD9 (2.1)	EXOC3L1 (2.1)
E2F4 (2.1)	LCMT2 (2.1)
E2F4 (2.1)	LCMT2 (2.1)
CYP26A1 (2.2)	OR4A21P (2.2)
TGM7 (1.8)	CSGALNACT1 (1.8)
C16orf48 (3.5)	MFAP1 (3.3)
EXOC3L1 (2.2)	KANK2 (2.1)
PDIA3 (2.0)	BCL3 (2.0)
NPEPPS (2.2)	LILRB2 (2.2)
ENSG00000247445 (1	TGM5 (1.6)
C11orf9 (1.9)	OR5L2 (1.9)
C1orf172 (2.3)	RSPO3 (2.2)
MBD1 (3.3)	ENSG00000182109 (3
TP53BP1 (2.7)	SETD8 (2.7)
TP53BP1 (2.7)	SETD8 (2.7)
TBKBP1 (2.0)	ACP2 (1.9)

STRC (2.3)	SMPD3 (2.2)
SFN (2.8)	FADS1 (2.7)
G6PC3 (2.8)	CASC4 (2.7)
THAP11 (2.1)	EIF3J (2.0)
OR4A1P (1.9)	DOK4 (1.8)
SLC39A13 (2.0)	ZNF614 (2.0)
GPAM (1.6)	C1QTNF4 (1.6)
NPEPPS (2.2)	SLC9A5 (2.1)
ZDHHC18 (1.9)	CCDC11 (1.9)
THAP11 (1.9)	ARID1A (1.9)
TRADD (2.2)	LIPC (2.1)
OGFOD1 (2.3)	C12orf43 (2.3)
ENSG00000236267 (1	TRNP1 (1.9)
PTPRZ1 (1.8)	LRRC29 (1.7)
ZDHHC18 (2.1)	KLF14 (2.0)
ZDHHC18 (2.1)	KLF14 (2.0)
THAP11 (2.0)	CBFB (2.0)
GALNT2 (2.4)	ESRP2 (2.3)
PXK (2.3)	HCAR1 (2.2)
TGM7 (2.2)	PTPRZ1 (2.0)
MIEN1 (2.5)	PTPMT1 (2.4)
SNORD58C (1.9)	PDIA3 (1.9)
NUP93 (3.0)	NOL3 (3.0)
LCMT2 (2.7)	BUD13 (2.7)
ARID1A (2.4)	MTF2 (2.3)
BMP8A (1.6)	OR5J2 (1.5)
ZNF408 (2.0)	RAB11B (1.9)
PIGV (2.1)	KCTD10 (2.1)
SLC7A6OS (2.1)	ENSG00000223745 (2
CYP26A1 (2.3)	UVRAG (2.3)
GNAO1 (2.1)	PITPNM2 (2.0)
CDK12 (2.7)	NFATC3 (2.6)
LCMT2 (2.3)	GPN2 (2.2)
PSKH1 (1.4)	MT1H (1.4)
NUDT21 (2.4)	NUTF2 (2.3)
C11orf49 (2.1)	PTPRJ (2.1)
TMED5 (2.7)	G6PC3 (2.6)
CPS1 (2.0)	AMFR (2.0)
ENSG00000254235 (1	SLC7A6OS (1.6)
CD300LG (1.9)	SOST (1.8)
TUBGCP4 (2.1)	NUP160 (2.0)
LILRA3 (1.8)	ENSG00000236267 (1
PDHB (2.1)	DCPS (2.0)
CATSPER2 (2.2)	CKAP5 (2.2)
PTPRJ (2.3)	SLC12A4 (2.2)
RBM6 (2.7)	WDR76 (2.6)
RBM6 (2.7)	WDR76 (2.6)
STRC (2.1)	BMP8A (2.1)
NCOA5 (2.5)	CBFB (2.5)
MIEN1 (2.7)	NUTF2 (2.6)

CDK12 (2.4)	FNBP4 (2.3)
PLA2G15 (2.1)	PPIP5K1 (2.1)
MTMR3 (2.4)	BCL3 (2.4)
MYO5B (2.4)	CELF1 (2.4)
CXXC1 (2.2)	SBNO1 (2.1)
SNX10 (1.9)	SLC39A13 (1.9)
C11orf9 (1.5)	PTPMT1 (1.4)
ARID1A (2.5)	ZNF664 (2.5)
NPEPPS (2.2)	MBD1 (2.2)
EDC4 (1.9)	UBE3B (1.9)
SCARB1 (2.1)	ZNF408 (2.1)
C18orf32 (2.0)	PSMB10 (1.9)
C18orf32 (2.0)	PSMB10 (1.9)
C16orf48 (2.5)	MTF2 (2.5)
TSNAXIP1 (2.2)	ENSG00000236267 (2
GPR146 (2.3)	LPL (2.3)
TMEM62 (2.3)	PLA2G15 (2.2)
ENSG00000181123 (2	UBE3B (2.1)
PPP1R1B (1.8)	CYP26A1 (1.7)
HSF4 (2.4)	CCDC92 (2.4)
SPI1 (2.2)	PLA2G6 (2.2)
CIAPIN1 (3.0)	NUP93 (2.9)
BCL7B (2.8)	NFATC3 (2.8)
NOL3 (2.0)	LCAT (1.9)
SLC12A3 (1.9)	C16orf86 (1.9)
KCTD19 (1.8)	GFOD2 (1.7)
DCPS (2.2)	KPNB1 (2.2)
CITED2 (1.9)	OR4A21P (1.9)
AMBRA1 (1.8)	BUD13 (1.8)
PIGV (1.7)	TGM7 (1.6)
RSPO3 (1.6)	JMJD1C (1.6)
MPP2 (1.8)	CCDC92 (1.8)
OR4A21P (2.0)	DPEP3 (1.9)
CCL17 (2.4)	SIK3 (1.9)
TOMM40 (2.1)	DUSP3 (2.1)
E2F4 (1.8)	SIK3 (1.8)
SLC7A6OS (1.8)	ETV5 (1.8)
SNX13 (1.6)	TRIB1 (1.6)
CKAP5 (2.4)	BAZ1B (2.4)
UVRAG (1.9)	CD40 (1.9)
PTPRJ (2.4)	MAFF (2.3)
OR4A21P (2.2)	ENSG00000181123 (2
DNAH10 (2.1)	SLC7A6 (2.1)
NUTF2 (3.0)	WDR76 (2.8)
SNORD58C (2.3)	NR0B2 (2.2)
SNORD58C (2.3)	NR0B2 (2.2)
MT1M (2.1)	TNKS (2.0)
TRADD (2.3)	CSGALNACT1 (2.2)
KLF14 (2.0)	GPR146 (2.0)
ARFGAP2 (2.8)	ATG13 (2.5)

TAGLN (2.1)	SETD8 (1.9)
OR4A1P (2.0)	SIDT2 (1.9)
DCPS (2.8)	EIF3J (2.8)
KCTD19 (2.2)	EPB42 (2.1)
SNORD58C (1.8)	CLPTM1 (1.8)
ZNF408 (1.7)	TRIB1 (1.7)
UBE2L3 (2.7)	NOL3 (2.7)
SNX13 (2.1)	ENSG00000247445 (1
ZFAND2A (2.5)	TUBGCP4 (2.5)
CCDC11 (2.0)	C1orf172 (1.9)
SNORD58C (1.8)	ZNF614 (1.7)
EYA3 (1.9)	MFAP1 (1.9)
EDC4 (2.4)	RBM5 (2.3)
C7orf50 (2.3)	C12orf43 (2.3)
MON1A (2.1)	KLHL8 (2.1)
ENSG00000179523 (1	LCMT2 (1.8)
JMJD1C (2.6)	CDK12 (2.6)
OGFOD1 (2.4)	SLC7A6OS (2.4)
NCOA5 (2.4)	MON1A (1.9)
ZNF614 (2.1)	APOA4 (2.1)
GFOD2 (1.7)	LILRB2 (1.7)
PRMT7 (2.8)	LCMT2 (2.6)
PRMT7 (2.8)	LCMT2 (2.6)
PRMT7 (2.8)	LCMT2 (2.6)
PXK (2.2)	DYM (2.1)
CXXC1 (2.2)	TGM5 (2.0)
PYY (1.8)	OR5J2 (1.8)
PRMT7 (2.6)	ENSG00000226645 (2
DUS2L (2.4)	GPN2 (2.3)
ARFGAP2 (2.5)	ARID1A (2.5)
OR4A21P (1.8)	CCL17 (1.7)
LIPG (1.7)	SPG11 (1.7)
EDC4 (2.2)	DDX28 (2.1)
GPR146 (1.6)	SLC7A6 (1.5)
C18orf32 (1.7)	RBPJ (1.6)
PLA2G6 (2.3)	HDAC5 (2.1)
TRPS1 (1.8)	TGM7 (1.8)
MT1H (1.6)	TBKBP1 (1.5)
EXOC3L1 (2.1)	SBNO1 (2.0)
PTPMT1 (1.8)	ZNF350 (1.7)
OGFOD1 (2.5)	DUS2L (2.3)
MPP3 (2.2)	HDAC5 (2.1)
UBR1 (2.2)	SNORD58C (2.0)
SLC7A6 (2.6)	PDIA3 (2.5)
ARID1A (1.9)	CX3CL1 (1.9)
ACP2 (2.0)	MYO5B (1.9)
SNX10 (1.8)	EDC4 (1.8)
ERBB2 (3.1)	LIPG (2.5)
TMEM62 (2.2)	SCARB1 (2.2)
TRADD (3.4)	CENPT (3.4)

ENSG00000181296 (1	SIK3 (1.8)
NUTF2 (2.7)	MIEN1 (2.6)
DUSP3 (1.8)	ZNF613 (1.7)
RBM6 (2.5)	NUP160 (2.5)
KANK2 (2.0)	ENSG00000181296 (1
LSM12 (2.2)	SLC7A6 (2.2)
BACE1 (2.2)	CELF1 (2.2)
ZNF408 (3.0)	ACD (2.9)
SIK3 (2.3)	CMIP (2.2)
DOK4 (1.9)	MBD1 (1.9)
C17orf57 (1.9)	UVRAG (1.7)
ZNF615 (2.8)	TGM7 (2.8)
NPEPPS (2.0)	C18orf32 (2.0)
KCTD10 (2.4)	AMBRA1 (2.4)
CDK12 (1.9)	AMBRA1 (1.9)
WDR76 (1.5)	ENSG00000255507 (1
BCAM (2.2)	FZD9 (1.7)
MPP3 (1.8)	MPHOSPH9 (1.8)
MACF1 (2.0)	TP53BP1 (2.0)
PAFAH1B2 (2.1)	COBLL1 (2.1)
MACF1 (2.0)	PACSIN3 (2.0)
ZFAND2A (1.9)	TMEM62 (1.9)
MED1 (2.7)	ACD (2.7)
G6PC3 (2.1)	TGM7 (1.9)
C1orf172 (1.9)	TRPS1 (1.8)
SPG11 (2.4)	RBPJ (2.1)
NUP160 (2.3)	RBM6 (2.3)
PRMT7 (4.3)	CIAPIN1 (4.3)
PRMT7 (4.3)	CIAPIN1 (4.3)
PLEKHG4 (2.3)	UBR1 (2.2)
KIAA0754 (1.6)	PARD6A (1.6)
COBLL1 (1.8)	OR5L2 (1.8)
NR0B2 (2.1)	ZNF614 (2.0)
FHOD1 (2.1)	DYM (2.1)
OR5L2 (2.0)	KCTD19 (1.9)
LRP4 (1.9)	ENSG00000247867 (1
MBD1 (1.7)	TGM7 (1.6)
SIDT2 (2.0)	KANK2 (2.0)
C1QTNF4 (1.8)	SNX10 (1.8)
AFF1 (2.0)	FBXL20 (1.9)
PPP1R1B (2.3)	GPER (2.2)
ENSG00000254235 (1	SLC7A6OS (1.8)
MTMR3 (1.6)	NOL3 (1.6)
UBR1 (1.9)	MTMR3 (1.9)
MT1G (2.0)	DGAT2 (1.9)
TTC39B (1.9)	ADAL (1.8)
PGAP3 (2.0)	PCSK7 (2.0)
MT1E (1.8)	TP53BP1 (1.8)
RAPSN (1.9)	RAB11B (1.8)
CTDSPL2 (3.0)	UBR1 (2.9)

MYO5B (2.3)	ZNF615 (2.3)
ESRP2 (2.1)	NFATC3 (2.1)
ST3GAL4 (1.8)	PLEKHG4 (1.8)
ACD (2.3)	MIEN1 (2.3)
GRB7 (2.1)	CX3CL1 (2.1)
PVRL2 (2.1)	AGBL2 (2.1)
KCTD6 (1.7)	ENSG00000247445 (1
HNF1A (1.7)	ETV5 (1.6)
HNF1A (1.8)	TTC39B (1.6)
OR4A1P (1.8)	BCL7B (1.8)
THAP11 (2.0)	ZNF408 (1.9)
XKR8 (2.2)	OR4A1P (2.1)
ARID1A (2.0)	FBXL20 (2.0)
MT1G (2.2)	TRNP1 (1.9)
CCL17 (2.1)	LILRA3 (2.0)
THAP11 (2.8)	ARID1A (2.8)
TRPS1 (1.9)	FPR3 (1.8)
C12orf43 (2.3)	MED1 (2.2)
PSMB10 (1.8)	PLTP (1.7)
DR1 (2.6)	LSM12 (2.5)
TNKS (2.1)	UVRAG (2.1)
ESRP2 (2.2)	ARHGAP1 (2.0)
NUP93 (2.9)	UBR1 (2.8)
NUP93 (2.9)	UBR1 (2.8)
C12orf43 (2.4)	NUP93 (2.3)
CES4A (2.0)	MTCH2 (2.0)
CES4A (2.0)	MTCH2 (2.0)
TRADD (2.1)	PIGV (2.0)
GPAM (2.2)	GPER (2.2)
COX19 (1.6)	MTF2 (1.6)
ENSG00000181296 (1	CCL22 (1.8)
ENSG00000181296 (1	CCL22 (1.8)
CMIP (1.9)	FPR3 (1.9)
YDJC (2.4)	DUS2L (2.4)
NUP160 (2.6)	MTF2 (2.6)
CELSR2 (1.4)	ADAL (1.4)
PPP1R1B (2.0)	AMFR (2.0)
DUSP3 (2.1)	LCMT2 (2.0)
PDIA3 (2.6)	PCSK7 (2.4)
COX19 (2.0)	TMEM101 (2.0)
UBE2L3 (2.1)	TP53BP1 (2.1)
ACD (2.6)	CENPT (2.6)
TMEM62 (2.6)	NRBF2 (2.5)
RBM6 (2.3)	ZNF408 (2.3)
JMJD1C (2.2)	MTF2 (2.0)
NUDT21 (2.0)	TMEM208 (2.0)
CENPT (2.5)	NUDT21 (2.1)
MT1H (2.3)	MT1E (2.3)
MT1H (2.3)	MT1E (2.3)
RSPRY1 (2.0)	PTPRZ1 (2.0)

PVRL2 (2.9)	SLC12A3 (2.6)
STRC (1.9)	CASC4 (1.8)
BMP8A (2.1)	ENSG00000236267 (2
CATSPER2 (2.4)	BMP8A (2.3)
ENSG00000226334 (2	FNBP4 (2.1)
RBM5 (2.5)	SPG11 (2.4)
ZSCAN29 (1.8)	ENSG00000254235 (1
ZSCAN29 (1.8)	ENSG00000254235 (1
ZSCAN29 (1.8)	ENSG00000254235 (1
BAZ1B (2.4)	NPEPPS (2.3)
SKA1 (1.7)	KLHL8 (1.7)
EXOC3L1 (2.0)	SLC9A5 (1.9)
MIEN1 (2.5)	C18orf32 (2.4)
CIAPIN1 (2.5)	ADAL (2.4)
DCPS (2.3)	UVRAG (2.2)
NRBF2 (1.8)	ENSG00000182109 (1
BUD13 (2.3)	CIAPIN1 (2.3)
PLA2G15 (2.1)	EIF3J (2.1)
SMPD3 (2.1)	TNKS (2.0)
TAGLN (1.8)	CASC4 (1.8)
BMP8A (1.9)	MPHOSPH9 (1.9)
CASC4 (2.0)	PVRL2 (2.0)
SLC12A3 (2.1)	SLC7A6 (2.1)
CELSR2 (2.1)	PITPNM2 (2.0)
C17orf57 (2.0)	UVRAG (2.0)
NFATC3 (1.8)	KCTD6 (1.7)
GNAO1 (2.1)	MPP2 (2.1)
MBD1 (2.0)	SLC12A3 (1.9)
DDX28 (2.6)	MED1 (2.6)
FHOD1 (2.2)	CELF1 (2.1)
EIF3J (2.3)	TNKS (2.2)
WDR76 (3.0)	FEN1 (2.6)
TAGLN (2.2)	TTBK2 (2.2)
TMEM101 (2.7)	ENSG00000223745 (2
TRPS1 (1.9)	PITPNM2 (1.9)
PSMC3 (2.3)	FEN1 (2.3)
CPNE2 (1.8)	ABCB9 (1.8)
CPNE2 (1.8)	ABCB9 (1.8)
MTF2 (2.2)	NUP160 (2.1)
ENSG00000236267 (1	DPEP3 (1.6)
RBM6 (2.3)	TRPS1 (2.2)
AMFR (2.0)	POLR2C (1.9)
ENSG00000236267 (1	PARD6A (1.5)
DPEP3 (2.1)	FZD9 (2.1)
MAFF (2.0)	GRB7 (2.0)
ENSG00000223745 (1	KLF14 (1.7)
C18orf32 (2.0)	AGBL2 (1.8)
BAZ1B (2.7)	NUDT21 (2.6)
MTF2 (3.0)	NUTF2 (2.7)
MTF2 (3.0)	NUTF2 (2.7)

ZNF664 (1.6)	SNX13 (1.5)
FEN1 (3.0)	SETD8 (2.9)
CELF1 (2.3)	MON1A (2.1)
OGFOD1 (2.5)	SNORD58C (2.5)
PVRL2 (2.2)	MON1A (2.0)
DNAH10 (1.7)	C12orf65 (1.7)
CASC4 (1.9)	FPR3 (1.8)
ABCA1 (1.8)	CYP26A1 (1.8)
EYA3 (1.9)	MT1H (1.9)
LILRB2 (2.2)	CMIP (2.0)
BACE1 (2.0)	FNBP4 (1.9)
DUS2L (2.4)	SNORD58C (2.3)
DNAH10 (2.4)	SETD8 (1.9)
ZNF613 (2.3)	MST1R (2.2)
MST1R (2.1)	TBKBP1 (2.1)
RBM6 (2.0)	KIAA0754 (1.9)
NUP160 (2.2)	OGFOD1 (2.2)
CCDC92 (1.6)	SBNO1 (1.6)
BCAM (2.3)	DOCK6 (2.2)
MST1R (2.2)	KIAA0895L (2.2)
CD40 (1.9)	PITPNM2 (1.8)
CCL17 (2.0)	KLF14 (2.0)
CIAPIN1 (2.5)	ZNF408 (2.4)
B3GNT9 (2.0)	CES4A (1.8)
SLC9A5 (2.0)	CELF1 (1.8)
NUTF2 (2.1)	PSMC3 (2.1)
STRC (1.7)	LIPG (1.6)
SLC7A6OS (2.0)	ENSG00000226645 (2
SLC7A6OS (2.0)	ENSG00000226645 (2
CBFB (2.2)	MYO5B (2.2)
WDR76 (2.2)	BAZ1B (2.2)
GFOD2 (1.9)	AMFR (1.8)
OR5I1 (2.2)	FNBP4 (2.2)
SPG11 (1.7)	PDE3A (1.6)
CD36 (2.1)	FRMD5 (2.0)
ENSG00000247445 (2	TRADD (2.1)
RELB (2.1)	DDB2 (2.1)
EIF3J (2.1)	ENSG00000226645 (2
GRB7 (2.2)	STRC (2.1)
NUTF2 (2.2)	NCOA5 (2.2)
ENSG00000226645 (2	C16orf70 (2.0)
OR5J2 (1.8)	C16orf86 (1.7)
ESRP2 (2.1)	TECTB (2.1)
VEGFA (1.9)	CETP (1.8)
AMBRA1 (1.8)	SLC7A6OS (1.8)
MT1X (2.0)	EXOC3L1 (1.9)
DUS2L (2.1)	COX19 (2.0)
TRADD (2.0)	MST1R (2.0)
NCOA5 (2.5)	RBM6 (2.1)
GPR146 (2.0)	TTC39B (2.0)

RAB11B (2.1)	C1orf172 (1.9)
MPP3 (1.9)	ENSG00000223745 (1
ZNF664 (2.1)	ZDHHC18 (2.1)
UBE3B (2.6)	RNF214 (2.4)
MT1H (2.1)	E2F4 (1.8)
ZFAND2A (2.9)	MTF2 (2.8)
FADS2 (1.9)	CATSPER2 (1.9)
TCAP (2.0)	DOCK6 (2.0)
CCDC92 (2.0)	KLHL8 (2.0)
RELB (2.4)	DDX28 (2.4)
SFN (3.1)	ERBB2 (2.9)
RBM5 (2.0)	ZFAND2A (2.0)
PNMT (2.0)	BCAM (2.0)
ENSG00000247445 (2	NEUROD2 (2.0)
PDE3A (2.3)	PYY (2.2)
BAZ1B (3.1)	NUDT21 (2.8)
BACE1 (2.6)	NCOA5 (2.6)
DDX28 (2.6)	KPNB1 (2.4)
SLC12A4 (3.0)	ESRP2 (2.9)
DUSP3 (2.1)	MADD (2.0)
NUP160 (2.4)	NUDT21 (2.4)
ZNF335 (2.1)	DR1 (2.0)
CELF1 (2.3)	ENSG00000247445 (2
BCL7B (2.2)	LRRC29 (2.0)
PSMB10 (2.2)	KANK2 (2.2)
SIDT2 (2.1)	TTC39B (2.1)
C17orf57 (2.2)	CD40 (2.1)
C17orf57 (2.2)	CD40 (2.1)
CCDC11 (1.7)	LPL (1.7)
DUSP3 (1.8)	NOL3 (1.7)
SLC12A4 (1.9)	CPNE2 (1.9)
INTS10 (2.6)	SLC7A6OS (2.6)
MADD (2.4)	CMIP (2.2)
TRADD (2.1)	OR5L2 (2.1)
PDE3A (1.8)	ENSG00000229043 (1
OASL (2.1)	PSMB10 (2.1)
NUP160 (2.2)	PRMT7 (2.1)
NOL3 (1.9)	MPP2 (1.9)
REEP3 (2.1)	SIK3 (2.0)
HSF4 (2.3)	KLHL8 (2.2)
OASL (2.0)	MED1 (2.0)
FHOD1 (2.3)	GNAO1 (2.3)
CPNE2 (2.1)	SMPD3 (2.0)
SKA1 (2.7)	PCIF1 (2.6)
POLR2C (2.8)	NCOA5 (2.8)
SLC39A13 (2.0)	TOMM40 (2.0)
CASC4 (1.9)	BACE1 (1.9)
RLTPR (2.1)	PIGV (2.1)
RLTPR (2.0)	ENSG00000223745 (2
FBXL20 (2.6)	GRB7 (2.6)

ARID1A (2.0)	UVRAG (2.0)
ENSG00000181123 (2	TMEM175 (2.0)
CCDC92 (1.8)	MAP1A (1.6)
PRMT7 (2.1)	COQ9 (2.0)
TNKS (2.6)	SPG11 (2.5)
PYY (2.1)	BCAM (2.0)
AMBRA1 (2.6)	KIAA0754 (2.4)
DR1 (2.7)	UBE3B (2.6)
ZNF259 (2.2)	GLUL (2.1)
PITPNM2 (2.3)	MPP2 (2.2)
FHOD1 (2.9)	SLC12A4 (2.8)
CATSPER2 (2.8)	NRBF2 (2.5)
DYM (2.2)	C16orf86 (2.2)
PAFAH1B2 (2.3)	TTBK2 (2.2)
CXXC1 (2.8)	TP53BP1 (2.8)
MPP3 (2.9)	KIAA0895L (2.7)
MMAB (2.4)	CELF1 (2.4)
ACD (3.0)	NUP160 (2.9)
SLC7A6OS (2.2)	NUP160 (2.1)
KLF14 (1.8)	OR4A1P (1.7)
OGFOD1 (2.3)	NUP160 (2.3)
KBTBD4 (2.2)	PCIF1 (2.2)
NDUFS3 (3.1)	ENSG00000229043 (2
MYO5B (2.8)	NEUROD2 (2.8)
NLRC5 (1.5)	OR5L2 (1.5)
CCDC116 (2.1)	TRADD (2.0)
PDIA3 (2.3)	TMEM208 (2.2)
MST1R (1.8)	MACF1 (1.8)
SIK3 (2.1)	RLTPR (2.0)
PDE3A (2.4)	MTCH2 (2.3)
CBFB (2.2)	NR0B2 (2.2)
TMEM101 (2.0)	BACE1 (2.0)
ENSG00000181123 (1	MT1M (1.8)
MPHOSPH9 (1.7)	AGBL2 (1.6)
DCPS (2.2)	ACD (2.2)
FHOD1 (2.6)	NDUFS3 (2.4)
DPEP2 (1.8)	ENSG00000236267 (1
CTDSPL2 (2.8)	TUBGCP4 (2.3)
G6PC3 (2.1)	SLC9A5 (1.9)
COBLL1 (2.0)	CYP2W1 (2.0)
MYO1H (2.1)	CYP26A1 (2.1)
TGM5 (2.0)	ATG13 (2.0)
ZNF335 (2.5)	GPN2 (2.2)
CXXC1 (2.3)	BUD13 (2.3)
TMEM62 (2.6)	LRRC29 (2.6)
TECTB (2.0)	TRNP1 (1.9)
RAB11B (1.9)	C1QTNF4 (1.8)
ARHGAP1 (1.9)	RAB11B (1.9)
ARHGAP1 (1.9)	RAB11B (1.9)
NUP93 (2.4)	RANBP10 (2.4)

TECTB (1.7)	KLHL8 (1.6)
REEP3 (2.2)	KIAA0754 (2.0)
ENSG00000179523 (2	BCL3 (2.5)
UBE3B (2.1)	LCMT2 (2.1)
PPP1R1B (1.9)	SOST (1.8)
PPP1R1B (1.9)	SOST (1.8)
CES4A (2.1)	TMEM101 (2.0)
CES4A (2.1)	TMEM101 (2.0)
CYP26A1 (2.1)	YDJC (2.0)
SOST (1.9)	SFN (1.9)
GPN2 (2.3)	MED1 (2.2)
MTMR3 (2.3)	CSGALNACT1 (2.1)
E2F4 (1.8)	EYA3 (1.8)
ZNF614 (2.6)	UBR1 (2.4)
ENSG00000256746 (1	ELMO3 (1.9)
CELF1 (2.2)	SLC9A5 (2.1)
NUP93 (1.5)	ZNF259 (1.5)
ZNF664 (2.1)	ZSCAN29 (2.0)
ACP2 (2.4)	CETP (2.2)
NDUFS3 (2.3)	ZNF259 (2.2)
SPRYD5 (1.7)	MYO1H (1.7)
C11orf9 (2.3)	ZNF664 (2.3)
LCAT (1.9)	GLUL (1.9)
G6PC3 (1.6)	REEP3 (1.6)
RLTPR (2.2)	KPNB1 (2.1)
NUP93 (2.0)	NCOA5 (2.0)
CCL17 (2.0)	RBPJ (1.9)
FAM192A (2.6)	CYP2W1 (2.5)
UVRAG (2.8)	ATG13 (2.5)
PPP1R1B (2.0)	TRPS1 (1.9)
MPP3 (1.9)	KIAA0895L (1.8)
CETP (1.7)	FRMD5 (1.5)
KCTD10 (2.2)	TRNP1 (2.1)
C18orf32 (2.3)	SLC7A6 (2.1)
ENSG00000223745 (2	NUTF2 (1.9)
NCOA5 (1.8)	C7orf50 (1.8)
C7orf50 (2.1)	NUP160 (2.0)
KIAA0895L (1.9)	SLC22A1 (1.9)
ARFGAP2 (2.1)	UBE2L3 (2.0)
C16orf48 (2.5)	ACD (2.5)
ZNF408 (2.1)	LILRA3 (1.8)
CD40 (2.4)	RBM5 (2.2)
ZNF408 (2.4)	MFAP1 (2.4)
SNX13 (2.2)	CLPTM1 (2.2)
GRB7 (2.9)	DUSP3 (2.8)
C12orf43 (2.2)	ZSCAN29 (2.2)
KPNB1 (2.3)	ZNF664 (2.2)
CELF1 (2.5)	BUD13 (2.5)
KIAA0895L (2.0)	C12orf65 (2.0)
PNMT (1.9)	MADD (1.9)

C11orf49 (2.0)	ABCA8 (1.9)
CXXC1 (2.0)	NCOA5 (1.9)
DOK4 (2.0)	ETV5 (2.0)
KANK2 (2.1)	RAB11B (2.1)
CBFB (2.0)	PLEKHG4 (2.0)
CCL22 (2.2)	CX3CL1 (2.0)
CCDC18 (1.7)	SLC7A6OS (1.7)
CELF1 (2.5)	CKAP5 (2.4)
CKAP5 (2.7)	BAZ1B (2.5)
STRC (2.4)	AGBL2 (2.1)
CELF1 (1.8)	TRIB1 (1.7)
CIAPIN1 (2.6)	PDE3A (2.5)
CDK12 (2.0)	TRIB1 (2.0)
CELSR2 (2.1)	CKAP5 (2.0)
PVRL2 (2.3)	PTPRZ1 (2.3)
ARHGAP1 (2.3)	PTPRJ (2.3)
PITPNM2 (2.0)	PPP1R1B (2.0)
RBM6 (2.2)	HDAC5 (2.2)
PVRL2 (2.0)	ENSG00000247445 (2
BAZ1B (1.8)	CCDC18 (1.7)
ENSG00000182109 (1	RAB11B (1.7)
C1QTNF4 (2.1)	RLTPR (2.0)
DR1 (1.9)	ZNF335 (1.9)
MPHOSPH9 (2.3)	C16orf48 (2.2)
MT1M (2.1)	SIK3 (1.9)
SOST (1.9)	SLC12A4 (1.9)
ELMO3 (2.0)	ZSCAN29 (2.0)
ELMO3 (2.0)	ZSCAN29 (2.0)
DCPS (2.0)	NUP160 (2.0)
DCPS (2.0)	NUP160 (2.0)
DCPS (2.0)	NUP160 (2.0)
CDK12 (2.9)	RANBP10 (2.9)
EIF3J (2.6)	NUP93 (2.6)
ENSG00000179523 (1	PARD6A (1.8)
PTPRJ (2.2)	C11orf49 (2.2)
C17orf105 (1.8)	CYP26A1 (1.7)
MT1E (2.1)	HERPUD1 (2.0)
APOA1 (1.6)	EYA3 (1.6)
TTBK2 (2.5)	THAP11 (2.5)
ADAL (2.3)	ZNF613 (2.2)
UBE2L3 (1.8)	NUP160 (1.7)
BCL7B (2.3)	EYA3 (2.3)
CDK12 (1.5)	LCMT2 (1.5)
ENSG00000179523 (1	CYP26A1 (1.5)
AFF1 (2.0)	TMEM62 (1.8)
NUTF2 (2.8)	TOMM40 (2.8)
UBE2L3 (1.9)	ZSCAN29 (1.9)
RBM6 (2.3)	C12orf43 (2.2)
PCIF1 (2.2)	SETD8 (2.2)
SDF2L1 (2.1)	GALNT2 (2.1)

TOMM40 (2.1)	ENSG00000255507 (2
GNAO1 (2.0)	MON1A (2.0)
LCMT2 (2.0)	MAFF (2.0)
ENSG00000181123 (1	OR4A21P (1.6)
UBR1 (2.5)	BACE1 (2.5)
PTPMT1 (1.9)	ENSG00000255507 (1
PDE3A (1.9)	APOE (1.8)
ABHD6 (1.8)	REEP3 (1.7)
ENSG00000226334 (2	ENSG00000247867 (2
CTRL (1.9)	C17orf57 (1.8)
C12orf43 (1.8)	TOMM40 (1.7)
TUBGCP4 (2.0)	KCTD10 (1.9)
PVRL2 (1.9)	TSNAXIP1 (1.9)
MT1E (2.3)	ZNF350 (2.3)
EDC4 (2.5)	C18orf32 (2.5)
MACF1 (2.4)	PPP1R1B (2.3)
NEUROD2 (2.0)	FRMD5 (1.9)
RSPRY1 (2.4)	DR1 (2.0)
GPN2 (2.5)	C7orf50 (2.5)
PDE3A (2.2)	YDJC (2.2)
ZNF614 (1.9)	ENSG00000226645 (1
POLR2C (3.0)	RSPRY1 (2.9)
ZNF408 (2.0)	TECTB (1.8)
OGFOD1 (2.3)	EIF3J (2.2)
NRBF2 (2.2)	UBE3B (2.0)
DPEP2 (2.0)	CD40 (2.0)
UBE2L3 (2.0)	KLHL8 (1.9)
CELF1 (2.0)	EIF3J (2.0)
CITED2 (2.4)	GPN2 (2.4)
OGFOD1 (2.6)	DR1 (2.5)
PSKH1 (1.7)	EYA3 (1.7)
ABCA8 (2.2)	ACAA2 (2.2)
CKAP5 (2.0)	MED1 (1.9)
SMPD3 (1.7)	LRRC29 (1.7)
LPL (2.2)	RLTPR (2.0)
PDE3A (2.0)	SNORD58C (2.0)
UVRAG (2.1)	NLRC5 (2.1)
SBNO1 (2.5)	SIK3 (2.4)
ENSG00000226645 (1	PGS1 (1.7)
TTBK2 (2.4)	UBE3B (2.3)
SLC9A5 (2.1)	C16orf86 (2.0)
MPHOSPH9 (2.7)	C16orf48 (2.4)
RSPO3 (2.2)	BCAM (2.2)
COX19 (2.4)	TMEM208 (2.2)
APOE (2.1)	ARFGAP2 (2.1)
RSPO3 (1.9)	ANGPTL4 (1.9)
CCDC92 (2.4)	CATSPER2 (2.2)
DUS2L (2.4)	MON1A (2.3)
LSM12 (3.3)	UBE3B (3.3)
TMEM208 (3.0)	PIGV (2.9)

PCIF1 (2.6)	EDC4 (2.4)
DGKG (2.2)	ABHD6 (2.1)
AMFR (2.2)	PSMB10 (2.1)
COX19 (2.5)	PXK (2.4)
SLC7A6OS (1.8)	CSGALNACT1 (1.7)
CXXC1 (2.7)	KBTBD4 (2.7)
G6PC3 (2.0)	GFOD2 (2.0)
OGFOD1 (2.5)	KPNB1 (2.5)
NUDT21 (3.5)	TUBGCP4 (3.1)
FZD9 (2.2)	NOL3 (2.2)
ZNF614 (2.0)	SIK3 (2.0)
ZNF614 (2.0)	SIK3 (2.0)
COBLL1 (2.0)	SOST (1.8)
RLTPR (2.5)	CXXC1 (2.3)
PDIA3 (2.8)	GRB7 (2.8)
SPRYD5 (1.7)	PPP1R1B (1.6)
ZNF664 (1.5)	THAP11 (1.5)
TRNP1 (2.2)	TBKBP1 (2.1)
PARD6A (1.9)	KCTD19 (1.9)
ABCA1 (2.1)	REEP3 (2.0)
RSPO3 (2.2)	ABHD6 (2.1)
TRNP1 (2.6)	CPNE2 (2.6)
NLRC5 (1.9)	OR5L2 (1.9)
PXK (2.2)	CCDC116 (2.1)
OR5I1 (1.9)	C17orf57 (1.9)
C7orf50 (2.7)	KLHL8 (2.6)
ADAL (2.6)	PDIA3 (2.6)
TRADD (1.7)	MTMR3 (1.7)
GFOD2 (2.2)	ZDHHC18 (2.0)
DPEP3 (1.9)	RNF214 (1.8)
KIAA0895L (2.2)	DCPS (2.2)
C12orf65 (2.0)	FPR3 (2.0)
FADS1 (2.6)	SMPD3 (2.5)
THAP11 (1.8)	AFF1 (1.8)
NUP93 (2.1)	NUDT21 (2.0)
MT1E (1.7)	OR4A21P (1.7)
ZNF408 (2.7)	POLR2C (2.7)
ZNF408 (2.7)	POLR2C (2.7)
JMJD1C (2.0)	CXXC1 (2.0)
ERBB2 (1.7)	KLF14 (1.7)
SBNO1 (2.1)	PDHB (2.1)
CITED2 (1.7)	C11orf9 (1.7)
SNX13 (2.4)	ACAA2 (2.4)
GPER (1.6)	NEUROD2 (1.5)
C16orf48 (2.3)	CASC4 (2.3)
PGAP3 (2.0)	PCSK7 (1.9)
CCL22 (2.0)	ENSG00000254235 (1
C11orf9 (1.9)	AGBL2 (1.8)
ERBB2 (2.5)	SLC12A3 (2.5)
JMJD1C (1.8)	CX3CL1 (1.7)

ENSG00000179523 (2	STRC (2.1)
PVRL2 (2.8)	SFN (2.6)
KCTD19 (2.5)	DUS2L (2.5)
GPR146 (2.0)	ENSG00000226645 (2
MPP3 (2.0)	RLTPR (2.0)
SLC12A4 (1.7)	NLRC5 (1.7)
SLC12A4 (1.7)	NLRC5 (1.7)
PNMT (2.8)	MED1 (2.8)
DNAH10 (1.7)	SLC12A3 (1.7)
TTC39B (1.6)	PITPNM2 (1.6)
SIDT2 (2.0)	RSPO3 (2.0)
RSPO3 (2.3)	TECTB (2.2)
PVRL2 (2.3)	PDE3A (2.2)
CCL22 (2.1)	ST3GAL4 (2.1)
KIAA0895L (2.1)	ENSG00000226334 (2
FEN1 (2.2)	LSM12 (2.2)
ACP2 (1.9)	TMEM62 (1.9)
TP53BP1 (2.1)	GLUL (2.0)
PITPNM2 (2.5)	TBKBP1 (2.4)
SLC7A6 (1.9)	CLPTM1 (1.9)
MACF1 (2.3)	SIK3 (2.2)
CELSR2 (2.1)	TBKBP1 (2.1)
MON1A (2.1)	CASC4 (2.0)
ZNF614 (2.2)	CELF1 (2.1)
CELF1 (2.0)	SLC39A13 (1.9)
SOST (1.8)	ENSG00000181123 (1
TBL2 (2.1)	PLTP (2.0)
FAM192A (2.6)	UBE2L3 (2.6)
PDE3A (1.6)	B3GNT9 (1.6)
TRPS1 (1.6)	PSKH1 (1.5)
CELSR2 (2.1)	PTPRZ1 (2.0)
TUBGCP4 (2.7)	OGFOD1 (2.7)
SEC14L4 (1.9)	ACAA2 (1.9)
SIK3 (2.1)	BUD13 (1.8)
FNBP4 (2.0)	CDK12 (2.0)
ARHGAP1 (2.2)	KANK2 (2.1)
RSPRY1 (2.1)	C17orf57 (2.0)
UBR1 (2.7)	PSKH1 (2.5)
MFAP1 (2.2)	FEN1 (2.1)
LRP4 (2.1)	PSKH1 (2.1)
RBM5 (2.1)	DYM (2.1)
OGFOD1 (2.4)	ACD (2.3)
DR1 (2.2)	MED1 (2.1)
C1QTNF4 (2.2)	CKAP5 (2.2)
THAP11 (2.5)	ENSG00000179523 (2
PITPNM2 (1.8)	TMEM62 (1.8)
GPIHBP1 (2.0)	GRB7 (2.0)
PITPNM2 (2.1)	MACF1 (2.1)
KIAA0754 (2.1)	ENSG00000236267 (2
MPHOSPH9 (1.9)	SLC12A3 (1.9)

NUP160 (2.2)	PRMT7 (2.2)
DUSP3 (2.4)	ARHGAP1 (2.1)
ENSG00000223745 (1	FNBP4 (1.8)
NUDT21 (2.6)	EIF3J (2.5)
PTPRJ (2.5)	RSPRY1 (2.3)
YDJC (2.3)	DDX28 (2.3)
AGBL2 (2.0)	OR5L2 (1.8)
FHOD1 (2.8)	MPP2 (2.7)
PSMB10 (2.2)	COX19 (2.1)
CXXC1 (2.2)	PDHB (2.2)
BUD13 (2.6)	AMBRA1 (2.6)
LRP4 (1.9)	ERBB2 (1.8)
OR5J2 (1.7)	LILRA3 (1.6)
PXK (2.8)	PDIA3 (2.7)
TNKS (2.3)	PARD6A (2.3)
CATSPER2 (2.4)	TRNP1 (2.4)
BBS2 (3.0)	PRMT7 (3.0)
PARD6A (2.0)	ENSG00000256746 (1
HNF4A (2.2)	PDE3A (2.2)
ACD (2.7)	THAP11 (2.5)
ACD (2.7)	THAP11 (2.5)
AFF1 (2.2)	TAGLN (2.2)
ENSG00000255507 (2	CMIP (2.1)
PDHB (1.9)	ZNF664 (1.9)
NPEPPS (2.9)	JMJD1C (2.8)
SFN (2.9)	BCAM (2.5)
SFN (2.9)	BCAM (2.5)
MAP1A (2.2)	SETD8 (2.1)
SLC12A4 (1.9)	ARFGAP2 (1.9)
OR5I1 (2.0)	DDX28 (2.0)
OR5I1 (2.0)	DDX28 (2.0)
OR5I1 (2.0)	DDX28 (2.0)
CD40 (1.9)	ENSG00000247445 (1
TOMM40 (2.7)	NUP93 (2.7)
MYO1H (2.1)	WDR76 (1.9)
GNAO1 (2.4)	CPNE2 (2.4)
ABCA1 (2.3)	UBR1 (2.0)
G6PC3 (2.2)	ENSG00000182109 (2
PLA2G6 (2.4)	TMED5 (2.4)
TGM7 (2.2)	MST1R (2.1)
FBXL20 (2.2)	ERBB2 (2.2)
ZSCAN29 (2.0)	RAB11B (2.0)
KCTD19 (1.9)	AGBL2 (1.8)
ZSCAN29 (1.8)	TCAP (1.7)
OR4A1P (1.9)	AMFR (1.8)
NEUROD2 (2.0)	BACE1 (1.9)
MAFF (1.9)	OR4A21P (1.9)
PGS1 (1.9)	FNBP4 (1.9)
ATG13 (2.2)	CX3CL1 (1.9)
C12orf65 (1.9)	NDUFS3 (1.8)

PLA2G6 (2.1)	TMEM101 (2.1)
WDR76 (2.2)	CCDC18 (2.2)
PTPRJ (2.3)	RBM5 (2.3)
PTPRJ (2.3)	RBM5 (2.3)
CCL17 (2.2)	LILRB2 (2.1)
COX19 (1.8)	NLRC5 (1.7)
IGF2R (1.8)	MYBPC3 (1.8)
NRBF2 (2.2)	FADS2 (2.2)
RAPSN (1.8)	HNF1A (1.8)
MT1E (2.1)	ACP2 (2.0)
C7orf50 (2.1)	MED1 (2.0)
UVRAG (1.9)	TTBK2 (1.9)
NUTF2 (2.0)	ACAA2 (2.0)
TAGLN (1.7)	PDHB (1.6)
RBM6 (2.0)	ENSG00000247867 (2
B3GNT9 (2.1)	FBXL20 (2.1)
SFN (3.1)	GPIHBP1 (2.9)
MPP3 (1.8)	TTBK2 (1.8)
PYY (2.1)	ESRP2 (1.9)
BMP8A (2.2)	LILRB2 (2.0)
C1QTNF4 (1.8)	APOC1 (1.8)
TRADD (2.1)	EPB42 (2.1)
PLTP (1.8)	CXXC1 (1.8)
UBE2L3 (2.4)	LSM12 (2.4)
NCOA5 (2.6)	C12orf43 (2.6)
NCOA5 (2.6)	C12orf43 (2.6)
TGM5 (2.3)	CCDC116 (2.2)
UBR1 (2.2)	NPEPPS (2.1)
CX3CL1 (2.4)	PSMB10 (2.3)
MFAP1 (2.1)	E2F4 (2.1)
MFAP1 (2.1)	E2F4 (2.1)
PSMC3 (2.7)	NUDT21 (2.6)
MED1 (2.3)	GPN2 (2.3)
GRB7 (2.4)	EDC4 (2.3)
DOCK6 (2.2)	SIK3 (2.2)
CATSPER2 (2.3)	MST1R (2.2)
SBNO1 (2.0)	FAM192A (2.0)
CMIP (2.5)	ANGPTL4 (2.4)
CTRL (2.2)	ENSG00000255507 (2
DPEP3 (2.5)	PNMT (2.5)
UBE3B (2.2)	EDC4 (1.9)
MED1 (2.1)	FBXL20 (2.0)
TMEM208 (2.6)	CIAPIN1 (2.4)
ENSG00000247867 (2	ZDHHC18 (2.0)
ENSG00000247867 (2	ZDHHC18 (2.0)
E2F4 (2.5)	FAM192A (2.4)
RNF214 (2.7)	KBTBD4 (2.6)
SNX10 (1.8)	PCSK7 (1.7)
NUTF2 (2.1)	TMED5 (2.1)
TMEM101 (1.9)	C1orf172 (1.8)

BACE1 (2.4)	ACP2 (2.3)
MYO1H (1.8)	HNF1A (1.7)
RELB (1.7)	DUS2L (1.7)
PPY (2.4)	CYP2W1 (2.3)
NUP160 (2.5)	EDC4 (2.2)
REEP3 (2.0)	ETV5 (2.0)
SNX10 (2.2)	HDAC5 (2.1)
ABCA8 (2.2)	EXOC3L1 (2.0)
MFAP1 (2.9)	PRMT7 (2.9)
RAPSN (2.2)	MACF1 (2.2)
ACD (1.8)	AFF1 (1.7)
PPP1R1B (1.8)	ENSG00000226334 (1
RLTPR (2.0)	SNX10 (1.9)
NCOA5 (2.4)	ENSG00000256746 (2
PCIF1 (2.0)	KLHL8 (1.9)
MVK (1.8)	PNMT (1.7)
C1QTNF4 (1.9)	MBD1 (1.9)
C16orf86 (1.8)	TMEM62 (1.8)
AGBL2 (3.0)	CCDC18 (3.0)
SNORD58C (2.5)	MPHOSPH9 (2.4)
RANBP10 (2.1)	CDK12 (2.1)
CELSR2 (1.9)	PLTP (1.9)
OR4A21P (1.9)	PLEKHG4 (1.7)
TMEM62 (2.6)	FBXL20 (2.5)
CCDC92 (2.1)	UBR1 (2.1)
KCTD10 (2.4)	AFF1 (2.4)
DEPDC1 (2.8)	CENPT (2.8)
FNBP4 (1.9)	TSNAXIP1 (1.9)
ACD (2.6)	EDC4 (2.6)
NEUROD2 (2.3)	SNX13 (2.3)
SMPD3 (2.2)	DNAH10 (2.1)
CPNE2 (1.7)	CBFB (1.6)
SIDT2 (2.2)	ABHD6 (1.9)
GPR146 (1.9)	TGM5 (1.9)
ENSG00000181123 (1	ZDHHC18 (1.6)
SFN (2.1)	PSMC3 (2.0)
PARD6A (2.2)	NUDT21 (2.2)
TP53BP1 (2.7)	CIAPIN1 (2.6)
ARFGAP2 (1.7)	PSMC3 (1.7)
ZNF614 (2.0)	MAP1A (2.0)
REEP3 (2.3)	NOL3 (2.2)
PSMC3 (1.9)	RLTPR (1.9)
ETV5 (1.6)	C11orf9 (1.6)
PACSIN3 (1.8)	PDE3A (1.8)
CIAPIN1 (2.0)	MPHOSPH9 (2.0)
EYA3 (1.8)	PTPRJ (1.7)
RAPSN (2.4)	MACF1 (2.4)
PPY (2.2)	TRADD (2.2)
KPNB1 (2.5)	NUP93 (2.5)
TUBGCP4 (2.7)	WDR76 (2.5)

ENSG00000247867 (2	SIDT2 (2.2)
ENSG00000247867 (2	SIDT2 (2.2)
NUP160 (3.5)	NUP93 (3.4)
GNAO1 (1.9)	CCNDBP1 (1.9)
NUP93 (2.4)	PRMT7 (2.3)
SLC12A4 (2.2)	CCDC11 (2.1)
C11orf9 (2.2)	ABCA8 (2.2)
TMEM62 (2.5)	CCNDBP1 (2.5)
RLTPR (1.9)	ZNF615 (1.8)
FRMD5 (1.6)	TMED5 (1.5)
NRBF2 (2.8)	ENSG00000226645 (2
SNORD58C (1.9)	CELF1 (1.9)
PVRL2 (2.2)	MPP2 (2.2)
ENSG00000256746 (1	SLC12A4 (1.9)
PXK (1.8)	LRRC29 (1.7)
GLUL (1.5)	NCOA5 (1.5)
C11orf49 (2.1)	RANBP10 (2.1)
KBTBD4 (2.2)	UBE3B (2.0)
SPI1 (1.8)	CPNE2 (1.8)
SCARB1 (1.7)	CELSR2 (1.7)
LSM12 (2.4)	CASC4 (2.4)
OR5I1 (1.9)	PARD6A (1.7)
CBFB (2.3)	KCTD6 (2.3)
CCDC116 (2.4)	C1orf172 (2.4)
PRMT7 (2.4)	CIAPIN1 (2.4)
PSMB10 (2.4)	TNKS (2.4)
SMPD3 (2.1)	HSF4 (2.1)
E2F4 (1.9)	GPER (1.8)
ANGPTL4 (2.0)	DCPS (2.0)
G6PC3 (2.2)	TOMM40 (2.2)
JMJD1C (2.4)	RANBP10 (2.4)
PCSK7 (2.2)	RLTPR (2.1)
MST1R (1.7)	ENSG00000226334 (1
EDC4 (2.1)	NFATC3 (2.0)
MTMR3 (1.9)	ARID1A (1.9)
MPHOSPH9 (2.4)	C16orf48 (2.3)
KLF14 (1.8)	TTC39B (1.8)
HSF4 (2.5)	OR4A1P (2.4)
MED1 (2.4)	CDK12 (2.3)
MED1 (2.4)	CDK12 (2.3)
MED1 (2.4)	CDK12 (2.3)
PLTP (2.3)	LIPG (2.2)
ADAL (2.0)	CCDC11 (1.9)
C12orf65 (1.9)	STRC (1.8)
TAGLN (2.3)	AGBL2 (2.3)
SNX13 (2.2)	CLPTM1 (2.2)
SLC12A4 (1.9)	PVRL2 (1.9)
ENSG00000236267 (2	ENSG00000182109 (1
C16orf48 (2.6)	FNBP4 (2.5)
C16orf48 (2.6)	FNBP4 (2.5)

HCAR1 (1.8)	ST3GAL4 (1.7)
C1QTNF4 (1.8)	SNX10 (1.8)
CITED2 (2.0)	UBE2L3 (1.8)
TRADD (1.8)	OR5L2 (1.8)
MPHOSPH9 (2.2)	ZDHHC18 (2.1)
ENSG00000247445 (1	SLC7A6 (1.8)
ENSG00000223745 (1	RBM5 (1.6)
TNKS (1.8)	TMEM101 (1.8)
ZNF613 (1.9)	PAFAH1B2 (1.8)
OASL (2.6)	CDK12 (2.6)
SPG11 (2.4)	ESRP2 (2.4)
TMEM62 (1.8)	TECTB (1.7)
DPEP3 (1.6)	LSM12 (1.5)
SLC12A3 (2.1)	C16orf48 (2.0)
TBKBP1 (2.0)	KLF14 (1.9)
PYY (2.2)	OR5L2 (2.0)
LSM12 (1.9)	ENSG00000226645 (1
CYP26A1 (1.5)	SOST (1.4)
GALNT2 (1.9)	SIDT2 (1.7)
TGM5 (2.1)	CES4A (2.0)
PLA2G6 (2.1)	ZNF615 (2.0)
MED1 (2.4)	ARID1A (2.2)
TMEM101 (1.6)	COBLL1 (1.6)
ERBB2 (2.5)	TMED5 (2.5)
OR5I1 (2.3)	TBKBP1 (2.2)
SNORD58C (2.3)	SLC7A6 (2.3)
SNORD58C (2.3)	SLC7A6 (2.3)
EDC4 (2.6)	LCMT2 (2.3)
DR1 (2.0)	RAB11B (1.9)
ENSG00000236267 (2	C11orf9 (2.0)
TP53BP1 (2.6)	CELF1 (2.5)
SPI1 (1.7)	PDIA3 (1.7)
PLTP (1.7)	NOL3 (1.7)
TOMM40 (2.1)	NUP160 (2.0)
TUBGCP4 (2.3)	FNBP4 (2.3)
NOL3 (2.0)	PDHB (1.9)
RNF214 (1.7)	ENSG00000226334 (1
LILRB2 (1.6)	TNKS (1.6)
ABCB9 (1.8)	PLA2G6 (1.7)
LCMT2 (1.9)	LPA (1.8)
G6PC3 (2.2)	ENSG00000223745 (2
REEP3 (1.9)	SLC12A4 (1.9)
LILRA3 (2.0)	RLTPR (2.0)
OR5J2 (1.8)	CCDC11 (1.7)
PSMB10 (2.3)	CCL22 (2.2)
DYM (2.1)	MIEN1 (2.1)
ABHD6 (2.0)	C16orf70 (2.0)
CPNE2 (1.9)	BACE1 (1.8)
BAZ1B (1.7)	ACP2 (1.7)
PPY (1.8)	PDE3A (1.8)

ARID1A (2.0)	CBFB (1.9)
RBM6 (1.6)	FADS2 (1.5)
XKR8 (2.1)	GFOD2 (2.1)
ARID1A (2.1)	CBFB (2.1)
ENSG00000181296 (2	KPNB1 (2.2)
PGAP3 (2.2)	KCTD19 (2.0)
APOA1 (2.0)	LIPC (1.9)
PTPMT1 (1.9)	ACAA2 (1.8)
PTPMT1 (1.9)	ACAA2 (1.8)
BACE1 (2.2)	ZNF664 (2.2)
ENSG00000229043 (1	APOA4 (1.7)
CYP26A1 (2.0)	TBL2 (1.9)
MFAP1 (0.7)	MACF1 (0.7)
DYM (2.5)	PSKH1 (2.5)
CCNDBP1 (2.3)	PTPMT1 (2.3)
C18orf32 (1.9)	OR5L2 (1.8)
CKAP5 (2.7)	C16orf48 (2.7)
PSMB10 (2.3)	C18orf32 (2.1)
GPN2 (2.0)	DDB2 (2.0)
PXK (2.1)	HCAR1 (1.9)
PTPMT1 (2.1)	MYBPC3 (1.9)
STRC (1.7)	PAFAH1B2 (1.7)
NUP93 (2.7)	FAM192A (2.7)
MTF2 (2.5)	NUP93 (2.5)
KBTBD4 (2.8)	OR5I1 (2.7)
NEUROD2 (2.4)	CELSR2 (2.3)
CYP2W1 (1.7)	CX3CL1 (1.5)
APOC1 (1.8)	RBPJ (1.7)
EIF3J (2.5)	CASC4 (2.4)
HERPUD1 (2.4)	RSPRY1 (2.4)
LILRB2 (2.3)	XKR8 (2.1)
CPNE2 (2.3)	C16orf70 (2.1)
FEN1 (2.4)	GNAO1 (2.2)
ENSG00000229043 (2	ENSG00000254235 (1
HARBI1 (2.1)	SMPD3 (2.0)
PLEKHG4 (1.5)	MPP2 (1.4)
KCTD10 (2.7)	MYO1H (2.4)
MPP3 (2.0)	SEC14L4 (1.9)
SLC9A5 (1.9)	MTMR3 (1.9)
KCTD10 (1.8)	FADS1 (1.5)
BMP8A (1.9)	C16orf86 (1.8)
UBR1 (2.1)	ENSG00000226334 (2
PCSK7 (2.8)	HERPUD1 (2.8)
PCSK7 (2.8)	HERPUD1 (2.8)
VEGFA (2.0)	KIAA0895L (2.0)
C16orf86 (1.7)	BMP8A (1.7)
PYY (2.5)	GPIHBP1 (2.4)
SLC7A6 (2.0)	CELSR2 (1.9)
MYO1H (2.3)	DYM (2.3)
C11orf49 (2.0)	PRMT7 (2.0)

PXK (2.0)	ZDHHC18 (2.0)
RAB11B (2.4)	PCIF1 (2.3)
NUDT21 (2.8)	NUP93 (2.6)
MT1F (2.5)	GLUL (2.4)
DR1 (2.3)	MTMR3 (2.3)
TMED5 (2.1)	AGBL2 (2.1)
KCTD6 (2.1)	OR5L2 (2.0)
OR4A1P (1.8)	RSPO3 (1.8)
PGAP3 (2.6)	ZDHHC18 (2.6)
SLC12A4 (2.2)	KIAA0895L (2.1)
ZNF614 (2.0)	C16orf86 (1.8)
CX3CL1 (1.9)	ST3GAL4 (1.9)
BACE1 (2.2)	ABCB9 (2.2)
PGAP3 (1.8)	PITPNM2 (1.8)
PTPMT1 (1.7)	LRRC29 (1.5)
MACF1 (2.9)	KIAA0754 (2.8)
AMFR (1.8)	MAP1A (1.8)
MON1A (1.7)	OASL (1.6)
MPP2 (2.0)	ABHD6 (2.0)
DPEP3 (1.9)	ADAL (1.8)
ZNF259 (2.0)	BUD13 (2.0)
CBFB (2.5)	DDX28 (2.5)
BUD13 (2.5)	AMBRA1 (2.5)
ZNF613 (2.4)	BAZ1B (2.3)
C1orf172 (2.1)	DGKG (2.1)
BCL7B (1.8)	CCDC11 (1.7)
CELSR2 (2.2)	KCTD10 (2.1)
ABHD6 (1.8)	TAGLN (1.8)
ABHD6 (1.6)	PDIA3 (1.6)
SLC7A6 (2.3)	DDB2 (2.2)
HNF1A (2.1)	PPP1R1B (2.1)
PCIF1 (2.0)	TUBGCP4 (1.9)
THAP11 (2.2)	GFOD2 (2.2)
ENSG00000254235 (1	ZNF614 (1.8)
TBKBP1 (2.0)	C11orf9 (1.9)
PSMB10 (2.1)	MIEN1 (1.9)
GPER (2.0)	MACF1 (2.0)
CCL22 (2.3)	DPEP2 (2.1)
SLC7A6 (2.2)	SBNO1 (2.1)
TECTB (1.7)	PNMT (1.6)
MPP2 (1.2)	HDAC5 (1.2)
ENSG00000179523 (2	ENSG00000256746 (2
DCPS (2.2)	ENSG00000226645 (2
MT1G (1.7)	EIF3J (1.7)
DNAH10 (2.3)	ENSG00000181123 (2
UBE3B (2.1)	CCDC18 (1.9)
KCTD19 (1.7)	LIPG (1.7)
C11orf9 (1.5)	PVRL2 (1.5)
MIEN1 (2.0)	DPEP2 (2.0)
FPR3 (1.6)	CSGALNACT1 (1.6)

C11orf9 (2.1)	ARID1A (2.1)
RLTPR (2.2)	NFATC3 (2.1)
PNMT (1.9)	KCTD6 (1.7)
LSM12 (2.2)	BCL3 (2.1)
MBD1 (2.4)	INTS10 (2.4)
DUSP3 (2.2)	ARHGAP1 (2.1)
PGS1 (1.9)	TRADD (1.9)
CCDC18 (2.1)	UBE3B (2.0)
CCDC18 (2.1)	UBE3B (2.0)
MYO5B (1.9)	HCAR1 (1.9)
DUS2L (2.4)	PSMC3 (2.0)
NUP160 (1.7)	CENPT (1.7)
C1orf172 (1.9)	CTDSPL2 (1.9)
C1orf172 (1.9)	CTDSPL2 (1.9)
MADD (2.2)	FAM192A (2.0)
NFATC3 (2.3)	MADD (2.1)
CPNE2 (2.5)	TMEM62 (2.5)
DYM (2.2)	ENSG00000247445 (2
LIPG (2.2)	DOK4 (2.1)
C18orf32 (2.0)	GPER (2.0)
NUP160 (2.3)	NUTF2 (2.3)
LILRA3 (1.7)	C12orf43 (1.7)
LCMT2 (2.0)	C7orf50 (1.9)
POLR2C (2.2)	SLC7A6OS (2.2)
ZNF259 (2.7)	CELF1 (2.7)
TTC39B (1.9)	SNX10 (1.9)
TTC39B (1.9)	SNX10 (1.9)
PLA2G15 (1.7)	PTPRZ1 (1.7)
SLC9A5 (1.9)	MTMR3 (1.9)
NLRC5 (2.1)	MON1A (2.0)
NUP160 (2.9)	BAZ1B (2.8)
ZNF664 (1.6)	KLF14 (1.6)
BUD13 (1.8)	EPB42 (1.8)
ZNF614 (2.1)	E2F4 (2.0)
C16orf48 (2.0)	ENSG00000226334 (1
C18orf32 (1.8)	LIPC (1.7)
ENSG00000179523 (1	OR5I1 (1.6)
MPP3 (2.7)	C11orf49 (2.5)
DUSP3 (2.2)	KBTBD4 (2.2)
SLC12A3 (2.2)	ELMO3 (2.2)
E2F4 (2.5)	RBPJ (2.5)
GPN2 (1.7)	ABCB9 (1.7)
ERBB2 (1.8)	FZD9 (1.8)
TP53BP1 (2.4)	MT1E (2.3)
SPG11 (2.0)	CSGALNACT1 (2.0)
PYY (1.9)	ABCB9 (1.9)
FHOD1 (2.4)	MPP3 (2.4)
AMBRA1 (2.5)	GPN2 (2.5)
HNF4A (1.8)	MYBPC3 (1.8)
FNBP4 (2.4)	IGF2R (2.3)

SBNO1 (2.2)	YDJC (2.1)
SLC12A4 (1.8)	ZNF615 (1.7)
PCSK7 (2.0)	KCTD19 (1.9)
NUP160 (2.7)	YDJC (2.6)
NRBF2 (2.2)	PLEKHG4 (2.1)
KLF14 (1.8)	CCDC11 (1.8)
CASC4 (1.9)	CXXC1 (1.8)
SEC14L4 (0.7)	TMEM175 (0.7)
LSM12 (2.7)	MIEN1 (2.6)
FRMD5 (1.6)	CATSPER2 (1.6)
CENPT (2.7)	BAZ1B (2.7)
CATSPER2 (2.3)	ZNF259 (2.2)
ARID1A (2.5)	BUD13 (2.4)
NFATC3 (2.2)	AFF1 (2.0)
NEUROD2 (2.2)	GNAO1 (2.1)
VEGFA (2.7)	DDX28 (2.7)
TMEM62 (2.4)	TP53BP1 (2.2)
GPER (2.1)	LRP4 (1.9)
DUSP3 (0.7)	FADS1 (0.7)
CCDC11 (2.1)	CLPTM1 (2.0)
OGFOD1 (2.2)	PGS1 (2.0)
ARHGAP1 (2.2)	EIF3J (2.0)
SPI1 (2.3)	C11orf9 (2.3)
HNF4A (1.8)	ENSG00000181296 (1
TOMM40 (2.2)	LSM12 (2.1)
DNAH10 (2.0)	KLF14 (2.0)
ZNF664 (2.2)	CELF1 (2.2)
SFN (2.1)	STRC (2.1)
SNORD58C (1.9)	SMPD3 (1.9)
RBM6 (3.3)	CTDSPL2 (3.3)
CDK12 (2.3)	ERBB2 (2.2)
LIPC (2.0)	CETP (1.9)
CTDSPL2 (2.8)	TP53BP1 (2.8)
CITED2 (1.9)	E2F4 (1.9)
PDE3A (2.0)	NEUROD2 (1.9)
HARBI1 (1.9)	THAP11 (1.9)
OR5L2 (2.3)	MST1R (2.0)
KCTD19 (1.9)	NR1H3 (1.8)
PSKH1 (2.1)	ENSG00000226645 (2
PCSK7 (2.0)	C18orf32 (1.9)
ENSG00000226334 (1	HNF1A (1.8)
RAB11B (2.3)	TRPS1 (2.2)
NOL3 (1.9)	ABCA8 (1.8)
BBS2 (1.9)	CITED2 (1.9)
PTPRZ1 (2.1)	SCARB1 (2.1)
MACF1 (2.1)	MYO5B (2.1)
OR4A21P (2.0)	NCOA5 (2.0)
SOST (2.2)	ENSG00000254235 (2
ELMO3 (1.9)	PLEKHG4 (1.9)
PSMC3 (2.2)	PPIP5K1 (2.1)

ARHGAP1 (2.2)	ERBB2 (2.0)
GPER (1.9)	TMEM101 (1.8)
ABCB9 (1.8)	NR1H3 (1.8)
TRNP1 (2.0)	HNF1A (1.9)
TMEM101 (3.5)	TMED5 (3.4)
HDAC5 (1.6)	COBLL1 (1.6)
KIAA0754 (2.0)	C1QTNF4 (1.8)
GNAO1 (1.7)	TRNP1 (1.6)
CCDC116 (2.0)	PDE3A (2.0)
CELF1 (2.4)	RELB (2.4)
SPG11 (2.5)	MACF1 (2.4)
KANK2 (1.6)	KLF14 (1.6)
BACE1 (2.1)	PPIP5K1 (2.1)
ABCB9 (2.1)	ENSG00000255507 (2
PITPNM2 (1.7)	UBR1 (1.7)
CCDC11 (2.1)	RLTPR (2.1)
PIGV (1.8)	TECTB (1.8)
C16orf86 (2.1)	MTCH2 (2.1)
RNF214 (2.3)	DYM (2.3)
OR5I1 (2.0)	CCNDBP1 (1.9)
ABCB9 (1.9)	DOCK6 (1.9)
ENSG00000247445 (2	ENSG00000254235 (2
GPN2 (2.4)	ACD (2.3)
GPN2 (2.4)	ACD (2.3)
SLC7A6OS (2.2)	CTDSPL2 (2.1)
PSMC3 (2.4)	MPHOSPH9 (2.3)
PLEKHG4 (2.1)	ETV5 (1.9)
WDR76 (2.1)	POLR2C (2.0)
GPER (1.8)	TRPS1 (1.8)
MST1R (2.1)	UBE3B (2.0)
MACF1 (1.7)	ENSG00000181123 (1
RBPJ (1.8)	PPP1R1B (1.8)
COX19 (1.9)	CATSPER2 (1.9)
ENSG00000247445 (2	PLA2G15 (2.0)
RSPRY1 (2.8)	SPG11 (2.8)
PITPNM2 (2.4)	C1QTNF4 (2.1)
DCPS (2.0)	PDHB (2.0)
FRMD5 (1.8)	MADD (1.8)
FRMD5 (1.8)	MADD (1.8)
CLPTM1 (2.3)	C18orf32 (2.2)
CKAP5 (2.5)	CMIP (2.3)
MADD (1.9)	SNX13 (1.9)
NUP93 (1.9)	JMJD1C (1.9)
ZNF613 (1.7)	AFF1 (1.6)
ZNF613 (1.7)	AFF1 (1.6)
EDC4 (1.8)	NRBF2 (1.8)
CCDC116 (1.8)	TRIB1 (1.8)
TOMM40 (1.9)	PGS1 (1.9)
MAP1A (1.9)	OR5L2 (1.8)
PDHB (2.7)	DDX28 (2.5)

KBTBD4 (1.8)	NFATC3 (1.7)
CSGALNACT1 (2.0)	TTBK2 (2.0)
TGM5 (2.2)	KIAA0895L (2.2)
KIAA0895L (1.8)	TBL2 (1.8)
GFOD2 (1.7)	TMEM175 (1.7)
TRNP1 (1.8)	ENSG00000223745 (1
PSMC3 (2.0)	NUDT21 (1.9)
MTMR3 (2.5)	CDK12 (2.5)
LILRB2 (1.6)	NRBF2 (1.6)
MED1 (2.4)	DDX28 (2.4)
RAB11B (2.0)	NUTF2 (2.0)
HARBI1 (2.4)	ENSG00000226645 (2
KLF14 (1.7)	LRRC29 (1.6)
KLF14 (1.7)	LRRC29 (1.6)
WDR76 (1.9)	FEN1 (1.9)
PXK (2.1)	PPIP5K1 (2.0)
INTS10 (2.6)	ENSG00000181296 (2
FRMD5 (1.7)	NOL3 (1.6)
CCDC92 (2.2)	PAFAH1B2 (2.1)
PDIA3 (2.2)	HERPUD1 (2.0)
GALNT2 (1.6)	CATSPER2 (1.5)
HDAC5 (2.1)	ENSG00000247445 (2
DDX28 (2.0)	SLC7A6 (1.9)
RLTPR (2.1)	UVRAG (2.1)
BACE1 (1.7)	FZD9 (1.7)
EYA3 (2.0)	TRADD (2.0)
ZNF664 (1.8)	REEP3 (1.8)
MPHOSPH9 (2.2)	C12orf65 (2.1)
MPHOSPH9 (2.2)	C12orf65 (2.1)
OR4A1P (1.9)	PXK (1.9)
LIPG (2.3)	HNF1A (2.2)
RBM5 (2.2)	TOMM40 (2.2)
NEUROD2 (2.1)	TRPS1 (1.9)
FNBP4 (1.7)	PSMC3 (1.7)
FNBP4 (1.7)	PSMC3 (1.7)
SETD8 (1.9)	PTPRJ (1.9)
DPEP3 (1.8)	MADD (1.6)
PTPMT1 (2.0)	YDJC (1.9)
MPP3 (2.2)	KIAA0895L (2.1)
NPEPPS (1.9)	HDAC5 (1.9)
NUP93 (2.3)	C12orf43 (2.2)
CLPTM1 (2.2)	PRMT7 (2.2)
HCAR1 (2.0)	GALNT2 (1.8)
NUP160 (2.9)	CENPT (2.9)
RBM6 (1.9)	INTS10 (1.8)
CCDC92 (2.6)	SNX10 (2.3)
POLR2C (2.2)	DDX28 (2.1)
SPG11 (1.8)	CCL22 (1.7)
DDX28 (2.3)	TUBGCP4 (2.2)
PDE3A (1.8)	RSPO3 (1.7)

EIF3J (2.3)	NUP160 (2.2)
CYP2W1 (2.0)	MT1F (2.0)
E2F4 (2.4)	ARID1A (2.4)
RSPO3 (2.0)	ESRP2 (2.0)
C11orf49 (1.8)	PTPMT1 (1.8)
CYP2W1 (1.7)	ENSG00000256746 (1
DNAH10 (1.6)	ZNF664 (1.6)
KCTD6 (2.0)	SLC9A5 (2.0)
MFAP1 (2.1)	C17orf57 (2.1)
FRMD5 (1.8)	COQ9 (1.8)
DGKG (2.4)	RLTPR (2.4)
LRP4 (1.9)	TBKBP1 (1.9)
GPIHBP1 (1.7)	BMP8A (1.7)
BAZ1B (3.0)	MPHOSPH9 (2.9)
EIF3J (1.6)	ENSG00000226334 (1
SLC7A6OS (2.1)	TOMM40 (2.0)
PCSK7 (1.7)	ELMO3 (1.6)
RELB (1.7)	SLC7A6OS (1.7)
UBR1 (3.0)	C16orf48 (3.0)
CCDC116 (2.1)	ABCA8 (2.1)
ADAL (2.0)	UBR1 (1.9)
FZD9 (1.6)	CD36 (1.6)
NUDT21 (2.5)	BAZ1B (2.5)
CXXC1 (2.0)	MPHOSPH9 (1.9)
KLF14 (1.9)	MYO5B (1.9)
RSPO3 (1.8)	RAPSN (1.8)
BCAM (2.0)	CDK12 (2.0)
TGM5 (2.0)	ENSG00000247445 (2
LCMT2 (2.7)	C18orf32 (2.6)
SLC7A6OS (2.2)	GPN2 (2.1)
PSMB10 (1.8)	LILRB2 (1.7)
RLTPR (1.7)	NFATC3 (1.7)
INTS10 (2.5)	GPN2 (2.4)
BMP8A (2.0)	CELF1 (1.9)
LIPG (2.0)	TECTB (1.9)
RBM6 (2.3)	NUP160 (2.3)
C11orf9 (1.8)	UBE3B (1.7)
GPN2 (2.3)	C12orf43 (2.1)
ENSG00000236267 (1	C17orf105 (1.9)
RSPO3 (1.9)	EPB42 (1.6)
TUBGCP4 (1.6)	PNMT (1.6)
DDX28 (2.0)	NUP160 (2.0)
DDX28 (2.4)	SNORD58C (2.4)
PPIP5K1 (1.8)	PNMT (1.7)
CLPTM1 (2.0)	DPEP2 (2.0)
GNAO1 (2.4)	GLUL (2.3)
ZNF408 (2.5)	C12orf43 (2.4)
BAZ1B (2.9)	C16orf48 (2.8)
ZNF615 (2.2)	CENPT (2.2)
MYBPC3 (1.9)	KLHL8 (1.9)

SNX13 (1.8)	CASC4 (1.8)
C17orf57 (2.1)	PACSIN3 (2.0)
STRC (2.1)	SPG11 (2.0)
CELF1 (2.2)	ABCB9 (2.2)
CYP2W1 (2.1)	TECTB (2.1)
PIGV (2.3)	AFF1 (2.3)
LILRB2 (1.9)	GLUL (1.9)
POLR2C (2.4)	CDK12 (2.4)
ZNF615 (1.8)	AMBRA1 (1.8)
ANGPTL4 (1.8)	TRPS1 (1.8)
UBE2L3 (2.1)	FHOD1 (2.0)
SLC9A5 (1.8)	CCL17 (1.7)
SOST (1.9)	AMFR (1.9)
ELMO3 (2.1)	ENSG00000179523 (2
RSPRY1 (1.9)	THAP11 (1.9)
AMFR (2.2)	PXK (2.1)
CCL17 (2.1)	NRBF2 (2.1)
KLHL8 (2.1)	CTDSPL2 (2.1)
ZNF614 (2.1)	RBPJ (2.0)
PCIF1 (1.8)	LRRC29 (1.8)
ARFGAP2 (2.2)	PSMC3 (2.0)
GALNT2 (1.8)	KLF14 (1.7)
PVRL2 (2.2)	BACE1 (2.2)
CDK12 (2.2)	FZD9 (2.2)
NUP93 (2.9)	EIF3J (2.9)
NUDT21 (2.4)	SEC14L4 (2.3)
PYY (2.1)	SLC9A5 (2.0)
NR0B2 (2.2)	ZNF335 (2.2)
E2F4 (1.9)	C16orf48 (1.8)
SLC7A6OS (2.3)	DUS2L (2.2)
DNAH10 (1.8)	AMFR (1.7)
KANK2 (1.8)	BCAM (1.7)
MTCH2 (2.3)	CTDSPL2 (2.3)
MTCH2 (2.3)	CTDSPL2 (2.3)
KIAA0895L (2.2)	ENSG00000179523 (2
DUS2L (1.8)	NCOA5 (1.8)
DUS2L (1.8)	NCOA5 (1.8)
DUS2L (1.8)	NCOA5 (1.8)
LCMT2 (2.4)	ERBB2 (2.3)
ACD (2.6)	NUP93 (2.5)
BCL7B (2.4)	MTF2 (2.3)
RLTPR (1.9)	CLPTM1 (1.8)
KANK2 (2.1)	RSPO3 (2.0)
LRRC29 (1.7)	CCL22 (1.6)
PSKH1 (1.8)	FBXL20 (1.8)
PCSK7 (1.7)	ACP2 (1.6)
PCSK7 (1.7)	ACP2 (1.6)
PCSK7 (1.7)	ACP2 (1.6)
PCSK7 (1.7)	ACP2 (1.6)
RNF214 (1.5)	ENSG00000226645 (1

ERBB2 (2.2)	CX3CL1 (2.2)
SOST (1.9)	IGF2R (1.6)
OGFOD1 (2.1)	ABCB9 (2.1)
MYO5B (2.2)	HDAC5 (1.9)
CD300LG (2.3)	CCDC116 (2.3)
LCMT2 (2.4)	DDB2 (2.4)
NUP160 (2.4)	NUDT21 (2.4)
LSM12 (2.2)	ZNF615 (2.1)
B3GNT9 (2.2)	GFOD2 (2.1)
SCARB1 (1.9)	PAFAH1B2 (1.8)
MON1A (2.3)	ZNF614 (2.3)
C11orf9 (2.1)	C17orf57 (2.1)
DNAH10 (1.7)	FZD9 (1.7)
CYP2W1 (1.9)	CELSR2 (1.9)
MST1R (2.1)	DYM (2.1)
COQ9 (1.8)	DCPS (1.7)
KIAA0895L (1.9)	MFAP1 (1.9)
SETD8 (2.0)	ZNF614 (2.0)
SETD8 (2.0)	ZNF614 (2.0)
LILRB2 (2.0)	NFATC3 (2.0)
LILRB2 (2.0)	NFATC3 (2.0)
LILRB2 (2.0)	NFATC3 (2.0)
NUTF2 (2.3)	CLPTM1 (2.2)
NPEPPS (2.2)	SBNO1 (2.2)
MYBPC3 (1.9)	NR0B2 (1.8)
ENSG00000247445 (2	MIEN1 (2.3)
KCTD10 (1.9)	MAP1A (1.9)
C7orf50 (2.2)	NUTF2 (2.2)
GPN2 (2.2)	OGFOD1 (2.2)
TBKBP1 (2.0)	GPIHBP1 (2.0)
LIPG (1.9)	ZNF613 (1.9)
MPHOSPH9 (2.2)	RBM6 (2.1)
CTDSPL2 (2.6)	BAZ1B (2.3)
EYA3 (1.9)	TBKBP1 (1.8)
G6PC3 (2.7)	PIGV (2.7)
MT1E (1.8)	TOMM40 (1.8)
KPNB1 (1.9)	NUP93 (1.9)
MPHOSPH9 (2.3)	UBE2L3 (2.1)
CES4A (2.2)	LCMT2 (2.2)
DOK4 (1.9)	G6PC3 (1.8)
BMP8A (2.2)	PTPMT1 (2.2)
JMJD1C (2.0)	PPP1R1B (1.9)
ENSG00000223745 (2	THAP11 (2.8)
MACF1 (2.1)	CX3CL1 (2.0)
RBM5 (2.4)	MPHOSPH9 (2.4)
FRMD5 (1.4)	TECTB (1.4)
PSMC3 (2.1)	POLR2C (2.1)
GPN2 (2.0)	CXXC1 (1.9)
MFAP1 (2.4)	CENPT (2.4)
C16orf48 (2.1)	TP53BP1 (2.1)

TBKBP1 (2.0)	ETV5 (1.8)
SNORD58C (2.5)	ARFGAP2 (2.3)
DDX28 (2.0)	ENSG00000223745 (2
BBS2 (2.3)	SPRYD5 (2.2)
DEPDC1 (2.4)	SKA1 (2.2)
PLA2G6 (1.8)	AMFR (1.7)
SPRYD5 (2.3)	THAP11 (2.2)
MST1R (2.2)	OR5L2 (1.9)
PAFAH1B2 (2.3)	NPEPPS (2.2)
ENSG00000226334 (1	ENSG00000254235 (1
KLHL8 (2.2)	CXXC1 (2.2)
C18orf32 (2.4)	PSMB10 (2.2)
CMIP (1.6)	TMEM101 (1.3)
CBFB (1.8)	B3GNT9 (1.8)
MIEN1 (2.3)	UBE2L3 (2.3)
C1QTNF4 (2.3)	KCTD19 (2.1)
ARFGAP2 (2.0)	TOMM40 (1.9)
ACD (3.1)	NUP93 (2.9)
SLC39A13 (2.6)	B3GNT9 (2.6)
CITED2 (1.8)	CELF1 (1.7)
LRRC29 (2.3)	TECTB (2.0)
PTPMT1 (2.5)	TGM5 (2.4)
AMBRA1 (2.0)	SOST (1.9)
GFOD2 (1.8)	C11orf49 (1.8)
TBKBP1 (2.1)	CELSR2 (2.1)
ST3GAL4 (1.7)	TMEM101 (1.7)
SNX10 (1.9)	CELSR2 (1.8)
KCTD19 (1.7)	SMPD3 (1.7)
KCTD19 (1.7)	SMPD3 (1.7)
AMFR (2.6)	GALNT2 (2.4)
MADD (1.7)	ENSG00000179523 (1
RLTPR (1.9)	FADS1 (1.9)
TMEM175 (2.0)	MPP3 (1.9)
PLA2G6 (2.1)	HARBI1 (2.0)
CATSPER2 (2.4)	NPEPPS (2.4)
ARFGAP2 (2.6)	C16orf70 (2.4)
APOE (1.6)	DPEP2 (1.6)
C7orf50 (2.5)	MTF2 (2.4)
DNAH10 (2.2)	ENSG00000226334 (2
C18orf32 (2.2)	MIEN1 (2.1)
TNKS (1.9)	CD300LG (1.8)
SEC14L4 (1.5)	SIDT2 (1.5)
PCSK7 (2.1)	ABCB9 (1.9)
HNF1A (2.2)	SLC12A3 (2.2)
PNMT (2.1)	C11orf49 (2.0)
MADD (2.0)	PARD6A (2.0)
ZNF408 (2.4)	GPN2 (2.3)
ACD (2.5)	CENPT (2.5)
NUDT21 (2.9)	DDX28 (2.8)
DCPS (2.1)	CPNE2 (2.0)

PRMT7 (2.6)	SLC7A6 (2.5)
ZNF408 (2.4)	PRMT7 (2.3)
PDIA3 (1.6)	CETP (1.6)
ZSCAN29 (2.2)	TNKS (2.2)
PITPNM2 (2.2)	DYM (2.1)
TMEM101 (1.7)	DYM (1.7)
TMEM175 (2.0)	GPER (2.0)
OASL (1.7)	PGS1 (1.7)
ZNF614 (1.9)	CD40 (1.9)
ZSCAN29 (1.9)	ENSG00000179523 (1
C7orf50 (2.2)	SBNO1 (2.2)
SLC7A6 (1.6)	DOK4 (1.5)
CENPT (3.1)	C16orf48 (3.1)
ACD (2.7)	E2F4 (2.5)
APOA4 (1.6)	ENSG00000256746 (1
SPG11 (2.8)	LCMT2 (2.3)
SLC9A5 (2.1)	PAFAH1B2 (2.1)
ENSG00000182109 (1	BMP8A (1.6)
ENSG00000182109 (1	BMP8A (1.6)
PSMC3 (1.8)	CITED2 (1.6)
HDAC5 (2.1)	THAP11 (1.9)
TGM7 (1.8)	FZD9 (1.8)
ZNF335 (2.3)	TRNP1 (2.2)
AGBL2 (2.4)	ENSG00000181123 (2
MPP3 (2.0)	CYP2W1 (1.9)
CX3CL1 (1.9)	TRPS1 (1.9)
CLPTM1 (1.7)	NDUFS3 (1.7)
TGM5 (1.7)	SLC39A13 (1.6)
AMFR (2.3)	ABCB9 (2.3)
MYO5B (2.0)	CITED2 (2.0)
PLTP (1.5)	DOK4 (1.5)
CCDC18 (2.6)	PACSIN3 (2.6)
SKA1 (2.4)	EPB42 (2.2)
ERBB2 (2.0)	KLHL8 (2.0)
IGF2R (2.0)	PLA2G15 (2.0)
HCAR1 (2.1)	OR4A21P (2.1)
ZNF259 (2.0)	OGFOD1 (1.9)
OR4A1P (2.4)	ENSG00000181296 (2
ENSG00000236267 (1	MED1 (1.7)
NUP93 (2.3)	CLPTM1 (2.2)
C17orf57 (1.8)	C1orf172 (1.8)
CCL17 (2.2)	CCL22 (2.0)
ARID1A (2.3)	CDK12 (2.3)
C1QTNF4 (2.2)	CYP2W1 (2.2)
TP53BP1 (1.9)	CCNDBP1 (1.8)
DUSP3 (2.0)	CKAP5 (1.9)
ARHGAP1 (2.6)	ARFGAP2 (2.6)
CDK12 (2.4)	CELF1 (2.3)
CASC4 (2.1)	TMEM175 (2.1)
ABCA8 (1.9)	GRB7 (1.9)

PXK (2.0)	HNF1A (2.0)
KLHL8 (2.0)	AMBRA1 (2.0)
ELMO3 (1.8)	SPI1 (1.6)
CTRL (1.7)	SLC12A4 (1.7)
NUTF2 (2.3)	EIF3J (2.1)
MPP2 (1.9)	BACE1 (1.8)
RAPSN (2.2)	ENSG00000181123 (2
CES4A (1.8)	KLHL8 (1.8)
DPEP2 (1.7)	CELSR2 (1.6)
ANGPTL4 (2.0)	TBKBP1 (1.9)
PTPMT1 (2.0)	NUTF2 (2.0)
EXOC3L1 (2.0)	KCTD10 (2.0)
DDB2 (2.8)	CENPT (2.8)
BCL7B (2.4)	MIEN1 (2.4)
KLF14 (2.1)	E2F4 (2.0)
DOK4 (2.2)	ARHGAP1 (2.1)
CES4A (2.0)	MYO5B (1.9)
CES4A (2.0)	MYO5B (1.9)
SETD8 (2.3)	DR1 (2.3)
NFATC3 (2.0)	ZDHHC18 (1.9)
NFATC3 (2.0)	ZDHHC18 (1.9)
EPB42 (2.1)	KCTD10 (2.0)
MTMR3 (2.5)	CASC4 (2.4)
TBKBP1 (1.9)	EXOC3L1 (1.8)
DDB2 (2.7)	C16orf48 (2.6)
OGFOD1 (2.4)	SEC14L4 (2.4)
OGFOD1 (2.4)	SEC14L4 (2.4)
SBNO1 (2.0)	RBM6 (1.9)
RNF214 (2.5)	ZNF259 (2.4)
REEP3 (2.3)	PSMC3 (2.2)
BAZ1B (2.3)	DCPS (2.2)
C12orf43 (1.9)	YDJC (1.9)
MTMR3 (2.6)	UBR1 (2.5)
MED1 (1.8)	NUDT21 (1.8)
NPEPPS (1.9)	ENSG00000255507 (1
NUP160 (2.6)	UBR1 (2.4)
KLHL8 (1.8)	RAB11B (1.8)
GPER (1.7)	DGKG (1.6)
TRNP1 (2.4)	KIAA0754 (2.4)
WDR76 (2.0)	ENSG00000179523 (1
EYA3 (1.7)	FZD9 (1.7)
C12orf65 (2.3)	PTPMT1 (2.2)
ARID1A (2.8)	NUP93 (2.7)
GNAO1 (2.1)	CCDC116 (2.0)
ENSG00000179523 (2	KLHL8 (2.5)
RANBP10 (2.0)	MT1X (2.0)
JMJD1C (2.0)	SIK3 (2.0)
ACP2 (2.4)	GALNT2 (2.2)
C17orf105 (1.8)	KLHL8 (1.7)
RANBP10 (2.4)	CCNDBP1 (2.3)

C16orf48 (2.7)	ACD (2.7)
GRB7 (2.9)	DYM (2.9)
DR1 (2.5)	CCDC11 (2.4)
OR5L2 (2.3)	CD300LG (2.3)
PACSIN3 (1.9)	DOCK6 (1.9)
AFF1 (1.3)	C11orf9 (1.3)
PNMT (1.6)	ARHGAP1 (1.6)
MYO5B (2.2)	LRRC29 (2.1)
INTS10 (2.1)	DUS2L (1.9)
CCNDBP1 (2.4)	C16orf48 (2.4)
CCNDBP1 (2.4)	C16orf48 (2.4)
CCNDBP1 (2.4)	C16orf48 (2.4)
ZFAND2A (2.4)	TMEM101 (2.2)
PDIA3 (1.7)	CELSR2 (1.7)
PSMC3 (2.3)	NUP93 (2.3)
ZNF335 (1.8)	C1QTNF4 (1.8)
OR5L2 (1.7)	DDB2 (1.6)
MAP1A (2.0)	CELSR2 (1.8)
NUTF2 (1.8)	RSPRY1 (1.8)
CENPT (2.3)	CETP (2.3)
PSMC3 (2.3)	PRMT7 (2.2)
MIEN1 (1.9)	TOMM40 (1.8)
TRPS1 (1.9)	KCTD19 (1.9)
ENSG00000256746 (2	CLPTM1 (2.0)
CIAPIN1 (2.2)	ACAA2 (2.2)
KCTD10 (1.8)	CX3CL1 (1.7)
GNAO1 (2.0)	AFF1 (2.0)
ARHGAP1 (2.6)	TAGLN (2.5)
EDC4 (2.8)	UBR1 (2.8)
LRP4 (1.5)	CX3CL1 (1.5)
KCTD19 (2.0)	C16orf86 (2.0)
UBR1 (2.3)	RSPRY1 (2.2)
FZD9 (2.2)	ABCB9 (1.9)
HERPUD1 (1.6)	REEP3 (1.6)
C17orf57 (2.0)	HDAC5 (1.9)
FPR3 (2.2)	EYA3 (2.1)
PTPRJ (1.7)	SLC12A4 (1.7)
POLR2C (1.8)	FAM192A (1.8)
FRMD5 (2.1)	ZSCAN29 (1.9)
ACD (2.7)	CCNDBP1 (2.6)
EIF3J (1.9)	ZNF259 (1.8)
B3GNT9 (1.7)	ENSG00000254235 (1
ZNF664 (2.2)	RAPSN (2.2)
LPL (2.0)	GPIHBP1 (1.8)
CLPTM1 (1.9)	CETP (1.9)
BCAM (2.7)	ZNF615 (2.2)
OGFOD1 (2.6)	GPN2 (2.6)
DPEP3 (2.6)	TSNAXIP1 (2.3)
COX19 (2.1)	PSMB10 (2.0)
KLF14 (1.9)	BMP8A (1.9)

CCDC116 (1.4)	LCAT (1.4)
C17orf57 (2.1)	KCTD19 (2.1)
TOMM40 (2.1)	KPNB1 (2.0)
CELSR2 (2.1)	DOK4 (2.1)
C16orf70 (2.0)	NPEPPS (2.0)
KLF14 (2.1)	OR5L2 (1.9)
DUSP3 (1.9)	KIAA0754 (1.8)
HDAC5 (1.7)	CDK12 (1.6)
TRNP1 (2.2)	PDIA3 (2.2)
NFATC3 (2.4)	RBM6 (2.4)
MAP1A (3.0)	CCDC18 (2.8)
TMEM175 (2.1)	CYP26A1 (2.1)
MAFF (1.9)	EPB42 (1.8)
GPN2 (2.0)	OGFOD1 (2.0)
PTPRZ1 (2.4)	MT1F (2.4)
YDJC (2.6)	SNORD58C (2.5)
ARID1A (1.7)	OASL (1.6)
MT1G (1.8)	MT1E (1.8)
C18orf32 (2.1)	PSMB10 (2.1)
C18orf32 (2.1)	PSMB10 (2.1)
CCL22 (1.8)	AGBL2 (1.8)
MAP1A (2.4)	CLPTM1 (2.4)
RAB11B (1.9)	TMED5 (1.8)
TMEM208 (2.2)	MTCH2 (2.1)
TMEM208 (2.2)	MTCH2 (2.1)
TMEM208 (2.2)	MTCH2 (2.1)
DOCK6 (1.7)	C11orf49 (1.7)
C18orf32 (2.3)	COX19 (2.2)
ZNF614 (1.9)	LILRB2 (1.8)
ELMO3 (2.3)	XKR8 (2.2)
TMEM175 (2.0)	ENSG00000255507 (2
NOL3 (1.8)	LRRC29 (1.8)
C12orf43 (2.4)	LCMT2 (2.4)
NEUROD2 (1.9)	PTPRZ1 (1.9)
DOK4 (1.6)	PVRL2 (1.6)
TOMM40 (2.5)	C18orf32 (2.4)
TOMM40 (2.5)	C18orf32 (2.4)
DOK4 (1.8)	CCDC92 (1.7)
SNORD58C (3.1)	DYM (2.8)
DUS2L (2.1)	YDJC (2.0)
AGBL2 (1.8)	SIK3 (1.8)
MT1X (1.2)	ZSCAN29 (1.2)
GPIHBP1 (1.6)	DPEP3 (1.6)
RLTPR (2.0)	PITPNM2 (2.0)
OGFOD1 (2.3)	MED1 (2.2)
ACD (2.4)	PARD6A (2.4)
CATSPER2 (2.0)	C17orf57 (1.9)
LRP4 (2.1)	CTRL (2.0)
C12orf65 (1.7)	BAZ1B (1.5)
DCPS (2.5)	C7orf50 (2.5)

DCPS (2.5)	C7orf50 (2.5)
RBM6 (2.4)	CIAPIN1 (2.3)
ABHD6 (2.2)	PLA2G15 (2.2)
SPI1 (1.4)	TP53BP1 (1.4)
GLUL (2.4)	LIPG (2.1)
RSPRY1 (1.8)	SKA1 (1.8)
TP53BP1 (2.2)	ENSG00000247445 (2
CD40 (2.0)	CATSPER2 (2.0)
SLC12A3 (2.3)	SLC9A5 (2.3)
STRC (2.2)	OR5L2 (2.0)
DCPS (2.2)	DGKG (2.0)
ENSG00000226645 (1	PVRL2 (1.6)
AFF1 (1.9)	TTC39B (1.8)
GPER (2.0)	MT1F (2.0)
AMFR (2.0)	LIPG (2.0)
TAGLN (2.5)	KANK2 (2.4)
RSPRY1 (2.3)	PLA2G6 (2.1)
TRADD (2.3)	NOL3 (2.2)
KCTD19 (2.2)	C17orf105 (2.2)
PTPRZ1 (2.0)	SLC9A5 (1.8)
PTPRZ1 (2.0)	SLC9A5 (1.8)
VEGFA (2.2)	ENSG00000247445 (2
KIAA0895L (2.0)	ENSG00000256746 (2
TMEM101 (1.9)	LILRA3 (1.9)
SNORD58C (2.4)	NUP93 (2.3)
CLPTM1 (1.7)	MT1X (1.7)
EIF3J (1.9)	DYM (1.8)
ENSG00000223745 (2	C12orf43 (2.1)
LPA (2.3)	GRB7 (2.1)
MON1A (2.1)	PSMB10 (2.1)
C16orf86 (2.1)	LILRB2 (1.9)
LCMT2 (2.0)	KPNB1 (2.0)
ENSG00000255507 (1	OR5L2 (1.9)
C7orf50 (2.2)	RBM6 (2.0)
KBTBD4 (2.5)	CXXC1 (2.5)
C18orf32 (2.0)	TMEM175 (2.0)
KLHL8 (1.9)	C12orf65 (1.9)
PYY (1.7)	RSPO3 (1.7)
COX19 (1.6)	ABHD6 (1.4)
PTPMT1 (1.3)	UBE3B (1.3)
NUP160 (2.8)	ACD (2.7)
C16orf70 (2.4)	POLR2C (2.4)
WDR76 (2.5)	BAZ1B (2.5)
CENPT (1.6)	MYO1H (1.6)
ENSG00000226645 (1	PSMC3 (1.9)
TTC39B (1.8)	VEGFA (1.6)
TMEM101 (2.6)	TRPS1 (2.5)
SPG11 (2.8)	ACD (2.8)
SPG11 (2.8)	ACD (2.8)
DUSP3 (2.5)	TRNP1 (2.3)

ENSG00000256746 (2	TMEM175 (2.0)
MPP3 (1.7)	C16orf86 (1.7)
C17orf105 (2.0)	BACE1 (1.9)
EYA3 (2.1)	C16orf70 (2.0)
MST1R (2.5)	KIAA0895L (2.5)
CCDC11 (1.9)	PVRL2 (1.9)
TMEM208 (2.0)	ABCB9 (2.0)
BACE1 (2.0)	CELSR2 (1.9)
PYY (2.3)	MPP2 (2.2)
PVRL2 (1.8)	JMJD1C (1.8)
FADS2 (2.9)	FADS1 (2.9)
RBM6 (1.9)	OR5J2 (1.8)
UVRAG (2.0)	CD300LG (2.0)
OR5I1 (1.8)	RNF214 (1.8)
MED1 (2.3)	C12orf43 (2.3)
ZFAND2A (2.4)	FRMD5 (2.4)
C12orf43 (1.6)	RBPJ (1.5)
KLF14 (1.7)	BCL7B (1.7)
OASL (2.3)	NUP160 (2.3)
TSNAXIP1 (2.0)	OR5J2 (1.8)
ZNF350 (1.6)	MADD (1.5)
MPP3 (2.1)	PDHB (2.1)
PPIP5K1 (2.5)	PSMB10 (2.3)
NCOA5 (1.9)	KCTD6 (1.9)
MAFF (1.8)	ZFAND2A (1.8)
KIAA0895L (2.5)	TRPS1 (2.5)
SIK3 (2.1)	MYO1H (2.0)
PDE3A (2.2)	SLC7A6 (2.0)
EXOC3L1 (1.9)	LRRC29 (1.8)
CYP2W1 (2.1)	CYP26A1 (2.0)
SNORD58C (1.9)	MBD1 (1.8)
SNX13 (1.7)	ANGPTL4 (1.6)
KPNB1 (1.7)	TOMM40 (1.6)
C18orf32 (2.4)	ADAL (2.2)
MED1 (2.5)	YDJC (2.5)
NUTF2 (2.1)	EDC4 (2.0)
ENSG00000247445 (1	TSNAXIP1 (1.9)
DUSP3 (1.9)	ST3GAL4 (1.8)
PTPMT1 (2.6)	PYY (2.5)
B3GNT9 (2.4)	SDF2L1 (2.2)
C1orf172 (1.9)	PSKH1 (1.8)
ATG13 (1.7)	ARFGAP2 (1.7)
TRNP1 (2.0)	OR5J2 (2.0)
POLR2C (2.3)	MTCH2 (2.2)
CELSR2 (2.7)	CATSPER2 (2.6)
SLC7A6OS (2.0)	DDX28 (1.9)
ATG13 (1.9)	C1QTNF4 (1.9)
SMPD3 (1.7)	BAZ1B (1.6)
MPHOSPH9 (2.1)	WDR76 (2.0)
MIEN1 (2.3)	POLR2C (2.3)

FADS1 (1.8)	STRC (1.8)
C11orf49 (1.9)	PTPRZ1 (1.8)
C7orf50 (2.3)	OR5I1 (2.2)
ABCA1 (2.0)	MT1M (2.0)
RAB11B (2.2)	ARHGAP1 (2.2)
ABHD6 (1.6)	CETP (1.6)
MPHOSPH9 (2.8)	SKA1 (2.5)
MPHOSPH9 (2.8)	SKA1 (2.5)
ENSG00000179523 (2	ENSG00000247867 (2
MON1A (1.7)	C1QTNF4 (1.6)
CELSR2 (2.8)	BCAM (2.8)
MYO5B (2.3)	SNX10 (2.3)
CCNDBP1 (2.4)	GNAO1 (2.3)
DUS2L (3.2)	GPN2 (3.2)
C11orf49 (2.0)	MPP3 (1.9)
ENSG00000229043 (2	ATG13 (2.2)
KCTD10 (1.9)	TCAP (1.9)
C12orf43 (1.8)	KLF14 (1.7)
CASC4 (1.8)	COBLL1 (1.7)
MIEN1 (2.0)	PPIP5K1 (1.8)
MIEN1 (2.0)	PPIP5K1 (1.8)
YDJC (2.1)	SBNO1 (2.1)
ACD (2.9)	MFAP1 (2.7)
ACD (2.9)	MFAP1 (2.7)
PGAP3 (1.6)	OR5L2 (1.6)
TMED5 (2.6)	MON1A (2.6)
MTMR3 (2.4)	EIF3J (2.3)
BACE1 (2.1)	PPIP5K1 (2.0)
SNORD58C (2.3)	CTDSPL2 (2.3)
HARBI1 (3.1)	ZSCAN29 (3.1)
FHOD1 (2.1)	TBKBP1 (2.0)
ETV5 (2.0)	DOK4 (1.9)
C16orf70 (2.0)	CES4A (2.0)
ENSG00000226645 (1	PNMT (1.8)
AGBL2 (2.6)	TTBK2 (2.6)
MFAP1 (1.9)	TMEM208 (1.9)
KCTD19 (1.9)	MACF1 (1.9)
KCTD19 (1.9)	MACF1 (1.9)
RAB11B (2.1)	ZNF664 (2.0)
FBXL20 (2.5)	LRRC29 (2.4)
RBM5 (2.1)	ARHGAP1 (2.0)
HARBI1 (1.6)	TAGLN (1.6)
MIEN1 (2.3)	MPHOSPH9 (2.2)
EPB42 (2.3)	TRADD (2.2)
TMEM208 (2.4)	C16orf70 (2.4)
DUS2L (2.3)	NUTF2 (2.1)
NOL3 (2.1)	KCTD19 (2.0)
HARBI1 (1.9)	NRBF2 (1.7)
BCL7B (2.2)	TRNP1 (2.1)
UBE2L3 (2.2)	OR5I1 (2.2)

KPNB1 (1.9)	SBNO1 (1.8)
YDJC (2.0)	GPN2 (1.9)
BMP8A (2.1)	GNAO1 (2.1)
FRMD5 (1.8)	ENSG00000255507 (1
KANK2 (2.2)	REEP3 (2.1)
ENSG00000226334 (2	ABCB9 (2.1)
ZNF335 (1.8)	G6PC3 (1.6)
TP53BP1 (1.5)	RBM6 (1.4)
NOL3 (2.4)	OR4A1P (2.3)
DUS2L (2.3)	SNORD58C (2.2)
ZNF613 (2.0)	SLC7A6 (1.9)
DDX28 (2.5)	MED1 (2.4)
UBR1 (1.8)	KLF14 (1.8)
PGS1 (1.5)	TMED5 (1.5)
NLRC5 (1.6)	MT1F (1.6)
ZNF615 (2.0)	BCL7B (2.0)
BACE1 (1.6)	PCSK7 (1.3)
CITED2 (2.0)	BCAM (1.9)
EDC4 (2.1)	MED1 (2.1)
KANK2 (1.9)	SLC12A4 (1.9)
MTCH2 (2.2)	COQ9 (2.2)
SNX10 (1.9)	OR4A1P (1.8)
SBNO1 (1.8)	ENSG00000256746 (1
LRP4 (2.3)	PLTP (2.0)
REEP3 (1.6)	TECTB (1.5)
TMEM101 (2.3)	POLR2C (2.3)
DNAH10 (1.6)	ENSG00000181123 (1
NUP160 (2.3)	DUS2L (2.3)
MBD1 (2.0)	HNF1A (2.0)
BBS2 (2.2)	NUTF2 (2.1)
DUS2L (2.0)	OGFOD1 (1.8)
MYO5B (1.7)	MT1H (1.6)
PTPMT1 (2.6)	POLR2C (2.3)
TP53BP1 (2.5)	MADD (2.3)
UBE2L3 (2.5)	MIEN1 (2.5)
PGS1 (1.7)	DR1 (1.6)
PDIA3 (2.4)	PSMC3 (2.3)
PGAP3 (2.3)	ABHD6 (2.3)
ZNF613 (2.1)	RAB11B (2.0)
KCTD19 (1.9)	C1QTNF4 (1.8)
MADD (2.0)	ZDHHC18 (2.0)
DYM (2.4)	PSKH1 (2.4)
REEP3 (1.8)	SFN (1.8)
MPHOSPH9 (2.1)	SKA1 (2.0)
C11orf49 (1.7)	C16orf48 (1.7)
STRC (2.0)	MT1E (1.9)
MTCH2 (2.3)	C16orf70 (2.3)
MTCH2 (2.3)	C16orf70 (2.3)
ABHD6 (1.9)	C11orf49 (1.8)
CCL22 (1.6)	ENSG00000236267 (1

CATSPER2 (1.9)	MACF1 (1.9)
C18orf32 (2.5)	ABCA8 (2.5)
PDIA3 (2.1)	TOMM40 (2.0)
ENSG00000254235 (2	STRC (2.0)
PDIA3 (1.6)	ACAA2 (1.6)
ENSG00000179523 (2	ENSG00000255507 (2
PLA2G15 (1.9)	ARID1A (1.9)
TRNP1 (1.9)	RBM5 (1.6)
PPY (2.0)	GPIHBP1 (1.9)
HDAC5 (1.8)	HERPUD1 (1.8)
C1QTNF4 (2.3)	RLTPR (2.2)
NEUROD2 (2.1)	TGM5 (2.1)
BAZ1B (3.0)	C16orf48 (2.9)
SLC7A6OS (2.3)	NUP160 (2.3)
GALNT2 (2.0)	SDF2L1 (1.8)
MTCH2 (1.9)	PSMC3 (1.9)
PRMT7 (2.0)	SPRYD5 (2.0)
MT1F (2.0)	MT1G (2.0)
NR0B2 (2.3)	ENSG00000226334 (2
HNF1A (1.9)	FPR3 (1.8)
DUS2L (2.2)	MED1 (2.1)
TMEM101 (2.5)	NOL3 (2.3)
SBNO1 (1.8)	TNKS (1.8)
FADS1 (2.1)	BACE1 (1.9)
ENSG00000255507 (2	LIPC (1.9)
GFOD2 (2.4)	HARBI1 (2.4)
HSF4 (2.0)	MYO5B (2.0)
CELSR2 (2.4)	SIDT2 (2.4)
ENSG00000255507 (2	UBE3B (2.1)
HERPUD1 (2.3)	SNORD58C (2.3)
PLA2G6 (1.8)	ZSCAN29 (1.8)
PGAP3 (2.1)	OR4A1P (2.1)
CELF1 (1.7)	PPP1R1B (1.7)
CTDSPL2 (2.1)	ACD (2.1)
CCDC18 (2.1)	SNX13 (2.0)
FRMD5 (2.0)	TTBK2 (2.0)
GPER (2.4)	MT1M (2.4)
CIAPIN1 (2.3)	NUTF2 (2.3)
NAGS (1.9)	DPEP2 (1.7)
UBR1 (2.4)	ZDHHC18 (2.2)
SLC12A4 (2.2)	ERBB2 (2.1)
EPB42 (2.3)	AMBRA1 (2.3)
SETD8 (2.3)	WDR76 (2.3)
KLF14 (1.8)	KCTD10 (1.7)
TMEM175 (2.5)	C16orf48 (2.2)
SLC39A13 (1.6)	SEC14L4 (1.6)
ZDHHC18 (1.8)	PXK (1.8)
GPER (1.9)	TMEM62 (1.8)
BUD13 (2.5)	RBM5 (2.5)
BACE1 (1.9)	KIAA0754 (1.9)

REEP3 (2.1)	NPEPPS (2.1)
RSPRY1 (1.9)	CD300LG (1.9)
PCSK7 (1.8)	ZNF615 (1.8)
UBE3B (2.3)	PCIF1 (2.2)
KANK2 (1.8)	SLC9A5 (1.8)
TMEM208 (2.5)	SLC39A13 (2.4)
ZNF350 (1.8)	AGBL2 (1.8)
C1QTNF4 (1.9)	FADS1 (1.9)
ZNF614 (1.8)	NCOA5 (1.8)
KIAA0895L (2.0)	RLTPR (1.9)
OR5J2 (1.7)	CYP26A1 (1.5)
PTPMT1 (1.9)	GPN2 (1.9)
ENSG00000254235 (2	CX3CL1 (1.8)
ETV5 (1.7)	ENSG00000179523 (1
ETV5 (1.7)	ENSG00000179523 (1
EDC4 (2.9)	NFATC3 (2.9)
C16orf48 (2.5)	CASC4 (2.4)
DDB2 (1.7)	ELMO3 (1.7)
CIAPIN1 (2.0)	MIEN1 (1.9)
LCMT2 (1.2)	NUDT21 (1.2)
DR1 (1.8)	ZNF615 (1.8)
COBLL1 (2.3)	IGF2R (2.2)
ABCB9 (1.8)	DPEP2 (1.7)
STRC (2.0)	ENSG00000255507 (2
CKAP5 (2.5)	RBPJ (2.4)
SMPD3 (2.1)	DNAH10 (2.1)
KPNB1 (1.8)	ARID1A (1.8)
INTS10 (2.4)	EDC4 (2.4)
C16orf86 (2.0)	HSF4 (2.0)
AGBL2 (1.9)	PLTP (1.8)
ENSG00000226334 (1	GLUL (1.3)
ZNF350 (2.0)	CBFB (2.0)
HDAC5 (2.1)	MAFF (2.0)
BMP8A (1.7)	CCDC116 (1.7)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
DEPDC1 (1.8)	CKAP5 (1.8)
NOL3 (2.4)	PACSIN3 (2.4)
CTDSPL2 (2.6)	NUP93 (2.4)
C17orf105 (2.1)	ENSG00000181296 (1
TTC39B (1.9)	SNX10 (1.9)
ACD (2.0)	PDHB (2.0)
C11orf49 (2.1)	GNAO1 (2.0)
MYO1H (2.1)	ZNF408 (2.0)

C12orf43 (1.9)	EYA3 (1.9)
GPER (2.1)	HCAR1 (2.1)
DOK4 (2.6)	ERBB2 (2.4)
PITPNM2 (1.9)	KLF14 (1.8)
ZSCAN29 (2.5)	OR4A1P (2.4)
PARD6A (2.5)	ATG13 (2.4)
PARD6A (2.5)	ATG13 (2.4)
NOL3 (1.9)	DGKG (1.9)
NR0B2 (1.9)	ABCA8 (1.8)
COX19 (2.2)	C18orf32 (2.1)
NUTF2 (2.6)	TUBGCP4 (2.5)
CASC4 (2.0)	TGM5 (1.9)
NLRC5 (2.2)	DOCK6 (1.9)
BUD13 (2.2)	ENSG00000255507 (2
FADS2 (2.3)	ABHD6 (2.3)
NUP160 (2.4)	ENSG00000226645 (2
MACF1 (1.9)	NUTF2 (1.9)
COX19 (2.1)	MIEN1 (2.0)
SBNO1 (2.7)	CCNDBP1 (2.6)
UBR1 (2.4)	SLC7A6OS (2.3)
DPEP2 (1.9)	CMIP (1.9)
C16orf48 (2.4)	CCDC18 (2.3)
SCARB1 (2.2)	ERBB2 (2.0)
HARBI1 (2.3)	NUP160 (2.2)
TP53BP1 (2.2)	SPG11 (2.2)
SMPD3 (2.2)	PYY (2.0)
CCDC92 (2.2)	GNAO1 (2.1)
CKAP5 (2.0)	CTDSPL2 (2.0)
CKAP5 (2.0)	CTDSPL2 (2.0)
ERBB2 (1.5)	FHOD1 (1.5)
ENSG00000236267 (1	DNAH10 (1.6)
NUP160 (2.2)	JMJD1C (2.2)
RNF214 (1.5)	C1QTNF4 (1.5)
TRNP1 (1.9)	UBR1 (1.8)
COQ9 (2.2)	SBNO1 (2.0)
C16orf86 (1.9)	MT1F (1.8)
C16orf86 (1.9)	MT1F (1.8)
RSPO3 (1.9)	ENSG00000247867 (1
FBXL20 (2.3)	MPHOSPH9 (2.1)
NUP93 (2.6)	SKA1 (2.6)
CMIP (1.8)	FADS2 (1.7)
COX19 (2.1)	C18orf32 (2.1)
DDX28 (2.4)	NUP160 (2.2)
OR5I1 (2.2)	SLC7A6 (2.0)
FEN1 (2.4)	UBE2L3 (2.3)
CCDC11 (1.7)	ENSG00000181296 (1
PRMT7 (1.9)	INTS10 (1.9)
GRB7 (2.4)	GFOD2 (2.4)
APOE (1.3)	CITED2 (1.3)
C7orf50 (2.5)	SLC7A6OS (2.3)

MIEN1 (2.2)	C18orf32 (2.1)
OR5J2 (2.1)	SIDT2 (2.0)
TUBGCP4 (2.3)	DDB2 (2.3)
PPIP5K1 (2.0)	C18orf32 (2.0)
HDAC5 (1.9)	MPP2 (1.9)
COX19 (2.5)	MTF2 (2.5)
OR5J2 (1.5)	CETP (1.5)
OR5J2 (1.5)	CETP (1.5)
ACD (3.2)	SKA1 (3.1)
SLC9A5 (2.2)	DCPS (2.1)
CASC4 (2.3)	TGM7 (2.2)
RBM6 (1.9)	UBE2L3 (1.7)
TBL2 (2.2)	MFAP1 (2.1)
SLC12A4 (2.0)	COX19 (2.0)
SLC12A4 (1.9)	CLPTM1 (1.8)
MST1R (2.3)	PCSK7 (2.3)
NUP160 (2.3)	OGFOD1 (2.2)
C12orf43 (2.2)	ST3GAL4 (2.2)
ZNF335 (2.6)	KCTD6 (2.4)
KIAA0895L (1.8)	BACE1 (1.8)
COBLL1 (1.6)	ADAL (1.6)
ZFAND2A (2.3)	CELF1 (2.2)
MIEN1 (2.4)	KBTBD4 (2.3)
CMIP (2.0)	C11orf9 (1.8)
SPG11 (2.0)	AFF1 (1.8)
NUDT21 (2.2)	ACD (2.1)
ACAA2 (2.4)	PTPMT1 (2.2)
DOK4 (2.1)	ZNF664 (2.0)
DGKG (2.2)	KCTD10 (2.2)
ANGPTL4 (1.6)	ENSG00000182109 (1
RAPSN (2.5)	MYO1H (2.4)
MAP1A (1.6)	NOL3 (1.6)
TMED5 (1.5)	ENSG00000226645 (1
SKA1 (3.0)	MPHOSPH9 (3.0)
BAZ1B (2.9)	C16orf48 (2.8)
ACD (2.9)	INTS10 (2.8)
KPNB1 (1.9)	SNORD58C (1.8)
CD40 (2.3)	NUP93 (2.2)
LCAT (1.9)	APOE (1.8)
TOMM40 (1.9)	CIAPIN1 (1.8)
PTPRZ1 (1.8)	TMEM62 (1.7)
CYP26A1 (1.9)	PTPRZ1 (1.9)
NLRC5 (1.8)	CD40 (1.7)
PDE3A (2.1)	KANK2 (2.0)
YDJC (2.0)	MST1R (2.0)
YDJC (2.0)	MST1R (2.0)
NUP160 (3.0)	UBR1 (3.0)
YDJC (2.5)	ZNF408 (2.2)
C18orf32 (2.2)	PSMB10 (2.2)
CITED2 (1.7)	TMEM101 (1.6)

MT1E (2.2)	C1orf172 (2.2)
MBD1 (1.8)	TOMM40 (1.8)
HCAR1 (1.6)	C1orf172 (1.6)
C18orf32 (2.7)	TMEM208 (2.3)
MAP1A (2.0)	C1QTNF4 (2.0)
B3GNT9 (2.5)	PGAP3 (2.5)
B3GNT9 (2.5)	PGAP3 (2.5)
STRC (2.1)	RBM5 (2.0)
ATG13 (2.4)	MADD (2.1)
NUDT21 (2.0)	TUBGCP4 (1.9)
TMEM175 (2.7)	MON1A (2.6)
CASC4 (1.6)	C12orf65 (1.5)
RLTPR (2.1)	C1QTNF4 (2.0)
ENSG00000226334 (2	TOMM40 (2.1)
ENSG00000226334 (2	TOMM40 (2.1)
ABCB9 (2.0)	MT1F (2.0)
ACAA2 (2.4)	PPIP5K1 (2.4)
REEP3 (2.1)	RLTPR (2.0)
ARHGAP1 (2.2)	YDJC (2.2)
ANGPTL4 (1.7)	NPEPPS (1.6)
PPP1R1B (2.3)	TRNP1 (1.9)
ARFGAP2 (2.4)	GFOD2 (2.4)
NUP160 (2.4)	KLHL8 (2.3)
DYM (2.4)	EIF3J (2.3)
DYM (2.4)	EIF3J (2.3)
TRNP1 (1.7)	GLUL (1.7)
ENSG00000229043 (2	TSNAXIP1 (1.8)
MT1M (1.5)	GPER (1.5)
TTBK2 (1.7)	MED1 (1.7)
TTBK2 (1.7)	MED1 (1.7)
KIAA0754 (1.7)	MYO1H (1.7)
DOK4 (1.9)	CCDC92 (1.8)
BAZ1B (3.1)	KPNB1 (3.1)
BAZ1B (3.1)	KPNB1 (3.1)
CLPTM1 (2.1)	PLA2G6 (1.9)
NUP93 (2.2)	CPNE2 (2.1)
B3GNT9 (1.6)	STRC (1.6)
LCMT2 (1.9)	RNF214 (1.9)
COX19 (2.0)	ZNF615 (2.0)
C12orf43 (2.0)	BBS2 (2.0)
MON1A (1.7)	ENSG00000229043 (1
POLR2C (2.3)	C16orf70 (2.2)
DEPDC1 (2.1)	UBE3B (2.0)
CYP2W1 (1.8)	TMEM101 (1.7)
LRRC29 (1.9)	FZD9 (1.8)
TRPS1 (1.7)	RNF214 (1.6)
FBXL20 (1.8)	ZNF613 (1.8)
ABCB9 (2.0)	PDHB (2.0)
PSMB10 (2.2)	MIEN1 (2.1)
DNAH10 (1.7)	RNF214 (1.6)

NLRC5 (1.8)	CCL22 (1.7)
HERPUD1 (1.8)	AMBRA1 (1.7)
CCNDBP1 (2.3)	MPHOSPH9 (2.3)
BAZ1B (2.1)	SLC12A4 (2.1)
LRP4 (1.8)	ZNF613 (1.7)
PARD6A (1.9)	TGM5 (1.7)
DNAH10 (1.9)	PDE3A (1.9)
C1QTNF4 (2.1)	FADS1 (2.0)
CTDSPL2 (2.8)	BCL7B (2.3)
APOC3 (1.7)	PTPMT1 (1.6)
G6PC3 (1.4)	ST3GAL4 (1.3)
MPP3 (2.0)	TMEM62 (1.8)
LCMT2 (2.2)	C7orf50 (2.2)
CATSPER2 (2.3)	ESRP2 (2.1)
ABCA1 (1.8)	C16orf48 (1.6)
ZNF614 (2.1)	DPEP3 (2.0)
PSKH1 (1.9)	PNMT (1.9)
C7orf50 (2.3)	LPA (2.3)
CITED2 (1.5)	UBE2L3 (1.4)
NEUROD2 (2.2)	ACP2 (2.1)
TTBK2 (2.2)	TP53BP1 (2.0)
ABCA8 (1.7)	NR0B2 (1.6)
MTF2 (2.8)	CENPT (2.6)
TRNP1 (1.7)	COX19 (1.6)
ACD (2.4)	NUP160 (2.4)
CCNDBP1 (2.0)	CPNE2 (2.0)
ENSG00000223745 (2	ZNF335 (2.2)
TRNP1 (1.8)	LILRA3 (1.8)
FBXL20 (2.1)	DDB2 (2.1)
SPI1 (1.9)	NR0B2 (1.9)
DNAH10 (2.2)	FRMD5 (1.9)
DPEP2 (1.9)	G6PC3 (1.9)
ENSG00000256746 (2	FEN1 (2.3)
KCTD19 (1.9)	CYP26A1 (1.9)
PRMT7 (2.3)	RBM6 (2.3)
PRMT7 (2.0)	C7orf50 (1.9)
TAGLN (2.7)	MACF1 (2.2)
TRADD (2.0)	FAM192A (2.0)
CCL22 (2.4)	DDB2 (2.2)
PLEKHG4 (2.4)	GPN2 (2.0)
CENPT (3.2)	POLR2C (3.2)
CELF1 (2.1)	PXK (2.0)
C18orf32 (2.1)	MIEN1 (2.1)
MYO1H (2.0)	CCDC11 (2.0)
PSMB10 (2.2)	COX19 (2.0)
ARID1A (2.0)	CITED2 (1.9)
NUP160 (2.1)	GPN2 (2.1)
ENSG00000256746 (2	DPEP2 (1.9)
C18orf32 (2.0)	KCTD10 (1.9)
UBE2L3 (1.8)	MTF2 (1.6)

DYM (2.1)	YDJC (2.1)
PSMB10 (2.0)	CYP2W1 (2.0)
ENSG00000182109 (1	MBD1 (1.8)
PDHB (1.9)	POLR2C (1.9)
KBTBD4 (2.5)	C12orf43 (2.3)
CCNDBP1 (2.1)	TMEM62 (2.1)
UBE2L3 (1.8)	MPP3 (1.7)
PTPRZ1 (1.6)	ENSG00000254235 (1
ZNF350 (2.0)	ENSG00000247445 (1
MTF2 (2.9)	CTDSPL2 (2.7)
DR1 (2.5)	SNORD58C (2.4)
EXOC3L1 (2.1)	DDB2 (2.0)
NUP160 (2.6)	DCPS (2.4)
PIGV (2.2)	CYP2W1 (2.1)
PIGV (2.2)	CYP2W1 (2.1)
ABHD6 (1.6)	PDIA3 (1.6)
NEUROD2 (2.2)	PPP1R1B (2.0)
MT1G (2.0)	MPP2 (2.0)
UVRAG (2.2)	OR5L2 (2.0)
UVRAG (2.2)	OR5L2 (2.0)
MON1A (2.3)	MIEN1 (2.2)
BUD13 (2.1)	LCMT2 (2.1)
BUD13 (2.1)	LCMT2 (2.1)
DDX28 (2.1)	C12orf43 (2.1)
CKAP5 (2.2)	FEN1 (2.2)
DGKG (2.1)	ABCB9 (1.9)
TUBGCP4 (2.0)	KIAA0895L (1.8)
GPN2 (2.9)	AMFR (2.7)
PGS1 (1.9)	SETD8 (1.9)
PGS1 (1.9)	SETD8 (1.9)
CENPT (2.3)	DR1 (2.0)
OR5I1 (1.3)	GALNT2 (1.3)
PAFAH1B2 (1.8)	TMED5 (1.8)
MAP1A (2.4)	ABCB9 (2.2)
ZNF350 (2.2)	CATSPER2 (2.2)
TMEM62 (1.8)	ABCB9 (1.8)
HDAC5 (1.9)	TRNP1 (1.7)
HDAC5 (1.9)	TRNP1 (1.7)
DUSP3 (2.1)	RAPSN (2.0)
CX3CL1 (2.1)	TRNP1 (2.0)
BUD13 (1.7)	CENPT (1.7)
TGM7 (3.0)	C16orf48 (2.6)
OGFOD1 (2.0)	RBM5 (2.0)
MTF2 (3.4)	NUP93 (3.1)
CASC4 (2.0)	NFATC3 (1.9)
LPA (1.8)	APOA4 (1.7)
CYP2W1 (2.4)	NLRC5 (2.4)
ELMO3 (1.9)	SEC14L4 (1.9)
BBS2 (1.9)	PARD6A (1.8)
BBS2 (1.9)	PARD6A (1.8)

BBS2 (1.9)	PARD6A (1.8)
NUP160 (2.4)	ZNF259 (2.2)
PRMT7 (2.1)	MON1A (2.0)
LRRC29 (1.9)	OR5L2 (1.9)
OGFOD1 (1.8)	C1QTNF4 (1.7)
CITED2 (1.9)	SMPD3 (1.9)
TMEM175 (1.7)	ZNF408 (1.7)
ARFGAP2 (2.1)	ENSG00000182109 (2
ARFGAP2 (2.1)	ENSG00000182109 (2
OGFOD1 (2.0)	MYO5B (1.9)
SLC7A6OS (2.3)	C16orf70 (2.3)
TTBK2 (1.9)	DGKG (1.8)
SNX13 (1.8)	TMED5 (1.8)
PCSK7 (2.5)	ZNF259 (2.4)
MAP1A (2.1)	UVRAG (2.0)
TGM7 (2.1)	ENSG00000254235 (2
ARHGAP1 (2.3)	KIAA0754 (2.3)
NUP160 (2.3)	C12orf43 (2.2)
GNAO1 (2.3)	CES4A (2.2)
TTBK2 (2.2)	CASC4 (2.0)
PTPRZ1 (1.9)	ABHD6 (1.9)
RSPRY1 (2.6)	C16orf70 (2.6)
C11orf49 (2.4)	PPIP5K1 (2.3)
SEC14L4 (2.0)	SPRYD5 (2.0)
BAZ1B (3.0)	NUP93 (2.5)
TRPS1 (1.6)	TAGLN (1.5)
SOST (1.8)	CCDC11 (1.7)
DOK4 (2.2)	ERBB2 (2.0)
ENSG00000236267 (2	MPP3 (2.1)
ENSG00000182109 (1	COQ9 (1.7)
C1QTNF4 (2.0)	CES4A (1.9)
CYP2W1 (2.4)	TNKS (2.3)
C1QTNF4 (2.0)	FADS1 (2.0)
TMEM62 (2.1)	SPG11 (2.1)
TECTB (2.1)	PTPRZ1 (2.0)
NUDT21 (2.3)	PDHB (2.3)
TTC39B (2.1)	RSPO3 (2.0)
C16orf48 (2.3)	FEN1 (2.3)
XKR8 (2.3)	TMEM208 (2.2)
GALNT2 (2.6)	TMEM175 (2.5)
COX19 (2.1)	C18orf32 (2.0)
COX19 (2.1)	C18orf32 (2.0)
EDC4 (2.7)	NUP93 (2.7)
EDC4 (2.7)	NUP93 (2.7)
PXK (1.9)	COX19 (1.6)
BCL7B (2.2)	FBXL20 (1.8)
PVRL2 (2.1)	SLC12A4 (2.1)
KLF14 (1.8)	PPY (1.8)
RBPJ (1.7)	THAP11 (1.6)
SLC7A6OS (2.6)	LCMT2 (2.6)

SLC7A6OS (2.6)	LCMT2 (2.6)
TBKBP1 (2.3)	NEUROD2 (2.2)
TMEM175 (2.3)	LRP4 (2.2)
CCDC18 (1.7)	BCL3 (1.6)
C11orf49 (1.9)	C12orf65 (1.8)
PTPMT1 (1.6)	HDAC5 (1.6)
UBR1 (2.1)	TBKBP1 (2.0)
NUDT21 (2.4)	ZNF259 (2.3)
ENSG00000256746 (2	PNMT (2.2)
SNORD58C (2.0)	KLF14 (2.0)
ERBB2 (1.9)	CBFB (1.8)
BBS2 (2.0)	RSPO3 (2.0)
ERBB2 (1.8)	CCDC116 (1.7)
ENSG00000226645 (2	DR1 (2.5)
CITED2 (1.8)	ZSCAN29 (1.7)
TSNAXIP1 (2.2)	PARD6A (1.9)
C18orf32 (1.9)	TMED5 (1.8)
RAB11B (1.9)	PSMC3 (1.9)
NUTF2 (2.0)	NAGS (2.0)
LCMT2 (2.3)	PRMT7 (2.3)
DEPDC1 (3.0)	ACD (2.6)
CCDC92 (2.0)	C1QTNF4 (2.0)
PSMC3 (2.4)	NUP93 (2.3)
PGAP3 (1.9)	KPNB1 (1.8)
TP53BP1 (2.0)	DUS2L (2.0)
CMIP (2.1)	SETD8 (2.0)
PITPNM2 (1.6)	TCAP (1.6)
GPER (1.6)	SPRYD5 (1.6)
ENSG00000255507 (2	KIAA0754 (1.9)
INTS10 (1.7)	MIEN1 (1.7)
BUD13 (2.5)	SPG11 (2.5)
DDB2 (3.1)	MPHOSPH9 (2.9)
KANK2 (1.8)	ENSG00000256746 (1
KANK2 (1.7)	TRPS1 (1.7)
C17orf57 (2.2)	CASC4 (2.1)
TRPS1 (2.1)	PLTP (1.9)
CLPTM1 (2.4)	ZNF614 (2.2)
WDR76 (2.5)	SETD8 (2.4)
WDR76 (2.5)	SETD8 (2.4)
NPEPPS (1.7)	RBM6 (1.6)
C18orf32 (2.2)	PPIP5K1 (2.1)
PNMT (1.9)	CSGALNACT1 (1.9)
ERBB2 (2.3)	ENSG00000223745 (2
CTDSPL2 (3.0)	NUP93 (2.9)
ZDHHC18 (2.1)	PPP1R1B (2.0)
MT1G (2.2)	KLF14 (2.2)
MPP3 (2.4)	PPIP5K1 (2.3)
ETV5 (1.8)	PTPRZ1 (1.8)
FADS2 (2.0)	C16orf70 (2.0)
TMEM208 (2.0)	MIEN1 (2.0)

TMEM208 (2.0)	MIEN1 (2.0)
BBS2 (2.2)	LCMT2 (2.2)
OR5I1 (2.1)	CASC4 (2.0)
ZNF614 (1.7)	NDUFS3 (1.7)
HERPUD1 (1.8)	GPR146 (1.8)
SLC9A5 (1.8)	LRP4 (1.8)
PLEKHG4 (1.8)	DYM (1.7)
NUP160 (2.4)	C16orf48 (2.1)
OR5I1 (1.7)	C7orf50 (1.5)
OGFOD1 (2.0)	ARFGAP2 (1.9)
KIAA0754 (2.2)	FRMD5 (2.2)
MPP3 (1.8)	LILRB2 (1.8)
MPP3 (1.8)	LILRB2 (1.8)
MPP3 (1.8)	LILRB2 (1.8)
BCAM (1.7)	PTPRZ1 (1.7)
DDX28 (2.7)	NUP160 (2.7)
PARD6A (2.1)	DR1 (2.1)
C18orf32 (2.2)	MIEN1 (2.0)
DEPDC1 (2.6)	ACD (2.3)
PLTP (1.7)	TNKS (1.6)
AMFR (2.3)	GFOD2 (2.2)
HSF4 (2.0)	ENSG00000181123 (1
HNF1A (1.9)	MST1R (1.8)
SBNO1 (1.9)	NCOA5 (1.9)
PLA2G15 (2.0)	C7orf50 (1.8)
RSPRY1 (2.1)	OR4A1P (2.0)
CITED2 (2.0)	KCTD6 (1.9)
DPEP3 (2.1)	NOL3 (2.0)
HARBI1 (2.4)	KPNB1 (2.4)
PSMB10 (2.4)	COX19 (2.4)
MACF1 (2.5)	SLC39A13 (2.4)
THAP11 (1.6)	FZD9 (1.5)
DNAH10 (2.3)	SETD8 (2.3)
CCDC18 (1.9)	FRMD5 (1.9)
PDE3A (1.9)	PITPNM2 (1.9)
ENSG00000179523 (2	ERBB2 (2.3)
DGKG (1.6)	OR4A21P (1.5)
MT1G (2.2)	MT1X (2.2)
FAM192A (2.3)	ZNF259 (2.2)
ENSG00000223745 (1	DGKG (1.9)
DCPS (2.3)	NUDT21 (2.3)
C11orf49 (2.1)	CCDC92 (2.1)
LCMT2 (2.5)	ZNF408 (2.4)
PSKH1 (1.9)	SMPD3 (1.7)
RANBP10 (2.6)	PAFAH1B2 (2.5)
CES4A (2.0)	PNMT (1.9)
NEUROD2 (1.9)	YDJC (1.9)
LCMT2 (2.0)	ENSG00000256746 (2
ZNF408 (2.0)	LRRC29 (2.0)
MPP2 (2.1)	C11orf49 (1.9)

PSMB10 (2.2)	C18orf32 (2.2)
PSMB10 (2.2)	C18orf32 (2.2)
PSMB10 (2.2)	C18orf32 (2.2)
FNBP4 (1.9)	DDX28 (1.9)
MPHOSPH9 (1.8)	UBE2L3 (1.7)
INTS10 (2.1)	SNORD58C (2.0)
MED1 (2.3)	C12orf43 (2.3)
PRMT7 (2.0)	NUP160 (2.0)
JMJD1C (2.1)	UBR1 (2.1)
NUP160 (1.8)	ZSCAN29 (1.7)
KLHL8 (2.2)	ZNF664 (2.1)
TBKBP1 (2.2)	FZD9 (1.9)
ZNF350 (1.2)	MT1F (1.2)
PSMB10 (2.3)	FRMD5 (2.1)
NUTF2 (2.5)	COX19 (2.5)
TRNP1 (1.4)	SNX10 (1.3)
EDC4 (2.1)	PSMC3 (2.0)
PARD6A (2.5)	TMED5 (2.5)
DUS2L (1.9)	GLUL (1.9)
C16orf86 (2.1)	CYP2W1 (2.0)
STRC (1.8)	CETP (1.8)
ENSG00000256746 (2	CBFB (2.2)
OR4A21P (2.1)	FPR3 (2.1)
ZNF664 (1.7)	CCDC116 (1.6)
G6PC3 (2.5)	SMPD3 (2.4)
KCTD10 (2.1)	STRC (2.1)
GRB7 (2.6)	SFN (2.5)
ENSG00000255507 (1	LRRC29 (1.8)
PSMB10 (2.1)	COX19 (2.1)
PACSIN3 (1.8)	HSF4 (1.7)
C18orf32 (2.2)	PPIP5K1 (2.1)
C18orf32 (2.2)	PPIP5K1 (2.1)
C18orf32 (2.2)	PPIP5K1 (2.1)
C18orf32 (2.2)	PPIP5K1 (2.1)
FADS1 (2.1)	C1QTNF4 (2.0)
SIK3 (2.0)	MAP1A (2.0)
SNX10 (1.8)	PTPRJ (1.7)
DOCK6 (2.2)	RNF214 (2.2)
BMP8A (1.6)	C11orf49 (1.6)
CELSR2 (1.7)	CSGALNACT1 (1.7)
MYO5B (1.9)	MACF1 (1.8)
CENPT (2.8)	NUP93 (2.5)
RBM6 (1.7)	FEN1 (1.7)
DDB2 (2.3)	NUP160 (2.3)
DCPS (2.5)	TOMM40 (2.4)
DOCK6 (2.1)	GFOD2 (2.0)
NAGS (1.8)	RSPRY1 (1.7)
MADD (2.2)	ENSG00000256746 (2
BACE1 (2.0)	CMIP (1.9)
UVRAG (2.0)	CCDC92 (1.9)

NOL3 (2.4)	ENSG00000256746 (2
ENSG00000229043 (1	B3GNT9 (1.7)
PITPNM2 (2.3)	BACE1 (2.0)
MADD (1.9)	HARBI1 (1.9)
OR5L2 (1.8)	C17orf105 (1.8)
RLTPR (2.6)	PARD6A (2.6)
C16orf48 (2.5)	NUP93 (2.2)
ELMO3 (3.0)	ESRP2 (3.0)
FBXL20 (2.2)	CDK12 (2.1)
OR5I1 (1.8)	COBLL1 (1.8)
SPI1 (1.7)	RLTPR (1.7)
SCARB1 (2.0)	TRNP1 (1.9)
TRADD (1.8)	ZDHHC18 (1.8)
COBLL1 (2.0)	BACE1 (2.0)
FZD9 (1.9)	C12orf65 (1.9)
FZD9 (1.9)	C12orf65 (1.9)
GFOD2 (2.3)	C16orf70 (2.3)
OR4A1P (1.7)	SMPD3 (1.7)
ABCB9 (1.7)	UBE3B (1.7)
ENSG00000182109 (2	C19orf80 (2.1)
ABCA1 (2.2)	ATG13 (2.2)
ENSG00000223745 (2	HDAC5 (1.8)
TECTB (1.8)	ABCA8 (1.7)
CX3CL1 (2.0)	PPP1R1B (2.0)
KCTD6 (1.2)	MT1F (1.2)
LRRC29 (2.2)	ENSG00000182109 (2
LRRC29 (2.2)	ENSG00000182109 (2
JMJD1C (1.7)	MYO5B (1.7)
PDIA3 (1.9)	G6PC3 (1.9)
ABCA8 (2.2)	CYP26A1 (2.0)
PSMB10 (2.1)	PPIP5K1 (2.1)
DOCK6 (2.1)	PNMT (2.1)
CPNE2 (2.1)	CCDC92 (2.0)
PAFAH1B2 (2.1)	BUD13 (2.1)
ENSG00000247867 (1	RBM6 (1.7)
ENSG00000247867 (1	RBM6 (1.7)
BMP8A (2.2)	CETP (2.1)
RBM5 (2.1)	TRIB1 (2.1)
TBKBP1 (1.8)	TTC39B (1.8)
CKAP5 (2.1)	DCPS (1.9)
SETD8 (1.9)	GPER (1.8)
SPI1 (2.2)	STRC (2.2)
FADS1 (2.1)	MADD (2.1)
LRRC29 (1.8)	RAPSN (1.7)
TCAP (2.0)	PTPRJ (1.9)
CCDC116 (2.1)	TMEM62 (2.1)
C16orf70 (2.5)	TTBK2 (2.3)
KLF14 (1.9)	C11orf9 (1.9)
C1orf172 (1.8)	CKAP5 (1.7)
BAZ1B (1.9)	MON1A (1.9)

MST1R (2.0)	ZNF615 (1.8)
DDX28 (2.4)	SBNO1 (2.4)
TAGLN (2.2)	ARHGAP1 (2.1)
PACSIN3 (1.9)	CPNE2 (1.9)
COX19 (2.0)	MIEN1 (2.0)
COX19 (2.0)	MIEN1 (2.0)
RLTPR (2.0)	CCDC92 (1.9)
IGF2R (2.2)	UBE3B (2.2)
ABCB9 (2.2)	KIAA0895L (2.1)
C7orf50 (2.4)	NUP160 (2.3)
C7orf50 (2.4)	NUP160 (2.3)
BCL7B (2.1)	HDAC5 (1.9)
ENSG00000226334 (1	NR0B2 (1.6)
CENPT (2.4)	MBD1 (2.4)
KLF14 (2.1)	BMP8A (2.0)
LRRC29 (1.7)	COBLL1 (1.7)
GALNT2 (2.2)	DOCK6 (2.2)
ZSCAN29 (2.1)	LILRA3 (2.0)
PRMT7 (2.0)	PTPMT1 (2.0)
KIAA0754 (2.3)	GPIHBP1 (2.2)
MTF2 (2.1)	PLA2G6 (1.9)
ACD (2.5)	SKA1 (2.4)
PTPRJ (1.8)	DGKG (1.7)
C18orf32 (2.0)	MIEN1 (2.0)
GALNT2 (1.8)	SLC39A13 (1.7)
DCPS (2.0)	EDC4 (2.0)
C18orf32 (2.2)	MIEN1 (2.0)
C18orf32 (2.2)	MIEN1 (2.0)
DEPDC1 (1.9)	C7orf50 (1.9)
SLC12A3 (2.1)	C1orf172 (1.9)
CIAPIN1 (2.3)	PTPMT1 (2.0)
EDC4 (2.3)	PSKH1 (2.2)
ENSG00000256746 (1	SLC7A6OS (1.8)
LCMT2 (3.2)	ZNF259 (3.2)
TTBK2 (1.9)	FADS1 (1.7)
GFOD2 (2.0)	GNAO1 (2.0)
TP53BP1 (2.2)	ENSG00000179523 (2
NOL3 (2.2)	MTMR3 (2.1)
ENSG00000226334 (1	ETV5 (1.8)
ZNF615 (1.7)	TBKBP1 (1.7)
LPL (1.5)	TGM7 (1.5)
LPL (1.5)	TGM7 (1.5)
BAZ1B (1.7)	SKA1 (1.7)
ENSG00000226645 (1	PTPMT1 (1.6)
LSM12 (2.1)	TOMM40 (2.1)
C18orf32 (2.1)	PPIP5K1 (2.0)
TTC39B (2.1)	ZNF408 (2.1)
MIEN1 (2.6)	UBE2L3 (2.5)
CCDC92 (1.5)	TGM7 (1.5)
C18orf32 (2.1)	PPIP5K1 (2.0)

EDC4 (1.8)	ZNF335 (1.8)
TMEM175 (2.2)	C7orf50 (2.1)
ACAA2 (1.6)	EXOC3L1 (1.6)
AMBRA1 (2.0)	HDAC5 (2.0)
PIGV (2.8)	PLA2G15 (2.6)
ACD (3.0)	C16orf48 (3.0)
CPNE2 (1.9)	C11orf49 (1.8)
COBLL1 (1.8)	LRRC29 (1.7)
MTF2 (2.6)	NUP160 (2.6)
TBKBP1 (2.3)	FZD9 (2.0)
UBE3B (2.1)	HNF1A (2.0)
UBE3B (2.1)	HNF1A (2.0)
C12orf43 (2.5)	YDJC (2.5)
C12orf43 (2.5)	YDJC (2.5)
HARBI1 (2.7)	MADD (2.7)
TOMM40 (1.8)	ARFGAP2 (1.8)
CDK12 (2.3)	DNAH10 (2.2)
C12orf65 (2.0)	ZNF613 (2.0)
ABCB9 (1.8)	ENSG00000256746 (1
FADS1 (2.1)	RLTPR (2.0)
C7orf50 (2.6)	DUS2L (2.5)
LIPG (1.8)	ENSG00000182109 (1
ENSG00000256746 (2	HCAR1 (2.2)
ELMO3 (2.9)	ERBB2 (2.9)
LILRA3 (1.7)	XKR8 (1.6)
ENSG00000229043 (2	CYP26A1 (1.8)
POLR2C (2.4)	MT1H (2.4)
PAFAH1B2 (2.0)	DR1 (2.0)
C11orf49 (2.2)	KPNB1 (2.1)
FBXL20 (2.2)	SPRYD5 (2.0)
MIEN1 (2.2)	CIAPIN1 (2.1)
DOK4 (1.9)	GLUL (1.9)
LRP4 (1.8)	TMEM62 (1.7)
MPP3 (2.3)	TTC39B (2.2)
C1QTNF4 (2.2)	UVRAG (2.1)
CCDC92 (2.0)	BCL7B (2.0)
ENSG00000226645 (1	NDUFS3 (1.3)
THAP11 (1.5)	RBPJ (1.4)
DR1 (1.9)	LIPG (1.8)
EIF3J (3.0)	TOMM40 (2.9)
KIAA0754 (1.7)	TGM5 (1.6)
SPG11 (2.0)	THAP11 (1.9)
LRP4 (1.8)	TMEM175 (1.6)
YDJC (2.2)	BUD13 (2.2)
TRPS1 (1.7)	TGM7 (1.7)
EXOC3L1 (2.1)	MST1R (2.0)
GLUL (2.2)	PPIP5K1 (2.2)
MYO5B (2.9)	KIAA0754 (2.8)
COX19 (2.4)	PPIP5K1 (2.2)
PTPMT1 (2.0)	CCNDBP1 (1.9)

MT1F (2.1)	CELSR2 (2.0)
ARHGAP1 (2.0)	PARD6A (1.9)
HDAC5 (1.9)	NEUROD2 (1.9)
HSF4 (1.6)	TRNP1 (1.6)
ZNF408 (2.0)	MYO5B (1.7)
AGBL2 (1.8)	CCDC116 (1.8)
MVK (1.9)	TTBK2 (1.9)
TGM7 (2.1)	PXK (2.0)
CELF1 (1.4)	TRNP1 (1.4)
PPY (1.8)	IGF2R (1.8)
TAGLN (2.2)	HNF1A (2.2)
ZDHHC18 (1.6)	STRC (1.6)
XKR8 (1.4)	GPN2 (1.4)
UBR1 (1.7)	KCTD6 (1.6)
DPEP3 (2.4)	FEN1 (2.0)
IGF2R (1.7)	NR1H3 (1.7)
TRNP1 (1.9)	PAFAH1B2 (1.9)
C11orf49 (2.2)	PGS1 (2.2)
EXOC3L1 (2.0)	MACF1 (2.0)
FHOD1 (2.1)	ARHGAP1 (2.1)
DUSP3 (1.7)	DNAH10 (1.7)
MAP1A (2.7)	SKA1 (2.6)
YDJC (2.1)	GNAO1 (2.1)
RSPO3 (1.6)	TGM5 (1.6)
KLF14 (2.1)	CX3CL1 (2.1)
DCPS (2.2)	ZFAND2A (2.2)
STRC (1.6)	TGM5 (1.6)
RBM6 (2.0)	KCTD6 (2.0)
BAZ1B (2.2)	TOMM40 (2.2)
BAZ1B (2.2)	TOMM40 (2.2)
TRPS1 (1.7)	PACSIN3 (1.7)
MON1A (2.2)	CCNDBP1 (2.2)
SOST (2.1)	BCL7B (2.1)
PXK (2.1)	C11orf49 (2.1)
REEP3 (1.8)	PXK (1.8)
NUP160 (2.1)	TBL2 (2.1)
ADAL (1.9)	DOCK6 (1.9)
SBNO1 (2.2)	SLC7A6OS (2.2)
ACD (2.1)	E2F4 (2.0)
FHOD1 (2.0)	PVRL2 (1.9)
PYY (2.3)	KANK2 (2.1)
TRPS1 (1.8)	RANBP10 (1.8)
GPIHBP1 (2.0)	ENSG00000182109 (2
MTMR3 (1.5)	C16orf86 (1.5)
CTDSPL2 (2.4)	PAFAH1B2 (2.4)
EXOC3L1 (2.0)	MVK (1.9)
KPNB1 (2.2)	EIF3J (2.0)
RAB11B (1.9)	C17orf57 (1.9)
SMPD3 (1.9)	MPP2 (1.8)
NLRC5 (1.8)	NCOA5 (1.7)

ENSG00000226334 (1	ENSG00000181296 (1
ENSG00000226334 (1	ENSG00000181296 (1
TMEM62 (2.4)	PACSIN3 (2.3)
ZNF613 (1.8)	PDHB (1.8)
DDB2 (2.0)	ERBB2 (1.9)
YDJC (2.4)	LCMT2 (2.3)
GFOD2 (2.0)	ZNF335 (2.0)
RLTPR (2.4)	CELF1 (2.3)
HARBI1 (2.4)	NLRC5 (2.2)
JMJD1C (2.6)	MTF2 (2.4)
C18orf32 (2.1)	PTPMT1 (2.0)
CYP2W1 (2.1)	DUSP3 (2.1)
ENSG00000181296 (2	HCAR1 (1.9)
MST1R (1.8)	OR4A21P (1.8)
LCMT2 (2.0)	C16orf86 (2.0)
SLC7A6 (2.2)	C16orf70 (2.2)
C17orf57 (2.0)	MT1X (1.9)
LCMT2 (1.5)	ESRP2 (1.5)
LCMT2 (1.5)	ESRP2 (1.5)
LCMT2 (1.5)	ESRP2 (1.5)
FRMD5 (2.3)	TRIB1 (2.1)
ATG13 (2.1)	REEP3 (2.1)
CELSR2 (1.8)	LRRC29 (1.7)
ZNF613 (1.9)	GPR146 (1.9)
BCAM (2.2)	OR5I1 (2.1)
ENSG00000247867 (1	ETV5 (1.8)
KCTD10 (1.9)	RBM5 (1.9)
MADD (2.0)	PNMT (1.9)
NUP160 (2.6)	MTF2 (2.5)
MPP2 (1.5)	TGM5 (1.5)
CXXC1 (1.9)	ENSG00000226645 (1
CES4A (1.7)	ZSCAN29 (1.7)
DNAH10 (1.9)	MYO5B (1.8)
NFATC3 (1.8)	MPP2 (1.8)
PCSK7 (2.1)	GFOD2 (2.0)
FADS1 (2.0)	CX3CL1 (1.9)
ZNF408 (1.9)	EDC4 (1.9)
MST1R (2.2)	REEP3 (2.2)
BMP8A (1.7)	NR1H3 (1.7)
SPI1 (2.1)	ELMO3 (2.1)
SNX13 (1.6)	SLC12A4 (1.6)
RSPRY1 (1.9)	C11orf9 (1.8)
TGM7 (1.9)	ENSG00000181296 (1
PPP1R1B (1.8)	PITPNM2 (1.8)
IGF2R (1.6)	PLEKHG4 (1.6)
ENSG00000254235 (2	ENSG00000182109 (2
B3GNT9 (2.1)	C11orf9 (2.0)
INTS10 (2.4)	ZNF259 (2.4)
DR1 (1.9)	NPEPPS (1.9)
ZSCAN29 (2.5)	BUD13 (2.3)

RBM6 (2.1)	SNORD58C (2.0)
CCDC116 (1.8)	PITPNM2 (1.8)
KANK2 (2.1)	IGF2R (2.1)
C16orf48 (1.8)	TP53BP1 (1.7)
ZSCAN29 (2.0)	MPHOSPH9 (1.9)
CMIP (2.2)	MED1 (2.1)
PPP1R1B (2.2)	IGF2R (2.2)
SLC12A4 (1.7)	SNX13 (1.7)
GPIHBP1 (2.2)	IGF2R (2.2)
CCDC92 (2.0)	MAP1A (1.9)
MT1F (1.9)	C16orf86 (1.8)
MPP3 (2.4)	CELF1 (2.3)
ZDHHC18 (2.0)	PCSK7 (1.9)
ENSG00000181296 (1	MT1G (1.7)
PGS1 (1.9)	BCL7B (1.7)
HSF4 (2.0)	EYA3 (1.8)
DUS2L (1.7)	OR4A1P (1.7)
DUS2L (1.7)	OR4A1P (1.7)
DUS2L (1.7)	OR4A1P (1.7)
RLTPR (1.8)	EXOC3L1 (1.7)
SMPD3 (1.8)	CPNE2 (1.8)
ST3GAL4 (1.9)	SIDT2 (1.9)
KIAA0754 (2.3)	CCDC116 (2.2)
SPI1 (1.9)	SNX10 (1.9)
DEPDC1 (2.1)	SKA1 (2.1)
ZNF408 (2.0)	SPRYD5 (1.9)
FZD9 (1.6)	ABCA1 (1.6)
PPIP5K1 (1.8)	ADAL (1.8)
TAGLN (1.8)	TRIB1 (1.8)
CCDC116 (1.9)	SKA1 (1.8)
SIK3 (2.1)	YDJC (2.1)
ZNF664 (2.2)	CCDC116 (2.2)
PTPMT1 (2.0)	MAP1A (1.9)
CETP (1.9)	PLA2G15 (1.9)
BAZ1B (2.2)	TOMM40 (2.2)
ATG13 (2.1)	STRC (2.0)
TRNP1 (1.8)	NUTF2 (1.8)
STRC (2.3)	DNAH10 (2.1)
STRC (2.3)	DNAH10 (2.1)
MTF2 (2.6)	DR1 (2.5)
NUTF2 (2.0)	SLC7A6 (1.8)
C17orf57 (1.9)	DUS2L (1.8)
BAZ1B (3.2)	DDB2 (3.2)
C11orf9 (1.8)	KCTD19 (1.8)
LRRC29 (1.7)	DR1 (1.7)
NUTF2 (1.9)	DYM (1.9)
C18orf32 (2.2)	CIAPIN1 (2.1)
PTPMT1 (2.2)	ACD (2.2)
DUSP3 (2.1)	TECTB (2.0)
MTF2 (2.4)	MTCH2 (2.3)

ENSG00000247867 (1	FZD9 (1.7)
CTDSPL2 (2.9)	CCDC18 (2.5)
CASC4 (2.0)	XKR8 (1.9)
ZDHHC18 (2.0)	NEUROD2 (2.0)
PARD6A (1.9)	OR5J2 (1.9)
B3GNT9 (1.8)	DDX28 (1.8)
ELMO3 (1.9)	PDHB (1.9)
SKA1 (2.9)	NUDT21 (2.6)
ENSG00000236267 (1	PCSK7 (1.7)
NEUROD2 (2.2)	BACE1 (2.1)
FEN1 (2.0)	NUP160 (2.0)
KLF14 (1.9)	SLC9A5 (1.9)
EIF3J (2.3)	BCL7B (2.3)
KANK2 (2.2)	NPEPPS (2.0)
DGKG (1.6)	CYP2W1 (1.6)
PTPRZ1 (1.8)	C16orf86 (1.8)
OR4A21P (1.5)	THAP11 (1.5)
DCPS (2.0)	LCMT2 (1.9)
NR0B2 (2.0)	GNAO1 (1.8)
RBM6 (2.2)	YDJC (2.2)
MPHOSPH9 (2.9)	NUDT21 (2.7)
MPHOSPH9 (2.9)	NUDT21 (2.7)
MPHOSPH9 (2.9)	NUDT21 (2.7)
MADD (1.9)	GFOD2 (1.9)
C11orf9 (1.7)	LIPG (1.6)
PVRL2 (2.1)	SIDT2 (2.1)
FEN1 (2.1)	ZNF335 (2.1)
UBE2L3 (2.5)	RBM6 (2.4)
STRC (1.8)	HCAR1 (1.8)
PLEKHG4 (1.8)	TBKBP1 (1.7)
CITED2 (1.9)	C1QTNF4 (1.9)
EPB42 (1.6)	CYP26A1 (1.6)
MST1R (1.9)	BMP8A (1.9)
PLA2G6 (1.9)	DUS2L (1.9)
TMEM208 (2.0)	COX19 (2.0)
HSF4 (1.9)	APOE (1.9)
DDB2 (2.2)	ENSG00000226645 (2
COX19 (2.1)	OR5L2 (2.1)
SLC12A3 (1.8)	CES4A (1.7)
SLC12A3 (1.8)	CES4A (1.7)
C11orf9 (2.2)	CELSR2 (2.1)
UVRAG (1.9)	CCDC116 (1.9)
GFOD2 (2.0)	TTBK2 (1.8)
KIAA0754 (2.4)	MT1M (2.0)
KCTD6 (1.6)	ERBB2 (1.5)
UVRAG (2.0)	ENSG00000223745 (1
MAP1A (2.4)	GNAO1 (2.3)
ENSG00000181123 (1	TGM7 (1.9)
EPB42 (2.1)	BACE1 (2.0)
CELF1 (2.7)	MACF1 (2.5)

FZD9 (1.7)	IGF2R (1.6)
BACE1 (2.3)	SMPD3 (2.3)
ACAA2 (1.7)	EPB42 (1.7)
LPL (2.0)	CX3CL1 (2.0)
TTC39B (2.3)	MPP3 (2.3)
DOK4 (2.6)	HSF4 (2.5)
KANK2 (2.1)	SEC14L4 (2.1)
NCOA5 (1.9)	C12orf65 (1.9)
MBD1 (2.3)	FNBP4 (2.2)
MBD1 (2.3)	FNBP4 (2.2)
C1QTNF4 (2.4)	GNAO1 (2.3)
C1QTNF4 (2.3)	MT1G (2.3)
KCTD19 (2.3)	CPNE2 (2.3)
C12orf43 (1.7)	EIF3J (1.6)
PPIP5K1 (2.0)	PSMB10 (1.9)
PSMB10 (2.0)	MIEN1 (2.0)
MAP1A (1.9)	DGKG (1.8)
TNKS (1.9)	DPEP2 (1.9)
HSF4 (1.8)	CYP2W1 (1.7)
PCIF1 (2.0)	KCTD10 (1.8)
FRMD5 (1.6)	BMP8A (1.6)
KLHL8 (2.3)	C7orf50 (2.3)
KLHL8 (2.3)	C7orf50 (2.3)
NEUROD2 (2.3)	PTPRJ (2.1)
BUD13 (1.7)	MPHOSPH9 (1.6)
BUD13 (1.7)	MPHOSPH9 (1.6)
BUD13 (1.7)	MPHOSPH9 (1.6)
BUD13 (1.7)	MPHOSPH9 (1.6)
PVRL2 (2.1)	ZNF614 (2.1)
OR5I1 (1.9)	MPP2 (1.9)
NUP93 (1.9)	SLC9A5 (1.8)
FAM192A (2.0)	DCPS (2.0)
ATG13 (2.4)	RSPRY1 (2.3)
ENSG00000256746 (2	RSPO3 (1.9)
MFAP1 (2.4)	TUBGCP4 (2.2)
ZNF350 (2.1)	MON1A (2.1)
LPA (2.2)	GFOD2 (2.1)
C17orf57 (1.9)	ENSG00000226334 (1
DUS2L (1.6)	DGKG (1.5)
SLC7A6OS (2.5)	OGFOD1 (2.5)
OR5J2 (1.7)	ARFGAP2 (1.7)
DOCK6 (1.8)	C16orf86 (1.8)
DOCK6 (1.8)	C16orf86 (1.8)
C12orf65 (1.9)	KIAA0754 (1.8)
LRP4 (1.8)	CCDC92 (1.8)
LCMT2 (2.1)	GPN2 (2.1)
ZNF350 (2.1)	KLF14 (2.0)
C12orf43 (3.1)	ADAL (3.0)
SNORD58C (2.9)	ZNF408 (2.9)
C16orf70 (1.7)	RBM6 (1.7)

SBNO1 (2.0)	ZNF259 (1.9)
YDJC (1.6)	KCTD19 (1.5)
YDJC (1.6)	KCTD19 (1.5)
NUP160 (3.0)	ACD (2.7)
GFOD2 (2.3)	ZNF259 (2.3)
UBE2L3 (1.6)	ENSG00000226645 (1
OR4A21P (2.0)	SMPD3 (1.9)
MYO5B (2.1)	CCDC92 (2.0)
AFF1 (2.1)	TGM5 (1.9)
PRMT7 (2.0)	UBE2L3 (1.9)
C7orf50 (3.0)	C12orf43 (3.0)
CITED2 (1.6)	BAZ1B (1.5)
CCDC92 (1.6)	DR1 (1.5)
ZNF350 (2.3)	MBD1 (2.3)
LRRC29 (2.3)	SOST (2.2)
UBE2L3 (2.1)	HSF4 (2.0)
FBXL20 (1.8)	ERBB2 (1.8)
HCAR1 (2.0)	SFN (1.9)
RLTPR (2.0)	COBLL1 (1.9)
MT1F (2.1)	BCAM (2.0)
PITPNM2 (2.0)	ZNF408 (2.0)
SIK3 (1.9)	SLC39A13 (1.8)
PTPRJ (1.7)	PITPNM2 (1.6)
MADD (1.7)	FADS2 (1.7)
C18orf32 (2.0)	CIAPIN1 (2.0)
CCDC92 (1.9)	KIAA0895L (1.9)
CCDC18 (2.2)	PCSK7 (2.1)
DYM (1.7)	DOCK6 (1.7)
C16orf70 (2.2)	MTCH2 (2.2)
CD36 (1.9)	ACAA2 (1.7)
AFF1 (1.9)	KCTD6 (1.9)
SLC9A5 (1.9)	GNAO1 (1.8)
ZFAND2A (2.3)	PSMC3 (2.2)
ABHD6 (2.2)	TMEM62 (2.1)
C7orf50 (2.4)	KCTD10 (2.2)
C7orf50 (2.4)	KCTD10 (2.2)
PGS1 (2.4)	TUBGCP4 (2.4)
THAP11 (2.0)	CENPT (1.9)
HARBI1 (2.2)	C7orf50 (2.2)
BBS2 (2.4)	KCTD19 (2.2)
C1QTNF4 (2.0)	ENSG00000181123 (2
CATSPER2 (1.7)	CASC4 (1.6)
HSF4 (2.3)	RLTPR (2.3)
COBLL1 (2.0)	FZD9 (1.9)
C16orf70 (1.6)	ENSG00000247867 (1
LCAT (2.2)	HNF1A (1.9)
CX3CL1 (2.3)	SLC12A3 (2.2)
BUD13 (1.8)	MPHOSPH9 (1.6)
PPP1R1B (2.2)	TBKBP1 (2.2)
OR4A1P (2.2)	C7orf50 (1.9)

ZNF615 (2.1)	PPP1R1B (2.1)
PCIF1 (2.2)	ZNF335 (1.9)
C17orf57 (1.8)	MACF1 (1.8)
CKAP5 (2.5)	WDR76 (2.5)
ERBB2 (1.8)	GPIHBP1 (1.7)
PSMC3 (2.3)	CENPT (2.2)
OR5J2 (2.4)	BMP8A (2.3)
TMEM175 (2.1)	PLEKHG4 (2.0)
NUDT21 (2.5)	NUP93 (2.5)
TGM5 (1.8)	GPIHBP1 (1.8)
AGBL2 (2.1)	NRBF2 (2.0)
AGBL2 (2.1)	NRBF2 (2.0)
ABCA8 (1.9)	TMEM101 (1.9)
PSMB10 (2.2)	PPIP5K1 (2.2)
C12orf43 (1.8)	OR4A21P (1.8)
C12orf65 (2.2)	ZNF350 (2.1)
C1QTNF4 (2.0)	GPER (2.0)
DCPS (2.2)	MTCH2 (2.2)
DOK4 (1.8)	CES4A (1.8)
C11orf49 (1.9)	PAFAH1B2 (1.9)
NCOA5 (1.5)	SNX13 (1.5)
NCOA5 (1.5)	SNX13 (1.5)
CYP26A1 (1.8)	FRMD5 (1.7)
C17orf105 (2.2)	PVRL2 (2.2)
BACE1 (2.0)	SLC9A5 (2.0)
CCDC18 (2.4)	C7orf50 (2.2)
BAZ1B (2.1)	NUTF2 (2.0)
BAZ1B (2.1)	NUTF2 (2.0)
COBLL1 (1.7)	NR0B2 (1.6)
EPB42 (2.4)	DDX28 (2.3)
COX19 (2.2)	PSMB10 (2.2)
BUD13 (1.7)	MPHOSPH9 (1.7)
REEP3 (2.1)	NEUROD2 (2.1)
FAM192A (2.3)	MIEN1 (2.3)
CMIP (1.6)	KPNB1 (1.6)
YDJC (1.9)	MYO5B (1.8)
TRNP1 (1.8)	KLF14 (1.7)
AFF1 (2.3)	PLA2G6 (2.2)
C7orf50 (1.9)	MT1E (1.8)
SKA1 (2.4)	MTF2 (2.4)
ENSG00000256746 (1	MADD (1.9)
TMEM175 (2.3)	SNX13 (2.1)
CBFB (1.8)	NOL3 (1.8)
SNORD58C (2.2)	BUD13 (2.2)
G6PC3 (2.4)	TMEM208 (2.4)
SLC7A6OS (1.6)	PPP1R1B (1.6)
C18orf32 (2.3)	C7orf50 (2.2)
TNKS (1.7)	TBL2 (1.7)
ENSG00000179523 (1	TMEM175 (1.8)
YDJC (2.0)	C18orf32 (2.0)

TP53BP1 (2.7)	RANBP10 (2.6)
AGBL2 (2.3)	KCTD19 (2.3)
TECTB (1.8)	TTBK2 (1.7)
UBR1 (2.6)	RBM5 (2.5)
MYO1H (2.3)	HNF1A (2.2)
TMEM101 (2.0)	LCAT (2.0)
ZNF614 (2.0)	SPI1 (1.9)
MIEN1 (2.2)	PPIP5K1 (2.2)
BAZ1B (2.2)	SBNO1 (2.1)
C16orf86 (1.6)	ABCA8 (1.6)
ETV5 (1.9)	MPP3 (1.8)
C1QTNF4 (1.7)	C16orf86 (1.7)
CMIP (1.8)	MPP3 (1.8)
PDIA3 (1.9)	DDB2 (1.9)
BAZ1B (2.0)	OR5L2 (1.9)
ZSCAN29 (1.8)	C12orf65 (1.8)
MED1 (2.1)	BAZ1B (2.1)
MED1 (2.1)	BAZ1B (2.1)
MED1 (2.1)	BAZ1B (2.1)
MED1 (2.1)	BAZ1B (2.1)
MED1 (2.1)	BAZ1B (2.1)
UBE3B (1.9)	PTPRZ1 (1.8)
ENSG00000181296 (2	BAZ1B (2.4)
UBR1 (1.4)	ARFGAP2 (1.4)
HDAC5 (2.1)	MT1E (2.1)
PIGV (1.6)	B3GNT9 (1.6)
PIGV (1.6)	B3GNT9 (1.6)
ARHGAP1 (2.2)	IGF2R (2.2)
CCDC18 (2.3)	MTCH2 (2.2)
CX3CL1 (2.4)	MAP1A (2.4)
MTF2 (2.2)	KBTBD4 (2.1)
CYP26A1 (2.0)	DOK4 (1.9)
TNKS (1.9)	RNF214 (1.8)
CKAP5 (2.1)	CTDSPL2 (2.0)
NOL3 (2.8)	FAM192A (2.8)
DOCK6 (2.1)	RAPSN (2.0)
KCTD19 (2.1)	PTPMT1 (2.0)
MMAB (1.8)	HSF4 (1.7)
DEPDC1 (2.2)	TGM7 (2.1)
FADS2 (1.5)	ARHGAP1 (1.5)
PITPNM2 (2.4)	DGKG (2.3)
TECTB (1.6)	PDE3A (1.6)
EIF3J (1.7)	CDK12 (1.7)
MPP2 (2.7)	UBE3B (2.4)
MIEN1 (2.6)	POLR2C (2.6)
ZNF259 (1.6)	SLC7A6 (1.6)
DUSP3 (1.6)	PDE3A (1.6)
MED1 (2.1)	YDJC (2.0)
C17orf105 (2.5)	ENSG00000247867 (2
UBE3B (1.9)	RNF214 (1.8)

SNORD58C (2.0)	CTDSPL2 (2.0)
BUD13 (1.9)	MYO1H (1.6)
PLEKHG4 (1.7)	BAZ1B (1.7)
C18orf32 (2.0)	PTPMT1 (1.8)
C16orf86 (1.6)	CITED2 (1.6)
THAP11 (1.6)	DR1 (1.6)
LSM12 (2.1)	ENSG00000229043 (2
C16orf86 (2.2)	SKA1 (2.2)
BACE1 (1.7)	CELSR2 (1.7)
WDR76 (2.5)	CTDSPL2 (2.3)
PTPRZ1 (2.2)	FZD9 (2.2)
ZNF408 (1.9)	ENSG00000247867 (1
ENSG00000226334 (1	MYBPC3 (1.4)
BAZ1B (1.5)	E2F4 (1.5)
ENSG00000255507 (1	OR4A1P (1.8)
COX19 (2.3)	PSMB10 (2.2)
C17orf105 (2.0)	GALNT2 (2.0)
MPHOSPH9 (2.1)	MFAP1 (2.1)
MON1A (1.9)	B3GNT9 (1.9)
GALNT2 (2.2)	FADS2 (2.0)
CIAPIN1 (2.0)	PPIP5K1 (2.0)
INTS10 (2.4)	HARBI1 (2.2)
ENSG00000254235 (2	MT1F (1.9)
PVRL2 (1.7)	LRP4 (1.7)
C11orf49 (1.8)	MYO5B (1.8)
UVRAG (1.7)	FPR3 (1.7)
JMJD1C (1.7)	PSMC3 (1.7)
DUSP3 (1.5)	MYBPC3 (1.5)
GNAO1 (2.2)	CELSR2 (2.2)
KLHL8 (2.1)	RBM6 (2.1)
SNX13 (1.7)	GPER (1.6)
MADD (2.3)	ESRP2 (2.2)
LSM12 (1.9)	INTS10 (1.9)
ENSG00000236267 (1	PGAP3 (1.9)
BAZ1B (2.8)	NUDT21 (2.4)
HARBI1 (1.6)	PSMC3 (1.5)
UBE2L3 (1.6)	WDR76 (1.6)
PCSK7 (2.1)	EXOC3L1 (2.0)
PPIP5K1 (2.1)	OR4A1P (2.1)
C11orf49 (2.0)	ZNF615 (1.9)
UBE3B (1.7)	CMIP (1.6)
KANK2 (2.1)	HDAC5 (2.0)
TBKBP1 (1.9)	CMIP (1.8)
DUS2L (2.2)	NFATC3 (2.1)
C1QTNF4 (2.0)	BACE1 (1.9)
MYO5B (2.5)	KIAA0754 (2.1)
C1QTNF4 (1.9)	PPIP5K1 (1.8)
BAZ1B (2.4)	ZFAND2A (2.3)
MYBPC3 (1.4)	SLC12A4 (1.4)
CCNDBP1 (2.4)	PPIP5K1 (2.4)

MPP3 (1.8)	TTBK2 (1.8)
MPP2 (1.7)	C1QTNF4 (1.6)
BACE1 (1.8)	PLA2G6 (1.7)
LSM12 (1.9)	CIAPIN1 (1.9)
PXK (1.9)	EIF3J (1.7)
TTBK2 (2.2)	BUD13 (2.1)
SLC39A13 (1.8)	PLTP (1.7)
CTDSPL2 (1.8)	ENSG00000247867 (1
BAZ1B (2.7)	NUDT21 (2.6)
CMIP (1.9)	NRBF2 (1.9)
GFOD2 (2.4)	RANBP10 (2.4)
PGAP3 (2.1)	FRMD5 (2.1)
TMEM175 (2.0)	C11orf49 (2.0)
ENSG00000229043 (1	KLF14 (1.8)
SPI1 (2.3)	MADD (2.3)
POLR2C (2.1)	MED1 (2.1)
ADAL (2.1)	SIK3 (2.1)
CCNDBP1 (2.3)	CCDC92 (2.3)
MAP1A (2.0)	OR5I1 (1.9)
CKAP5 (2.9)	NUP93 (2.9)
CX3CL1 (2.5)	NUDT21 (2.3)
CXXC1 (1.8)	COX19 (1.8)
ENSG00000226334 (2	KIAA0895L (2.1)
KCTD19 (2.0)	PCIF1 (1.9)
PVRL2 (2.2)	OR5I1 (2.1)
ENSG00000226334 (1	ARFGAP2 (1.5)
PGAP3 (1.9)	DGKG (1.9)
HDAC5 (1.8)	PIGV (1.7)
C7orf50 (1.9)	ARID1A (1.9)
C17orf57 (1.8)	SETD8 (1.8)
ENSG00000223745 (1	PSKH1 (1.8)
TMEM175 (2.1)	ENSG00000256746 (2
PYY (1.8)	ABCB9 (1.7)
DEPDC1 (2.5)	CENPT (2.5)
ENSG00000182109 (2	C18orf32 (2.0)
HSF4 (2.1)	SMPD3 (2.0)
RLTPR (2.3)	CELSR2 (2.1)
BACE1 (1.8)	LRP4 (1.8)
SMPD3 (1.8)	CASC4 (1.8)
LRP4 (1.9)	TGM7 (1.9)
SNORD58C (2.4)	GPN2 (2.4)
LIPG (2.2)	TSNAXIP1 (2.0)
PTPRZ1 (1.8)	NEUROD2 (1.8)
C11orf49 (1.7)	DGKG (1.6)
HARBI1 (1.7)	PTPRZ1 (1.7)
SFN (1.8)	ENSG00000182109 (1
ELMO3 (1.6)	TMEM208 (1.6)
TCAP (2.2)	ARHGAP1 (2.2)
ENSG00000226645 (1	DR1 (1.8)
DYM (2.2)	CCDC92 (2.2)

MON1A (2.9)	LCMT2 (2.7)
TRPS1 (1.7)	TBKBP1 (1.6)
FBXL20 (2.5)	CCDC18 (2.3)
FBXL20 (2.5)	CCDC18 (2.3)
UBE2L3 (2.2)	MACF1 (2.1)
BAZ1B (2.1)	C1orf172 (2.1)
C16orf86 (1.9)	OR4A1P (1.8)
C16orf86 (1.9)	OR4A1P (1.8)
C11orf9 (2.3)	DOK4 (2.3)
G6PC3 (2.5)	ZSCAN29 (2.5)
FRMD5 (1.9)	DDX28 (1.9)
PARD6A (2.5)	NUP160 (2.3)
SLC7A6OS (2.0)	PTPRJ (2.0)
ELMO3 (2.0)	G6PC3 (1.9)
OR5I1 (1.9)	ENSG00000182109 (1
TRNP1 (2.3)	ABCB9 (2.3)
FAM192A (2.0)	BCL7B (1.9)
MT1X (2.1)	MTCH2 (2.0)
HSF4 (1.8)	ST3GAL4 (1.8)
ENSG00000229043 (1	RAPSN (1.5)
LRP4 (2.0)	CES4A (1.9)
AMFR (2.3)	MAP1A (2.2)
TMEM62 (1.8)	FNBP4 (1.8)
OR5I1 (1.8)	SFN (1.7)
C1orf172 (2.1)	GRB7 (2.1)
ENSG00000255507 (1	OR4A21P (1.5)
CPNE2 (2.0)	C11orf49 (2.0)
YDJC (2.3)	DUS2L (2.2)
ZNF335 (1.9)	PIGV (1.9)
TRNP1 (2.2)	SLC9A5 (2.2)
TMEM62 (2.3)	MYO1H (2.1)
GPER (1.8)	LRP4 (1.8)
BAZ1B (2.7)	NUP93 (2.3)
CPNE2 (2.0)	C1QTNF4 (1.9)
PLA2G15 (1.9)	ZSCAN29 (1.7)
DPEP2 (1.7)	ESRP2 (1.5)
GPIHBP1 (1.8)	C1QTNF4 (1.8)
CCDC11 (2.4)	OR5L2 (2.1)
RSPO3 (2.0)	ENSG00000181296 (1
MIEN1 (2.0)	ACAA2 (2.0)
ETV5 (1.5)	KCTD6 (1.5)
C1QTNF4 (2.2)	TECTB (2.1)
C1QTNF4 (2.2)	TECTB (2.1)
PNMT (2.0)	TMED5 (2.0)
FADS1 (1.6)	SMPD3 (1.6)
ENSG00000181296 (2	GLUL (2.0)
EIF3J (2.8)	PRMT7 (2.7)
ARID1A (1.8)	WDR76 (1.8)
ADAL (1.8)	DUS2L (1.8)
KLHL8 (2.2)	TSNAXIP1 (2.2)

ENSG00000247867 (2	DUSP3 (2.1)
ABCA1 (1.9)	TBL2 (1.8)
CXXC1 (1.9)	PCSK7 (1.9)
CXXC1 (1.9)	PCSK7 (1.9)
CXXC1 (1.9)	PCSK7 (1.9)
CXXC1 (1.9)	PCSK7 (1.9)
SLC9A5 (2.5)	CATSPER2 (2.4)
RANBP10 (2.4)	RBM5 (2.3)
DNAH10 (2.1)	FADS2 (2.0)
EDC4 (2.4)	PSKH1 (2.2)
ADAL (2.3)	SPG11 (2.2)
ENSG00000236267 (1	SLC7A6 (1.4)
BAZ1B (1.8)	ARID1A (1.7)
ACAA2 (2.0)	CCDC92 (2.0)
RANBP10 (1.9)	INTS10 (1.8)
HSF4 (1.9)	RAPSN (1.9)
TSNAXIP1 (1.6)	ENSG00000256746 (1
TMEM62 (1.8)	FNBP4 (1.8)
TMEM62 (1.8)	FNBP4 (1.8)
ESRP2 (2.0)	WDR76 (1.9)
SKA1 (2.8)	BAZ1B (2.6)
FEN1 (2.1)	C12orf43 (2.0)
GNAO1 (1.9)	C17orf105 (1.8)
TTBK2 (1.9)	ENSG00000223745 (1
TMEM208 (2.2)	NUDT21 (2.1)
CATSPER2 (1.9)	KCTD10 (1.8)
NUDT21 (2.8)	BAZ1B (2.7)
UBE2L3 (1.9)	GNAO1 (1.9)
PPY (1.6)	SBNO1 (1.6)
CYP26A1 (1.9)	ABCA8 (1.9)
PSMC3 (1.5)	C12orf43 (1.5)
TTC39B (1.7)	BBS2 (1.7)
OR4A21P (1.8)	COX19 (1.8)
C11orf49 (2.0)	HSF4 (2.0)
CLPTM1 (2.4)	NOL3 (2.1)
PXK (1.9)	C18orf32 (1.8)
PYY (1.8)	RAPSN (1.8)
ENSG00000223745 (1	GPR146 (1.5)
SLC12A3 (2.0)	G6PC3 (2.0)
ZNF615 (1.7)	ABCB9 (1.7)
ZNF259 (2.8)	DDX28 (2.7)
ZNF259 (2.8)	DDX28 (2.7)
DDB2 (1.8)	CETP (1.8)
YDJC (2.0)	XKR8 (2.0)
TOMM40 (1.7)	INTS10 (1.6)
ENSG00000181296 (1	ERBB2 (1.8)
ABCB9 (2.0)	ARFGAP2 (1.9)
ZNF259 (3.0)	C12orf43 (2.9)
LRRC29 (1.8)	ENSG00000236267 (1
MT1H (2.1)	TGM7 (1.9)

C17orf57 (1.9)	GPER (1.8)
ENSG00000229043 (1	HSF4 (1.7)
ENSG00000256746 (2	TMEM62 (1.8)
ENSG00000182109 (1	KLF14 (1.9)
FBXL20 (2.0)	CXXC1 (1.9)
TTBK2 (2.1)	ZNF664 (2.0)
C16orf86 (2.1)	TSNAXIP1 (1.9)
GFOD2 (2.0)	DNAH10 (2.0)
PNMT (2.0)	MLXIPL (1.8)
PTPRZ1 (1.7)	ENSG00000256746 (1
ENSG00000236267 (1	C7orf50 (1.3)
FAM192A (1.7)	SMPD3 (1.7)
DPEP3 (2.4)	LRRC29 (2.4)
KIAA0895L (2.1)	CELSR2 (2.1)
KPNB1 (2.3)	SLC7A6OS (2.2)
G6PC3 (1.7)	C17orf105 (1.7)
PPIP5K1 (2.6)	PIGV (2.6)
ARID1A (1.7)	UBE2L3 (1.7)
LSM12 (1.8)	LCMT2 (1.7)
CCDC92 (2.0)	TGM5 (1.8)
ADAL (1.9)	SLC9A5 (1.8)
TECTB (1.8)	GPER (1.7)
SPRYD5 (2.4)	ENSG00000229043 (2
DOK4 (1.8)	CBFB (1.7)
PPP1R1B (2.2)	DUS2L (2.2)
NUDT21 (2.5)	DDB2 (2.5)
KCTD19 (2.3)	CCDC11 (2.3)
SMPD3 (1.9)	PLTP (1.9)
LRRC29 (2.1)	CXXC1 (2.1)
BMP8A (1.7)	CATSPER2 (1.6)
PRMT7 (2.0)	PXK (1.9)
TUBGCP4 (2.8)	CATSPER2 (2.7)
HARBI1 (1.3)	EIF3J (1.3)
ENSG00000247867 (1	TMEM175 (1.6)
ENSG00000256746 (2	CMIP (2.0)
AGBL2 (1.9)	ENSG00000236267 (1
PSMC3 (1.8)	SNX13 (1.7)
PLEKHG4 (2.4)	UBE3B (2.2)
ABCA1 (2.2)	CATSPER2 (2.2)
OR5I1 (2.3)	MT1E (2.2)
ENSG00000254235 (1	C17orf105 (1.4)
MPHOSPH9 (2.1)	DEPDC1 (2.1)
TGM7 (2.7)	ESRP2 (2.7)
C1orf172 (1.7)	MADD (1.6)
TTC39B (1.5)	DPEP3 (1.4)
TTC39B (1.5)	DPEP3 (1.4)
DR1 (1.8)	MTF2 (1.8)
CCDC92 (1.6)	ENSG00000236267 (1
HDAC5 (1.9)	ARFGAP2 (1.8)
SEC14L4 (1.6)	MAP1A (1.5)

NUTF2 (1.7)	PACSIN3 (1.6)
KCTD19 (1.8)	PYY (1.7)
TMEM208 (2.0)	AMBRA1 (2.0)
ZNF614 (1.7)	C12orf43 (1.7)
LRP4 (2.4)	VEGFA (2.2)
PARD6A (2.1)	TECTB (2.1)
ENSG00000223745 (1	LPA (1.6)
MFAP1 (3.0)	KPNB1 (2.9)
C12orf43 (2.0)	CASC4 (2.0)
SFN (1.9)	C1orf172 (1.9)
SFN (1.9)	C1orf172 (1.9)
BACE1 (1.9)	MADD (1.8)
ENSG00000254235 (1	THAP11 (1.4)
SEC14L4 (1.9)	RSPO3 (1.8)
C11orf49 (2.0)	MADD (2.0)
ABCB9 (1.9)	ANGPTL4 (1.9)
PSMC3 (1.9)	CMIP (1.8)
ZNF615 (2.4)	ACD (2.4)
C12orf43 (2.0)	TRNP1 (1.7)
NEUROD2 (2.2)	TRNP1 (2.1)
CELSR2 (1.8)	KIAA0895L (1.7)
SKA1 (2.9)	NFATC3 (2.8)
MYO5B (2.0)	AGBL2 (2.0)
C12orf43 (2.1)	SNORD58C (2.0)
PPY (1.8)	CTDSPL2 (1.7)
AMFR (1.9)	DOK4 (1.9)
C18orf32 (2.2)	PSMB10 (2.2)
C18orf32 (2.2)	PSMB10 (2.2)
C18orf32 (2.2)	PSMB10 (2.2)
ZNF615 (1.8)	KIAA0754 (1.8)
EYA3 (2.0)	AMBRA1 (2.0)
MVK (1.8)	LCMT2 (1.8)
ABCA8 (2.0)	SMPD3 (1.9)
KCTD19 (1.9)	PSKH1 (1.7)
PPIP5K1 (2.0)	C11orf49 (2.0)
SPI1 (2.0)	PTPRJ (2.0)
ENSG00000247867 (1	CD40 (1.9)
ENSG00000226645 (2	DOK4 (1.9)
C17orf57 (1.9)	EXOC3L1 (1.9)
ENSG00000179523 (2	BCAM (2.1)
PIGV (1.9)	TTC39B (1.9)
MFAP1 (2.3)	BCL7B (2.1)
PPIP5K1 (2.1)	MPHOSPH9 (2.0)
SETD8 (2.0)	TNKS (1.9)
CKAP5 (1.8)	KCTD10 (1.7)
OR5I1 (1.7)	FZD9 (1.6)
CASC4 (2.0)	CKAP5 (1.9)
RBM6 (1.7)	UBE2L3 (1.7)
ENSG00000181296 (2	CASC4 (2.0)
ENSG00000226645 (1	HSF4 (1.8)

DPEP2 (1.8)	PSMB10 (1.8)
LRP4 (2.2)	LIPG (2.1)
SFN (1.8)	SOST (1.7)
MIEN1 (2.5)	PNMT (2.3)
TBKBP1 (1.6)	C1QTNF4 (1.6)
TP53BP1 (2.6)	MFAP1 (2.5)
G6PC3 (2.0)	SMPD3 (1.9)
WDR76 (2.4)	TP53BP1 (2.3)
TRIB1 (1.8)	SCARB1 (1.6)
BAZ1B (2.4)	ACD (2.4)
CIAPIN1 (2.1)	TMEM208 (2.1)
KIAA0754 (1.7)	ARID1A (1.6)
SLC7A6OS (2.4)	SNORD58C (2.3)
C17orf105 (1.9)	LILRA3 (1.9)
LCMT2 (1.7)	WDR76 (1.7)
INTS10 (1.5)	CCL17 (1.4)
MTF2 (2.8)	NUDT21 (2.8)
GPER (2.0)	ENSG00000223745 (1
ENSG00000229043 (2	SIK3 (1.9)
ENSG00000229043 (2	SIK3 (1.9)
DCPS (2.0)	PRMT7 (2.0)
ENSG00000236267 (1	SLC9A5 (1.8)
YDJC (2.0)	LSM12 (1.9)
MST1R (2.0)	REEP3 (1.9)
ACD (2.3)	CXXC1 (2.3)
ZNF259 (1.8)	ENSG00000226645 (1
TMEM62 (2.0)	ABCB9 (2.0)
CITED2 (1.5)	PLTP (1.5)
LRRC29 (1.8)	FZD9 (1.8)
THAP11 (1.8)	KPNB1 (1.8)
THAP11 (1.8)	KPNB1 (1.8)
C16orf86 (2.2)	COX19 (1.7)
BAZ1B (2.5)	UBR1 (2.5)
CCDC11 (2.6)	TMEM101 (2.4)
MPP3 (2.0)	ENSG00000182109 (1
MPP3 (2.0)	ENSG00000182109 (1
PCIF1 (2.0)	OR5J2 (1.9)
PLTP (1.4)	DPEP2 (1.3)
LRRC29 (2.1)	KIAA0754 (2.0)
MIEN1 (2.2)	CBFB (2.1)
EXOC3L1 (1.9)	CX3CL1 (1.8)
MYO5B (1.8)	COBLL1 (1.8)
STRC (1.8)	RNF214 (1.8)
SPI1 (2.0)	SIDT2 (2.0)
ARHGAP1 (2.0)	IGF2R (2.0)
CCDC92 (2.7)	TGM7 (2.5)
ENSG00000223745 (1	MPP3 (1.7)
RLTPR (2.0)	C11orf49 (2.0)
DPEP3 (1.4)	C12orf43 (1.4)
RLTPR (2.0)	C11orf49 (2.0)

TMEM101 (1.8)	C17orf57 (1.8)
SKA1 (2.7)	PARD6A (2.4)
NPEPPS (1.5)	TRPS1 (1.5)
HNF1A (2.2)	PAFAH1B2 (1.9)
BAZ1B (1.8)	EIF3J (1.7)
OR5L2 (2.4)	TGM7 (2.4)
ENSG00000236267 (1	COX19 (1.3)
C12orf43 (1.7)	UVRAG (1.7)
ENSG00000255507 (2	ENSG00000254235 (2
YDJC (2.0)	C16orf86 (2.0)
CCDC92 (2.1)	C1QTNF4 (1.9)
TGM7 (1.9)	SMPD3 (1.9)
C11orf49 (1.4)	MPP2 (1.2)
ABCA8 (1.8)	UBR1 (1.7)
ENSG00000247867 (2	KCTD19 (2.0)
ETV5 (2.2)	TMEM101 (2.2)
ENSG00000256746 (2	UBR1 (2.2)
DPEP2 (2.0)	DNAH10 (2.0)
LCMT2 (2.8)	YDJC (2.8)
OR5I1 (1.8)	ADAL (1.7)
C11orf9 (2.1)	ENSG00000247867 (2
PGAP3 (1.8)	TMED5 (1.8)
PSMC3 (2.0)	ENSG00000226645 (1
ZNF664 (2.0)	PSKH1 (2.0)
NOL3 (1.9)	CD36 (1.8)
GPER (2.0)	ENSG00000182109 (1
PCSK7 (2.0)	BAZ1B (1.9)
LPA (2.0)	C12orf65 (1.9)
EIF3J (2.0)	LRRC29 (2.0)
KIAA0895L (1.4)	ENSG00000236267 (1
TMEM101 (2.0)	LRRC29 (2.0)
CASC4 (2.1)	C12orf43 (2.1)
C1QTNF4 (2.0)	RLTPR (2.0)
DYM (1.8)	KCTD10 (1.7)
ACD (2.4)	NUP160 (2.3)
PITPNM2 (2.0)	ZNF613 (1.9)
KIAA0754 (1.7)	HNF1A (1.6)
PPIP5K1 (1.9)	CPNE2 (1.9)
ZSCAN29 (1.8)	MT1H (1.8)
ERBB2 (2.2)	OR5J2 (2.1)
RBM6 (2.1)	CENPT (2.1)
ERBB2 (2.4)	HARBI1 (2.2)
BMP8A (2.0)	HARBI1 (1.9)
DOCK6 (2.0)	DYM (2.0)
UBE3B (1.6)	RNF214 (1.6)
ENSG00000181296 (2	OR4A1P (2.1)
ZNF408 (2.7)	SNORD58C (2.7)
RLTPR (2.0)	CX3CL1 (1.9)
DGKG (2.0)	ENSG00000226334 (1
MPP2 (2.0)	BCL7B (2.0)

BCAM (1.7)	MYO1H (1.5)
ENSG00000256746 (2	RNF214 (2.0)
ZNF664 (2.0)	BMP8A (1.9)
KIAA0754 (1.6)	MYO5B (1.6)
UBE3B (2.1)	UBE2L3 (2.0)
RNF214 (1.7)	ENSG00000256746 (1
CXXC1 (2.0)	ARFGAP2 (2.0)
MT1M (1.7)	TTBK2 (1.7)
CCDC116 (1.9)	ENSG00000226334 (1
TAGLN (1.4)	ESRP2 (1.4)
ZNF614 (1.4)	COX19 (1.3)
ZNF614 (1.4)	COX19 (1.3)
TMEM175 (1.5)	PSKH1 (1.5)
KCTD19 (1.6)	DUS2L (1.6)
BACE1 (1.8)	ZDHHC18 (1.8)
DUS2L (1.7)	KLHL8 (1.6)
GPIHBP1 (2.0)	MYO5B (2.0)
NUP93 (2.7)	KPNB1 (2.7)
RLTPR (2.0)	C11orf49 (1.9)
PPP1R1B (2.0)	IGF2R (1.9)
ENSG00000181296 (1	FADS2 (1.6)
TTBK2 (2.0)	C17orf105 (1.7)
SNORD58C (2.2)	MTF2 (2.2)
ACP2 (1.7)	FNBP4 (1.7)
DNAH10 (1.5)	ENSG00000254235 (1
GPER (1.3)	ZNF335 (1.3)
OR5I1 (1.8)	MAP1A (1.7)
CCDC11 (2.1)	KIAA0754 (1.9)
RSPO3 (2.3)	MADD (2.2)
HARBI1 (1.9)	KLHL8 (1.9)
SFN (2.0)	TNKS (1.9)
DYM (2.0)	RANBP10 (2.0)
PDE3A (1.9)	C1QTNF4 (1.8)
AGBL2 (1.6)	TGM5 (1.6)
MAP1A (1.8)	BACE1 (1.5)
KLF14 (1.5)	NR0B2 (1.5)
C11orf9 (1.9)	C11orf49 (1.9)
CMIP (2.0)	CES4A (2.0)
PPIP5K1 (2.1)	NPEPPS (1.9)
C16orf70 (2.0)	SNORD58C (2.0)
C17orf57 (1.8)	ZNF408 (1.8)
ZNF335 (2.1)	UBE3B (2.1)
SLC7A6OS (2.8)	DR1 (2.7)
CPNE2 (2.0)	PPIP5K1 (2.0)
OR4A1P (1.7)	G6PC3 (1.6)
BUD13 (2.5)	ENSG00000223745 (2
BUD13 (2.5)	ENSG00000223745 (2
DUS2L (1.9)	CCDC116 (1.9)
C17orf57 (2.5)	FNBP4 (2.4)
KLHL8 (1.6)	G6PC3 (1.6)

RSPO3 (1.7)	ENSG00000179523 (1
NR0B2 (1.5)	HNF1A (1.4)
ENSG00000256746 (2	SLC9A5 (2.0)
BAZ1B (2.3)	MTF2 (2.2)
PSMB10 (2.2)	HARBI1 (2.1)
PSMB10 (2.2)	HARBI1 (2.1)
PSMB10 (2.2)	HARBI1 (2.1)
PSMB10 (2.2)	HARBI1 (2.1)
PSMB10 (2.2)	HARBI1 (2.1)
PSMB10 (2.2)	HARBI1 (2.1)
OR5L2 (1.8)	NCOA5 (1.8)
NUP160 (2.3)	TOMM40 (2.1)
MED1 (2.1)	ZNF259 (2.1)
ZDHHC18 (1.9)	FBXL20 (1.9)
COBLL1 (1.8)	GALNT2 (1.8)
NOL3 (2.0)	GPR146 (1.7)
SLC9A5 (2.2)	DGKG (2.0)
STRC (1.9)	NUTF2 (1.9)
SLC12A4 (1.6)	C17orf57 (1.6)
RNF214 (1.7)	RAB11B (1.6)
C11orf9 (2.1)	CASC4 (2.0)
ENSG00000226645 (1	COBLL1 (1.4)
LCMT2 (2.6)	CTDSPL2 (2.5)
SLC39A13 (1.5)	ENSG00000179523 (1
TMEM101 (1.9)	KCTD6 (1.9)
MTCH2 (2.0)	CLPTM1 (2.0)
BAZ1B (1.9)	MADD (1.9)
ENSG00000256746 (2	PXK (2.2)
NEUROD2 (1.7)	PACSIN3 (1.6)
SLC39A13 (2.2)	MON1A (2.2)
NUP160 (2.3)	DUS2L (2.1)
ETV5 (1.8)	KCTD6 (1.7)
MT1M (1.8)	MADD (1.7)
MAP1A (2.0)	DOK4 (2.0)
C12orf43 (2.2)	PSMC3 (2.0)
TUBGCP4 (2.6)	PIGV (2.6)
PPP1R1B (1.8)	STRC (1.7)
TMEM101 (1.6)	PAFAH1B2 (1.6)
ENSG00000256746 (2	CYP26A1 (1.9)
FRMD5 (1.6)	TUBGCP4 (1.6)
PPIP5K1 (1.6)	SETD8 (1.6)
ABHD6 (1.9)	CELSR2 (1.8)
KLF14 (2.0)	ENSG00000255507 (2
GFOD2 (1.6)	SPRYD5 (1.6)
CPNE2 (1.9)	PPIP5K1 (1.9)
GALNT2 (1.7)	SOST (1.7)
ENSG00000255507 (1	ENSG00000182109 (1
THAP11 (1.8)	ENSG00000226645 (1
THAP11 (1.8)	ENSG00000226645 (1
PTPMT1 (2.3)	KCTD19 (2.0)

ACP2 (1.7)	EXOC3L1 (1.6)
ACP2 (1.7)	EXOC3L1 (1.6)
DR1 (2.6)	KANK2 (2.2)
CYP26A1 (2.2)	ENSG00000181296 (2
KPNB1 (1.8)	MTF2 (1.8)
KPNB1 (1.8)	MTF2 (1.8)
CATSPER2 (2.2)	MAP1A (2.1)
PPP1R1B (1.9)	ARID1A (1.9)
TBL2 (1.9)	HCAR1 (1.7)
C1QTNF4 (2.0)	C18orf32 (1.9)
CCDC116 (1.6)	CYP2W1 (1.5)
ENSG00000256746 (1	KCTD19 (1.7)
ENSG00000182109 (2	LRP4 (1.9)
PITPNM2 (1.9)	ENSG00000182109 (1
KPNB1 (1.6)	SETD8 (1.6)
FNBP4 (1.4)	SLC7A6 (1.4)
C16orf70 (2.0)	ZNF615 (1.9)
OR5J2 (2.1)	ENSG00000223745 (2
DUSP3 (2.2)	ENSG00000247867 (1
ZNF259 (1.7)	NRBF2 (1.6)
ZNF614 (2.4)	SPRYD5 (2.3)
ENSG00000236267 (1	DNAH10 (1.5)
ENSG00000226645 (2	DUS2L (2.1)
COX19 (2.2)	ADAL (1.9)
SPRYD5 (2.0)	ENSG00000181296 (1
ESRP2 (1.9)	MST1R (1.8)
PPP1R1B (2.3)	BACE1 (2.3)
CCDC92 (2.3)	ELMO3 (2.1)
PTPRZ1 (1.9)	MAP1A (1.9)
ENSG00000247867 (1	SEC14L4 (1.9)
ENSG00000223745 (1	MPP2 (1.9)
MPHOSPH9 (1.7)	CES4A (1.6)
CCDC116 (1.6)	SLC12A4 (1.6)
TMEM101 (2.0)	G6PC3 (1.9)
ENSG00000223745 (2	MADD (1.9)
KIAA0895L (2.0)	EXOC3L1 (2.0)
GNAO1 (2.3)	CELSR2 (2.1)
ANGPTL4 (1.9)	ABCB9 (1.9)
KCTD10 (2.2)	MADD (2.0)
SNX13 (2.2)	PARD6A (2.1)
CYP2W1 (1.9)	MAP1A (1.9)
PAFAH1B2 (1.8)	PRMT7 (1.7)
PAFAH1B2 (1.8)	PRMT7 (1.7)
ENSG00000256746 (1	ENSG00000223745 (1
ENSG00000256746 (1	ENSG00000223745 (1
RBM5 (2.0)	IGF2R (2.0)
SBNO1 (1.9)	HNF1A (1.9)
DDB2 (2.3)	CCNDBP1 (2.3)
GNAO1 (2.1)	C1QTNF4 (1.9)
OR5L2 (1.8)	TRNP1 (1.8)

B3GNT9 (1.9)	SLC39A13 (1.8)
B3GNT9 (1.9)	SLC39A13 (1.8)
DPEP2 (2.0)	LILRA3 (1.9)
CBFB (1.8)	TUBGCP4 (1.8)
CATSPER2 (1.7)	ABCB9 (1.7)
KIAA0895L (1.9)	AMFR (1.8)
C12orf43 (1.7)	ZNF614 (1.4)
TGM5 (1.7)	CDK12 (1.7)
PTPMT1 (1.8)	OR4A1P (1.8)
AGBL2 (1.8)	SBNO1 (1.8)
SBNO1 (1.9)	PSKH1 (1.9)
CPNE2 (2.2)	GNAO1 (2.2)
KLF14 (1.7)	SNORD58C (1.7)
C16orf48 (1.4)	MYO5B (1.2)
UBE2L3 (1.8)	ENSG00000223745 (1
E2F4 (1.7)	MT1F (1.7)
FRMD5 (2.6)	AMFR (2.4)
REEP3 (2.1)	PYY (2.0)
CENPT (2.6)	MPHOSPH9 (2.5)
NOL3 (1.7)	RSPO3 (1.6)
G6PC3 (2.0)	EPB42 (2.0)
COBLL1 (2.2)	BCAM (2.2)
SKA1 (2.4)	BBS2 (2.3)
SKA1 (2.4)	BBS2 (2.3)
STRC (1.5)	OASL (1.5)
ENSG00000182109 (2	ENSG00000226334 (1
RLTPR (2.1)	CPNE2 (2.1)
GALNT2 (1.7)	KANK2 (1.6)
PYY (2.1)	LRP4 (2.0)
SLC39A13 (1.6)	TTC39B (1.5)
RBM6 (1.9)	GFOD2 (1.7)
STRC (1.8)	EYA3 (1.8)
CCDC18 (2.5)	LRRC29 (2.5)
XKR8 (1.8)	MON1A (1.8)
TGM7 (2.0)	MTCH2 (2.0)
PAFAH1B2 (1.9)	EXOC3L1 (1.9)
DYM (1.6)	PDIA3 (1.6)
C16orf70 (1.7)	TRNP1 (1.7)
AMFR (2.2)	PSKH1 (2.1)
CCNDBP1 (1.8)	ARFGAP2 (1.8)
C17orf57 (1.5)	SNX13 (1.4)
SMPD3 (2.0)	ENSG00000181296 (1
SNX10 (1.9)	C11orf9 (1.9)
HNF1A (1.8)	ZNF350 (1.7)
ABCA8 (1.7)	C1orf172 (1.6)
ENSG00000247867 (2	ZNF613 (1.9)
CCL17 (1.9)	GNAO1 (1.9)
MTF2 (2.5)	PARD6A (2.4)
ENSG00000254235 (2	OR4A1P (2.0)
C7orf50 (1.9)	UBR1 (1.9)

OR5J2 (1.6)	SLC39A13 (1.6)
PYY (2.1)	CYP26A1 (2.0)
MT1X (1.8)	LRP4 (1.7)
MT1M (1.8)	GPER (1.8)
ENSG00000229043 (1	CCDC92 (1.7)
PSMB10 (1.9)	TTC39B (1.8)
CKAP5 (2.3)	KCTD19 (2.3)
CKAP5 (2.3)	KCTD19 (2.3)
FRMD5 (1.6)	DOK4 (1.5)
DDX28 (3.0)	YDJC (2.8)
ENSG00000256746 (2	ZNF259 (2.1)
MIEN1 (1.9)	CATSPER2 (1.6)
CELF1 (1.9)	CITED2 (1.8)
MIEN1 (2.4)	DDB2 (2.4)
RNF214 (2.2)	DUS2L (1.9)
RNF214 (2.2)	DUS2L (1.9)
NUP160 (2.5)	ENSG00000256746 (2
SLC12A4 (2.3)	ENSG00000256746 (2
CCNDBP1 (1.8)	GFOD2 (1.7)
DDB2 (2.4)	MIEN1 (2.4)
HNF1A (1.6)	BACE1 (1.6)
MT1G (2.1)	DNAH10 (2.1)
SETD8 (1.8)	LSM12 (1.7)
YDJC (2.2)	DUS2L (2.2)
ENSG00000247445 (1	MT1F (1.8)
HNF1A (1.8)	MAP1A (1.8)
PNMT (1.4)	ENSG00000226334 (1
ZNF350 (2.0)	MON1A (2.0)
TRNP1 (2.3)	HSF4 (2.2)
C11orf9 (2.0)	KCTD10 (2.0)
TTBK2 (2.3)	RAB11B (2.3)
CX3CL1 (2.0)	MADD (2.0)
TMEM101 (2.0)	ABHD6 (2.0)
PTPRZ1 (1.4)	CELSR2 (1.4)
SIDT2 (2.0)	PNMT (1.9)
REEP3 (1.9)	TMED5 (1.9)
DUS2L (2.3)	DDX28 (2.2)
HDAC5 (2.1)	ZNF259 (2.0)
CBFB (1.8)	LSM12 (1.7)
FBXL20 (2.0)	C18orf32 (1.8)
CYP2W1 (1.4)	ENSG00000236267 (1
PPP1R1B (2.1)	TUBGCP4 (2.1)
AMBRA1 (2.2)	FAM192A (2.1)
CCDC18 (1.9)	SETD8 (1.9)
DOK4 (1.9)	ENSG00000247867 (1
CYP2W1 (1.9)	TRNP1 (1.9)
SLC12A4 (1.8)	C11orf49 (1.8)
ENSG00000256746 (2	SOST (1.9)
TGM7 (2.1)	DNAH10 (2.1)
SLC9A5 (2.2)	CCDC116 (2.1)

ETV5 (1.8)	CYP26A1 (1.7)
SEC14L4 (2.0)	CYP26A1 (1.9)
KCTD6 (1.9)	C16orf86 (1.9)
GFOD2 (2.2)	TTBK2 (2.1)
RBPJ (1.6)	RSPO3 (1.6)
PTPMT1 (2.3)	DCPS (2.2)
DNAH10 (2.2)	SNORD58C (2.1)
ENSG00000255507 (2	ABHD6 (1.9)
MST1R (2.1)	ESRP2 (2.0)
TBKBP1 (1.8)	BBS2 (1.7)
TMEM208 (2.5)	POLR2C (2.3)
SLC7A6 (1.8)	ZNF664 (1.8)
SLC7A6 (1.8)	ZNF664 (1.8)
MED1 (1.9)	MYO1H (1.8)
SNORD58C (2.0)	C12orf43 (1.8)
ENSG00000247867 (1	OR4A21P (1.4)
ENSG00000182109 (1	RAPSN (1.6)
RNF214 (1.5)	TECTB (1.5)
KCTD19 (1.2)	ZNF613 (1.2)
KIAA0895L (1.9)	DGKG (1.9)
ACD (2.7)	PARD6A (2.7)
PTPRJ (1.6)	TTC39B (1.6)
PNMT (1.7)	DPEP2 (1.6)
KIAA0895L (2.3)	SPRYD5 (2.3)
DNAH10 (2.2)	CYP26A1 (2.1)
PPIP5K1 (1.9)	PITPNM2 (1.9)
OR4A21P (1.6)	SLC7A6 (1.4)
SPG11 (2.0)	BMP8A (2.0)
KIAA0895L (1.8)	ENSG00000226645 (1
DEPDC1 (2.3)	SIK3 (2.3)
DDB2 (2.5)	CENPT (2.3)
DNAH10 (2.3)	DOK4 (2.2)
GFOD2 (1.8)	CPNE2 (1.7)
SCARB1 (2.0)	CATSPER2 (1.9)
LRRC29 (1.9)	ZNF613 (1.9)
UBE2L3 (1.7)	OR4A21P (1.7)
NOL3 (2.5)	FAM192A (2.4)
NUDT21 (2.0)	ATG13 (1.8)
BUD13 (2.2)	DCPS (2.1)
OR5J2 (2.0)	DOCK6 (1.8)
NLRC5 (2.2)	HARBI1 (2.1)
NLRC5 (2.2)	HARBI1 (2.1)
PARD6A (2.6)	ENSG00000256746 (2
TBL2 (2.1)	TMED5 (2.0)
C18orf32 (1.9)	ZNF259 (1.9)
C12orf43 (2.4)	LCMT2 (2.4)
HDAC5 (2.4)	MED1 (2.4)
MYO5B (1.9)	CELSR2 (1.9)
GNAO1 (1.8)	NEUROD2 (1.8)
C1QTNF4 (1.9)	COBLL1 (1.9)

C11orf49 (2.0)	OR4A21P (2.0)
GALNT2 (2.3)	TBL2 (2.1)
BUD13 (1.8)	C17orf105 (1.8)
CMIP (1.3)	THAP11 (1.3)
TP53BP1 (1.9)	BACE1 (1.8)
RBM6 (1.9)	TOMM40 (1.8)
GPIHBP1 (1.9)	PTPRZ1 (1.9)
LPL (1.4)	INTS10 (1.4)
PSKH1 (1.9)	PPP1R1B (1.8)
DR1 (2.1)	GNAO1 (1.9)
PDE3A (1.8)	KLF14 (1.7)
TMEM175 (2.2)	DNAH10 (2.2)
PSKH1 (1.9)	CPNE2 (1.8)
GALNT2 (2.2)	DYM (1.9)
ZNF613 (2.3)	ZNF615 (2.3)
TGM5 (2.2)	FADS2 (2.1)
PITPNM2 (1.5)	DPEP2 (1.4)
DPEP3 (1.4)	PLTP (1.4)
DPEP3 (1.4)	PLTP (1.4)
DPEP3 (1.4)	PLTP (1.4)
DPEP3 (1.3)	ZNF615 (1.3)
AGBL2 (2.0)	CCDC11 (2.0)
CCDC11 (2.3)	ATG13 (2.2)
FEN1 (1.9)	CASC4 (1.6)
OGFOD1 (1.7)	UBE2L3 (1.7)
NLRC5 (1.8)	SETD8 (1.7)
HNF1A (2.2)	ENSG00000247867 (2
HNF1A (2.2)	ENSG00000247867 (2
TOMM40 (1.6)	CATSPER2 (1.6)
PNMT (1.7)	ENSG00000226334 (1
TBL2 (1.9)	ENSG00000247867 (1
PSMB10 (2.1)	TGM7 (2.1)
KCTD19 (1.7)	ENSG00000247445 (1
BBS2 (1.9)	DDB2 (1.8)
SLC9A5 (1.9)	PNMT (1.6)
ENSG00000256746 (2	EPB42 (2.2)
OR4A1P (2.2)	MED1 (2.1)
LRRC29 (2.1)	GFOD2 (2.1)
FNBP4 (1.4)	PLTP (1.3)
ZNF615 (1.4)	KLHL8 (1.4)
ZNF664 (1.7)	ENSG00000181296 (1
MBD1 (1.8)	YDJC (1.8)
FRMD5 (2.0)	KLF14 (1.9)
CKAP5 (1.6)	CIAPIN1 (1.6)
CKAP5 (1.6)	CIAPIN1 (1.6)
ENSG00000247867 (2	DOK4 (2.0)
BACE1 (2.0)	PPP1R1B (2.0)
MPP2 (1.7)	TBKBP1 (1.7)
TTBK2 (1.9)	PCSK7 (1.9)
CD40 (1.9)	SIK3 (1.8)

DOK4 (2.1)	TAGLN (2.1)
PITPNM2 (2.1)	TRPS1 (2.1)
ATG13 (2.3)	MFAP1 (2.2)
FBXL20 (1.5)	RANBP10 (1.5)
AFF1 (2.1)	MTF2 (2.0)
ENSG00000226334 (2	GNAO1 (1.9)
PDIA3 (2.1)	TP53BP1 (1.9)
ENSG00000229043 (2	OR4A1P (2.0)
TECTB (1.7)	C1QTNF4 (1.7)
OR5I1 (1.9)	REEP3 (1.8)
OR4A1P (1.8)	OR5L2 (1.6)
PVRL2 (1.9)	ENSG00000181123 (1
CELSR2 (2.1)	NEUROD2 (2.0)
YDJC (2.2)	ZNF614 (2.0)
C11orf49 (1.9)	DPEP3 (1.9)
OR5J2 (2.2)	ELMO3 (2.1)
CATSPER2 (2.6)	SETD8 (2.5)
PPIP5K1 (2.3)	C12orf43 (2.0)
CXXC1 (2.2)	PDHB (2.1)
ENSG00000247445 (1	C17orf105 (1.8)
ENSG00000247445 (1	C17orf105 (1.8)
ESRP2 (1.8)	SIDT2 (1.6)
ESRP2 (1.8)	SIDT2 (1.6)
ESRP2 (1.8)	SIDT2 (1.6)
STRC (2.0)	PTPMT1 (2.0)
STRC (2.0)	PTPMT1 (2.0)
ANGPTL4 (2.0)	BAZ1B (1.9)
BMP8A (2.3)	C11orf49 (2.1)
DPEP2 (1.7)	PTPRZ1 (1.7)
FNBP4 (1.4)	DPEP3 (1.4)
E2F4 (1.8)	C11orf49 (1.8)
PLA2G6 (1.7)	ZNF615 (1.6)
RAPSN (1.9)	NOL3 (1.8)
DPEP2 (2.1)	TTBK2 (2.1)
ZNF664 (1.3)	DYM (1.3)
SLC9A5 (2.2)	FZD9 (2.0)
FNBP4 (1.4)	SETD8 (1.3)
SETD8 (1.7)	DUSP3 (1.7)
NCOA5 (2.0)	PLEKHG4 (1.8)
CKAP5 (2.3)	ENSG00000181123 (2
ZNF350 (2.0)	SCARB1 (1.9)
MYO1H (1.5)	SNX13 (1.4)
SLC9A5 (1.7)	ABHD6 (1.6)
ZNF614 (1.6)	KANK2 (1.6)
MON1A (1.9)	NCOA5 (1.8)
NR1H3 (2.1)	SMPD3 (2.0)
TGM5 (2.3)	NOL3 (2.3)
KCTD10 (2.1)	MST1R (2.0)
GNAO1 (2.1)	NEUROD2 (2.0)
HNF1A (2.0)	C11orf9 (1.9)

ABCB9 (2.3)	HERPUD1 (2.2)
COX19 (1.8)	TGM7 (1.6)
MFAP1 (2.7)	C7orf50 (2.6)
TMEM101 (1.9)	CASC4 (1.9)
DPEP2 (1.9)	KBTBD4 (1.9)
DUSP3 (2.0)	CCDC11 (1.7)
ENSG00000226334 (1	OR5I1 (1.5)
PTPMT1 (2.3)	OR5I1 (2.3)
C16orf86 (2.0)	C17orf105 (1.9)
EIF3J (1.8)	PRMT7 (1.6)
SLC7A6OS (1.6)	KBTBD4 (1.6)
PLA2G6 (1.7)	HCAR1 (1.7)
TP53BP1 (1.9)	SPG11 (1.9)
ENSG00000247867 (1	TGM5 (1.9)
RSPO3 (2.0)	BCAM (1.9)
CCDC11 (2.0)	AGBL2 (1.8)
OR4A1P (1.9)	ENSG00000181296 (1
ACD (2.1)	FEN1 (2.1)
PNMT (2.3)	CYP26A1 (2.1)
GNAO1 (2.0)	ERBB2 (1.9)
TUBGCP4 (2.0)	TCAP (1.9)
LRP4 (1.9)	SNORD58C (1.7)
ABCA8 (1.5)	SIDT2 (1.5)
C11orf49 (2.2)	ENSG00000247867 (2
KLF14 (1.9)	CYP26A1 (1.9)
CXXC1 (2.1)	NDUFS3 (2.1)
CATSPER2 (1.8)	PIGV (1.7)
CELSR2 (2.3)	NEUROD2 (2.0)
ENSG00000236267 (1	FRMD5 (1.2)
ENSG00000179523 (1	TECTB (1.7)
PPP1R1B (2.1)	RLTPR (2.1)
LCMT2 (1.9)	CCDC18 (1.7)
ERBB2 (1.6)	MPP3 (1.6)
CITED2 (1.8)	REEP3 (1.8)
SMPD3 (1.9)	ENSG00000255507 (1
CELF1 (2.4)	MADD (2.3)
MST1R (1.7)	LCAT (1.6)
ZNF408 (1.8)	YDJC (1.8)
C17orf57 (1.7)	SPI1 (1.7)
C11orf9 (2.1)	CELSR2 (2.0)
LRRC29 (1.7)	C16orf86 (1.6)
PLA2G6 (1.7)	C17orf105 (1.6)
C7orf50 (2.3)	DCPS (2.2)
MIEN1 (2.1)	INTS10 (2.0)
AGBL2 (1.8)	ENSG00000226334 (1
KIAA0754 (1.6)	CCDC11 (1.5)
PLA2G6 (1.7)	YDJC (1.6)
C11orf49 (2.0)	ZDHHC18 (2.0)
ARID1A (2.1)	NPEPPS (2.1)
TOMM40 (2.1)	CCNDBP1 (2.1)

BCAM (1.8)	LSM12 (1.7)
STRC (2.0)	DGKG (2.0)
OR5J2 (1.7)	SOST (1.7)
CMIP (2.4)	MAP1A (2.3)
C17orf57 (1.7)	COX19 (1.7)
TTBK2 (2.1)	KIAA0895L (1.9)
TRPS1 (2.0)	ABHD6 (1.9)
FNBP4 (1.7)	RSPRY1 (1.7)
PSKH1 (1.5)	FAM192A (1.5)
PLA2G6 (1.7)	KLHL8 (1.6)
RBM5 (1.6)	ZNF614 (1.6)
ABCA8 (2.3)	SLC12A3 (2.2)
MT1M (2.0)	GNAO1 (1.8)
SETD8 (1.6)	ENSG00000236267 (1
ZNF664 (1.3)	DPEP3 (1.3)
NAGS (1.6)	SPRYD5 (1.6)
HARBI1 (1.7)	OR5J2 (1.7)
OR5I1 (2.1)	C12orf65 (2.1)
MADD (2.3)	TRNP1 (2.2)
DPEP2 (2.0)	LCAT (1.9)
SLC7A6 (1.8)	FHOD1 (1.7)
BAZ1B (2.7)	DDB2 (2.7)
NUP93 (2.4)	EIF3J (2.3)
RSPO3 (1.9)	KCTD6 (1.9)
RSPO3 (1.9)	KCTD6 (1.9)
C12orf43 (2.0)	GNAO1 (1.8)
DPEP2 (2.0)	GPIHBP1 (1.8)
DPEP2 (2.0)	GPIHBP1 (1.8)
DPEP2 (2.0)	GPIHBP1 (1.8)
SETD8 (2.1)	DCPS (1.9)
AGBL2 (2.2)	PARD6A (2.2)
TMEM101 (2.4)	LRRC29 (2.1)
CBFB (1.8)	GPER (1.8)
CENPT (1.9)	ZNF614 (1.9)
CITED2 (1.8)	ENSG00000181123 (1
PPIP5K1 (1.9)	CSGALNACT1 (1.8)
PITPNM2 (1.6)	MPP2 (1.6)
YDJC (1.6)	GPER (1.5)
HNF1A (1.5)	OR5I1 (1.4)
C16orf48 (2.3)	KCTD19 (2.1)
OR5J2 (1.8)	LRP4 (1.8)
ABCA8 (2.1)	FZD9 (2.1)
TMEM175 (1.6)	ERBB2 (1.6)
RLTPR (2.3)	OR5L2 (2.2)
GNAO1 (2.0)	CD300LG (1.9)
B3GNT9 (1.5)	MYO5B (1.5)
BMP8A (2.0)	MT1F (1.8)
PTPMT1 (1.8)	PVRL2 (1.7)
CCDC116 (1.7)	ENSG00000181296 (1
AGBL2 (2.0)	STRC (2.0)

OR4A1P (2.3)	CCDC116 (2.2)
PGS1 (2.2)	BACE1 (2.2)
OR5J2 (1.9)	C11orf9 (1.7)
DOK4 (1.5)	ERBB2 (1.4)
DDB2 (2.4)	BAZ1B (2.3)
ABHD6 (1.9)	KLHL8 (1.9)
SOST (1.8)	ENSG00000226645 (1
C11orf49 (2.0)	PITPNM2 (2.0)
DNAH10 (1.7)	UBR1 (1.6)
MYO5B (1.9)	DPEP3 (1.8)
DUS2L (2.0)	CTDSPL2 (1.8)
BMP8A (1.6)	ZNF350 (1.6)
C7orf50 (2.7)	DDB2 (2.7)
CATSPER2 (1.9)	SPG11 (1.8)
C1orf172 (2.1)	CCDC11 (2.0)
ENSG00000181296 (1	SLC39A13 (1.7)
ADAL (2.2)	NUP93 (2.1)
TTC39B (1.6)	PTPRJ (1.6)
ZNF614 (1.7)	CASC4 (1.6)
EXOC3L1 (1.8)	C16orf86 (1.7)
TP53BP1 (1.8)	GFOD2 (1.8)
C11orf49 (2.1)	KLF14 (2.1)
KANK2 (1.8)	ENSG00000181123 (1
MTF2 (2.7)	C16orf48 (2.6)
TRNP1 (1.7)	MACF1 (1.7)
TBKBP1 (2.0)	CX3CL1 (2.0)
CMIP (2.2)	SLC7A6 (2.2)
BACE1 (2.0)	SNX10 (1.9)
SKA1 (2.2)	TTBK2 (2.2)
SLC39A13 (2.0)	C17orf105 (1.9)
DEPDC1 (2.1)	SLC39A13 (2.1)
DEPDC1 (2.1)	SLC39A13 (2.1)
DEPDC1 (2.2)	OR5L2 (2.2)
ZNF408 (2.3)	NUP160 (2.2)
PIGV (1.8)	OR4A1P (1.8)
DUSP3 (1.9)	NLRC5 (1.8)
PPP1R1B (1.5)	TRPS1 (1.3)
B3GNT9 (1.7)	CCDC18 (1.7)
ENSG00000247867 (2	C16orf70 (1.9)
GFOD2 (2.2)	TMEM175 (2.1)
B3GNT9 (1.8)	PNMT (1.7)
TGM7 (1.6)	FZD9 (1.5)
ZNF259 (1.7)	EDC4 (1.6)
BBS2 (1.9)	KIAA0895L (1.8)
ENSG00000181296 (2	C16orf86 (2.1)
FBXL20 (2.1)	NUDT21 (2.0)
ACD (3.0)	MTF2 (3.0)
PITPNM2 (1.9)	TRPS1 (1.8)
KLF14 (2.1)	C11orf49 (1.9)
INTS10 (1.8)	MIEN1 (1.8)

C11orf49 (2.4)	WDR76 (2.2)
CCDC11 (1.7)	TGM7 (1.6)
ENSG00000229043 (1	KCTD6 (1.5)
ADAL (1.8)	ENSG00000226334 (1
SBNO1 (1.8)	THAP11 (1.8)
PPY (1.9)	ENSG00000182109 (1
G6PC3 (1.8)	NOL3 (1.8)
MYO5B (2.3)	ENSG00000255507 (2
PDE3A (2.1)	CYP26A1 (2.0)
MIEN1 (1.9)	PGS1 (1.9)
DOK4 (1.5)	VEGFA (1.5)
GPIHBP1 (2.1)	SFN (2.1)
CELF1 (2.2)	CBFB (2.1)
ENSG00000181296 (1	NOL3 (1.7)
SMPD3 (1.7)	C1orf172 (1.6)
THAP11 (2.4)	KBTBD4 (2.3)
LRRC29 (2.5)	BAZ1B (2.5)
C16orf48 (1.8)	ADAL (1.8)
RSPO3 (1.8)	MT1X (1.8)
STRC (2.1)	NUDT21 (2.0)
TMEM175 (2.0)	C1QTNF4 (2.0)
MPP3 (1.8)	TRNP1 (1.8)
SPRYD5 (1.6)	CPNE2 (1.6)
RAPSN (1.8)	FZD9 (1.7)
PITPNM2 (2.2)	NEUROD2 (2.2)
KANK2 (2.5)	KIAA0754 (2.5)
ENSG00000256746 (1	JMJD1C (1.6)
KCTD6 (1.9)	ZNF664 (1.8)
TRPS1 (1.6)	ETV5 (1.5)
MPP3 (2.2)	HSF4 (2.2)
MFAP1 (2.9)	FEN1 (2.7)
AGBL2 (2.3)	SKA1 (2.2)
ENSG00000229043 (1	STRC (1.5)
ENSG00000181296 (2	CCDC116 (2.1)
ENSG00000181296 (2	CCDC116 (2.1)
PLA2G15 (1.9)	NEUROD2 (1.9)
ESRP2 (2.3)	CELSR2 (2.2)
CATSPER2 (1.8)	B3GNT9 (1.7)
CATSPER2 (1.8)	B3GNT9 (1.7)
ENSG00000181123 (2	GNAO1 (2.1)
MYO5B (2.0)	PPP1R1B (2.0)
RLTPR (2.4)	ABCB9 (2.2)
ZDHHC18 (1.9)	C17orf105 (1.9)
KANK2 (1.4)	ERBB2 (1.4)
C1QTNF4 (2.0)	PNMT (1.9)
SLC7A6OS (1.7)	MED1 (1.7)
NUP93 (2.2)	INTS10 (2.1)
MT1G (2.1)	CCDC116 (2.1)
ENSG00000247867 (2	ENSG00000181296 (2
ENSG00000247867 (2	ENSG00000181296 (2

CCDC116 (1.9)	TRNP1 (1.8)
PSKH1 (2.3)	LRRC29 (2.2)
KPNB1 (2.1)	NUDT21 (2.1)
TRPS1 (1.9)	KCTD6 (1.8)
PYY (1.9)	OR5I1 (1.8)
C17orf57 (2.1)	KIAA0895L (2.1)
SPG11 (1.7)	PCSK7 (1.6)
RAPSN (1.9)	MYO1H (1.8)
ATG13 (2.1)	TRNP1 (2.0)
FRMD5 (1.4)	ERBB2 (1.4)
RNF214 (1.9)	KIAA0895L (1.7)
ERBB2 (2.1)	PNMT (2.1)
CTDSPL2 (2.1)	C16orf48 (1.8)
MIEN1 (2.1)	C18orf32 (2.1)
TGM7 (1.8)	SMPD3 (1.8)
THAP11 (1.4)	CCDC18 (1.4)
MPP3 (2.2)	PPP1R1B (2.1)
LIPG (1.9)	C11orf49 (1.9)
NOL3 (1.3)	KIAA0754 (1.3)
CCDC92 (1.9)	ENSG00000229043 (1
ENSG00000181123 (1	SNX13 (1.9)
ACD (1.8)	CCDC92 (1.7)
NEUROD2 (1.9)	COBLL1 (1.9)
TRPS1 (1.6)	OR5J2 (1.6)
GNAO1 (2.1)	PDE3A (2.0)
KCTD19 (1.5)	DUSP3 (1.4)
MTCH2 (2.0)	ATG13 (2.0)
MTCH2 (2.0)	ATG13 (2.0)
COX19 (1.3)	NDUFS3 (1.2)
ENSG00000181123 (2	ENSG00000179523 (2
MYO5B (1.7)	TSNAXIP1 (1.5)
CSGALNACT1 (2.3)	PPP1R1B (2.2)
SPRYD5 (2.2)	SKA1 (2.2)
CPNE2 (1.6)	HARBI1 (1.5)
MACF1 (2.8)	GRB7 (2.5)
CCDC92 (1.8)	TGM7 (1.8)
KCTD19 (1.6)	GNAO1 (1.6)
GNAO1 (2.0)	PLEKHG4 (2.0)
OR4A21P (1.5)	C16orf86 (1.4)
ENSG00000236267 (1	KCTD19 (1.8)
C16orf86 (1.6)	RAPSN (1.6)
ACD (2.1)	THAP11 (2.1)
DGKG (1.9)	ZNF613 (1.9)
THAP11 (1.9)	ERBB2 (1.9)
THAP11 (1.9)	ERBB2 (1.9)
TUBGCP4 (2.4)	TP53BP1 (2.3)
GNAO1 (1.8)	C16orf70 (1.8)
CITED2 (2.0)	TBKBP1 (1.9)
CITED2 (2.0)	TBKBP1 (1.9)
STRC (1.8)	LILRB2 (1.7)

RSPRY1 (1.6)	C11orf49 (1.6)
PACSIN3 (1.8)	SFN (1.8)
ZNF408 (2.0)	KBTBD4 (2.0)
MADD (1.9)	RLTPR (1.7)
PRMT7 (2.7)	CCDC18 (2.6)
ACD (2.6)	NUP93 (2.4)
AGBL2 (2.7)	SKA1 (2.6)
AFF1 (1.6)	CTDSPL2 (1.6)
NOL3 (1.8)	OR5J2 (1.5)
CD300LG (1.7)	TECTB (1.4)
KANK2 (1.9)	GALNT2 (1.9)
ZNF335 (1.9)	NRBF2 (1.9)
GALNT2 (1.8)	IGF2R (1.7)
GPER (1.6)	PDE3A (1.6)
CYP26A1 (1.9)	FRMD5 (1.8)
BMP8A (1.8)	NOL3 (1.8)
ESRP2 (1.6)	TMEM62 (1.6)
DYM (1.8)	CATSPER2 (1.8)
FZD9 (1.5)	PDE3A (1.4)
HNF4A (1.6)	PPY (1.6)
MYO1H (2.0)	MON1A (2.0)
TP53BP1 (1.9)	C11orf49 (1.9)
ERBB2 (1.1)	NOL3 (1.0)
MACF1 (2.1)	MAP1A (2.0)
C11orf49 (2.1)	BCL7B (1.9)
MYO1H (2.0)	KANK2 (2.0)
DR1 (1.8)	RNF214 (1.8)
EXOC3L1 (2.0)	MPP2 (1.9)
MPP2 (2.5)	KIAA0895L (2.4)
COX19 (1.8)	ENSG00000223745 (1
NUDT21 (2.3)	MFAP1 (2.3)
PGAP3 (2.2)	ERBB2 (2.1)
STRC (1.8)	SETD8 (1.8)
FZD9 (1.7)	THAP11 (1.7)
SLC12A3 (1.8)	DNAH10 (1.8)
CES4A (2.1)	TAGLN (2.0)
MYO1H (1.7)	RNF214 (1.6)
TSNAXIP1 (2.0)	ENSG00000179523 (2
NUP160 (2.1)	NFATC3 (2.0)
NOL3 (2.1)	ZNF613 (2.1)
EPB42 (1.8)	C18orf32 (1.8)
AGBL2 (2.0)	OR5I1 (1.8)
C7orf50 (2.3)	MFAP1 (2.3)
OR4A1P (1.7)	ENSG00000255507 (1
GALNT2 (1.8)	MACF1 (1.8)
TP53BP1 (2.2)	JMJD1C (2.1)
C1orf172 (2.3)	ENSG00000179523 (2
ACAA2 (2.2)	ENSG00000255507 (2
PPY (1.9)	MT1F (1.8)
CELSR2 (2.1)	PLEKHG4 (2.1)

EDC4 (2.1)	RBM6 (1.9)
RSPO3 (1.8)	ENSG00000226645 (1
PARD6A (1.8)	KIAA0754 (1.8)
C16orf86 (1.8)	BMP8A (1.8)
TMEM62 (1.8)	CYP2W1 (1.8)
PGAP3 (2.0)	BMP8A (2.0)
UBE3B (1.8)	ZNF664 (1.8)
CYP26A1 (1.9)	HSF4 (1.9)
ADAL (1.9)	CCDC116 (1.9)
NUP160 (2.2)	UVRAG (2.0)
NUP160 (2.2)	UVRAG (2.0)
TMEM101 (2.1)	C17orf105 (2.0)
ENSG00000256746 (1	ENSG00000226334 (1
ENSG00000223745 (1	POLR2C (1.8)
GALNT2 (1.8)	TGM7 (1.7)
TRADD (2.1)	UVRAG (2.0)
DGKG (1.5)	NOL3 (1.5)
SLC12A4 (2.1)	SEC14L4 (2.0)
C17orf105 (1.9)	CCDC11 (1.7)
C11orf9 (2.6)	BACE1 (2.5)
SLC7A6OS (1.6)	PTPRZ1 (1.6)
ZNF614 (1.4)	DPEP2 (1.4)
BAZ1B (1.9)	SLC12A4 (1.8)
PNMT (2.2)	ERBB2 (2.0)
FZD9 (1.8)	MPP2 (1.8)
ENSG00000181123 (1	DGKG (1.8)
NUP93 (2.0)	MED1 (1.8)
ESRP2 (2.1)	ADAL (2.0)
PCSK7 (1.9)	ENSG00000255507 (1
MADD (1.7)	MYO5B (1.6)
ZNF664 (2.1)	ENSG00000182109 (2
ENSG00000181296 (2	OR5I1 (2.0)
ENSG00000181296 (2	OR5I1 (2.0)
ENSG00000181296 (2	OR5I1 (2.0)
CENPT (1.6)	ZNF664 (1.6)
RBM6 (1.7)	CYP2W1 (1.6)
KIAA0895L (2.1)	OR4A1P (1.9)
C1QTNF4 (1.9)	ZDHHC18 (1.9)
COX19 (2.1)	CENPT (2.1)
TGM5 (1.8)	CCDC116 (1.7)
HSF4 (1.8)	SCARB1 (1.8)
CCDC92 (2.0)	MYO1H (2.0)
BCL7B (2.1)	B3GNT9 (2.0)
PITPNM2 (2.5)	DGKG (2.5)
PITPNM2 (2.5)	DGKG (2.5)
NUP160 (2.4)	ACD (2.3)
ZNF350 (1.6)	ENSG00000226334 (1
DOK4 (2.2)	DCPS (2.0)
AFF1 (1.9)	LCMT2 (1.8)
PPP1R1B (1.8)	TRNP1 (1.8)

YDJC (2.4)	TMEM101 (2.4)
ACD (2.6)	BUD13 (2.5)
ENSG00000181123 (1	GFOD2 (1.6)
SLC7A6 (1.7)	THAP11 (1.7)
CTDSPL2 (2.5)	DDB2 (2.4)
ZNF664 (2.2)	TBKBP1 (2.1)
KCTD6 (1.6)	ENSG00000226334 (1
C1QTNF4 (2.4)	CCDC116 (2.1)
C1QTNF4 (2.4)	CCDC116 (2.1)
CKAP5 (2.3)	MT1G (1.8)
ENSG00000255507 (2	ETV5 (2.2)
GPER (1.7)	NOL3 (1.6)
PDE3A (1.8)	CATSPER2 (1.7)
ZNF614 (2.1)	GPER (2.1)
MT1M (1.7)	ZNF350 (1.7)
HSF4 (1.6)	PLTP (1.5)
BAZ1B (2.5)	LCMT2 (2.5)
DNAH10 (1.7)	ENSG00000179523 (1
NUP93 (2.5)	TNKS (2.3)
UBR1 (3.1)	CKAP5 (3.1)
ERBB2 (2.0)	PNMT (2.0)
STRC (2.0)	PYY (2.0)
TBKBP1 (1.6)	PDE3A (1.6)
KCTD19 (1.9)	TSNAXIP1 (1.9)
ENSG00000181296 (1	ZNF613 (1.9)
ENSG00000181296 (1	ZNF613 (1.9)
MADD (1.9)	SCARB1 (1.7)
TGM7 (2.0)	RNF214 (1.6)
PPY (2.0)	TBKBP1 (1.9)
CCDC18 (2.4)	CTDSPL2 (2.2)
ENSG00000182109 (1	TTBK2 (1.8)
DOK4 (2.3)	KANK2 (2.2)
CCDC116 (2.0)	PITPNM2 (2.0)
MTF2 (1.8)	C17orf105 (1.8)
PVRL2 (1.7)	C1orf172 (1.6)
MACF1 (2.3)	STRC (2.0)
BACE1 (2.3)	PPP1R1B (2.2)
CELSR2 (2.2)	CCDC92 (2.2)
C18orf32 (2.0)	UVRAG (1.9)
KCTD19 (1.7)	KLF14 (1.6)
G6PC3 (1.5)	TRPS1 (1.5)
MAP1A (1.6)	TECTB (1.6)
OR4A21P (1.7)	PPP1R1B (1.7)
KCTD19 (1.4)	CES4A (1.4)
KCTD19 (1.4)	CES4A (1.4)
KCTD19 (1.4)	CES4A (1.4)
CYP2W1 (1.9)	GRB7 (1.7)
CCDC116 (2.0)	KCTD19 (2.0)
PTPRZ1 (1.8)	PYY (1.8)
TRNP1 (1.5)	LRP4 (1.5)

ENSG00000223745 (2	MTF2 (1.9)
MPP2 (1.9)	TECTB (1.8)
MPP2 (1.9)	TECTB (1.8)
MPP2 (1.9)	TECTB (1.8)
PLA2G6 (2.0)	ZNF613 (2.0)
PPP1R1B (1.5)	KCTD19 (1.5)
TTC39B (2.0)	NPEPPS (1.9)
C11orf49 (2.5)	TRNP1 (2.3)
PTPRZ1 (1.8)	FRMD5 (1.7)
REEP3 (1.7)	KCTD6 (1.6)
ENSG00000256746 (2	ARHGAP1 (2.1)
DEPDC1 (1.7)	DPEP3 (1.6)
ENSG00000226334 (1	ENSG00000181296 (1
GPIHBP1 (2.0)	OR4A1P (2.0)
CCDC11 (2.0)	PIGV (1.9)
RLTPR (2.2)	NEUROD2 (2.1)
BAZ1B (1.6)	CYP2W1 (1.5)
TTBK2 (2.1)	DGKG (2.0)
DPEP2 (1.9)	ENSG00000181296 (1
DPEP2 (1.9)	ENSG00000181296 (1
CX3CL1 (1.8)	PLEKHG4 (1.7)
C16orf86 (1.7)	MAP1A (1.7)
C16orf86 (1.7)	MAP1A (1.7)
ACD (2.0)	CTDSPL2 (1.9)
GPIHBP1 (1.7)	FHOD1 (1.7)
PTPRZ1 (1.7)	BCAM (1.6)
CCDC92 (1.9)	CBFB (1.9)
ENSG00000256746 (2	MT1F (2.0)
HSF4 (1.9)	STRC (1.9)
PPIP5K1 (2.6)	ENSG00000255507 (2
PPIP5K1 (2.6)	ENSG00000255507 (2
FZD9 (1.9)	TAGLN (1.8)
C1QTNF4 (2.4)	TRNP1 (2.4)
TRPS1 (1.7)	ENSG00000179523 (1
ENSG00000223745 (2	CCDC116 (2.0)
CETP (1.3)	MPHOSPH9 (1.3)
TGM7 (2.2)	C16orf86 (2.2)
PCSK7 (1.8)	RAPSN (1.7)
SLC9A5 (1.9)	ENSG00000181296 (1
NEUROD2 (1.9)	YDJC (1.9)
WDR76 (2.2)	CENPT (2.1)
PPIP5K1 (2.3)	OR5L2 (2.1)
B3GNT9 (1.8)	PLA2G6 (1.8)
CENPT (2.3)	TTBK2 (2.1)
CENPT (2.3)	TTBK2 (2.1)
CENPT (2.3)	TTBK2 (2.1)
CCNDBP1 (2.4)	LCMT2 (2.3)
HNF1A (1.8)	GPIHBP1 (1.8)
FRMD5 (1.6)	B3GNT9 (1.6)
LRRC29 (1.7)	ENSG00000254235 (1

KCTD6 (1.8)	ZNF614 (1.8)
TRPS1 (1.9)	PYY (1.8)
OR4A21P (1.7)	RLTPR (1.6)
CYP2W1 (1.9)	ENSG00000181123 (1
PITPNM2 (1.7)	ENSG00000226334 (1
CELSR2 (1.8)	DNAH10 (1.8)
PRMT7 (2.2)	FAM192A (2.1)
LIPG (1.9)	CYP2W1 (1.8)
C17orf105 (1.6)	NRBF2 (1.5)
DGKG (2.1)	MAP1A (2.1)
MPP3 (1.9)	ABCA8 (1.8)
SMPD3 (2.1)	C16orf86 (2.0)
MPP2 (1.9)	SNX10 (1.9)
MT1G (1.7)	MST1R (1.6)
LRP4 (1.7)	ENSG00000181123 (1
STRC (2.0)	FZD9 (1.9)
FRMD5 (1.7)	PLEKHG4 (1.7)
C7orf50 (2.1)	TTBK2 (2.1)
NUDT21 (2.3)	CTDSPL2 (2.3)
NUTF2 (1.6)	ENSG00000236267 (1
RSPRY1 (2.4)	SIDT2 (2.3)
ABCB9 (1.9)	DYM (1.8)
TTBK2 (2.0)	ENSG00000229043 (1
HNF4A (1.7)	HNF1A (1.7)
ZNF350 (1.9)	C17orf105 (1.9)
DUSP3 (2.2)	PNMT (2.1)
TTBK2 (2.3)	BACE1 (2.2)
PYY (1.9)	ZNF615 (1.8)
NUP93 (2.1)	CSGALNACT1 (1.8)
ZDHHC18 (1.9)	PLA2G6 (1.8)
C18orf32 (2.2)	CIAPIN1 (1.9)
ZNF614 (1.4)	PGS1 (1.4)
CATSPER2 (1.7)	CELSR2 (1.7)
PTPMT1 (1.8)	C17orf105 (1.8)
PTPMT1 (1.8)	C17orf105 (1.8)
FNBP4 (1.3)	C7orf50 (1.3)
GNAO1 (1.6)	TBKBP1 (1.6)
ENSG00000182109 (2	GPIHBP1 (1.9)
CENPT (2.2)	TTBK2 (2.1)
MT1G (1.6)	MT1E (1.6)
TGM7 (2.1)	MT1M (2.1)
C17orf57 (2.0)	DYM (2.0)
C16orf86 (2.6)	TCAP (2.5)
TMED5 (2.1)	ACAA2 (1.8)
KIAA0895L (1.7)	CASC4 (1.6)
C16orf86 (1.3)	COQ9 (1.2)
TMEM175 (2.0)	UVRAG (2.0)
EPB42 (1.9)	CCDC92 (1.8)
FRMD5 (1.7)	MFAP1 (1.7)
ENSG00000182109 (2	C1QTNF4 (2.1)

SLC9A5 (2.0)	ENSG00000181296 (1
PPY (2.0)	CCL22 (1.8)
MPP2 (2.0)	STRC (1.9)
DYM (2.4)	NDUFS3 (2.0)
DYM (2.4)	NDUFS3 (2.0)
DYM (2.4)	NDUFS3 (2.0)
GNAO1 (2.4)	PARD6A (2.2)
DCPS (2.1)	TP53BP1 (2.1)
C18orf32 (1.8)	SBNO1 (1.7)
MYO5B (1.6)	LRRC29 (1.6)
MPP3 (2.4)	ENSG00000182109 (1
HSF4 (1.6)	MT1M (1.6)
PITPNM2 (2.0)	ENSG00000226645 (1
TRNP1 (2.3)	CX3CL1 (2.2)
CES4A (1.9)	C11orf49 (1.9)
MON1A (1.9)	C1QTNF4 (1.9)
C18orf32 (2.6)	ENSG00000255507 (2
DGKG (2.4)	NUP93 (2.4)
PITPNM2 (2.2)	CELSR2 (2.0)
TMEM208 (1.9)	C7orf50 (1.8)
TMEM101 (2.0)	MACF1 (1.7)
KPNB1 (2.8)	NUP160 (2.7)
TRNP1 (2.4)	TTBK2 (2.3)
CCDC116 (1.6)	B3GNT9 (1.6)
DR1 (1.5)	MTMR3 (1.5)
DPEP2 (1.7)	C16orf48 (1.7)
LRP4 (1.6)	REEP3 (1.6)
NAGS (1.9)	CDK12 (1.8)
DGKG (1.8)	MPP3 (1.8)
GPIHBP1 (1.9)	C1QTNF4 (1.9)
NOL3 (2.3)	KCTD19 (2.2)
ZNF408 (2.2)	DNAH10 (2.1)
TTBK2 (1.9)	CELSR2 (1.9)
HNF4A (1.6)	KCTD19 (1.4)
TCAP (2.4)	C1QTNF4 (2.4)
PPP1R1B (1.8)	RLTPR (1.7)
YDJC (2.0)	TP53BP1 (1.9)
FZD9 (1.7)	ZSCAN29 (1.6)
ENSG00000226334 (1	MYO5B (1.7)
ENSG00000247867 (1	MIEN1 (1.8)
C17orf57 (1.7)	OR5I1 (1.7)
OASL (2.1)	TRNP1 (2.1)
OR5I1 (2.2)	ENSG00000181296 (2
KCTD6 (1.7)	C16orf48 (1.5)
NUP160 (2.8)	BAZ1B (2.8)
FBXL20 (1.5)	IGF2R (1.5)
FBXL20 (1.5)	IGF2R (1.5)
MAP1A (1.8)	AGBL2 (1.7)
KIAA0895L (1.8)	AGBL2 (1.6)
ENSG00000182109 (1	OR5J2 (1.8)

ENSG00000226645 (2	CCDC116 (2.0)
C1orf172 (2.1)	ENSG00000181123 (2
TRNP1 (2.3)	TBKBP1 (2.1)
TBL2 (1.6)	FBXL20 (1.6)
DGKG (2.1)	MPP3 (2.1)
DGKG (2.1)	MPP3 (2.1)
ZNF615 (2.1)	PYY (1.8)
ENSG00000226334 (1	ENSG00000256746 (1
BACE1 (2.0)	HSF4 (2.0)
DNAH10 (1.8)	FBXL20 (1.6)
DNAH10 (1.8)	FBXL20 (1.6)
TRPS1 (1.6)	SLC7A6 (1.6)
MST1R (1.5)	MT1G (1.4)
B3GNT9 (1.7)	PPY (1.5)
DOK4 (2.0)	ZNF408 (2.0)
DOK4 (2.0)	ZNF408 (2.0)
CES4A (1.7)	SPI1 (1.5)
CELF1 (1.9)	IGF2R (1.9)
ENSG00000223745 (1	ABCB9 (1.8)
DOK4 (1.3)	KANK2 (1.3)
SLC9A5 (1.7)	MT1F (1.6)
MBD1 (1.7)	SMPD3 (1.7)
SFN (2.3)	KIAA0754 (2.1)
AFF1 (2.2)	TMEM175 (2.1)
COQ9 (1.1)	DGKG (1.1)
CELSR2 (2.0)	GPIHBP1 (1.9)
GPIHBP1 (1.9)	CELSR2 (1.9)
GPIHBP1 (1.9)	CELSR2 (1.9)
MIEN1 (1.7)	POLR2C (1.7)
YDJC (2.0)	OR4A1P (1.8)
YDJC (2.0)	OR4A1P (1.8)
PDIA3 (2.2)	ZNF408 (2.1)
MIEN1 (1.7)	TRNP1 (1.5)
WDR76 (2.1)	KIAA0754 (2.1)
TMED5 (2.0)	C12orf65 (1.9)
MAP1A (1.6)	CYP2W1 (1.6)
MAP1A (1.6)	CYP2W1 (1.6)
C17orf105 (1.7)	SEC14L4 (1.7)
PLEKHG4 (2.0)	SMPD3 (1.9)
PLEKHG4 (2.0)	SMPD3 (1.9)
OR5I1 (1.6)	DOK4 (1.5)
OR4A21P (1.8)	TCAP (1.7)
HSF4 (1.8)	TGM5 (1.8)
HSF4 (1.8)	TGM5 (1.8)
MT1H (2.2)	MT1X (2.1)
ENSG00000247867 (1	TOMM40 (1.7)
HSF4 (2.3)	PARD6A (2.3)
CCDC116 (1.7)	ENSG00000247445 (1
TTBK2 (1.9)	RLTPR (1.8)
AGBL2 (2.0)	STRC (1.9)

AGBL2 (2.0)	STRC (1.9)
SOST (1.7)	FZD9 (1.6)
ERBB2 (1.4)	MST1R (1.4)
MACF1 (1.8)	SMPD3 (1.7)
MAP1A (1.6)	C11orf9 (1.5)
ADAL (2.4)	BCL7B (2.3)
NRBF2 (1.6)	PPP1R1B (1.6)
MYO1H (1.6)	TSNAXIP1 (1.6)
DUS2L (1.5)	CES4A (1.5)
ENSG00000255507 (1	GFOD2 (1.5)
C1orf172 (1.8)	ENSG00000256746 (1
GFOD2 (1.8)	DUSP3 (1.7)
B3GNT9 (1.3)	HCAR1 (1.2)
CTRL (2.0)	GNAO1 (1.9)
BACE1 (2.1)	NR0B2 (2.0)
ENSG00000181123 (1	CES4A (1.8)
C17orf105 (1.7)	EXOC3L1 (1.6)
PRMT7 (1.6)	OGFOD1 (1.6)
SIDT2 (1.9)	SLC9A5 (1.9)
OR5I1 (1.7)	PTPRZ1 (1.7)
PTPRZ1 (1.9)	TSNAXIP1 (1.7)
KCTD6 (2.0)	SLC39A13 (1.8)
TTBK2 (1.7)	MT1M (1.6)
FZD9 (2.0)	ENSG00000226334 (2
SLC39A13 (2.1)	C11orf49 (2.0)
HSF4 (2.1)	CELSR2 (1.9)
ADAL (1.8)	TMEM175 (1.8)
KCTD6 (1.5)	OR5I1 (1.5)
NOL3 (2.0)	B3GNT9 (2.0)
G6PC3 (1.4)	C16orf70 (1.4)
ENSG00000247445 (1	PLEKHG4 (1.6)
SLC9A5 (1.7)	NEUROD2 (1.6)
C18orf32 (2.4)	PPIP5K1 (2.4)
DOK4 (1.8)	C1orf172 (1.7)
COBLL1 (1.8)	LRRC29 (1.8)
ARHGAP1 (1.9)	MPP3 (1.8)
SLC12A3 (1.6)	IGF2R (1.6)
LIPC (1.9)	SLC12A3 (1.8)
CYP26A1 (1.7)	PSKH1 (1.7)
OR5I1 (1.8)	PVRL2 (1.8)
CYP2W1 (2.2)	CELSR2 (2.1)
SMPD3 (1.8)	ABCA8 (1.7)
CYP2W1 (1.6)	TRNP1 (1.6)
TMEM175 (2.0)	PPP1R1B (2.0)
TUBGCP4 (1.8)	DDB2 (1.8)
CX3CL1 (1.7)	PLA2G6 (1.7)
CTRL (2.2)	OR5J2 (2.1)
PNMT (1.6)	C17orf105 (1.6)
CCDC18 (2.7)	C16orf48 (2.5)
CCDC116 (1.8)	ELMO3 (1.7)

SLC12A3 (1.8)	OR5I1 (1.8)
OR4A1P (1.9)	ENSG00000226334 (1
PPY (1.4)	OR5I1 (1.4)
BAZ1B (2.8)	PARD6A (2.6)
MST1R (1.5)	C1QTNF4 (1.5)
CCDC11 (1.6)	KCTD6 (1.6)
PCSK7 (2.1)	NLRC5 (2.0)
SLC9A5 (1.7)	GNAO1 (1.7)
OR4A1P (1.6)	DGKG (1.6)
MST1R (1.9)	CMIP (1.9)
DYM (1.7)	ACD (1.7)
HSF4 (2.6)	PARD6A (2.6)
NRBF2 (2.0)	PITPNM2 (2.0)
CELSR2 (2.4)	RLTPR (2.3)
CELSR2 (2.4)	RLTPR (2.3)
EIF3J (2.3)	TP53BP1 (2.1)
MPP3 (1.6)	CYP2W1 (1.6)
HSF4 (2.3)	MAP1A (2.2)
ZNF615 (1.5)	PLTP (1.4)
GFOD2 (1.9)	PARD6A (1.8)
PITPNM2 (2.0)	PNMT (1.9)
PLA2G6 (1.8)	BMP8A (1.6)
KPNB1 (2.3)	INTS10 (2.3)
MST1R (1.6)	SEC14L4 (1.6)
ENSG00000236267 (1	ENSG00000226645 (1
LRP4 (1.9)	OR4A1P (1.8)
NUDT21 (1.8)	CCNDBP1 (1.7)
PSKH1 (1.5)	HNF1A (1.5)
MPP2 (1.9)	ZNF335 (1.9)
GPER (1.6)	OR5L2 (1.6)
TTC39B (1.8)	CX3CL1 (1.8)
TTC39B (1.8)	CX3CL1 (1.8)
ADAL (1.4)	G6PC3 (1.3)
OR5I1 (1.7)	SMPD3 (1.7)
AGBL2 (1.4)	G6PC3 (1.4)
ENSG00000256746 (2	C1QTNF4 (2.1)
NUP160 (2.0)	HARBI1 (1.9)
C16orf86 (1.5)	GFOD2 (1.5)
GPIHBP1 (2.0)	ENSG00000181123 (2
SFN (1.7)	SOST (1.7)
AMBRA1 (1.6)	C11orf49 (1.5)
MPP3 (2.5)	MST1R (2.3)
TSNAXIP1 (1.9)	CES4A (1.8)
DGKG (1.9)	MAP1A (1.9)
STRC (1.8)	COBLL1 (1.8)
DUS2L (1.9)	ABCB9 (1.9)
GNAO1 (2.0)	CATSPER2 (1.9)
PTPRZ1 (1.6)	ZNF615 (1.5)
SETD8 (1.7)	YDJC (1.7)
CATSPER2 (2.0)	ZNF408 (2.0)

FEN1 (2.8)	C7orf50 (2.6)
PDHB (2.1)	ADAL (2.1)
ENSG00000229043 (1	C16orf70 (1.9)
CCDC11 (1.8)	LRRC29 (1.7)
PLEKHG4 (1.8)	LRRC29 (1.5)
ENSG00000226645 (1	ZNF615 (1.8)
PDHB (1.9)	NDUFS3 (1.9)
PTPRZ1 (1.8)	CELSR2 (1.7)
NRBF2 (2.0)	GNAO1 (2.0)
OR5J2 (1.6)	RNF214 (1.4)
TUBGCP4 (1.9)	PLEKHG4 (1.7)
TUBGCP4 (1.9)	PLEKHG4 (1.7)
SLC9A5 (2.0)	NOL3 (1.9)
ZNF664 (1.6)	RNF214 (1.5)
DGKG (1.9)	PPP1R1B (1.7)
FZD9 (2.1)	BCAM (1.9)
DGKG (2.2)	PPP1R1B (2.0)
ENSG00000236267 (1	OR4A21P (1.5)
ENSG00000229043 (1	FZD9 (1.6)
GPER (2.1)	MPP3 (2.0)
ENSG00000181123 (1	KLHL8 (1.6)
ENSG00000181123 (1	SPRYD5 (1.7)
ENSG00000226645 (2	ERBB2 (2.1)
SPRYD5 (1.8)	TGM5 (1.7)
RNF214 (1.6)	SKA1 (1.5)
PTPRZ1 (1.6)	LCAT (1.5)
DNAH10 (1.6)	C16orf86 (1.4)
ENSG00000229043 (1	KCTD6 (1.4)
LIPG (1.9)	C1orf172 (1.8)
C17orf57 (1.7)	ABCB9 (1.6)
RLTPR (2.0)	MPP2 (2.0)
C1QTNF4 (2.1)	KCTD19 (2.0)
MYO5B (1.6)	OR5I1 (1.5)
GPER (1.9)	OR4A1P (1.8)
GPER (1.9)	OR4A1P (1.8)
GPER (1.9)	OR4A1P (1.8)
PDE3A (1.4)	B3GNT9 (1.4)
KIAA0895L (2.1)	MPP3 (2.1)
C11orf49 (2.1)	MIEN1 (2.1)
TRNP1 (2.0)	ABCB9 (1.9)
PAFAH1B2 (1.7)	ZNF259 (1.7)
NEUROD2 (1.8)	FZD9 (1.7)
CPNE2 (1.7)	TMEM62 (1.5)
SOST (1.6)	AFF1 (1.6)
RNF214 (1.6)	TGM7 (1.5)
RNF214 (1.6)	TGM7 (1.5)
C16orf86 (1.6)	ENSG00000247867 (1
CCDC116 (1.6)	ZNF613 (1.6)
CATSPER2 (1.9)	TGM5 (1.9)
OR4A1P (2.0)	LSM12 (1.9)

CCDC11 (1.9)	MYO1H (1.7)
ABCA8 (1.5)	KCTD6 (1.5)
MYO5B (1.5)	SPRYD5 (1.5)
SLC9A5 (2.5)	EXOC3L1 (2.2)
CYP2W1 (1.5)	TGM7 (1.4)
OR5I1 (1.8)	TGM7 (1.8)
CCNDBP1 (2.0)	ENSG00000255507 (2
HSF4 (1.9)	SMPD3 (1.8)
SLC12A3 (2.0)	SMPD3 (1.9)
TMEM62 (1.8)	LRP4 (1.8)
TGM7 (1.6)	TGM5 (1.5)
PYY (1.8)	ABCB9 (1.8)
PYY (1.8)	ABCB9 (1.8)
BACE1 (1.3)	PAFAH1B2 (1.3)
PITPNM2 (2.2)	PNMT (2.2)
GNAO1 (1.5)	C17orf57 (1.5)
SLC9A5 (1.8)	TRNP1 (1.8)
GFOD2 (1.8)	ENSG00000226645 (1
NEUROD2 (1.9)	PLEKHG4 (1.7)
PYY (1.8)	HSF4 (1.8)
C1QTNF4 (2.0)	TMEM62 (1.8)
SMPD3 (1.7)	NRBF2 (1.7)
RNF214 (1.7)	DNAH10 (1.6)
RNF214 (1.7)	DNAH10 (1.6)
PAFAH1B2 (1.6)	ENSG00000256746 (1
SOST (1.5)	ENSG00000181296 (1
GNAO1 (2.0)	C1QTNF4 (2.0)
NUDT21 (1.7)	FNBP4 (1.6)
PLEKHG4 (1.8)	CCDC11 (1.6)
BACE1 (1.8)	SLC9A5 (1.7)
PLEKHG4 (1.6)	MIEN1 (1.5)
STRC (2.3)	RLTPR (2.1)
OR4A21P (1.5)	DNAH10 (1.4)
ARHGAP1 (1.9)	ELMO3 (1.7)
ARHGAP1 (1.9)	ELMO3 (1.7)
CES4A (1.8)	ZNF615 (1.5)
SLC9A5 (1.9)	PDE3A (1.8)
DPEP2 (1.5)	PTPMT1 (1.5)
PTPMT1 (1.5)	KIAA0895L (1.5)
CYP2W1 (1.6)	HSF4 (1.5)
PTPMT1 (1.6)	C17orf105 (1.5)
BMP8A (1.8)	LRRC29 (1.7)
SIDT2 (1.8)	KCTD19 (1.8)
PPP1R1B (2.2)	MAP1A (2.0)
MPP3 (1.9)	RAPSN (1.7)
PARD6A (1.6)	ENSG00000236267 (1
MADD (1.9)	PITPNM2 (1.8)
OR4A21P (1.8)	C12orf65 (1.7)
ABCB9 (1.7)	PGAP3 (1.7)
CELF1 (1.9)	GNAO1 (1.9)

NOL3 (1.9)	PLTP (1.9)
TP53BP1 (1.7)	BBS2 (1.7)
PITPNM2 (1.9)	C16orf86 (1.8)
ABCB9 (1.8)	GFOD2 (1.8)
MADD (2.0)	TRNP1 (2.0)
ZNF408 (2.3)	RLTPR (2.0)
PNMT (1.6)	NOL3 (1.6)
PNMT (1.6)	NOL3 (1.6)
RLTPR (2.3)	DGKG (2.3)
HSF4 (2.0)	ENSG00000181123 (1
HSF4 (2.0)	ENSG00000181123 (1
C16orf86 (1.7)	C17orf105 (1.6)
CYP26A1 (1.7)	TGM7 (1.7)
ZDHHC18 (1.7)	OR5J2 (1.7)
ENSG00000181123 (1	ZNF614 (1.8)
CCDC116 (1.3)	LRRC29 (1.3)
STRC (1.6)	TMEM62 (1.6)
XKR8 (1.5)	PLEKHG4 (1.4)
MYO5B (1.7)	RAPSN (1.6)
RAPSN (2.0)	BACE1 (1.8)
PLEKHG4 (1.5)	ENSG00000255507 (1
PLEKHG4 (1.5)	ENSG00000255507 (1
OGFOD1 (1.7)	ENSG00000255507 (1
TP53BP1 (1.8)	OR5I1 (1.8)
BCL7B (1.8)	TTBK2 (1.7)

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Supplementary Table 32: DEPICT gene set enrichment analysis results for the genome-wide sign

The gene set enrichment P values are derived by normalizing the sum of gene set membership z-
obtained from repeating the procedure 50 times based on 500 pre-computed null GWAS. The me

Original gene set ID	Original gene set description
ENSG00000197561	ELANE PPI subnetwork
MP:0000180	abnormal circulating cholesterol level
MP:0000208	decreased hematocrit
REACTOME_LIPOPROTEIN_METABOLISM	REACTOME_LIPOPROTEIN_METABOLISM
GO:0031099	regeneration
MP:0003982	increased cholesterol level
ENSG00000164344	KLKB1 PPI subnetwork
ENSG00000146674	IGFBP3 PPI subnetwork
REACTOME_LIPID_DIGESTION_MOBILIZATI(	REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_TRANSPC
MP:0000609	abnormal liver physiology
MP:0005179	decreased circulating cholesterol level
MP:0003229	abnormal vitelline vasculature morphology
GO:0014070	response to organic cyclic compound
GO:0034358	plasma lipoprotein particle
GO:0032994	protein-lipid complex
MP:0001914	hemorrhage
GO:0032934	sterol binding
MP:0002981	increased liver weight
MP:0005278	abnormal cholesterol homeostasis
GO:0030169	low-density lipoprotein particle binding
MP:0002118	abnormal lipid homeostasis
GO:0001701	in utero embryonic development
GO:0015485	cholesterol binding
MP:0001552	increased circulating triglyceride level
ENSG00000118137	APOA1 PPI subnetwork
ENSG00000215756	ENSG00000215756 PPI subnetwork
GO:0052689	carboxylic ester hydrolase activity
GO:0005319	lipid transporter activity
GO:0034364	high-density lipoprotein particle
ENSG00000126218	F10 PPI subnetwork
MP:0001860	liver inflammation
MP:0000182	increased circulating LDL cholesterol level
GO:0019842	vitamin binding
GO:0052547	regulation of peptidase activity
GO:0061135	endopeptidase regulator activity
MP:0005178	increased circulating cholesterol level
GO:0071814	protein-lipid complex binding
GO:0071813	lipoprotein particle binding
REACTOME_GAMMA:CARBOXYLATION_TRA	REACTOME_GAMMA:CARBOXYLATION_TRANSPORT_AND_AM
REACTOME_HDL:MEDIATED_LIPID_TRANSP	REACTOME_HDL:MEDIATED_LIPID_TRANSPORT
MP:0002875	decreased erythrocyte cell number
KEGG_COMPLEMENT_AND_COAGULATION	KEGG_COMPLEMENT_AND_COAGULATION_CASCADES
GO:0004867	serine-type endopeptidase inhibitor activity

GO:0004866	endopeptidase inhibitor activity
KEGG_PRION_DISEASES	KEGG_PRION_DISEASES
REACTOME_CHYLOMICRON:MEDIATED_LIP	REACTOME_CHYLOMICRON:MEDIATED_LIPID_TRANSPORT
MP:0000639	abnormal adrenal gland morphology
GO:0061134	peptidase regulator activity
GO:0030414	peptidase inhibitor activity
GO:0006869	lipid transport
MP:0001915	intracranial hemorrhage
MP:0002702	decreased circulating free fatty acid level
GO:0038024	cargo receptor activity
ENSG00000158874	APOA2 PPI subnetwork
MP:0001577	anemia
GO:0046930	pore complex
GO:0002020	protease binding
MP:0010025	decreased total body fat amount
GO:0043176	amine binding
ENSG00000117601	SERPINC1 PPI subnetwork
GO:0052548	regulation of endopeptidase activity
ENSG00000175899	A2M PPI subnetwork
REACTOME_REGULATION_OF_LIPID_META	REACTOME_REGULATION_OF_LIPID_METABOLISM_BY_PEROX
MP:0002640	reticulocytosis
GO:0005506	iron ion binding
GO:0055088	lipid homeostasis
ENSG00000141101	NOB1 PPI subnetwork
REACTOME_PTM_GAMMA_CARBOXYLATIO	REACTOME_PTM_GAMMA_CARBOXYLATION_HYPUSINE_FOR
REACTOME_PPARA_ACTIVATES_GENE_EXP	REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
MP:0010027	increased liver cholesterol level
MP:0005311	abnormal circulating amino acid level
GO:0046470	phosphatidylcholine metabolic process
ENSG00000180210	F2 PPI subnetwork
REACTOME_BILE_ACID_AND_BILE_SALT_M	REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM
REACTOME_FACILITATIVE_NA:INDEPENDEN	REACTOME_FACILITATIVE_NA:INDEPENDENT_GLUCOSE_TRAN
ENSG00000115718	PROC PPI subnetwork
GO:0031406	carboxylic acid binding
MP:0005339	increased susceptibility to atherosclerosis
MP:0002941	increased circulating alanine transaminase level
MP:0001764	abnormal homeostasis
GO:0048029	monosaccharide binding
MP:0011098	complete embryonic lethality during organogenesis
GO:0043178	alcohol binding
ENSG00000122861	PLAU PPI subnetwork
ENSG00000186832	KRT16 PPI subnetwork
MP:0006271	abnormal involution of the mammary gland
GO:0034362	low-density lipoprotein particle
GO:0015248	sterol transporter activity
MP:0004777	abnormal phospholipid level
ENSG00000115461	IGFBP5 PPI subnetwork
GO:0010876	lipid localization
GO:0005792	microsome
REACTOME_METABOLISM_OF_LIPIDS_AND	REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS

GO:0016705	oxidoreductase activity, acting on paired donors, with incorpo
MP:0003333	liver fibrosis
GO:0050997	quaternary ammonium group binding
GO:0042598	vesicular fraction
MP:0000186	decreased circulating HDL cholesterol level
ENSG00000132693	CRP PPI subnetwork
ENSG00000170486	KRT72 PPI subnetwork
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS
MP:0002644	decreased circulating triglyceride level
GO:0005625	soluble fraction
GO:0031100	organ regeneration
ENSG00000088926	F11 PPI subnetwork
GO:0017127	cholesterol transporter activity
GO:0008289	lipid binding
GO:0046906	tetrapyrrole binding
MP:0005319	abnormal enzyme/ coenzyme level
KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS
MP:0011108	partial embryonic lethality during organogenesis
ENSG00000122194	PLG PPI subnetwork
MP:0000598	abnormal liver morphology
ENSG00000132703	APCS PPI subnetwork
ENSG00000113889	KNG1 PPI subnetwork
GO:0020037	heme binding
MP:0002086	abnormal extraembryonic tissue morphology
ENSG00000142515	KLK3 PPI subnetwork
ENSG00000067048	DDX3Y PPI subnetwork
GO:0004857	enzyme inhibitor activity
MP:0001698	decreased embryo size
MP:0000603	pale liver
MP:0000292	distended pericardium
GO:0034385	triglyceride-rich lipoprotein particle
GO:0034361	very-low-density lipoprotein particle
ENSG00000100448	CTSG PPI subnetwork
MP:0005559	increased circulating glucose level
GO:0042632	cholesterol homeostasis
GO:0055092	sterol homeostasis
MP:0001935	decreased litter size
MP:0002628	hepatic steatosis
GO:0046527	glucosyltransferase activity
ENSG00000110245	APOC3 PPI subnetwork
ENSG00000215755	ENSG00000215755 PPI subnetwork
ENSG00000084674	APOB PPI subnetwork
ENSG00000030110	BAK1 PPI subnetwork
MP:0001712	abnormal placenta development
REACTOME_FORMATION_OF_FIBRIN_CLOT	REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCA
GO:0051240	positive regulation of multicellular organismal process
MP:0000599	enlarged liver
MP:0005416	abnormal circulating protein level
ENSG00000132361	KIAA0664 PPI subnetwork
MP:0001846	increased inflammatory response

MP:0001718	abnormal visceral yolk sac morphology
ENSG00000106804	C5 PPI subnetwork
GO:0004252	serine-type endopeptidase activity
GO:0043498	cell surface binding
GO:0005976	polysaccharide metabolic process
REACTOME_REGULATION_OF_INSULIN:LIKE	REACTOME_REGULATION_OF_INSULIN:LIKE_GROWTH_FACTC
ENSG00000198734	F5 PPI subnetwork
GO:0004623	phospholipase A2 activity
GO:0009991	response to extracellular stimulus
GO:0051635	bacterial cell surface binding
GO:0017171	serine hydrolase activity
MP:0002874	decreased hemoglobin content
GO:0016209	antioxidant activity
GO:0016769	transferase activity, transferring nitrogenous groups
MP:0000183	decreased circulating LDL cholesterol level
GO:0003706	ligand-regulated transcription factor activity
MP:0002551	abnormal blood coagulation
MP:0000784	forebrain hypoplasia
MP:0005048	thrombosis
GO:0008236	serine-type peptidase activity
ENSG00000185010	F8 PPI subnetwork
MP:0003984	embryonic growth retardation
ENSG00000167711	SERPINF2 PPI subnetwork
MP:0003179	decreased platelet cell number
REACTOME_METABOLISM_OF_AMINO_ACI	REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVAT
ENSG00000184588	PDE4B PPI subnetwork
ENSG00000101680	LAMA1 PPI subnetwork
KEGG_PPAR_SIGNALING_PATHWAY	KEGG_PPAR_SIGNALING_PATHWAY
MP:0009766	increased sensitivity to xenobiotic induced morbidity/mortalit
GO:0051241	negative regulation of multicellular organismal process
MP:0001289	persistence of hyaloid vascular system
MP:0008770	decreased survivor rate
GO:0043691	reverse cholesterol transport
ENSG00000164733	CTSB PPI subnetwork
ENSG00000166285	ENSG00000166285 PPI subnetwork
ENSG00000204359	CFB PPI subnetwork
ENSG00000057593	F7 PPI subnetwork
GO:0004175	endopeptidase activity
MP:0006042	increased apoptosis
GO:0008202	steroid metabolic process
GO:0005796	Golgi lumen
ENSG00000186350	RXRA PPI subnetwork
GO:0015918	sterol transport
ENSG00000105974	CAV1 PPI subnetwork
ENSG00000167768	KRT1 PPI subnetwork
GO:0034375	high-density lipoprotein particle remodeling
GO:0030301	cholesterol transport
ENSG00000131187	F12 PPI subnetwork
GO:0051183	vitamin transporter activity
MP:0005145	increased circulating VLDL cholesterol level

MP:0001622	abnormal vasculogenesis
MP:0005146	decreased circulating VLDL cholesterol level
ENSG00000115414	FN1 PPI subnetwork
GO:0031667	response to nutrient levels
GO:0005537	mannose binding
MP:0009289	decreased epididymal fat pad weight
REACTOME_HEXOSE_TRANSPORT	REACTOME_HEXOSE_TRANSPORT
ENSG00000198780	FAM169A PPI subnetwork
MP:0005668	decreased circulating leptin level
GO:0019216	regulation of lipid metabolic process
MP:0001711	abnormal placenta morphology
ENSG00000125730	C3 PPI subnetwork
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VI/
MP:0005659	decreased susceptibility to diet-induced obesity
ENSG00000171564	FGB PPI subnetwork
REACTOME_INTRINSIC_PATHWAY	REACTOME_INTRINSIC_PATHWAY
MP:0004773	abnormal bile composition
GO:0018214	protein carboxylation
GO:0017187	peptidyl-glutamic acid carboxylation
ENSG00000188488	SERPINA5 PPI subnetwork
GO:0005788	endoplasmic reticulum lumen
MP:0009356	decreased liver triglyceride level
ENSG00000197766	CFD PPI subnetwork
ENSG00000136110	LECT1 PPI subnetwork
ENSG00000104368	PLAT PPI subnetwork
MP:0002599	increased mean platelet volume
REACTOME_COMPLEMENT_CASCADE	REACTOME_COMPLEMENT_CASCADE
REACTOME_INTEGRIN_CELL_SURFACE_INTI	REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS
MP:0001721	absent visceral yolk sac blood islands
GO:0045834	positive regulation of lipid metabolic process
MP:0004952	increased spleen weight
GO:0033993	response to lipid
ENSG00000165630	PRPF18 PPI subnetwork
MP:0001547	abnormal lipid level
ENSG00000127022	CANX PPI subnetwork
GO:0030170	pyridoxal phosphate binding
GO:0070279	vitamin B6 binding
GO:0051170	nuclear import
ENSG00000170871	KIAA0232 PPI subnetwork
ENSG00000172594	SMPDL3A PPI subnetwork
MP:0004255	abnormal spongiotrophoblast layer morphology
REACTOME_GLUCOSE_TRANSPORT	REACTOME_GLUCOSE_TRANSPORT
ENSG00000167751	KLK2 PPI subnetwork
GO:0051346	negative regulation of hydrolase activity
GO:0071702	organic substance transport
GO:0006606	protein import into nucleus
GO:0042803	protein homodimerization activity
REACTOME_RECYCLING_OF_BILE_ACIDS_AI	REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS
MP:0005166	decreased susceptibility to injury
GO:0009749	response to glucose stimulus

MP:0001654	hepatic necrosis
GO:0004620	phospholipase activity
MP:0000691	enlarged spleen
MP:0009674	decreased birth weight
GO:0004497	monooxygenase activity
MP:0002078	abnormal glucose homeostasis
GO:0008374	O-acyltransferase activity
ENSG00000000971	CFH PPI subnetwork
ENSG00000058729	RIOK2 PPI subnetwork
MP:0005584	abnormal enzyme/coenzyme activity
GO:0042439	ethanolamine-containing compound metabolic process
GO:0016829	lyase activity
ENSG00000038002	AGA PPI subnetwork
GO:0005496	steroid binding
GO:0032368	regulation of lipid transport
GO:0005507	copper ion binding
ENSG00000168454	TXNDC2 PPI subnetwork
GO:0009743	response to carbohydrate stimulus
GO:0009746	response to hexose stimulus
MP:0000187	abnormal triglyceride level
GO:0031983	vesicle lumen
ENSG00000185479	KRT6B PPI subnetwork
MP:0002727	decreased circulating insulin level
ENSG00000138685	FGF2 PPI subnetwork
ENSG00000017427	IGF1 PPI subnetwork
ENSG00000213044	ENSG00000213044 PPI subnetwork
REACTOME_HEMOSTASIS	REACTOME_HEMOSTASIS
ENSG00000125998	FAM83C PPI subnetwork
MP:0005642	decreased mean corpuscular hemoglobin concentration
ENSG00000166598	HSP90B1 PPI subnetwork
MP:0011091	complete prenatal lethality
GO:0007584	response to nutrient
MP:0008808	decreased spleen iron level
MP:0005332	abnormal amino acid level
KEGG_TRYPTOPHAN_METABOLISM	KEGG_TRYPTOPHAN_METABOLISM
GO:0016125	sterol metabolic process
REACTOME_PLATELET_DEGRANULATION	REACTOME_PLATELET_DEGRANULATION
ENSG00000173406	DAB1 PPI subnetwork
ENSG00000039537	C6 PPI subnetwork
ENSG00000204983	PRSS1 PPI subnetwork
MP:0003983	decreased cholesterol level
MP:0004774	abnormal bile salt level
GO:0016840	carbon-nitrogen lyase activity
GO:0008610	lipid biosynthetic process
ENSG00000154134	ROBO3 PPI subnetwork
GO:0060205	cytoplasmic membrane-bounded vesicle lumen
GO:0008203	cholesterol metabolic process
GO:0042743	hydrogen peroxide metabolic process
ENSG00000168907	PLA2G4F PPI subnetwork
GO:0045334	clathrin-coated endocytic vesicle

KEGG_ARGININE_AND_PROLINE_METABOL	KEGG_ARGININE_AND_PROLINE_METABOLISM
ENSG00000171557	FGG PPI subnetwork
ENSG00000109272	PF4V1 PPI subnetwork
ENSG00000205813	ENSG00000205813 PPI subnetwork
ENSG00000204319	ENSG00000204319 PPI subnetwork
MP:0000465	gastrointestinal hemorrhage
MP:0001683	absent mesoderm
MP:0000607	abnormal hepatocyte morphology
GO:0016747	transferase activity, transferring acyl groups other than amino
ENSG00000170927	PKHD1 PPI subnetwork
GO:0034774	secretory granule lumen
MP:0009355	increased liver triglyceride level
REACTOME_METABOLISM_OF_CARBOHYDI	REACTOME_METABOLISM_OF_CARBOHYDRATES
ENSG00000133805	AMPD3 PPI subnetwork
ENSG00000175536	LIPT2 PPI subnetwork
ENSG00000179776	CDH5 PPI subnetwork
GO:0044106	cellular amine metabolic process
ENSG00000130164	LDLR PPI subnetwork
GO:0034284	response to monosaccharide stimulus
MP:0002723	abnormal immune serum protein physiology
ENSG00000150527	CTAGE5 PPI subnetwork
REACTOME_PHASE_1_:_FUNCTIONALIZATI	REACTOME_PHASE_1_:_FUNCTIONALIZATION_OF_COMPOUN
ENSG00000188994	ZNF292 PPI subnetwork
MP:0002743	glomerulonephritis
ENSG00000163347	CLDN1 PPI subnetwork
MP:0001634	internal hemorrhage
ENSG00000149131	SERPING1 PPI subnetwork
REACTOME_ABCA_TRANSPORTERS_IN_LIPI	REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS
KEGG_CYSTEINE_AND_METHIONINE_META	KEGG_CYSTEINE_AND_METHIONINE_METABOLISM
GO:0045178	basal part of cell
ENSG00000103742	IGDCC4 PPI subnetwork
ENSG00000162409	PRKAA2 PPI subnetwork
ENSG00000150337	FCGR1A PPI subnetwork
ENSG00000110169	HPX PPI subnetwork
ENSG00000019991	HGF PPI subnetwork
GO:0046890	regulation of lipid biosynthetic process
GO:0005543	phospholipid binding
ENSG00000173281	PPP1R3B PPI subnetwork
ENSG00000169896	ITGAM PPI subnetwork
MP:0006396	decreased long bone epiphyseal plate size
MP:0011109	partial lethality throughout fetal growth and development
ENSG00000075643	MOCOS PPI subnetwork
ENSG00000204348	DOM3Z PPI subnetwork
ENSG00000206266	ENSG00000206266 PPI subnetwork
ENSG00000206346	DOM3Z PPI subnetwork
GO:0044403	symbiosis, encompassing mutualism through parasitism
ENSG00000132464	ENAM PPI subnetwork
ENSG00000211949	ENSG00000211949 PPI subnetwork
REACTOME_FATTY_ACID_TRIACYLGLYCERO	REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_B
ENSG00000124006	OBSL1 PPI subnetwork

GO:0044264	cellular polysaccharide metabolic process
GO:0031093	platelet alpha granule lumen
GO:0051223	regulation of protein transport
ENSG00000182446	NPLOC4 PPI subnetwork
MP:0005289	increased oxygen consumption
REACTOME_CYTOCHROME_P450_:_ARRAN	REACTOME_CYTOCHROME_P450_:_ARRANGED_BY_SUBSTRA
ENSG00000215754	ENSG00000215754 PPI subnetwork
MP:0001200	thick skin
ENSG00000206340	C4A PPI subnetwork
REACTOME_RESPONSE_TO_ELEVATED_PLA	REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYTOSOLIC
ENSG00000055957	ITIH1 PPI subnetwork
KEGG_GLYCINE_SERINE_AND_THREONINE_	KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM
ENSG00000065154	OAT PPI subnetwork
MP:0008705	increased interleukin-6 secretion
ENSG00000154262	ABCA6 PPI subnetwork
ENSG00000116962	NID1 PPI subnetwork
KEGG_GLYCEROPHOSPHOLIPID_METABOLIS	KEGG_GLYCEROPHOSPHOLIPID_METABOLISM
ENSG00000130203	APOE PPI subnetwork
ENSG00000112936	C7 PPI subnetwork
ENSG00000171401	KRT13 PPI subnetwork
ENSG00000125810	CD93 PPI subnetwork
MP:0001716	abnormal placenta labyrinth morphology
ENSG00000117984	CTSD PPI subnetwork
ENSG00000148965	SAA4 PPI subnetwork
ENSG00000134376	CRB1 PPI subnetwork
KEGG_ADHERENS_JUNCTION	KEGG_ADHERENS_JUNCTION
GO:0006576	cellular biogenic amine metabolic process
GO:0042277	peptide binding
MP:0005027	increased susceptibility to parasitic infection
MP:0005292	improved glucose tolerance
MP:0011097	complete embryonic lethality before turning of embryo
REACTOME_METABOLISM_OF_POLYAMINE	REACTOME_METABOLISM_OF_POLYAMINES
ENSG00000010278	CD9 PPI subnetwork
MP:0011101	partial prenatal lethality
REACTOME_CREATION_OF_C4_AND_C2_A	REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS
GO:0033344	cholesterol efflux
MP:0001879	abnormal lymphatic vessel morphology
GO:0030246	carbohydrate binding
ENSG00000167244	IGF2 PPI subnetwork
REACTOME_GLUCOSE_METABOLISM	REACTOME_GLUCOSE_METABOLISM
MP:0003355	decreased ovulation rate
GO:0005044	scavenger receptor activity
MP:0005560	decreased circulating glucose level
GO:0070201	regulation of establishment of protein localization
REACTOME_COMMON_PATHWAY	REACTOME_COMMON_PATHWAY
GO:0019825	oxygen binding
MP:0001722	pale yolk sac
GO:0009792	embryo development ending in birth or egg hatching
MP:0011086	partial postnatal lethality
MP:0001651	necrosis

MP:0005439	decreased glycogen level
GO:0031091	platelet alpha granule
GO:0005539	glycosaminoglycan binding
GO:0097006	regulation of plasma lipoprotein particle levels
GO:0005501	retinoid binding
GO:0015718	monocarboxylic acid transport
GO:0009395	phospholipid catabolic process
ENSG00000116717	GADD45A PPI subnetwork
ENSG00000136108	CKAP2 PPI subnetwork
ENSG00000185950	IRS2 PPI subnetwork
ENSG00000197122	SRC PPI subnetwork
GO:0016638	oxidoreductase activity, acting on the CH-NH2 group of donors
GO:0072593	reactive oxygen species metabolic process
GO:0008206	bile acid metabolic process
MP:0004259	small placenta
ENSG00000086189	DIMT1 PPI subnetwork
MP:0005331	insulin resistance
GO:0033293	monocarboxylic acid binding
GO:0070328	triglyceride homeostasis
GO:0019902	phosphatase binding
GO:0008483	transaminase activity
MP:0003436	decreased susceptibility to induced arthritis
GO:0017038	protein import
GO:0030669	clathrin-coated endocytic vesicle membrane
MP:0001701	incomplete embryo turning
KEGG_RETINOL_METABOLISM	KEGG_RETINOL_METABOLISM
GO:0001892	embryonic placenta development
GO:0001871	pattern binding
GO:0030247	polysaccharide binding
ENSG00000120693	SMAD9 PPI subnetwork
MP:0001559	hyperglycemia
ENSG00000128708	HAT1 PPI subnetwork
GO:0019841	retinol binding
GO:0016709	oxidoreductase activity, acting on paired donors, with incorpo
GO:0019199	transmembrane receptor protein kinase activity
KEGG_STEROID_HORMONE_BIOSYNTHESIS	KEGG_STEROID_HORMONE_BIOSYNTHESIS
GO:0008395	steroid hydroxylase activity
GO:0019903	protein phosphatase binding
GO:0019840	isoprenoid binding
MP:0000414	alopecia
GO:0016298	lipase activity
GO:0004714	transmembrane receptor protein tyrosine kinase activity
MP:0000221	decreased leukocyte cell number
GO:0006639	acylglycerol metabolic process
MP:0008478	increased spleen white pulp amount
GO:0019838	growth factor binding
GO:0018904	organic ether metabolic process
MP:0005031	abnormal trophoblast layer morphology
MP:0008553	increased circulating tumor necrosis factor level
ENSG00000110244	APOA4 PPI subnetwork

GO:0048545	response to steroid hormone stimulus
ENSG00000100722	ZC3H14 PPI subnetwork
GO:0006638	neutral lipid metabolic process
ENSG00000197263	OR8D2 PPI subnetwork
MP:0008875	abnormal xenobiotic pharmacokinetics
MP:0009763	increased sensitivity to induced morbidity/mortality
GO:0008329	pattern recognition receptor activity
MP:0001792	impaired wound healing
GO:0019218	regulation of steroid metabolic process
ENSG00000163631	ALB PPI subnetwork
MP:0003887	increased hepatocyte apoptosis
MP:0001926	female infertility
MP:0000783	abnormal forebrain morphology
REACTOME_INITIAL_TRIGGERING_OF_COM	REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT
ENSG00000156453	PCDH1 PPI subnetwork
ENSG00000100181	ENSG00000100181 PPI subnetwork
ENSG00000137801	THBS1 PPI subnetwork
GO:0042493	response to drug
REACTOME_XENOBIOTICS	REACTOME_XENOBIOTICS
ENSG00000106617	PRKAG2 PPI subnetwork
GO:0034637	cellular carbohydrate biosynthetic process
MP:0005637	abnormal iron homeostasis
ENSG00000171560	FGA PPI subnetwork
GO:0016746	transferase activity, transferring acyl groups
ENSG00000126561	STAT5A PPI subnetwork
MP:0008470	abnormal spleen B cell follicle morphology
GO:0072378	blood coagulation, fibrin clot formation
KEGG_ADIPOCYTOKINE_SIGNALING_PATHV	KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY
MP:0001726	abnormal allantois morphology
GO:0071827	plasma lipoprotein particle organization
GO:0071825	protein-lipid complex subunit organization
ENSG00000197249	SERPINA1 PPI subnetwork
ENSG00000109072	SEBOX PPI subnetwork
MP:0009767	decreased sensitivity to xenobiotic induced morbidity/mortali
GO:0034381	plasma lipoprotein particle clearance
MP:0008596	increased circulating interleukin-6 level
ENSG00000105671	DDX49 PPI subnetwork
ENSG00000187498	COL4A1 PPI subnetwork
GO:0061041	regulation of wound healing
GO:0008201	heparin binding
ENSG00000181827	RFX7 PPI subnetwork
MP:0005325	abnormal renal glomerulus morphology
ENSG00000105329	TGFB1 PPI subnetwork
MP:0001556	increased circulating HDL cholesterol level
MP:0000219	increased neutrophil cell number
ENSG00000111725	PRKAB1 PPI subnetwork
ENSG00000197746	PSAP PPI subnetwork
ENSG00000101361	NOP56 PPI subnetwork
MP:0008874	decreased physiological sensitivity to xenobiotic
REACTOME_INNATE_IMMUNE_SYSTEM	REACTOME_INNATE_IMMUNE_SYSTEM

MP:0000928	incomplete cephalic closure
MP:0003566	abnormal cell adhesion
ENSG00000124299	PEPD PPI subnetwork
GO:0007568	aging
ENSG00000136250	AOAH PPI subnetwork
MP:0000601	small liver
GO:0042813	Wnt-activated receptor activity
GO:0005542	folic acid binding
GO:0009925	basal plasma membrane
MP:0003231	abnormal placenta vasculature
ENSG00000213923	CSNK1E PPI subnetwork
ENSG00000142798	HSPG2 PPI subnetwork
GO:0043009	chordate embryonic development
ENSG00000152582	SPEF2 PPI subnetwork
ENSG00000109819	PPARGC1A PPI subnetwork
GO:0034504	protein localization to nucleus
ENSG00000131910	NR0B2 PPI subnetwork
MP:0008807	increased liver iron level
ENSG00000118690	ARMC2 PPI subnetwork
MP:0002085	abnormal embryonic tissue morphology
GO:0043086	negative regulation of catalytic activity
ENSG00000211896	ENSG00000211896 PPI subnetwork
GO:0032403	protein complex binding
MP:0008734	decreased susceptibility to endotoxin shock
MP:0003909	increased eating behavior
GO:0019200	carbohydrate kinase activity
GO:0019900	kinase binding
GO:0006641	triglyceride metabolic process
GO:0016229	steroid dehydrogenase activity
MP:0003567	abnormal fetal cardiomyocyte proliferation
REACTOME_TRANSPORT_OF_VITAMINS_NU	REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_
MP:0003044	impaired basement membrane formation
GO:0030334	regulation of cell migration
KEGG_INSULIN_SIGNALING_PATHWAY	KEGG_INSULIN_SIGNALING_PATHWAY
MP:0000259	abnormal vascular development
ENSG00000182953	ENSG00000182953 PPI subnetwork
GO:0001890	placenta development
ENSG00000181929	PRKAG1 PPI subnetwork
GO:0016863	intramolecular oxidoreductase activity, transposing C=C bonds
ENSG00000107623	GDF10 PPI subnetwork
GO:0072376	protein activation cascade
MP:0001785	edema
ENSG00000086758	HUWE1 PPI subnetwork
REACTOME_ABC:FAMILY_PROTEINS_MEDIA	REACTOME_ABC:FAMILY_PROTEINS_MEDIATED_TRANSPORT
ENSG00000141141	DDX52 PPI subnetwork
GO:0004869	cysteine-type endopeptidase inhibitor activity
ENSG00000081479	LRP2 PPI subnetwork
GO:0010951	negative regulation of endopeptidase activity
GO:0018200	peptidyl-glutamic acid modification
MP:0005244	hemopericardium

MP:0000260	abnormal angiogenesis
GO:0032374	regulation of cholesterol transport
GO:0032371	regulation of sterol transport
ENSG00000135047	CTSL1 PPI subnetwork
MP:0005621	abnormal cell physiology
GO:0015645	fatty acid ligase activity
GO:0044042	glucan metabolic process
GO:0006073	cellular glucan metabolic process
MP:0008735	increased susceptibility to endotoxin shock
MP:0002092	abnormal eye morphology
MP:0004229	abnormal embryonic erythropoiesis
ENSG00000182636	NDN PPI subnetwork
MP:0003725	increased autoantibody level
MP:0004251	failure of heart looping
MP:0009657	failure of chorioallantoic fusion
ENSG00000160285	LSS PPI subnetwork
GO:0006699	bile acid biosynthetic process
ENSG00000120158	RCL1 PPI subnetwork
GO:0051270	regulation of cellular component movement
ENSG00000115415	STAT1 PPI subnetwork
GO:0046982	protein heterodimerization activity
GO:0033273	response to vitamin
ENSG00000118785	SPP1 PPI subnetwork
MP:0002891	increased insulin sensitivity
ENSG00000160282	FTCD PPI subnetwork
GO:0010466	negative regulation of peptidase activity
GO:0005977	glycogen metabolic process
ENSG00000185245	GP1BA PPI subnetwork
ENSG00000112651	MRPL2 PPI subnetwork
GO:0006662	glycerol ether metabolic process
GO:0016877	ligase activity, forming carbon-sulfur bonds
MP:0001209	spontaneous skin ulceration
ENSG00000183520	UTP11L PPI subnetwork
ENSG00000143514	TP53BP2 PPI subnetwork
GO:0016763	transferase activity, transferring pentosyl groups
MP:0003331	hepatocellular carcinoma
GO:0022603	regulation of anatomical structure morphogenesis
REACTOME_PLATELET_AGGREGATION_PLU	REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION
ENSG00000165271	NOL6 PPI subnetwork
ENSG00000107611	CUBN PPI subnetwork
GO:0032451	demethylase activity
ENSG00000154582	TCEB1 PPI subnetwork
GO:0016725	oxidoreductase activity, acting on CH or CH2 groups
MP:0000592	short tail
MP:0001688	abnormal somite development
ENSG00000067225	PKM2 PPI subnetwork
GO:2000145	regulation of cell motility
ENSG00000212645	ENSG00000212645 PPI subnetwork
GO:0016052	carbohydrate catabolic process
GO:0001666	response to hypoxia

ENSG00000102878	HSF4 PPI subnetwork
MP:0000220	increased monocyte cell number
KEGG_LINOLEIC_ACID_METABOLISM	KEGG_LINOLEIC_ACID_METABOLISM
MP:0001696	failure to gastrulate
GO:0004553	hydrolase activity, hydrolyzing O-glycosyl compounds
MP:0001511	disheveled coat
GO:0016597	amino acid binding
ENSG00000089154	GCN1L1 PPI subnetwork
MP:0003659	abnormal lymph circulation
MP:0008525	decreased cranium height
ENSG00000126934	MAP2K2 PPI subnetwork
ENSG00000123159	GIPC1 PPI subnetwork
GO:0030194	positive regulation of blood coagulation
ENSG00000169371	SNUPN PPI subnetwork
GO:0051119	sugar transmembrane transporter activity
GO:0006694	steroid biosynthetic process
GO:0034368	protein-lipid complex remodeling
GO:0034367	macromolecular complex remodeling
GO:0034369	plasma lipoprotein particle remodeling
MP:0008809	increased spleen iron level
MP:0004772	abnormal bile secretion
MP:0005533	increased body temperature
MP:0008484	decreased spleen germinal center size
ENSG00000178607	ERN1 PPI subnetwork
ENSG00000182010	RTKN2 PPI subnetwork
KEGG_LYSINE_DEGRADATION	KEGG_LYSINE_DEGRADATION
MP:0002109	abnormal limb morphology
GO:0065005	protein-lipid complex assembly
GO:0034377	plasma lipoprotein particle assembly
ENSG00000144908	ALDH1L1 PPI subnetwork
REACTOME_CELL_SURFACE_INTERACTIONS	REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCUL
MP:0005185	decreased circulating progesterone level
ENSG00000187837	HIST1H1C PPI subnetwork
GO:0070325	lipoprotein particle receptor binding
MP:0001719	absent vitelline blood vessels
ENSG00000003436	TFPI PPI subnetwork
ENSG00000034971	MYOC PPI subnetwork
MP:0004948	abnormal neuronal precursor proliferation
MP:0009789	decreased susceptibility to bacterial infection induced morbidi
REACTOME_BIOLOGICAL_OXIDATIONS	REACTOME_BIOLOGICAL_OXIDATIONS
REACTOME_CLASSICAL_ANTIBODY:MEDIAT	REACTOME_CLASSICAL_ANTIBODY:MEDIATED_COMPLEMENT
ENSG00000007402	CACNA2D2 PPI subnetwork
MP:0005317	increased triglyceride level
ENSG00000137561	TTPA PPI subnetwork
GO:0006605	protein targeting
ENSG00000145192	AHSG PPI subnetwork
GO:0008209	androgen metabolic process
GO:0030193	regulation of blood coagulation
ENSG00000106348	IMPDH1 PPI subnetwork
GO:0016830	carbon-carbon lyase activity

ENSG00000163513	TGFBR2 PPI subnetwork
GO:0001944	vasculature development
ENSG00000106344	RBM28 PPI subnetwork
GO:0046486	glycerolipid metabolic process
ENSG00000163586	FABP1 PPI subnetwork
MP:0002652	thin myocardium
ENSG00000112186	CAP2 PPI subnetwork
MP:0002447	abnormal erythrocyte morphology
GO:0000792	heterochromatin
MP:0003071	decreased vascular permeability
ENSG00000186895	FGF3 PPI subnetwork
GO:0016878	acid-thiol ligase activity
ENSG00000103363	TCEB2 PPI subnetwork
ENSG00000163938	GNL3 PPI subnetwork
ENSG00000132780	NASP PPI subnetwork
ENSG00000078061	ARAF PPI subnetwork
ENSG00000148843	PDCD11 PPI subnetwork
ENSG00000138750	NUP54 PPI subnetwork
ENSG00000086061	DNAJA1 PPI subnetwork
GO:0005905	coated pit
MP:0001730	embryonic growth arrest
MP:0002079	increased circulating insulin level
ENSG00000130208	APOC1 PPI subnetwork
ENSG00000070388	FGF22 PPI subnetwork
ENSG00000158815	FGF17 PPI subnetwork
ENSG00000111241	FGF6 PPI subnetwork
ENSG00000156427	FGF18 PPI subnetwork
ENSG00000107831	FGF8 PPI subnetwork
ENSG00000162344	FGF19 PPI subnetwork
GO:0046463	acylglycerol biosynthetic process
GO:0046460	neutral lipid biosynthetic process
MP:0010375	increased kidney iron level
GO:0090207	regulation of triglyceride metabolic process
ENSG00000071462	WBSCR22 PPI subnetwork
MP:0003091	abnormal cell migration
MP:0011427	mesangial cell hyperplasia
ENSG00000099860	GADD45B PPI subnetwork
ENSG00000106123	EPHB6 PPI subnetwork
MP:0001684	abnormal axial mesoderm
ENSG00000160220	ENSG00000160220 PPI subnetwork
ENSG00000112159	MDN1 PPI subnetwork
ENSG00000182054	IDH2 PPI subnetwork
ENSG00000214485	ENSG00000214485 PPI subnetwork
ENSG00000161638	ITGA5 PPI subnetwork
MP:0000120	malocclusion
REACTOME_SULFUR_AMINO_ACID_METAB	REACTOME_SULFUR_AMINO_ACID_METABOLISM
GO:0050820	positive regulation of coagulation
MP:0004187	cardia bifida
MP:0010701	fusion of atlas and odontoid process
ENSG00000082701	GSK3B PPI subnetwork

GO:0007266	Rho protein signal transduction
ENSG00000087245	MMP2 PPI subnetwork
MP:0005309	increased circulating ammonia level
ENSG00000120156	TEK PPI subnetwork
ENSG00000110492	MDK PPI subnetwork
REACTOME_METABOLISM_OF_WATER:SOL	REACTOME_METABOLISM_OF_WATER:SOLUBLE_VITAMINS_A
REACTOME_METABOLISM_OF_VITAMINS_A	REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS
REACTOME_REGULATION_OF_GLUCOKINAS	REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINA
MP:0001861	lung inflammation
GO:0006006	glucose metabolic process
ENSG00000102900	NUP93 PPI subnetwork
ENSG00000086619	ERO1LB PPI subnetwork
MP:0002191	abnormal artery morphology
ENSG00000141076	CIRH1A PPI subnetwork
ENSG00000205246	RPSAP58 PPI subnetwork
ENSG00000172602	RND1 PPI subnetwork
MP:0008873	increased physiological sensitivity to xenobiotic
GO:0015026	coreceptor activity
GO:0070330	aromatase activity
GO:0005529	GO:0005529
MP:0008813	decreased common myeloid progenitor cell number
MP:0000596	abnormal liver development
ENSG00000188739	RBM34 PPI subnetwork
MP:0006298	abnormal platelet activation
ENSG00000120800	UTP20 PPI subnetwork
MP:0001585	hemolytic anemia
MP:0001274	curly vibrissae
ENSG00000145715	RASA1 PPI subnetwork
ENSG00000156482	RPL30 PPI subnetwork
GO:0016323	basolateral plasma membrane
KEGG_ABC_TRANSPORTERS	KEGG_ABC_TRANSPORTERS
ENSG00000133216	EPHB2 PPI subnetwork
GO:0032787	monocarboxylic acid metabolic process
MP:0002421	abnormal cell-mediated immunity
ENSG00000105289	TJP3 PPI subnetwork
ENSG00000164934	DCAF13 PPI subnetwork
GO:0040012	regulation of locomotion
ENSG00000077348	EXOSC5 PPI subnetwork
ENSG00000132182	NUP210 PPI subnetwork
MP:0005318	decreased triglyceride level
GO:0015144	carbohydrate transmembrane transporter activity
MP:0000493	rectal prolapse
MP:0003717	pallor
MP:0002412	increased susceptibility to bacterial infection
ENSG00000102678	FGF9 PPI subnetwork
MP:0003070	increased vascular permeability
ENSG00000165731	RET PPI subnetwork
GO:0008028	monocarboxylic acid transmembrane transporter activity
MP:0000477	abnormal intestine morphology
GO:0050810	regulation of steroid biosynthetic process

ENSG00000084676	NCOA1 PPI subnetwork
GO:0005996	monosaccharide metabolic process
ENSG00000168610	STAT3 PPI subnetwork
GO:0070482	response to oxygen levels
GO:0051248	negative regulation of protein metabolic process
REACTOME_APOPTOSIS	REACTOME_APOPTOSIS
MP:0002575	increased circulating ketone body level
KEGG_ALPHA_LINOLENIC_ACID_METABOLI	KEGG_ALPHA_LINOLENIC_ACID_METABOLISM
ENSG00000113580	NR3C1 PPI subnetwork
ENSG00000115761	NOL10 PPI subnetwork
MP:0005478	decreased circulating thyroxine level
MP:0000109	abnormal parietal bone morphology
GO:0005355	glucose transmembrane transporter activity
GO:0016712	oxidoreductase activity, acting on paired donors, with incorpo
GO:0016051	carbohydrate biosynthetic process
KEGG_THYROID_CANCER	KEGG_THYROID_CANCER
ENSG00000145692	BHMT PPI subnetwork
ENSG00000188536	HBA2 PPI subnetwork
ENSG00000206172	HBA1 PPI subnetwork
GO:0042157	lipoprotein metabolic process
MP:0002792	abnormal retinal vasculature morphology
ENSG00000170348	TMED10 PPI subnetwork
MP:0001303	abnormal lens morphology
MP:0005508	abnormal skeleton morphology
MP:0005657	abnormal neural plate morphology
GO:0016701	oxidoreductase activity, acting on single donors with incorpora
ENSG00000182326	C1S PPI subnetwork
MP:0005602	decreased angiogenesis
MP:0003921	abnormal heart left ventricle morphology
ENSG00000124610	HIST1H1A PPI subnetwork
ENSG00000151224	MAT1A PPI subnetwork
MP:0001783	decreased white adipose tissue amount
MP:0002416	abnormal proerythroblast morphology
ENSG00000135372	NAT10 PPI subnetwork
ENSG00000172071	EIF2AK3 PPI subnetwork
ENSG00000198104	OR2T6 PPI subnetwork
MP:0001297	microphthalmia
GO:0030134	ER to Golgi transport vesicle
MP:0001672	abnormal embryogenesis/ development
ENSG00000106462	EZH2 PPI subnetwork
GO:0051213	dioxygenase activity
GO:0042304	regulation of fatty acid biosynthetic process
MP:0004779	abnormal production of surfactant
MP:0001732	postnatal growth retardation
GO:0002455	humoral immune response mediated by circulating immunogl
GO:0001568	blood vessel development
MP:0001614	abnormal blood vessel morphology
ENSG00000143379	SETDB1 PPI subnetwork
MP:0008475	intermingled spleen red and white pulp
GO:0006520	cellular amino acid metabolic process

GO:0016702	oxidoreductase activity, acting on single donors with incorpora
ENSG00000142192	APP PPI subnetwork
ENSG00000104835	FBXO17 PPI subnetwork
KEGG_STARCH_AND_SUCROSE_METABOLIS	KEGG_STARCH_AND_SUCROSE_METABOLISM
GO:0016798	hydrolase activity, acting on glycosyl bonds
MP:0004921	decreased placenta weight
GO:0016918	retinal binding
GO:0004601	peroxidase activity
GO:0016684	oxidoreductase activity, acting on peroxide as acceptor
ENSG00000078579	FGF20 PPI subnetwork
MP:0011106	partial embryonic lethality before somite formation
MP:0005293	impaired glucose tolerance
ENSG00000089157	RPLP0 PPI subnetwork
ENSG00000148498	PARD3 PPI subnetwork
ENSG00000117500	TMED5 PPI subnetwork
MP:0002972	abnormal cardiac muscle contractility
MP:0008752	abnormal tumor necrosis factor level
MP:0003704	abnormal hair follicle development
ENSG00000084774	CAD PPI subnetwork
GO:0033500	carbohydrate homeostasis
GO:0042593	glucose homeostasis
GO:0034434	sterol esterification
GO:0034435	cholesterol esterification
GO:0034433	steroid esterification
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS	REACTOME_TRIGLYCERIDE_BIOSYNTHESIS
ENSG00000136488	CSH1 PPI subnetwork
ENSG00000160691	SHC1 PPI subnetwork
ENSG00000111615	KRR1 PPI subnetwork
ENSG00000174697	LEP PPI subnetwork
GO:0007599	hemostasis
GO:0010565	regulation of cellular ketone metabolic process
ENSG00000013364	MVP PPI subnetwork
ENSG00000100767	PAPLN PPI subnetwork
GO:0019955	cytokine binding
MP:0002151	abnormal neural tube morphology/development
GO:0050817	coagulation
GO:0007596	blood coagulation
GO:0044283	small molecule biosynthetic process
MP:0006055	abnormal vascular endothelial cell morphology
ENSG00000100934	SEC23A PPI subnetwork
REACTOME_INTEGRIN_ALPHAIIB_BETA3_SI	REACTOME_INTEGRIN_ALPHAIIB_BETA3_SIGNALING
ENSG00000151576	QTRTD1 PPI subnetwork
MP:0004883	abnormal vascular wound healing
MP:0000218	increased leukocyte cell number
ENSG00000161618	ALDH16A1 PPI subnetwork
ENSG00000162407	PPAP2B PPI subnetwork
KEGG_PEROXISOME	KEGG_PEROXISOME
ENSG00000092969	TGFB2 PPI subnetwork
GO:0030162	regulation of proteolysis
MP:0011090	partial perinatal lethality

ENSG00000108654	DDX5 PPI subnetwork
ENSG00000056345	ENSG00000056345 PPI subnetwork
GO:0015149	hexose transmembrane transporter activity
ENSG00000151846	PABPC3 PPI subnetwork
ENSG00000142273	CBLC PPI subnetwork
MP:0000474	abnormal foregut morphology
GO:0000272	polysaccharide catabolic process
KEGG_DRUG_METABOLISM_CYTOCHROME	KEGG_DRUG_METABOLISM_CYTOCHROME_P450
ENSG00000163737	PF4 PPI subnetwork
ENSG00000107404	DVL1 PPI subnetwork
GO:0015145	monosaccharide transmembrane transporter activity
MP:0001680	abnormal mesoderm development
GO:0034754	cellular hormone metabolic process
MP:0001853	heart inflammation
MP:0005294	abnormal heart ventricle morphology
MP:0000240	extramedullary hematopoiesis
GO:0019217	regulation of fatty acid metabolic process
MP:0011096	complete embryonic lethality before somite formation
ENSG00000146729	GBAS PPI subnetwork
ENSG00000042832	TG PPI subnetwork
GO:0046965	retinoid X receptor binding
MP:0002419	abnormal innate immunity
ENSG00000129347	KRI1 PPI subnetwork
GO:0006898	receptor-mediated endocytosis
MP:0002111	abnormal tail morphology
ENSG00000109111	SUPT6H PPI subnetwork
MP:0002752	abnormal somatic nervous system morphology
GO:0033692	cellular polysaccharide biosynthetic process
GO:0016042	lipid catabolic process
ENSG00000137767	SQRDL PPI subnetwork
GO:0030299	intestinal cholesterol absorption
MP:0002451	abnormal macrophage physiology
GO:0019318	hexose metabolic process
MP:0001260	increased body weight
MP:0000418	focal hair loss
GO:0019432	triglyceride biosynthetic process
GO:0030145	manganese ion binding
ENSG00000124151	NCOA3 PPI subnetwork
ENSG00000091136	LAMB1 PPI subnetwork
MP:0005201	abnormal retinal pigment epithelium morphology
GO:0048037	cofactor binding
MP:0003657	abnormal erythrocyte osmotic lysis
ENSG00000150990	DHX37 PPI subnetwork
MP:0005590	increased vasodilation
GO:0004879	ligand-activated sequence-specific DNA binding RNA polymera
ENSG00000171105	INSR PPI subnetwork
GO:0008013	beta-catenin binding
GO:0005913	cell-cell adherens junction
GO:0008643	carbohydrate transport
GO:0046394	carboxylic acid biosynthetic process

GO:0016053	organic acid biosynthetic process
ENSG00000141551	CSNK1D PPI subnetwork
ENSG00000137975	CLCA2 PPI subnetwork
MP:0000291	enlarged pericardium
MP:0001675	abnormal ectoderm development
MP:0000322	increased granulocyte number
ENSG00000087269	NOP14 PPI subnetwork
GO:0030139	endocytic vesicle
ENSG00000105202	FBL PPI subnetwork
MP:0009937	abnormal neuron differentiation
GO:0032880	regulation of protein localization
MP:0000897	abnormal midbrain morphology
REACTOME_PLATELET_ACTIVATION_SIGNA	REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGRE
GO:0031418	L-ascorbic acid binding
GO:0051184	cofactor transporter activity
MP:0000295	trabecula carnea hypoplasia
MP:0001786	skin edema
MP:0000383	abnormal hair follicle orientation
ENSG00000083093	PALB2 PPI subnetwork
MP:0002621	delayed neural tube closure
MP:0008479	decreased spleen white pulp amount
ENSG00000113460	BRIX1 PPI subnetwork
GO:0032101	regulation of response to external stimulus
ENSG00000112578	BYSL PPI subnetwork
ENSG00000074211	PPP2R2C PPI subnetwork
GO:0019915	lipid storage
GO:0000323	lytic vacuole
GO:0005764	lysosome
ENSG00000044574	HSPA5 PPI subnetwork
MP:0005312	pericardial effusion
ENSG00000162298	SYVN1 PPI subnetwork
ENSG00000124198	ARFGEF2 PPI subnetwork
ENSG00000143627	PKLR PPI subnetwork
ENSG00000117133	RPF1 PPI subnetwork
REACTOME_FATTY_ACYL:COA_BIOSYNTHES	REACTOME_FATTY_ACYL:COA_BIOSYNTHESIS
MP:0002404	increased intestinal adenoma incidence
ENSG00000164338	UTP15 PPI subnetwork
GO:0009055	electron carrier activity
MP:0000685	abnormal immune system morphology
ENSG00000211592	ENSG00000211592 PPI subnetwork
GO:0042311	vasodilation
GO:0050818	regulation of coagulation
ENSG00000173039	RELA PPI subnetwork
ENSG00000164751	PEX2 PPI subnetwork
ENSG00000101040	ZMYND8 PPI subnetwork
ENSG00000138722	MMRN1 PPI subnetwork
ENSG00000179218	CALR PPI subnetwork
ENSG00000109534	GAR1 PPI subnetwork
ENSG00000177425	PAWR PPI subnetwork
MP:0000521	abnormal kidney cortex morphology

MP:0002230	abnormal primitive streak formation
ENSG00000005339	CREBBP PPI subnetwork
ENSG00000212981	ENSG00000212981 PPI subnetwork
ENSG00000171735	CAMTA1 PPI subnetwork
MP:0000367	abnormal coat/ hair morphology
ENSG00000165409	TSHR PPI subnetwork
ENSG00000173369	C1QB PPI subnetwork
GO:0030335	positive regulation of cell migration
MP:0000440	domed cranium
MP:0008074	increased CD4-positive T cell number
GO:0043202	lysosomal lumen
MP:0001750	increased circulating follicle stimulating hormone level
REACTOME_INTERLEUKIN:6_SIGNALING	REACTOME_INTERLEUKIN:6_SIGNALING
ENSG00000065183	WDR3 PPI subnetwork
MP:0005264	glomerulosclerosis
MP:0001870	salivary gland inflammation
ENSG00000005961	ITGA2B PPI subnetwork
GO:0005775	vacuolar lumen
MP:0000914	exencephaly
MP:0003853	dry skin
ENSG00000088833	NSFL1C PPI subnetwork
ENSG00000116106	EPHA4 PPI subnetwork
KEGG_FATTY_ACID_METABOLISM	KEGG_FATTY_ACID_METABOLISM
GO:0045765	regulation of angiogenesis
GO:0050880	regulation of blood vessel size
ENSG00000128829	EIF2AK4 PPI subnetwork
ENSG00000165733	BMS1 PPI subnetwork
ENSG00000196415	PRTN3 PPI subnetwork
MP:0008706	decreased interleukin-6 secretion
ENSG00000122406	RPL5 PPI subnetwork
GO:0033365	protein localization to organelle
ENSG00000103502	CDIPT PPI subnetwork
ENSG00000137309	HMGA1 PPI subnetwork
ENSG00000138675	FGF5 PPI subnetwork
ENSG00000118972	FGF23 PPI subnetwork
GO:0009306	protein secretion
ENSG00000130826	DKC1 PPI subnetwork
GO:2000147	positive regulation of cell motility
MP:0004130	abnormal muscle cell glucose uptake
MP:0001431	abnormal eating behavior
GO:0004197	cysteine-type endopeptidase activity
GO:0051384	response to glucocorticoid stimulus
ENSG00000115816	CEBPZ PPI subnetwork
ENSG00000167508	MVD PPI subnetwork
MP:0009399	increased skeletal muscle fiber size
MP:0005013	increased lymphocyte cell number
REACTOME_GLYCOLYSIS	REACTOME_GLYCOLYSIS
REACTOME_BMAL1CLOCKNPAS2_ACTIVATE	REACTOME_BMAL1CLOCKNPAS2_ACTIVATES_GENE_EXPRESSI
GO:0001816	cytokine production
MP:0001263	weight loss

GO:0030336	negative regulation of cell migration
ENSG00000122484	RPAP2 PPI subnetwork
MP:0003957	abnormal nitric oxide homeostasis
MP:0001179	thick pulmonary interalveolar septum
ENSG00000136634	IL10 PPI subnetwork
GO:0051272	positive regulation of cellular component movement
GO:0046504	glycerol ether biosynthetic process
GO:0008158	hedgehog receptor activity
MP:0002674	abnormal sperm motility
ENSG00000206284	WDR46 PPI subnetwork
ENSG00000204221	WDR46 PPI subnetwork
KEGG_TYROSINE_METABOLISM	KEGG_TYROSINE_METABOLISM
GO:0055102	lipase inhibitor activity
GO:0031227	intrinsic to endoplasmic reticulum membrane
MP:0001554	increased circulating free fatty acid level
GO:0006575	cellular modified amino acid metabolic process
ENSG00000111859	NEDD9 PPI subnetwork
MP:0000267	abnormal heart development
ENSG00000146109	ABT1 PPI subnetwork
ENSG00000067334	DNTTIP2 PPI subnetwork
MP:0000266	abnormal heart morphology
MP:0005030	absent amnion
GO:0045926	negative regulation of growth
ENSG00000174177	CTU2 PPI subnetwork
ENSG00000115946	PNO1 PPI subnetwork
ENSG00000103653	CSK PPI subnetwork
MP:0000229	abnormal megakaryocyte differentiation
MP:0004787	abnormal dorsal aorta morphology
MP:0005014	increased B cell number
GO:0045940	positive regulation of steroid metabolic process
ENSG00000124383	MPHOSPH10 PPI subnetwork
ENSG00000128602	SMO PPI subnetwork
ENSG00000011260	UTP18 PPI subnetwork
GO:0042445	hormone metabolic process
GO:0048771	tissue remodeling
ENSG00000173372	C1QA PPI subnetwork
MP:0005459	decreased percent body fat
KEGG_STEROID_BIOSYNTHESIS	KEGG_STEROID_BIOSYNTHESIS
ENSG00000215320	ENSG00000215320 PPI subnetwork
ENSG00000140379	BCL2A1 PPI subnetwork
ENSG00000180138	CSNK1A1L PPI subnetwork
MP:0005334	abnormal fat pad morphology
ENSG00000136718	IMP4 PPI subnetwork
MP:0000512	intestinal ulcer
GO:0045017	glycerolipid biosynthetic process
ENSG00000160255	ITGB2 PPI subnetwork
MP:0008254	increased megakaryocyte cell number
GO:0040017	positive regulation of locomotion
GO:0006956	complement activation
MP:0003720	abnormal neural tube closure

REACTOME_SLC:MEDIATED_TRANSMEMBR	REACTOME_SLC:MEDIATED_TRANSMEMBRANE_TRANSPORT
ENSG00000081237	PTPRC PPI subnetwork
ENSG00000138757	G3BP2 PPI subnetwork
MP:0003542	abnormal vascular endothelial cell development
GO:0042058	regulation of epidermal growth factor receptor signaling pathv
MP:0002376	abnormal dendritic cell physiology
MP:0004151	decreased circulating iron level
GO:0012507	ER to Golgi transport vesicle membrane
GO:0016641	oxidoreductase activity, acting on the CH-NH2 group of donors
ENSG00000177971	IMP3 PPI subnetwork
GO:0001525	angiogenesis
GO:0010575	positive regulation vascular endothelial growth factor product
MP:0001689	incomplete somite formation
ENSG00000196540	ENSG00000196540 PPI subnetwork
GO:0031960	response to corticosteroid stimulus
KEGG_BUTANOATE_METABOLISM	KEGG_BUTANOATE_METABOLISM
GO:0051050	positive regulation of transport
ENSG00000120833	SOCS2 PPI subnetwork
ENSG00000125485	DDX31 PPI subnetwork
ENSG00000124228	DDX27 PPI subnetwork
ENSG00000040199	PHLPP2 PPI subnetwork
ENSG00000151276	MAGI1 PPI subnetwork
MP:0009642	abnormal blood homeostasis
ENSG00000050820	BCAR1 PPI subnetwork
ENSG00000126883	NUP214 PPI subnetwork
ENSG00000168918	INPP5D PPI subnetwork
GO:0048020	CCR chemokine receptor binding
MP:0006355	abnormal sixth branchial arch artery morphology
ENSG00000197818	SLC9A8 PPI subnetwork
MP:0008617	increased circulating interleukin-12 level
GO:0061138	morphogenesis of a branching epithelium
MP:0002060	abnormal skin morphology
KEGG_METABOLISM_OF_XENOBIOTICS_BY_	KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P4
GO:0019239	deaminase activity
ENSG00000180879	SSR4 PPI subnetwork
GO:0044419	interspecies interaction between organisms
ENSG00000140564	FURIN PPI subnetwork
MP:0005358	abnormal incisor morphology
ENSG00000164050	PLXNB1 PPI subnetwork
ENSG00000212695	ENSG00000212695 PPI subnetwork
MP:0001798	impaired macrophage phagocytosis
GO:0002252	immune effector process
ENSG00000198336	MYL4 PPI subnetwork
ENSG00000119729	RHOQ PPI subnetwork
ENSG00000179715	FAM113B PPI subnetwork
GO:0005520	insulin-like growth factor binding
GO:0061008	hepaticobiliary system development
ENSG00000211973	ENSG00000211973 PPI subnetwork
ENSG00000211979	ENSG00000211979 PPI subnetwork
GO:0051917	regulation of fibrinolysis

GO:0019901	protein kinase binding
GO:2000146	negative regulation of cell motility
REACTOME_ENDOGENOUS_STEROLS	REACTOME_ENDOGENOUS_STEROLS
MP:0001633	poor circulation
GO:0033764	steroid dehydrogenase activity, acting on the CH-OH group of
GO:0031300	intrinsic to organelle membrane
MP:0000600	liver hypoplasia
MP:0009548	abnormal platelet aggregation
GO:0048754	branching morphogenesis of a tube
MP:0002058	neonatal lethality
MP:0004808	abnormal hematopoietic stem cell morphology
MP:0011092	complete embryonic lethality
GO:0005901	caveola
ENSG00000147403	RPL10 PPI subnetwork
MP:0005023	abnormal wound healing
REACTOME_TRYPTOPHAN_CATABOLISM	REACTOME_TRYPTOPHAN_CATABOLISM
GO:0044282	small molecule catabolic process
ENSG00000007264	MATK PPI subnetwork
ENSG00000104980	TIMM44 PPI subnetwork
REACTOME_REGULATION_OF_IFNA_SIGNA	REACTOME_REGULATION_OF_IFNA_SIGNALING
MP:0005282	decreased fatty acid level
ENSG00000173757	STAT5B PPI subnetwork
MP:0002642	anisocytosis
ENSG00000197283	SYNGAP1 PPI subnetwork
ENSG00000099194	SCD PPI subnetwork
ENSG00000164251	F2RL1 PPI subnetwork
GO:0016411	acylglycerol O-acyltransferase activity
GO:0050994	regulation of lipid catabolic process
ENSG00000166913	YWHAB PPI subnetwork
ENSG00000171824	EXOSC10 PPI subnetwork
ENSG00000135100	HNF1A PPI subnetwork
GO:0042562	hormone binding
ENSG00000068976	PYGM PPI subnetwork
GO:0001889	liver development
GO:0043235	receptor complex
GO:0051180	vitamin transport
ENSG00000165029	ABCA1 PPI subnetwork
MP:0005011	increased eosinophil cell number
REACTOME_GLUCONEOGENESIS	REACTOME_GLUCONEOGENESIS
KEGG_ALANINE_ASPARTATE_AND_GLUTAM	KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM
ENSG00000025800	KPNA6 PPI subnetwork
ENSG00000167601	AXL PPI subnetwork
GO:0001569	patterning of blood vessels
ENSG00000076641	PAG1 PPI subnetwork
ENSG00000156299	TIAM1 PPI subnetwork
GO:0032496	response to lipopolysaccharide
GO:0060711	labyrinthine layer development
GO:0016810	hydrolase activity, acting on carbon-nitrogen (but not peptide)
MP:0002080	prenatal lethality
MP:0005658	increased susceptibility to diet-induced obesity

ENSG00000172288	CDY1 PPI subnetwork
ENSG00000172352	CDY1B PPI subnetwork
GO:0051271	negative regulation of cellular component movement
ENSG00000052749	RRP12 PPI subnetwork
REACTOME_GLYCOGEN_BREAKDOWN_GLY	REACTOME_GLYCOGEN_BREAKDOWN_GLYCOGENOLYSIS
GO:0044241	lipid digestion
ENSG00000106366	SERPINE1 PPI subnetwork
ENSG00000183751	TBL3 PPI subnetwork
MP:0001790	abnormal immune system physiology
ENSG00000127824	TUBA4A PPI subnetwork
ENSG00000119866	BCL11A PPI subnetwork
GO:0035150	regulation of tube size
GO:0003018	vascular process in circulatory system
REACTOME_NUCLEAR_RECEPTOR_TRANSCI	REACTOME_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWA
ENSG00000109846	CRYAB PPI subnetwork
ENSG00000116001	TIA1 PPI subnetwork
GO:0005504	fatty acid binding
ENSG00000093000	NUP50 PPI subnetwork
MP:0000270	abnormal heart tube morphology
MP:0001242	hyperkeratosis
GO:0006958	complement activation, classical pathway
GO:0050892	intestinal absorption
REACTOME_DIABETES_PATHWAYS	REACTOME_DIABETES_PATHWAYS
ENSG00000101266	CSNK2A1 PPI subnetwork
REACTOME_IMMUNOREGULATORY_INTERA	REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEI
MP:0008554	decreased circulating tumor necrosis factor level
ENSG00000089159	PXN PPI subnetwork
ENSG00000186676	ENSG00000186676 PPI subnetwork
ENSG00000170727	BOP1 PPI subnetwork
GO:0019439	aromatic compound catabolic process
ENSG00000140285	FGF7 PPI subnetwork
REACTOME_CIRCADIAN_CLOCK	REACTOME_CIRCADIAN_CLOCK
MP:0002884	abnormal branchial arch morphology
ENSG00000089234	BRAP PPI subnetwork
GO:0048514	blood vessel morphogenesis
GO:0007249	I-kappaB kinase/NF-kappaB cascade
ENSG00000196954	CASP4 PPI subnetwork
MP:0006303	abnormal retinal nerve fiber layer morphology
ENSG00000136628	EPRS PPI subnetwork
MP:0000652	enlarged sebaceous gland
GO:0071219	cellular response to molecule of bacterial origin
GO:0071216	cellular response to biotic stimulus
MP:0005181	decreased circulating estradiol level
MP:0009549	decreased platelet aggregation
MP:0011099	complete lethality throughout fetal growth and development
MP:0004756	abnormal proximal convoluted tubule morphology
MP:0003658	abnormal capillary morphology
MP:0003227	abnormal vascular branching morphogenesis
ENSG00000163002	NUP35 PPI subnetwork
GO:0015908	fatty acid transport

MP:0002446	abnormal macrophage morphology
ENSG00000100311	PDGFB PPI subnetwork
ENSG00000164327	RICTOR PPI subnetwork
ENSG00000100902	PSMA6 PPI subnetwork
ENSG00000172379	ARNT2 PPI subnetwork
MP:0004830	short incisors
MP:0002962	increased urine protein level
MP:0009764	decreased sensitivity to induced morbidity/mortality
ENSG00000187899	ENSG00000187899 PPI subnetwork
GO:0004177	aminopeptidase activity
GO:0050663	cytokine secretion
GO:0050660	flavin adenine dinucleotide binding
GO:0044438	microbody part
GO:0044439	peroxisomal part
GO:0045923	positive regulation of fatty acid metabolic process
GO:0033189	response to vitamin A
MP:0006094	increased fat cell size
ENSG00000131459	GFPT2 PPI subnetwork
MP:0001312	abnormal cornea morphology
ENSG00000169047	IRS1 PPI subnetwork
ENSG00000196700	ZNF512B PPI subnetwork
ENSG00000174444	RPL4 PPI subnetwork
GO:0015929	hexosaminidase activity
GO:0043534	blood vessel endothelial cell migration
MP:0003721	increased tumor growth/size
GO:0010952	positive regulation of peptidase activity
ENSG00000087191	PSMC5 PPI subnetwork
ENSG00000136169	SETDB2 PPI subnetwork
MP:0009643	abnormal urine homeostasis
ENSG00000164587	RPS14 PPI subnetwork
ENSG00000158092	NCK1 PPI subnetwork
GO:0006897	endocytosis
GO:0010324	membrane invagination
ENSG00000147885	IFNA16 PPI subnetwork
ENSG00000147873	IFNA5 PPI subnetwork
ENSG00000186803	IFNA10 PPI subnetwork
ENSG00000188379	IFNA2 PPI subnetwork
ENSG00000147877	ENSG00000147877 PPI subnetwork
ENSG00000120247	ENSG00000120247 PPI subnetwork
ENSG00000186809	ENSG00000186809 PPI subnetwork
ENSG00000120242	IFNA8 PPI subnetwork
ENSG00000137080	IFNA21 PPI subnetwork
ENSG00000129354	AP1M2 PPI subnetwork
ENSG00000138430	OLA1 PPI subnetwork
ENSG00000164220	F2RL2 PPI subnetwork
ENSG00000134987	WDR36 PPI subnetwork
MP:0005616	decreased susceptibility to type IV hypersensitivity reaction
GO:0043434	response to peptide hormone stimulus
GO:0015926	glucosidase activity
GO:0001667	ameboidal cell migration

ENSG00000145777	TSLP PPI subnetwork
ENSG00000145907	G3BP1 PPI subnetwork
ENSG00000105976	MET PPI subnetwork
GO:0016860	intramolecular oxidoreductase activity
ENSG00000075415	SLC25A3 PPI subnetwork
ENSG00000089737	DDX24 PPI subnetwork
GO:0032637	interleukin-8 production
ENSG00000070193	FGF10 PPI subnetwork
MP:0002495	increased IgA level
MP:0000281	abnormal interventricular septum morphology
GO:0046503	glycerolipid catabolic process
MP:0000136	abnormal microglial cell morphology
ENSG00000101255	TRIB3 PPI subnetwork
ENSG00000104549	SQLE PPI subnetwork
ENSG00000103342	GSPT1 PPI subnetwork
MP:0000841	abnormal hindbrain morphology
GO:0000271	polysaccharide biosynthetic process
ENSG00000099797	TECR PPI subnetwork
ENSG00000169194	IL13 PPI subnetwork
GO:0007597	blood coagulation, intrinsic pathway
MP:0002780	decreased circulating testosterone level
ENSG00000096968	JAK2 PPI subnetwork
ENSG00000132196	HSD17B7 PPI subnetwork
GO:0005782	peroxisomal matrix
GO:0031907	microbody lumen
ENSG00000185338	SOCS1 PPI subnetwork
ENSG00000120885	CLU PPI subnetwork
GO:0034446	substrate adhesion-dependent cell spreading
MP:0008577	increased circulating interferon-gamma level
MP:0008641	increased circulating interleukin-1 beta level
ENSG00000125538	IL1B PPI subnetwork
ENSG00000211660	ENSG00000211660 PPI subnetwork
ENSG00000211653	ENSG00000211653 PPI subnetwork
MP:0000039	abnormal otic capsule morphology
ENSG00000128272	ATF4 PPI subnetwork
MP:0002665	decreased circulating corticosterone level
ENSG00000041357	PSMA4 PPI subnetwork
KEGG_GLYCOSAMINOGLYCAN_DEGRADATI	KEGG_GLYCOSAMINOGLYCAN_DEGRADATION
ENSG00000196365	LONP1 PPI subnetwork
MP:0004502	decreased incidence of chemically-induced tumors
ENSG00000138326	RPS24 PPI subnetwork
MP:0008537	increased susceptibility to induced colitis
MP:0002908	delayed wound healing
ENSG00000130810	PPAN PPI subnetwork
MP:0011423	kidney cortex atrophy
MP:0002192	hydrops fetalis
GO:0048568	embryonic organ development
ENSG00000106355	LSM5 PPI subnetwork
ENSG00000205339	IPO7 PPI subnetwork
GO:0009896	positive regulation of catabolic process

ENSG00000114767	RRP9 PPI subnetwork
ENSG00000110395	CBL PPI subnetwork
GO:0001763	morphogenesis of a branching structure
ENSG00000112964	GHR PPI subnetwork
REACTOME_ANTIVIRAL_MECHANISM_BY_I	REACTOME_ANTIVIRAL_MECHANISM_BY_IFN:STIMULATED_G
REACTOME_ISG15_ANTIVIRAL_MECHANISM	REACTOME_ISG15_ANTIVIRAL_MECHANISM
GO:0006644	phospholipid metabolic process
ENSG00000145912	NHP2 PPI subnetwork
MP:0006354	abnormal fourth branchial arch artery morphology
ENSG00000101439	CST3 PPI subnetwork
REACTOME_P130CAS_LINKAGE_TO_MAPK_	REACTOME_P130CAS_LINKAGE_TO_MAPK_SIGNALING_FOR_I
GO:0005793	endoplasmic reticulum-Golgi intermediate compartment
ENSG00000186660	ZFP91 PPI subnetwork
ENSG00000173848	NET1 PPI subnetwork
MP:0002816	colitis
ENSG00000111845	PAK1IP1 PPI subnetwork
ENSG00000108651	UTP6 PPI subnetwork
GO:0002460	adaptive immune response based on somatic recombination c
ENSG00000145833	DDX46 PPI subnetwork
MP:0000696	abnormal Peyer's patch morphology
GO:0009250	glucan biosynthetic process
GO:0005978	glycogen biosynthetic process
MP:0001146	abnormal testis morphology
REACTOME_REGULATION_OF_GENE_EXPRE	REACTOME_REGULATION_OF_GENE_EXPRESSION_IN_BETA_C
GO:0002250	adaptive immune response
ENSG00000138468	SENP7 PPI subnetwork
GO:0006959	humoral immune response
MP:0011353	expanded mesangial matrix
GO:0034698	response to gonadotropin stimulus
ENSG00000119285	HEATR1 PPI subnetwork
GO:0046889	positive regulation of lipid biosynthetic process
ENSG00000121989	ACVR2A PPI subnetwork
ENSG00000186951	PPARA PPI subnetwork
ENSG00000171150	SOCS5 PPI subnetwork
ENSG00000160087	UBE2J2 PPI subnetwork
GO:0000981	sequence-specific DNA binding RNA polymerase II transcriptio
ENSG00000182367	ENSG00000182367 PPI subnetwork
GO:0044420	extracellular matrix part
MP:0003068	enlarged kidney
GO:0002237	response to molecule of bacterial origin
MP:0000780	abnormal corpus callosum morphology
ENSG00000072778	ACADVL PPI subnetwork
GO:0010573	vascular endothelial growth factor production
GO:0010574	regulation of vascular endothelial growth factor production
MP:0001201	translucent skin
MP:0001175	abnormal lung morphology
ENSG00000044524	EPHA3 PPI subnetwork
GO:0006721	terpenoid metabolic process
GO:0016782	transferase activity, transferring sulfur-containing groups
REACTOME_PLATELET_SENSITIZATION_BY_	REACTOME_PLATELET_SENSITIZATION_BY_LDL

ENSG00000136243	NUPL2 PPI subnetwork
ENSG00000203747	FCGR3A PPI subnetwork
ENSG00000102974	CTCF PPI subnetwork
GO:0006953	acute-phase response
MP:0000693	spleen hyperplasia
ENSG00000134308	YWHAQ PPI subnetwork
MP:0000689	abnormal spleen morphology
ENSG00000164924	YWHAZ PPI subnetwork
ENSG00000109606	DHX15 PPI subnetwork
GO:0009607	response to biotic stimulus
GO:0006656	phosphatidylcholine biosynthetic process
MP:0002896	abnormal bone mineralization
ENSG00000159352	PSMD4 PPI subnetwork
MP:0001176	abnormal lung development
GO:0003013	circulatory system process
MP:0002810	microcytic anemia
GO:0008527	taste receptor activity
GO:0010906	regulation of glucose metabolic process
MP:0004358	bowed tibia
GO:0031968	organelle outer membrane
GO:0016064	immunoglobulin mediated immune response
ENSG00000115705	TPO PPI subnetwork
MP:0000788	abnormal cerebral cortex morphology
ENSG00000113360	DROSHA PPI subnetwork
GO:0006954	inflammatory response
ENSG00000100714	MTHFD1 PPI subnetwork
ENSG00000044115	CTNNA1 PPI subnetwork
GO:0045766	positive regulation of angiogenesis
GO:0034599	cellular response to oxidative stress
GO:0010470	regulation of gastrulation
ENSG00000094916	CBX5 PPI subnetwork
ENSG00000122641	INHBA PPI subnetwork
ENSG00000163541	SUCLG1 PPI subnetwork
GO:0001817	regulation of cytokine production
ENSG00000113282	CLINT1 PPI subnetwork
MP:0011089	complete perinatal lethality
REACTOME_GRB2SOS_PROVIDES_LINKAGE	REACTOME_GRB2SOS_PROVIDES_LINKAGE_TO_MAPK_SIGNA
ENSG00000124789	NUP153 PPI subnetwork
MP:0004810	decreased hematopoietic stem cell number
GO:0009310	amine catabolic process
MP:0003724	increased susceptibility to induced arthritis
GO:0008757	S-adenosylmethionine-dependent methyltransferase activity
GO:0042730	fibrinolysis
GO:0006702	androgen biosynthetic process
MP:0008539	decreased susceptibility to induced colitis
ENSG00000005844	ITGAL PPI subnetwork
GO:0010907	positive regulation of glucose metabolic process
MP:0005410	abnormal fertilization
ENSG00000137936	BCAR3 PPI subnetwork
ENSG00000172301	C17orf79 PPI subnetwork

ENSG00000115232	ITGA4 PPI subnetwork
ENSG00000134871	COL4A2 PPI subnetwork
GO:0009986	cell surface
ENSG00000109471	IL2 PPI subnetwork
GO:0016831	carboxy-lyase activity
MP:0008883	abnormal enterocyte proliferation
REACTOME_ASSOCIATION_OF_TRICCCT_WI	REACTOME_ASSOCIATION_OF_TRICCCT_WITH_TARGET_PROT
ENSG00000142507	PSMB6 PPI subnetwork
ENSG00000126562	WNK4 PPI subnetwork
ENSG00000052802	MSMO1 PPI subnetwork
GO:0051262	protein tetramerization
ENSG00000180008	SOCS4 PPI subnetwork
GO:0051260	protein homooligomerization
KEGG_PATHWAYS_IN_CANCER	KEGG_PATHWAYS_IN_CANCER
GO:0022600	digestive system process
GO:0009897	external side of plasma membrane
ENSG00000076555	ACACB PPI subnetwork
MP:0003638	abnormal response/metabolism to endogenous compounds
ENSG00000049323	LTBP1 PPI subnetwork
GO:0048185	activin binding
MP:0002356	abnormal spleen red pulp morphology
ENSG00000075413	MARK3 PPI subnetwork
ENSG00000163810	TGM4 PPI subnetwork
ENSG00000120235	IFNA6 PPI subnetwork
MP:0003054	spina bifida
ENSG00000049618	ARID1B PPI subnetwork
GO:0007565	female pregnancy
ENSG00000174175	SELP PPI subnetwork
GO:0071222	cellular response to lipopolysaccharide
ENSG00000105610	KLF1 PPI subnetwork
GO:0003707	steroid hormone receptor activity
MP:0003674	oxidative stress
MP:0008500	increased IgG2a level
ENSG00000108592	FTSJ3 PPI subnetwork
ENSG00000111537	IFNG PPI subnetwork
ENSG00000111679	PTPN6 PPI subnetwork
ENSG00000088205	DDX18 PPI subnetwork
GO:0031012	extracellular matrix
ENSG00000185621	LMLN PPI subnetwork
ENSG00000174718	C12orf35 PPI subnetwork
GO:0005605	basal lamina
ENSG00000108821	COL1A1 PPI subnetwork
ENSG00000150768	DLAT PPI subnetwork
ENSG00000071537	SEL1L PPI subnetwork
GO:0050662	coenzyme binding
ENSG00000172766	NAA16 PPI subnetwork
GO:0016634	oxidoreductase activity, acting on the CH-CH group of donors,
MP:0008597	decreased circulating interleukin-6 level
MP:0004993	decreased bone resorption
MP:0003690	abnormal glial cell physiology

GO:0005773	vacuole
ENSG00000158796	DEDD PPI subnetwork
GO:0043499	eukaryotic cell surface binding
ENSG00000119616	FCF1 PPI subnetwork
MP:0005329	abnormal myocardium layer morphology
GO:0048332	mesoderm morphogenesis
ENSG00000160208	RRP1B PPI subnetwork
GO:0004806	triglyceride lipase activity
GO:0032369	negative regulation of lipid transport
KEGG_LYSOSOME	KEGG_LYSOSOME
ENSG00000153879	CEBPG PPI subnetwork
ENSG00000175166	PSMD2 PPI subnetwork
ENSG00000175505	CLCF1 PPI subnetwork
MP:0009866	abnormal aorta wall morphology
ENSG00000170677	SOCS6 PPI subnetwork
GO:0002526	acute inflammatory response
GO:0010817	regulation of hormone levels
ENSG00000004799	PDK4 PPI subnetwork
GO:0010883	regulation of lipid storage
GO:0009063	cellular amino acid catabolic process
ENSG00000166233	ARIH1 PPI subnetwork
MP:0000230	abnormal systemic arterial blood pressure
ENSG00000001630	CYP51A1 PPI subnetwork
ENSG00000120694	HSPH1 PPI subnetwork
GO:0071496	cellular response to external stimulus
GO:0019865	immunoglobulin binding
GO:0060249	anatomical structure homeostasis
ENSG00000148296	SURF6 PPI subnetwork
ENSG00000064547	LPAR2 PPI subnetwork
MP:0009660	abnormal induced retinal neovascularization
MP:0005606	increased bleeding time
ENSG00000166949	SMAD3 PPI subnetwork
ENSG00000186318	BACE1 PPI subnetwork
GO:0008015	blood circulation
ENSG00000136999	NOV PPI subnetwork
MP:0001314	corneal opacity
GO:0071495	cellular response to endogenous stimulus
MP:0008560	increased tumor necrosis factor secretion
GO:0015924	mannosyl-oligosaccharide mannosidase activity
KEGG_DRUG_METABOLISM_OTHER_ENZYM	KEGG_DRUG_METABOLISM_OTHER_ENZYMES
ENSG00000142534	RPS11 PPI subnetwork
MP:0001239	abnormal epidermis stratum granulosum morphology
MP:0003702	abnormal chromosome morphology
GO:0006725	cellular aromatic compound metabolic process
ENSG00000132825	PPP1R3D PPI subnetwork
MP:0011348	abnormal renal glomerulus basement membrane morphology
ENSG00000113407	TARS PPI subnetwork
ENSG00000197498	RPF2 PPI subnetwork
MP:0008501	increased IgG2b level
ENSG00000167004	PDIA3 PPI subnetwork

MP:0001613	abnormal vasodilation
ENSG00000162434	JAK1 PPI subnetwork
MP:0009115	abnormal fat cell morphology
GO:0016853	isomerase activity
ENSG00000113525	IL5 PPI subnetwork
GO:0044242	cellular lipid catabolic process
MP:0003396	abnormal embryonic hematopoiesis
ENSG00000111641	NOP2 PPI subnetwork
ENSG00000075151	EIF4G3 PPI subnetwork
ENSG00000100485	SOS2 PPI subnetwork
ENSG00000176165	FOXG1 PPI subnetwork
MP:0009788	increased susceptibility to bacterial infection induced morbidit
ENSG00000164078	MST1R PPI subnetwork
GO:0005126	cytokine receptor binding
GO:0006094	gluconeogenesis
MP:0003304	large intestinal inflammation
ENSG00000135213	POM121C PPI subnetwork
GO:0015749	monosaccharide transport
GO:0000932	cytoplasmic mRNA processing body
ENSG00000141232	TOB1 PPI subnetwork
ENSG00000179409	GEMIN4 PPI subnetwork
GO:0008146	sulfotransferase activity
ENSG00000059378	PARP12 PPI subnetwork
GO:0010745	negative regulation of macrophage derived foam cell different
ENSG00000125686	MED1 PPI subnetwork
REACTOME_SEMA3A_PAK_DEPENDENT_AX	REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION
REACTOME_POST:TRANSLATIONAL_PROTEI	REACTOME_POST:TRANSLATIONAL_PROTEIN_MODIFICATION
GO:0032269	negative regulation of cellular protein metabolic process
ENSG00000114423	CBLB PPI subnetwork
GO:0070161	anchoring junction
MP:0001780	decreased brown adipose tissue amount
ENSG00000174720	LARP7 PPI subnetwork
GO:0042579	microbody
GO:0005777	peroxisome
ENSG00000143622	RIT1 PPI subnetwork
GO:0005178	integrin binding
ENSG00000107643	MAPK8 PPI subnetwork
ENSG00000105197	TIMM50 PPI subnetwork
GO:0032964	collagen biosynthetic process
MP:0001510	abnormal coat appearance
ENSG00000204435	CSNK2B PPI subnetwork
ENSG00000206300	ENSG00000206300 PPI subnetwork
ENSG00000206406	CSNK2B PPI subnetwork
ENSG00000105438	KDELR1 PPI subnetwork
ENSG00000183405	ENSG00000183405 PPI subnetwork
MP:0004796	increased anti-histone antibody level
GO:0005720	nuclear heterochromatin
GO:0040013	negative regulation of locomotion
GO:0050679	positive regulation of epithelial cell proliferation
ENSG00000100985	MMP9 PPI subnetwork

GO:0045471	response to ethanol
MP:0000410	waved hair
GO:0044275	cellular carbohydrate catabolic process
ENSG00000154162	CDH12 PPI subnetwork
ENSG00000143815	LBR PPI subnetwork
ENSG00000075388	FGF4 PPI subnetwork
GO:0009617	response to bacterium
ENSG00000165916	PSMC3 PPI subnetwork
MP:0004947	skin inflammation
GO:0050673	epithelial cell proliferation
ENSG00000172179	PRL PPI subnetwork
GO:0051707	response to other organism
ENSG00000144668	ITGA9 PPI subnetwork
MP:0002591	decreased mean corpuscular volume
ENSG00000161202	DVL3 PPI subnetwork
MP:0004231	abnormal calcium ion homeostasis
GO:0007369	gastrulation
ENSG00000070423	RNF126 PPI subnetwork
KEGG_VEGF_SIGNALING_PATHWAY	KEGG_VEGF_SIGNALING_PATHWAY
MP:0005465	abnormal T-helper 1 physiology
MP:0002275	abnormal type II pneumocyte morphology
GO:0010627	regulation of intracellular protein kinase cascade
GO:0046395	carboxylic acid catabolic process
GO:0016054	organic acid catabolic process
GO:0010950	positive regulation of endopeptidase activity
MP:0009336	increased splenocyte proliferation
GO:0015721	bile acid and bile salt transport
ENSG00000115866	DARS PPI subnetwork
GO:0001704	formation of primary germ layer
MP:0008584	photoreceptor outer segment degeneration
ENSG00000108272	DHRS11 PPI subnetwork
GO:0004745	retinol dehydrogenase activity
GO:0051289	protein homotetramerization
GO:0042379	chemokine receptor binding
ENSG00000186416	NKRF PPI subnetwork
MP:0000189	hypoglycemia
MP:0001231	abnormal epidermis stratum basale morphology
ENSG00000135862	LAMC1 PPI subnetwork
ENSG00000171855	IFNB1 PPI subnetwork
MP:0008567	decreased interferon-gamma secretion
ENSG00000138592	USP8 PPI subnetwork
ENSG00000113302	IL12B PPI subnetwork
ENSG00000099942	CRKL PPI subnetwork
ENSG00000127318	IL22 PPI subnetwork
REACTOME_METABOLISM_OF_STEROID_H(	REACTOME_METABOLISM_OF_STEROID_HORMONES_AND_V
GO:0043542	endothelial cell migration
GO:0016706	oxidoreductase activity, acting on paired donors, with incorpo
MP:0004090	abnormal sarcomere morphology
MP:0002113	abnormal skeleton development
ENSG00000107186	MPDZ PPI subnetwork

ENSG00000188976	NOC2L PPI subnetwork
ENSG00000100346	CACNA1I PPI subnetwork
ENSG00000066926	FECH PPI subnetwork
GO:0005604	basement membrane
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_KERATAN_SULF
REACTOME_TRANSMEMBRANE_TRANSPOR	REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MO
ENSG00000140009	ESR2 PPI subnetwork
GO:0030195	negative regulation of blood coagulation
GO:0048589	developmental growth
ENSG00000136045	PWP1 PPI subnetwork
GO:0019867	outer membrane
GO:0019724	B cell mediated immunity
ENSG00000103479	RBL2 PPI subnetwork
GO:0042974	retinoic acid receptor binding
REACTOME_INTERFERON_ALPHABETA_SIGI	REACTOME_INTERFERON_ALPHABETA_SIGNALING
MP:0002836	abnormal chorion morphology
MP:0001923	reduced female fertility
ENSG00000163453	IGFBP7 PPI subnetwork
ENSG00000110987	BCL7A PPI subnetwork
ENSG00000215301	DDX3X PPI subnetwork
ENSG00000124587	PEX6 PPI subnetwork
MP:0008803	abnormal placental labyrinth vasculature morphology
MP:0002344	abnormal lymph node B cell domain morphology
MP:0011088	partial neonatal lethality
MP:0002177	abnormal outer ear morphology
MP:0006108	abnormal hindbrain development
ENSG00000165525	NEMF PPI subnetwork
ENSG00000007816	ENSG00000007816 PPI subnetwork
ENSG00000141378	PTRH2 PPI subnetwork
ENSG00000165280	VCP PPI subnetwork
REACTOME_ZINC_INFLUX_INTO_CELLS_BY_	REACTOME_ZINC_INFLUX_INTO_CELLS_BY_THE_SLC39_GENE
ENSG00000167526	RPL13 PPI subnetwork
GO:0008645	hexose transport
GO:0015758	glucose transport
ENSG00000184787	UBE2G2 PPI subnetwork
MP:0005458	increased percent body fat
MP:0002357	abnormal spleen white pulp morphology
ENSG00000164692	COL1A2 PPI subnetwork
ENSG00000110330	BIRC2 PPI subnetwork
MP:0010377	abnormal gut flora balance
GO:0033002	muscle cell proliferation
ENSG00000065618	COL17A1 PPI subnetwork
REACTOME_APOPTOTIC_EXECUTION__PHA	REACTOME_APOPTOTIC_EXECUTION__PHASE
REACTOME_TRANSPORT_TO_THE_GOLGI_A	REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT
ENSG00000066044	ELAVL1 PPI subnetwork
GO:0051015	actin filament binding
MP:0001190	reddish skin
MP:0002279	abnormal diaphragm morphology
GO:0005912	adherens junction
ENSG00000185591	SP1 PPI subnetwork

MP:0005025	abnormal response to infection
MP:0002397	abnormal bone marrow morphology
ENSG00000162892	IL24 PPI subnetwork
ENSG00000164136	IL15 PPI subnetwork
ENSG00000128342	LIF PPI subnetwork
ENSG00000138684	IL21 PPI subnetwork
ENSG00000177047	IFNW1 PPI subnetwork
ENSG00000142224	IL19 PPI subnetwork
ENSG00000104432	IL7 PPI subnetwork
ENSG00000183709	IL28A PPI subnetwork
ENSG00000182393	IL29 PPI subnetwork
ENSG00000147896	IFNK PPI subnetwork
ENSG00000197110	IL28B PPI subnetwork
ENSG00000145839	IL9 PPI subnetwork
ENSG00000184995	IFNE PPI subnetwork
ENSG00000111536	IL26 PPI subnetwork
ENSG00000123416	TUBA1B PPI subnetwork
GO:0000187	activation of MAPK activity
ENSG00000172058	SERF1A PPI subnetwork
ENSG00000205572	SERF1B PPI subnetwork
ENSG00000113140	SPARC PPI subnetwork
ENSG00000183684	ALYREF PPI subnetwork
GO:0006595	polyamine metabolic process
ENSG00000072958	AP1M1 PPI subnetwork
MP:0005342	abnormal intestinal lipid absorption
ENSG00000134363	FST PPI subnetwork
ENSG00000178105	DDX10 PPI subnetwork
GO:0048608	reproductive structure development
GO:0005902	microvillus
KEGG_ARACHIDONIC_ACID_METABOLISM	KEGG_ARACHIDONIC_ACID_METABOLISM
MP:0002398	abnormal bone marrow cell morphology/development
ENSG00000123685	BATF3 PPI subnetwork
MP:0000757	herniated abdominal wall
ENSG00000131236	CAP1 PPI subnetwork
GO:0017046	peptide hormone binding
GO:0051345	positive regulation of hydrolase activity
ENSG00000186716	BCR PPI subnetwork
GO:0043535	regulation of blood vessel endothelial cell migration
GO:0046461	neutral lipid catabolic process
GO:0046464	acylglycerol catabolic process
GO:0044269	glycerol ether catabolic process
ENSG00000162337	LRP5 PPI subnetwork
MP:0000433	microcephaly
GO:0005518	collagen binding
ENSG00000179295	PTPN11 PPI subnetwork
MP:0005466	abnormal T-helper 2 physiology
ENSG00000124571	XPO5 PPI subnetwork
ENSG00000154415	PPP1R3A PPI subnetwork
ENSG00000100815	TRIP11 PPI subnetwork
ENSG00000122679	RAMP3 PPI subnetwork

ENSG00000121966	CXCR4 PPI subnetwork
GO:0008217	regulation of blood pressure
MP:0002418	increased susceptibility to viral infection
ENSG00000072849	DERL2 PPI subnetwork
MP:0001195	flaky skin
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_IN	KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION
GO:0016814	hydrolase activity, acting on carbon-nitrogen (but not peptide)
GO:0048659	smooth muscle cell proliferation
ENSG00000103942	HOMER2 PPI subnetwork
GO:0043122	regulation of I-kappaB kinase/NF-kappaB cascade
KEGG_BASAL_CELL_CARCINOMA	KEGG_BASAL_CELL_CARCINOMA
ENSG00000164167	LSM6 PPI subnetwork
MP:0001882	abnormal lactation
GO:0043123	positive regulation of I-kappaB kinase/NF-kappaB cascade
MP:0003051	curly tail
GO:0071371	cellular response to gonadotropin stimulus
GO:0046943	carboxylic acid transmembrane transporter activity
MP:0001192	scaly skin
GO:0016645	oxidoreductase activity, acting on the CH-NH group of donors
ENSG00000198646	NCOA6 PPI subnetwork
GO:0008285	negative regulation of cell proliferation
ENSG00000120705	ETF1 PPI subnetwork
GO:0010885	regulation of cholesterol storage
MP:0001191	abnormal skin condition
ENSG00000168811	IL12A PPI subnetwork
ENSG00000133935	C14orf1 PPI subnetwork
GO:0006720	isoprenoid metabolic process
GO:0016811	hydrolase activity, acting on carbon-nitrogen (but not peptide)
MP:0002411	decreased susceptibility to bacterial infection
GO:0030128	clathrin coat of endocytic vesicle
ENSG00000138448	ITGAV PPI subnetwork
GO:0043281	regulation of cysteine-type endopeptidase activity involved in
ENSG00000138413	IDH1 PPI subnetwork
ENSG00000108055	SMC3 PPI subnetwork
ENSG00000173120	KDM2A PPI subnetwork
MP:0002490	abnormal immunoglobulin level
GO:0017147	Wnt-protein binding
ENSG00000108559	NUP88 PPI subnetwork
ENSG00000173692	PSMD1 PPI subnetwork
MP:0005122	increased circulating thyroid-stimulating hormone level
ENSG00000162891	IL20 PPI subnetwork
REACTOME_UNFOLDED_PROTEIN_RESPON	REACTOME_UNFOLDED_PROTEIN_RESPONSE
ENSG00000119408	NEK6 PPI subnetwork
ENSG00000164400	CSF2 PPI subnetwork
MP:0008586	disorganized photoreceptor outer segment
ENSG00000083520	DIS3 PPI subnetwork
MP:0002362	abnormal spleen marginal zone morphology
GO:0005125	cytokine activity
ENSG00000164399	IL3 PPI subnetwork
ENSG00000180530	NRIP1 PPI subnetwork

ENSG00000103035	PSMD7 PPI subnetwork
MP:0004148	increased compact bone thickness
ENSG00000116285	ERRFI1 PPI subnetwork
ENSG00000160213	CSTB PPI subnetwork
GO:0005938	cell cortex
ENSG00000150281	CTF1 PPI subnetwork
ENSG00000211614	ENSG00000211614 PPI subnetwork
ENSG00000008083	JARID2 PPI subnetwork
ENSG00000134588	USP26 PPI subnetwork
ENSG00000143867	OSR1 PPI subnetwork
ENSG00000141447	OSBPL1A PPI subnetwork
ENSG00000129250	KIF1C PPI subnetwork
MP:0001120	abnormal uterus morphology
MP:0002135	abnormal kidney morphology
GO:0010740	positive regulation of intracellular protein kinase cascade
KEGG_PYRUVATE_METABOLISM	KEGG_PYRUVATE_METABOLISM
MP:0002957	intestinal adenocarcinoma
REACTOME_METABOLISM_OF_PROTEINS	REACTOME_METABOLISM_OF_PROTEINS
ENSG00000104969	SGTA PPI subnetwork
ENSG00000092820	EZR PPI subnetwork
REACTOME_AMINO_ACID_SYNTHESIS_AND	REACTOME_AMINO_ACID_SYNTHESIS_AND_INTERCONVERSIC
MP:0008502	increased IgG3 level
GO:0004675	transmembrane receptor protein serine/threonine kinase acti
GO:0071466	cellular response to xenobiotic stimulus
GO:0009410	response to xenobiotic stimulus
REACTOME_CHOLESTEROL_BIOSYNTHESIS	REACTOME_CHOLESTEROL_BIOSYNTHESIS
REACTOME_CYTOKINE_SIGNALING_IN_IMN	REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM
GO:0016328	lateral plasma membrane
ENSG00000117318	ID3 PPI subnetwork
ENSG00000095752	IL11 PPI subnetwork
GO:0006805	xenobiotic metabolic process
ENSG00000082898	XPO1 PPI subnetwork
ENSG00000167721	TSR1 PPI subnetwork
GO:0005811	lipid particle
GO:0034614	cellular response to reactive oxygen species
REACTOME_INTERACTIONS_OF_REV_WITH	REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_
ENSG00000151148	UBE3B PPI subnetwork
ENSG00000157227	MMP14 PPI subnetwork
MP:0002989	small kidney
ENSG00000007866	TEAD3 PPI subnetwork
ENSG00000171793	CTPS PPI subnetwork
ENSG00000140284	SLC27A2 PPI subnetwork
ENSG00000164985	PSIP1 PPI subnetwork
MP:0001541	abnormal osteoclast physiology
MP:0002090	abnormal vision
MP:0000157	abnormal sternum morphology
MP:0003718	maternal effect
ENSG00000120949	TNFRSF8 PPI subnetwork
GO:0050900	leukocyte migration
GO:0006112	energy reserve metabolic process

MP:0003924	herniated diaphragm
MP:0008034	enhanced lipolysis
MP:0003890	abnormal embryonic-extraembryonic boundary morphology
ENSG00000197943	PLCG2 PPI subnetwork
GO:0010878	cholesterol storage
ENSG00000143375	CGN PPI subnetwork
GO:0007589	body fluid secretion
GO:0051918	negative regulation of fibrinolysis
ENSG00000148082	SHC3 PPI subnetwork
ENSG00000080608	KIAA0020 PPI subnetwork
ENSG00000140332	TLE3 PPI subnetwork
ENSG00000198242	RPL23A PPI subnetwork
ENSG00000172795	DCP2 PPI subnetwork
ENSG00000177600	RPLP2 PPI subnetwork
ENSG00000140795	MYLK3 PPI subnetwork
ENSG00000070159	PTPN3 PPI subnetwork
ENSG00000135144	DTX1 PPI subnetwork
GO:0003705	RNA polymerase II distal enhancer sequence-specific DNA binc
MP:0008721	abnormal chemokine level
KEGG_PANTOTHENATE_AND_COA_BIOSYN	KEGG_PANTOTHENATE_AND_COA_BIOSYNTHESIS
GO:0032354	response to follicle-stimulating hormone stimulus
MP:0011100	complete preweaning lethality
MP:0006043	decreased apoptosis
MP:0011260	abnormal head mesenchyme morphology
ENSG00000123612	ACVR1C PPI subnetwork
ENSG00000184557	SOCS3 PPI subnetwork
MP:0001787	pericardial edema
ENSG00000196083	IL1RAP PPI subnetwork
GO:0002449	lymphocyte mediated immunity
REACTOME_GROWTH_HORMONE_RECEPT(	REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING
KEGG_ECM_RECEPTOR_INTERACTION	KEGG_ECM_RECEPTOR_INTERACTION
ENSG00000091409	ITGA6 PPI subnetwork
REACTOME_STEROID_HORMONES	REACTOME_STEROID_HORMONES
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_IRE1ALPHA
ENSG00000138798	EGF PPI subnetwork
ENSG00000147168	IL2RG PPI subnetwork
GO:0045723	positive regulation of fatty acid biosynthetic process
ENSG00000079246	XRCC5 PPI subnetwork
GO:0031903	microbody membrane
GO:0005778	peroxisomal membrane
ENSG00000119699	TGFB3 PPI subnetwork
ENSG00000067596	DHX8 PPI subnetwork
MP:0000167	decreased chondrocyte cell number
ENSG00000198677	TTC37 PPI subnetwork
ENSG00000106070	GRB10 PPI subnetwork
GO:0005635	nuclear envelope
ENSG00000002834	LASP1 PPI subnetwork
GO:0033157	regulation of intracellular protein transport
REACTOME_ANTIGEN_PRESENTATION_FOL	REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_
GO:0016903	oxidoreductase activity, acting on the aldehyde or oxo group c

ENSG00000072694	FCGR2B PPI subnetwork
GO:0006957	complement activation, alternative pathway
MP:0004771	increased anti-single stranded DNA antibody level
ENSG00000185057	ENSG00000185057 PPI subnetwork
MP:0006058	decreased cerebral infarction size
ENSG00000204590	GNL1 PPI subnetwork
ENSG00000206412	GNL1 PPI subnetwork
ENSG00000206492	GNL1 PPI subnetwork
MP:0008412	increased cellular sensitivity to oxidative stress
ENSG00000107937	GTPBP4 PPI subnetwork
GO:0002443	leukocyte mediated immunity
ENSG00000108342	CSF3 PPI subnetwork
ENSG00000134070	IRAK2 PPI subnetwork
ENSG00000159189	C1QC PPI subnetwork
GO:0051048	negative regulation of secretion
ENSG00000122965	RBM19 PPI subnetwork
GO:0050661	NADP binding
ENSG00000173545	ZNF622 PPI subnetwork
MP:0001762	polyuria
ENSG00000125835	SNRPB PPI subnetwork
ENSG00000105011	ASF1B PPI subnetwork
MP:0001891	hydroencephaly
MP:0001258	decreased body length
MP:0001211	wrinkled skin
GO:0008360	regulation of cell shape
ENSG00000175793	SFN PPI subnetwork
GO:0050795	regulation of behavior
ENSG00000011422	PLAUR PPI subnetwork
REACTOME_NUCLEAR_IMPORT_OF_REV_PI	REACTOME_NUCLEAR_IMPORT_OF_REV_PROTEIN
ENSG00000004975	DVL2 PPI subnetwork
ENSG00000137285	TUBB2B PPI subnetwork
GO:0070301	cellular response to hydrogen peroxide
GO:0016407	acetyltransferase activity
ENSG00000171681	ATF7IP PPI subnetwork
ENSG00000100380	ST13 PPI subnetwork
ENSG00000165527	ARF6 PPI subnetwork
ENSG00000206267	ENSG00000206267 PPI subnetwork
ENSG00000204351	SKIV2L PPI subnetwork
ENSG00000163811	WDR43 PPI subnetwork
GO:0035145	exon-exon junction complex
GO:0008144	drug binding
ENSG00000110944	IL23A PPI subnetwork
GO:0043296	apical junction complex
ENSG00000088247	KHSRP PPI subnetwork
ENSG00000107338	SHB PPI subnetwork
ENSG00000161057	PSMC2 PPI subnetwork
ENSG00000126749	ENSG00000126749 PPI subnetwork
ENSG00000179222	MAGED1 PPI subnetwork
ENSG00000198356	ASNA1 PPI subnetwork
REACTOME_ADHERENS_JUNCTIONS_INTER	REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS

MP:0002128	abnormal blood circulation
ENSG00000145332	KLHL8 PPI subnetwork
GO:0001664	G-protein coupled receptor binding
GO:0030055	cell-substrate junction
ENSG00000156127	BATF PPI subnetwork
MP:0003936	abnormal reproductive system development
ENSG00000099985	OSM PPI subnetwork
MP:0005562	decreased mean corpuscular hemoglobin
GO:0015923	mannosidase activity
ENSG00000068438	FTSJ1 PPI subnetwork
ENSG00000161960	EIF4A1 PPI subnetwork
ENSG00000120500	ARR3 PPI subnetwork
GO:0030027	lamellipodium
ENSG00000164683	HEY1 PPI subnetwork
ENSG00000186153	WWOX PPI subnetwork
GO:0042744	hydrogen peroxide catabolic process
ENSG00000198301	SDAD1 PPI subnetwork
GO:0005903	brush border
GO:0071383	cellular response to steroid hormone stimulus
REACTOME_PHASE_II_CONJUGATION	REACTOME_PHASE_II_CONJUGATION
ENSG00000104365	IKBKB PPI subnetwork
MP:0002754	dilated heart right ventricle
ENSG00000144218	AFF3 PPI subnetwork
MP:0001259	abnormal body weight
GO:0002697	regulation of immune effector process
GO:0032526	response to retinoic acid
ENSG00000145423	SFRP2 PPI subnetwork
ENSG00000147383	NSDHL PPI subnetwork
ENSG00000166333	ILK PPI subnetwork
MP:0003795	abnormal bone structure
ENSG00000129460	NGDN PPI subnetwork
ENSG00000198373	WWP2 PPI subnetwork
ENSG00000152518	ZFP36L2 PPI subnetwork
ENSG00000135404	CD63 PPI subnetwork
ENSG00000099341	PSMD8 PPI subnetwork
ENSG00000136149	ENSG00000136149 PPI subnetwork
ENSG00000134109	EDEM1 PPI subnetwork
GO:0001935	endothelial cell proliferation
ENSG00000130939	UBE4B PPI subnetwork
MP:0006144	increased systemic arterial systolic blood pressure
REACTOME_METABOLISM_OF_NON:CODIN	REACTOME_METABOLISM_OF_NON:CODING_RNA
REACTOME_SNRNP_ASSEMBLY	REACTOME_SNRNP_ASSEMBLY
GO:0046942	carboxylic acid transport
REACTOME_VITAMIN_B5_PANTOTHENATE_	REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM
ENSG00000196459	TRAPPC2 PPI subnetwork
ENSG00000213764	ENSG00000213764 PPI subnetwork
MP:0008844	decreased subcutaneous adipose tissue amount
ENSG00000130702	LAMA5 PPI subnetwork
KEGG_JAK_STAT_SIGNALING_PATHWAY	KEGG_JAK_STAT_SIGNALING_PATHWAY
REACTOME_REGULATION_OF_BETA:CELL_[	REACTOME_REGULATION_OF_BETA:CELL_DEVELOPMENT

ENSG00000166930	MS4A5 PPI subnetwork
ENSG00000169251	NMD3 PPI subnetwork
GO:0005342	organic acid transmembrane transporter activity
ENSG00000213949	ITGA1 PPI subnetwork
ENSG00000173511	VEGFB PPI subnetwork
ENSG00000143748	NVL PPI subnetwork
GO:0032452	histone demethylase activity
GO:0051347	positive regulation of transferase activity
MP:0003055	abnormal long bone epiphyseal plate morphology
MP:0008657	increased interleukin-1 beta secretion
ENSG00000174744	BRMS1 PPI subnetwork
ENSG00000057294	PKP2 PPI subnetwork
ENSG00000131469	RPL27 PPI subnetwork
ENSG00000196497	IPO4 PPI subnetwork
MP:0003425	abnormal optic vesicle formation
ENSG00000129682	FGF13 PPI subnetwork
MP:0010551	abnormal coronary vessel morphology
ENSG00000100811	YY1 PPI subnetwork
GO:0007173	epidermal growth factor receptor signaling pathway
GO:0050776	regulation of immune response
ENSG00000136270	TBRG4 PPI subnetwork
ENSG00000155926	SLA PPI subnetwork
ENSG00000114270	COL7A1 PPI subnetwork
MP:0002168	other aberrant phenotype
MP:0000063	decreased bone mineral density
GO:0006026	aminoglycan catabolic process
ENSG00000196943	C14orf21 PPI subnetwork
GO:0071564	npBAF complex
GO:0005643	nuclear pore
GO:0045087	innate immune response
ENSG00000100227	POLDIP3 PPI subnetwork
MP:0005165	increased susceptibility to injury
MP:0005669	increased circulating leptin level
MP:0002855	abnormal cochlear ganglion morphology
MP:0000692	small spleen
GO:0005911	cell-cell junction
KEGG_CIRCADIAN_RHYTHM_MAMMAL	KEGG_CIRCADIAN_RHYTHM_MAMMAL
ENSG00000175334	BANF1 PPI subnetwork
ENSG00000120063	GNA13 PPI subnetwork
ENSG00000198802	ENSG00000198802 PPI subnetwork
MP:0002084	abnormal developmental patterning
ENSG00000172315	TP53RK PPI subnetwork
ENSG00000104852	SNRNP70 PPI subnetwork
ENSG00000113658	SMAD5 PPI subnetwork
MP:0003723	abnormal long bone morphology
ENSG00000055044	NOP58 PPI subnetwork
ENSG00000178184	PARD6G PPI subnetwork
ENSG00000101182	PSMA7 PPI subnetwork
REACTOME_INTERFERON_SIGNALING	REACTOME_INTERFERON_SIGNALING
ENSG00000160224	AIRE PPI subnetwork

MP:0004783	abnormal cardinal vein morphology
ENSG00000094914	AAAS PPI subnetwork
GO:0032870	cellular response to hormone stimulus
MP:0004754	abnormal kidney collecting duct morphology
GO:0051222	positive regulation of protein transport
MP:0003935	abnormal craniofacial development
MP:0008127	decreased dendritic cell number
MP:0002199	abnormal brain commissure morphology
ENSG00000133104	SPG20 PPI subnetwork
GO:0008009	chemokine activity
ENSG00000119414	PPP6C PPI subnetwork
ENSG00000067533	RRP15 PPI subnetwork
ENSG00000119630	PGF PPI subnetwork
ENSG00000135069	PSAT1 PPI subnetwork
ENSG00000160007	ARHGAP35 PPI subnetwork
MP:0004678	split xiphoid process
ENSG00000136938	ANP32B PPI subnetwork
KEGG_GLYCEROLIPID_METABOLISM	KEGG_GLYCEROLIPID_METABOLISM
MP:0003733	abnormal retinal inner nuclear layer morphology
GO:0006090	pyruvate metabolic process
ENSG00000105640	RPL18A PPI subnetwork
ENSG00000205609	EIF3CL PPI subnetwork
GO:0001819	positive regulation of cytokine production
ENSG00000215292	ENSG00000215292 PPI subnetwork
ENSG00000204389	HSPA1A PPI subnetwork
ENSG00000204388	HSPA1B PPI subnetwork
ENSG00000212866	HSPA1B PPI subnetwork
ENSG00000212860	ENSG00000212860 PPI subnetwork
ENSG00000067177	PHKA1 PPI subnetwork
GO:0070988	demethylation
GO:0016126	sterol biosynthetic process
ENSG00000105220	GPI PPI subnetwork
GO:0001707	mesoderm formation
GO:0044448	cell cortex part
MP:0004418	small parietal bone
ENSG00000196498	NCOR2 PPI subnetwork
ENSG00000108344	PSMD3 PPI subnetwork
GO:0048871	multicellular organismal homeostasis
GO:0048660	regulation of smooth muscle cell proliferation
GO:0005581	collagen
MP:0001243	abnormal dermal layer morphology
MP:0004073	caudal body truncation
ENSG00000122180	MYOG PPI subnetwork
ENSG00000149357	LAMTOR1 PPI subnetwork
MP:0002705	dilated renal tubules
ENSG00000130427	EPO PPI subnetwork
GO:0016861	intramolecular oxidoreductase activity, interconverting aldose
ENSG00000158769	F11R PPI subnetwork
MP:0002499	chronic inflammation
GO:0005925	focal adhesion

MP:0005015	increased T cell number
GO:0050727	regulation of inflammatory response
MP:0004214	abnormal long bone diaphysis morphology
GO:0002064	epithelial cell development
GO:0005924	cell-substrate adherens junction
MP:0001046	abnormal enteric neuron morphology
MP:0009331	absent primitive node
GO:0004602	glutathione peroxidase activity
MP:0001685	abnormal endoderm development
GO:0050920	regulation of chemotaxis
ENSG00000113520	IL4 PPI subnetwork
GO:0050819	negative regulation of coagulation
GO:0043277	apoptotic cell clearance
MP:0005421	loose skin
ENSG00000175197	DDIT3 PPI subnetwork
KEGG_MATURITY_ONSET_DIABETES_OF_TH	KEGG_MATURITY_ONSET_DIABETES_OF_THE_YOUNG
ENSG00000182287	AP1S2 PPI subnetwork
MP:0000585	kinked tail
ENSG00000095319	NUP188 PPI subnetwork
ENSG00000185634	SHC4 PPI subnetwork
GO:0046164	alcohol catabolic process
MP:0006264	decreased systemic arterial systolic blood pressure
ENSG00000033800	PIAS1 PPI subnetwork
ENSG00000133056	PIK3C2B PPI subnetwork
ENSG00000143727	ACP1 PPI subnetwork
GO:0008170	N-methyltransferase activity
ENSG00000145425	RPS3A PPI subnetwork
KEGG_BETA_ALANINE_METABOLISM	KEGG_BETA_ALANINE_METABOLISM
GO:2001056	positive regulation of cysteine-type endopeptidase activity
GO:0043280	positive regulation of cysteine-type endopeptidase activity inv
GO:0032722	positive regulation of chemokine production
ENSG00000197170	PSMD12 PPI subnetwork
ENSG00000100030	MAPK1 PPI subnetwork
MP:0008670	decreased interleukin-12b secretion
ENSG00000120708	TGFBI PPI subnetwork
ENSG00000113569	NUP155 PPI subnetwork
ENSG00000213341	CHUK PPI subnetwork
ENSG00000104419	NDRG1 PPI subnetwork
REACTOME_ETHANOL_OXIDATION	REACTOME_ETHANOL_OXIDATION
REACTOME_ACTIVATION_OF_CHAPERONE_	REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S
ENSG00000173575	CHD2 PPI subnetwork
MP:0004946	abnormal regulatory T cell physiology
MP:0001695	abnormal gastrulation
MP:0000913	abnormal brain development
ENSG00000058262	SEC61A1 PPI subnetwork
ENSG00000163714	U2SURP PPI subnetwork
ENSG00000169306	IL1RAPL1 PPI subnetwork
MP:0000060	delayed bone ossification
ENSG00000065054	SLC9A3R2 PPI subnetwork
MP:0000116	abnormal tooth development

ENSG00000012124	CD22 PPI subnetwork
ENSG00000171863	RPS7 PPI subnetwork
ENSG00000085063	CD59 PPI subnetwork
MP:0003354	astrocytosis
ENSG00000115233	PSMD14 PPI subnetwork
ENSG00000071539	TRIP13 PPI subnetwork
ENSG00000090776	EFNB1 PPI subnetwork
REACTOME_CLASS_B2_SECRETIN_FAMILY_	REACTOME_CLASS_B2_SECRETIN_FAMILY_RECEPTORS
GO:0003382	epithelial cell morphogenesis
ENSG00000165197	FIGF PPI subnetwork
GO:0002039	p53 binding
ENSG00000121274	PAPD5 PPI subnetwork
ENSG00000148334	PTGES2 PPI subnetwork
ENSG00000182866	LCK PPI subnetwork
REACTOME_TRANSPORT_OF_GLUCOSE_AN	REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS
MP:0010763	abnormal hematopoietic stem cell physiology
ENSG00000105397	TYK2 PPI subnetwork
REACTOME_CALCITONIN:LIKE_LIGAND_REC	REACTOME_CALCITONIN:LIKE_LIGAND_RECEPTORS
ENSG00000104177	MYEF2 PPI subnetwork
ENSG00000175866	BAIAP2 PPI subnetwork
GO:0019637	organophosphate metabolic process
ENSG00000138442	WDR12 PPI subnetwork
GO:0007160	cell-matrix adhesion
MP:0010264	increased hepatoma incidence
REACTOME_GPCR_LIGAND_BINDING	REACTOME_GPCR_LIGAND_BINDING
GO:0007595	lactation
ENSG00000166401	SERPINB8 PPI subnetwork
ENSG00000106799	TGFBR1 PPI subnetwork
GO:0071900	regulation of protein serine/threonine kinase activity
GO:0010608	posttranscriptional regulation of gene expression
MP:0001326	retinal degeneration
ENSG00000181856	SLC2A4 PPI subnetwork
ENSG00000103319	EEF2K PPI subnetwork
ENSG00000080815	PSEN1 PPI subnetwork
GO:0006631	fatty acid metabolic process
ENSG00000196455	PIK3R4 PPI subnetwork
ENSG00000173418	NAA20 PPI subnetwork
MP:0005281	increased fatty acid level
ENSG00000169439	SDC2 PPI subnetwork
ENSG00000114315	HES1 PPI subnetwork
ENSG00000112290	WASF1 PPI subnetwork
ENSG00000144642	RBMS3 PPI subnetwork
KEGG_ETHER_LIPID_METABOLISM	KEGG_ETHER_LIPID_METABOLISM
MP:0010249	lactation failure
MP:0000377	abnormal hair follicle morphology
KEGG_PORPHYRIN_AND_CHLOROPHYLL_M	KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM
ENSG00000164330	EBF1 PPI subnetwork
ENSG00000103671	TRIP4 PPI subnetwork
ENSG00000147536	GINS4 PPI subnetwork
MP:0001282	short vibrissae

MP:0003402	decreased liver weight
KEGG_SULFUR_METABOLISM	KEGG_SULFUR_METABOLISM
MP:0000351	increased cell proliferation
REACTOME_ASPARAGINE_N:LINKED_GLYCC	REACTOME_ASPARAGINE_N:LINKED_GLYCOSYLATION
MP:0005026	decreased susceptibility to parasitic infection
ENSG00000173702	MUC13 PPI subnetwork
GO:0008417	fucosyltransferase activity
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
MP:0002273	abnormal pulmonary alveolus epithelial cell morphology
ENSG00000070018	LRP6 PPI subnetwork
REACTOME_ANTIGEN_PROCESSING:CROSS_	REACTOME_ANTIGEN_PROCESSING:CROSS_PRESENTATION
MP:0003932	abnormal molar crown morphology
ENSG00000066933	MYO9A PPI subnetwork
GO:0009074	aromatic amino acid family catabolic process
ENSG00000206353	SKIV2L PPI subnetwork
MP:0000042	abnormal organ of Corti morphology
GO:0006695	cholesterol biosynthetic process
ENSG00000184226	PCDH9 PPI subnetwork
KEGG_BIOSYNTHESIS_OF_UNSATURATED_F	KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS
REACTOME_N:GLYCAN_TRIMMING_IN_THE	REACTOME_N:GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEX
GO:2000116	regulation of cysteine-type endopeptidase activity
GO:0060541	respiratory system development
ENSG00000198793	MTOR PPI subnetwork
ENSG00000115170	ACVR1 PPI subnetwork
GO:0046822	regulation of nucleocytoplasmic transport
ENSG00000150630	VEGFC PPI subnetwork
GO:0010888	negative regulation of lipid storage
REACTOME_REV:MEDIATED_NUCLEAR_EXP	REACTOME_REV:MEDIATED_NUCLEAR_EXPORT_OF_HIV:1_RN
ENSG00000110799	VWF PPI subnetwork
MP:0002784	abnormal Sertoli cell morphology
GO:0050708	regulation of protein secretion
GO:0005765	lysosomal membrane
GO:0000790	nuclear chromatin
GO:0003714	transcription corepressor activity
GO:0005578	proteinaceous extracellular matrix
GO:0015849	organic acid transport
GO:0016408	C-acyltransferase activity
REACTOME_SYNTHESIS_OF_VERY_LONG:CH	REACTOME_SYNTHESIS_OF_VERY_LONG:CHAIN_FATTY_ACYL:
GO:0005024	transforming growth factor beta-activated receptor activity
MP:0008499	increased IgG1 level
GO:0009071	serine family amino acid catabolic process
ENSG00000119335	SET PPI subnetwork
MP:0004076	abnormal vitelline vascular remodeling
ENSG00000134697	GNL2 PPI subnetwork
GO:0042107	cytokine metabolic process
GO:0010874	regulation of cholesterol efflux
MP:0002098	abnormal vibrissa morphology
GO:0051051	negative regulation of transport
MP:0000470	abnormal stomach morphology
ENSG00000187514	PTMA PPI subnetwork

ENSG00000160469	BRSK1 PPI subnetwork
ENSG00000069345	DNAJA2 PPI subnetwork
ENSG00000091831	ESR1 PPI subnetwork
MP:0000166	abnormal chondrocyte morphology
MP:0003628	abnormal leukocyte adhesion
MP:0005344	increased circulating bilirubin level
GO:0043560	insulin receptor substrate binding
ENSG00000121486	TRMT1L PPI subnetwork
MP:0005221	abnormal rostral-caudal axis patterning
GO:0009069	serine family amino acid metabolic process
ENSG00000133316	WDR74 PPI subnetwork
MP:0002833	increased heart weight
ENSG00000196781	TLE1 PPI subnetwork
MP:0003311	aminoaciduria
ENSG00000206274	ENSG00000206274 PPI subnetwork
ENSG00000206383	HSPA1L PPI subnetwork
MP:0005078	abnormal cytotoxic T cell physiology
ENSG00000168298	HIST1H1E PPI subnetwork
ENSG00000117395	EBNA1BP2 PPI subnetwork
ENSG00000120690	ELF1 PPI subnetwork
ENSG00000108604	SMARCD2 PPI subnetwork
ENSG00000156675	RAB11FIP1 PPI subnetwork
KEGG_CYTOSOLIC_DNA_SENSING_PATHWA	KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
GO:0050839	cell adhesion molecule binding
REACTOME_GLYCOSPHINGOLIPID_METABC	REACTOME_GLYCOSPHINGOLIPID_METABOLISM
GO:0040014	regulation of multicellular organism growth
MP:0008722	abnormal chemokine secretion
ENSG00000126001	CEP250 PPI subnetwork
GO:0042612	MHC class I protein complex
ENSG00000176986	SEC24C PPI subnetwork
ENSG00000173566	NUDT18 PPI subnetwork
GO:0016922	ligand-dependent nuclear receptor binding
MP:0004762	increased anti-double stranded DNA antibody level
ENSG00000185637	ENSG00000185637 PPI subnetwork
MP:0000642	enlarged adrenal glands
GO:0033674	positive regulation of kinase activity
GO:0030176	integral to endoplasmic reticulum membrane
GO:0019835	cytolysis
ENSG00000092208	GEMIN2 PPI subnetwork
ENSG00000070756	PABPC1 PPI subnetwork
REACTOME_ASSEMBLY_OF_THE_PRE:REPLI	REACTOME_ASSEMBLY_OF_THE_PRE:REPLICATIVE_COMPLEX
ENSG00000112818	MEP1A PPI subnetwork
ENSG00000132603	NIP7 PPI subnetwork
MP:0009403	increased variability of skeletal muscle fiber size
GO:0043491	protein kinase B signaling cascade
REACTOME_TRANSPORT_OF_RIBONUCLEOI	REACTOME_TRANSPORT_OF_RIBONUCLEOPROTEINS_INTO_T
GO:0005160	transforming growth factor beta receptor binding
ENSG00000136813	KIAA0368 PPI subnetwork
REACTOME_NEPNS2_INTERACTS_WITH_TH	REACTOME_NEPNS2_INTERACTS_WITH_THE_CELLULAR_EXPC
ENSG00000180185	FAHD1 PPI subnetwork

KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GLOBO_SERIES
KEGG_HISTIDINE_METABOLISM	KEGG_HISTIDINE_METABOLISM
ENSG00000129757	CDKN1C PPI subnetwork
GO:0019433	triglyceride catabolic process
ENSG00000184575	XPOT PPI subnetwork
ENSG00000103152	MPG PPI subnetwork
MP:0008664	decreased interleukin-12 secretion
ENSG00000137876	RSL24D1 PPI subnetwork
ENSG00000142166	IFNAR1 PPI subnetwork
ENSG00000100726	TELO2 PPI subnetwork
GO:0005548	phospholipid transporter activity
MP:0001533	abnormal skeleton physiology
ENSG00000162552	WNT4 PPI subnetwork
MP:0000372	irregular coat pigmentation
ENSG00000128833	MYO5C PPI subnetwork
MP:0000681	abnormal thyroid gland morphology
MP:0008496	decreased IgG2a level
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULI
ENSG00000166888	STAT6 PPI subnetwork
ENSG00000075884	ARHGAP15 PPI subnetwork
GO:0003006	developmental process involved in reproduction
ENSG00000150093	ITGB1 PPI subnetwork
MP:0009146	abnormal pancreatic acinar cell morphology
GO:0090077	foam cell differentiation
GO:0010742	macrophage derived foam cell differentiation
GO:0031347	regulation of defense response
ENSG00000106125	FAM188B PPI subnetwork
REACTOME_TRANSCRIPTIONAL_REGULATIC	REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_AD
ENSG00000178896	EXOSC4 PPI subnetwork
MP:0002650	abnormal ameloblast morphology
GO:0043130	ubiquitin binding
ENSG00000164077	MON1A PPI subnetwork
GO:0010594	regulation of endothelial cell migration
GO:0046849	bone remodeling
MP:0003449	abnormal intestinal goblet cell morphology
ENSG00000175387	SMAD2 PPI subnetwork
ENSG00000100385	IL2RB PPI subnetwork
ENSG00000111707	SUDS3 PPI subnetwork
MP:0002493	increased IgG level
GO:0043627	response to estrogen stimulus
MP:0001967	deafness
MP:0001245	thick dermal layer
GO:0009064	glutamine family amino acid metabolic process
ENSG00000147507	ENSG00000147507 PPI subnetwork
MP:0004261	abnormal embryonic neuroepithelium morphology
GO:0016327	apicolateral plasma membrane
MP:0001325	abnormal retina morphology
MP:0008519	thin retinal outer plexiform layer
GO:0008305	integrin complex
GO:0043236	laminin binding

ENSG00000127329	PTPRB PPI subnetwork
ENSG00000164305	CASP3 PPI subnetwork
GO:0010632	regulation of epithelial cell migration
ENSG00000125691	RPL23 PPI subnetwork
MP:0008682	decreased interleukin-17 secretion
GO:0031668	cellular response to extracellular stimulus
MP:0000062	increased bone mineral density
ENSG00000117528	ABCD3 PPI subnetwork
MP:0004969	pale kidney
MP:0008563	decreased interferon-alpha secretion
GO:0060348	bone development
MP:0001125	abnormal oocyte morphology
REACTOME_HOST_INTERACTIONS_OF_HIV_	REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS
REACTOME_TIGHT_JUNCTION_INTERACTIO	REACTOME_TIGHT_JUNCTION_INTERACTIONS
ENSG00000140650	PMM2 PPI subnetwork
ENSG00000078808	SDF4 PPI subnetwork
ENSG00000196911	KPNA5 PPI subnetwork
GO:0006909	phagocytosis
ENSG00000155438	MKI67IP PPI subnetwork
GO:0016741	transferase activity, transferring one-carbon groups
MP:0003662	abnormal long bone epiphyseal plate proliferative zone
MP:0008566	increased interferon-gamma secretion
ENSG00000146007	ZMAT2 PPI subnetwork
ENSG00000155561	NUP205 PPI subnetwork
GO:0006919	activation of cysteine-type endopeptidase activity involved in
ENSG00000136271	DDX56 PPI subnetwork
ENSG00000133794	ARNTL PPI subnetwork
ENSG00000100138	NHP2L1 PPI subnetwork
ENSG00000014641	MDH1 PPI subnetwork
GO:0051259	protein oligomerization
MP:0005438	abnormal glycogen homeostasis
GO:0016627	oxidoreductase activity, acting on the CH-CH group of donors
ENSG00000173801	JUP PPI subnetwork
GO:0008234	cysteine-type peptidase activity
ENSG00000125731	SH2D3A PPI subnetwork
ENSG00000034693	PEX3 PPI subnetwork
ENSG00000133961	NUMB PPI subnetwork
ENSG00000167815	PRDX2 PPI subnetwork
MP:0002408	abnormal double-positive T cell morphology
ENSG00000198911	SREBF2 PPI subnetwork
ENSG00000185627	PSMD13 PPI subnetwork
GO:0030203	glycosaminoglycan metabolic process
GO:0046365	monosaccharide catabolic process
ENSG00000146950	SHROOM2 PPI subnetwork
ENSG00000135930	EIF4E2 PPI subnetwork
ENSG00000198755	RPL10A PPI subnetwork
ENSG00000129048	CCRL1 PPI subnetwork
GO:0000062	fatty-acyl-CoA binding
MP:0003954	abnormal Reichert's membrane morphology
KEGG_LEUKOCYTE_TRANSENDOTHELIAL_M	KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION

MP:0004521	abnormal cochlear hair cell stereociliary bundle morphology
MP:0002401	abnormal lymphopoiesis
MP:0011087	complete neonatal lethality
ENSG00000105639	JAK3 PPI subnetwork
ENSG00000163629	PTPN13 PPI subnetwork
ENSG00000023191	RNH1 PPI subnetwork
MP:0008561	decreased tumor necrosis factor secretion
ENSG00000073536	NLE1 PPI subnetwork
ENSG00000070061	IKBKAP PPI subnetwork
ENSG00000136937	NCBP1 PPI subnetwork
GO:0017144	drug metabolic process
GO:0032963	collagen metabolic process
ENSG00000173145	NOC3L PPI subnetwork
GO:0030863	cortical cytoskeleton
GO:0050707	regulation of cytokine secretion
GO:0048520	positive regulation of behavior
GO:0042446	hormone biosynthetic process
ENSG00000100029	PES1 PPI subnetwork
MP:0002643	poikilocytosis
ENSG00000168884	TNIP2 PPI subnetwork
ENSG00000134255	CEPT1 PPI subnetwork
MP:0005108	abnormal ulna morphology
ENSG00000137154	RPS6 PPI subnetwork
MP:0004816	abnormal class switch recombination
ENSG00000159377	PSMB4 PPI subnetwork
GO:0031331	positive regulation of cellular catabolic process
GO:0006022	aminoglycan metabolic process
REACTOME_ER:PHAGOSOME_PATHWAY	REACTOME_ER:PHAGOSOME_PATHWAY
MP:0008713	abnormal cytokine level
ENSG00000105926	MPP6 PPI subnetwork
ENSG00000072832	CRMP1 PPI subnetwork
ENSG00000104812	GYS1 PPI subnetwork
GO:0008373	sialyltransferase activity
GO:0016757	transferase activity, transferring glycosyl groups
ENSG00000177602	GSG2 PPI subnetwork
ENSG00000127445	PIN1 PPI subnetwork
ENSG00000197961	ZNF121 PPI subnetwork
REACTOME_CELL:CELL_JUNCTION_ORGANI	REACTOME_CELL:CELL_JUNCTION_ORGANIZATION
MP:0002088	abnormal embryonic growth/weight/body size
GO:0051093	negative regulation of developmental process
ENSG00000104938	CLEC4M PPI subnetwork
ENSG00000148719	DNAJB12 PPI subnetwork
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION__PF
GO:2000027	regulation of organ morphogenesis
MP:0011093	complete embryonic lethality at implantation
GO:0019203	carbohydrate phosphatase activity
GO:0050308	sugar-phosphatase activity
ENSG00000162702	ZNF281 PPI subnetwork
MP:0006413	increased T cell apoptosis
ENSG00000172216	CEBPB PPI subnetwork

GO:0007398	ectoderm development
ENSG00000112312	GMNN PPI subnetwork
MP:0001881	abnormal mammary gland physiology
MP:0001805	decreased IgG level
ENSG00000128052	KDR PPI subnetwork
ENSG00000113456	RAD1 PPI subnetwork
MP:0000714	increased thymocyte number
MP:0003606	kidney failure
GO:0001501	skeletal system development
ENSG00000108270	AATF PPI subnetwork
MP:0008973	decreased erythroid progenitor cell number
ENSG00000198478	SH3BGRL2 PPI subnetwork
ENSG00000174125	TLR1 PPI subnetwork
GO:0002683	negative regulation of immune system process
ENSG00000132356	PRKAA1 PPI subnetwork
ENSG00000011052	NME2 PPI subnetwork
GO:0031589	cell-substrate adhesion
ENSG00000120509	PDZD11 PPI subnetwork
ENSG00000134419	RPS15A PPI subnetwork
GO:0019748	secondary metabolic process
GO:0050921	positive regulation of chemotaxis
MP:0008042	abnormal NK T cell physiology
MP:0004567	decreased myocardial fiber number
MP:0008078	increased CD8-positive T cell number
ENSG00000137642	SORL1 PPI subnetwork
ENSG00000101144	BMP7 PPI subnetwork
GO:0002920	regulation of humoral immune response
KEGG_ACUTE_MYELOID_LEUKEMIA	KEGG_ACUTE_MYELOID_LEUKEMIA
GO:0032844	regulation of homeostatic process
ENSG00000124795	DEK PPI subnetwork
ENSG00000147145	LPAR4 PPI subnetwork
MP:0003634	abnormal glial cell morphology
ENSG00000160712	IL6R PPI subnetwork
GO:0044259	multicellular organismal macromolecule metabolic process
ENSG00000187741	FANCA PPI subnetwork
MP:0008082	increased single-positive T cell number
KEGG_BLADDER_CANCER	KEGG_BLADDER_CANCER
ENSG00000135097	MSI1 PPI subnetwork
MP:0003400	kinked neural tube
ENSG00000117335	CD46 PPI subnetwork
KEGG_PROPANOATE_METABOLISM	KEGG_PROPANOATE_METABOLISM
ENSG00000033327	GAB2 PPI subnetwork
MP:0005087	decreased acute inflammation
MP:0004989	decreased osteoblast cell number
ENSG00000112715	VEGFA PPI subnetwork
ENSG00000134759	ELP2 PPI subnetwork
ENSG00000183117	CSMD1 PPI subnetwork
REACTOME_MRNA_PROCESSING	REACTOME_MRNA_PROCESSING
GO:0090130	tissue migration
GO:0032868	response to insulin stimulus

MP:0002842	increased systemic arterial blood pressure
GO:0002685	regulation of leukocyte migration
ENSG00000091140	DLD PPI subnetwork
GO:0046777	protein autophosphorylation
MP:0004014	abnormal uterine environment
GO:0016101	diterpenoid metabolic process
MP:0003703	abnormal vestibulocochlear ganglion morphology
REACTOME_NEF:MEDIATES_DOWN_MODU	REACTOME_NEF:MEDIATES_DOWN_MODULATION_OF_CELL_
ENSG00000174989	FBXW8 PPI subnetwork
ENSG00000148303	RPL7A PPI subnetwork
GO:0006766	vitamin metabolic process
MP:0011094	complete embryonic lethality before implantation
GO:0034374	low-density lipoprotein particle remodeling
ENSG00000005884	ITGA3 PPI subnetwork
REACTOME_A_THIRD_PROTEOLYTIC_CLEAV	REACTOME_A_THIRD_PROTEOLYTIC_CLEAVAGE_RELEASES_N
ENSG00000130589	RP4-697K14.7 PPI subnetwork
REACTOME_PECAM1_INTERACTIONS	REACTOME_PECAM1_INTERACTIONS
MP:0003205	testicular atrophy
GO:0060191	regulation of lipase activity
MP:0001874	acanthosis
MP:0005592	abnormal vascular smooth muscle morphology
ENSG00000147140	NONO PPI subnetwork
REACTOME_DNA_REPLICATION_PRE:INITIA	REACTOME_DNA_REPLICATION_PRE:INITIATION
REACTOME_MG1_TRANSITION	REACTOME_MG1_TRANSITION
GO:0000975	regulatory region DNA binding
GO:0001067	regulatory region nucleic acid binding
GO:0019319	hexose biosynthetic process
GO:0046625	sphingolipid binding
MP:0008688	decreased interleukin-2 secretion
MP:0008700	decreased interleukin-4 secretion
GO:0008083	growth factor activity
ENSG00000118965	WDR35 PPI subnetwork
GO:0006776	vitamin A metabolic process
ENSG00000163486	SRGAP2 PPI subnetwork
MP:0000087	absent mandible
ENSG00000174748	RPL15 PPI subnetwork
ENSG00000204673	AKT1S1 PPI subnetwork
MP:0001219	thick epidermis
ENSG00000119953	SMNDC1 PPI subnetwork
ENSG00000165516	KLHDC2 PPI subnetwork
KEGG_AXON_GUIDANCE	KEGG_AXON_GUIDANCE
ENSG00000213024	NUP62 PPI subnetwork
GO:0042312	regulation of vasodilation
ENSG00000077150	NFKB2 PPI subnetwork
ENSG00000182093	WRB PPI subnetwork
MP:0002258	abnormal cricoid cartilage morphology
GO:0016500	protein-hormone receptor activity
GO:0031253	cell projection membrane
ENSG00000116754	SRSF11 PPI subnetwork
ENSG00000099308	MAST3 PPI subnetwork

ENSG00000145431	PDGFC PPI subnetwork
ENSG00000170962	PDGFD PPI subnetwork
GO:0055037	recycling endosome
ENSG00000121552	CSTA PPI subnetwork
ENSG00000164105	SAP30 PPI subnetwork
MP:0000547	short limbs
GO:0050840	extracellular matrix binding
REACTOME_AMYLOIDS	REACTOME_AMYLOIDS
ENSG00000134352	IL6ST PPI subnetwork
GO:0005741	mitochondrial outer membrane
ENSG00000086598	TMED2 PPI subnetwork
GO:0008406	gonad development
GO:0006536	glutamate metabolic process
GO:0002922	positive regulation of humoral immune response
GO:0048732	gland development
GO:0002576	platelet degranulation
ENSG00000104856	RELB PPI subnetwork
MP:0008033	impaired lipolysis
MP:0004837	abnormal neural fold formation
ENSG00000110955	ATP5B PPI subnetwork
MP:0000364	abnormal vascular regression
MP:0002740	heart hypoplasia
ENSG00000119888	EPCAM PPI subnetwork
MP:0000848	abnormal pons morphology
GO:0006509	membrane protein ectodomain proteolysis
MP:0000188	abnormal circulating glucose level
GO:0005326	neurotransmitter transporter activity
GO:0060341	regulation of cellular localization
GO:0005179	hormone activity
ENSG00000172780	RAB43 PPI subnetwork
ENSG00000206212	ENSG00000206212 PPI subnetwork
ENSG00000182498	ENSG00000182498 PPI subnetwork
ENSG00000096150	RPS18 PPI subnetwork
ENSG00000139505	MTMR6 PPI subnetwork
ENSG00000089048	ESF1 PPI subnetwork
ENSG00000175575	PAAF1 PPI subnetwork
GO:0030141	secretory granule
ENSG00000013275	PSMC4 PPI subnetwork
MP:0002270	abnormal pulmonary alveolus morphology
ENSG00000101343	CRNKL1 PPI subnetwork
GO:0006790	sulfur compound metabolic process
ENSG00000116750	UCHL5 PPI subnetwork
GO:0051591	response to cAMP
GO:0001938	positive regulation of endothelial cell proliferation
ENSG00000205022	PABPN1L PPI subnetwork
MP:0003215	renal interstitial fibrosis
KEGG_GLYCOLYSIS_GLUCONEOGENESIS	KEGG_GLYCOLYSIS_GLUCONEOGENESIS
REACTOME_STABILIZATION_OF_P53	REACTOME_STABILIZATION_OF_P53
ENSG00000164346	NSA2 PPI subnetwork
GO:0043256	laminin complex

GO:0005003	ephrin receptor activity
MP:0002663	failure to form blastocele
ENSG00000196549	MME PPI subnetwork
ENSG00000174485	DENND4A PPI subnetwork
ENSG00000176273	SLC35G1 PPI subnetwork
ENSG00000115685	PPP1R7 PPI subnetwork
ENSG00000171094	ALK PPI subnetwork
MP:0002417	abnormal megakaryocyte morphology
ENSG00000172172	MRPL13 PPI subnetwork
ENSG00000123836	PFKFB2 PPI subnetwork
MP:0002001	blindness
ENSG00000109458	GAB1 PPI subnetwork
MP:0000443	abnormal snout morphology
REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_	REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE
GO:0031490	chromatin DNA binding
GO:0071902	positive regulation of protein serine/threonine kinase activity
GO:0042737	drug catabolic process
ENSG00000128692	ENSG00000128692 PPI subnetwork
ENSG00000162692	VCAM1 PPI subnetwork
ENSG00000215328	HSPA1A PPI subnetwork
MP:0005058	abnormal lysosome morphology
ENSG00000095380	NANS PPI subnetwork
REACTOME_TRANSPORT_OF_MATURE_TRA	REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYT(
ENSG00000180855	ZNF443 PPI subnetwork
MP:0002123	abnormal hematopoiesis
ENSG00000198231	DDX42 PPI subnetwork
ENSG00000146701	MDH2 PPI subnetwork
GO:0042306	regulation of protein import into nucleus
ENSG00000128739	SNRPN PPI subnetwork
ENSG00000114739	ACVR2B PPI subnetwork
ENSG00000114867	EIF4G1 PPI subnetwork
GO:0044212	transcription regulatory region DNA binding
GO:0031272	regulation of pseudopodium assembly
ENSG00000173530	TNFRSF10D PPI subnetwork
GO:0033762	response to glucagon stimulus
ENSG00000141506	PIK3R5 PPI subnetwork
GO:0042542	response to hydrogen peroxide
GO:0042558	pteridine-containing compound metabolic process
ENSG00000110107	PRPF19 PPI subnetwork
GO:0019320	hexose catabolic process
ENSG00000123384	LRP1 PPI subnetwork
ENSG00000182492	BGN PPI subnetwork
MP:0004686	decreased length of long bones
ENSG00000206505	HLA-A PPI subnetwork
ENSG00000143106	PSMA5 PPI subnetwork
MP:0003910	decreased eating behavior
GO:0030132	clathrin coat of coated pit
ENSG00000055332	EIF2AK2 PPI subnetwork
ENSG00000117400	MPL PPI subnetwork
ENSG00000070882	OSBPL3 PPI subnetwork

MP:0000750	abnormal muscle regeneration
GO:0045429	positive regulation of nitric oxide biosynthetic process
ENSG00000116030	SUMO1 PPI subnetwork
ENSG00000009790	TRAF3IP3 PPI subnetwork
MP:0008965	increased basal metabolism
ENSG00000168374	ARF4 PPI subnetwork
ENSG00000122884	P4HA1 PPI subnetwork
ENSG00000136111	TBC1D4 PPI subnetwork
REACTOME_VPR:MEDIATED_NUCLEAR_IMF	REACTOME_VPR:MEDIATED_NUCLEAR_IMPORT_OF_PICS
ENSG00000107560	RAB11FIP2 PPI subnetwork
GO:0006109	regulation of carbohydrate metabolic process
ENSG00000167088	SNRPD1 PPI subnetwork
GO:0016620	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000137497	NUMA1 PPI subnetwork
REACTOME_TOLL_RECEPTOR_CASCADES	REACTOME_TOLL_RECEPTOR_CASCADES
REACTOME_G1S_DNA_DAMAGE_CHECKPO	REACTOME_G1S_DNA_DAMAGE_CHECKPOINTS
GO:0006775	fat-soluble vitamin metabolic process
MP:0001134	absent corpus luteum
ENSG00000130669	PAK4 PPI subnetwork
MP:0010024	increased total body fat amount
MP:0002233	abnormal nose morphology
ENSG00000136352	NKX2-1 PPI subnetwork
MP:0003809	abnormal hair shaft morphology
ENSG00000100567	PSMA3 PPI subnetwork
REACTOME_CROSS:PRESENTATION_OF_SOI	REACTOME_CROSS:PRESENTATION_OF_SOLUBLE_EXOGENOU
ENSG00000137709	POU2F3 PPI subnetwork
MP:0004096	abnormal midbrain-hindbrain boundary development
MP:0005006	abnormal osteoblast physiology
REACTOME_P53:INDEPENDENT_DNA_DAM	REACTOME_P53:INDEPENDENT_DNA_DAMAGE_RESPONSE
REACTOME_P53:INDEPENDENT_G1S_DNA_	REACTOME_P53:INDEPENDENT_G1S_DNA_DAMAGE_CHECKP
REACTOME_UBIQUITIN_MEDIATED_DEGRA	REACTOME_UBIQUITIN_MEDIATED_DEGRADATION_OF_PHOS
ENSG00000143226	FCGR2A PPI subnetwork
GO:0070528	protein kinase C signaling cascade
ENSG00000100316	RPL3 PPI subnetwork
MP:0003156	abnormal leukocyte migration
REACTOME_METABOLISM_OF_RNA	REACTOME_METABOLISM_OF_RNA
GO:0010743	regulation of macrophage derived foam cell differentiation
GO:0000097	sulfur amino acid biosynthetic process
GO:0030864	cortical actin cytoskeleton
MP:0005167	abnormal blood-brain barrier function
ENSG00000138835	RGS3 PPI subnetwork
ENSG00000184363	PKP3 PPI subnetwork
GO:0006633	fatty acid biosynthetic process
ENSG00000188229	TUBB4B PPI subnetwork
GO:0030879	mammary gland development
MP:0002651	abnormal sciatic nerve morphology
ENSG00000104626	ERI1 PPI subnetwork
ENSG00000002745	WNT16 PPI subnetwork
ENSG00000165912	PACSIN3 PPI subnetwork
ENSG00000172531	PPP1CA PPI subnetwork

REACTOME_AMINO_ACID_AND_OLIGOPEP	REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSP
ENSG00000182117	NOP10 PPI subnetwork
ENSG00000076928	ARHGEF1 PPI subnetwork
MP:0005551	abnormal eye electrophysiology
REACTOME_GAP_JUNCTION_TRAFFICKING	REACTOME_GAP_JUNCTION_TRAFFICKING
MP:0005670	abnormal white adipose tissue physiology
MP:0000069	kyphoscoliosis
GO:0061035	regulation of cartilage development
MP:0010254	nuclear cataracts
ENSG00000106636	YKT6 PPI subnetwork
ENSG00000154143	PANX3 PPI subnetwork
GO:0031301	integral to organelle membrane
GO:0022624	proteasome accessory complex
ENSG00000123064	DDX54 PPI subnetwork
ENSG00000197892	KIF13B PPI subnetwork
MP:0000550	abnormal forelimb morphology
MP:0003130	anal atresia
GO:0030855	epithelial cell differentiation
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
GO:0040008	regulation of growth
MP:0000149	abnormal scapula morphology
KEGG_PROTEASOME	KEGG_PROTEASOME
REACTOME_REGULATION_OF_MRNA_STAB	REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEIN
GO:0018212	peptidyl-tyrosine modification
REACTOME_SIGNALING_BY_VEGF	REACTOME_SIGNALING_BY_VEGF
REACTOME_VEGF_LIGAND:RECEPTOR_INTE	REACTOME_VEGF_LIGAND:RECEPTOR_INTERACTIONS
GO:0002687	positive regulation of leukocyte migration
ENSG00000138771	SHROOM3 PPI subnetwork
ENSG00000116478	HDAC1 PPI subnetwork
GO:0030897	HOPS complex
REACTOME_CALNEXINCALRETICULIN_CYCLI	REACTOME_CALNEXINCALRETICULIN_CYCLE
REACTOME_P53:DEPENDENT_G1_DNA_DA	REACTOME_P53:DEPENDENT_G1_DNA_DAMAGE_RESPONSE
REACTOME_P53:DEPENDENT_G1S_DNA_D/	REACTOME_P53:DEPENDENT_G1S_DNA_DAMAGE_CHECKPOI
MP:0001847	brain inflammation
GO:0016614	oxidoreductase activity, acting on CH-OH group of donors
ENSG00000169031	COL4A3 PPI subnetwork
GO:0016835	carbon-oxygen lyase activity
ENSG00000115594	IL1R1 PPI subnetwork
ENSG00000047315	POLR2B PPI subnetwork
ENSG00000111445	RFC5 PPI subnetwork
GO:0042089	cytokine biosynthetic process
MP:0002731	megacolon
MP:0008451	retinal rod cell degeneration
ENSG00000169429	IL8 PPI subnetwork
ENSG00000166710	B2M PPI subnetwork
ENSG00000170759	KIF5B PPI subnetwork
MP:0003453	abnormal keratinocyte physiology
GO:0002684	positive regulation of immune system process
ENSG00000100632	ERH PPI subnetwork
GO:0006979	response to oxidative stress

ENSG00000196411	EPHB4 PPI subnetwork
GO:0071345	cellular response to cytokine stimulus
MP:0003131	increased erythrocyte cell number
ENSG00000116678	LEPR PPI subnetwork
ENSG00000168291	PDHB PPI subnetwork
ENSG00000152818	UTRN PPI subnetwork
ENSG00000171497	PPID PPI subnetwork
ENSG00000215769	ENSG00000215769 PPI subnetwork
ENSG00000182481	KPNA2 PPI subnetwork
MP:0004819	decreased skeletal muscle mass
GO:0042800	histone methyltransferase activity (H3-K4 specific)
ENSG00000170889	RPS9 PPI subnetwork
KEGG_TERPENOID_BACKBONE_BIOSYNTHE	KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS
KEGG_PHENYLALANINE_METABOLISM	KEGG_PHENYLALANINE_METABOLISM
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
GO:0035295	tube development
ENSG00000132432	SEC61G PPI subnetwork
GO:0060759	regulation of response to cytokine stimulus
ENSG00000073792	IGF2BP2 PPI subnetwork
MP:0000511	abnormal intestinal mucosa morphology
ENSG00000134882	UBAC2 PPI subnetwork
MP:0000787	abnormal telencephalon morphology
ENSG00000152147	GEMIN6 PPI subnetwork
GO:0005161	platelet-derived growth factor receptor binding
MP:0005558	decreased creatinine clearance
ENSG00000196396	PTPN1 PPI subnetwork
GO:0006730	one-carbon metabolic process
GO:0015850	organic alcohol transport
ENSG00000175084	DES PPI subnetwork
REACTOME_AUTODEGRADATION_OF_THE_	REACTOME_AUTODEGRADATION_OF_THE_E3_UBIQUITIN_LIC
GO:0007498	mesoderm development
MP:0008396	abnormal osteoclast differentiation
GO:0044437	vacuolar part
ENSG00000102241	HTATSF1 PPI subnetwork
REACTOME_AUTODEGRADATION_OF_CDH1	REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1APCC
KEGG_TGF_BETA_SIGNALING_PATHWAY	KEGG_TGF_BETA_SIGNALING_PATHWAY
GO:0030175	filopodium
ENSG00000113810	SMC4 PPI subnetwork
MP:0000333	decreased bone marrow cell number
MP:0002020	increased tumor incidence
ENSG00000130985	UBA1 PPI subnetwork
GO:0004709	MAP kinase kinase kinase activity
ENSG00000119535	CSF3R PPI subnetwork
ENSG00000140939	NOL3 PPI subnetwork
ENSG00000135218	CD36 PPI subnetwork
MP:0001544	abnormal cardiovascular system physiology
ENSG00000188313	PLSCR1 PPI subnetwork
ENSG00000130024	PHF10 PPI subnetwork
GO:0071941	nitrogen cycle metabolic process
GO:0001523	retinoid metabolic process

ENSG00000163823	CCR1 PPI subnetwork
REACTOME_SIGNALING_BY_INTERLEUKINS	REACTOME_SIGNALING_BY_INTERLEUKINS
MP:0003383	abnormal gluconeogenesis
ENSG00000114686	MRPL3 PPI subnetwork
ENSG00000117266	CDK18 PPI subnetwork
GO:0050678	regulation of epithelial cell proliferation
GO:0034097	response to cytokine stimulus
MP:0001152	Leydig cell hyperplasia
ENSG00000116213	WRAP73 PPI subnetwork
MP:0000662	abnormal branching of the mammary ductal tree
MP:0005517	decreased liver regeneration
MP:0011346	renal tubule atrophy
ENSG00000125084	WNT1 PPI subnetwork
MP:0006082	CNS inflammation
GO:0045177	apical part of cell
ENSG00000164329	PAPD4 PPI subnetwork
MP:0002971	abnormal brown adipose tissue morphology
ENSG00000171490	RSL1D1 PPI subnetwork
MP:0006126	abnormal outflow tract development
MP:0000416	sparse hair
ENSG00000169217	CD2BP2 PPI subnetwork
MP:0003014	abnormal kidney medulla morphology
ENSG00000160310	PRMT2 PPI subnetwork
ENSG00000161395	PGAP3 PPI subnetwork
MP:0009009	absent estrous cycle
MP:0000336	decreased mast cell number
ENSG00000147955	SIGMAR1 PPI subnetwork
ENSG00000146535	GNA12 PPI subnetwork
ENSG00000062038	CDH3 PPI subnetwork
ENSG00000163956	LRPAP1 PPI subnetwork
ENSG00000171608	PIK3CD PPI subnetwork
MP:0010300	increased skin tumor incidence
ENSG00000053372	MRTO4 PPI subnetwork
ENSG00000083845	RPS5 PPI subnetwork
REACTOME_REGULATION_OF_DNA_REPLIC	REACTOME_REGULATION_OF_DNA_REPLICATION
ENSG00000099250	NRP1 PPI subnetwork
MP:0005103	abnormal retinal pigmentation
ENSG00000162928	PEX13 PPI subnetwork
ENSG00000167085	PHB PPI subnetwork
ENSG00000184270	HIST2H2AB PPI subnetwork
GO:0010675	regulation of cellular carbohydrate metabolic process
REACTOME_TERMINATION_OF_O:GLYCAN_	REACTOME_TERMINATION_OF_O:GLYCAN_BIOSYNTHESIS
ENSG00000182578	CSF1R PPI subnetwork
ENSG00000145675	PIK3R1 PPI subnetwork
MP:0000611	jaundice
REACTOME_SPHINGOLIPID_METABOLISM	REACTOME_SPHINGOLIPID_METABOLISM
ENSG00000215778	ENSG00000215778 PPI subnetwork
ENSG00000160791	CCR5 PPI subnetwork
ENSG00000102010	BMX PPI subnetwork
ENSG00000132424	PNISR PPI subnetwork

MP:0004765	decreased brainstem auditory evoked potential
GO:0031526	brush border membrane
ENSG00000159110	IFNAR2 PPI subnetwork
GO:0032587	ruffle membrane
MP:0011104	partial embryonic lethality before implantation
REACTOME_EXPORT_OF_VIRAL_RIBONUCL	REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FRON
REACTOME_GAP_JUNCTION_TRAFFICKING_	REACTOME_GAP_JUNCTION_TRAFFICKING_AND_REGULATION
ENSG00000141968	VAV1 PPI subnetwork
ENSG00000087088	BAX PPI subnetwork
MP:0000952	abnormal CNS glial cell morphology
GO:0070160	occluding junction
GO:0005923	tight junction
ENSG00000111602	TIMELESS PPI subnetwork
MP:0008135	small Peyer's patches
GO:0009309	amine biosynthetic process
GO:0044445	cytosolic part
GO:0044236	multicellular organismal metabolic process
GO:0016779	nucleotidyltransferase activity
GO:0001772	immunological synapse
ENSG00000101557	USP14 PPI subnetwork
ENSG00000139219	COL2A1 PPI subnetwork
GO:0005072	transforming growth factor beta receptor, cytoplasmic mediat
ENSG00000007174	DNAH9 PPI subnetwork
ENSG00000141646	SMAD4 PPI subnetwork
KEGG_HEMATOPOIETIC_CELL_LINEAGE	KEGG_HEMATOPOIETIC_CELL_LINEAGE
ENSG00000063438	AHRR PPI subnetwork
MP:0001859	kidney inflammation
GO:0046209	nitric oxide metabolic process
REACTOME_UBIQUITIN:DEPENDENT_DEGR	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
REACTOME_UBIQUITIN:DEPENDENT_DEGR	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
ENSG00000096063	SRPK1 PPI subnetwork
GO:0030097	hemopoiesis
ENSG00000142657	PGD PPI subnetwork
GO:0008207	C21-steroid hormone metabolic process
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRON:CONTAINING_
GO:0051928	positive regulation of calcium ion transport
ENSG00000104332	SFRP1 PPI subnetwork
ENSG00000120057	SFRP5 PPI subnetwork
ENSG00000106483	SFRP4 PPI subnetwork
MP:0004933	abnormal epididymis epithelium morphology
ENSG00000142453	CARM1 PPI subnetwork
ENSG00000197586	ENTPD6 PPI subnetwork
ENSG00000072952	MRVI1 PPI subnetwork
GO:0015936	coenzyme A metabolic process
ENSG00000164597	COG5 PPI subnetwork
GO:0005100	Rho GTPase activator activity
ENSG00000164867	NOS3 PPI subnetwork
GO:0007548	sex differentiation
ENSG00000151748	SAV1 PPI subnetwork
ENSG00000137486	ARRB1 PPI subnetwork

GO:0032602	chemokine production
ENSG00000113594	LIFR PPI subnetwork
ENSG00000114737	CISH PPI subnetwork
GO:0032182	small conjugating protein binding
MP:0002831	absent Peyer's patches
ENSG00000137807	KIF23 PPI subnetwork
GO:0051186	cofactor metabolic process
MP:0000703	abnormal thymus morphology
GO:0000302	response to reactive oxygen species
REACTOME_TRAF3:DEPENDENT_IRF_ACTIV	REACTOME_TRAF3:DEPENDENT_IRF_ACTIVATION_PATHWAY
ENSG00000110651	CD81 PPI subnetwork
MP:0011506	glomerular crescent
GO:0043603	cellular amide metabolic process
REACTOME_PROTEIN_FOLDING	REACTOME_PROTEIN_FOLDING
ENSG00000092199	HNRNPC PPI subnetwork
GO:0004091	carboxylesterase activity
ENSG00000087266	SH3BP2 PPI subnetwork
MP:0005222	abnormal somite size
MP:0004180	failure of initiation of embryo turning
ENSG00000171403	KRT9 PPI subnetwork
KEGG_ONE_CARBON_POOL_BY_FOLATE	KEGG_ONE_CARBON_POOL_BY_FOLATE
ENSG00000163520	FBLN2 PPI subnetwork
MP:0001286	abnormal eye development
ENSG00000170522	ELOVL6 PPI subnetwork
MP:0001236	abnormal epidermis stratum spinosum morphology
REACTOME_INTRINSIC_PATHWAY_FOR_AP	REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
GO:0046165	alcohol biosynthetic process
GO:0031256	leading edge membrane
MP:0004028	chromosome breakage
GO:0044433	cytoplasmic vesicle part
ENSG00000169398	PTK2 PPI subnetwork
GO:0004521	endoribonuclease activity
ENSG00000011465	DCN PPI subnetwork
ENSG00000132382	MYBBP1A PPI subnetwork
ENSG00000179151	EDC3 PPI subnetwork
ENSG00000136244	IL6 PPI subnetwork
GO:0070613	regulation of protein processing
MP:0003627	abnormal leukocyte tethering or rolling
GO:0016836	hydro-lyase activity
ENSG00000169813	HNRNPF PPI subnetwork
ENSG00000111875	ASF1A PPI subnetwork
ENSG00000134460	IL2RA PPI subnetwork
GO:0046364	monosaccharide biosynthetic process
ENSG00000198824	CHAMP1 PPI subnetwork
GO:0035337	fatty-acyl-CoA metabolic process
GO:0046949	fatty-acyl-CoA biosynthetic process
REACTOME_REGULATION_OF_ORNITHINE_	REACTOME_REGULATION_OF_ORNITHINE_DECARBOXYLASE_(
ENSG00000132005	RFX1 PPI subnetwork
ENSG00000126226	PCID2 PPI subnetwork
ENSG00000014216	CAPN1 PPI subnetwork

GO:0048534	hemopoietic or lymphoid organ development
ENSG00000162191	UBXN1 PPI subnetwork
ENSG00000170581	STAT2 PPI subnetwork
MP:0005464	abnormal platelet physiology
GO:0007265	Ras protein signal transduction
ENSG00000096717	SIRT1 PPI subnetwork
ENSG00000006062	MAP3K14 PPI subnetwork
MP:0008102	lymph node hyperplasia
ENSG00000117713	ARID1A PPI subnetwork
ENSG00000164244	PRRC1 PPI subnetwork
MP:0008140	podocyte foot process effacement
ENSG00000081052	COL4A4 PPI subnetwork
GO:0010035	response to inorganic substance
GO:0009894	regulation of catabolic process
ENSG00000166986	MARS PPI subnetwork
REACTOME_METAL_ION_SLC_TRANSPORTE	REACTOME_METAL_ION_SLC_TRANSPORTERS
ENSG00000149273	RPS3 PPI subnetwork
MP:0003731	abnormal retinal outer nuclear layer morphology
ENSG00000125991	ERGIC3 PPI subnetwork
ENSG00000139496	NUPL1 PPI subnetwork
ENSG00000115484	CCT4 PPI subnetwork
MP:0000074	abnormal neurocranium morphology
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_
ENSG00000167658	EEF2 PPI subnetwork
ENSG00000103089	FA2H PPI subnetwork
MP:0000432	abnormal head morphology
GO:0010001	glial cell differentiation
ENSG00000155380	SLC16A1 PPI subnetwork
GO:0032933	SREBP-mediated signaling pathway
ENSG00000205937	RNPS1 PPI subnetwork
GO:0009595	detection of biotic stimulus
ENSG00000143947	RPS27A PPI subnetwork
REACTOME_SCFSKP2:MEDIATED_DEGRADA	REACTOME_SCFSKP2:MEDIATED_DEGRADATION_OF_P27P21
MP:0008565	decreased interferon-beta secretion
MP:0000939	decreased motor neuron number
REACTOME_CDK:MEDIATED_PHOSPHORYL/	REACTOME_CDK:MEDIATED_PHOSPHORYLATION_AND_REMC
ENSG00000154764	WNT7A PPI subnetwork
GO:0045860	positive regulation of protein kinase activity
KEGG_N_GLYCAN_BIOSYNTHESIS	KEGG_N_GLYCAN_BIOSYNTHESIS
ENSG00000130396	MLLT4 PPI subnetwork
ENSG00000102225	CDK16 PPI subnetwork
GO:0002467	germinal center formation
MP:0001601	abnormal myelopoiesis
MP:0000245	abnormal erythropoiesis
ENSG00000072501	SMC1A PPI subnetwork
ENSG00000076604	TRAF4 PPI subnetwork
MP:0003409	decreased width of hypertrophic chondrocyte zone
ENSG00000171311	EXOSC1 PPI subnetwork
ENSG00000143850	PLEKHA6 PPI subnetwork
MP:0004272	abnormal basement membrane morphology

MP:0000559	abnormal femur morphology
MP:0004966	abnormal inner cell mass proliferation
MP:0001402	hypoactivity
MP:0003974	abnormal endocardium morphology
MP:0004047	abnormal milk composition
GO:0046915	transition metal ion transmembrane transporter activity
REACTOME_INTEGRATION_OF_ENERGY_MI	REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
ENSG00000181163	NPM1 PPI subnetwork
ENSG00000095261	PSMD5 PPI subnetwork
GO:0009791	post-embryonic development
MP:0002494	increased IgM level
ENSG00000102882	MAPK3 PPI subnetwork
GO:0004386	helicase activity
ENSG00000204175	GPRIN2 PPI subnetwork
GO:0071855	neuropeptide receptor binding
ENSG00000105135	ILVBL PPI subnetwork
ENSG00000175333	ENSG00000175333 PPI subnetwork
ENSG00000101146	RAE1 PPI subnetwork
MP:0010868	increased bone trabecula number
ENSG00000164134	NAA15 PPI subnetwork
ENSG00000137574	TGS1 PPI subnetwork
ENSG00000168497	SDPR PPI subnetwork
MP:0008658	decreased interleukin-1 beta secretion
MP:0003048	abnormal cervical vertebrae morphology
MP:0003938	abnormal ear development
MP:0003797	abnormal compact bone morphology
MP:0008115	abnormal dendritic cell differentiation
ENSG00000102144	PGK1 PPI subnetwork
ENSG00000104833	TUBB4A PPI subnetwork
ENSG00000197045	GMFB PPI subnetwork
GO:0006096	glycolysis
MP:0004505	decreased renal glomerulus number
ENSG00000114030	KPNA1 PPI subnetwork
ENSG00000011243	AKAP8L PPI subnetwork
GO:0001658	branching involved in ureteric bud morphogenesis
ENSG00000198788	MUC2 PPI subnetwork
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNAS_DERIVED_FRO
ENSG00000186852	ENSG00000186852 PPI subnetwork
ENSG00000113916	BCL6 PPI subnetwork
GO:0032321	positive regulation of Rho GTPase activity
GO:0004198	calcium-dependent cysteine-type endopeptidase activity
ENSG00000177455	CD19 PPI subnetwork
MP:0000462	abnormal digestive system morphology
GO:0004549	tRNA-specific ribonuclease activity
GO:0005667	transcription factor complex
ENSG00000131759	RARA PPI subnetwork
GO:0016616	oxidoreductase activity, acting on the CH-OH group of donors,
ENSG00000091127	PUS7 PPI subnetwork
GO:0030324	lung development
GO:0005275	amine transmembrane transporter activity

ENSG00000111530	CAND1 PPI subnetwork
GO:0060688	regulation of morphogenesis of a branching structure
MP:0002410	decreased susceptibility to viral infection
ENSG00000148377	IDI2 PPI subnetwork
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
GO:0016628	oxidoreductase activity, acting on the CH-CH group of donors,
MP:0002619	abnormal lymphocyte morphology
KEGG_GALACTOSE_METABOLISM	KEGG_GALACTOSE_METABOLISM
GO:0002690	positive regulation of leukocyte chemotaxis
MP:0004936	impaired branching involved in ureteric bud morphogenesis
GO:0035239	tube morphogenesis
ENSG00000122566	HNRNPA2B1 PPI subnetwork
GO:0032642	regulation of chemokine production
GO:0051247	positive regulation of protein metabolic process
ENSG00000177733	HNRNPA0 PPI subnetwork
ENSG00000104824	HNRNPL PPI subnetwork
ENSG00000182359	KBTBD3 PPI subnetwork
REACTOME_APCCCDH1_MEDIATED_DEGRA	REACTOME_APCCCDH1_MEDIATED_DEGRADATION_OF_CDC2
REACTOME_REGULATION_OF_ACTIVATED_	REACTOME_REGULATION_OF_ACTIVATED_PAK:2P34_BY_PRC
ENSG00000142892	PIGK PPI subnetwork
GO:0042436	indole-containing compound catabolic process
GO:0006569	tryptophan catabolic process
GO:0046218	indolalkylamine catabolic process
ENSG00000100911	PSME2 PPI subnetwork
GO:0030323	respiratory tube development
REACTOME_DEGRADATION_OF_BETA:CATE	REACTOME_DEGRADATION_OF_BETA:CATENIN_BY_THE_DES
REACTOME_SIGNALING_BY_WNT	REACTOME_SIGNALING_BY_WNT
MP:0004784	abnormal anterior cardinal vein morphology
GO:0005922	connexon complex
MP:0001340	abnormal eyelid morphology
MP:0008515	thin retinal outer nuclear layer
ENSG00000143799	PARP1 PPI subnetwork
REACTOME_GAP_JUNCTION_ASSEMBLY	REACTOME_GAP_JUNCTION_ASSEMBLY
ENSG00000215021	PHB2 PPI subnetwork
GO:0060675	ureteric bud morphogenesis
MP:0002825	abnormal notochord morphology
ENSG00000131795	RBM8A PPI subnetwork
GO:0006732	coenzyme metabolic process
GO:0022612	gland morphogenesis
ENSG00000131368	MRPS25 PPI subnetwork
ENSG00000127688	GAN PPI subnetwork
GO:0071214	cellular response to abiotic stimulus
ENSG00000197238	HIST1H4J PPI subnetwork
ENSG00000183941	HIST2H4A PPI subnetwork
ENSG00000197061	HIST1H4C PPI subnetwork
ENSG00000198558	HIST1H4L PPI subnetwork
ENSG00000198518	HIST1H4E PPI subnetwork
ENSG00000198327	HIST1H4F PPI subnetwork
ENSG00000158406	HIST1H4H PPI subnetwork
ENSG00000182217	HIST2H4B PPI subnetwork

ENSG00000197914	HIST1H4K PPI subnetwork
ENSG00000124529	HIST1H4B PPI subnetwork
ENSG00000197837	HIST4H4 PPI subnetwork
ENSG00000188987	HIST1H4D PPI subnetwork
ENSG00000198339	HIST1H4I PPI subnetwork
ENSG00000196176	HIST1H4A PPI subnetwork
ENSG00000080824	HSP90AA1 PPI subnetwork
ENSG00000143702	CEP170 PPI subnetwork
GO:0022829	wide pore channel activity
GO:0042987	amyloid precursor protein catabolic process
GO:0050777	negative regulation of immune response
ENSG00000144648	CCBP2 PPI subnetwork
GO:0004859	phospholipase inhibitor activity
REACTOME_DEFENSINS	REACTOME_DEFENSINS
ENSG00000109339	MAPK10 PPI subnetwork
ENSG00000069431	ABCC9 PPI subnetwork
ENSG00000117322	CR2 PPI subnetwork
MP:0006074	abnormal retinal rod bipolar cell morphology
GO:0018108	peptidyl-tyrosine phosphorylation
ENSG00000163083	INHBB PPI subnetwork
MP:0005232	abnormal mesenteric lymph node morphology
ENSG00000108826	MRPL27 PPI subnetwork
GO:0071616	acyl-CoA biosynthetic process
GO:0035384	thioester biosynthetic process
MP:0001071	abnormal facial nerve morphology
ENSG00000171421	MRPL36 PPI subnetwork
KEGG_BASE_EXCISION_REPAIR	KEGG_BASE_EXCISION_REPAIR
ENSG00000133226	SRRM1 PPI subnetwork
ENSG00000206232	ENSG00000206232 PPI subnetwork
ENSG00000204261	ENSG00000204261 PPI subnetwork
ENSG00000206296	ENSG00000206296 PPI subnetwork
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRIC	KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYC
GO:0050830	defense response to Gram-positive bacterium
ENSG00000196136	SERPINA3 PPI subnetwork
MP:0002444	abnormal T cell physiology
GO:0071013	catalytic step 2 spliceosome
ENSG00000101084	C20orf24 PPI subnetwork
MP:0001216	abnormal epidermal layer morphology
MP:0004794	increased anti-nuclear antigen antibody level
ENSG00000183072	NKX2-5 PPI subnetwork
ENSG00000175104	TRAF6 PPI subnetwork
KEGG_OTHER_GLYCAN_DEGRADATION	KEGG_OTHER_GLYCAN_DEGRADATION
ENSG00000184779	RPS17 PPI subnetwork
ENSG00000182774	RPS17L PPI subnetwork
ENSG00000134398	ERN2 PPI subnetwork
ENSG00000129255	MPDU1 PPI subnetwork
ENSG00000170027	YWHAG PPI subnetwork
ENSG00000106105	GARS PPI subnetwork
REACTOME_CLASS_A1_RHODOPSIN:LIKE_R	REACTOME_CLASS_A1_RHODOPSIN:LIKE_RECEPTORS
REACTOME_SCF:BETA:TRCP_MEDIATED_DE	REACTOME_SCF:BETA:TRCP_MEDIATED_DEGRADATION_OF_E

MP:0001299	abnormal eye distance/ position
GO:0045596	negative regulation of cell differentiation
MP:0000352	decreased cell proliferation
ENSG00000100644	HIF1A PPI subnetwork
ENSG00000100836	PABPN1 PPI subnetwork
GO:0043687	post-translational protein modification
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_	KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM
KEGG_MELANOGENESIS	KEGG_MELANOGENESIS
ENSG00000196084	ENSG00000196084 PPI subnetwork
MP:0004136	abnormal tongue muscle morphology
ENSG00000100393	EP300 PPI subnetwork
ENSG00000185513	L3MBTL1 PPI subnetwork
ENSG00000180353	HCLS1 PPI subnetwork
ENSG00000106588	PSMA2 PPI subnetwork
GO:0048729	tissue morphogenesis
GO:0051427	hormone receptor binding
ENSG00000090470	PDCD7 PPI subnetwork
MP:0000753	paralysis
ENSG00000205220	PSMB10 PPI subnetwork
GO:0032355	response to estradiol stimulus
GO:0033865	nucleoside bisphosphate metabolic process
GO:0043408	regulation of MAPK cascade
MP:0003111	abnormal cell nucleus morphology
ENSG00000169062	UPF3A PPI subnetwork
ENSG00000196611	MMP1 PPI subnetwork
MP:0000460	mandible hypoplasia
ENSG00000009954	BAZ1B PPI subnetwork
ENSG00000069399	BCL3 PPI subnetwork
GO:0001917	photoreceptor inner segment
ENSG00000142676	RPL11 PPI subnetwork
ENSG00000168685	IL7R PPI subnetwork
REACTOME_SIGNALING_BY_SCF:KIT	REACTOME_SIGNALING_BY_SCF:KIT
GO:0046661	male sex differentiation
REACTOME_CELL_JUNCTION_ORGANIZATIC	REACTOME_CELL_JUNCTION_ORGANIZATION
GO:0033549	MAP kinase phosphatase activity
ENSG00000165025	SYK PPI subnetwork
ENSG00000088256	GNA11 PPI subnetwork
GO:0008652	cellular amino acid biosynthetic process
ENSG00000060339	CCAR1 PPI subnetwork
ENSG00000126456	IRF3 PPI subnetwork
ENSG00000141736	ERBB2 PPI subnetwork
MP:0010454	abnormal truncus arteriosus septation
ENSG00000156313	RPGR PPI subnetwork
ENSG00000077238	IL4R PPI subnetwork
MP:0001127	small ovary
ENSG00000077942	FBLN1 PPI subnetwork
KEGG_SMALL_CELL_LUNG_CANCER	KEGG_SMALL_CELL_LUNG_CANCER
REACTOME_APCCDC20_MEDIATED_DEGR	REACTOME_APCCDC20_MEDIATED_DEGRADATION_OF_SEC
ENSG00000089902	RCOR1 PPI subnetwork
MP:0001304	cataracts

MP:0008518	retinal outer nuclear layer degeneration
ENSG00000166033	HTRA1 PPI subnetwork
ENSG00000141380	SS18 PPI subnetwork
GO:0030532	small nuclear ribonucleoprotein complex
ENSG00000130713	EXOSC2 PPI subnetwork
ENSG00000187266	EPOR PPI subnetwork
ENSG00000106991	ENG PPI subnetwork
MP:0005449	abnormal food intake
MP:0005076	abnormal cell differentiation
ENSG00000185499	MUC1 PPI subnetwork
ENSG00000085117	CD82 PPI subnetwork
ENSG00000109971	HSPA8 PPI subnetwork
MP:0005065	abnormal neutrophil morphology
REACTOME_NEF_MEDIATED_DOWNREGUL	REACTOME_NEF_MEDIATED_DOWNREGULATION_OF_MHC_C
ENSG00000171223	JUNB PPI subnetwork
ENSG00000101745	ANKRD12 PPI subnetwork
MP:0005324	ascites
ENSG00000158691	ZSCAN12 PPI subnetwork
MP:0010825	abnormal lung saccule morphology
MP:0000929	open neural tube
MP:0000030	abnormal tympanic ring morphology
ENSG00000115641	FHL2 PPI subnetwork
ENSG00000176105	YES1 PPI subnetwork
ENSG00000107371	EXOSC3 PPI subnetwork
ENSG00000144158	ENSG00000144158 PPI subnetwork
MP:0001212	skin lesions
ENSG00000108883	EFTUD2 PPI subnetwork
GO:0001959	regulation of cytokine-mediated signaling pathway
ENSG00000144061	NPHP1 PPI subnetwork
MP:0005253	abnormal eye physiology
REACTOME_TRANSPORT_OF_THE_SLBP_IN	REACTOME_TRANSPORT_OF_THE_SLBP_INDEPENDENT_MATU
MP:0000748	progressive muscle weakness
MP:0001065	abnormal trigeminal nerve morphology
ENSG00000092098	RNF31 PPI subnetwork
ENSG00000158417	EIF5B PPI subnetwork
MP:0002358	abnormal spleen periarteriolar lymphoid sheath morphology
ENSG00000168924	LETM1 PPI subnetwork
ENSG00000105647	PIK3R2 PPI subnetwork
MP:0000495	abnormal colon morphology
REACTOME_TRANSPORT_OF_THE_SLBP_DE	REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATUF
GO:0060429	epithelium development
ENSG00000118046	STK11 PPI subnetwork
MP:0000702	enlarged lymph nodes
ENSG00000163636	PSMD6 PPI subnetwork
MP:0002893	ketoaciduria
ENSG00000151693	ASAP2 PPI subnetwork
ENSG00000126005	ENSG00000126005 PPI subnetwork
GO:0007260	tyrosine phosphorylation of STAT protein
ENSG00000149557	FEZ1 PPI subnetwork
ENSG00000108671	PSMD11 PPI subnetwork

ENSG00000096696	DSP PPI subnetwork
ENSG00000147065	MSN PPI subnetwork
ENSG00000037280	FLT4 PPI subnetwork
REACTOME_SIGNALING_BY_TGF_BETA	REACTOME_SIGNALING_BY_TGF_BETA
GO:0009950	dorsal/ventral axis specification
MP:0008008	early cellular replicative senescence
ENSG00000002330	BAD PPI subnetwork
GO:0008235	metalloexopeptidase activity
GO:0005721	centromeric heterochromatin
ENSG00000105851	PIK3CG PPI subnetwork
GO:0016289	CoA hydrolase activity
MP:0001045	abnormal enteric ganglia morphology
GO:0000096	sulfur amino acid metabolic process
ENSG00000136930	PSMB7 PPI subnetwork
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_P	KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
MP:0001270	distended abdomen
MP:0008474	absent spleen germinal center
MP:0004042	decreased susceptibility to kidney reperfusion injury
ENSG00000074071	MRPS34 PPI subnetwork
ENSG00000132561	MATN2 PPI subnetwork
GO:0006637	acyl-CoA metabolic process
GO:0035383	thioester metabolic process
MP:0006267	abnormal intercalated disc morphology
GO:0009314	response to radiation
ENSG00000137070	IL11RA PPI subnetwork
ENSG00000145623	OSMR PPI subnetwork
ENSG00000206452	HLA-C PPI subnetwork
MP:0001714	absent trophoblast giant cells
ENSG00000107882	SUFU PPI subnetwork
GO:0048770	pigment granule
GO:0042470	melanosome
ENSG00000100650	SRSF5 PPI subnetwork
ENSG00000007392	LUC7L PPI subnetwork
ENSG00000113494	PRLR PPI subnetwork
ENSG00000159063	ALG8 PPI subnetwork
MP:0002231	abnormal primitive streak morphology
GO:0003712	transcription cofactor activity
ENSG00000116044	NFE2L2 PPI subnetwork
MP:0008663	increased interleukin-12 secretion
REACTOME_TRAF6_MEDIATED_IRF7_ACTIV	REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION
ENSG00000090054	SPTLC1 PPI subnetwork
MP:0005399	increased susceptibility to fungal infection
ENSG00000086205	FOLH1 PPI subnetwork
ENSG00000091181	IL5RA PPI subnetwork
ENSG00000163599	CTLA4 PPI subnetwork
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_P	KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
MP:0010418	perimembraneous ventricular septal defect
ENSG00000147649	MTDH PPI subnetwork
ENSG00000132170	PPARG PPI subnetwork
ENSG00000172115	CYCS PPI subnetwork

ENSG00000105379	ETFB PPI subnetwork
MP:0001194	dermatitis
GO:0005980	glycogen catabolic process
ENSG00000157873	TNFRSF14 PPI subnetwork
GO:0016887	ATPase activity
REACTOME_REGULATION_OF_APOPTOSIS	REACTOME_REGULATION_OF_APOPTOSIS
MP:0004031	insulitis
GO:0008047	enzyme activator activity
GO:0000502	proteasome complex
ENSG00000126768	TIMM17B PPI subnetwork
ENSG00000116560	SFPQ PPI subnetwork
ENSG00000196230	TUBB PPI subnetwork
ENSG00000183311	TUBB PPI subnetwork
ENSG00000137379	ENSG00000137379 PPI subnetwork
MP:0002359	abnormal spleen germinal center morphology
ENSG00000064999	ANKS1A PPI subnetwork
ENSG00000188064	WNT7B PPI subnetwork
ENSG00000137547	MRPL15 PPI subnetwork
MP:0001921	reduced fertility
GO:0045137	development of primary sexual characteristics
MP:0000428	abnormal craniofacial morphology
MP:0008673	decreased interleukin-13 secretion
ENSG00000124181	PLCG1 PPI subnetwork
GO:0055065	metal ion homeostasis
ENSG00000182533	CAV3 PPI subnetwork
ENSG00000140829	DHX38 PPI subnetwork
GO:0006913	nucleocytoplasmic transport
ENSG00000134470	IL15RA PPI subnetwork
ENSG00000081019	RSBN1 PPI subnetwork
GO:0001974	blood vessel remodeling
ENSG00000119718	EIF2B2 PPI subnetwork
ENSG00000112658	SRF PPI subnetwork
GO:0042303	molting cycle
GO:0042633	hair cycle
GO:0050866	negative regulation of cell activation
MP:0002108	abnormal muscle morphology
REACTOME_VPU_MEDIATED_DEGRADATIO	REACTOME_VPU_MEDIATED_DEGRADATION_OF_CD4
GO:0019221	cytokine-mediated signaling pathway
ENSG00000184432	COPB2 PPI subnetwork
ENSG00000035862	TIMP2 PPI subnetwork
GO:0048863	stem cell differentiation
ENSG00000204361	FAM55B PPI subnetwork
GO:0008544	epidermis development
ENSG00000150991	UBC PPI subnetwork
ENSG00000073009	IKBKG PPI subnetwork
ENSG00000108515	ENO3 PPI subnetwork
MP:0011024	abnormal branching involved in lung morphogenesis
REACTOME_INFLUENZA_INFECTION	REACTOME_INFLUENZA_INFECTION
ENSG00000102755	FLT1 PPI subnetwork
MP:0004905	decreased uterus weight

ENSG00000125378	BMP4 PPI subnetwork
GO:0019894	kinesin binding
GO:0043405	regulation of MAP kinase activity
ENSG00000196535	MYO18A PPI subnetwork
ENSG00000153046	CDYL PPI subnetwork
ENSG00000154342	WNT3A PPI subnetwork
ENSG00000166313	APBB1 PPI subnetwork
MP:0002442	abnormal leukocyte physiology
ENSG00000164270	HTR4 PPI subnetwork
ENSG00000082641	NFE2L1 PPI subnetwork
GO:0034483	heparan sulfate sulfotransferase activity
GO:0009755	hormone-mediated signaling pathway
ENSG00000076944	STXBP2 PPI subnetwork
ENSG00000152661	GJA1 PPI subnetwork
GO:0048511	rhythmic process
GO:0033619	membrane protein proteolysis
ENSG00000150455	TIRAP PPI subnetwork
MP:0005093	decreased B cell proliferation
REACTOME_VIF:MEDIATED_DEGRADATION	REACTOME_VIF:MEDIATED_DEGRADATION_OF_APOBEC3G
ENSG00000110324	IL10RA PPI subnetwork
REACTOME_METABOLISM_OF_PORPHYRIN	REACTOME_METABOLISM_OF_PORPHYRINS
ENSG00000125352	RNF113A PPI subnetwork
ENSG00000137752	CASP1 PPI subnetwork
GO:0044247	cellular polysaccharide catabolic process
GO:0009251	glucan catabolic process
MP:0008482	decreased spleen germinal center number
ENSG00000038427	VCAN PPI subnetwork
REACTOME_SWITCHING_OF_ORIGINS_TO_	REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST:REPLICATI
REACTOME_ORC1_REMOVAL_FROM_CHRC	REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
REACTOME_CDT1_ASSOCIATION_WITH_TH	REACTOME_CDT1_ASSOCIATION_WITH_THE_CDC6ORCORIGI
ENSG00000101003	GINS1 PPI subnetwork
GO:0003682	chromatin binding
ENSG00000176102	CSTF3 PPI subnetwork
MP:0009404	centrally nucleated skeletal muscle fibers
GO:0030730	sequestering of triglyceride
MP:0002781	increased circulating testosterone level
GO:0010595	positive regulation of endothelial cell migration
MP:0004374	bowed radius
REACTOME_AMINO_ACID_TRANSPORT_AC	REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE_PLASM
GO:0005057	receptor signaling protein activity
ENSG00000162594	IL23R PPI subnetwork
MP:0001845	abnormal inflammatory response
ENSG00000147162	OGT PPI subnetwork
ENSG00000131437	KIF3A PPI subnetwork
REACTOME_MYD88:INDEPENDENT_CASCAI	REACTOME_MYD88:INDEPENDENT_CASCADE_INITIATED_ON_
ENSG00000139269	INHBE PPI subnetwork
ENSG00000121774	KHDRBS1 PPI subnetwork
GO:0000988	protein binding transcription factor activity
ENSG00000101138	CSTF1 PPI subnetwork
GO:0005916	fascia adherens

ENSG00000204394	VARS PPI subnetwork
ENSG00000096171	VARS PPI subnetwork
MP:0004362	cochlear hair cell degeneration
GO:0008584	male gonad development
MP:0004200	decreased fetal size
ENSG00000165119	HNRNPK PPI subnetwork
ENSG00000051382	PIK3CB PPI subnetwork
GO:0016866	intramolecular transferase activity
ENSG00000197111	PCBP2 PPI subnetwork
ENSG00000206088	ENSG00000206088 PPI subnetwork
ENSG00000104897	SF3A2 PPI subnetwork
ENSG00000147130	ZMYM3 PPI subnetwork
ENSG00000127922	SHFM1 PPI subnetwork
ENSG00000147274	RBMX PPI subnetwork
ENSG00000105364	MRPL4 PPI subnetwork
GO:0005243	gap junction channel activity
GO:0070412	R-SMAD binding
GO:0001078	RNA polymerase II core promoter proximal region sequence-s
MP:0004057	thin myocardium compact layer
MP:0002497	increased IgE level
REACTOME_ACTIVATED_TLR4_SIGNALLING	REACTOME_ACTIVATED_TLR4_SIGNALLING
ENSG00000006715	VPS41 PPI subnetwork
GO:0008238	exopeptidase activity
GO:0030057	desmosome
GO:0007176	regulation of epidermal growth factor-activated receptor activ
ENSG00000105939	ZC3HAV1 PPI subnetwork
GO:0010212	response to ionizing radiation
ENSG00000130520	LSM4 PPI subnetwork
ENSG00000198517	MAFK PPI subnetwork
ENSG00000134245	WNT2B PPI subnetwork
ENSG00000131238	PPT1 PPI subnetwork
MP:0002724	enhanced wound healing
ENSG00000082781	ITGB5 PPI subnetwork
GO:0001540	beta-amyloid binding
ENSG00000184083	FAM120C PPI subnetwork
MP:0001196	shiny skin
GO:0009100	glycoprotein metabolic process
GO:0005849	mRNA cleavage factor complex
ENSG00000126457	PRMT1 PPI subnetwork
ENSG00000196220	SRGAP3 PPI subnetwork
GO:0042035	regulation of cytokine biosynthetic process
GO:0016485	protein processing
GO:0000989	transcription factor binding transcription factor activity
ENSG00000198223	CSF2RA PPI subnetwork
ENSG00000163399	ATP1A1 PPI subnetwork
GO:0042402	cellular biogenic amine catabolic process
MP:0005028	abnormal trophectoderm morphology
MP:0000920	abnormal myelination
ENSG00000156508	EEF1A1 PPI subnetwork
ENSG00000157764	BRAF PPI subnetwork

GO:0050431	transforming growth factor beta binding
ENSG00000135424	ITGA7 PPI subnetwork
ENSG00000136731	UGGT1 PPI subnetwork
GO:0010243	response to organic nitrogen
GO:0061039	ovum-producing ovary development
ENSG00000181061	HIGD1A PPI subnetwork
ENSG00000186468	RPS23 PPI subnetwork
MP:0004609	vertebral fusion
ENSG00000135744	AGT PPI subnetwork
MP:0002672	abnormal branchial arch artery morphology
ENSG00000112081	SRSF3 PPI subnetwork
MP:0004618	thoracic vertebral transformation
ENSG00000155229	MMS19 PPI subnetwork
ENSG00000158042	MRPL17 PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES
MP:0000130	abnormal trabecular bone morphology
REACTOME_SYNTHESIS_OF_DNA	REACTOME_SYNTHESIS_OF_DNA
GO:0000146	microfilament motor activity
ENSG00000060069	CTDP1 PPI subnetwork
GO:0010332	response to gamma radiation
GO:0051019	mitogen-activated protein kinase binding
ENSG00000110700	RPS13 PPI subnetwork
REACTOME_CHAPERONIN:MEDIATED_PRO	REACTOME_CHAPERONIN:MEDIATED_PROTEIN_FOLDING
ENSG00000204264	PSMB8 PPI subnetwork
ENSG00000206234	ENSG00000206234 PPI subnetwork
ENSG00000206298	PSMB8 PPI subnetwork
ENSG00000130479	MAP1S PPI subnetwork
ENSG00000135829	DHX9 PPI subnetwork
MP:0003149	abnormal tectorial membrane morphology
ENSG00000160999	SH2B2 PPI subnetwork
ENSG00000137462	TLR2 PPI subnetwork
MP:0002703	abnormal renal tubule morphology
MP:0000628	abnormal mammary gland development
ENSG00000164609	SLU7 PPI subnetwork
REACTOME_SIGNALING_BY_NODAL	REACTOME_SIGNALING_BY_NODAL
GO:0031058	positive regulation of histone modification
ENSG00000090863	GLG1 PPI subnetwork
MP:0000048	abnormal stria vascularis morphology
GO:0031060	regulation of histone methylation
MP:0002940	variable body spotting
GO:0055093	response to hyperoxia
ENSG00000100084	HIRA PPI subnetwork
ENSG00000176476	CCDC101 PPI subnetwork
MP:0004982	abnormal osteoclast morphology
ENSG00000101336	HCK PPI subnetwork
ENSG00000170632	ARMC10 PPI subnetwork
ENSG00000089597	GANAB PPI subnetwork
MP:0001828	abnormal T cell activation
GO:0016849	phosphorus-oxygen lyase activity
REACTOME_ERKMAPK_TARGETS	REACTOME_ERKMAPK_TARGETS

ENSG00000065526	SPEN PPI subnetwork
ENSG00000166411	IDH3A PPI subnetwork
MP:0001575	cyanosis
GO:0005730	nucleolus
ENSG00000080345	RIF1 PPI subnetwork
GO:0051169	nuclear transport
REACTOME_REMOVAL_OF_LICENSING_FAC	REACTOME_REMOVAL_OF_LICENSING_FACTORS_FROM_ORIC
GO:0042573	retinoic acid metabolic process
ENSG00000085721	RRN3 PPI subnetwork
GO:0051604	protein maturation
REACTOME_CDC20PHOSPHO:APCC_MEDIA	REACTOME_CDC20PHOSPHO:APCC_MEDIATED_DEGRADATIO
ENSG00000139343	SNRPF PPI subnetwork
ENSG00000196504	PRPF40A PPI subnetwork
ENSG00000173889	PHC3 PPI subnetwork
ENSG00000215467	ENSG00000215467 PPI subnetwork
ENSG00000159113	ENSG00000159113 PPI subnetwork
MP:0001273	decreased metastatic potential
MP:0010872	increased trabecular bone mass
ENSG00000131153	GINS2 PPI subnetwork
ENSG00000186298	PPP1CC PPI subnetwork
ENSG00000143761	ARF1 PPI subnetwork
ENSG00000183091	NEB PPI subnetwork
GO:0070001	aspartic-type peptidase activity
GO:0004190	aspartic-type endopeptidase activity
ENSG00000185736	ADARB2 PPI subnetwork
MP:0004022	abnormal cone electrophysiology
GO:0031080	Nup107-160 complex
ENSG00000166441	RPL27A PPI subnetwork
ENSG00000133101	CCNA1 PPI subnetwork
ENSG00000176406	RIMS2 PPI subnetwork
ENSG00000105663	ENSG00000105663 PPI subnetwork
MP:0002260	abnormal thyroid cartilage morphology
ENSG00000003756	RBM5 PPI subnetwork
MP:0008332	decreased lactotroph cell number
ENSG00000112033	PPARD PPI subnetwork
ENSG00000184967	NOC4L PPI subnetwork
GO:0002688	regulation of leukocyte chemotaxis
MP:0001240	abnormal epidermis stratum corneum morphology
MP:0008174	decreased follicular B cell number
MP:0005650	abnormal limb bud morphology
MP:0005154	increased B cell proliferation
ENSG00000087111	PIGS PPI subnetwork
GO:0006544	glycine metabolic process
MP:0009858	abnormal cellular extravasation
GO:0006007	glucose catabolic process
REACTOME_DEVELOPMENTAL_BIOLOGY	REACTOME_DEVELOPMENTAL_BIOLOGY
ENSG00000175073	VCPIP1 PPI subnetwork
ENSG00000162231	NXF1 PPI subnetwork
ENSG00000006747	SCIN PPI subnetwork
ENSG00000214026	MRPL23 PPI subnetwork

GO:0009266	response to temperature stimulus
MP:0003056	abnormal hyoid bone morphology
REACTOME_APCCCDC20_MEDIATED_DEGR	REACTOME_APCCCDC20_MEDIATED_DEGRADATION_OF_MIT
ENSG00000161016	RPL8 PPI subnetwork
GO:0000785	chromatin
ENSG00000125944	HNRNPR PPI subnetwork
ENSG00000185963	BICD2 PPI subnetwork
ENSG00000119138	KLF9 PPI subnetwork
MP:0002500	granulomatous inflammation
ENSG00000131941	RHPN2 PPI subnetwork
ENSG00000198561	CTNND1 PPI subnetwork
GO:0042605	peptide antigen binding
MP:0003232	abnormal forebrain development
ENSG00000196591	HDAC2 PPI subnetwork
MP:0010810	increased type II pneumocyte number
GO:0051046	regulation of secretion
ENSG00000070371	CLTCL1 PPI subnetwork
GO:0045120	pronucleus
ENSG00000132467	UTP3 PPI subnetwork
MP:0002161	abnormal fertility/fecundity
ENSG00000012048	BRCA1 PPI subnetwork
ENSG00000151090	THRB PPI subnetwork
ENSG00000165178	ENSG00000165178 PPI subnetwork
ENSG00000174791	RIN1 PPI subnetwork
ENSG00000068323	TFE3 PPI subnetwork
GO:0015370	solute:sodium symporter activity
GO:0008168	methyltransferase activity
GO:0005201	extracellular matrix structural constituent
ENSG00000116141	MARK1 PPI subnetwork
MP:0002413	abnormal megakaryocyte progenitor cell morphology
KEGG_GLUTATHIONE_METABOLISM	KEGG_GLUTATHIONE_METABOLISM
ENSG00000105373	GLTSCR2 PPI subnetwork
ENSG00000140464	PML PPI subnetwork
GO:0017017	MAP kinase tyrosine/serine/threonine phosphatase activity
ENSG00000167880	EVPL PPI subnetwork
ENSG00000105287	PRKD2 PPI subnetwork
ENSG00000122756	CNTFR PPI subnetwork
GO:0006568	tryptophan metabolic process
REACTOME_ACTIVATION_OF_APCC_AND_A	REACTOME_ACTIVATION_OF_APCC_AND_APCCCDC20_MEDIA
MP:0001625	cardiac hypertrophy
GO:0009881	photoreceptor activity
MP:0008450	retinal photoreceptor degeneration
ENSG00000177283	FZD8 PPI subnetwork
ENSG00000115241	PPM1G PPI subnetwork
GO:0071375	cellular response to peptide hormone stimulus
ENSG00000100764	PSMC1 PPI subnetwork
GO:0031965	nuclear membrane
GO:0005774	vacuolar membrane
ENSG00000197555	SIPA1L1 PPI subnetwork
GO:0008565	protein transporter activity

ENSG00000131724	IL13RA1 PPI subnetwork
GO:0008514	organic anion transmembrane transporter activity
ENSG00000111364	DDX55 PPI subnetwork
ENSG00000087460	GNAS PPI subnetwork
ENSG00000204628	GNB2L1 PPI subnetwork
ENSG00000077454	LRCH4 PPI subnetwork
ENSG00000205307	SAP25 PPI subnetwork
MP:0002455	abnormal dendritic cell antigen presentation
ENSG00000125845	BMP2 PPI subnetwork
ENSG00000139239	ENSG00000139239 PPI subnetwork
REACTOME_SEMAPHORIN_INTERACTIONS	REACTOME_SEMAPHORIN_INTERACTIONS
GO:0048598	embryonic morphogenesis
MP:0003009	abnormal cytokine secretion
MP:0008511	thin retinal inner nuclear layer
GO:0009968	negative regulation of signal transduction
REACTOME_INTERLEUKIN:7_SIGNALING	REACTOME_INTERLEUKIN:7_SIGNALING
GO:0060349	bone morphogenesis
ENSG00000100852	ARHGAP5 PPI subnetwork
MP:0008522	abnormal lymph node germinal center morphology
GO:0009066	aspartate family amino acid metabolic process
ENSG00000099783	HNRNPM PPI subnetwork
GO:0009084	glutamine family amino acid biosynthetic process
GO:0003158	endothelium development
GO:0042166	acetylcholine binding
ENSG00000198062	POTEH PPI subnetwork
ENSG00000116830	TTF2 PPI subnetwork
GO:0005759	mitochondrial matrix
ENSG00000107968	MAP3K8 PPI subnetwork
MP:0001182	lung hemorrhage
ENSG00000087365	SF3B2 PPI subnetwork
MP:0003992	increased mortality induced by ionizing radiation
GO:0031593	polyubiquitin binding
ENSG00000113643	RARS PPI subnetwork
ENSG00000065882	TBC1D1 PPI subnetwork
GO:0043010	camera-type eye development
GO:0032103	positive regulation of response to external stimulus
ENSG00000151422	FER PPI subnetwork
ENSG00000116062	MSH6 PPI subnetwork
ENSG00000153395	LPCAT1 PPI subnetwork
ENSG00000131323	TRAF3 PPI subnetwork
ENSG00000144028	SNRNP200 PPI subnetwork
ENSG00000119689	DLST PPI subnetwork
REACTOME_MRNA_DECAY_BY_3_TO_5_EX	REACTOME_MRNA_DECAY_BY_3_TO_5_EXORIBONUCLEASE
GO:0046546	development of primary male sexual characteristics
GO:0009101	glycoprotein biosynthetic process
GO:0035338	long-chain fatty-acyl-CoA biosynthetic process
GO:0035336	long-chain fatty-acyl-CoA metabolic process
GO:0051004	regulation of lipoprotein lipase activity
GO:0002027	regulation of heart rate
MP:0000373	belly spot

ENSG00000168487	BMP1 PPI subnetwork
MP:0003864	abnormal midbrain development
MP:0003419	delayed endochondral bone ossification
GO:0042165	neurotransmitter binding
ENSG00000184489	PTP4A3 PPI subnetwork
GO:0032386	regulation of intracellular transport
ENSG00000100842	EFS PPI subnetwork
ENSG00000167657	DAPK3 PPI subnetwork
MP:0002463	abnormal neutrophil physiology
GO:0008536	Ran GTPase binding
ENSG00000213625	LEPROT PPI subnetwork
MP:0002655	abnormal keratinocyte morphology
MP:0003722	absent ureter
GO:0003823	antigen binding
ENSG00000149016	TUT1 PPI subnetwork
ENSG00000182718	ANXA2 PPI subnetwork
GO:0005343	organic acid:sodium symporter activity
GO:0009635	response to herbicide
MP:0000538	abnormal urinary bladder morphology
MP:0002639	micrognathia
ENSG00000082516	GEMIN5 PPI subnetwork
MP:0008146	asymmetric rib-sternum attachment
MP:0008181	increased marginal zone B cell number
ENSG00000168477	TNXB PPI subnetwork
MP:0001004	abnormal retinal photoreceptor morphology
ENSG00000142539	SPIB PPI subnetwork
GO:0009108	coenzyme biosynthetic process
ENSG00000155506	LARP1 PPI subnetwork
ENSG00000125351	UPF3B PPI subnetwork
GO:0003995	acyl-CoA dehydrogenase activity
GO:0004896	cytokine receptor activity
ENSG00000136891	TEX10 PPI subnetwork
GO:0031252	cell leading edge
ENSG00000142208	AKT1 PPI subnetwork
ENSG00000075651	PLD1 PPI subnetwork
REACTOME_TRIF_MEDIATED_TLR3_SIGNAL	REACTOME_TRIF_MEDIATED_TLR3_SIGNALING
REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_	REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_CASCADE
ENSG00000141434	MEP1B PPI subnetwork
REACTOME_INFLUENZA_LIFE_CYCLE	REACTOME_INFLUENZA_LIFE_CYCLE
ENSG00000068615	REEP1 PPI subnetwork
GO:0048661	positive regulation of smooth muscle cell proliferation
ENSG00000151914	DST PPI subnetwork
ENSG00000105618	PRPF31 PPI subnetwork
ENSG00000110713	NUP98 PPI subnetwork
REACTOME_MRNA_SPLICING_:_MAJOR_PA	REACTOME_MRNA_SPLICING_:_MAJOR_PATHWAY
REACTOME_MRNA_SPLICING	REACTOME_MRNA_SPLICING
ENSG00000206503	HLA-A PPI subnetwork
GO:0016790	thiolester hydrolase activity
MP:0002427	disproportionate dwarf
MP:0004310	small otic vesicle

ENSG00000196961	AP2A1 PPI subnetwork
ENSG00000115875	SRSF7 PPI subnetwork
GO:0051087	chaperone binding
GO:0043406	positive regulation of MAP kinase activity
ENSG00000174123	TLR10 PPI subnetwork
GO:0046128	purine ribonucleoside metabolic process
ENSG00000197958	RPL12 PPI subnetwork
ENSG00000084754	HADHA PPI subnetwork
ENSG00000065548	ZC3H15 PPI subnetwork
GO:0055074	calcium ion homeostasis
ENSG00000103522	IL21R PPI subnetwork
ENSG00000164485	IL22RA2 PPI subnetwork
ENSG00000123496	IL13RA2 PPI subnetwork
MP:0000358	abnormal cell morphology
GO:0003950	NAD+ ADP-ribosyltransferase activity
GO:0000421	autophagic vacuole membrane
ENSG00000105141	CASP14 PPI subnetwork
ENSG00000196924	FLNA PPI subnetwork
MP:0002928	abnormal bile duct morphology
ENSG00000198001	IRAK4 PPI subnetwork
MP:0003036	vertebral transformation
ENSG00000168399	ENSG00000168399 PPI subnetwork
ENSG00000204273	ENSG00000204273 PPI subnetwork
MP:0001606	impaired hematopoiesis
MP:0005348	increased T cell proliferation
ENSG00000168476	REEP4 PPI subnetwork
ENSG00000112062	MAPK14 PPI subnetwork
GO:0043901	negative regulation of multi-organism process
GO:0043200	response to amino acid stimulus
ENSG00000104290	FZD3 PPI subnetwork
KEGG_NICOTINATE_AND_NICOTINAMIDE_M	KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM
ENSG00000142156	COL6A1 PPI subnetwork
ENSG00000111786	SRSF9 PPI subnetwork
GO:0010827	regulation of glucose transport
ENSG00000152684	PELO PPI subnetwork
ENSG00000166582	CENPV PPI subnetwork
ENSG00000142677	IL22RA1 PPI subnetwork
ENSG00000153234	NR4A2 PPI subnetwork
GO:0016624	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000171475	WIPF2 PPI subnetwork
ENSG00000115904	SOS1 PPI subnetwork
REACTOME_METABOLISM_OF_MRNA	REACTOME_METABOLISM_OF_MRNA
ENSG00000144895	EIF2A PPI subnetwork
ENSG00000027697	IFNGR1 PPI subnetwork
ENSG00000008018	PSMB1 PPI subnetwork
MP:0009133	decreased white fat cell size
GO:0009953	dorsal/ventral pattern formation
ENSG00000094804	CDC6 PPI subnetwork
ENSG00000112559	MDFI PPI subnetwork
ENSG00000162772	ATF3 PPI subnetwork

GO:0005088	Ras guanyl-nucleotide exchange factor activity
ENSG00000171219	CDC42BPG PPI subnetwork
ENSG00000129083	COPB1 PPI subnetwork
GO:0050778	positive regulation of immune response
GO:0070411	I-SMAD binding
REACTOME_ACTIVATION_OF_GENES_BY_A	REACTOME_ACTIVATION_OF_GENES_BY_ATF4
ENSG00000136869	TLR4 PPI subnetwork
GO:0008134	transcription factor binding
ENSG00000124222	STX16 PPI subnetwork
GO:0009295	nucleoid
ENSG00000136153	LMO7 PPI subnetwork
ENSG00000122140	MRPS2 PPI subnetwork
MP:0002882	abnormal neuron morphology
GO:0043401	steroid hormone mediated signaling pathway
MP:0003446	renal hypoplasia
MP:0002110	abnormal digit morphology
MP:0004543	abnormal sperm physiology
MP:0006362	abnormal male germ cell morphology
ENSG00000111642	CHD4 PPI subnetwork
ENSG00000138802	SEC24B PPI subnetwork
GO:0035272	exocrine system development
ENSG00000100410	PHF5A PPI subnetwork
ENSG00000100297	MCM5 PPI subnetwork
ENSG00000128513	POT1 PPI subnetwork
ENSG00000149923	PPP4C PPI subnetwork
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION
ENSG00000072134	EPN2 PPI subnetwork
KEGG_RENAL_CELL_CARCINOMA	KEGG_RENAL_CELL_CARCINOMA
MP:0001751	increased circulating luteinizing hormone level
ENSG00000110237	ARHGEF17 PPI subnetwork
ENSG00000182004	SNRPE PPI subnetwork
ENSG00000141759	TXNL4A PPI subnetwork
ENSG00000153187	HNRNPU PPI subnetwork
GO:0031663	lipopolysaccharide-mediated signaling pathway
ENSG00000092010	PSME1 PPI subnetwork
ENSG00000111802	TDP2 PPI subnetwork
ENSG00000125870	SNRPB2 PPI subnetwork
MP:0003408	increased width of hypertrophic chondrocyte zone
ENSG00000149428	HYOU1 PPI subnetwork
ENSG00000101210	EEF1A2 PPI subnetwork
ENSG00000142599	RERE PPI subnetwork
GO:0001942	hair follicle development
GO:0022405	hair cycle process
GO:0022404	molting cycle process
MP:0008209	decreased pre-B cell number
MP:0011085	complete postnatal lethality
ENSG00000120688	WBP4 PPI subnetwork
ENSG00000181852	RNF41 PPI subnetwork
ENSG00000076924	XAB2 PPI subnetwork
KEGG_TASTE_TRANSDUCTION	KEGG_TASTE_TRANSDUCTION

ENSG00000108061	SHOC2 PPI subnetwork
GO:0005283	sodium:amino acid symporter activity
ENSG00000120659	TNFSF11 PPI subnetwork
ENSG00000114126	TFDP2 PPI subnetwork
GO:0008654	phospholipid biosynthetic process
GO:0015295	solute:hydrogen symporter activity
REACTOME_CELL:CELL_COMMUNICATION	REACTOME_CELL:CELL_COMMUNICATION
ENSG00000169976	SF3B5 PPI subnetwork
MP:0000049	abnormal middle ear morphology
MP:0002843	decreased systemic arterial blood pressure
GO:0002699	positive regulation of immune effector process
MP:0004696	abnormal thyroid follicle morphology
GO:0002253	activation of immune response
GO:0005487	nucleocytoplasmic transporter activity
ENSG00000163510	CWC22 PPI subnetwork
GO:0070302	regulation of stress-activated protein kinase signaling cascade
ENSG00000063177	RPL18 PPI subnetwork
ENSG00000161547	SRSF2 PPI subnetwork
ENSG00000101811	CSTF2 PPI subnetwork
ENSG00000115963	RND3 PPI subnetwork
ENSG00000077312	SNRPA PPI subnetwork
GO:0010469	regulation of receptor activity
GO:0017091	AU-rich element binding
REACTOME_SEMA4D_IN_SEMAPHORIN_SIC	REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING
KEGG_ASCORBATE_AND_ALDARATE_META	KEGG_ASCORBATE_AND_ALDARATE_METABOLISM
ENSG00000169891	REPS2 PPI subnetwork
ENSG00000152795	HNRPDL PPI subnetwork
MP:0004158	right aortic arch
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_	KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLI
REACTOME_PERK_REGULATED_GENE_EXPF	REACTOME_PERK_REGULATED_GENE_EXPRESSION
ENSG00000152455	SUV39H2 PPI subnetwork
GO:0043574	peroxisomal transport
ENSG00000144744	UBA3 PPI subnetwork
ENSG00000186081	KRT5 PPI subnetwork
ENSG00000016402	IL20RA PPI subnetwork
REACTOME_REGULATION_OF_APCC_ACTIV	REACTOME_REGULATION_OF_APCC_ACTIVATORS_BETWEEN_
ENSG00000131876	SNRPA1 PPI subnetwork
ENSG00000014138	POLA2 PPI subnetwork
ENSG00000135486	HNRNPA1 PPI subnetwork
MP:0008045	decreased NK cell number
ENSG00000011304	PTBP1 PPI subnetwork
ENSG00000108561	C1QBP PPI subnetwork
GO:0005328	neurotransmitter:sodium symporter activity
ENSG00000074266	EED PPI subnetwork
ENSG00000130147	SH3BP4 PPI subnetwork
GO:0005614	interstitial matrix
ENSG00000138668	HNRNPD PPI subnetwork
ENSG00000105323	HNRNPUL1 PPI subnetwork
MP:0005269	abnormal occipital bone morphology
MP:0003139	patent ductus arteriosus

ENSG00000165156	ZHX1 PPI subnetwork
MP:0002998	abnormal bone remodeling
GO:0032609	interferon-gamma production
ENSG00000171720	HDAC3 PPI subnetwork
GO:0043900	regulation of multi-organism process
ENSG00000117461	PIK3R3 PPI subnetwork
GO:0001818	negative regulation of cytokine production
REACTOME_NUCLEAR_EVENTS_KINASE_AN	REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION
GO:0030867	rough endoplasmic reticulum membrane
ENSG00000136485	DCAF7 PPI subnetwork
GO:0045880	positive regulation of smoothened signaling pathway
GO:0005416	cation:amino acid symporter activity
ENSG00000174547	MRPL11 PPI subnetwork
KEGG_PROSTATE_CANCER	KEGG_PROSTATE_CANCER
ENSG00000168542	COL3A1 PPI subnetwork
ENSG00000126698	DNAJC8 PPI subnetwork
GO:0044272	sulfur compound biosynthetic process
ENSG00000147044	CASK PPI subnetwork
GO:0072329	monocarboxylic acid catabolic process
ENSG00000110880	CORO1C PPI subnetwork
ENSG00000204390	HSPA1L PPI subnetwork
ENSG00000139637	C12orf10 PPI subnetwork
REACTOME_PYRUVATE_METABOLISM	REACTOME_PYRUVATE_METABOLISM
MP:0005095	decreased T cell proliferation
MP:0000217	abnormal leukocyte cell number
ENSG00000070770	CSNK2A2 PPI subnetwork
MP:0009339	decreased splenocyte number
KEGG_NITROGEN_METABOLISM	KEGG_NITROGEN_METABOLISM
MP:0004486	decreased response of heart to induced stress
GO:0004181	metallocarboxypeptidase activity
ENSG00000101161	PRPF6 PPI subnetwork
ENSG00000166716	ZNF592 PPI subnetwork
MP:0003087	absent allantois
GO:0051018	protein kinase A binding
REACTOME_BETA:CATENIN_PHOSPHORYLA	REACTOME_BETA:CATENIN_PHOSPHORYLATION_CASCADE
MP:0000067	osteopetrosis
MP:0004091	abnormal Z lines
ENSG00000108296	CWC25 PPI subnetwork
MP:0000165	abnormal long bone hypertrophic chondrocyte zone
ENSG00000171566	PLRG1 PPI subnetwork
ENSG00000185436	IL28RA PPI subnetwork
GO:0090066	regulation of anatomical structure size
MP:0002633	persistent truncus arteriosis
ENSG00000134597	RBMX2 PPI subnetwork
ENSG00000159128	IFNGR2 PPI subnetwork
ENSG00000134259	NGF PPI subnetwork
ENSG00000102054	RBBP7 PPI subnetwork
GO:0014075	response to amine stimulus
ENSG00000114391	RPL24 PPI subnetwork
MP:0004021	abnormal rod electrophysiology

REACTOME_REGULATED_PROTEOLYSIS_OF	REACTOME_REGULATED_PROTEOLYSIS_OF_P75NTR
GO:0071565	nBAF complex
GO:0042054	histone methyltransferase activity
GO:0000228	nuclear chromosome
ENSG00000018408	WWTR1 PPI subnetwork
ENSG00000124788	ATXN1 PPI subnetwork
GO:0006650	glycerophospholipid metabolic process
ENSG00000126247	CAPNS1 PPI subnetwork
ENSG00000198033	TUBA3C PPI subnetwork
ENSG00000075886	TUBA3D PPI subnetwork
MP:0003447	decreased tumor growth/size
ENSG00000133119	RFC3 PPI subnetwork
GO:0015116	sulfate transmembrane transporter activity
GO:0016859	cis-trans isomerase activity
REACTOME_TRAF6_MEDIATED_NF:KB_ACT	REACTOME_TRAF6_MEDIATED_NF:KB_ACTIVATION
ENSG00000105705	SUGP1 PPI subnetwork
GO:0001936	regulation of endothelial cell proliferation
MP:0002082	postnatal lethality
ENSG00000131746	TNS4 PPI subnetwork
ENSG00000189319	FAM53B PPI subnetwork
REACTOME_S_PHASE	REACTOME_S_PHASE
ENSG00000095585	BLNK PPI subnetwork
ENSG00000182809	CRIP2 PPI subnetwork
ENSG00000118402	ELOVL4 PPI subnetwork
ENSG00000123975	CKS2 PPI subnetwork
ENSG00000133477	FAM83F PPI subnetwork
MP:0008826	abnormal splenic cell ratio
REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_	REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_REPLICATION_AND
GO:0001654	eye development
MP:0004974	decreased regulatory T cell number
ENSG00000186111	PIP5K1C PPI subnetwork
ENSG00000143977	SNRPG PPI subnetwork
MP:0002022	increased lymphoma incidence
ENSG00000164342	TLR3 PPI subnetwork
MP:0002682	decreased mature ovarian follicle number
ENSG00000120948	TARDBP PPI subnetwork
GO:0016646	oxidoreductase activity, acting on the CH-NH group of donors,
ENSG00000197303	ENSG00000197303 PPI subnetwork
GO:0032649	regulation of interferon-gamma production
ENSG00000139083	ETV6 PPI subnetwork
GO:0042559	pteridine-containing compound biosynthetic process
MP:0005164	abnormal response to injury
ENSG00000075856	SART3 PPI subnetwork
ENSG00000149532	CPSF7 PPI subnetwork
MP:0003871	abnormal myelin sheath morphology
MP:0000936	small telencephalic vesicles
GO:0001047	core promoter binding
GO:0030666	endocytic vesicle membrane
MP:0000107	abnormal frontal bone morphology
MP:0005326	abnormal podocyte morphology

ENSG00000160094	ZNF362 PPI subnetwork
ENSG00000132153	DHX30 PPI subnetwork
ENSG00000100280	AP1B1 PPI subnetwork
GO:0015030	Cajal body
ENSG00000066654	THUMPD1 PPI subnetwork
MP:0002864	abnormal ocular fundus morphology
ENSG00000172062	SMN1 PPI subnetwork
ENSG00000205571	SMN2 PPI subnetwork
ENSG00000112304	ACOT13 PPI subnetwork
ENSG00000196305	IARS PPI subnetwork
MP:0004404	cochlear outer hair cell degeneration
REACTOME_NONSENSE:MEDIATED_DECAY	REACTOME_NONSENSE:MEDIATED_DECAY
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_T
ENSG00000123091	RNF11 PPI subnetwork
GO:0032320	positive regulation of Ras GTPase activity
ENSG00000101365	IDH3B PPI subnetwork
GO:0016758	transferase activity, transferring hexosyl groups
KEGG_CELL_ADHESION_MOLECULES_CAMS	KEGG_CELL_ADHESION_MOLECULES_CAMS
MP:0003799	impaired macrophage chemotaxis
GO:0051567	histone H3-K9 methylation
MP:0002718	abnormal inner cell mass morphology
ENSG00000039319	ZFYVE16 PPI subnetwork
ENSG00000125868	DSTN PPI subnetwork
GO:0004713	protein tyrosine kinase activity
REACTOME_HIV_INFECTION	REACTOME_HIV_INFECTION
GO:0003727	single-stranded RNA binding
ENSG00000049540	ELN PPI subnetwork
ENSG00000172732	MUS81 PPI subnetwork
REACTOME_CYCLIN_ACDK2:ASSOCIATED_E	REACTOME_CYCLIN_ACDK2:ASSOCIATED_EVENTS_AT_S_PHAS
ENSG00000081189	MEF2C PPI subnetwork
ENSG00000141068	KSR1 PPI subnetwork
GO:0016805	dipeptidase activity
ENSG00000170365	SMAD1 PPI subnetwork
ENSG00000156052	GNAQ PPI subnetwork
GO:0046660	female sex differentiation
ENSG00000136807	CDK9 PPI subnetwork
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_THE_TRAN
REACTOME_CLEAVAGE_OF_GROWING_TRA	REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_IN_THE_
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_TERMINA
MP:0004392	abnormal CD8-positive T cell physiology
ENSG00000188763	FZD9 PPI subnetwork
ENSG00000105993	DNAJB6 PPI subnetwork
MP:0008782	increased B cell apoptosis
MP:0008703	decreased interleukin-5 secretion
ENSG00000104892	KLC3 PPI subnetwork
MP:0002075	abnormal coat/hair pigmentation
GO:0010717	regulation of epithelial to mesenchymal transition
ENSG00000090060	PAPOLA PPI subnetwork
MP:0008751	abnormal interleukin level
ENSG00000185745	IFIT1 PPI subnetwork

GO:0002009	morphogenesis of an epithelium
MP:0009703	decreased birth body size
ENSG00000155966	AFF2 PPI subnetwork
REACTOME_CYCLIN_E_ASSOCIATED_EVENT	REACTOME_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1S_T
GO:0051937	catecholamine transport
GO:0002718	regulation of cytokine production involved in immune respons
ENSG00000107566	ERLIN1 PPI subnetwork
MP:0008587	short photoreceptor outer segment
GO:0009988	cell-cell recognition
ENSG00000171791	BCL2 PPI subnetwork
ENSG00000158955	WNT9B PPI subnetwork
ENSG00000075290	WNT8B PPI subnetwork
ENSG00000061492	WNT8A PPI subnetwork
ENSG00000169884	WNT10B PPI subnetwork
ENSG00000135925	WNT10A PPI subnetwork
ENSG00000105989	WNT2 PPI subnetwork
ENSG00000143816	WNT9A PPI subnetwork
ENSG00000085741	WNT11 PPI subnetwork
GO:2000736	regulation of stem cell differentiation
ENSG00000173876	TUBB8 PPI subnetwork
ENSG00000050748	MAPK9 PPI subnetwork
MP:0008456	abnormal retinal rod cell outer segment morphology
GO:0015909	long-chain fatty acid transport
GO:0030159	receptor signaling complex scaffold activity
GO:0002700	regulation of production of molecular mediator of immune res
MP:0010124	decreased bone mineral content
ENSG00000115128	ENSG00000115128 PPI subnetwork
GO:0010770	positive regulation of cell morphogenesis involved in different
GO:0009982	pseudouridine synthase activity
ENSG00000214265	SNURF PPI subnetwork
ENSG00000072210	ALDH3A2 PPI subnetwork
MP:0003141	cardiac fibrosis
ENSG00000068024	HDAC4 PPI subnetwork
REACTOME_PEPTIDE_LIGAND:BINDING_RE	REACTOME_PEPTIDE_LIGAND:BINDING_RECEPTORS
GO:0005385	zinc ion transmembrane transporter activity
GO:0044117	growth of symbiont in host
GO:0044130	negative regulation of growth of symbiont in host
GO:0044146	negative regulation of growth of symbiont involved in interact
GO:0044144	modulation of growth of symbiont involved in interaction with
GO:0044110	growth involved in symbiotic interaction
GO:0044116	growth of symbiont involved in interaction with host
GO:0044126	regulation of growth of symbiont in host
MP:0002641	anisopoikilocytosis
GO:0034339	regulation of transcription from RNA polymerase II promoter b
MP:0002544	brachydactyly
ENSG00000104960	PTOV1 PPI subnetwork
ENSG00000123124	WWP1 PPI subnetwork
ENSG00000118491	C6orf94 PPI subnetwork
REACTOME_RIG:IMDA5_MEDIATED_INDUC	REACTOME_RIG:IMDA5_MEDIATED_INDUCTION_OF_IFN:ALPI
GO:0042476	odontogenesis

ENSG00000064012	CASP8 PPI subnetwork
GO:0031669	cellular response to nutrient levels
ENSG00000155897	ADCY8 PPI subnetwork
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELLULAR_PROTEINS
ENSG00000197616	MYH6 PPI subnetwork
MP:0000708	thymus hyperplasia
MP:0004704	short vertebral column
ENSG00000013293	SLC7A14 PPI subnetwork
ENSG00000099960	SLC7A4 PPI subnetwork
REACTOME_ZINC_TRANSPORTERS	REACTOME_ZINC_TRANSPORTERS
GO:0002673	regulation of acute inflammatory response
ENSG00000049759	NEDD4L PPI subnetwork
ENSG00000105248	CCDC94 PPI subnetwork
ENSG00000168090	COPS6 PPI subnetwork
GO:0010543	regulation of platelet activation
ENSG00000110801	PSMD9 PPI subnetwork
GO:0080135	regulation of cellular response to stress
ENSG00000147010	SH3KBP1 PPI subnetwork
ENSG00000124334	IL9R PPI subnetwork
MP:0004615	cervical vertebral transformation
ENSG00000214528	ENSG00000214528 PPI subnetwork
ENSG00000141510	TP53 PPI subnetwork
GO:0004861	cyclin-dependent protein kinase inhibitor activity
ENSG00000005007	UPF1 PPI subnetwork
GO:0045787	positive regulation of cell cycle
ENSG00000106829	TLE4 PPI subnetwork
GO:0004540	ribonuclease activity
ENSG00000168438	CDC40 PPI subnetwork
ENSG00000125743	SNRPD2 PPI subnetwork
ENSG00000170345	FOS PPI subnetwork
ENSG00000125818	PSMF1 PPI subnetwork
GO:0051092	positive regulation of NF-kappaB transcription factor activity
ENSG00000165732	DDX21 PPI subnetwork
GO:0004364	glutathione transferase activity
GO:0051047	positive regulation of secretion
ENSG00000157557	ETS2 PPI subnetwork
ENSG00000142949	PTPRF PPI subnetwork
MP:0008585	absent photoreceptor outer segment
ENSG00000134215	VAV3 PPI subnetwork
ENSG00000154310	TNIK PPI subnetwork
ENSG00000182944	EWSR1 PPI subnetwork
ENSG00000148248	SURF4 PPI subnetwork
MP:0004007	abnormal lung vasculature morphology
ENSG00000102981	PARD6A PPI subnetwork
GO:0008585	female gonad development
ENSG00000181222	POLR2A PPI subnetwork
ENSG00000121858	TNFSF10 PPI subnetwork
REACTOME_CELL_CYCLE_CHECKPOINTS	REACTOME_CELL_CYCLE_CHECKPOINTS
ENSG00000115524	SF3B1 PPI subnetwork
ENSG00000115590	IL1R2 PPI subnetwork

GO:0050912	detection of chemical stimulus involved in sensory perception
MP:0000807	abnormal hippocampus morphology
MP:0005463	abnormal CD4-positive T cell physiology
ENSG00000188153	COL4A5 PPI subnetwork
GO:0034762	regulation of transmembrane transport
ENSG00000154767	XPC PPI subnetwork
ENSG00000173473	SMARCC1 PPI subnetwork
GO:0009119	ribonucleoside metabolic process
MP:0000135	decreased compact bone thickness
ENSG00000095637	SORBS1 PPI subnetwork
ENSG00000163918	RFC4 PPI subnetwork
ENSG00000169957	ZNF768 PPI subnetwork
MP:0008190	decreased transitional stage B cell number
ENSG00000186340	THBS2 PPI subnetwork
ENSG00000124207	CSE1L PPI subnetwork
KEGG_P53_SIGNALING_PATHWAY	KEGG_P53_SIGNALING_PATHWAY
ENSG00000170421	KRT8 PPI subnetwork
GO:0030547	receptor inhibitor activity
GO:0048019	receptor antagonist activity
ENSG00000118181	RPS25 PPI subnetwork
ENSG00000066032	CTNNA2 PPI subnetwork
ENSG00000105371	ICAM4 PPI subnetwork
MP:0001005	abnormal retinal rod cell morphology
ENSG00000068878	PSME4 PPI subnetwork
ENSG00000133027	PEMT PPI subnetwork
ENSG00000170606	HSPA4 PPI subnetwork
ENSG00000163902	RPN1 PPI subnetwork
GO:0003073	regulation of systemic arterial blood pressure
ENSG00000125676	THOC2 PPI subnetwork
ENSG00000100926	TM9SF1 PPI subnetwork
GO:0014911	positive regulation of smooth muscle cell migration
ENSG00000174766	ENSG00000174766 PPI subnetwork
ENSG00000212802	ENSG00000212802 PPI subnetwork
MP:0005543	corneal thinning
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION_IN_THE_M
MP:0008024	absent lymph nodes
MP:0003503	decreased activity of thyroid
GO:0030674	protein binding, bridging
ENSG00000123737	EXOSC9 PPI subnetwork
ENSG00000188986	COBRA1 PPI subnetwork
GO:0008237	metallopeptidase activity
GO:0008175	tRNA methyltransferase activity
MP:0004024	aneuploidy
MP:0000141	abnormal vertebral body morphology
ENSG00000165476	REEP3 PPI subnetwork
ENSG00000119392	GLE1 PPI subnetwork
GO:0046332	SMAD binding
ENSG00000100519	PSMC6 PPI subnetwork
REACTOME_PEPTIDE_HORMONE_BIOSYNTI	REACTOME_PEPTIDE_HORMONE_BIOSYNTHESIS
ENSG00000037241	RPL26L1 PPI subnetwork

MP:0008126	increased dendritic cell number
KEGG_SPHINGOLIPID_METABOLISM	KEGG_SPHINGOLIPID_METABOLISM
GO:0060338	regulation of type I interferon-mediated signaling pathway
GO:0001657	ureteric bud development
MP:0000343	altered response to myocardial infarction
MP:0006032	abnormal ureteric bud morphology
ENSG00000143393	PI4KB PPI subnetwork
ENSG00000118523	CTGF PPI subnetwork
MP:0008582	short photoreceptor inner segment
ENSG00000127993	RBM48 PPI subnetwork
ENSG00000126267	COX6B1 PPI subnetwork
KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS	KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS
GO:0008509	anion transmembrane transporter activity
MP:0001327	decreased retinal photoreceptor cell number
MP:0000830	abnormal diencephalon morphology
ENSG00000206308	HLA-DRA PPI subnetwork
GO:0005791	rough endoplasmic reticulum
ENSG00000131462	TUBG1 PPI subnetwork
GO:0048557	embryonic digestive tract morphogenesis
GO:0070371	ERK1 and ERK2 cascade
ENSG00000183765	CHEK2 PPI subnetwork
GO:0008026	ATP-dependent helicase activity
GO:0070035	purine NTP-dependent helicase activity
GO:0030308	negative regulation of cell growth
ENSG00000112992	NNT PPI subnetwork
GO:0005540	hyaluronic acid binding
ENSG00000215440	NPEPL1 PPI subnetwork
ENSG00000143373	ZNF687 PPI subnetwork
GO:0032270	positive regulation of cellular protein metabolic process
ENSG00000121741	ZMYM2 PPI subnetwork
ENSG00000136518	ACTL6A PPI subnetwork
GO:0001655	urogenital system development
MP:0002871	albuminuria
GO:0009072	aromatic amino acid family metabolic process
ENSG00000120709	FAM53C PPI subnetwork
ENSG00000055732	MCOLN3 PPI subnetwork
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_TRISTETRAPRO
MP:0000276	heart right ventricle hypertrophy
ENSG00000174243	DDX23 PPI subnetwork
MP:0004803	increased susceptibility to autoimmune diabetes
ENSG00000075673	ATP12A PPI subnetwork
ENSG00000129315	CCNT1 PPI subnetwork
MP:0011320	abnormal glomerular capillary morphology
GO:0007586	digestion
ENSG00000137992	DBT PPI subnetwork
ENSG00000116350	SRSF4 PPI subnetwork
ENSG00000131791	PRKAB2 PPI subnetwork
GO:0010638	positive regulation of organelle organization
GO:0032259	methylation
REACTOME_REGULATION_OF_MITOTIC_CE	REACTOME_REGULATION_OF_MITOTIC_CELL_CYCLE

REACTOME_APCC:MEDIATED_DEGRADATIC	REACTOME_APCC:MEDIATED_DEGRADATION_OF_CELL_CYCLI
ENSG00000166889	PATL1 PPI subnetwork
ENSG00000179348	GATA2 PPI subnetwork
REACTOME_ADAPTIVE_IMMUNE_SYSTEM	REACTOME_ADAPTIVE_IMMUNE_SYSTEM
ENSG00000143621	ILF2 PPI subnetwork
MP:0005070	impaired NK cell cytolysis
ENSG00000005156	LIG3 PPI subnetwork
GO:0007031	peroxisome organization
MP:0003861	abnormal nervous system development
MP:0008495	decreased IgG1 level
ENSG00000114503	NCBP2 PPI subnetwork
MP:0009746	enhanced behavioral response to xenobiotic
ENSG00000114127	XRN1 PPI subnetwork
ENSG00000108679	LGALS3BP PPI subnetwork
GO:0008378	galactosyltransferase activity
ENSG00000065150	IPO5 PPI subnetwork
ENSG00000164404	GDF9 PPI subnetwork
ENSG00000153162	BMP6 PPI subnetwork
ENSG00000130638	ATXN10 PPI subnetwork
MP:0010373	myeloid hyperplasia
GO:0016893	endonuclease activity, active with either ribo- or deoxyribonuc
GO:0031400	negative regulation of protein modification process
REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLR2_CASCADE
REACTOME_MYD88MAL_CASCADE_INITIAT	REACTOME_MYD88MAL_CASCADE_INITIATED_ON_PLASMA_I
REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_	REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLR2_CASCADE
GO:0006182	cGMP biosynthetic process
ENSG00000124193	SRSF6 PPI subnetwork
ENSG00000130204	TOMM40 PPI subnetwork
ENSG00000171992	SYNPO PPI subnetwork
MP:0008246	abnormal leukocyte morphology
ENSG00000168028	RPSA PPI subnetwork
ENSG00000100304	TTLL12 PPI subnetwork
GO:0005921	gap junction
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS
REACTOME_EGFR_DOWNREGULATION	REACTOME_EGFR_DOWNREGULATION
REACTOME_SIGNALING_BY_NOTCH	REACTOME_SIGNALING_BY_NOTCH
ENSG00000081985	IL12RB2 PPI subnetwork
ENSG00000105369	CD79A PPI subnetwork
ENSG00000143995	MEIS1 PPI subnetwork
GO:0015294	solute:cation symporter activity
MP:0001222	epidermal hyperplasia
GO:0006625	protein targeting to peroxisome
GO:0072663	establishment of protein localization to peroxisome
GO:0072662	protein localization to peroxisome
ENSG00000169564	PCBP1 PPI subnetwork
GO:0042092	type 2 immune response
ENSG00000150347	ARID5B PPI subnetwork
GO:0042063	gliogenesis
REACTOME_TAT:MEDIATED_HIV:1_ELONG/	REACTOME_TAT:MEDIATED_HIV:1_ELONGATION_ARREST_AN

REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_TAT:MEDIATED_H
ENSG00000142675	CNKSR1 PPI subnetwork
ENSG00000111432	FZD10 PPI subnetwork
ENSG00000164930	FZD6 PPI subnetwork
GO:0043410	positive regulation of MAPK cascade
ENSG00000125630	POLR1B PPI subnetwork
ENSG00000106367	AP1S1 PPI subnetwork
GO:0022804	active transmembrane transporter activity
MP:0004423	abnormal squamosal bone morphology
MP:0000088	short mandible
ENSG00000173465	SSSCA1 PPI subnetwork
ENSG00000119772	DNMT3A PPI subnetwork
ENSG00000100368	CSF2RB PPI subnetwork
ENSG00000153201	RANBP2 PPI subnetwork
MP:0000274	enlarged heart
REACTOME_TOLL_LIKE_RECEPTOR_10_TLR	REACTOME_TOLL_LIKE_RECEPTOR_10_TLR10_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_	REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_CASCADE
REACTOME_MYD88_CASCADE_INITIATED_(	REACTOME_MYD88_CASCADE_INITIATED_ON_PLASMA_MEM
ENSG00000148143	ZNF462 PPI subnetwork
GO:0035097	histone methyltransferase complex
GO:0034708	methyltransferase complex
ENSG00000149257	SERPINH1 PPI subnetwork
ENSG00000137656	BUD13 PPI subnetwork
GO:0030917	midbrain-hindbrain boundary development
MP:0008388	hypochromic microcytic anemia
ENSG00000144381	HSPD1 PPI subnetwork
GO:0048593	camera-type eye morphogenesis
ENSG00000085662	AKR1B1 PPI subnetwork
GO:0051130	positive regulation of cellular component organization
MP:0004566	myocardial fiber degeneration
ENSG00000169375	SIN3A PPI subnetwork
MP:0001293	anophthalmia
GO:0030131	clathrin adaptor complex
ENSG00000143398	PIP5K1A PPI subnetwork
GO:0004930	G-protein coupled receptor activity
MP:0001183	overexpanded pulmonary alveoli
MP:0000733	abnormal muscle development
MP:0000248	macrocytosis
ENSG00000198053	SIRPA PPI subnetwork
ENSG00000129691	ASH2L PPI subnetwork
ENSG00000100201	DDX17 PPI subnetwork
ENSG00000070010	UFD1L PPI subnetwork
ENSG00000127511	SIN3B PPI subnetwork
MP:0000125	absent incisors
GO:0051568	histone H3-K4 methylation
GO:0031329	regulation of cellular catabolic process
GO:0008022	protein C-terminus binding
MP:0002765	short fibula
ENSG00000177963	RIC8A PPI subnetwork
MP:0004985	decreased osteoclast cell number

GO:0035023	regulation of Rho protein signal transduction
GO:2001252	positive regulation of chromosome organization
MP:0006262	testis tumor
GO:0005858	axonemal dynein complex
ENSG00000130803	ZNF317 PPI subnetwork
GO:0001570	vasculogenesis
MP:0003729	abnormal photoreceptor outer segment morphology
ENSG00000061987	MON2 PPI subnetwork
ENSG00000134602	ENSG00000134602 PPI subnetwork
ENSG00000175467	SART1 PPI subnetwork
REACTOME_ASSOCIATION_OF_LICENSING_	REACTOME_ASSOCIATION_OF_LICENSING_FACTORS_WITH_TI
MP:0000759	abnormal skeletal muscle morphology
GO:0000940	condensed chromosome outer kinetochore
ENSG00000119917	IFIT3 PPI subnetwork
ENSG00000092847	EIF2C1 PPI subnetwork
ENSG00000147869	CER1 PPI subnetwork
ENSG00000119139	TJP2 PPI subnetwork
ENSG00000049246	PER3 PPI subnetwork
ENSG00000215902	ENSG00000215902 PPI subnetwork
ENSG00000078399	HOXA9 PPI subnetwork
ENSG00000136603	SKIL PPI subnetwork
GO:0001968	fibronectin binding
ENSG00000170653	ATF7 PPI subnetwork
MP:0008133	decreased Peyer's patch number
GO:0006874	cellular calcium ion homeostasis
ENSG00000134184	GSTM1 PPI subnetwork
MP:0001422	abnormal drinking behavior
MP:0002835	abnormal cranial suture morphology
MP:0003216	absence seizures
MP:0000633	abnormal pituitary gland morphology
ENSG00000171552	BCL2L1 PPI subnetwork
ENSG00000127920	GNG11 PPI subnetwork
MP:0005362	abnormal Langerhans cell physiology
MP:0000279	ventricular hypoplasia
MP:0005350	increased susceptibility to autoimmune disorder
GO:0043903	regulation of symbiosis, encompassing mutualism through par
GO:0090103	cochlea morphogenesis
ENSG00000139197	PEX5 PPI subnetwork
GO:0072210	metanephric nephron development
ENSG00000026508	CD44 PPI subnetwork
GO:0006875	cellular metal ion homeostasis
GO:0032589	neuron projection membrane
GO:0043395	heparan sulfate proteoglycan binding
REACTOME_NFKB_AND_MAP_KINASES_AC	REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIAT
ENSG00000008710	PKD1 PPI subnetwork
ENSG00000206206	DAXX PPI subnetwork
ENSG00000206279	DAXX PPI subnetwork
ENSG00000204209	DAXX PPI subnetwork
GO:0045165	cell fate commitment
GO:0046545	development of primary female sexual characteristics

ENSG00000164107	HAND2 PPI subnetwork
GO:0002695	negative regulation of leukocyte activation
MP:0002106	abnormal muscle physiology
REACTOME_INTERLEUKIN:1_SIGNALING	REACTOME_INTERLEUKIN:1_SIGNALING
ENSG00000064601	CTSA PPI subnetwork
ENSG00000101473	ACOT8 PPI subnetwork
REACTOME_ELONGATION_ARREST_AND_R	REACTOME_ELONGATION_ARREST_AND_RECOVERY
REACTOME_HIV:1_ELONGATION_ARREST_A	REACTOME_HIV:1_ELONGATION_ARREST_AND_RECOVERY
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_ELONGATION
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_HIV:1_ELONGATI(
ENSG00000130522	JUND PPI subnetwork
GO:0034694	response to prostaglandin stimulus
ENSG00000141837	CACNA1A PPI subnetwork
MP:0002954	abnormal aerobic energy metabolism
GO:0045446	endothelial cell differentiation
ENSG00000129219	PLD2 PPI subnetwork
GO:0042475	odontogenesis of dentin-containing tooth
ENSG00000179041	RRS1 PPI subnetwork
ENSG00000135547	HEY2 PPI subnetwork
MP:0001106	abnormal Schwann cell morphology
ENSG00000120899	PTK2B PPI subnetwork
GO:0060425	lung morphogenesis
ENSG00000138378	STAT4 PPI subnetwork
MP:0003632	abnormal nervous system morphology
MP:0001177	atelectasis
ENSG00000163435	ELF3 PPI subnetwork
ENSG00000167930	ITFG3 PPI subnetwork
ENSG00000101665	SMAD7 PPI subnetwork
ENSG00000115274	INO80B PPI subnetwork
ENSG00000100294	MCAT PPI subnetwork
MP:0005241	abnormal retinal ganglion layer morphology
ENSG00000174231	PRPF8 PPI subnetwork
ENSG00000077063	CTTNBP2 PPI subnetwork
GO:0015179	L-amino acid transmembrane transporter activity
ENSG00000096996	IL12RB1 PPI subnetwork
MP:0008750	abnormal interferon level
MP:0001433	polyphagia
ENSG00000001626	CFTR PPI subnetwork
GO:0001945	lymph vessel development
ENSG00000099995	SF3A1 PPI subnetwork
GO:0009086	methionine biosynthetic process
ENSG00000074319	TSG101 PPI subnetwork
GO:0044452	nucleolar part
ENSG00000089693	MLF2 PPI subnetwork
MP:0008687	increased interleukin-2 secretion
ENSG00000182511	FES PPI subnetwork
ENSG00000155329	ZCCHC10 PPI subnetwork
GO:0045777	positive regulation of blood pressure
ENSG00000137710	RDX PPI subnetwork
MP:0002467	impaired neutrophil phagocytosis

REACTOME_CHEMOKINE_RECEPTORS_BINI	REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
GO:0006541	glutamine metabolic process
GO:0060419	heart growth
GO:0051569	regulation of histone H3-K4 methylation
ENSG00000130402	ACTN4 PPI subnetwork
ENSG00000185432	METTL7A PPI subnetwork
REACTOME_INTERACTIONS_OF_VPR_WITH	REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_
GO:0005884	actin filament
GO:0006809	nitric oxide biosynthetic process
ENSG00000147082	CCNB3 PPI subnetwork
GO:0045335	phagocytic vesicle
REACTOME_REGULATION_OF_KIT_SIGNALI	REACTOME_REGULATION_OF_KIT_SIGNALING
ENSG00000121653	MAPK8IP1 PPI subnetwork
ENSG00000177156	TALDO1 PPI subnetwork
ENSG00000084073	ZMPSTE24 PPI subnetwork
GO:0005681	spliceosomal complex
REACTOME_MITOTIC_G1:G1S_PHASES	REACTOME_MITOTIC_G1:G1S_PHASES
ENSG00000166170	BAG5 PPI subnetwork
ENSG00000115596	WNT6 PPI subnetwork
ENSG00000068654	POLR1A PPI subnetwork
GO:0051188	cofactor biosynthetic process
GO:0015108	chloride transmembrane transporter activity
MP:0004204	absent stapes
REACTOME_AMINE_LIGAND:BINDING_RECI	REACTOME_AMINE_LIGAND:BINDING_RECEPTORS
GO:0070372	regulation of ERK1 and ERK2 cascade
ENSG00000167670	CHAF1A PPI subnetwork
ENSG00000105662	CRTC1 PPI subnetwork
GO:0048010	vascular endothelial growth factor receptor signaling pathway
MP:0008280	male germ cell apoptosis
MP:0000813	abnormal hippocampus layer morphology
MP:0003120	abnormal tracheal cartilage morphology
ENSG00000093009	CDC45 PPI subnetwork
MP:0001876	decreased inflammatory response
MP:0005107	abnormal stapes morphology
ENSG00000183691	NOG PPI subnetwork
ENSG00000117480	FAAH PPI subnetwork
MP:0004189	abnormal alveolar process morphology
GO:0032102	negative regulation of response to external stimulus
ENSG00000179950	PUF60 PPI subnetwork
ENSG00000169136	ATF5 PPI subnetwork
GO:0071901	negative regulation of protein serine/threonine kinase activity
MP:0002796	impaired skin barrier function
MP:0002461	increased immunoglobulin level
KEGG_NOTCH_SIGNALING_PATHWAY	KEGG_NOTCH_SIGNALING_PATHWAY
ENSG00000143768	LEFTY2 PPI subnetwork
GO:0016410	N-acyltransferase activity
MP:0003324	increased liver adenoma incidence
ENSG00000185518	SV2B PPI subnetwork
MP:0010090	increased circulating creatine kinase level
GO:0007044	cell-substrate junction assembly

ENSG00000189283	FHIT PPI subnetwork
MP:0005542	corneal vascularization
ENSG00000108175	ZMIZ1 PPI subnetwork
GO:0015291	secondary active transmembrane transporter activity
ENSG00000074054	CLASP1 PPI subnetwork
ENSG00000204843	DCTN1 PPI subnetwork
REACTOME_PEROXISOMAL_LIPID_METABO	REACTOME_PEROXISOMAL_LIPID_METABOLISM
REACTOME_CLASS_I_MHC_MEDIATED_ANT	REACTOME_CLASS_I_MHC_MEDIATED_ANTIGEN_PROCESSIN(
GO:0031625	ubiquitin protein ligase binding
KEGG_APOPTOSIS	KEGG_APOPTOSIS
ENSG00000196419	XRCC6 PPI subnetwork
ENSG00000171241	SHCBP1 PPI subnetwork
MP:0002818	abnormal dentin morphology
ENSG00000065833	ME1 PPI subnetwork
REACTOME_SEROTONIN_RECEPTORS	REACTOME_SEROTONIN_RECEPTORS
ENSG00000164708	PGAM2 PPI subnetwork
MP:0004113	abnormal aortic arch morphology
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRON:CC
REACTOME_MRNA_3:END_PROCESSING	REACTOME_MRNA_3:END_PROCESSING
ENSG00000029725	RABEP1 PPI subnetwork
GO:0042288	MHC class I protein binding
GO:0016891	endoribonuclease activity, producing 5'-phosphomonoesters
MP:0003222	increased cardiomyocyte apoptosis
ENSG00000166025	AMOTL1 PPI subnetwork
GO:0005083	small GTPase regulator activity
GO:0042742	defense response to bacterium
ENSG00000167553	TUBA1C PPI subnetwork
ENSG00000156304	SCAF4 PPI subnetwork
ENSG00000131269	ABCB7 PPI subnetwork
REACTOME_G1S_TRANSITION	REACTOME_G1S_TRANSITION
GO:0030119	AP-type membrane coat adaptor complex
GO:0034061	DNA polymerase activity
GO:0005776	autophagic vacuole
MP:0003052	omphalocele
ENSG00000115884	SDC1 PPI subnetwork
MP:0006030	abnormal otic vesicle development
GO:0018298	protein-chromophore linkage
ENSG00000133313	CNDP2 PPI subnetwork
MP:0003886	abnormal embryonic epiblast morphology
MP:0000111	cleft palate
MP:0004616	lumbar vertebral transformation
GO:0002521	leukocyte differentiation
GO:0005839	proteasome core complex
MP:0005150	cachexia
GO:0031016	pancreas development
ENSG00000134243	SORT1 PPI subnetwork
ENSG00000198034	RPS4X PPI subnetwork
ENSG00000162614	NEXN PPI subnetwork
ENSG00000101843	PSMD10 PPI subnetwork
ENSG00000124145	SDC4 PPI subnetwork

GO:0043021	ribonucleoprotein complex binding
GO:0032393	MHC class I receptor activity
MP:0001156	abnormal spermatogenesis
MP:0001505	hunched posture
ENSG00000196586	MYO6 PPI subnetwork
GO:0006664	glycolipid metabolic process
ENSG00000078747	ITCH PPI subnetwork
ENSG00000129473	BCL2L2 PPI subnetwork
GO:0001726	ruffle
MP:0004875	increased mean systemic arterial blood pressure
MP:0001953	respiratory failure
GO:0060041	retina development in camera-type eye
ENSG00000035403	VCL PPI subnetwork
ENSG00000157766	ACAN PPI subnetwork
ENSG00000182319	SGK223 PPI subnetwork
GO:0060330	regulation of response to interferon-gamma
GO:0060334	regulation of interferon-gamma-mediated signaling pathway
ENSG00000009335	UBE3C PPI subnetwork
GO:0031225	anchored to membrane
ENSG00000071051	NCK2 PPI subnetwork
ENSG00000162385	MAGOH PPI subnetwork
GO:0015171	amino acid transmembrane transporter activity
MP:0002932	abnormal joint morphology
GO:0048487	beta-tubulin binding
ENSG00000168502	CCDC165 PPI subnetwork
KEGG_TYPE_II_DIABETES_MELLITUS	KEGG_TYPE_II_DIABETES_MELLITUS
MP:0000121	failure of tooth eruption
ENSG00000067704	IARS2 PPI subnetwork
ENSG00000108468	CBX1 PPI subnetwork
GO:0015293	symporter activity
MP:0000097	short maxilla
GO:0042623	ATPase activity, coupled
ENSG00000047410	TPR PPI subnetwork
GO:0001046	core promoter sequence-specific DNA binding
GO:0032835	glomerulus development
ENSG00000100170	SLC5A1 PPI subnetwork
ENSG00000102898	NUTF2 PPI subnetwork
GO:0022604	regulation of cell morphogenesis
MP:0008186	increased pro-B cell number
MP:0002626	increased heart rate
GO:0000165	MAPK cascade
GO:0007623	circadian rhythm
GO:0072507	divalent inorganic cation homeostasis
MP:0002840	abnormal lens fiber morphology
GO:0035265	organ growth
MP:0000079	abnormal basioccipital bone morphology
ENSG00000100079	LGALS2 PPI subnetwork
ENSG00000102804	TSC22D1 PPI subnetwork
ENSG00000064703	DDX20 PPI subnetwork
MP:0008476	increased spleen red pulp amount

ENSG00000152256	PDK1 PPI subnetwork
REACTOME_PYRIMIDINE_METABOLISM	REACTOME_PYRIMIDINE_METABOLISM
GO:0006555	methionine metabolic process
ENSG00000136875	PRPF4 PPI subnetwork
ENSG00000112249	ASCC3 PPI subnetwork
GO:0035924	cellular response to vascular endothelial growth factor stimulu
MP:0000562	polydactyly
GO:0015101	organic cation transmembrane transporter activity
ENSG00000108107	RPL28 PPI subnetwork
GO:0048841	regulation of axon extension involved in axon guidance
GO:0009103	lipopolysaccharide biosynthetic process
ENSG00000125482	TTF1 PPI subnetwork
REACTOME_MRNA_SPLICING_:_MINOR_PA	REACTOME_MRNA_SPLICING_:_MINOR_PATHWAY
MP:0002114	abnormal axial skeleton morphology
REACTOME_UNWINDING_OF_DNA	REACTOME_UNWINDING_OF_DNA
MP:0003732	abnormal retinal outer plexiform layer morphology
ENSG00000076003	MCM6 PPI subnetwork
ENSG00000065978	YBX1 PPI subnetwork
ENSG00000188130	MAPK12 PPI subnetwork
GO:0009303	rRNA transcription
ENSG00000183305	MAGEA2B PPI subnetwork
MP:0003648	abnormal radial glial cell morphology
GO:0006400	tRNA modification
MP:0002100	abnormal tooth morphology
ENSG00000026025	VIM PPI subnetwork
ENSG00000197822	OCLN PPI subnetwork
ENSG00000164109	MAD2L1 PPI subnetwork
REACTOME_CTLA4_INHIBITORY_SIGNALING	REACTOME_CTLA4_INHIBITORY_SIGNALING
ENSG00000137275	RIPK1 PPI subnetwork
ENSG00000112526	ENSG00000112526 PPI subnetwork
ENSG00000204256	BRD2 PPI subnetwork
ENSG00000215077	BRD2 PPI subnetwork
ENSG00000159217	IGF2BP1 PPI subnetwork
ENSG00000138071	ACTR2 PPI subnetwork
ENSG00000204523	ENSG00000204523 PPI subnetwork
ENSG00000168005	C11orf84 PPI subnetwork
MP:0009583	increased keratinocyte proliferation
ENSG00000149084	HSD17B12 PPI subnetwork
MP:0003084	abnormal skeletal muscle fiber morphology
MP:0001261	obese
MP:0000751	myopathy
ENSG00000114062	UBE3A PPI subnetwork
GO:0046902	regulation of mitochondrial membrane permeability
ENSG00000140575	IQGAP1 PPI subnetwork
GO:0042094	interleukin-2 biosynthetic process
GO:0008299	isoprenoid biosynthetic process
GO:0005099	Ras GTPase activator activity
ENSG00000154096	THY1 PPI subnetwork
MP:0004509	abnormal pelvic girdle bone morphology
ENSG00000109906	ZBTB16 PPI subnetwork

GO:0004715	non-membrane spanning protein tyrosine kinase activity
MP:0000556	abnormal hindlimb morphology
GO:0010038	response to metal ion
ENSG00000149948	HMGA2 PPI subnetwork
ENSG00000163362	C1orf106 PPI subnetwork
ENSG00000134001	EIF2S1 PPI subnetwork
MP:0008661	decreased interleukin-10 secretion
GO:0044454	nuclear chromosome part
ENSG00000163602	RYBP PPI subnetwork
GO:0042572	retinol metabolic process
MP:0001858	intestinal inflammation
ENSG00000139515	PDX1 PPI subnetwork
ENSG00000142871	CYR61 PPI subnetwork
GO:0006778	porphyrin-containing compound metabolic process
GO:0033013	tetrapyrrole metabolic process
GO:0030684	preribosome
MP:0002452	abnormal antigen presenting cell physiology
ENSG00000140396	NCOA2 PPI subnetwork
ENSG00000125651	GTF2F1 PPI subnetwork
ENSG00000107562	CXCL12 PPI subnetwork
ENSG00000133706	LARS PPI subnetwork
MP:0005565	increased blood urea nitrogen level
MP:0003945	abnormal lymphocyte physiology
GO:0090183	regulation of kidney development
ENSG00000065485	PDIA5 PPI subnetwork
GO:0050433	regulation of catecholamine secretion
GO:0000030	mannosyltransferase activity
MP:0006410	abnormal common myeloid progenitor cell morphology
ENSG00000111361	EIF2B1 PPI subnetwork
ENSG00000134202	GSTM3 PPI subnetwork
MP:0000823	abnormal lateral ventricle morphology
ENSG00000138439	FAM117B PPI subnetwork
REACTOME_MITOTIC_M:MG1_PHASES	REACTOME_MITOTIC_M:MG1_PHASES
GO:0001706	endoderm formation
MP:0004163	abnormal adenohypophysis morphology
GO:0030286	dynein complex
ENSG00000140443	IGF1R PPI subnetwork
ENSG00000170144	HNRNPA3 PPI subnetwork
GO:0009067	aspartate family amino acid biosynthetic process
GO:0060333	interferon-gamma-mediated signaling pathway
ENSG00000172053	QARS PPI subnetwork
ENSG00000130762	ARHGEF16 PPI subnetwork
GO:0042537	benzene-containing compound metabolic process
ENSG00000165934	CPSF2 PPI subnetwork
MP:0000280	thin ventricular wall
MP:0008699	increased interleukin-4 secretion
ENSG00000155957	TMBIM4 PPI subnetwork
ENSG00000170515	PA2G4 PPI subnetwork
GO:0005372	water transmembrane transporter activity
ENSG00000160062	ZBTB8A PPI subnetwork

ENSG00000100150	DEPDC5 PPI subnetwork
GO:0032680	regulation of tumor necrosis factor production
GO:0032640	tumor necrosis factor production
GO:0002889	regulation of immunoglobulin mediated immune response
GO:0043270	positive regulation of ion transport
MP:0005153	abnormal B cell proliferation
ENSG00000130340	SNX9 PPI subnetwork
MP:0003728	abnormal retinal photoreceptor layer morphology
GO:0071363	cellular response to growth factor stimulus
ENSG00000164163	ABCE1 PPI subnetwork
GO:0070848	response to growth factor stimulus
GO:0004004	ATP-dependent RNA helicase activity
ENSG00000169242	EFNA1 PPI subnetwork
ENSG00000074800	ENO1 PPI subnetwork
ENSG00000119401	TRIM32 PPI subnetwork
ENSG00000131043	C20orf4 PPI subnetwork
GO:0043566	structure-specific DNA binding
MP:0009790	decreased susceptibility to viral infection induced morbidity/m
ENSG00000113712	CSNK1A1 PPI subnetwork
ENSG00000177380	PPFIA3 PPI subnetwork
KEGG_NON_SMALL_CELL_LUNG_CANCER	KEGG_NON_SMALL_CELL_LUNG_CANCER
GO:0030595	leukocyte chemotaxis
ENSG00000169682	SPNS1 PPI subnetwork
ENSG00000025796	SEC63 PPI subnetwork
ENSG00000020577	SAMD4A PPI subnetwork
ENSG00000185291	IL3RA PPI subnetwork
GO:0009593	detection of chemical stimulus
GO:0022627	cytosolic small ribosomal subunit
ENSG00000153827	TRIP12 PPI subnetwork
ENSG00000175054	ATR PPI subnetwork
MP:0005202	lethargy
MP:0002335	decreased airway responsiveness
ENSG00000143801	PSEN2 PPI subnetwork
ENSG00000178568	ERBB4 PPI subnetwork
GO:0045121	membrane raft
ENSG00000115694	STK25 PPI subnetwork
GO:0051348	negative regulation of transferase activity
GO:0030261	chromosome condensation
MP:0003911	increased drinking behavior
GO:0042278	purine nucleoside metabolic process
ENSG00000184985	SORCS2 PPI subnetwork
ENSG00000106245	BUD31 PPI subnetwork
MP:0004703	abnormal vertebral column morphology
GO:0060411	cardiac septum morphogenesis
ENSG00000172977	KAT5 PPI subnetwork
GO:0035162	embryonic hemopoiesis
ENSG00000104695	PPP2CB PPI subnetwork
REACTOME_ACTIVATED_TAK1_MEDIATES_I	REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVA
ENSG00000075426	FOSL2 PPI subnetwork
ENSG00000196776	CD47 PPI subnetwork

MP:0000717	abnormal lymphocyte cell number
ENSG00000065135	GNAI3 PPI subnetwork
MP:0006069	abnormal retinal neuronal layer morphology
GO:0000122	negative regulation of transcription from RNA polymerase II pı
GO:0008633	activation of pro-apoptotic gene products
ENSG00000164045	CDC25A PPI subnetwork
GO:0035257	nuclear hormone receptor binding
ENSG00000054523	KIF1B PPI subnetwork
ENSG00000189162	ENSG00000189162 PPI subnetwork
GO:0045088	regulation of innate immune response
ENSG00000151247	EIF4E PPI subnetwork
GO:0002708	positive regulation of lymphocyte mediated immunity
GO:0002705	positive regulation of leukocyte mediated immunity
MP:0009414	skeletal muscle fiber necrosis
ENSG00000147202	DIAPH2 PPI subnetwork
GO:0032729	positive regulation of interferon-gamma production
MP:0004045	abnormal cell cycle checkpoint function
ENSG00000163558	PRKCI PPI subnetwork
ENSG00000184863	RBM33 PPI subnetwork
ENSG00000147669	POLR2K PPI subnetwork
ENSG00000162924	REL PPI subnetwork
MP:0008023	abnormal styloid process morphology
MP:0006000	abnormal corneal epithelium morphology
ENSG00000185104	FAF1 PPI subnetwork
GO:0008301	DNA binding, bending
GO:0042088	T-helper 1 type immune response
MP:0001328	disorganized retinal layers
ENSG00000159348	CYB5R1 PPI subnetwork
ENSG00000015171	ZMYND11 PPI subnetwork
ENSG00000139514	SLC7A1 PPI subnetwork
GO:0015103	inorganic anion transmembrane transporter activity
MP:0000534	abnormal ureter morphology
ENSG00000087303	NID2 PPI subnetwork
GO:0032330	regulation of chondrocyte differentiation
ENSG00000111186	WNT5B PPI subnetwork
GO:0031231	intrinsic to peroxisomal membrane
GO:0005779	integral to peroxisomal membrane
GO:0016594	glycine binding
ENSG00000117906	RCN2 PPI subnetwork
ENSG00000146587	RBAK PPI subnetwork
ENSG00000129084	PSMA1 PPI subnetwork
GO:0032365	intracellular lipid transport
ENSG00000100906	NFKBIA PPI subnetwork
MP:0002753	dilated heart left ventricle
KEGG_LEISHMANIA_INFECTION	KEGG_LEISHMANIA_INFECTION
ENSG00000145604	SKP2 PPI subnetwork
GO:0007492	endoderm development
MP:0005619	increased urine potassium level
GO:0016571	histone methylation
MP:0004471	short nasal bone

ENSG00000149091	DGKZ PPI subnetwork
GO:0005085	guanyl-nucleotide exchange factor activity
MP:0000371	diluted coat color
ENSG00000157456	CCNB2 PPI subnetwork
ENSG00000126945	HNRNPH2 PPI subnetwork
ENSG00000183625	CCR3 PPI subnetwork
REACTOME_CDC6_ASSOCIATION_WITH_TH	REACTOME_CDC6_ASSOCIATION_WITH_THE_ORCORIGIN_CO
MP:0008076	abnormal CD4-positive T cell differentiation
ENSG00000166793	YPEL4 PPI subnetwork
GO:0045907	positive regulation of vasoconstriction
ENSG00000197930	ERO1L PPI subnetwork
REACTOME_TOLL_LIKE_RECEPTOR_78_TLR	REACTOME_TOLL_LIKE_RECEPTOR_78_TLR78_CASCADE
REACTOME_MYD88_DEPENDENT_CASCADE	REACTOME_MYD88_DEPENDENT_CASCADE_INITIATED_ON_E
GO:0022602	ovulation cycle process
MP:0008719	impaired neutrophil recruitment
ENSG00000138029	HADHB PPI subnetwork
MP:0002774	small prostate gland
ENSG00000173011	TADA2B PPI subnetwork
GO:0019079	viral genome replication
ENSG00000128487	SPECC1 PPI subnetwork
GO:0016581	NuRD complex
REACTOME_DNA_REPLICATION	REACTOME_DNA_REPLICATION
GO:0008653	lipopolysaccharide metabolic process
MP:0004981	decreased neuronal precursor cell number
GO:0045776	negative regulation of blood pressure
GO:0042626	ATPase activity, coupled to transmembrane movement of sub
ENSG00000141027	NCOR1 PPI subnetwork
KEGG_FRUCTOSE_AND_MANNOSE_METAB	KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM
ENSG00000163251	FZD5 PPI subnetwork
ENSG00000186879	ENSG00000186879 PPI subnetwork
GO:0051091	positive regulation of sequence-specific DNA binding transcrip
ENSG00000196405	EVL PPI subnetwork
ENSG00000170310	STX8 PPI subnetwork
ENSG00000146232	NFKBIE PPI subnetwork
REACTOME_FORMATION_OF_TUBULIN_FO	REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDI
GO:0005086	ARF guanyl-nucleotide exchange factor activity
ENSG00000077943	ITGA8 PPI subnetwork
MP:0008438	abnormal cutaneous collagen fibril morphology
ENSG00000137171	KLC4 PPI subnetwork
ENSG00000126432	PRDX5 PPI subnetwork
ENSG00000135775	COG2 PPI subnetwork
ENSG00000166603	MC4R PPI subnetwork
ENSG00000034053	APBA2 PPI subnetwork
ENSG00000161203	AP2M1 PPI subnetwork
ENSG00000117450	PRDX1 PPI subnetwork
ENSG00000212664	ENSG00000212664 PPI subnetwork
ENSG00000159251	ACTC1 PPI subnetwork
ENSG00000073910	FRY PPI subnetwork
MP:0000846	abnormal medulla oblongata morphology
GO:0002712	regulation of B cell mediated immunity

REACTOME_G_ALPHA_I_SIGNALLING_EVEN	REACTOME_G_ALPHA_I_SIGNALLING_EVENTS
GO:0021915	neural tube development
MP:0001919	abnormal reproductive system physiology
GO:0000178	exosome (RNase complex)
ENSG00000100109	TFIP11 PPI subnetwork
MP:0005036	diarrhea
MP:0000321	increased bone marrow cell number
MP:0005010	abnormal CD8-positive T cell morphology
ENSG00000100028	SNRPD3 PPI subnetwork
GO:0032755	positive regulation of interleukin-6 production
ENSG00000108256	NUFIP2 PPI subnetwork
GO:0032432	actin filament bundle
MP:0008593	increased circulating interleukin-10 level
ENSG00000198961	PJA2 PPI subnetwork
ENSG00000167306	MYO5B PPI subnetwork
REACTOME_INTERFERON_GAMMA_SIGNAL	REACTOME_INTERFERON_GAMMA_SIGNALING
ENSG00000197373	ENSG00000197373 PPI subnetwork
ENSG00000168255	POLR2J3 PPI subnetwork
GO:0016045	detection of bacterium
ENSG00000153914	SREK1 PPI subnetwork
ENSG00000095002	MSH2 PPI subnetwork
ENSG00000144867	SRPRB PPI subnetwork
ENSG00000189079	ARID2 PPI subnetwork
ENSG00000090339	ICAM1 PPI subnetwork
MP:0003944	abnormal T cell subpopulation ratio
GO:0030155	regulation of cell adhesion
GO:0071706	tumor necrosis factor superfamily cytokine production
GO:0002440	production of molecular mediator of immune response
GO:0008186	RNA-dependent ATPase activity
REACTOME_TAK1_ACTIVATES_NFKB_BY_PH	REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_
ENSG00000010244	ZNF207 PPI subnetwork
MP:0000711	thymus cortex hypoplasia
ENSG00000135018	UBQLN1 PPI subnetwork
ENSG00000156076	WIF1 PPI subnetwork
ENSG00000124614	RPS10 PPI subnetwork
ENSG00000106028	SSBP1 PPI subnetwork
GO:0015238	drug transmembrane transporter activity
ENSG00000127947	PTPN12 PPI subnetwork
MP:0008497	decreased IgG2b level
REACTOME_SYNTHESIS_OF_SUBSTRATES_I	REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N:GLYCAN_BIOS
ENSG00000012223	LTF PPI subnetwork
ENSG00000118495	PLAGL1 PPI subnetwork
GO:0045597	positive regulation of cell differentiation
GO:0005881	cytoplasmic microtubule
MP:0001666	abnormal intestinal absorption
GO:0042645	mitochondrial nucleoid
ENSG00000100056	DGCR14 PPI subnetwork
ENSG00000157404	KIT PPI subnetwork
KEGG_DNA_REPLICATION	KEGG_DNA_REPLICATION
GO:0048286	lung alveolus development

ENSG00000213658	LAT PPI subnetwork
GO:0045933	positive regulation of muscle contraction
MP:0004110	transposition of great arteries
GO:0022411	cellular component disassembly
GO:0006305	DNA alkylation
GO:0006306	DNA methylation
ENSG00000099331	MYO9B PPI subnetwork
GO:0050714	positive regulation of protein secretion
MP:0002746	abnormal semilunar valve morphology
ENSG00000165494	PCF11 PPI subnetwork
ENSG00000006712	PAF1 PPI subnetwork
ENSG00000163635	ATXN7 PPI subnetwork
GO:0047555	3',5'-cyclic-GMP phosphodiesterase activity
MP:0000527	abnormal kidney development
ENSG00000126067	PSMB2 PPI subnetwork
MP:0004174	abnormal spine curvature
ENSG00000205250	E2F4 PPI subnetwork
ENSG00000162188	GNG3 PPI subnetwork
ENSG00000157933	SKI PPI subnetwork
MP:0008642	decreased circulating interleukin-1 beta level
GO:0035770	ribonucleoprotein granule
GO:0016514	SWI/SNF complex
ENSG00000067842	ATP2B3 PPI subnetwork
GO:0044062	regulation of excretion
MP:0009887	abnormal palatal shelf fusion at midline
GO:0048562	embryonic organ morphogenesis
ENSG00000139567	ACVRL1 PPI subnetwork
GO:0008211	glucocorticoid metabolic process
GO:0000982	RNA polymerase II core promoter proximal region sequence-s
MP:0005599	increased cardiac muscle contractility
MP:0000832	abnormal thalamus morphology
ENSG00000134046	MBD2 PPI subnetwork
MP:0000018	small ears
ENSG00000135446	CDK4 PPI subnetwork
GO:0045995	regulation of embryonic development
GO:0008180	signalosome
GO:0002367	cytokine production involved in immune response
ENSG00000185624	P4HB PPI subnetwork
GO:0004843	ubiquitin-specific protease activity
GO:0003724	RNA helicase activity
MP:0000934	abnormal telencephalon development
REACTOME_INCRETIN_SYNTHESIS_SECRETI	REACTOME_INCRETIN_SYNTHESIS_SECRETION_AND_INACTIV
GO:0015844	monoamine transport
ENSG00000169967	MAP3K2 PPI subnetwork
ENSG00000125695	STRADA PPI subnetwork
ENSG00000100284	TOM1 PPI subnetwork
MP:0000519	hydronephrosis
ENSG00000174371	EXO1 PPI subnetwork
MP:0000438	abnormal cranium morphology
MP:0001939	secondary sex reversal

ENSG00000072682	P4HA2 PPI subnetwork
MP:0001663	abnormal digestive system physiology
ENSG00000144021	CIAO1 PPI subnetwork
GO:0019210	kinase inhibitor activity
ENSG00000034152	MAP2K3 PPI subnetwork
MP:0002950	abnormal neural crest cell migration
GO:0016324	apical plasma membrane
GO:0002053	positive regulation of mesenchymal cell proliferation
MP:0002458	abnormal B cell number
MP:0000467	abnormal esophagus morphology
ENSG00000161570	CCL5 PPI subnetwork
ENSG00000203283	ENSG00000203283 PPI subnetwork
MP:0001302	eyelids open at birth
GO:0008227	G-protein coupled amine receptor activity
ENSG00000196235	SUPT5H PPI subnetwork
KEGG_WNT_SIGNALING_PATHWAY	KEGG_WNT_SIGNALING_PATHWAY
ENSG00000142867	BCL10 PPI subnetwork
ENSG00000101608	MYL12A PPI subnetwork
ENSG00000130726	TRIM28 PPI subnetwork
GO:0046875	ephrin receptor binding
GO:0019897	extrinsic to plasma membrane
GO:0006278	RNA-dependent DNA replication
ENSG00000176444	CLK2 PPI subnetwork
ENSG00000134453	RBM17 PPI subnetwork
ENSG00000138297	TIMM23 PPI subnetwork
GO:0045428	regulation of nitric oxide biosynthetic process
ENSG00000117360	PRPF3 PPI subnetwork
ENSG00000078668	VDAC3 PPI subnetwork
ENSG00000143368	SF3B4 PPI subnetwork
KEGG_FC_GAMMA_R_MEDIATED_PHAGOC	KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS
ENSG00000130332	LSM7 PPI subnetwork
ENSG00000143537	ADAM15 PPI subnetwork
GO:0015405	P-P-bond-hydrolysis-driven transmembrane transporter activit
GO:0015399	primary active transmembrane transporter activity
ENSG00000072415	MPP5 PPI subnetwork
ENSG00000101966	XIAP PPI subnetwork
REACTOME_BILE_SALT_AND_ORGANIC_AN	REACTOME_BILE_SALT_AND_ORGANIC_ANION_SLC_TRANSPC
ENSG00000138396	ENSG00000138396 PPI subnetwork
ENSG00000018236	CNTN1 PPI subnetwork
MP:0001925	male infertility
ENSG00000060688	SNRNP40 PPI subnetwork
ENSG00000206357	RDBP PPI subnetwork
ENSG00000204356	RDBP PPI subnetwork
ENSG00000206268	RDBP PPI subnetwork
ENSG00000131051	RBM39 PPI subnetwork
ENSG00000105173	CCNE1 PPI subnetwork
GO:0003279	cardiac septum development
GO:0042287	MHC protein binding
GO:0050432	catecholamine secretion
ENSG00000162735	PEX19 PPI subnetwork

MP:0001132	absent mature ovarian follicles
ENSG00000152268	ENSG00000152268 PPI subnetwork
MP:0001404	no spontaneous movement
ENSG00000041982	TNC PPI subnetwork
GO:0060326	cell chemotaxis
ENSG00000112851	ERBB2IP PPI subnetwork
ENSG00000102226	USP11 PPI subnetwork
MP:0001353	increased aggression towards mice
GO:0030901	midbrain development
GO:0043279	response to alkaloid
ENSG00000065609	SNAP91 PPI subnetwork
ENSG00000180340	FZD2 PPI subnetwork
REACTOME_SIGNAL_REGULATORY_PROTEI	REACTOME_SIGNAL_REGULATORY_PROTEIN_SIRP_FAMILY_IN
ENSG00000122966	CIT PPI subnetwork
GO:0004298	threonine-type endopeptidase activity
GO:0070003	threonine-type peptidase activity
ENSG00000183093	ENSG00000183093 PPI subnetwork
ENSG00000170876	TMEM43 PPI subnetwork
MP:0000061	fragile skeleton
MP:0002929	abnormal bile duct development
ENSG00000155760	FZD7 PPI subnetwork
GO:0000979	RNA polymerase II core promoter sequence-specific DNA bind
ENSG00000076248	UNG PPI subnetwork
GO:0043492	ATPase activity, coupled to movement of substances
ENSG00000132963	POMP PPI subnetwork
ENSG00000169641	LUZP1 PPI subnetwork
ENSG00000126261	UBA2 PPI subnetwork
MP:0005341	decreased susceptibility to atherosclerosis
ENSG00000126602	TRAP1 PPI subnetwork
ENSG00000160201	U2AF1 PPI subnetwork
ENSG00000145191	EIF2B5 PPI subnetwork
ENSG00000131788	PIAS3 PPI subnetwork
ENSG00000143632	ACTA1 PPI subnetwork
ENSG00000141404	GNAL PPI subnetwork
GO:0051168	nuclear export
MP:0000572	abnormal autopod morphology
GO:0060090	binding, bridging
MP:0005405	axon degeneration
MP:0000297	abnormal atrioventricular cushion morphology
ENSG00000100364	KIAA0930 PPI subnetwork
MP:0002722	abnormal immune system organ morphology
ENSG00000204392	LSM2 PPI subnetwork
ENSG00000172850	LSM2 PPI subnetwork
ENSG00000111987	ENSG00000111987 PPI subnetwork
ENSG00000118194	TNNT2 PPI subnetwork
MP:0000564	syndactyly
MP:0001272	increased metastatic potential
MP:0005617	increased susceptibility to type IV hypersensitivity reaction
ENSG00000119812	FAM98A PPI subnetwork
GO:0007259	JAK-STAT cascade

REACTOME_DEATH_RECEPTOR__SIGNALLIN	REACTOME_DEATH_RECEPTOR__SIGNALLING
REACTOME_EXTRINSIC_PATHWAY_FOR_AP	REACTOME_EXTRINSIC_PATHWAY_FOR_APOPTOSIS
MP:0002432	abnormal CD4-positive T cell morphology
GO:0031258	lamellipodium membrane
MP:0002152	abnormal brain morphology
GO:0048730	epidermis morphogenesis
MP:0003135	increased erythroid progenitor cell number
MP:0004726	abnormal nasal capsule morphology
ENSG00000136156	ITM2B PPI subnetwork
GO:0007346	regulation of mitotic cell cycle
GO:0042059	negative regulation of epidermal growth factor receptor signa
ENSG00000111605	CPSF6 PPI subnetwork
ENSG00000156049	GNA14 PPI subnetwork
ENSG00000136021	SCYL2 PPI subnetwork
ENSG00000175324	LSM1 PPI subnetwork
MP:0000764	abnormal tongue epithelium morphology
MP:0001006	abnormal retinal cone cell morphology
GO:0005048	signal sequence binding
GO:0048546	digestive tract morphogenesis
REACTOME_SIGNALING_BY_EGFR_IN_CAN	REACTOME_SIGNALING_BY_EGFR_IN_CANCER
MP:0004527	abnormal outer hair cell stereociliary bundle morphology
ENSG00000142684	ZNF593 PPI subnetwork
MP:0008210	increased mature B cell number
ENSG00000103423	DNAJA3 PPI subnetwork
GO:0046328	regulation of JNK cascade
ENSG00000188404	SELL PPI subnetwork
ENSG00000105726	ATP13A1 PPI subnetwork
GO:0007004	telomere maintenance via telomerase
ENSG00000111961	SASH1 PPI subnetwork
GO:0006700	C21-steroid hormone biosynthetic process
ENSG00000130165	ELOF1 PPI subnetwork
REACTOME_GAB1_SIGNALOSOME	REACTOME_GAB1_SIGNALOSOME
ENSG00000166197	NOLC1 PPI subnetwork
ENSG00000143384	MCL1 PPI subnetwork
GO:0006687	glycosphingolipid metabolic process
ENSG00000073584	SMARCE1 PPI subnetwork
ENSG00000122122	SASH3 PPI subnetwork
MP:0003270	intestinal obstruction
KEGG_SPLICEOSOME	KEGG_SPLICEOSOME
ENSG00000089280	FUS PPI subnetwork
GO:0050829	defense response to Gram-negative bacterium
ENSG00000138794	CASP6 PPI subnetwork
MP:0002211	abnormal primary sex determination
ENSG00000173156	RHOD PPI subnetwork
ENSG00000131023	LATS1 PPI subnetwork
GO:0042594	response to starvation
MP:0000552	abnormal radius morphology
ENSG00000142937	RPS8 PPI subnetwork
GO:0072273	metanephric nephron morphogenesis
GO:0042310	vasoconstriction

REACTOME_RESOLUTION_OF_ABASIC_SITE	REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES
REACTOME_BASE_EXCISION_REPAIR	REACTOME_BASE_EXCISION_REPAIR
ENSG00000164403	SHROOM1 PPI subnetwork
ENSG00000054267	ARID4B PPI subnetwork
ENSG00000172201	ID4 PPI subnetwork
REACTOME_HORMONE:SENSITIVE_LIPASE_	REACTOME_HORMONE:SENSITIVE_LIPASE_HSL:MEDIATED_TR
REACTOME_EXTENSION_OF_TELOMERES	REACTOME_EXTENSION_OF_TELOMERES
ENSG00000048052	HDAC9 PPI subnetwork
MP:0008603	decreased circulating interleukin-4 level
GO:0042770	signal transduction in response to DNA damage
MP:0000925	abnormal floor plate morphology
GO:0050715	positive regulation of cytokine secretion
GO:0055017	cardiac muscle tissue growth
ENSG00000172936	MYD88 PPI subnetwork
GO:0060562	epithelial tube morphogenesis
GO:0045987	positive regulation of smooth muscle contraction
ENSG00000085365	ENSG00000085365 PPI subnetwork
ENSG00000169220	RGS14 PPI subnetwork
GO:0042098	T cell proliferation
ENSG00000109320	NFKB1 PPI subnetwork
ENSG00000100504	PYGL PPI subnetwork
GO:0001750	photoreceptor outer segment
MP:0001924	infertility
GO:0060740	prostate gland epithelium morphogenesis
ENSG00000101849	TBL1X PPI subnetwork
GO:0005689	U12-type spliceosomal complex
ENSG00000211456	SACM1L PPI subnetwork
ENSG00000160916	ENSG00000160916 PPI subnetwork
ENSG00000149930	TAOK2 PPI subnetwork
GO:0016820	hydrolase activity, acting on acid anhydrides, catalyzing transn
MP:0004799	increased susceptibility to experimental autoimmune encepha
ENSG00000119203	CPSF3 PPI subnetwork
ENSG00000112078	KCTD20 PPI subnetwork
MP:0000269	abnormal heart looping
MP:0005306	abnormal phalanx morphology
ENSG00000007171	NOS2 PPI subnetwork
GO:0006518	peptide metabolic process
REACTOME_GABA_SYNTHESIS_RELEASE_RE	REACTOME_GABA_SYNTHESIS_RELEASE_REUPTAKE_AND_DE(
MP:0000445	short snout
GO:0001012	RNA polymerase II regulatory region DNA binding
ENSG00000115053	NCL PPI subnetwork
MP:0002953	thick ventricular wall
ENSG00000178741	COX5A PPI subnetwork
ENSG00000116824	CD2 PPI subnetwork
GO:0060350	endochondral bone morphogenesis
GO:0031984	organelle subcompartment
GO:0009409	response to cold
REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_	REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE
ENSG00000133740	E2F5 PPI subnetwork
MP:0005168	abnormal female meiosis

ENSG00000153113	CAST PPI subnetwork
REACTOME_GLUTATHIONE_CONJUGATION	REACTOME_GLUTATHIONE_CONJUGATION
ENSG00000113649	TCERG1 PPI subnetwork
MP:0001648	abnormal apoptosis
ENSG00000120802	TMPO PPI subnetwork
GO:0045321	leukocyte activation
MP:0004157	interrupted aortic arch
GO:0033673	negative regulation of kinase activity
GO:0016765	transferase activity, transferring alkyl or aryl (other than meth
GO:0005089	Rho guanyl-nucleotide exchange factor activity
REACTOME_NEGATIVE_REGULATORS_OF_F	REACTOME_NEGATIVE_REGULATORS_OF_RIG:IMDA5_SIGNAL
ENSG00000108504	ENSG00000108504 PPI subnetwork
KEGG_NATURAL_KILLER_CELL_MEDIATED_(	KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY
ENSG00000166477	LEO1 PPI subnetwork
ENSG00000183735	TBK1 PPI subnetwork
ENSG00000181656	GPR88 PPI subnetwork
ENSG00000114942	EEF1B2 PPI subnetwork
GO:0018024	histone-lysine N-methyltransferase activity
GO:0051320	S phase
MP:0001077	abnormal spinal nerve morphology
ENSG00000105855	ITGB8 PPI subnetwork
ENSG00000103275	UBE2I PPI subnetwork
MP:0006020	decreased tympanic ring size
GO:0048592	eye morphogenesis
ENSG00000135972	MRPS9 PPI subnetwork
MP:0000837	abnormal hypothalamus morphology
GO:0032580	Golgi cisterna membrane
ENSG00000181191	PJA1 PPI subnetwork
ENSG00000177731	FLII PPI subnetwork
MP:0000154	rib fusion
GO:0000387	spliceosomal snRNP assembly
GO:0046620	regulation of organ growth
GO:0040029	regulation of gene expression, epigenetic
MP:0008498	decreased IgG3 level
ENSG00000178209	PLEC PPI subnetwork
ENSG00000136450	SRSF1 PPI subnetwork
ENSG00000163882	POLR2H PPI subnetwork
ENSG00000206407	ENSG00000206407 PPI subnetwork
ENSG00000206489	PPP1R10 PPI subnetwork
ENSG00000204569	PPP1R10 PPI subnetwork
MP:0006400	decreased molar number
ENSG00000086102	NFX1 PPI subnetwork
GO:0042393	histone binding
GO:0072207	metanephric epithelium development
ENSG00000172409	CLP1 PPI subnetwork
ENSG00000213585	VDAC1 PPI subnetwork
GO:0046530	photoreceptor cell differentiation
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_PROINFLAM
ENSG00000173867	ENSG00000173867 PPI subnetwork
GO:0003281	ventricular septum development

GO:0007250	activation of NF-kappaB-inducing kinase activity
ENSG00000137757	CASP5 PPI subnetwork
ENSG00000168394	TAP1 PPI subnetwork
ENSG00000206297	TAP1 PPI subnetwork
ENSG00000206233	ENSG00000206233 PPI subnetwork
ENSG00000072110	ACTN1 PPI subnetwork
REACTOME_BASIGIN_INTERACTIONS	REACTOME_BASIGIN_INTERACTIONS
MP:0000716	abnormal immune system cell morphology
ENSG00000120805	ARL1 PPI subnetwork
ENSG00000145391	SETD7 PPI subnetwork
ENSG00000011405	PIK3C2A PPI subnetwork
GO:0032869	cellular response to insulin stimulus
GO:0060512	prostate gland morphogenesis
MP:0004672	short ribs
GO:0046135	pyrimidine nucleoside catabolic process
ENSG00000112357	PEX7 PPI subnetwork
ENSG00000125740	FOSB PPI subnetwork
ENSG00000145241	CENPC1 PPI subnetwork
ENSG00000136942	RPL35 PPI subnetwork
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRONLES
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_PRE:MRI
ENSG00000106397	PLOD3 PPI subnetwork
GO:0042698	ovulation cycle
ENSG00000166747	AP1G1 PPI subnetwork
ENSG00000082512	TRAF5 PPI subnetwork
GO:0005892	acetylcholine-gated channel complex
MP:0008101	lymph node hypoplasia
GO:0009070	serine family amino acid biosynthetic process
GO:0050865	regulation of cell activation
MP:0000933	abnormal rhombomere morphology
MP:0000435	shortened head
ENSG00000163806	SPDYA PPI subnetwork
ENSG00000102893	PHKB PPI subnetwork
KEGG_ENDOCYTOSIS	KEGG_ENDOCYTOSIS
ENSG00000171314	PGAM1 PPI subnetwork
ENSG00000135341	MAP3K7 PPI subnetwork
GO:0051056	regulation of small GTPase mediated signal transduction
GO:0071845	cellular component disassembly at cellular level
GO:0031214	biomineral tissue development
ENSG00000077097	TOP2B PPI subnetwork
ENSG00000012660	ELOVL5 PPI subnetwork
REACTOME_POST:CHAPERONIN_TUBULIN_	REACTOME_POST:CHAPERONIN_TUBULIN_FOLDING_PATHWA
MP:0000427	abnormal hair cycle
GO:0030166	proteoglycan biosynthetic process
GO:0050909	sensory perception of taste
GO:0016538	cyclin-dependent protein kinase regulator activity
ENSG00000156261	CCT8 PPI subnetwork
ENSG00000124507	PACSIN1 PPI subnetwork
MP:0010465	aberrant origin of the right subclavian artery
ENSG00000105699	LSR PPI subnetwork

MP:0005102	abnormal iris pigmentation
GO:0031640	killing of cells of other organism
ENSG00000206294	ENSG00000206294 PPI subnetwork
MP:0004978	decreased B-1 B cell number
GO:0019898	extrinsic to membrane
ENSG00000079102	RUNX1T1 PPI subnetwork
ENSG00000170035	UBE2E3 PPI subnetwork
ENSG00000100097	LGALS1 PPI subnetwork
MP:0004398	cochlear inner hair cell degeneration
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEC
ENSG00000111229	ARPC3 PPI subnetwork
GO:0016363	nuclear matrix
ENSG00000134640	MTNR1B PPI subnetwork
MP:0001807	decreased IgA level
MP:0000133	abnormal long bone metaphysis morphology
GO:0031228	intrinsic to Golgi membrane
ENSG00000167005	NUDT21 PPI subnetwork
GO:0048407	platelet-derived growth factor binding
ENSG00000105229	PIAS4 PPI subnetwork
MP:0001392	abnormal locomotor behavior
ENSG00000121879	PIK3CA PPI subnetwork
MP:0004154	renal tubular necrosis
KEGG_HEDGEHOG_SIGNALING_PATHWAY	KEGG_HEDGEHOG_SIGNALING_PATHWAY
GO:0002828	regulation of type 2 immune response
ENSG00000135845	PIGC PPI subnetwork
ENSG00000075785	RAB7A PPI subnetwork
REACTOME_REGULATION_OF_SIGNALING_	REACTOME_REGULATION_OF_SIGNALING_BY_CBL
ENSG00000183856	IQGAP3 PPI subnetwork
GO:0031349	positive regulation of defense response
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_NFKB_AND_M
GO:0001503	ossification
GO:0015114	phosphate ion transmembrane transporter activity
GO:0007507	heart development
GO:0007159	leukocyte cell-cell adhesion
ENSG00000128245	YWHAH PPI subnetwork
ENSG00000129675	ARHGEF6 PPI subnetwork
ENSG00000163516	ANKZF1 PPI subnetwork
ENSG00000142252	GEMIN7 PPI subnetwork
GO:0030100	regulation of endocytosis
ENSG00000168488	ATXN2L PPI subnetwork
ENSG00000111880	RNGTT PPI subnetwork
GO:0017002	activin-activated receptor activity
GO:0008173	RNA methyltransferase activity
GO:0003755	peptidyl-prolyl cis-trans isomerase activity
MP:0009409	abnormal skeletal muscle fiber type ratio
ENSG00000132849	INADL PPI subnetwork
ENSG00000105664	COMP PPI subnetwork
MP:0005298	abnormal clavicle morphology
GO:0043413	macromolecule glycosylation
GO:0006486	protein glycosylation

ENSG00000179335	CLK3 PPI subnetwork
GO:0003713	transcription coactivator activity
ENSG00000119318	RAD23B PPI subnetwork
ENSG00000167193	CRK PPI subnetwork
MP:0002759	abnormal caudal vertebrae morphology
ENSG00000091073	ENSG00000091073 PPI subnetwork
ENSG00000058335	RASGRF1 PPI subnetwork
ENSG00000170260	ZNF212 PPI subnetwork
ENSG00000123358	NR4A1 PPI subnetwork
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_ATF6:ALPHA
GO:0002703	regulation of leukocyte mediated immunity
GO:0072503	cellular divalent inorganic cation homeostasis
ENSG00000160741	CRTC2 PPI subnetwork
MP:0009814	increased prostaglandin level
ENSG00000198130	HIBCH PPI subnetwork
ENSG00000183431	SF3A3 PPI subnetwork
GO:0001659	temperature homeostasis
GO:0009880	embryonic pattern specification
ENSG00000196092	PAX5 PPI subnetwork
ENSG00000111640	GAPDH PPI subnetwork
GO:0030003	cellular cation homeostasis
ENSG00000116809	ZBTB17 PPI subnetwork
ENSG00000167258	CDK12 PPI subnetwork
ENSG00000163288	GABRB1 PPI subnetwork
GO:0070374	positive regulation of ERK1 and ERK2 cascade
KEGG_PENTOSE_PHOSPHATE_PATHWAY	KEGG_PENTOSE_PHOSPHATE_PATHWAY
MP:0003077	abnormal cell cycle
REACTOME_PRESYNAPTIC_NICOTINIC_ACE	REACTOME_PRESYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECEI
ENSG00000185386	MAPK11 PPI subnetwork
ENSG00000099817	POLR2E PPI subnetwork
ENSG00000100804	PSMB5 PPI subnetwork
MP:0001426	polydipsia
ENSG00000123080	CDKN2C PPI subnetwork
ENSG00000169045	HNRNPH1 PPI subnetwork
ENSG00000115677	HDLBP PPI subnetwork
ENSG00000072195	SPEG PPI subnetwork
MP:0001693	failure of primitive streak formation
GO:0045182	translation regulator activity
KEGG_PENTOSE_AND_GLUCURONATE_INTI	KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS
GO:0061097	regulation of protein tyrosine kinase activity
ENSG00000107819	SFXN3 PPI subnetwork
ENSG00000171444	MCC PPI subnetwork
GO:0006304	DNA modification
ENSG00000105258	POLR2I PPI subnetwork
ENSG00000121931	LRIF1 PPI subnetwork
ENSG00000178950	GAK PPI subnetwork
REACTOME_PLATELET_ADHESION_TO_EXPO	REACTOME_PLATELET_ADHESION_TO_EXPOSED_COLLAGEN
ENSG00000100014	SPECC1L PPI subnetwork
ENSG00000049541	RFC2 PPI subnetwork
ENSG00000134014	ELP3 PPI subnetwork

GO:0051953	negative regulation of amine transport
ENSG00000107863	ARHGAP21 PPI subnetwork
GO:0090068	positive regulation of cell cycle process
ENSG00000186810	CXCR3 PPI subnetwork
REACTOME_OTHER_SEMAPHORIN_INTERA	REACTOME_OTHER_SEMAPHORIN_INTERACTIONS
ENSG00000069275	NUCKS1 PPI subnetwork
GO:0021871	forebrain regionalization
MP:0003194	abnormal frequency of paradoxical sleep
GO:0017048	Rho GTPase binding
ENSG00000133116	KL PPI subnetwork
ENSG00000125503	PPP1R12C PPI subnetwork
MP:0010984	abnormal metanephric mesenchyme morphology
MP:0000471	abnormal stomach epithelium morphology
MP:0003049	abnormal lumbar vertebrae morphology
ENSG00000107263	RAPGEF1 PPI subnetwork
ENSG00000157240	FZD1 PPI subnetwork
GO:0030165	PDZ domain binding
GO:0035254	glutamate receptor binding
MP:0004542	impaired acrosome reaction
GO:0048710	regulation of astrocyte differentiation
ENSG00000125266	EFNB2 PPI subnetwork
ENSG00000100142	POLR2F PPI subnetwork
GO:0019882	antigen processing and presentation
ENSG00000100603	SNW1 PPI subnetwork
GO:0032319	regulation of Rho GTPase activity
GO:0045296	cadherin binding
REACTOME_NUCLEOTIDE:LIKE_PURINERGIC	REACTOME_NUCLEOTIDE:LIKE_PURINERGIC_RECEPTORS
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_INDEPENDENT_O
KEGG_CELL_CYCLE	KEGG_CELL_CYCLE
GO:0002819	regulation of adaptive immune response
MP:0001044	abnormal enteric nervous system morphology
ENSG00000108424	KPNB1 PPI subnetwork
GO:0050764	regulation of phagocytosis
ENSG00000118503	TNFAIP3 PPI subnetwork
ENSG00000165410	CFL2 PPI subnetwork
ENSG00000104313	EYA1 PPI subnetwork
GO:0046966	thyroid hormone receptor binding
ENSG00000167513	CDT1 PPI subnetwork
MP:0008866	chromosomal instability
REACTOME_AMINE_COMPOUND_SLC_TRA	REACTOME_AMINE_COMPOUND_SLC_TRANSPORTERS
GO:0046580	negative regulation of Ras protein signal transduction
ENSG00000167549	CORO6 PPI subnetwork
GO:0030278	regulation of ossification
MP:0000163	abnormal cartilage morphology
MP:0005553	increased circulating creatinine level
MP:0001676	abnormal apical ectodermal ridge morphology
ENSG00000101654	RNMT PPI subnetwork
MP:0001844	autoimmune response
ENSG00000132341	RAN PPI subnetwork
ENSG00000101017	CD40 PPI subnetwork

GO:0051952	regulation of amine transport
GO:0017069	snRNA binding
GO:0030198	extracellular matrix organization
GO:0043062	extracellular structure organization
GO:0001558	regulation of cell growth
ENSG00000132002	DNAJB1 PPI subnetwork
GO:0003729	mRNA binding
KEGG_CHEMOKINE_SIGNALING_PATHWAY	KEGG_CHEMOKINE_SIGNALING_PATHWAY
MP:0010724	thick interventricular septum
GO:0006469	negative regulation of protein kinase activity
MP:0004740	sensorineural hearing loss
GO:0006337	nucleosome disassembly
GO:0032986	protein-DNA complex disassembly
GO:0031498	chromatin disassembly
REACTOME_NEPHRIN_INTERACTIONS	REACTOME_NEPHRIN_INTERACTIONS
ENSG00000105245	NUMBL PPI subnetwork
REACTOME_SIGNALING_BY_ERBB4	REACTOME_SIGNALING_BY_ERBB4
ENSG00000174996	KLC2 PPI subnetwork
ENSG00000001167	NFYA PPI subnetwork
GO:0008037	cell recognition
ENSG00000104067	TJP1 PPI subnetwork
ENSG00000101057	MYBL2 PPI subnetwork
ENSG00000168243	GNG4 PPI subnetwork
GO:0050907	detection of chemical stimulus involved in sensory perception
ENSG00000104267	CA2 PPI subnetwork
MP:0001417	decreased exploration in new environment
ENSG00000198467	TPM2 PPI subnetwork
GO:0048041	focal adhesion assembly
ENSG00000017260	ATP2C1 PPI subnetwork
MP:0008189	increased transitional stage B cell number
ENSG00000146047	HIST1H2BA PPI subnetwork
ENSG00000092853	CLSPN PPI subnetwork
GO:0042108	positive regulation of cytokine biosynthetic process
MP:0001129	impaired ovarian folliculogenesis
GO:0030291	protein serine/threonine kinase inhibitor activity
GO:0046459	short-chain fatty acid metabolic process
ENSG00000010810	FYN PPI subnetwork
GO:0031985	Golgi cisterna
MP:0000150	abnormal rib morphology
ENSG00000059769	DNAJC25 PPI subnetwork
ENSG00000160199	PKNOX1 PPI subnetwork
MP:0001284	absent vibrissae
GO:0048471	perinuclear region of cytoplasm
ENSG00000179364	PACS2 PPI subnetwork
KEGG_TIGHT_JUNCTION	KEGG_TIGHT_JUNCTION
ENSG00000139687	RB1 PPI subnetwork
GO:0016278	lysine N-methyltransferase activity
GO:0016279	protein-lysine N-methyltransferase activity
GO:0030850	prostate gland development
REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA

REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA
ENSG00000135916	ITM2C PPI subnetwork
GO:0042093	T-helper cell differentiation
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in imm
GO:0001725	stress fiber
ENSG00000095139	ARCN1 PPI subnetwork
ENSG00000175550	DRAP1 PPI subnetwork
GO:0018196	peptidyl-asparagine modification
GO:0018279	protein N-linked glycosylation via asparagine
GO:0004889	acetylcholine-activated cation-selective channel activity
MP:0001890	anencephaly
MP:0000729	abnormal myogenesis
ENSG00000115808	STRN PPI subnetwork
ENSG00000181789	COPG PPI subnetwork
GO:0004180	carboxypeptidase activity
GO:0033627	cell adhesion mediated by integrin
ENSG00000183918	SH2D1A PPI subnetwork
ENSG00000138107	ACTR1A PPI subnetwork
GO:0004860	protein kinase inhibitor activity
GO:0042176	regulation of protein catabolic process
GO:0043394	proteoglycan binding
GO:0007431	salivary gland development
GO:0090178	regulation of establishment of planar polarity involved in neur
GO:0090179	planar cell polarity pathway involved in neural tube closure
GO:0001906	cell killing
GO:0045445	myoblast differentiation
GO:0006767	water-soluble vitamin metabolic process
ENSG00000115085	ZAP70 PPI subnetwork
ENSG00000159459	UBR1 PPI subnetwork
ENSG00000164362	TERT PPI subnetwork
REACTOME_IRAK2_MEDIATED_ACTIVATION	REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMP
ENSG00000108379	WNT3 PPI subnetwork
MP:0002243	abnormal vomeronasal organ morphology
GO:0051250	negative regulation of lymphocyte activation
ENSG00000108691	CCL2 PPI subnetwork
ENSG00000105376	ICAM5 PPI subnetwork
MP:0001944	abnormal pancreas morphology
ENSG00000186842	ENSG00000186842 PPI subnetwork
ENSG00000132646	PCNA PPI subnetwork
GO:0002062	chondrocyte differentiation
MP:0001929	abnormal gametogenesis
ENSG00000188342	GTF2F2 PPI subnetwork
GO:0002822	regulation of adaptive immune response based on somatic rec
ENSG00000100292	HMOX1 PPI subnetwork
ENSG00000084207	GSTP1 PPI subnetwork
ENSG00000108294	PSMB3 PPI subnetwork
MP:0004087	abnormal muscle fiber morphology
ENSG00000007237	GAS7 PPI subnetwork
GO:0032675	regulation of interleukin-6 production
ENSG00000101109	STK4 PPI subnetwork

MP:0002813	microcytosis
ENSG00000072518	MARK2 PPI subnetwork
GO:0022415	viral reproductive process
REACTOME_SIGNALING_BY_EGFR	REACTOME_SIGNALING_BY_EGFR
ENSG00000162419	GMEB1 PPI subnetwork
ENSG00000004660	CAMKK1 PPI subnetwork
MP:0003672	abnormal ureter development
MP:0008578	decreased circulating interferon-gamma level
MP:0000065	abnormal bone marrow cavity morphology
ENSG00000114251	WNT5A PPI subnetwork
GO:0051216	cartilage development
GO:0042692	muscle cell differentiation
GO:0034330	cell junction organization
ENSG00000017797	RALBP1 PPI subnetwork
ENSG00000136715	SAP130 PPI subnetwork
MP:0010386	abnormal urinary bladder physiology
GO:0006403	RNA localization
MP:0001883	mammary adenocarcinoma
MP:0010029	abnormal basicranium morphology
GO:0007423	sensory organ development
GO:0030552	cAMP binding
ENSG00000129170	CSRP3 PPI subnetwork
GO:0005795	Golgi stack
REACTOME_FANCONI_ANEMIA_PATHWAY	REACTOME_FANCONI_ANEMIA_PATHWAY
GO:0006487	protein N-linked glycosylation
GO:0002544	chronic inflammatory response
ENSG00000168439	STIP1 PPI subnetwork
ENSG00000152056	AP1S3 PPI subnetwork
ENSG00000015479	MATR3 PPI subnetwork
ENSG00000117650	NEK2 PPI subnetwork
ENSG00000154016	GRAP PPI subnetwork
ENSG00000189037	DUSP21 PPI subnetwork
ENSG00000003400	CASP10 PPI subnetwork
ENSG00000082146	STRADB PPI subnetwork
GO:0000976	transcription regulatory region sequence-specific DNA binding
ENSG00000175189	INHBC PPI subnetwork
ENSG00000168412	MTNR1A PPI subnetwork
MP:0000278	abnormal myocardial fiber morphology
ENSG00000173207	CKS1B PPI subnetwork
ENSG00000073756	PTGS2 PPI subnetwork
ENSG00000136997	MYC PPI subnetwork
ENSG00000003402	CFLAR PPI subnetwork
MP:0000747	muscle weakness
KEGG_FOCAL_ADHESION	KEGG_FOCAL_ADHESION
ENSG00000145781	COMMD10 PPI subnetwork
GO:0070717	poly-purine tract binding
ENSG00000108298	RPL19 PPI subnetwork
REACTOME_HIV_LIFE_CYCLE	REACTOME_HIV_LIFE_CYCLE
ENSG00000104814	MAP4K1 PPI subnetwork
ENSG00000150672	DLG2 PPI subnetwork

MP:0001596	hypotension
REACTOME_TELOMERE_C:STRAND_LAGGIN	REACTOME_TELOMERE_C:STRAND_LAGGING_STRAND_SYNTH
MP:0000852	small cerebellum
MP:0004986	abnormal osteoblast morphology
ENSG00000073111	MCM2 PPI subnetwork
ENSG00000138385	SSB PPI subnetwork
REACTOME_G_ALPHA_S_SIGNALLING_EVEI	REACTOME_G_ALPHA_S_SIGNALLING_EVENTS
MP:0011143	thick lung-associated mesenchyme
GO:0023019	signal transduction involved in regulation of gene expression
ENSG00000129282	MRM1 PPI subnetwork
GO:0003401	axis elongation
GO:0055080	cation homeostasis
ENSG00000168002	POLR2G PPI subnetwork
REACTOME_TRANSPORT_OF_INORGANIC_(	REACTOME_TRANSPORT_OF_INORGANIC_CATIONSANIONS_A
ENSG00000120265	PCMT1 PPI subnetwork
ENSG00000184185	KCNJ12 PPI subnetwork
GO:0031056	regulation of histone modification
MP:0001322	abnormal iris morphology
ENSG00000100347	SAMM50 PPI subnetwork
MP:0002566	abnormal sexual interaction
ENSG00000170315	UBB PPI subnetwork
ENSG00000005075	POLR2J PPI subnetwork
ENSG00000198211	TUBB3 PPI subnetwork
GO:0048008	platelet-derived growth factor receptor signaling pathway
GO:0070661	leukocyte proliferation
GO:0031143	pseudopodium
MP:0004592	small mandible
ENSG00000121031	ENSG00000121031 PPI subnetwork
GO:0051428	peptide hormone receptor binding
GO:0046425	regulation of JAK-STAT cascade
ENSG00000132507	EIF5A PPI subnetwork
GO:0060337	type I interferon-mediated signaling pathway
GO:0071357	cellular response to type I interferon
ENSG00000174804	FZD4 PPI subnetwork
REACTOME_REMOVAL_OF_DNA_PATCH_C(	REACTOME_REMOVAL_OF_DNA_PATCH_CONTAINING_ABASI
REACTOME_RESOLUTION_OF_AP_SITES_VI	REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE:
GO:0015012	heparan sulfate proteoglycan biosynthetic process
MP:0010018	pulmonary vascular congestion
ENSG00000136068	FLNB PPI subnetwork
GO:0044057	regulation of system process
MP:0003043	hypoalgesia
ENSG00000118985	ELL2 PPI subnetwork
MP:0008088	abnormal T-helper 1 cell differentiation
ENSG00000168490	PHYHIP PPI subnetwork
ENSG00000108528	SLC25A11 PPI subnetwork
ENSG00000100994	PYGB PPI subnetwork
GO:0003002	regionalization
MP:0008058	abnormal DNA repair
GO:0004033	aldo-keto reductase (NADP) activity
GO:0045649	regulation of macrophage differentiation

MP:0002216	abnormal seminiferous tubule morphology
REACTOME_CDO_IN_MYOGENESIS	REACTOME_CDO_IN_MYOGENESIS
REACTOME_MYOGENESIS	REACTOME_MYOGENESIS
GO:0032943	mononuclear cell proliferation
ENSG00000095015	MAP3K1 PPI subnetwork
GO:0042531	positive regulation of tyrosine phosphorylation of STAT protei
ENSG00000013455	ENSG00000013455 PPI subnetwork
MP:0011110	partial preweaning lethality
GO:0009451	RNA modification
REACTOME_PIP3_ACTIVATES_AKT_SIGNALI	REACTOME_PIP3_ACTIVATES_AKT_SIGNALING
MP:0001954	respiratory distress
GO:0005164	tumor necrosis factor receptor binding
MP:0009400	decreased skeletal muscle fiber size
MP:0008533	abnormal anterior visceral endoderm morphology
ENSG00000166794	PPIB PPI subnetwork
GO:0006939	smooth muscle contraction
REACTOME_FACTORS_INVOLVED_IN_MEGA	REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVE
MP:0000458	abnormal mandible morphology
GO:0033116	endoplasmic reticulum-Golgi intermediate compartment mem
ENSG00000145555	MYO10 PPI subnetwork
MP:0004852	decreased testis weight
REACTOME_REGULATION_OF_IFNG_SIGNA	REACTOME_REGULATION_OF_IFNG_SIGNALING
GO:0001754	eye photoreceptor cell differentiation
ENSG00000071894	CPSF1 PPI subnetwork
ENSG00000102312	PORCN PPI subnetwork
REACTOME_GLUTATHIONE_SYNTHESIS_AN	REACTOME_GLUTATHIONE_SYNTHESIS_AND_RECYCLING
ENSG00000037965	HOXC8 PPI subnetwork
REACTOME_LATE_PHASE_OF_HIV_LIFE_CY(	REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE
GO:0034340	response to type I interferon
MP:0000223	decreased monocyte cell number
ENSG00000070367	EXOC5 PPI subnetwork
KEGG_CHRONIC_MYELOID_LEUKEMIA	KEGG_CHRONIC_MYELOID_LEUKEMIA
MP:0004016	decreased bone mass
ENSG00000048828	FAM120A PPI subnetwork
MP:0005627	increased circulating potassium level
GO:0060441	epithelial tube branching involved in lung morphogenesis
ENSG00000167414	GNG8 PPI subnetwork
MP:0003641	small lung
GO:0035567	non-canonical Wnt receptor signaling pathway
ENSG00000185049	WHSC2 PPI subnetwork
REACTOME_DNA_STRAND_ELONGATION	REACTOME_DNA_STRAND_ELONGATION
ENSG00000137218	FRS3 PPI subnetwork
GO:0005770	late endosome
GO:0042481	regulation of odontogenesis
MP:0006387	abnormal T cell number
MP:0002196	absent corpus callosum
GO:0046112	nucleobase biosynthetic process
REACTOME_AMINE:DERIVED_HORMONES	REACTOME_AMINE:DERIVED_HORMONES
MP:0009254	disorganized pancreatic islets
ENSG00000136286	MYO1G PPI subnetwork

ENSG00000197043	ANXA6 PPI subnetwork
ENSG00000109103	UNC119 PPI subnetwork
ENSG00000147889	CDKN2A PPI subnetwork
ENSG00000146648	EGFR PPI subnetwork
ENSG00000130725	UBE2M PPI subnetwork
ENSG00000188612	SUMO2 PPI subnetwork
ENSG00000140694	PARN PPI subnetwork
REACTOME_PROSTANOID_METABOLISM	REACTOME_PROSTANOID_METABOLISM
ENSG00000065328	MCM10 PPI subnetwork
GO:0034329	cell junction assembly
MP:0000026	abnormal inner ear morphology
ENSG00000105127	AKAP8 PPI subnetwork
ENSG00000102554	KLF5 PPI subnetwork
GO:0001702	gastrulation with mouth forming second
ENSG00000146143	ENSG00000146143 PPI subnetwork
ENSG00000113721	PDGFRB PPI subnetwork
ENSG00000101331	C20orf160 PPI subnetwork
MP:0000694	spleen hypoplasia
GO:0072028	nephron morphogenesis
ENSG00000166167	BTRC PPI subnetwork
KEGG_CITRATE_CYCLE_TCA_CYCLE	KEGG_CITRATE_CYCLE_TCA_CYCLE
GO:0008589	regulation of smoothened signaling pathway
ENSG00000105810	CDK6 PPI subnetwork
KEGG_PROTEIN_EXPORT	KEGG_PROTEIN_EXPORT
ENSG00000163440	PDCL2 PPI subnetwork
GO:0000930	gamma-tubulin complex
GO:0060070	canonical Wnt receptor signaling pathway
MP:0003920	abnormal heart right ventricle morphology
ENSG00000010610	CD4 PPI subnetwork
GO:0046651	lymphocyte proliferation
GO:0014823	response to activity
MP:0005425	increased macrophage cell number
GO:0006739	NADP metabolic process
GO:0034968	histone lysine methylation
GO:0051028	mRNA transport
ENSG00000130312	MRPL34 PPI subnetwork
GO:0043648	dicarboxylic acid metabolic process
MP:0003140	dilated heart atrium
ENSG00000198925	ATG9A PPI subnetwork
ENSG00000103197	TSC2 PPI subnetwork
ENSG00000165030	NFIL3 PPI subnetwork
ENSG00000149311	ATM PPI subnetwork
ENSG00000108953	YWHAE PPI subnetwork
REACTOME_ACTIVATION_OF_BH3:ONLY_PI	REACTOME_ACTIVATION_OF_BH3:ONLY_PROTEINS
GO:0045668	negative regulation of osteoblast differentiation
ENSG00000102572	STK24 PPI subnetwork
ENSG00000114745	GORASP1 PPI subnetwork
MP:0005205	abnormal eye anterior chamber morphology
GO:0042074	cell migration involved in gastrulation
ENSG00000116455	WDR77 PPI subnetwork

ENSG00000100345	MYH9 PPI subnetwork
MP:0009395	increased nucleated erythrocyte cell number
ENSG00000127586	CHTF18 PPI subnetwork
MP:0008277	abnormal sternum ossification
ENSG00000167978	SRRM2 PPI subnetwork
ENSG00000013297	CLDN11 PPI subnetwork
GO:0031401	positive regulation of protein modification process
GO:0051540	metal cluster binding
GO:0051536	iron-sulfur cluster binding
ENSG00000159166	LAD1 PPI subnetwork
GO:0006586	indolalkylamine metabolic process
GO:0042430	indole-containing compound metabolic process
MP:0008535	enlarged lateral ventricles
GO:0003774	motor activity
KEGG_PROXIMAL_TUBULE_BICARBONATE_	KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION
REACTOME_PI3KAKT_ACTIVATION	REACTOME_PI3KAKT_ACTIVATION
MP:0001208	blistering
ENSG00000160633	SAFB PPI subnetwork
GO:0070085	glycosylation
GO:0015932	nucleobase-containing compound transmembrane transporte
ENSG00000134909	ARHGAP32 PPI subnetwork
ENSG00000164815	ORC5 PPI subnetwork
GO:0001649	osteoblast differentiation
MP:0001970	abnormal pain threshold
ENSG00000100462	PRMT5 PPI subnetwork
ENSG00000115738	ID2 PPI subnetwork
REACTOME_NRIF_SIGNALS_CELL_DEATH_F	REACTOME_NRIF_SIGNALS_CELL_DEATH_FROM_THE_NUCLEU
ENSG00000166206	GABRB3 PPI subnetwork
GO:0050868	negative regulation of T cell activation
GO:0045295	gamma-catenin binding
REACTOME_P75NTR_SIGNALS_VIA_NF:KB	REACTOME_P75NTR_SIGNALS_VIA_NF:KB
GO:0030551	cyclic nucleotide binding
GO:0050873	brown fat cell differentiation
KEGG_DORSO_VENTRAL_AXIS_FORMATION	KEGG_DORSO_VENTRAL_AXIS_FORMATION
GO:0021885	forebrain cell migration
GO:0072006	nephron development
ENSG00000134242	PTPN22 PPI subnetwork
ENSG00000085872	CHERP PPI subnetwork
ENSG00000144231	POLR2D PPI subnetwork
ENSG00000099917	MED15 PPI subnetwork
ENSG00000165458	INPPL1 PPI subnetwork
ENSG00000154380	ENAH PPI subnetwork
ENSG00000145220	LYAR PPI subnetwork
KEGG_DILATED_CARDIOMYOPATHY	KEGG_DILATED_CARDIOMYOPATHY
ENSG00000096401	CDC5L PPI subnetwork
ENSG00000182180	MRPS16 PPI subnetwork
MP:0009232	abnormal sperm nucleus morphology
GO:0006103	2-oxoglutarate metabolic process
GO:0045981	positive regulation of nucleotide metabolic process
ENSG00000102145	GATA1 PPI subnetwork

ENSG00000104825	NFKBIB PPI subnetwork
GO:0032635	interleukin-6 production
GO:0001948	glycoprotein binding
ENSG00000174437	ATP2A2 PPI subnetwork
ENSG00000185359	HGS PPI subnetwork
ENSG00000106628	POLD2 PPI subnetwork
GO:0051090	regulation of sequence-specific DNA binding transcription fact
ENSG00000127928	GNGT1 PPI subnetwork
MP:0006027	impaired lung alveolus development
ENSG00000143498	TAF1A PPI subnetwork
ENSG00000173349	SFT2D3 PPI subnetwork
MP:0008006	increased stomach pH
MP:0002492	decreased IgE level
MP:0003850	abnormal thymocyte activation
GO:0033238	regulation of cellular amine metabolic process
ENSG00000108443	RPS6KB1 PPI subnetwork
GO:0007420	brain development
ENSG00000124782	RREB1 PPI subnetwork
ENSG00000129152	MYOD1 PPI subnetwork
ENSG00000101400	SNTA1 PPI subnetwork
ENSG00000162244	RPL29 PPI subnetwork
ENSG00000213416	KRTAP4-12 PPI subnetwork
ENSG00000212908	ENSG00000212908 PPI subnetwork
GO:0034612	response to tumor necrosis factor
GO:0033017	sarcoplasmic reticulum membrane
ENSG00000134058	CDK7 PPI subnetwork
GO:0005790	smooth endoplasmic reticulum
GO:0055123	digestive system development
ENSG00000141543	EIF4A3 PPI subnetwork
GO:0045168	cell-cell signaling involved in cell fate commitment
REACTOME_SIGNALING_BY_BMP	REACTOME_SIGNALING_BY_BMP
GO:0004993	serotonin receptor activity
ENSG00000168066	SF1 PPI subnetwork
REACTOME_DOWNSTREAM_SIGNAL_TRAN	REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION
GO:0051606	detection of stimulus
MP:0006138	congestive heart failure
ENSG00000106683	LIMK1 PPI subnetwork
MP:0005104	abnormal tarsal bone morphology
REACTOME_ACTIVATION_OF_THE_PRE:REP	REACTOME_ACTIVATION_OF_THE_PRE:REPLICATIVE_COMPLE
ENSG00000010818	HIVEP2 PPI subnetwork
ENSG00000198042	MAK16 PPI subnetwork
GO:0002474	antigen processing and presentation of peptide antigen via MH
GO:0010810	regulation of cell-substrate adhesion
GO:0034332	adherens junction organization
REACTOME_BIOSYNTHESIS_OF_THE_N:GLY	REACTOME_BIOSYNTHESIS_OF_THE_N:GLYCAN_PRECURSOR_
REACTOME_RETROGRADE_NEUROTROPHIN	REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLING
GO:0002573	myeloid leukocyte differentiation
GO:0042129	regulation of T cell proliferation
MP:0003934	abnormal pancreas development
MP:0010792	abnormal stomach mucosa morphology

GO:0014909	smooth muscle cell migration
GO:0048864	stem cell development
GO:0006940	regulation of smooth muscle contraction
GO:0051098	regulation of binding
MP:0008040	decreased NK T cell number
GO:0007588	excretion
ENSG00000181090	EHMT1 PPI subnetwork
MP:0005480	increased circulating triiodothyronine level
MP:0004835	abnormal miniature endplate potential
ENSG00000082258	CCNT2 PPI subnetwork
GO:0006000	fructose metabolic process
REACTOME_COOPERATION_OF_PREFOLDIN	REACTOME_COOPERATION_OF_PREFOLDIN_AND_TRICCCT__
REACTOME_PREFOLDIN_MEDIATED_TRANS	REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRA
GO:0030099	myeloid cell differentiation
MP:0008272	abnormal endochondral bone ossification
MP:0001940	testis hypoplasia
ENSG00000023445	BIRC3 PPI subnetwork
ENSG00000103194	USP10 PPI subnetwork
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_P	KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
MP:0002657	chondrodystrophy
GO:0030513	positive regulation of BMP signaling pathway
ENSG00000169783	LINGO1 PPI subnetwork
REACTOME_REGULATORY_RNA_PATHWAYS	REACTOME_REGULATORY_RNA_PATHWAYS
REACTOME_MICRORNA_MIRNA_BIOGENES	REACTOME_MICRORNA_MIRNA_BIOGENESIS
GO:0051537	2 iron, 2 sulfur cluster binding
GO:0030801	positive regulation of cyclic nucleotide metabolic process
ENSG00000088305	DNMT3B PPI subnetwork
GO:0030880	RNA polymerase complex
ENSG00000113194	FAF2 PPI subnetwork
ENSG00000138376	BARD1 PPI subnetwork
ENSG00000138069	RAB1A PPI subnetwork
ENSG00000198641	ENSG00000198641 PPI subnetwork
ENSG00000129214	SHBG PPI subnetwork
ENSG00000185507	IRF7 PPI subnetwork
ENSG00000136738	STAM PPI subnetwork
MP:0001777	abnormal body temperature homeostasis
ENSG00000103126	AXIN1 PPI subnetwork
GO:0010464	regulation of mesenchymal cell proliferation
MP:0004613	fusion of vertebral arches
MP:0008540	abnormal cerebrum morphology
GO:0048708	astrocyte differentiation
REACTOME_NF:KB_IS_ACTIVATED_AND_SI	REACTOME_NF:KB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL
ENSG00000102977	ACD PPI subnetwork
GO:0042471	ear morphogenesis
GO:0045815	positive regulation of gene expression, epigenetic
ENSG00000068903	SIRT2 PPI subnetwork
ENSG00000130177	CDC16 PPI subnetwork
MP:0000031	abnormal cochlea morphology
ENSG00000141446	ESCO1 PPI subnetwork
ENSG00000189403	HMGB1 PPI subnetwork

MP:0009243	hairpin sperm flagellum
GO:0031098	stress-activated protein kinase signaling cascade
ENSG00000024048	UBR2 PPI subnetwork
GO:0007606	sensory perception of chemical stimulus
ENSG00000161970	RPL26 PPI subnetwork
GO:0072088	nephron epithelium morphogenesis
ENSG00000106992	AK1 PPI subnetwork
ENSG00000113196	HAND1 PPI subnetwork
ENSG00000111676	ATN1 PPI subnetwork
GO:0034399	nuclear periphery
GO:0008635	activation of cysteine-type endopeptidase activity involved in
MP:0006009	abnormal neuronal migration
ENSG00000077235	GTF3C1 PPI subnetwork
GO:0034505	tooth mineralization
GO:0003197	endocardial cushion development
ENSG00000130255	RPL36 PPI subnetwork
GO:0021782	glial cell development
ENSG00000095794	CREM PPI subnetwork
GO:0004702	receptor signaling protein serine/threonine kinase activity
GO:0070304	positive regulation of stress-activated protein kinase signaling
GO:0021532	neural tube patterning
MP:0003884	decreased macrophage cell number
MP:0000160	kyphosis
ENSG00000213611	ENSG00000213611 PPI subnetwork
GO:0060219	camera-type eye photoreceptor cell differentiation
GO:0006760	folic acid-containing compound metabolic process
ENSG00000143878	RHOB PPI subnetwork
GO:0042110	T cell activation
MP:0002764	short tibia
ENSG00000132155	RAF1 PPI subnetwork
GO:0071260	cellular response to mechanical stimulus
ENSG00000204681	GABBR1 PPI subnetwork
ENSG00000206466	GABBR1 PPI subnetwork
ENSG00000206511	GABBR1 PPI subnetwork
MP:0008392	decreased primordial germ cell number
GO:0051017	actin filament bundle assembly
ENSG00000206328	ENSG00000206328 PPI subnetwork
ENSG00000206439	TNF PPI subnetwork
ENSG00000204490	TNF PPI subnetwork
GO:0014910	regulation of smooth muscle cell migration
MP:0004532	abnormal inner hair cell stereociliary bundle morphology
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_	KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM
MP:0008071	absent B cells
ENSG00000144566	RAB5A PPI subnetwork
ENSG00000101413	RPRD1B PPI subnetwork
GO:0045598	regulation of fat cell differentiation
MP:0000272	abnormal aorta morphology
GO:0000977	RNA polymerase II regulatory region sequence-specific DNA bi
ENSG00000135503	ACVR1B PPI subnetwork
REACTOME_PYRUVATE_METABOLISM_ANI	REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TC/

ENSG00000166484	MAPK7 PPI subnetwork
GO:0030670	phagocytic vesicle membrane
ENSG00000162129	CLPB PPI subnetwork
MP:0008182	decreased marginal zone B cell number
GO:0045685	regulation of glial cell differentiation
ENSG00000117408	IPO13 PPI subnetwork
MP:0011083	complete lethality at weaning
MP:0009050	dilated proximal convoluted tubules
ENSG00000143520	FLG2 PPI subnetwork
MP:0010402	ventricular septal defect
GO:0032760	positive regulation of tumor necrosis factor production
REACTOME_PROCESSING_OF_INTRONLESS_	REACTOME_PROCESSING_OF_INTRONLESS_PRE:MRNAS
GO:0010039	response to iron ion
ENSG00000141480	ARRB2 PPI subnetwork
ENSG00000186868	MAPT PPI subnetwork
GO:0015931	nucleobase-containing compound transport
REACTOME_P75NTR_RECRUITS_SIGNALLIN	REACTOME_P75NTR_RECRUITS_SIGNALLING_COMPLEXES
ENSG00000185236	RAB11B PPI subnetwork
GO:0030804	positive regulation of cyclic nucleotide biosynthetic process
GO:0030810	positive regulation of nucleotide biosynthetic process
GO:0030553	cGMP binding
MP:0009750	impaired behavioral response to addictive substance
ENSG00000163166	IWS1 PPI subnetwork
ENSG00000032514	ENSG00000032514 PPI subnetwork
ENSG00000106052	TAX1BP1 PPI subnetwork
GO:0045089	positive regulation of innate immune response
GO:0043414	macromolecule methylation
ENSG00000097046	CDC7 PPI subnetwork
ENSG00000213246	SUPT4H1 PPI subnetwork
GO:0043568	positive regulation of insulin-like growth factor receptor signal
REACTOME_G:PROTEIN_ACTIVATION	REACTOME_G:PROTEIN_ACTIVATION
MP:0005547	abnormal Muller cell morphology
ENSG00000104689	TNFRSF10A PPI subnetwork
ENSG00000130561	SAG PPI subnetwork
GO:0030258	lipid modification
GO:0003887	DNA-directed DNA polymerase activity
ENSG00000074201	CLNS1A PPI subnetwork
MP:0000005	increased brown adipose tissue amount
ENSG00000184110	EIF3C PPI subnetwork
ENSG00000103343	ZNF174 PPI subnetwork
ENSG00000186831	ENSG00000186831 PPI subnetwork
GO:0010718	positive regulation of epithelial to mesenchymal transition
MP:0002184	abnormal innervation
ENSG00000100823	APEX1 PPI subnetwork
GO:0071705	nitrogen compound transport
GO:0045667	regulation of osteoblast differentiation
ENSG00000077514	POLD3 PPI subnetwork
GO:0009116	nucleoside metabolic process
ENSG00000204271	SPIN3 PPI subnetwork
ENSG00000186787	SPIN2B PPI subnetwork

MP:0010903	abnormal pulmonary alveolus wall morphology
ENSG00000118007	STAG1 PPI subnetwork
GO:0008320	protein transmembrane transporter activity
GO:0022884	macromolecule transmembrane transporter activity
GO:0030903	notochord development
GO:0060193	positive regulation of lipase activity
REACTOME_NEUROTRANSMITTER_RELEASE	REACTOME_NEUROTRANSMITTER_RELEASE_CYCLE
GO:0016675	oxidoreductase activity, acting on a heme group of donors
ENSG00000068305	MEF2A PPI subnetwork
MP:0009655	abnormal secondary palate development
ENSG00000056558	TRAF1 PPI subnetwork
ENSG00000103051	COG4 PPI subnetwork
ENSG00000112242	E2F3 PPI subnetwork
ENSG00000113263	ITK PPI subnetwork
ENSG00000065361	ERBB3 PPI subnetwork
MP:0003290	intestinal hypoperistalsis
ENSG00000137500	CCDC90B PPI subnetwork
GO:0009062	fatty acid catabolic process
MP:0008217	abnormal B cell activation
MP:0002631	abnormal epididymis morphology
REACTOME_PI:3K_CASCADE	REACTOME_PI:3K_CASCADE
MP:0008395	abnormal osteoblast differentiation
MP:0006316	increased urine sodium level
GO:0045216	cell-cell junction organization
ENSG00000184634	MED12 PPI subnetwork
GO:0045069	regulation of viral genome replication
REACTOME_LYSOSOME_VESICLE_BIOGENES	REACTOME_LYSOSOME_VESICLE_BIOGENESIS
ENSG00000088035	ALG6 PPI subnetwork
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
GO:0002694	regulation of leukocyte activation
GO:0002377	immunoglobulin production
ENSG00000065559	MAP2K4 PPI subnetwork
MP:0011448	decreased dopaminergic neuron number
MP:0001973	increased thermal nociceptive threshold
ENSG00000159461	AMFR PPI subnetwork
MP:0005215	abnormal pancreatic islet morphology
GO:0022618	ribonucleoprotein complex assembly
GO:0002706	regulation of lymphocyte mediated immunity
MP:0001157	small seminal vesicle
GO:0000139	Golgi membrane
ENSG00000009307	CSDE1 PPI subnetwork
REACTOME_NEGATIVE_REGULATION_OF_F	REACTOME_NEGATIVE_REGULATION_OF_FGFR_SIGNALING
ENSG00000072803	FBXW11 PPI subnetwork
GO:0070851	growth factor receptor binding
ENSG00000061273	HDAC7 PPI subnetwork
ENSG00000189091	SF3B3 PPI subnetwork
ENSG00000203811	HIST2H3C PPI subnetwork
ENSG00000183598	HIST2H3D PPI subnetwork
MP:0000284	double outlet heart right ventricle
ENSG00000206450	HLA-B PPI subnetwork

ENSG00000167552	TUBA1A PPI subnetwork
GO:0050664	oxidoreductase activity, acting on NADH or NADPH, oxygen as
GO:0001755	neural crest cell migration
ENSG00000163554	SPTA1 PPI subnetwork
MP:0006029	abnormal sclerotome morphology
MP:0000222	decreased neutrophil cell number
ENSG00000084463	WBP11 PPI subnetwork
GO:0030282	bone mineralization
GO:0002831	regulation of response to biotic stimulus
GO:0046888	negative regulation of hormone secretion
ENSG00000100324	TAB1 PPI subnetwork
GO:0009416	response to light stimulus
ENSG00000079785	DDX1 PPI subnetwork
ENSG00000071082	RPL31 PPI subnetwork
GO:0055001	muscle cell development
KEGG_INTESTINAL_IMMUNE_NETWORK_FC	KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTI
GO:0061371	determination of heart left/right asymmetry
GO:0001947	heart looping
ENSG00000144029	MRPS5 PPI subnetwork
GO:0072078	nephron tubule morphogenesis
GO:0071356	cellular response to tumor necrosis factor
GO:0060445	branching involved in salivary gland morphogenesis
MP:0004608	abnormal cervical axis morphology
ENSG00000132964	CDK8 PPI subnetwork
GO:0050729	positive regulation of inflammatory response
ENSG00000064961	HMG20B PPI subnetwork
ENSG00000168148	HIST3H3 PPI subnetwork
GO:0043500	muscle adaptation
ENSG00000184216	IRAK1 PPI subnetwork
GO:0061053	somite development
MP:0000966	decreased sensory neuron number
KEGG_RNA_POLYMERASE	KEGG_RNA_POLYMERASE
GO:0046474	glycerophospholipid biosynthetic process
MP:0002116	abnormal craniofacial bone morphology
ENSG00000138696	BMPR1B PPI subnetwork
GO:0015837	amine transport
GO:0051233	spindle midzone
ENSG00000152700	SAR1B PPI subnetwork
GO:0002637	regulation of immunoglobulin production
ENSG00000162290	ENSG00000162290 PPI subnetwork
GO:0001619	lysosphingolipid and lysophosphatidic acid receptor activity
ENSG00000158517	NCF1 PPI subnetwork
MP:0001053	abnormal neuromuscular synapse morphology
ENSG00000145901	TNIP1 PPI subnetwork
ENSG00000067560	RHOA PPI subnetwork
ENSG00000124762	CDKN1A PPI subnetwork
GO:0090312	positive regulation of protein deacetylation
ENSG00000101213	PTK6 PPI subnetwork
GO:0003730	mRNA 3'-UTR binding
ENSG00000144554	FANCD2 PPI subnetwork

REACTOME_SHC:MEDIATED_CASCADE	REACTOME_SHC:MEDIATED_CASCADE
ENSG00000183386	FHL3 PPI subnetwork
ENSG00000131069	ACSS2 PPI subnetwork
GO:0051480	cytosolic calcium ion homeostasis
ENSG00000197386	HTT PPI subnetwork
GO:0051236	establishment of RNA localization
GO:0050657	nucleic acid transport
GO:0050658	RNA transport
ENSG00000197299	BLM PPI subnetwork
ENSG00000197102	DYNC1H1 PPI subnetwork
REACTOME_ACETYLCHOLINE_BINDING_ANI	REACTOME_ACETYLCHOLINE_BINDING_AND_DOWNSTREAM_
REACTOME_ACTIVATION_OF_NICOTINIC_A	REACTOME_ACTIVATION_OF_NICOTINIC_ACETYLCHOLINE_RE
REACTOME_POSTSYNAPTIC_NICOTINIC_AC	REACTOME_POSTSYNAPTIC_NICOTINIC_ACETYLCHOLINE_REC
GO:0003777	microtubule motor activity
ENSG00000213741	RPS29 PPI subnetwork
MP:0001802	arrested B cell differentiation
GO:0014855	striated muscle cell proliferation
GO:0014031	mesenchymal cell development
MP:0000890	thin cerebellar molecular layer
GO:0045076	regulation of interleukin-2 biosynthetic process
GO:0000428	DNA-directed RNA polymerase complex
GO:0055029	nuclear DNA-directed RNA polymerase complex
ENSG00000023734	STRAP PPI subnetwork
GO:0019843	rRNA binding
MP:0002239	abnormal nasal septum morphology
ENSG00000170312	CDK1 PPI subnetwork
ENSG00000173110	HSPA6 PPI subnetwork
MP:0009504	abnormal mammary gland epithelium morphology
GO:0006081	cellular aldehyde metabolic process
ENSG00000106299	WASL PPI subnetwork
ENSG00000150760	DOCK1 PPI subnetwork
ENSG00000169249	ZRSR2 PPI subnetwork
MP:0008208	decreased pro-B cell number
ENSG00000123268	ATF1 PPI subnetwork
ENSG00000174292	TNK1 PPI subnetwork
GO:0046427	positive regulation of JAK-STAT cascade
GO:0006378	mRNA polyadenylation
MP:0002339	abnormal lymph node morphology
GO:0007223	Wnt receptor signaling pathway, calcium modulating pathway
ENSG00000142655	PEX14 PPI subnetwork
ENSG00000054116	TRAPPC3 PPI subnetwork
GO:0031128	developmental induction
GO:0034440	lipid oxidation
ENSG00000139144	PIK3C2G PPI subnetwork
MP:0006317	decreased urine sodium level
GO:0031527	filopodium membrane
GO:0030279	negative regulation of ossification
GO:0002040	sprouting angiogenesis
MP:0002016	ovary cysts
GO:0009190	cyclic nucleotide biosynthetic process

REACTOME_THROMBIN_SIGNALLING_THRC	REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE
MP:0004215	abnormal myocardial fiber physiology
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_C:STRAND_OF_
ENSG00000063244	U2AF2 PPI subnetwork
MP:0004620	cervical vertebral fusion
REACTOME_ANTIGEN_PROCESSING_UBIQU	REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION__PROT
ENSG00000123374	CDK2 PPI subnetwork
MP:0006325	impaired hearing
ENSG00000089818	NECAP1 PPI subnetwork
MP:0000822	abnormal brain ventricle morphology
ENSG00000031698	SARS PPI subnetwork
ENSG00000100353	EIF3D PPI subnetwork
ENSG00000198563	DDX39B PPI subnetwork
ENSG00000215412	ENSG00000215412 PPI subnetwork
ENSG00000215425	DDX39B PPI subnetwork
GO:0048384	retinoic acid receptor signaling pathway
ENSG00000073050	XRCC1 PPI subnetwork
GO:0055038	recycling endosome membrane
ENSG00000125447	GGA3 PPI subnetwork
MP:0006380	abnormal spermatid morphology
GO:0050908	detection of light stimulus involved in visual perception
GO:0050962	detection of light stimulus involved in sensory perception
MP:0004804	decreased susceptibility to autoimmune diabetes
MP:0004970	kidney atrophy
GO:0005313	L-glutamate transmembrane transporter activity
GO:0009615	response to virus
ENSG00000137177	KIF13A PPI subnetwork
REACTOME_PEPTIDE_CHAIN_ELONGATION	REACTOME_PEPTIDE_CHAIN_ELONGATION
MP:0002460	decreased immunoglobulin level
MP:0004025	polyploidy
ENSG00000177700	POLR2L PPI subnetwork
GO:0002042	cell migration involved in sprouting angiogenesis
ENSG00000105221	AKT2 PPI subnetwork
GO:0048246	macrophage chemotaxis
ENSG00000105325	FZR1 PPI subnetwork
REACTOME_NF:KB_ACTIVATION_THROUGH	REACTOME_NF:KB_ACTIVATION_THROUGH_FADDRIP:1_PATH
ENSG00000184009	ACTG1 PPI subnetwork
MP:0001153	small seminiferous tubules
REACTOME_O:LINKED_GLYCOSYLATION_OF	REACTOME_O:LINKED_GLYCOSYLATION_OF_MUCINS
MP:0004800	decreased susceptibility to experimental autoimmune enceph
GO:0031069	hair follicle morphogenesis
MP:0002024	T cell derived lymphoma
MP:0003564	abnormal insulin secretion
GO:0016055	Wnt receptor signaling pathway
GO:0002821	positive regulation of adaptive immune response
ENSG00000198176	TFDP1 PPI subnetwork
MP:0004607	abnormal cervical atlas morphology
KEGG_FC_EPSILON_RI_SIGNALING_PATHW	KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY
MP:0008056	abnormal retinal ganglion cell morphology
ENSG00000109332	UBE2D3 PPI subnetwork

GO:0004812	aminoacyl-tRNA ligase activity
GO:0016875	ligase activity, forming carbon-oxygen bonds
GO:0016876	ligase activity, forming aminoacyl-tRNA and related compounc
KEGG_SELENOAMINO_ACID_METABOLISM	KEGG_SELENOAMINO_ACID_METABOLISM
GO:0019827	stem cell maintenance
GO:0004519	endonuclease activity
GO:0005253	anion channel activity
GO:0042474	middle ear morphogenesis
ENSG00000056678	ENSG00000056678 PPI subnetwork
ENSG00000204197	KIFC1 PPI subnetwork
ENSG00000198265	HELZ PPI subnetwork
MP:0003451	absent olfactory bulb
MP:0006089	abnormal vestibular saccule morphology
GO:0034142	toll-like receptor 4 signaling pathway
GO:0006479	protein methylation
GO:0008213	protein alkylation
REACTOME_ORGANIC_CATIONANIONZWIT	REACTOME_ORGANIC_CATIONANIONZWITTERION_TRANSPOF
MP:0004401	increased cochlear outer hair cell number
REACTOME_GENERIC_TRANSCRIPTION_PAT	REACTOME_GENERIC_TRANSCRIPTION_PATHWAY
GO:0048486	parasympathetic nervous system development
ENSG00000149503	INCENP PPI subnetwork
MP:0000961	abnormal dorsal root ganglion morphology
KEGG_PRIMARY_IMMUNODEFICIENCY	KEGG_PRIMARY_IMMUNODEFICIENCY
GO:0007389	pattern specification process
GO:0021903	rostrocaudal neural tube patterning
ENSG00000137575	SDCBP PPI subnetwork
GO:0016049	cell growth
ENSG00000125970	RALY PPI subnetwork
ENSG00000197063	MAFG PPI subnetwork
ENSG00000015475	BID PPI subnetwork
MP:0008271	abnormal bone ossification
GO:0019395	fatty acid oxidation
ENSG00000107779	BMPR1A PPI subnetwork
ENSG00000029363	BCLAF1 PPI subnetwork
MP:0002027	lung adenocarcinoma
GO:0002709	regulation of T cell mediated immunity
ENSG00000168036	CTNNB1 PPI subnetwork
ENSG00000140992	PDPK1 PPI subnetwork
GO:2000241	regulation of reproductive process
GO:0051023	regulation of immunoglobulin secretion
MP:0008481	increased spleen germinal center number
GO:0060443	mammary gland morphogenesis
ENSG00000149968	MMP3 PPI subnetwork
GO:0009267	cellular response to starvation
ENSG00000056972	TRAF3IP2 PPI subnetwork
MP:0002375	abnormal thymus medulla morphology
ENSG00000055163	CYFIP2 PPI subnetwork
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STR
GO:0002886	regulation of myeloid leukocyte mediated immunity
MP:0004322	abnormal sternebra morphology

GO:0015035	protein disulfide oxidoreductase activity
GO:0009068	aspartate family amino acid catabolic process
ENSG00000137076	TLN1 PPI subnetwork
MP:0001932	abnormal spermiogenesis
GO:0048872	homeostasis of number of cells
GO:2000826	regulation of heart morphogenesis
GO:0044427	chromosomal part
ENSG00000137673	MMP7 PPI subnetwork
REACTOME_CELL_CYCLE_MITOTIC	REACTOME_CELL_CYCLE_MITOTIC
ENSG00000078967	UBE2D4 PPI subnetwork
MP:0000536	hydroureter
ENSG00000205542	TMSB4X PPI subnetwork
GO:0072524	pyridine-containing compound metabolic process
GO:0019362	pyridine nucleotide metabolic process
GO:0019783	small conjugating protein-specific protease activity
ENSG00000187840	EIF4EBP1 PPI subnetwork
ENSG00000171530	TBCA PPI subnetwork
GO:0048565	digestive tract development
ENSG00000170142	UBE2E1 PPI subnetwork
ENSG00000089009	RPL6 PPI subnetwork
GO:0030330	DNA damage response, signal transduction by p53 class media
GO:0061061	muscle structure development
GO:0060537	muscle tissue development
ENSG00000103168	TAF1C PPI subnetwork
MP:0010263	total cataracts
ENSG00000111245	MYL2 PPI subnetwork
ENSG00000177084	POLE PPI subnetwork
ENSG00000119041	GTF3C3 PPI subnetwork
GO:0015629	actin cytoskeleton
GO:0008063	Toll signaling pathway
REACTOME_BRANCHED:CHAIN_AMINO_AC	REACTOME_BRANCHED:CHAIN_AMINO_ACID_CATABOLISM
GO:0032592	integral to mitochondrial membrane
ENSG00000197451	HNRNPAB PPI subnetwork
REACTOME_INTERLEUKIN:2_SIGNALING	REACTOME_INTERLEUKIN:2_SIGNALING
GO:0042472	inner ear morphogenesis
REACTOME_RNA_POLYMERASE_III_ABORTI	REACTOME_RNA_POLYMERASE_III_ABORTIVE_AND_RETRACT
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION
ENSG00000090861	AARS PPI subnetwork
GO:2000106	regulation of leukocyte apoptotic process
GO:0042440	pigment metabolic process
GO:0001822	kidney development
ENSG00000102753	KPNA3 PPI subnetwork
MP:0005193	abnormal anterior eye segment morphology
GO:0009952	anterior/posterior pattern specification
GO:0000794	condensed nuclear chromosome
GO:0015450	P-P-bond-hydrolysis-driven protein transmembrane transporte
GO:0090100	positive regulation of transmembrane receptor protein serine,
GO:0050731	positive regulation of peptidyl-tyrosine phosphorylation
GO:0019751	polyol metabolic process
ENSG00000133026	MYH10 PPI subnetwork

REACTOME_CYTOSOLIC_TRNA_AMINOACYL	REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION
GO:0003179	heart valve morphogenesis
MP:0009172	small pancreatic islets
ENSG00000158402	CDC25C PPI subnetwork
ENSG00000108819	ENSG00000108819 PPI subnetwork
ENSG00000162521	RBBP4 PPI subnetwork
GO:0072001	renal system development
GO:0019002	GMP binding
ENSG00000102387	TAF7L PPI subnetwork
GO:0070167	regulation of biomineral tissue development
GO:0051082	unfolded protein binding
MP:0005092	decreased double-positive T cell number
GO:0031018	endocrine pancreas development
ENSG00000101856	PGRMC1 PPI subnetwork
ENSG00000159216	RUNX1 PPI subnetwork
MP:0002812	spherocytosis
ENSG00000175029	CTBP2 PPI subnetwork
REACTOME_FGFR_LIGAND_BINDING_AND_	REACTOME_FGFR_LIGAND_BINDING_AND_ACTIVATION
ENSG00000034713	GABARAPL2 PPI subnetwork
GO:0019953	sexual reproduction
ENSG00000136950	ARPC5L PPI subnetwork
REACTOME_REGULATION_OF_PYRUVATE_I	REACTOME_REGULATION_OF_PYRUVATE_DEHYDROGENASE_
ENSG00000101868	POLA1 PPI subnetwork
ENSG00000125885	MCM8 PPI subnetwork
REACTOME_SPHINGOLIPID_DE_NOVO_BIO	REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS
GO:0019400	alditol metabolic process
MP:0006279	abnormal limb development
MP:0001906	increased dopamine level
GO:0002293	alpha-beta T cell differentiation involved in immune response
GO:0002287	alpha-beta T cell activation involved in immune response
MP:0004145	abnormal muscle electrophysiology
MP:0009038	decreased inferior colliculus size
MP:0005352	small cranium
ENSG00000172809	RPL38 PPI subnetwork
GO:0001533	cornified envelope
GO:0030728	ovulation
REACTOME_INTERLEUKIN:3_5_AND_GM:CS	REACTOME_INTERLEUKIN:3_5_AND_GM:CSF_SIGNALING
ENSG00000169714	CNBP PPI subnetwork
ENSG00000166508	MCM7 PPI subnetwork
ENSG00000109062	SLC9A3R1 PPI subnetwork
REACTOME_NUCLEOTIDE:BINDING_DOMAI	REACTOME_NUCLEOTIDE:BINDING_DOMAIN_LEUCINE_RICH_
ENSG00000135597	REPS1 PPI subnetwork
MP:0003645	increased pancreatic beta cell number
ENSG00000105447	GRWD1 PPI subnetwork
GO:0030509	BMP signaling pathway
GO:0001823	mesonephros development
GO:0051287	NAD binding
GO:2000177	regulation of neural precursor cell proliferation
GO:0002292	T cell differentiation involved in immune response
REACTOME_REPAIR_SYNTHESIS_OF_PATCH	REACTOME_REPAIR_SYNTHESIS_OF_PATCH_27:30_BASES_LO

REACTOME_REPAIR_SYNTHESIS_FOR_GAP:I	REACTOME_REPAIR_SYNTHESIS_FOR_GAP:FILLING_BY_DNA_I
ENSG00000125753	VASP PPI subnetwork
ENSG00000166848	TERF2IP PPI subnetwork
GO:0007276	gamete generation
ENSG00000137815	RTF1 PPI subnetwork
REACTOME_MAP_KINASE_ACTIVATION_IN_	REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE
ENSG00000138081	FBXO11 PPI subnetwork
MP:0006280	abnormal digit development
GO:0048002	antigen processing and presentation of peptide antigen
MP:0000752	dystrophic muscle
GO:0015036	disulfide oxidoreductase activity
GO:0006916	anti-apoptosis
MP:0006054	spinal hemorrhage
MP:0008720	impaired neutrophil chemotaxis
GO:0001085	RNA polymerase II transcription factor binding
GO:0002274	myeloid leukocyte activation
ENSG00000139182	CLSTN3 PPI subnetwork
GO:0007350	blastoderm segmentation
ENSG00000130066	SAT1 PPI subnetwork
GO:0046649	lymphocyte activation
ENSG00000187109	NAP1L1 PPI subnetwork
ENSG00000112049	ENSG00000112049 PPI subnetwork
MP:0000024	lowered ear position
ENSG00000145414	NAF1 PPI subnetwork
ENSG00000187391	MAGI2 PPI subnetwork
ENSG00000147853	AK3 PPI subnetwork
ENSG00000106263	EIF3B PPI subnetwork
MP:0003560	osteoarthritis
REACTOME_CRMPS_IN_SEMA3A_SIGNALIN	REACTOME_CRMPS_IN_SEMA3A_SIGNALING
ENSG00000070501	POLB PPI subnetwork
GO:0071158	positive regulation of cell cycle arrest
GO:0035019	somatic stem cell maintenance
GO:0072234	metanephric nephron tubule development
GO:0072243	metanephric nephron epithelium development
MP:0001324	abnormal eye pigmentation
GO:0015081	sodium ion transmembrane transporter activity
ENSG00000060558	GNA15 PPI subnetwork
GO:0021795	cerebral cortex cell migration
MP:0001178	pulmonary hypoplasia
ENSG00000138795	LEF1 PPI subnetwork
MP:0002026	leukemia
GO:0006107	oxaloacetate metabolic process
GO:0000038	very long-chain fatty acid metabolic process
MP:0008044	increased NK cell number
GO:0032813	tumor necrosis factor receptor superfamily binding
GO:0002711	positive regulation of T cell mediated immunity
ENSG00000006075	CCL3 PPI subnetwork
MP:0005441	increased urine calcium level
GO:0000049	tRNA binding
GO:0007040	lysosome organization

GO:0071826	ribonucleoprotein complex subunit organization
ENSG00000070785	EIF2B3 PPI subnetwork
GO:0007076	mitotic chromosome condensation
ENSG00000143466	IKBKE PPI subnetwork
ENSG00000198730	CTR9 PPI subnetwork
REACTOME_CLASS_C3_METABOTROPIC_GL	REACTOME_CLASS_C3_METABOTROPIC_GLUTAMATEPHEROM
GO:0019058	viral infectious cycle
GO:0060485	mesenchyme development
ENSG00000136936	XPA PPI subnetwork
GO:0004954	prostanoid receptor activity
GO:0004953	icosanoid receptor activity
GO:0046887	positive regulation of hormone secretion
ENSG00000120656	TAF12 PPI subnetwork
ENSG00000206493	HLA-E PPI subnetwork
ENSG00000206413	ENSG00000206413 PPI subnetwork
GO:0002717	positive regulation of natural killer cell mediated immunity
GO:0045954	positive regulation of natural killer cell mediated cytotoxicity
GO:0006917	induction of apoptosis
GO:0070670	response to interleukin-4
REACTOME_LAGGING_STRAND_SYNTHESIS	REACTOME_LAGGING_STRAND_SYNTHESIS
ENSG00000120697	ALG5 PPI subnetwork
ENSG00000105204	DYRK1B PPI subnetwork
ENSG00000171148	TADA3 PPI subnetwork
MP:0005017	decreased B cell number
ENSG00000163464	CXCR1 PPI subnetwork
GO:0035050	embryonic heart tube development
ENSG00000085840	ORC1 PPI subnetwork
GO:0032944	regulation of mononuclear cell proliferation
GO:0000784	nuclear chromosome, telomeric region
ENSG00000108312	UBTF PPI subnetwork
GO:0000084	S phase of mitotic cell cycle
ENSG00000006468	ETV1 PPI subnetwork
GO:0009914	hormone transport
REACTOME_EARLY_PHASE_OF_HIV_LIFE_C	REACTOME_EARLY_PHASE_OF_HIV_LIFE_CYCLE
MP:0002608	increased hematocrit
MP:0002730	head shaking
GO:0005516	calmodulin binding
GO:0070663	regulation of leukocyte proliferation
MP:0003109	short femur
ENSG00000143119	CD53 PPI subnetwork
GO:0009566	fertilization
GO:0031063	regulation of histone deacetylation
GO:0008093	cytoskeletal adaptor activity
GO:0071346	cellular response to interferon-gamma
ENSG00000183207	RUVBL2 PPI subnetwork
GO:0060038	cardiac muscle cell proliferation
GO:0031513	nonmotile primary cilium
ENSG00000165699	TSC1 PPI subnetwork
ENSG00000174021	GNG5 PPI subnetwork
REACTOME_EUKARYOTIC_TRANSLATION_E	REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION

ENSG00000163161	ERCC3 PPI subnetwork
GO:0060560	developmental growth involved in morphogenesis
MP:0000820	abnormal choroid plexus morphology
ENSG00000168040	FADD PPI subnetwork
ENSG00000154556	SORBS2 PPI subnetwork
ENSG00000169710	FASN PPI subnetwork
ENSG00000123338	NCKAP1L PPI subnetwork
ENSG00000157916	RER1 PPI subnetwork
GO:0032570	response to progesterone stimulus
ENSG00000117594	HSD11B1 PPI subnetwork
ENSG00000129993	CBFA2T3 PPI subnetwork
GO:0010833	telomere maintenance via telomere lengthening
ENSG00000129514	FOXA1 PPI subnetwork
GO:0030178	negative regulation of Wnt receptor signaling pathway
GO:0021511	spinal cord patterning
MP:0005176	eyelids fail to open
ENSG00000206385	ENSG00000206385 PPI subnetwork
ENSG00000137337	MDC1 PPI subnetwork
GO:0050953	sensory perception of light stimulus
MP:0005330	cardiomyopathy
GO:0006984	ER-nucleus signaling pathway
GO:0035710	CD4-positive, alpha-beta T cell activation
ENSG00000134057	CCNB1 PPI subnetwork
ENSG00000131828	PDHA1 PPI subnetwork
GO:0033077	T cell differentiation in thymus
KEGG_GNRH_SIGNALING_PATHWAY	KEGG_GNRH_SIGNALING_PATHWAY
KEGG_NEUROACTIVE_LIGAND_RECEPTOR_I	KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION
ENSG00000177688	SUMO4 PPI subnetwork
ENSG00000184381	PLA2G6 PPI subnetwork
ENSG00000108840	HDAC5 PPI subnetwork
GO:0045669	positive regulation of osteoblast differentiation
ENSG00000094631	HDAC6 PPI subnetwork
MP:0000162	lordosis
GO:0009583	detection of light stimulus
GO:0015939	pantothenate metabolic process
GO:0005740	mitochondrial envelope
MP:0002459	abnormal B cell physiology
GO:0048762	mesenchymal cell differentiation
MP:0005012	decreased eosinophil cell number
ENSG00000099389	ENSG00000099389 PPI subnetwork
ENSG00000039068	CDH1 PPI subnetwork
ENSG00000110768	GTF2H1 PPI subnetwork
GO:0035270	endocrine system development
REACTOME_AQUAPORIN:MEDIATED_TRAN	REACTOME_AQUAPORIN:MEDIATED_TRANSPORT
GO:0012502	induction of programmed cell death
ENSG00000156697	UTP14A PPI subnetwork
GO:0003170	heart valve development
MP:0002389	abnormal Peyer's patch follicle morphology
ENSG00000113240	CLK4 PPI subnetwork
GO:0060795	cell fate commitment involved in formation of primary germ la

ENSG00000177105	RHOG PPI subnetwork
MP:0004522	abnormal orientation of cochlear hair cell stereociliary bundles
GO:0046637	regulation of alpha-beta T cell differentiation
ENSG00000173210	ABLIM3 PPI subnetwork
ENSG00000138018	EPT1 PPI subnetwork
GO:0008637	apoptotic mitochondrial changes
ENSG00000115540	MOB4 PPI subnetwork
ENSG00000203852	HIST2H3A PPI subnetwork
ENSG00000198821	CD247 PPI subnetwork
GO:0009408	response to heat
ENSG00000148053	NTRK2 PPI subnetwork
ENSG00000198909	MAP3K3 PPI subnetwork
MP:0006301	abnormal mesenchyme morphology
ENSG00000108823	SGCA PPI subnetwork
GO:0002080	acrosomal membrane
ENSG00000010030	ETV7 PPI subnetwork
GO:0005547	phosphatidylinositol-3,4,5-trisphosphate binding
MP:0003656	abnormal erythrocyte physiology
GO:0031649	heat generation
ENSG00000108688	CCL7 PPI subnetwork
MP:0010766	abnormal NK cell physiology
ENSG00000204592	HLA-E PPI subnetwork
ENSG00000111424	VDR PPI subnetwork
GO:0005035	death receptor activity
MP:0003132	increased pre-B cell number
GO:0045823	positive regulation of heart contraction
MP:0008211	decreased mature B cell number
GO:0035115	embryonic forelimb morphogenesis
GO:0050670	regulation of lymphocyte proliferation
ENSG00000109475	RPL34 PPI subnetwork
GO:0030111	regulation of Wnt receptor signaling pathway
ENSG00000184937	WT1 PPI subnetwork
MP:0000554	abnormal carpal bone morphology
ENSG00000140451	PIF1 PPI subnetwork
GO:0006521	regulation of cellular amino acid metabolic process
ENSG00000134954	ETS1 PPI subnetwork
ENSG00000116903	EXOC8 PPI subnetwork
ENSG00000104221	BRF2 PPI subnetwork
REACTOME_PKA_ACTIVATION_IN_GLUCAG	REACTOME_PKA_ACTIVATION_IN_GLUCAGON_SIGNALLING
GO:0045686	negative regulation of glial cell differentiation
MP:0005404	abnormal axon morphology
ENSG00000102978	POLR2C PPI subnetwork
ENSG00000146731	CCT6A PPI subnetwork
GO:0022029	telencephalon cell migration
ENSG00000039123	SKIV2L2 PPI subnetwork
GO:0002285	lymphocyte activation involved in immune response
GO:0071887	leukocyte apoptotic process
GO:0048846	axon extension involved in axon guidance
ENSG00000137818	RPLP1 PPI subnetwork
MP:0001793	altered susceptibility to infection

GO:0030098	lymphocyte differentiation
MP:0000709	enlarged thymus
GO:0021545	cranial nerve development
REACTOME_FRS2:MEDIATED_ACTIVATION	REACTOME_FRS2:MEDIATED_ACTIVATION
GO:0007435	salivary gland morphogenesis
ENSG00000107295	SH3GL2 PPI subnetwork
GO:0008375	acetylglucosaminyltransferase activity
MP:0002144	abnormal B cell differentiation
GO:0007601	visual perception
ENSG00000137831	UACA PPI subnetwork
GO:0060076	excitatory synapse
GO:0072498	embryonic skeletal joint development
GO:0043407	negative regulation of MAP kinase activity
ENSG00000117118	SDHB PPI subnetwork
REACTOME_NOD12_SIGNALING_PATHWAY	REACTOME_NOD12_SIGNALING_PATHWAY
ENSG00000074966	TXK PPI subnetwork
REACTOME_ACTIVATED_AMPK_STIMULATE	REACTOME_ACTIVATED_AMPK_STIMULATES_FATTY:ACID_OX
GO:0005665	DNA-directed RNA polymerase II, core complex
REACTOME_HORMONE_LIGAND:BINDING_	REACTOME_HORMONE_LIGAND:BINDING_RECEPTORS
ENSG00000184357	HIST1H1B PPI subnetwork
ENSG00000132470	ITGB4 PPI subnetwork
ENSG00000163017	ACTG2 PPI subnetwork
ENSG00000104613	INTS10 PPI subnetwork
ENSG00000157344	ENSG00000157344 PPI subnetwork
MP:0000926	absent floor plate
ENSG00000161800	RACGAP1 PPI subnetwork
ENSG00000099246	RAB18 PPI subnetwork
KEGG_PANCREATIC_CANCER	KEGG_PANCREATIC_CANCER
GO:0031966	mitochondrial membrane
MP:0004046	abnormal mitosis
MP:0003755	abnormal palate morphology
ENSG00000105971	CAV2 PPI subnetwork
GO:0005254	chloride channel activity
ENSG00000163682	RPL9 PPI subnetwork
ENSG00000182754	ENSG00000182754 PPI subnetwork
GO:0001843	neural tube closure
MP:0001636	irregular heartbeat
MP:0003345	decreased rib number
MP:0000968	abnormal sensory neuron innervation pattern
MP:0005016	decreased lymphocyte cell number
REACTOME_MITOCHONDRIAL_FATTY_ACID	REACTOME_MITOCHONDRIAL_FATTY_ACID_BETA:OXIDATION
ENSG00000166128	RAB8B PPI subnetwork
GO:0005544	calcium-dependent phospholipid binding
GO:0030878	thyroid gland development
MP:0002136	abnormal kidney physiology
ENSG00000102158	MAGT1 PPI subnetwork
GO:0003205	cardiac chamber development
ENSG00000204642	HLA-F PPI subnetwork
ENSG00000212874	ENSG00000212874 PPI subnetwork
ENSG00000198712	MT-CO2 PPI subnetwork

ENSG00000169057	MECP2 PPI subnetwork
GO:0008239	dipeptidyl-peptidase activity
GO:0015020	glucuronosyltransferase activity
GO:0002824	positive regulation of adaptive immune response based on so
ENSG00000100867	DHRS2 PPI subnetwork
GO:0048566	embryonic digestive tract development
MP:0001257	increased body length
ENSG00000145321	GC PPI subnetwork
GO:0003206	cardiac chamber morphogenesis
ENSG00000100697	DICER1 PPI subnetwork
ENSG00000077809	GTF2I PPI subnetwork
GO:0060071	Wnt receptor signaling pathway, planar cell polarity pathway
GO:0090175	regulation of establishment of planar polarity
ENSG00000110367	DDX6 PPI subnetwork
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_
ENSG00000206509	HLA-F PPI subnetwork
ENSG00000166225	FRS2 PPI subnetwork
GO:0051890	regulation of cardioblast differentiation
GO:0018208	peptidyl-proline modification
GO:0002263	cell activation involved in immune response
GO:0002366	leukocyte activation involved in immune response
MP:0003122	maternal imprinting
ENSG00000047936	ROS1 PPI subnetwork
KEGG_RENIN_ANGIOTENSIN_SYSTEM	KEGG_RENIN_ANGIOTENSIN_SYSTEM
ENSG00000015285	WAS PPI subnetwork
MP:0004753	abnormal miniature excitatory postsynaptic currents
MP:0005106	abnormal incus morphology
GO:0010741	negative regulation of intracellular protein kinase cascade
MP:0005296	abnormal humerus morphology
GO:0003338	metanephros morphogenesis
ENSG00000125450	NUP85 PPI subnetwork
GO:0010744	positive regulation of macrophage derived foam cell differenti
ENSG00000145592	RPL37 PPI subnetwork
GO:0030168	platelet activation
GO:0015711	organic anion transport
GO:0034707	chloride channel complex
GO:0003725	double-stranded RNA binding
ENSG00000075945	KIFAP3 PPI subnetwork
MP:0005608	cardiac interstitial fibrosis
GO:0016459	myosin complex
ENSG00000184922	FMNL1 PPI subnetwork
GO:0007617	mating behavior
ENSG00000163519	TRAT1 PPI subnetwork
ENSG00000164162	ANAPC10 PPI subnetwork
MP:0009890	cleft secondary palate
ENSG00000130382	MLLT1 PPI subnetwork
ENSG00000071909	MYO3B PPI subnetwork
ENSG00000185122	HSF1 PPI subnetwork
GO:0032633	interleukin-4 production
MP:0000239	absent common myeloid progenitor cells

ENSG00000078900	TP73 PPI subnetwork
KEGG_GLIOMA	KEGG_GLIOMA
MP:0004568	fusion of glossopharyngeal and vagus nerve
MP:0009417	skeletal muscle atrophy
ENSG00000198554	WDHD1 PPI subnetwork
ENSG00000158169	FANCC PPI subnetwork
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION
GO:0032623	interleukin-2 production
ENSG00000166226	CCT2 PPI subnetwork
ENSG00000141959	PFKL PPI subnetwork
KEGG_NON_HOMOLOGOUS_END_JOINING	KEGG_NON_HOMOLOGOUS_END_JOINING
MP:0005159	azoospermia
GO:0010562	positive regulation of phosphorus metabolic process
GO:0045937	positive regulation of phosphate metabolic process
GO:0030173	integral to Golgi membrane
ENSG00000005022	SLC25A5 PPI subnetwork
MP:0000286	abnormal mitral valve morphology
GO:0070169	positive regulation of biomineral tissue development
ENSG00000130741	EIF2S3 PPI subnetwork
GO:0005762	mitochondrial large ribosomal subunit
GO:0000315	organellar large ribosomal subunit
GO:0000080	G1 phase of mitotic cell cycle
ENSG00000166971	AKTIP PPI subnetwork
GO:0009124	nucleoside monophosphate biosynthetic process
GO:0003143	embryonic heart tube morphogenesis
GO:0014706	striated muscle tissue development
GO:0046658	anchored to plasma membrane
GO:0006071	glycerol metabolic process
GO:0005637	nuclear inner membrane
GO:0005732	small nucleolar ribonucleoprotein complex
GO:2000242	negative regulation of reproductive process
REACTOME_PKA_ACTIVATION	REACTOME_PKA_ACTIVATION
ENSG00000162736	NCSTN PPI subnetwork
MP:0005297	spina bifida occulta
ENSG00000125798	FOXA2 PPI subnetwork
GO:0042168	heme metabolic process
ENSG00000083896	YTHDC1 PPI subnetwork
ENSG00000105723	GSK3A PPI subnetwork
ENSG00000136026	CKAP4 PPI subnetwork
GO:0060444	branching involved in mammary gland duct morphogenesis
GO:0030317	sperm motility
ENSG00000131508	UBE2D2 PPI subnetwork
ENSG00000168061	SAC3D1 PPI subnetwork
ENSG00000178585	CTNNBIP1 PPI subnetwork
GO:0048306	calcium-dependent protein binding
MP:0003235	abnormal alisphenoid bone morphology
ENSG00000166851	PLK1 PPI subnetwork
GO:0048645	organ formation
MP:0001081	abnormal cranial ganglia morphology
GO:0016862	intramolecular oxidoreductase activity, interconverting keto- a

GO:0007204	elevation of cytosolic calcium ion concentration
MP:0009230	abnormal sperm head morphology
MP:0008049	increased memory T cell number
REACTOME_CELL_CYCLE	REACTOME_CELL_CYCLE
ENSG00000196975	ANXA4 PPI subnetwork
GO:0002221	pattern recognition receptor signaling pathway
ENSG00000100941	PNN PPI subnetwork
GO:0031078	histone deacetylase activity (H3-K14 specific)
GO:0034739	histone deacetylase activity (H4-K16 specific)
GO:0046970	NAD-dependent histone deacetylase activity (H4-K16 specific)
GO:0032041	NAD-dependent histone deacetylase activity (H3-K14 specific)
ENSG00000124422	USP22 PPI subnetwork
ENSG00000138768	USO1 PPI subnetwork
ENSG00000094880	CDC23 PPI subnetwork
GO:0044442	microtubule-based flagellum part
GO:0044460	flagellum part
ENSG00000188386	PPP3R2 PPI subnetwork
GO:0060412	ventricular septum morphogenesis
ENSG00000177200	CHD9 PPI subnetwork
MP:0008410	increased cellular sensitivity to ultraviolet irradiation
GO:0006921	cellular component disassembly involved in apoptotic process
MP:0004814	reduced linear vestibular evoked potential
ENSG00000113013	HSPA9 PPI subnetwork
MP:0005157	holoprosencephaly
MP:0008827	abnormal thymus cell ratio
ENSG00000177791	MYOZ1 PPI subnetwork
MP:0001745	increased circulating corticosterone level
ENSG00000079739	PGM1 PPI subnetwork
MP:0000706	small thymus
ENSG00000138346	DNA2 PPI subnetwork
GO:0002286	T cell activation involved in immune response
ENSG00000204599	TRIM39 PPI subnetwork
ENSG00000206495	TRIM39 PPI subnetwork
ENSG00000206419	ENSG00000206419 PPI subnetwork
GO:0004221	ubiquitin thiolesterase activity
GO:0042809	vitamin D receptor binding
ENSG00000153071	DAB2 PPI subnetwork
ENSG00000160917	CPSF4 PPI subnetwork
ENSG00000114353	GNAI2 PPI subnetwork
GO:0090092	regulation of transmembrane receptor protein serine/threoni
ENSG00000163605	PPP4R2 PPI subnetwork
GO:0015872	dopamine transport
GO:0060042	retina morphogenesis in camera-type eye
GO:0005109	frizzled binding
ENSG00000075618	FSCN1 PPI subnetwork
MP:0000242	impaired fertilization
ENSG00000184897	H1FX PPI subnetwork
ENSG00000079950	STX7 PPI subnetwork
ENSG00000183763	TRAIP PPI subnetwork
GO:0007413	axonal fasciculation

MP:0003998	decreased thermal nociceptive threshold
GO:0000781	chromosome, telomeric region
ENSG00000171862	PTEN PPI subnetwork
MP:0004359	short ulna
ENSG00000142039	CCDC97 PPI subnetwork
GO:0045063	T-helper 1 cell differentiation
ENSG00000158195	WASF2 PPI subnetwork
ENSG00000043462	LCP2 PPI subnetwork
GO:0035051	cardiac cell differentiation
REACTOME_P2Y_RECEPTORS	REACTOME_P2Y_RECEPTORS
REACTOME_CYCLIN_AB1_ASSOCIATED_EVE	REACTOME_CYCLIN_AB1_ASSOCIATED_EVENTS_DURING_G2M
MP:0000875	abnormal cerebellar Purkinje cell layer
ENSG00000011007	TCEB3 PPI subnetwork
ENSG00000127616	SMARCA4 PPI subnetwork
GO:0010564	regulation of cell cycle process
ENSG00000111275	ALDH2 PPI subnetwork
ENSG00000108518	PFN1 PPI subnetwork
ENSG00000172175	MALT1 PPI subnetwork
ENSG00000161647	MPP3 PPI subnetwork
ENSG00000116095	PLEKHA3 PPI subnetwork
MP:0008279	arrest of spermiogenesis
GO:0046883	regulation of hormone secretion
ENSG00000139626	ITGB7 PPI subnetwork
GO:0050680	negative regulation of epithelial cell proliferation
ENSG00000109814	UGDH PPI subnetwork
ENSG00000163879	DNALI1 PPI subnetwork
GO:0007602	phototransduction
REACTOME_MAPK_TARGETS_NUCLEAR_EV	REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_
MP:0005089	decreased double-negative T cell number
GO:0000184	nuclear-transcribed mRNA catabolic process, nonsense-media
GO:0021602	cranial nerve morphogenesis
MP:0006269	abnormal mammary gland growth during pregnancy
ENSG00000170847	ENSG00000170847 PPI subnetwork
ENSG00000173534	ENSG00000173534 PPI subnetwork
GO:0043367	CD4-positive, alpha-beta T cell differentiation
ENSG00000198625	MDM4 PPI subnetwork
MP:0002938	white spotting
MP:0003817	abnormal pituitary diverticulum morphology
GO:0002758	innate immune response-activating signal transduction
ENSG00000122585	NPY PPI subnetwork
ENSG00000180871	CXCR2 PPI subnetwork
MP:0004763	absent brainstem auditory evoked potential
GO:0045638	negative regulation of myeloid cell differentiation
ENSG00000139352	ASCL1 PPI subnetwork
GO:0006749	glutathione metabolic process
ENSG00000105193	RPS16 PPI subnetwork
GO:0045807	positive regulation of endocytosis
GO:0051385	response to mineralocorticoid stimulus
GO:0090177	establishment of planar polarity involved in neural tube closur
MP:0008215	decreased immature B cell number

MP:0008148	abnormal rib-sternum attachment
ENSG00000164776	PHKG1 PPI subnetwork
ENSG00000129351	ILF3 PPI subnetwork
GO:0009411	response to UV
ENSG00000117758	STX12 PPI subnetwork
GO:0016791	phosphatase activity
GO:0030163	protein catabolic process
ENSG00000137403	HLA-F PPI subnetwork
ENSG00000137834	SMAD6 PPI subnetwork
ENSG00000157483	MYO1E PPI subnetwork
ENSG00000140481	CCDC33 PPI subnetwork
ENSG00000102391	ENSG00000102391 PPI subnetwork
ENSG00000100591	AHSA1 PPI subnetwork
ENSG00000158869	FCER1G PPI subnetwork
REACTOME_NACL:_DEPENDENT_NEUROTR	REACTOME_NACL:_DEPENDENT_NEUROTRANSMITTER_TRAN
MP:0008168	decreased B-1a cell number
GO:0032993	protein-DNA complex
REACTOME_VIRAL_MESSENGER_RNA_SYNT	REACTOME_VIRAL_MESSENGER_RNA_SYNTHESIS
GO:0046496	nicotinamide nucleotide metabolic process
GO:0001825	blastocyst formation
GO:0007292	female gamete generation
GO:0070306	lens fiber cell differentiation
ENSG00000090020	SLC9A1 PPI subnetwork
GO:0005247	voltage-gated chloride channel activity
ENSG00000107554	DNMBP PPI subnetwork
ENSG00000115325	DOK1 PPI subnetwork
GO:0009620	response to fungus
GO:0030673	axolemma
GO:0042267	natural killer cell mediated cytotoxicity
GO:0002228	natural killer cell mediated immunity
ENSG00000188170	ENSG00000188170 PPI subnetwork
ENSG00000134899	ERCC5 PPI subnetwork
ENSG00000008838	MED24 PPI subnetwork
ENSG00000119421	NDUFA8 PPI subnetwork
ENSG00000105880	DLX5 PPI subnetwork
ENSG00000175203	DCTN2 PPI subnetwork
ENSG00000171867	PRNP PPI subnetwork
GO:0016338	calcium-independent cell-cell adhesion
MP:0008221	abnormal hippocampal commissure morphology
GO:0051607	defense response to virus
REACTOME_GTP_HYDROLYSIS_AND_JOINI	REACTOME_GTP_HYDROLYSIS_AND_JOINING_OF_THE_60S_R
MP:0001806	decreased IgM level
MP:0005172	reduced eye pigmentation
ENSG00000136273	HUS1 PPI subnetwork
ENSG00000165659	DACH1 PPI subnetwork
ENSG00000072062	PRKACA PPI subnetwork
GO:0030500	regulation of bone mineralization
MP:0003339	decreased pancreatic beta cell number
GO:0051539	4 iron, 4 sulfur cluster binding
GO:0050922	negative regulation of chemotaxis

ENSG00000115947	ORC4 PPI subnetwork
GO:0015172	acidic amino acid transmembrane transporter activity
MP:0001800	abnormal humoral immune response
GO:0007178	transmembrane receptor protein serine/threonine kinase sign
GO:0001837	epithelial to mesenchymal transition
MP:0010019	liver vascular congestion
GO:0072331	signal transduction by p53 class mediator
ENSG00000069248	NUP133 PPI subnetwork
ENSG00000078043	PIAS2 PPI subnetwork
ENSG00000025293	PHF20 PPI subnetwork
GO:0032673	regulation of interleukin-4 production
ENSG00000138293	NCOA4 PPI subnetwork
GO:0007189	adenylate cyclase-activating G-protein coupled receptor signal
GO:0010579	positive regulation of adenylate cyclase activity involved in G-p
GO:0010578	regulation of adenylate cyclase activity involved in G-protein c
ENSG00000118705	RPN2 PPI subnetwork
ENSG00000171747	LGALS4 PPI subnetwork
MP:0002059	abnormal seminal vesicle morphology
GO:0007264	small GTPase mediated signal transduction
ENSG00000175592	FOSL1 PPI subnetwork
ENSG00000134853	PDGFRA PPI subnetwork
GO:0045687	positive regulation of glial cell differentiation
ENSG00000206281	TAPBP PPI subnetwork
ENSG00000112493	TAPBP PPI subnetwork
ENSG00000206208	TAPBP PPI subnetwork
ENSG00000118515	SGK1 PPI subnetwork
ENSG00000147601	TERF1 PPI subnetwork
GO:0002761	regulation of myeloid leukocyte differentiation
GO:0010517	regulation of phospholipase activity
GO:0010463	mesenchymal cell proliferation
GO:0051146	striated muscle cell differentiation
ENSG00000152583	SPARCL1 PPI subnetwork
GO:0031072	heat shock protein binding
ENSG00000136717	BIN1 PPI subnetwork
GO:0002218	activation of innate immune response
MP:0003896	prolonged PR interval
GO:0044441	cilium part
ENSG00000087586	AURKA PPI subnetwork
ENSG00000177951	BET1L PPI subnetwork
REACTOME_SIGNALING_BY_PDGF	REACTOME_SIGNALING_BY_PDGF
MP:0005105	abnormal middle ear ossicle morphology
ENSG00000083312	TNPO1 PPI subnetwork
GO:0007618	mating
ENSG00000001497	LAS1L PPI subnetwork
ENSG00000176534	ENSG00000176534 PPI subnetwork
ENSG00000198637	ENSG00000198637 PPI subnetwork
ENSG00000196681	ENSG00000196681 PPI subnetwork
GO:0006406	mRNA export from nucleus
REACTOME_FORMATION_OF_HIV:1_ELONG	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX
REACTOME_FORMATION_OF_RNA_POL_II_	REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_CO

REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_ELONGAT
MP:0010103	small thoracic cage
MP:0005503	abnormal tendon morphology
ENSG00000155974	GRIP1 PPI subnetwork
ENSG00000152137	HSPB8 PPI subnetwork
ENSG00000136574	GATA4 PPI subnetwork
REACTOME_INFLUENZA_VIRAL_RNA_TRAN	REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_R
GO:0048305	immunoglobulin secretion
ENSG00000170017	ALCAM PPI subnetwork
GO:0008081	phosphoric diester hydrolase activity
GO:0018958	phenol-containing compound metabolic process
ENSG00000198056	PRIM1 PPI subnetwork
ENSG00000166407	LMO1 PPI subnetwork
ENSG00000175216	CKAP5 PPI subnetwork
ENSG00000087903	RFX2 PPI subnetwork
GO:0031594	neuromuscular junction
ENSG00000147099	HDAC8 PPI subnetwork
ENSG00000116957	TBCE PPI subnetwork
ENSG00000143614	GATAD2B PPI subnetwork
REACTOME_BETA_DEFENSINS	REACTOME_BETA_DEFENSINS
GO:0055007	cardiac muscle cell differentiation
ENSG00000197905	TEAD4 PPI subnetwork
GO:0007254	JNK cascade
ENSG00000100599	RIN3 PPI subnetwork
ENSG00000124535	WRNIP1 PPI subnetwork
ENSG00000102606	ARHGEF7 PPI subnetwork
ENSG00000157514	TSC22D3 PPI subnetwork
ENSG00000133818	RRAS2 PPI subnetwork
GO:0014032	neural crest cell development
MP:0000164	abnormal cartilage development
ENSG00000165806	CASP7 PPI subnetwork
MP:0002163	abnormal gland morphology
GO:0009584	detection of visible light
REACTOME_IRON_UPTAKE_AND_TRANSPO	REACTOME_IRON_UPTAKE_AND_TRANSPORT
GO:0046578	regulation of Ras protein signal transduction
MP:0000876	Purkinje cell degeneration
ENSG00000135387	CAPRIN1 PPI subnetwork
GO:0060538	skeletal muscle organ development
ENSG00000120253	NUP43 PPI subnetwork
ENSG00000163132	MSX1 PPI subnetwork
ENSG00000099381	SETD1A PPI subnetwork
ENSG00000178952	TUFM PPI subnetwork
ENSG00000154229	PRKCA PPI subnetwork
REACTOME_LEADING_STRAND_SYNTHESIS	REACTOME_LEADING_STRAND_SYNTHESIS
REACTOME_POLYMERASE_SWITCHING_ON	REACTOME_POLYMERASE_SWITCHING_ON_THE_C:STRAND_(
REACTOME_POLYMERASE_SWITCHING	REACTOME_POLYMERASE_SWITCHING
ENSG00000153233	PTPRR PPI subnetwork
MP:0000043	organ of Corti degeneration
ENSG00000149269	PAK1 PPI subnetwork
ENSG00000150907	FOXO1 PPI subnetwork

GO:0035250	UDP-galactosyltransferase activity
REACTOME_PROLACTIN_RECEPTOR_SIGNA	REACTOME_PROLACTIN_RECEPTOR_SIGNALING
GO:0071347	cellular response to interleukin-1
ENSG00000135365	PHF21A PPI subnetwork
ENSG00000197448	GSTK1 PPI subnetwork
REACTOME_FORMATION_OF_HIV:1_ELONG	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX
REACTOME_TAT:MEDIATED_ELONGATION_	REACTOME_TAT:MEDIATED_ELONGATION_OF_THE_HIV:1_TR
REACTOME_HIV:1_TRANSCRIPTION_ELONG	REACTOME_HIV:1_TRANSCRIPTION_ELONGATION
REACTOME_PRESYNAPTIC_FUNCTION_OF_	REACTOME_PRESYNAPTIC_FUNCTION_OF_KAINATE_RECEPTO
GO:0042733	embryonic digit morphogenesis
ENSG00000160584	SIK3 PPI subnetwork
ENSG00000185658	BRWD1 PPI subnetwork
GO:0033044	regulation of chromosome organization
ENSG00000126351	THRA PPI subnetwork
ENSG00000151617	EDNRA PPI subnetwork
GO:0007088	regulation of mitosis
GO:0051783	regulation of nuclear division
ENSG00000067829	IDH3G PPI subnetwork
ENSG00000112118	MCM3 PPI subnetwork
MP:0002465	abnormal eosinophil physiology
GO:0008276	protein methyltransferase activity
ENSG00000004897	CDC27 PPI subnetwork
ENSG00000174227	PIGG PPI subnetwork
ENSG00000148773	MKI67 PPI subnetwork
MP:0000106	abnormal basisphenoid bone morphology
ENSG00000129465	RIPK3 PPI subnetwork
ENSG00000139719	VPS33A PPI subnetwork
MP:0002176	increased brain weight
ENSG00000106546	AHR PPI subnetwork
ENSG00000043355	ZIC2 PPI subnetwork
GO:0048365	Rac GTPase binding
GO:0070603	SWI/SNF-type complex
ENSG00000132589	FLOT2 PPI subnetwork
ENSG00000206229	ENSG00000206229 PPI subnetwork
ENSG00000206293	ENSG00000206293 PPI subnetwork
ENSG00000204257	HLA-DMA PPI subnetwork
REACTOME_G_ALPHA_1213_SIGNALLING_E	REACTOME_G_ALPHA_1213_SIGNALLING_EVENTS
KEGG_B_CELL_RECEPTOR_SIGNALING_PATI	KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY
GO:0035085	cilium axoneme
MP:0002777	absent ovarian follicles
ENSG00000135336	ORC3 PPI subnetwork
ENSG00000179071	CCDC89 PPI subnetwork
ENSG00000136573	BLK PPI subnetwork
REACTOME_SEMA4D_INDUCED_CELL_MIGI	REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GRC
REACTOME_ABORTIVE_ELONGATION_OF_H	REACTOME_ABORTIVE_ELONGATION_OF_HIV:1_TRANSCRIPT
ENSG00000079805	DNM2 PPI subnetwork
GO:0003779	actin binding
MP:0003953	abnormal hormone level
KEGG_PYRIMIDINE_METABOLISM	KEGG_PYRIMIDINE_METABOLISM
MP:0008151	increased diameter of long bones

GO:0033540	fatty acid beta-oxidation using acyl-CoA oxidase
GO:0006977	DNA damage response, signal transduction by p53 class media
GO:0072401	signal transduction involved in DNA integrity checkpoint
GO:0072422	signal transduction involved in DNA damage checkpoint
GO:0072413	signal transduction involved in mitotic cell cycle checkpoint
GO:0072431	signal transduction involved in mitotic cell cycle G1/S transitio
GO:0072474	signal transduction involved in mitotic cell cycle G1/S checkpo
GO:0006405	RNA export from nucleus
GO:0000216	M/G1 transition of mitotic cell cycle
GO:0014033	neural crest cell differentiation
GO:0072077	renal vesicle morphogenesis
GO:0051058	negative regulation of small GTPase mediated signal transduct
GO:0005212	structural constituent of eye lens
MP:0008111	abnormal granulocyte differentiation
MP:0008214	increased immature B cell number
MP:0002786	abnormal Leydig cell morphology
REACTOME_FRS2:MEDIATED_CASCADE	REACTOME_FRS2:MEDIATED_CASCADE
ENSG00000163162	RNF149 PPI subnetwork
MP:0001306	small lens
MP:0000131	abnormal long bone epiphysis morphology
GO:0006091	generation of precursor metabolites and energy
MP:0003675	kidney cysts
REACTOME_EUKARYOTIC_TRANSLATION_TI	REACTOME_EUKARYOTIC_TRANSLATION_TERMINATION
GO:0072531	pyrimidine-containing compound transmembrane transport
ENSG00000151461	UPF2 PPI subnetwork
MP:0003209	abnormal pulmonary elastic fiber morphology
KEGG_PATHOGENIC_ESCHERICHIA_COLI_IN	KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION
GO:0016458	gene silencing
ENSG00000134769	DTNA PPI subnetwork
GO:0008080	N-acetyltransferase activity
ENSG00000187555	USP7 PPI subnetwork
ENSG00000203813	HIST1H3H PPI subnetwork
ENSG00000100302	RASD2 PPI subnetwork
ENSG00000205659	LIN52 PPI subnetwork
GO:0008556	potassium-transporting ATPase activity
GO:0010576	metalloenzyme regulator activity
ENSG00000198900	TOP1 PPI subnetwork
ENSG00000080839	RBL1 PPI subnetwork
MP:0000091	short premaxilla
ENSG00000151498	ACAD8 PPI subnetwork
GO:0042578	phosphoric ester hydrolase activity
ENSG00000179344	HLA-DQB1 PPI subnetwork
MP:0004965	inner cell mass degeneration
REACTOME_SIGNAL_AMPLIFICATION	REACTOME_SIGNAL_AMPLIFICATION
ENSG00000160293	VAV2 PPI subnetwork
GO:0090009	primitive streak formation
REACTOME_G_ALPHA_Q_SIGNALLING_EVE	REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS
ENSG00000006638	TBXA2R PPI subnetwork
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	KEGG_AMINOACYL_TRNA_BIOSYNTHESIS
GO:0048806	genitalia development

ENSG00000010256	UQCRC1 PPI subnetwork
KEGG_ENDOMETRIAL_CANCER	KEGG_ENDOMETRIAL_CANCER
GO:0035148	tube formation
GO:0033003	regulation of mast cell activation
ENSG00000185811	IKZF1 PPI subnetwork
ENSG00000177565	TBL1XR1 PPI subnetwork
MP:0009760	abnormal mitotic spindle morphology
ENSG00000198700	IPO9 PPI subnetwork
ENSG00000103266	STUB1 PPI subnetwork
ENSG00000077782	FGFR1 PPI subnetwork
ENSG00000115361	ACADL PPI subnetwork
MP:0004736	abnormal distortion product otoacoustic emission
GO:0019438	aromatic compound biosynthetic process
GO:0003007	heart morphogenesis
ENSG00000070814	TCOF1 PPI subnetwork
MP:0011290	decreased nephron number
GO:0072079	nephron tubule formation
REACTOME_TETRAHYDROBIOPTERIN_BH4_	REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYC
ENSG00000115207	GTF3C2 PPI subnetwork
GO:0000783	nuclear telomere cap complex
GO:0000782	telomere cap complex
GO:0051020	GTPase binding
ENSG00000108100	CCNY PPI subnetwork
GO:0008138	protein tyrosine/serine/threonine phosphatase activity
ENSG00000152270	PDE3B PPI subnetwork
ENSG00000173020	ADRBK1 PPI subnetwork
ENSG00000155980	KIF5A PPI subnetwork
ENSG00000149554	CHEK1 PPI subnetwork
REACTOME_G0_AND_EARLY_G1	REACTOME_G0_AND_EARLY_G1
ENSG00000107581	EIF3A PPI subnetwork
MP:0004448	abnormal presphenoid bone morphology
GO:0061311	cell surface receptor signaling pathway involved in heart devel
GO:0046879	hormone secretion
ENSG00000169282	KCNAB1 PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PLC_BE
GO:0006607	NLS-bearing substrate import into nucleus
GO:0072175	epithelial tube formation
GO:0000793	condensed chromosome
REACTOME_GLOBAL_GENOMIC_NER_GG:N	REACTOME_GLOBAL_GENOMIC_NER_GG:NER
GO:0045682	regulation of epidermis development
MP:0001436	abnormal suckling behavior
ENSG00000113522	RAD50 PPI subnetwork
ENSG00000180817	PPA1 PPI subnetwork
GO:0015833	peptide transport
ENSG00000131747	TOP2A PPI subnetwork
GO:0007179	transforming growth factor beta receptor signaling pathway
ENSG00000075188	NUP37 PPI subnetwork
ENSG00000137054	POLR1E PPI subnetwork
ENSG00000164919	COX6C PPI subnetwork
REACTOME_CD28_CO:STIMULATION	REACTOME_CD28_CO:STIMULATION

GO:0007610	behavior
ENSG00000101158	TH1L PPI subnetwork
MP:0000520	absent kidney
ENSG00000163466	ARPC2 PPI subnetwork
GO:0050755	chemokine metabolic process
GO:0004712	protein serine/threonine/tyrosine kinase activity
ENSG00000168214	RBPJ PPI subnetwork
MP:0001096	abnormal glossopharyngeal ganglion morphology
GO:0042659	regulation of cell fate specification
GO:0021537	telencephalon development
GO:0042641	actomyosin
ENSG00000122705	CLTA PPI subnetwork
GO:0060992	response to fungicide
ENSG00000151923	TIAL1 PPI subnetwork
ENSG00000198380	GFPT1 PPI subnetwork
ENSG00000030066	NUP160 PPI subnetwork
ENSG00000164494	PDSS2 PPI subnetwork
GO:0060389	pathway-restricted SMAD protein phosphorylation
GO:0016604	nuclear body
ENSG00000005175	RPAP3 PPI subnetwork
ENSG00000140986	RPL3L PPI subnetwork
ENSG00000172534	HCFC1 PPI subnetwork
ENSG00000156931	VPS8 PPI subnetwork
KEGG_ANTIGEN_PROCESSING_AND_PRESEI	KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION
GO:0048015	phosphatidylinositol-mediated signaling
GO:0048017	inositol lipid-mediated signaling
GO:0030510	regulation of BMP signaling pathway
ENSG00000134480	CCNH PPI subnetwork
ENSG00000152942	RAD17 PPI subnetwork
ENSG00000147689	FAM83A PPI subnetwork
ENSG00000108587	GOSR1 PPI subnetwork
GO:0032291	axon ensheathment in central nervous system
GO:0022010	central nervous system myelination
ENSG00000093217	XYLB PPI subnetwork
ENSG00000145736	GTF2H2 PPI subnetwork
GO:0031571	mitotic cell cycle G1/S transition DNA damage checkpoint
ENSG00000197879	MYO1C PPI subnetwork
ENSG00000013583	HEBP1 PPI subnetwork
KEGG_REGULATION_OF_ACTIN_CYTOSKELE	KEGG_REGULATION_OF_ACTIN_CYTOSKELETON
ENSG00000198018	ENTPD7 PPI subnetwork
REACTOME_RNA_POLYMERASE_I_TRANSCI	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_TERMINA
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_TERMIN/
GO:0014048	regulation of glutamate secretion
MP:0003892	abnormal gastric gland morphology
ENSG00000198851	CD3E PPI subnetwork
GO:0072073	kidney epithelium development
MP:0000379	decreased hair follicle number
GO:0072170	metanephric tubule development
ENSG00000105401	CDC37 PPI subnetwork
ENSG00000172116	CD8B PPI subnetwork

ENSG00000071655	MBD3 PPI subnetwork
ENSG00000176108	CHMP6 PPI subnetwork
ENSG00000136160	EDNRB PPI subnetwork
GO:0001912	positive regulation of leukocyte mediated cytotoxicity
ENSG00000143079	CTTNBP2NL PPI subnetwork
ENSG00000155508	CNOT8 PPI subnetwork
MP:0003427	parakeratosis
ENSG00000105953	OGDH PPI subnetwork
REACTOME_STRIATED_MUSCLE_CONTRACT	REACTOME_STRIATED_MUSCLE_CONTRACTION
GO:0017119	Golgi transport complex
ENSG00000132906	CASP9 PPI subnetwork
ENSG00000197969	VPS13A PPI subnetwork
ENSG00000025770	NCAPH2 PPI subnetwork
REACTOME_HIGHLY_CALCIUM_PERMEABLE	REACTOME_HIGHLY_CALCIUM_PERMEABLE_POSTSYNAPTIC_I
MP:0002237	abnormal nasal cavity morphology
GO:0019932	second-messenger-mediated signaling
ENSG00000114573	ATP6V1A PPI subnetwork
GO:0060606	tube closure
REACTOME_GPVI:MEDIATED_ACTIVATION_	REACTOME_GPVI:MEDIATED_ACTIVATION_CASCADE
ENSG00000136383	ALPK3 PPI subnetwork
ENSG00000181817	LSM10 PPI subnetwork
GO:0072372	primary cilium
REACTOME_PKA:MEDIATED_PHOSPHORYL	REACTOME_PKA:MEDIATED_PHOSPHORYLATION_OF_CREB
REACTOME_INTERLEUKIN_RECEPTOR_SHC_	REACTOME_INTERLEUKIN_RECEPTOR_SHC_SIGNALING
REACTOME_CD28_DEPENDENT_VAV1_PAT	REACTOME_CD28_DEPENDENT_VAV1_PATHWAY
REACTOME_ADP_SIGNALLING_THROUGH_I	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTC
MP:0002841	impaired skeletal muscle contractility
ENSG00000182979	MTA1 PPI subnetwork
GO:0019229	regulation of vasoconstriction
GO:0046969	NAD-dependent histone deacetylase activity (H3-K9 specific)
GO:0032129	histone deacetylase activity (H3-K9 specific)
GO:0010453	regulation of cell fate commitment
MP:0001155	arrest of spermatogenesis
GO:0048551	metalloenzyme inhibitor activity
GO:0008191	metalloendopeptidase inhibitor activity
ENSG00000071127	WDR1 PPI subnetwork
GO:0050730	regulation of peptidyl-tyrosine phosphorylation
ENSG00000163346	PBXIP1 PPI subnetwork
GO:0045351	type I interferon biosynthetic process
ENSG00000162236	STX5 PPI subnetwork
GO:0015296	anion:cation symporter activity
ENSG00000106554	CHCHD3 PPI subnetwork
GO:0030816	positive regulation of cAMP metabolic process
GO:0030819	positive regulation of cAMP biosynthetic process
GO:0007219	Notch signaling pathway
GO:2000602	regulation of interphase of mitotic cell cycle
GO:0003690	double-stranded DNA binding
ENSG00000164086	DUSP7 PPI subnetwork
MP:0003644	thymus atrophy
ENSG00000136842	TMOD1 PPI subnetwork

GO:0030374	ligand-dependent nuclear receptor transcription coactivator a
ENSG00000111653	ING4 PPI subnetwork
MP:0008037	abnormal T cell morphology
ENSG00000176248	ANAPC2 PPI subnetwork
GO:0046632	alpha-beta T cell differentiation
GO:0018130	heterocycle biosynthetic process
GO:0042826	histone deacetylase binding
GO:0042162	telomeric DNA binding
ENSG00000070831	CDC42 PPI subnetwork
ENSG00000122218	COPA PPI subnetwork
ENSG00000171346	KRT15 PPI subnetwork
GO:0048738	cardiac muscle tissue development
GO:0042327	positive regulation of phosphorylation
ENSG00000157193	LRP8 PPI subnetwork
ENSG00000162704	ARPC5 PPI subnetwork
GO:0023061	signal release
GO:0003001	generation of a signal involved in cell-cell signaling
ENSG00000173636	ENSG00000173636 PPI subnetwork
GO:0007600	sensory perception
GO:0045582	positive regulation of T cell differentiation
ENSG00000182195	LDOC1 PPI subnetwork
REACTOME_CAP:DEPENDENT_TRANSLATIO	REACTOME_CAP:DEPENDENT_TRANSLATION_INITIATION
REACTOME_EUKARYOTIC_TRANSLATION_IN	REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
ENSG00000150867	PIP4K2A PPI subnetwork
ENSG00000115221	ITGB6 PPI subnetwork
GO:0009948	anterior/posterior axis specification
REACTOME_TRNA_AMINOACYLATION	REACTOME_TRNA_AMINOACYLATION
GO:0009113	purine base biosynthetic process
MP:0002543	brachyphalangia
REACTOME_SRP:DEPENDENT_COTRANSLAT	REACTOME_SRP:DEPENDENT_COTRANSLATIONAL_PROTEIN_T
ENSG00000005194	CIAPIN1 PPI subnetwork
MP:0000034	abnormal vestibule morphology
ENSG00000107807	TLX1 PPI subnetwork
GO:0055002	striated muscle cell development
ENSG00000110931	CAMKK2 PPI subnetwork
ENSG00000154917	RAB6B PPI subnetwork
MP:0004139	abnormal gastric parietal cell morphology
ENSG00000113300	CNOT6 PPI subnetwork
ENSG00000215476	ENSG00000215476 PPI subnetwork
ENSG00000213780	GTF2H4 PPI subnetwork
ENSG00000206476	ENSG00000206476 PPI subnetwork
ENSG00000111652	COPS7A PPI subnetwork
ENSG00000160801	PTH1R PPI subnetwork
GO:0033043	regulation of organelle organization
GO:0003209	cardiac atrium morphogenesis
GO:0005743	mitochondrial inner membrane
ENSG00000109472	CPE PPI subnetwork
GO:0030183	B cell differentiation
ENSG00000178409	BEND3 PPI subnetwork
GO:0002230	positive regulation of defense response to virus by host

MP:0006254	thin cerebral cortex
ENSG00000077380	DYNC1I2 PPI subnetwork
ENSG00000129824	RPS4Y1 PPI subnetwork
MP:0000153	rib bifurcation
ENSG00000042980	ADAM28 PPI subnetwork
GO:0014812	muscle cell migration
GO:0007220	Notch receptor processing
REACTOME_PROSTACYCLIN_SIGNALLING_T	REACTOME_PROSTACYCLIN_SIGNALLING_THROUGH_PROSTA
ENSG00000109917	ZNF259 PPI subnetwork
ENSG00000078699	CBFA2T2 PPI subnetwork
GO:0030529	ribonucleoprotein complex
ENSG00000130640	TUBGCP2 PPI subnetwork
GO:0006635	fatty acid beta-oxidation
ENSG00000175390	EIF3F PPI subnetwork
ENSG00000105357	MYH14 PPI subnetwork
ENSG00000162889	MAPKAPK2 PPI subnetwork
ENSG00000115844	DLX2 PPI subnetwork
MP:0003730	abnormal photoreceptor inner segment morphology
GO:0006084	acetyl-CoA metabolic process
GO:0016441	posttranscriptional gene silencing
GO:0035194	posttranscriptional gene silencing by RNA
GO:0048705	skeletal system morphogenesis
MP:0001092	abnormal trigeminal ganglion morphology
GO:0090311	regulation of protein deacetylation
GO:0006879	cellular iron ion homeostasis
REACTOME_GLUCAGON_SIGNALING_IN_M	REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULA
MP:0000102	abnormal nasal bone morphology
GO:0006643	membrane lipid metabolic process
MP:0002797	increased thigmotaxis
GO:0048745	smooth muscle tissue development
GO:0020027	hemoglobin metabolic process
GO:0002437	inflammatory response to antigenic stimulus
GO:0022626	cytosolic ribosome
GO:0030117	membrane coat
GO:0048475	coated membrane
ENSG00000177606	JUN PPI subnetwork
GO:0005758	mitochondrial intermembrane space
GO:0006024	glycosaminoglycan biosynthetic process
ENSG00000105216	ENSG00000105216 PPI subnetwork
GO:0042147	retrograde transport, endosome to Golgi
REACTOME_REMOVAL_OF_THE_FLAP_INTE	REACTOME_REMOVAL_OF_THE_FLAP_INTERMEDIATE
GO:0014020	primary neural tube formation
GO:0045620	negative regulation of lymphocyte differentiation
REACTOME_GOLGI_TO_ER_RETROGRADE_	REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT
REACTOME_COPI_MEDIATED_TRANSPORT	REACTOME_COPI_MEDIATED_TRANSPORT
GO:0072404	signal transduction involved in G1/S transition checkpoint
GO:0072395	signal transduction involved in cell cycle checkpoint
ENSG00000198626	RYR2 PPI subnetwork
MP:0004066	abnormal primitive node morphology
ENSG00000120438	TCP1 PPI subnetwork

MP:0001429	dehydration
ENSG00000125952	MAX PPI subnetwork
ENSG00000140319	SRP14 PPI subnetwork
ENSG00000142856	ITGB3BP PPI subnetwork
ENSG00000120251	GRIA2 PPI subnetwork
ENSG00000177728	KIAA0195 PPI subnetwork
ENSG00000138190	EXOC6 PPI subnetwork
GO:0015980	energy derivation by oxidation of organic compounds
REACTOME_NUCLEAR_SIGNALING_BY_ERB	REACTOME_NUCLEAR_SIGNALING_BY_ERBB4
MP:0004924	abnormal behavior
ENSG00000141252	VPS53 PPI subnetwork
REACTOME_VIRAL_MRNA_TRANSLATION	REACTOME_VIRAL_MRNA_TRANSLATION
ENSG00000178562	CD28 PPI subnetwork
ENSG00000131504	DIAPH1 PPI subnetwork
ENSG00000130779	CLIP1 PPI subnetwork
ENSG00000111481	COPZ1 PPI subnetwork
GO:0002675	positive regulation of acute inflammatory response
ENSG00000103994	ZFP106 PPI subnetwork
ENSG00000163904	SENP2 PPI subnetwork
ENSG00000067606	PRKCZ PPI subnetwork
GO:0019005	SCF ubiquitin ligase complex
GO:0007043	cell-cell junction assembly
ENSG00000125977	EIF2S2 PPI subnetwork
ENSG00000102871	TRADD PPI subnetwork
KEGG_INOSITOL_PHOSPHATE_METABOLISM	KEGG_INOSITOL_PHOSPHATE_METABOLISM
GO:0021799	cerebral cortex radially oriented cell migration
REACTOME_ADP_SIGNALLING_THROUGH_P	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTO
GO:0022408	negative regulation of cell-cell adhesion
GO:0048333	mesodermal cell differentiation
GO:0030799	regulation of cyclic nucleotide metabolic process
ENSG00000166866	MYO1A PPI subnetwork
ENSG00000106305	AIMP2 PPI subnetwork
GO:0035586	purinergic receptor activity
GO:0021904	dorsal/ventral neural tube patterning
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_ACET
MP:0002423	abnormal mast cell physiology
ENSG00000108590	MED31 PPI subnetwork
GO:0005865	striated muscle thin filament
GO:0046519	sphingoid metabolic process
ENSG00000136982	DSCC1 PPI subnetwork
GO:0002224	toll-like receptor signaling pathway
ENSG00000132692	BCAN PPI subnetwork
ENSG00000197321	SVIL PPI subnetwork
GO:0046520	sphingoid biosynthetic process
REACTOME_INHIBITION_OF_INSULIN_SECR	REACTOME_INHIBITION_OF_INSULIN_SECRETION_BY_ADRENA
ENSG00000164171	ITGA2 PPI subnetwork
GO:0009636	response to toxin
ENSG00000134287	ARF3 PPI subnetwork
ENSG00000213639	PPP1CB PPI subnetwork
ENSG00000067182	TNFRSF1A PPI subnetwork

GO:0043331	response to dsRNA
ENSG00000069956	MAPK6 PPI subnetwork
ENSG00000020426	MNAT1 PPI subnetwork
ENSG00000107625	DDX50 PPI subnetwork
MP:0001415	increased exploration in new environment
ENSG00000100401	RANGAP1 PPI subnetwork
GO:0030947	regulation of vascular endothelial growth factor receptor signa
MP:0008075	decreased CD4-positive T cell number
ENSG00000136931	NR5A1 PPI subnetwork
ENSG00000184117	NIPSNAP1 PPI subnetwork
GO:0043204	perikaryon
MP:0006395	abnormal epiphyseal plate morphology
GO:0021761	limbic system development
GO:0005930	axoneme
GO:0072087	renal vesicle development
MP:0005192	increased motor neuron number
ENSG00000112685	EXOC2 PPI subnetwork
ENSG00000078304	PPP2R5C PPI subnetwork
REACTOME_3_:UTR:MEDIATED_TRANSLATI	REACTOME_3_:UTR:MEDIATED_TRANSLATIONAL_REGULATIO
REACTOME_L13A:MEDIATED_TRANSLATIOI	REACTOME_L13A:MEDIATED_TRANSLATIONAL_SILENCING_OI
MP:0001501	abnormal sleep pattern
GO:0005680	anaphase-promoting complex
ENSG00000125968	ID1 PPI subnetwork
GO:0051129	negative regulation of cellular component organization
REACTOME_SIGNALLING_TO_RAS	REACTOME_SIGNALLING_TO_RAS
KEGG_ALDOSTERONE_REGULATED_SODIUI	KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION
GO:0016032	viral reproduction
GO:0030802	regulation of cyclic nucleotide biosynthetic process
GO:0030808	regulation of nucleotide biosynthetic process
MP:0004599	abnormal vertebral arch morphology
GO:0001934	positive regulation of protein phosphorylation
MP:0000755	hindlimb paralysis
GO:0005112	Notch binding
GO:0048048	embryonic eye morphogenesis
ENSG00000126767	ELK1 PPI subnetwork
REACTOME_SIGNALLING_TO_ERKS	REACTOME_SIGNALLING_TO_ERKS
MP:0000565	oligodactyly
GO:0042158	lipoprotein biosynthetic process
MP:0005671	abnormal response to transplant
MP:0002689	abnormal molar morphology
MP:0002656	abnormal keratinocyte differentiation
MP:0001008	abnormal sympathetic ganglion morphology
ENSG00000111358	GTF2H3 PPI subnetwork
GO:0048844	artery morphogenesis
GO:0006270	DNA-dependent DNA replication initiation
ENSG00000099956	SMARCB1 PPI subnetwork
GO:0017015	regulation of transforming growth factor beta receptor signali
GO:0000722	telomere maintenance via recombination
MP:0002801	abnormal long term object recognition memory
MP:0003050	abnormal sacral vertebrae morphology

MP:0008898	abnormal acrosome morphology
ENSG00000134086	VHL PPI subnetwork
MP:0000761	thin diaphragm muscle
REACTOME_SIGNALLING_TO_P38_VIA_RIT_	REACTOME_SIGNALLING_TO_P38_VIA_RIT_AND_RIN
GO:0048483	autonomic nervous system development
REACTOME_SIGNALING_BY_FGFR	REACTOME_SIGNALING_BY_FGFR
REACTOME_NUCLEOTIDE_EXCISION_REPAI	REACTOME_NUCLEOTIDE_EXCISION_REPAIR
ENSG00000104738	MCM4 PPI subnetwork
GO:0004222	metalloendopeptidase activity
GO:0003899	DNA-directed RNA polymerase activity
GO:0034062	RNA polymerase activity
GO:0035116	embryonic hindlimb morphogenesis
REACTOME_APCCCDC20_MEDIATED_DEGR	REACTOME_APCCCDC20_MEDIATED_DEGRADATION_OF_CYC
GO:0048747	muscle fiber development
ENSG00000173402	DAG1 PPI subnetwork
GO:0002456	T cell mediated immunity
MP:0003105	abnormal heart atrium morphology
GO:0004693	cyclin-dependent protein kinase activity
GO:0031670	cellular response to nutrient
ENSG00000129625	REEP5 PPI subnetwork
ENSG00000155363	MOV10 PPI subnetwork
ENSG00000130956	HABP4 PPI subnetwork
ENSG00000147604	RPL7 PPI subnetwork
ENSG00000124575	HIST1H1D PPI subnetwork
GO:0009581	detection of external stimulus
GO:0008629	induction of apoptosis by intracellular signals
ENSG00000156136	DCK PPI subnetwork
ENSG00000108854	SMURF2 PPI subnetwork
GO:0004683	calmodulin-dependent protein kinase activity
GO:0042056	chemoattractant activity
GO:0010721	negative regulation of cell development
MP:0002023	B cell derived lymphoma
ENSG00000117020	AKT3 PPI subnetwork
GO:0043409	negative regulation of MAPK cascade
GO:0042401	cellular biogenic amine biosynthetic process
ENSG00000131558	EXOC4 PPI subnetwork
ENSG00000064393	HIPK2 PPI subnetwork
ENSG00000189369	GSPT2 PPI subnetwork
ENSG00000006634	DBF4 PPI subnetwork
GO:0010518	positive regulation of phospholipase activity
ENSG00000170860	LSM3 PPI subnetwork
GO:0005657	replication fork
GO:0019866	organelle inner membrane
GO:0003009	skeletal muscle contraction
MP:0004098	abnormal cerebellar granule cell morphology
GO:0042044	fluid transport
ENSG00000115942	ORC2 PPI subnetwork
REACTOME_THROMBOXANE_SIGNALLING_	REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_REC
GO:0048634	regulation of muscle organ development
ENSG00000168067	MAP4K2 PPI subnetwork

MP:0000137	abnormal vertebrae morphology
GO:0042269	regulation of natural killer cell mediated cytotoxicity
GO:0002715	regulation of natural killer cell mediated immunity
ENSG00000180209	MYLPF PPI subnetwork
GO:0060173	limb development
GO:0048736	appendage development
ENSG00000213380	COG8 PPI subnetwork
ENSG00000143153	ATP1B1 PPI subnetwork
ENSG00000189060	H1F0 PPI subnetwork
GO:0006171	cAMP biosynthetic process
REACTOME_SIGNALING_BY_RHO_GTPASES	REACTOME_SIGNALING_BY_RHO_GTPASES
REACTOME_RHO_GTPASE_CYCLE	REACTOME_RHO_GTPASE_CYCLE
ENSG00000008952	SEC62 PPI subnetwork
ENSG00000143093	FAM40A PPI subnetwork
ENSG00000124813	RUNX2 PPI subnetwork
MP:0002576	abnormal enamel morphology
ENSG00000099882	ENSG00000099882 PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
REACTOME_CD28_DEPENDENT_PI3KAKT_S	REACTOME_CD28_DEPENDENT_PI3KAKT_SIGNALING
GO:0034341	response to interferon-gamma
GO:0048038	quinone binding
GO:0005768	endosome
ENSG00000147439	BIN3 PPI subnetwork
REACTOME_NOTCH:HLH_TRANSCRIPTION_	REACTOME_NOTCH:HLH_TRANSCRIPTION_PATHWAY
REACTOME_NICD_TRAFFICS_TO_NUCLEUS	REACTOME_NICD_TRAFFICS_TO_NUCLEUS
ENSG00000082805	ERC1 PPI subnetwork
ENSG00000145349	CAMK2D PPI subnetwork
MP:0004462	small basisphenoid bone
GO:0042461	photoreceptor cell development
GO:0008023	transcription elongation factor complex
ENSG00000166592	RRAD PPI subnetwork
MP:0005018	decreased T cell number
GO:0031519	PcG protein complex
GO:0007519	skeletal muscle tissue development
MP:0001147	small testis
REACTOME_PI3K_EVENTS_IN_ERBB4_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB4_SIGNALING
GO:2000514	regulation of CD4-positive, alpha-beta T cell activation
MP:0002857	cochlear ganglion degeneration
REACTOME_FORMATION_OF_A_POOL_OF_	REACTOME_FORMATION_OF_A_POOL_OF_FREE_40S_SUBUN
ENSG00000206306	HLA-DRB1 PPI subnetwork
ENSG00000206240	HLA-DRB1 PPI subnetwork
MP:0003058	increased insulin secretion
MP:0005566	decreased blood urea nitrogen level
GO:0048484	enteric nervous system development
ENSG00000187079	TEAD1 PPI subnetwork
ENSG00000118971	CCND2 PPI subnetwork
MP:0009862	abnormal aorta elastic tissue morphology
ENSG00000165288	BRWD3 PPI subnetwork
GO:0034101	erythrocyte homeostasis
ENSG00000104884	ERCC2 PPI subnetwork

GO:0001783	B cell apoptotic process
GO:0005583	fibrillar collagen
ENSG00000077549	CAPZB PPI subnetwork
GO:0015695	organic cation transport
GO:0015697	quaternary ammonium group transport
GO:0005875	microtubule associated complex
GO:0007603	phototransduction, visible light
ENSG00000206443	ENSG00000206443 PPI subnetwork
ENSG00000206506	HLA-G PPI subnetwork
ENSG00000204632	HLA-G PPI subnetwork
ENSG00000080503	SMARCA2 PPI subnetwork
REACTOME_PI3K_CASCADE	REACTOME_PI3K_CASCADE
GO:0051403	stress-activated MAPK cascade
GO:0071359	cellular response to dsRNA
ENSG00000167110	GOLGA2 PPI subnetwork
MP:0008531	increased chemical nociceptive threshold
GO:0061180	mammary gland epithelium development
MP:0003743	abnormal facial morphology
GO:0031570	DNA integrity checkpoint
GO:0001710	mesodermal cell fate commitment
GO:0050792	regulation of viral reproduction
GO:0035136	forelimb morphogenesis
GO:0006820	anion transport
MP:0000522	kidney cortex cysts
GO:0001838	embryonic epithelial tube formation
ENSG00000188529	SRSF10 PPI subnetwork
ENSG00000197756	RPL37A PPI subnetwork
MP:0004355	short radius
ENSG00000160789	LMNA PPI subnetwork
ENSG00000175482	POLD4 PPI subnetwork
GO:0006665	sphingolipid metabolic process
ENSG00000170624	SGCD PPI subnetwork
ENSG00000117560	FASLG PPI subnetwork
ENSG00000120699	EXOSC8 PPI subnetwork
GO:0070403	NAD+ binding
GO:0090257	regulation of muscle system process
MP:0008079	decreased CD8-positive T cell number
ENSG00000174469	CNTNAP2 PPI subnetwork
ENSG00000204086	RPA4 PPI subnetwork
ENSG00000087250	MT3 PPI subnetwork
ENSG00000097007	ABL1 PPI subnetwork
GO:0035091	phosphatidylinositol binding
ENSG00000185630	PBX1 PPI subnetwork
MP:0002696	decreased circulating glucagon level
GO:0006997	nucleus organization
MP:0008828	abnormal lymph node cell ratio
GO:0016202	regulation of striated muscle tissue development
ENSG00000114978	MOB1A PPI subnetwork
GO:0055024	regulation of cardiac muscle tissue development
MP:0005545	abnormal lens development

GO:0006023	aminoglycan biosynthetic process
GO:0043300	regulation of leukocyte degranulation
ENSG00000108433	GOSR2 PPI subnetwork
ENSG00000130706	ADRM1 PPI subnetwork
ENSG00000188687	SLC4A5 PPI subnetwork
GO:0042611	MHC protein complex
ENSG00000122026	RPL21 PPI subnetwork
MP:0000762	abnormal tongue morphology
GO:0031581	hemidesmosome assembly
ENSG00000107262	BAG1 PPI subnetwork
ENSG00000156711	MAPK13 PPI subnetwork
GO:0090101	negative regulation of transmembrane receptor protein serine
ENSG00000168274	HIST1H2AE PPI subnetwork
ENSG00000137259	HIST1H2AB PPI subnetwork
MP:0004395	increased cochlear inner hair cell number
GO:0030900	forebrain development
GO:0009164	nucleoside catabolic process
ENSG00000204120	GIGYF2 PPI subnetwork
ENSG00000175115	PACS1 PPI subnetwork
GO:0005874	microtubule
GO:0046148	pigment biosynthetic process
GO:0051249	regulation of lymphocyte activation
GO:0030326	embryonic limb morphogenesis
GO:0035113	embryonic appendage morphogenesis
GO:0090102	cochlea development
GO:0051443	positive regulation of ubiquitin-protein ligase activity
ENSG00000113758	DBN1 PPI subnetwork
GO:0072163	mesonephric epithelium development
GO:0072164	mesonephric tubule development
REACTOME_RNA_POL_II_CTD_PHOSPHORY	REACTOME_RNA_POL_II_CTD_PHOSPHORYLATION_AND_INTE
GO:0060395	SMAD protein signal transduction
GO:0003014	renal system process
GO:0001776	leukocyte homeostasis
ENSG00000146963	LUC7L2 PPI subnetwork
GO:0060420	regulation of heart growth
GO:0030217	T cell differentiation
MP:0011228	abnormal vitamin D level
ENSG00000172660	TAF15 PPI subnetwork
ENSG00000185721	DRG1 PPI subnetwork
GO:0006140	regulation of nucleotide metabolic process
ENSG00000183558	HIST2H2AA3 PPI subnetwork
ENSG00000203812	HIST2H2AA4 PPI subnetwork
REACTOME_NCAM_SIGNALING_FOR_NEUR	REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT:GROWTH
GO:0072525	pyridine-containing compound biosynthetic process
GO:0019363	pyridine nucleotide biosynthetic process
GO:0043304	regulation of mast cell degranulation
GO:0001756	somitogenesis
ENSG00000127527	EPS15L1 PPI subnetwork
GO:0014704	intercalated disc
GO:0007494	midgut development

ENSG00000111664	GNB3 PPI subnetwork
REACTOME_G1S:SPECIFIC_TRANSCRIPTION	REACTOME_G1S:SPECIFIC_TRANSCRIPTION
GO:0051444	negative regulation of ubiquitin-protein ligase activity
GO:0051352	negative regulation of ligase activity
ENSG00000213066	FGFR1OP PPI subnetwork
ENSG00000054118	THRAP3 PPI subnetwork
GO:0001669	acrosomal vesicle
MP:0010856	dilated respiratory conducting tubes
ENSG00000101367	MAPRE1 PPI subnetwork
GO:0007187	G-protein coupled receptor signaling pathway, coupled to cycl
ENSG00000114450	GNB4 PPI subnetwork
REACTOME_PI3K_EVENTS_IN_ERBB2_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB2_SIGNALING
GO:0007339	binding of sperm to zona pellucida
ENSG00000115268	RPS15 PPI subnetwork
REACTOME_TRANSCRIPTION:COUPLED_NEI	REACTOME_TRANSCRIPTION:COUPLED_NER_TC:NER
MP:0000715	decreased thymocyte number
GO:0072012	glomerulus vasculature development
GO:0030120	vesicle coat
ENSG00000159023	EPB41 PPI subnetwork
ENSG00000139921	TMX1 PPI subnetwork
ENSG00000088356	PDRG1 PPI subnetwork
ENSG00000163932	PRKCD PPI subnetwork
GO:0014003	oligodendrocyte development
REACTOME_MITOTIC_G2:G2M_PHASES	REACTOME_MITOTIC_G2:G2M_PHASES
GO:0005031	tumor necrosis factor-activated receptor activity
MP:0008347	decreased gamma-delta T cell number
MP:0002795	dilated cardiomyopathy
MP:0003137	abnormal impulse conducting system conduction
GO:0015175	neutral amino acid transmembrane transporter activity
GO:0060428	lung epithelium development
GO:0016558	protein import into peroxisome matrix
MP:0001922	reduced male fertility
ENSG00000174827	PDZK1 PPI subnetwork
MP:0005140	decreased cardiac muscle contractility
GO:0001077	RNA polymerase II core promoter proximal region sequence-s
GO:0043372	positive regulation of CD4-positive, alpha-beta T cell differenti
GO:2000516	positive regulation of CD4-positive, alpha-beta T cell activatior
MP:0000749	muscle degeneration
ENSG00000188846	RPL14 PPI subnetwork
ENSG00000107758	PPP3CB PPI subnetwork
GO:0001909	leukocyte mediated cytotoxicity
MP:0001399	hyperactivity
MP:0004399	abnormal cochlear outer hair cell morphology
ENSG00000100412	ACO2 PPI subnetwork
ENSG00000164611	PTTG1 PPI subnetwork
GO:0008630	DNA damage response, signal transduction resulting in inducti
ENSG00000178363	CALML3 PPI subnetwork
GO:0044319	wound healing, spreading of cells
ENSG00000035928	RFC1 PPI subnetwork
ENSG00000047249	ATP6V1H PPI subnetwork

MP:0004321	short sternum
GO:0032147	activation of protein kinase activity
GO:0051438	regulation of ubiquitin-protein ligase activity
ENSG00000115211	EIF2B4 PPI subnetwork
REACTOME_MITOTIC_SPINDLE_CHECKPOIN	REACTOME_MITOTIC_SPINDLE_CHECKPOINT
GO:0008484	sulfuric ester hydrolase activity
MP:0006072	abnormal retinal apoptosis
GO:0017085	response to insecticide
GO:0032838	cell projection cytoplasm
ENSG00000165702	GFI1B PPI subnetwork
GO:0017153	sodium:dicarboxylate symporter activity
REACTOME_PURINE_METABOLISM	REACTOME_PURINE_METABOLISM
ENSG00000139613	SMARCC2 PPI subnetwork
ENSG00000188459	ENSG00000188459 PPI subnetwork
GO:0035094	response to nicotine
GO:0002577	regulation of antigen processing and presentation
REACTOME_NCAM1_INTERACTIONS	REACTOME_NCAM1_INTERACTIONS
ENSG00000090989	EXOC1 PPI subnetwork
ENSG00000187735	TCEA1 PPI subnetwork
MP:0010067	increased red blood cell distribution width
GO:0035036	sperm-egg recognition
ENSG00000135903	PAX3 PPI subnetwork
GO:0001841	neural tube formation
GO:0071377	cellular response to glucagon stimulus
ENSG00000127588	GNG13 PPI subnetwork
ENSG00000148175	STOM PPI subnetwork
MP:0008725	enlarged heart atrium
GO:0043073	germ cell nucleus
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI(
ENSG00000042429	MED17 PPI subnetwork
MP:0000035	abnormal membranous labyrinth morphology
GO:0031076	embryonic camera-type eye development
GO:0000077	DNA damage checkpoint
ENSG00000138032	PPM1B PPI subnetwork
ENSG00000133059	DSTYK PPI subnetwork
ENSG00000089289	IGBP1 PPI subnetwork
GO:0008194	UDP-glycosyltransferase activity
ENSG00000134717	BTF3L4 PPI subnetwork
ENSG00000143851	PTPN7 PPI subnetwork
GO:0019717	synaptosome
GO:0043631	RNA polyadenylation
ENSG00000153922	CHD1 PPI subnetwork
ENSG00000172725	CORO1B PPI subnetwork
MP:0001823	thymus hypoplasia
MP:0005630	increased lung weight
GO:0003230	cardiac atrium development
ENSG00000082175	PGR PPI subnetwork
MP:0004617	sacral vertebral transformation
ENSG00000093167	LRRFIP2 PPI subnetwork
GO:0006688	glycosphingolipid biosynthetic process

GO:0045637	regulation of myeloid cell differentiation
ENSG00000164442	CITED2 PPI subnetwork
ENSG00000110448	CD5 PPI subnetwork
GO:0009187	cyclic nucleotide metabolic process
ENSG00000197558	ENSG00000197558 PPI subnetwork
ENSG00000127388	ENSG00000127388 PPI subnetwork
ENSG00000111052	LIN7A PPI subnetwork
ENSG00000055130	CUL1 PPI subnetwork
ENSG00000078328	RBFOX1 PPI subnetwork
ENSG00000105894	PTN PPI subnetwork
MP:0008097	increased plasma cell number
MP:0008173	increased follicular B cell number
REACTOME_CELL:EXTRACELLULAR_MATRIX	REACTOME_CELL:EXTRACELLULAR_MATRIX_INTERACTIONS
GO:0004114	3',5'-cyclic-nucleotide phosphodiesterase activity
ENSG00000092201	SUPT16H PPI subnetwork
ENSG00000132485	ZRANB2 PPI subnetwork
ENSG00000105372	RPS19 PPI subnetwork
GO:0030125	clathrin vesicle coat
ENSG00000149136	SSRP1 PPI subnetwork
MP:0002546	mydriasis
REACTOME_FORMATION_OF_THE_TERNAR	REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_
GO:0051325	interphase
GO:0042101	T cell receptor complex
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HE	KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLO
ENSG00000175634	RPS6KB2 PPI subnetwork
ENSG00000106615	RHEB PPI subnetwork
MP:0005079	defective cytotoxic T cell cytolysis
GO:0046320	regulation of fatty acid oxidation
ENSG00000148400	NOTCH1 PPI subnetwork
GO:0050867	positive regulation of cell activation
ENSG00000149806	FAU PPI subnetwork
ENSG00000060140	STYK1 PPI subnetwork
ENSG00000125508	SRMS PPI subnetwork
ENSG00000196735	HLA-DQA1 PPI subnetwork
MP:0009747	impaired behavioral response to xenobiotic
ENSG00000085511	MAP3K4 PPI subnetwork
REACTOME_OLFACTORY_SIGNALING_PATH	REACTOME_OLFACTORY_SIGNALING_PATHWAY
GO:0070555	response to interleukin-1
ENSG00000087263	OGFOD1 PPI subnetwork
ENSG00000143870	PDIA6 PPI subnetwork
ENSG00000074181	NOTCH3 PPI subnetwork
MP:0000825	dilated lateral ventricles
GO:0031397	negative regulation of protein ubiquitination
REACTOME_G2M_CHECKPOINTS	REACTOME_G2M_CHECKPOINTS
MP:0000558	abnormal tibia morphology
ENSG00000107242	PIP5K1B PPI subnetwork
GO:0035282	segmentation
ENSG00000188419	CHM PPI subnetwork
GO:0055072	iron ion homeostasis
GO:0031970	organelle envelope lumen

ENSG00000100664	EIF5 PPI subnetwork
GO:0045624	positive regulation of T-helper cell differentiation
ENSG00000184371	CSF1 PPI subnetwork
GO:0014013	regulation of gliogenesis
ENSG00000115966	ATF2 PPI subnetwork
GO:0045622	regulation of T-helper cell differentiation
ENSG00000116473	RAP1A PPI subnetwork
ENSG00000100129	EIF3L PPI subnetwork
GO:0000242	pericentriolar material
REACTOME_CELL_DEATH_SIGNALLING_VIA	REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AN
ENSG00000124802	EEF1E1 PPI subnetwork
GO:0060216	definitive hemopoiesis
GO:0008278	cohesin complex
ENSG00000165392	WRN PPI subnetwork
ENSG00000170248	PDCD6IP PPI subnetwork
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSI	KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
ENSG00000099204	ABLIM1 PPI subnetwork
GO:0004437	inositol or phosphatidylinositol phosphatase activity
ENSG00000133265	HSPBP1 PPI subnetwork
ENSG00000160678	S100A1 PPI subnetwork
GO:0048013	ephrin receptor signaling pathway
ENSG00000183020	AP2A2 PPI subnetwork
MP:0002391	abnormal Peyer's patch germinal center morphology
GO:0007224	smoothened signaling pathway
GO:0045577	regulation of B cell differentiation
GO:0005545	1-phosphatidylinositol binding
MP:0001829	increased activated T cell number
MP:0009142	decreased prepulse inhibition
ENSG00000101004	NINL PPI subnetwork
GO:0000786	nucleosome
REACTOME_SIGNAL_TRANSDUCTION_BY_L	REACTOME_SIGNAL_TRANSDUCTION_BY_L1
GO:0045086	positive regulation of interleukin-2 biosynthetic process
REACTOME_REGULATION_OF_WATER_BAL	REACTOME_REGULATION_OF_WATER_BALANCE_BY_RENAL_A
ENSG00000010671	BTK PPI subnetwork
GO:0051436	negative regulation of ubiquitin-protein ligase activity involvec
GO:0007281	germ cell development
GO:0031398	positive regulation of protein ubiquitination
GO:0060021	palate development
GO:0001910	regulation of leukocyte mediated cytotoxicity
GO:0072009	nephron epithelium development
GO:0006369	termination of RNA polymerase II transcription
GO:0043370	regulation of CD4-positive, alpha-beta T cell differentiation
MP:0002563	shortened circadian period
GO:0031011	Ino80 complex
GO:0033202	DNA helicase complex
REACTOME_TRANSCRIPTION	REACTOME_TRANSCRIPTION
ENSG00000177879	AP3S1 PPI subnetwork
ENSG00000058600	POLR3E PPI subnetwork
ENSG00000168496	FEN1 PPI subnetwork
ENSG00000109519	GRPEL1 PPI subnetwork

GO:0032946	positive regulation of mononuclear cell proliferation
GO:0042588	zymogen granule
KEGG_MAPK_SIGNALING_PATHWAY	KEGG_MAPK_SIGNALING_PATHWAY
GO:0051351	positive regulation of ligase activity
ENSG00000139618	BRCA2 PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
MP:0005656	decreased aggression
ENSG00000198932	GPRASP1 PPI subnetwork
GO:0016331	morphogenesis of embryonic epithelium
MP:0001629	abnormal heart rate
GO:0043596	nuclear replication fork
GO:0042755	eating behavior
GO:0031267	small GTPase binding
ENSG00000033011	ALG1 PPI subnetwork
GO:0030218	erythrocyte differentiation
GO:0000780	condensed nuclear chromosome, centromeric region
ENSG00000063046	EIF4B PPI subnetwork
ENSG00000172572	PDE3A PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PI3KGA
REACTOME_ACTIVATION_OF_THE_MRNA_I	REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_O
GO:0032663	regulation of interleukin-2 production
ENSG00000103043	VAC14 PPI subnetwork
ENSG00000110148	CCKBR PPI subnetwork
ENSG00000103507	BCKDK PPI subnetwork
ENSG00000075391	RASAL2 PPI subnetwork
ENSG00000133895	MEN1 PPI subnetwork
GO:0046006	regulation of activated T cell proliferation
ENSG00000139546	TARBP2 PPI subnetwork
ENSG00000124214	STAU1 PPI subnetwork
ENSG00000166908	PIP4K2C PPI subnetwork
GO:0061333	renal tubule morphogenesis
GO:0002260	lymphocyte homeostasis
ENSG00000171858	RPS21 PPI subnetwork
ENSG00000132383	RPA1 PPI subnetwork
ENSG00000127955	GNAI1 PPI subnetwork
ENSG00000126458	RRAS PPI subnetwork
ENSG00000085415	SEH1L PPI subnetwork
GO:0000775	chromosome, centromeric region
GO:0051340	regulation of ligase activity
ENSG00000091651	ORC6 PPI subnetwork
ENSG00000115091	ACTR3 PPI subnetwork
MP:0003604	single kidney
ENSG00000124783	SSR1 PPI subnetwork
ENSG00000084234	APLP2 PPI subnetwork
ENSG00000163531	NFASC PPI subnetwork
GO:0008528	G-protein coupled peptide receptor activity
GO:0050863	regulation of T cell activation
ENSG00000171195	MUC7 PPI subnetwork
GO:0032784	regulation of transcription elongation, DNA-dependent
MP:0008070	absent T cells

ENSG00000092330	TINF2 PPI subnetwork
ENSG00000149187	CELF1 PPI subnetwork
GO:0042462	eye photoreceptor cell development
ENSG00000004487	KDM1A PPI subnetwork
GO:0016445	somatic diversification of immunoglobulins
ENSG00000138594	TMOD3 PPI subnetwork
MP:0005333	decreased heart rate
GO:0035102	PRC1 complex
GO:0032606	type I interferon production
GO:0045444	fat cell differentiation
ENSG00000140350	ANP32A PPI subnetwork
GO:0051597	response to methylmercury
GO:0006783	heme biosynthetic process
MP:0000455	abnormal maxilla morphology
MP:0000454	abnormal jaw morphology
GO:0045123	cellular extravasation
GO:0018105	peptidyl-serine phosphorylation
MP:0009546	absent gastric milk in neonates
GO:0072283	metanephric renal vesicle morphogenesis
MP:0005598	decreased ventricle muscle contractility
GO:0005154	epidermal growth factor receptor binding
GO:0007608	sensory perception of smell
ENSG00000130758	MAP3K10 PPI subnetwork
GO:0034138	toll-like receptor 3 signaling pathway
ENSG00000124693	HIST1H3B PPI subnetwork
ENSG00000196966	HIST1H3E PPI subnetwork
ENSG00000112727	ENSG00000112727 PPI subnetwork
ENSG00000182572	HIST1H3I PPI subnetwork
ENSG00000198366	HIST1H3A PPI subnetwork
ENSG00000197153	HIST1H3J PPI subnetwork
ENSG00000178458	ENSG00000178458 PPI subnetwork
ENSG00000197409	HIST1H3D PPI subnetwork
ENSG00000196532	HIST1H3C PPI subnetwork
MP:0000688	lymphoid hyperplasia
GO:0006004	fucose metabolic process
ENSG00000115163	CENPA PPI subnetwork
ENSG00000175220	ARHGAP1 PPI subnetwork
ENSG00000163512	AZI2 PPI subnetwork
KEGG_NUCLEOTIDE_EXCISION_REPAIR	KEGG_NUCLEOTIDE_EXCISION_REPAIR
ENSG00000115254	ENSG00000115254 PPI subnetwork
GO:0030522	intracellular receptor mediated signaling pathway
GO:0072080	nephron tubule development
GO:0006613	cotranslational protein targeting to membrane
ENSG00000105486	LIG1 PPI subnetwork
ENSG00000196154	S100A4 PPI subnetwork
GO:0003678	DNA helicase activity
GO:0002756	MyD88-independent toll-like receptor signaling pathway
REACTOME_THE_NLRP3_INFLAMMASOME	REACTOME_THE_NLRP3_INFLAMMASOME
GO:0043588	skin development
GO:0009247	glycolipid biosynthetic process

GO:0006733	oxidoreduction coenzyme metabolic process
GO:0010959	regulation of metal ion transport
ENSG00000100325	ASCC2 PPI subnetwork
KEGG_RIBOSOME	KEGG_RIBOSOME
ENSG00000127564	PKMYT1 PPI subnetwork
ENSG00000007312	CD79B PPI subnetwork
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_ESCAPE
GO:0004112	cyclic-nucleotide phosphodiesterase activity
REACTOME_MUSCLE_CONTRACTION	REACTOME_MUSCLE_CONTRACTION
REACTOME_GLUTAMATE_NEUROTRANSMI	REACTOME_GLUTAMATE_NEUROTRANSMITTER_RELEASE_CY
ENSG00000116584	ARHGEF2 PPI subnetwork
ENSG00000153207	AHCTF1 PPI subnetwork
MP:0001394	circling
ENSG00000105656	ELL PPI subnetwork
ENSG00000106571	GLI3 PPI subnetwork
GO:0002696	positive regulation of leukocyte activation
GO:0050671	positive regulation of lymphocyte proliferation
ENSG00000127334	DYRK2 PPI subnetwork
GO:0006516	glycoprotein catabolic process
GO:0051318	G1 phase
GO:0001653	peptide receptor activity
ENSG00000144713	RPL32 PPI subnetwork
GO:0000118	histone deacetylase complex
REACTOME_IRS:MEDIATED_SIGNALLING	REACTOME_IRS:MEDIATED_SIGNALLING
REACTOME_IRS:RELATED_EVENTS	REACTOME_IRS:RELATED_EVENTS
GO:0001782	B cell homeostasis
GO:0071843	cellular component biogenesis at cellular level
ENSG00000142945	KIF2C PPI subnetwork
REACTOME_E2F:ENABLED_INHIBITION_OF_	REACTOME_E2F:ENABLED_INHIBITION_OF_PRE:REPLICATION_
GO:0009913	epidermal cell differentiation
ENSG00000065613	SLK PPI subnetwork
GO:0016569	covalent chromatin modification
MP:0003047	abnormal thoracic vertebrae morphology
GO:0030118	clathrin coat
GO:0061351	neural precursor cell proliferation
ENSG00000113558	SKP1 PPI subnetwork
GO:0015669	gas transport
GO:0019935	cyclic-nucleotide-mediated signaling
MP:0003308	abnormal cochlear sensory epithelium morphology
GO:0070665	positive regulation of leukocyte proliferation
GO:0047485	protein N-terminus binding
GO:0051349	positive regulation of lyase activity
GO:0071774	response to fibroblast growth factor stimulus
GO:0044344	cellular response to fibroblast growth factor stimulus
GO:0042133	neurotransmitter metabolic process
ENSG00000128609	NDUFA5 PPI subnetwork
ENSG00000198938	MT-CO3 PPI subnetwork
ENSG00000158560	DYNC1I1 PPI subnetwork
MP:0003271	abnormal duodenum morphology
ENSG00000215699	ENSG00000215699 PPI subnetwork

KEGG_LONG_TERM_DEPRESSION	KEGG_LONG_TERM_DEPRESSION
ENSG00000009830	POMT2 PPI subnetwork
GO:0000723	telomere maintenance
GO:0008361	regulation of cell size
ENSG00000160200	CBS PPI subnetwork
ENSG00000075539	FRYL PPI subnetwork
ENSG00000169067	ACTBL2 PPI subnetwork
GO:0031672	A band
MP:0011186	abnormal visceral endoderm morphology
ENSG00000108797	CNTNAP1 PPI subnetwork
GO:0004984	olfactory receptor activity
GO:0009065	glutamine family amino acid catabolic process
KEGG_MISMATCH_REPAIR	KEGG_MISMATCH_REPAIR
GO:0016667	oxidoreductase activity, acting on a sulfur group of donors
GO:0042102	positive regulation of T cell proliferation
REACTOME_DOWNSTREAM_SIGNALING_OI	REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGF
GO:0007517	muscle organ development
MP:0002625	heart left ventricle hypertrophy
GO:0030501	positive regulation of bone mineralization
ENSG00000198836	OPA1 PPI subnetwork
ENSG00000175792	RUVBL1 PPI subnetwork
GO:0051437	positive regulation of ubiquitin-protein ligase activity involved
ENSG00000185825	BCAP31 PPI subnetwork
ENSG00000120087	HOXB7 PPI subnetwork
REACTOME_G1_PHASE	REACTOME_G1_PHASE
REACTOME_CYCLIN_D_ASSOCIATED_EVENT	REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1
GO:0035107	appendage morphogenesis
GO:0035108	limb morphogenesis
REACTOME_FGFR4_LIGAND_BINDING_AND	REACTOME_FGFR4_LIGAND_BINDING_AND_ACTIVATION
REACTOME_PHOSPHORYLATION_OF_THE_A	REACTOME_PHOSPHORYLATION_OF_THE_APCC
ENSG00000184825	HIST1H2AH PPI subnetwork
ENSG00000124642	ENSG00000124642 PPI subnetwork
REACTOME_INSULIN_RECEPTOR_SIGNALLI	REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCADE
ENSG00000067191	CACNB1 PPI subnetwork
KEGG_AUTOIMMUNE_THYROID_DISEASE	KEGG_AUTOIMMUNE_THYROID_DISEASE
ENSG00000100151	PICK1 PPI subnetwork
ENSG00000144283	PKP4 PPI subnetwork
ENSG00000206258	TNXB PPI subnetwork
GO:0009798	axis specification
MP:0001154	seminiferous tubule degeneration
GO:0001656	metanephros development
GO:0043547	positive regulation of GTPase activity
ENSG00000104142	VPS18 PPI subnetwork
MP:0000745	tremors
ENSG00000172680	MOS PPI subnetwork
GO:0000779	condensed chromosome, centromeric region
ENSG00000175063	UBE2C PPI subnetwork
MP:0005597	decreased susceptibility to type I hypersensitivity reaction
ENSG00000153140	CETN3 PPI subnetwork
ENSG00000003096	KLHL13 PPI subnetwork

GO:0010769	regulation of cell morphogenesis involved in differentiation
GO:0004089	carbonate dehydratase activity
MP:0005090	increased double-negative T cell number
ENSG00000106211	HSPB1 PPI subnetwork
MP:0004939	abnormal B cell morphology
ENSG00000183474	GTF2H2C PPI subnetwork
GO:0045785	positive regulation of cell adhesion
ENSG00000135333	EPHA7 PPI subnetwork
ENSG00000116544	DLGAP3 PPI subnetwork
GO:0007200	phospholipase C-activating G-protein coupled receptor signali
GO:0016577	histone demethylation
GO:0005871	kinesin complex
ENSG00000109911	ELP4 PPI subnetwork
MP:0000036	absent semicircular canals
GO:0006044	N-acetylglucosamine metabolic process
GO:0006041	glucosamine metabolic process
GO:0016607	nuclear speck
GO:0032947	protein complex scaffold
REACTOME_TRANSLATION	REACTOME_TRANSLATION
MP:0003384	abnormal ventral body wall morphology
ENSG00000157110	RBPMS PPI subnetwork
MP:0004351	short humerus
MP:0002332	abnormal exercise endurance
ENSG00000149480	MTA2 PPI subnetwork
MP:0004994	abnormal brain wave pattern
ENSG00000131149	KIAA0182 PPI subnetwork
ENSG00000101199	ARFGAP1 PPI subnetwork
GO:0006260	DNA replication
GO:0051924	regulation of calcium ion transport
ENSG00000052723	SIKE1 PPI subnetwork
ENSG00000172399	MYOZ2 PPI subnetwork
GO:0030149	sphingolipid catabolic process
GO:0046466	membrane lipid catabolic process
MP:0001825	arrested T cell differentiation
GO:0050321	tau-protein kinase activity
REACTOME_RECRUITMENT_OF_NUMA_TO	REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTRC
ENSG00000120071	KIAA1267 PPI subnetwork
GO:0021766	hippocampus development
GO:0002791	regulation of peptide secretion
GO:0090087	regulation of peptide transport
ENSG00000110321	EIF4G2 PPI subnetwork
ENSG00000179632	MAF1 PPI subnetwork
ENSG00000169021	UQCRFS1 PPI subnetwork
ENSG00000164022	AIMP1 PPI subnetwork
GO:0043189	H4/H2A histone acetyltransferase complex
GO:0007163	establishment or maintenance of cell polarity
GO:0032984	macromolecular complex disassembly
GO:0002825	regulation of T-helper 1 type immune response
GO:0003785	actin monomer binding
GO:0050691	regulation of defense response to virus by host

REACTOME_DNA_REPAIR	REACTOME_DNA_REPAIR
GO:0022613	ribonucleoprotein complex biogenesis
ENSG00000156273	BACH1 PPI subnetwork
GO:0090276	regulation of peptide hormone secretion
ENSG00000151065	DCP1B PPI subnetwork
ENSG00000129991	TNNI3 PPI subnetwork
ENSG00000139372	TDG PPI subnetwork
GO:0015662	ATPase activity, coupled to transmembrane movement of ions
ENSG00000121022	COPS5 PPI subnetwork
ENSG00000177542	SLC25A22 PPI subnetwork
ENSG00000113318	MSH3 PPI subnetwork
GO:0032318	regulation of Ras GTPase activity
GO:0030016	myofibril
ENSG00000180573	HIST1H2AC PPI subnetwork
ENSG00000064419	TNPO3 PPI subnetwork
GO:0008033	tRNA processing
ENSG00000124588	NQO2 PPI subnetwork
GO:0009311	oligosaccharide metabolic process
GO:0045073	regulation of chemokine biosynthetic process
GO:0048232	male gamete generation
GO:0007283	spermatogenesis
ENSG00000153774	CFDP1 PPI subnetwork
REACTOME_RIBOSOMAL_SCANNING_AND_	REACTOME_RIBOSOMAL_SCANNING_AND_START_CODON_RI
GO:0030593	neutrophil chemotaxis
GO:0050864	regulation of B cell activation
ENSG00000076242	MLH1 PPI subnetwork
ENSG00000157152	ENSG00000157152 PPI subnetwork
ENSG00000115145	STAM2 PPI subnetwork
GO:0045028	G-protein coupled purinergic nucleotide receptor activity
GO:0001608	G-protein coupled nucleotide receptor activity
GO:0046928	regulation of neurotransmitter secretion
GO:0042771	DNA damage response, signal transduction by p53 class media
ENSG00000108773	KAT2A PPI subnetwork
ENSG00000180198	RCC1 PPI subnetwork
KEGG_RNA_DEGRADATION	KEGG_RNA_DEGRADATION
GO:0051145	smooth muscle cell differentiation
GO:0051329	interphase of mitotic cell cycle
ENSG00000012983	MAP4K5 PPI subnetwork
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR_OF_R
ENSG00000154473	BUB3 PPI subnetwork
GO:0030148	sphingolipid biosynthetic process
ENSG00000171453	POLR1C PPI subnetwork
GO:0060993	kidney morphogenesis
GO:0015893	drug transport
ENSG00000148798	INA PPI subnetwork
GO:0007631	feeding behavior
REACTOME_TRANSLATION_INITIATION_CO	REACTOME_TRANSLATION_INITIATION_COMPLEX_FORMATIC
GO:0048588	developmental cell growth
ENSG00000133511	ENSG00000133511 PPI subnetwork

ENSG00000057663	ATG5 PPI subnetwork
GO:0007405	neuroblast proliferation
REACTOME_G2M_TRANSITION	REACTOME_G2M_TRANSITION
GO:0017136	NAD-dependent histone deacetylase activity
GO:0034979	NAD-dependent protein deacetylase activity
REACTOME_ACTIVATION_OF_ATR_IN_RESP	REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLIC/
GO:0001916	positive regulation of T cell mediated cytotoxicity
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_KSRP
GO:0007566	embryo implantation
ENSG00000168530	MYL1 PPI subnetwork
ENSG00000138741	TRPC3 PPI subnetwork
GO:0000777	condensed chromosome kinetochore
GO:0005882	intermediate filament
ENSG00000008294	SPAG9 PPI subnetwork
MP:0000812	abnormal dentate gyrus morphology
KEGG_T_CELL_RECEPTOR_SIGNALING_PATI	KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY
GO:0070307	lens fiber cell development
GO:0004691	cAMP-dependent protein kinase activity
GO:0060284	regulation of cell development
MP:0011049	impaired adaptive thermogenesis
ENSG00000198873	GRK5 PPI subnetwork
REACTOME_GLUCAGON:TYPE_LIGAND_REC	REACTOME_GLUCAGON:TYPE_LIGAND_RECEPTORS
GO:0045580	regulation of T cell differentiation
ENSG00000104879	CKM PPI subnetwork
GO:0042383	sarcolemma
ENSG00000100479	POLE2 PPI subnetwork
GO:0042033	chemokine biosynthetic process
ENSG00000117592	PRDX6 PPI subnetwork
REACTOME_G:PROTEIN_BETAGAMMA_SIGI	REACTOME_G:PROTEIN_BETAGAMMA_SIGNALLING
GO:0030514	negative regulation of BMP signaling pathway
GO:0046467	membrane lipid biosynthetic process
MP:0005171	absent coat pigmentation
ENSG00000066336	SPI1 PPI subnetwork
GO:0009123	nucleoside monophosphate metabolic process
ENSG00000196866	HIST1H2AD PPI subnetwork
ENSG00000196747	HIST1H2AI PPI subnetwork
ENSG00000196787	HIST1H2AG PPI subnetwork
ENSG00000184348	HIST1H2AK PPI subnetwork
ENSG00000198374	HIST1H2AL PPI subnetwork
ENSG00000141655	TNFRSF11A PPI subnetwork
ENSG00000153563	CD8A PPI subnetwork
GO:0071295	cellular response to vitamin
MP:0000808	abnormal hippocampus development
GO:0014014	negative regulation of gliogenesis
KEGG_COLORECTAL_CANCER	KEGG_COLORECTAL_CANCER
GO:0008017	microtubule binding
GO:0030894	replisome
GO:0043601	nuclear replisome
GO:0035195	gene silencing by miRNA
ENSG00000169621	APLF PPI subnetwork

GO:0006417	regulation of translation
GO:0043029	T cell homeostasis
ENSG00000080986	NDC80 PPI subnetwork
ENSG00000122565	CBX3 PPI subnetwork
ENSG00000183814	LIN9 PPI subnetwork
ENSG00000133318	RTN3 PPI subnetwork
ENSG00000136754	ABI1 PPI subnetwork
GO:0034654	nucleobase-containing compound biosynthetic process
GO:0030695	GTPase regulator activity
GO:0060840	artery development
GO:0050832	defense response to fungus
ENSG00000167136	ENDOG PPI subnetwork
GO:0032409	regulation of transporter activity
ENSG00000163539	CLASP2 PPI subnetwork
GO:0033006	regulation of mast cell activation involved in immune response
GO:0042104	positive regulation of activated T cell proliferation
GO:0001614	purinergic nucleotide receptor activity
GO:0016502	nucleotide receptor activity
ENSG00000145649	GZMA PPI subnetwork
ENSG00000156970	BUB1B PPI subnetwork
REACTOME_CHROMOSOME_MAINTENANC	REACTOME_CHROMOSOME_MAINTENANCE
MP:0000473	abnormal stomach glandular epithelium morphology
GO:0017148	negative regulation of translation
ENSG00000065268	WDR18 PPI subnetwork
GO:0021675	nerve development
ENSG00000174446	SNAPC5 PPI subnetwork
ENSG00000084623	EIF3I PPI subnetwork
GO:0031424	keratinization
GO:0048610	cellular process involved in reproduction
ENSG00000140262	TCF12 PPI subnetwork
ENSG00000155959	VBP1 PPI subnetwork
GO:0009378	four-way junction helicase activity
GO:0010008	endosome membrane
MP:0001386	abnormal maternal nurturing
ENSG00000198910	L1CAM PPI subnetwork
GO:0016676	oxidoreductase activity, acting on a heme group of donors, ox
GO:0004129	cytochrome-c oxidase activity
GO:0015002	heme-copper terminal oxidase activity
GO:0016010	dystrophin-associated glycoprotein complex
GO:0032200	telomere organization
ENSG00000104722	NEFM PPI subnetwork
GO:0043022	ribosome binding
MP:0004029	spontaneous chromosome breakage
ENSG00000198933	TBKBP1 PPI subnetwork
ENSG00000100239	PPP6R2 PPI subnetwork
REACTOME_M_PHASE	REACTOME_M_PHASE
ENSG00000196331	HIST1H2BO PPI subnetwork
GO:0003231	cardiac ventricle development
ENSG00000111581	NUP107 PPI subnetwork
GO:0030658	transport vesicle membrane

MP:0006090	abnormal utricle morphology
GO:2000045	regulation of G1/S transition of mitotic cell cycle
ENSG00000131143	COX4I1 PPI subnetwork
GO:0045576	mast cell activation
GO:0002444	myeloid leukocyte mediated immunity
GO:0017124	SH3 domain binding
GO:0030817	regulation of cAMP biosynthetic process
GO:0030949	positive regulation of vascular endothelial growth factor recep
ENSG00000114554	PLXNA1 PPI subnetwork
ENSG00000187558	ENSG00000187558 PPI subnetwork
ENSG00000184203	PPP1R2 PPI subnetwork
REACTOME_MEMBRANE_TRAFFICKING	REACTOME_MEMBRANE_TRAFFICKING
REACTOME_CONVERSION_FROM_APCCCD(	REACTOME_CONVERSION_FROM_APCCCDC20_TO_APCCCDH:
ENSG00000130787	HIP1R PPI subnetwork
ENSG00000117000	RLF PPI subnetwork
ENSG00000148943	LIN7C PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATI(
GO:0003203	endocardial cushion morphogenesis
GO:0030126	COPI vesicle coat
ENSG00000130041	ENSG00000130041 PPI subnetwork
ENSG00000177954	RPS27 PPI subnetwork
GO:0002790	peptide secretion
GO:0048709	oligodendrocyte differentiation
MP:0002675	asthenozoospermia
ENSG00000173786	CNP PPI subnetwork
ENSG00000013441	CLK1 PPI subnetwork
ENSG00000196628	TCF4 PPI subnetwork
ENSG00000157601	MX1 PPI subnetwork
MP:0005595	abnormal vascular smooth muscle physiology
ENSG00000160271	RALGDS PPI subnetwork
ENSG00000186184	POLR1D PPI subnetwork
GO:0008214	protein dealkylation
GO:0006482	protein demethylation
ENSG00000173894	CBX2 PPI subnetwork
ENSG00000069329	VPS35 PPI subnetwork
MP:0003651	abnormal axon outgrowth
ENSG00000138709	LARP1B PPI subnetwork
GO:0042745	circadian sleep/wake cycle
GO:0021700	developmental maturation
REACTOME_G_ALPHA_Z_SIGNALLING_EVEI	REACTOME_G_ALPHA_Z_SIGNALLING_EVENTS
GO:0050911	detection of chemical stimulus involved in sensory perception
GO:0007229	integrin-mediated signaling pathway
MP:0000159	abnormal xiphoid process morphology
GO:0030902	hindbrain development
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_DEACYLATION_OF_
ENSG00000101132	PFDN4 PPI subnetwork
ENSG00000211895	ENSG00000211895 PPI subnetwork
GO:0031281	positive regulation of cyclase activity
GO:0045762	positive regulation of adenylate cyclase activity
ENSG00000111731	KIAA0528 PPI subnetwork

ENSG00000156976	EIF4A2 PPI subnetwork
REACTOME_MITOTIC_PROMETAPHASE	REACTOME_MITOTIC_PROMETAPHASE
MP:0008027	abnormal spinal cord white matter morphology
ENSG00000138433	CIR1 PPI subnetwork
GO:0090287	regulation of cellular response to growth factor stimulus
GO:0007190	activation of adenylate cyclase activity
MP:0002183	gliosis
ENSG00000145335	SNCA PPI subnetwork
MP:0002064	seizures
MP:0004737	absent distortion product otoacoustic emissions
MP:0002574	increased vertical activity
GO:0002579	positive regulation of antigen processing and presentation
GO:0032479	regulation of type I interferon production
ENSG00000189308	LIN54 PPI subnetwork
GO:0000377	RNA splicing, via transesterification reactions with bulged ade
GO:0000398	nuclear mRNA splicing, via spliceosome
GO:0032494	response to peptidoglycan
MP:0003161	absent lateral semicircular canal
ENSG00000135679	MDM2 PPI subnetwork
REACTOME_CLATHRIN_DERIVED_VESICLE_I	REACTOME_CLATHRIN_DERIVED_VESICLE_BUDDING
REACTOME_TRANS:GOLGI_NETWORK_VESI	REACTOME_TRANS:GOLGI_NETWORK_VESICLE_BUDDING
GO:0043209	myelin sheath
MP:0002988	decreased urine osmolality
GO:0045814	negative regulation of gene expression, epigenetic
ENSG00000171549	ENSG00000171549 PPI subnetwork
ENSG00000182520	ENSG00000182520 PPI subnetwork
GO:0004435	phosphatidylinositol phospholipase C activity
ENSG00000171208	NETO2 PPI subnetwork
GO:0035137	hindlimb morphogenesis
REACTOME_LOSS_OF_NLP_FROM_MITOTIC	REACTOME_LOSS_OF_NLP_FROM_MITOTIC_CENTROSOMES
REACTOME_LOSS_OF_PROTEINS_REQUIRED	REACTOME_LOSS_OF_PROTEINS_REQUIRED_FOR_INTERPHAS
ENSG00000065427	KARS PPI subnetwork
GO:0044291	cell-cell contact zone
GO:0000245	spliceosomal complex assembly
ENSG00000171759	PAH PPI subnetwork
MP:0009888	palatal shelves fail to meet at midline
GO:0044440	endosomal part
ENSG00000133243	BTBD2 PPI subnetwork
ENSG00000112079	STK38 PPI subnetwork
ENSG00000198010	DLGAP2 PPI subnetwork
GO:0001738	morphogenesis of a polarized epithelium
ENSG00000140368	PSTPIP1 PPI subnetwork
ENSG00000156802	ATAD2 PPI subnetwork
GO:0048741	skeletal muscle fiber development
GO:0044257	cellular protein catabolic process
GO:0033280	response to vitamin D
GO:0016570	histone modification
GO:0051495	positive regulation of cytoskeleton organization
GO:0033180	proton-transporting V-type ATPase, V1 domain
ENSG00000167491	GATAD2A PPI subnetwork

ENSG00000162511	LAPTM5 PPI subnetwork
ENSG00000061337	LZTS1 PPI subnetwork
ENSG00000214021	TTLL3 PPI subnetwork
MP:0001145	abnormal male reproductive system morphology
ENSG00000102096	PIM2 PPI subnetwork
ENSG00000185532	PRKG1 PPI subnetwork
GO:0030512	negative regulation of transforming growth factor beta recept
ENSG00000154277	UCHL1 PPI subnetwork
GO:0006275	regulation of DNA replication
GO:0048016	inositol phosphate-mediated signaling
GO:0001963	synaptic transmission, dopaminergic
REACTOME_NGF_SIGNALLING_VIA_TRKA_F	REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASM
GO:0005096	GTPase activator activity
REACTOME_DARPP:32_EVENTS	REACTOME_DARPP:32_EVENTS
GO:0071156	regulation of cell cycle arrest
ENSG00000142875	PRKACB PPI subnetwork
REACTOME_TRAFFICKING_OF_AMPA_RECE	REACTOME_TRAFFICKING_OF_AMPA_RECEPTORS
REACTOME_GLUTAMATE_BINDING_ACTIVA	REACTOME_GLUTAMATE_BINDING_ACTIVATION_OF_AMPA_I
ENSG00000135940	COX5B PPI subnetwork
MP:0006359	absent startle reflex
MP:0006011	abnormal endolymphatic duct morphology
GO:0005929	cilium
GO:0035872	nucleotide-binding domain, leucine rich repeat containing rece
GO:0002753	cytoplasmic pattern recognition receptor signaling pathway
GO:0070423	nucleotide-binding oligomerization domain containing signalin
GO:0034470	ncRNA processing
GO:0016409	palmitoyltransferase activity
GO:0006029	proteoglycan metabolic process
ENSG00000182541	LIMK2 PPI subnetwork
ENSG00000157020	SEC13 PPI subnetwork
ENSG00000205155	PSENEN PPI subnetwork
KEGG_VASCULAR_SMOOTH_MUSCLE_CON	KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION
ENSG00000152578	GRIA4 PPI subnetwork
ENSG00000197956	S100A6 PPI subnetwork
GO:0005852	eukaryotic translation initiation factor 3 complex
GO:0045495	pole plasm
GO:0043186	P granule
GO:0060293	germ plasm
GO:0001676	long-chain fatty acid metabolic process
GO:0009612	response to mechanical stimulus
MP:0008284	abnormal hippocampus pyramidal cell layer
GO:0034134	toll-like receptor 2 signaling pathway
ENSG00000142541	RPL13A PPI subnetwork
MP:0010107	abnormal renal reabsorbtion
GO:0032607	interferon-alpha production
GO:0032647	regulation of interferon-alpha production
GO:0019207	kinase regulator activity
ENSG00000134982	APC PPI subnetwork
ENSG00000134250	NOTCH2 PPI subnetwork
GO:0016896	exoribonuclease activity, producing 5'-phosphomonoesters

GO:0001660	fever generation
ENSG00000173744	AGFG1 PPI subnetwork
GO:0007183	SMAD protein complex assembly
ENSG00000067900	ROCK1 PPI subnetwork
REACTOME_MRNA_CAPPING	REACTOME_MRNA_CAPPING
GO:0004532	exoribonuclease activity
GO:0004721	phosphoprotein phosphatase activity
GO:0032608	interferon-beta production
ENSG00000087258	GNAO1 PPI subnetwork
ENSG00000116761	CTH PPI subnetwork
GO:0051603	proteolysis involved in cellular protein catabolic process
MP:0010053	decreased grip strength
GO:0097094	craniofacial suture morphogenesis
GO:0060363	cranial suture morphogenesis
ENSG00000105829	BET1 PPI subnetwork
REACTOME_INWARDLY_RECTIFYING_K_CH/	REACTOME_INWARDLY_RECTIFYING_K_CHANNELS
ENSG00000028137	TNFRSF1B PPI subnetwork
GO:0031396	regulation of protein ubiquitination
GO:0034623	cellular macromolecular complex disassembly
GO:0016585	chromatin remodeling complex
ENSG00000166478	ZNF143 PPI subnetwork
ENSG00000198286	CARD11 PPI subnetwork
ENSG00000159692	CTBP1 PPI subnetwork
GO:0030814	regulation of cAMP metabolic process
ENSG00000100784	RPS6KA5 PPI subnetwork
KEGG_VIRAL_MYOCARDITIS	KEGG_VIRAL_MYOCARDITIS
GO:0031575	mitotic cell cycle G1/S transition checkpoint
GO:0009582	detection of abiotic stimulus
GO:0035313	wound healing, spreading of epidermal cells
MP:0002761	abnormal hippocampal mossy fiber morphology
GO:0016568	chromatin modification
ENSG00000110092	CCND1 PPI subnetwork
ENSG00000188021	UBQLN2 PPI subnetwork
GO:0046129	purine ribonucleoside biosynthetic process
GO:0042455	ribonucleoside biosynthetic process
GO:0042451	purine nucleoside biosynthetic process
ENSG00000129559	NEDD8 PPI subnetwork
ENSG00000078142	PIK3C3 PPI subnetwork
MP:0001158	abnormal prostate gland morphology
GO:0045111	intermediate filament cytoskeleton
GO:0006833	water transport
ENSG00000129810	SGOL1 PPI subnetwork
KEGG_MELANOMA	KEGG_MELANOMA
GO:0006873	cellular ion homeostasis
MP:0001982	decreased chemically-elicited antinociception
ENSG00000114784	EIF1B PPI subnetwork
GO:0048638	regulation of developmental growth
GO:0017016	Ras GTPase binding
GO:0034130	toll-like receptor 1 signaling pathway
GO:0002312	B cell activation involved in immune response

ENSG00000150459	SAP18 PPI subnetwork
GO:0031576	G2/M transition checkpoint
ENSG00000181610	MRPS23 PPI subnetwork
ENSG00000181218	HIST3H2A PPI subnetwork
ENSG00000117242	ENSG00000117242 PPI subnetwork
MP:0000889	abnormal cerebellar molecular layer
ENSG00000159131	GART PPI subnetwork
ENSG00000140740	UQCRC2 PPI subnetwork
MP:0001539	decreased caudal vertebrae number
MP:0008212	absent mature B cells
ENSG00000130811	EIF3G PPI subnetwork
GO:2000179	positive regulation of neural precursor cell proliferation
ENSG00000198618	ENSG00000198618 PPI subnetwork
ENSG00000196262	PPIA PPI subnetwork
MP:0008050	decreased memory T cell number
GO:0006458	'de novo' protein folding
GO:0031902	late endosome membrane
ENSG00000100888	CHD8 PPI subnetwork
ENSG00000177469	PTRF PPI subnetwork
GO:0043583	ear development
MP:0000285	abnormal heart valve morphology
ENSG00000108179	PPIF PPI subnetwork
ENSG00000182901	RGS7 PPI subnetwork
GO:0033014	tetrapyrrole biosynthetic process
GO:0006779	porphyrin-containing compound biosynthetic process
ENSG00000106144	CASP2 PPI subnetwork
REACTOME_INHIBITION_OF_REPLICATION_	REACTOME_INHIBITION_OF_REPLICATION_INITIATION_OF_DA
GO:0030017	sarcomere
ENSG00000173366	ENSG00000173366 PPI subnetwork
GO:0001829	trophectodermal cell differentiation
ENSG00000082074	FYB PPI subnetwork
GO:0051439	regulation of ubiquitin-protein ligase activity involved in mitot
KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_(	KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI_ANCHOR_BIOS
ENSG00000197971	MBP PPI subnetwork
GO:0080008	CUL4 RING ubiquitin ligase complex
GO:0006457	protein folding
GO:0051053	negative regulation of DNA metabolic process
ENSG00000197728	RPS26 PPI subnetwork
ENSG00000196656	ENSG00000196656 PPI subnetwork
ENSG00000206211	ENSG00000206211 PPI subnetwork
ENSG00000204220	PFDN6 PPI subnetwork
ENSG00000206283	PFDN6 PPI subnetwork
REACTOME_PURINE_SALVAGE	REACTOME_PURINE_SALVAGE
ENSG00000114841	DNAH1 PPI subnetwork
REACTOME_FORMATION_OF_THE_EARLY_I	REACTOME_FORMATION_OF_THE_EARLY_ELONGATION_COM
REACTOME_FORMATION_OF_THE_HIV:1_E	REACTOME_FORMATION_OF_THE_HIV:1_EARLY_ELONGATIOI
ENSG00000151320	AKAP6 PPI subnetwork
GO:0050798	activated T cell proliferation
GO:0000375	RNA splicing, via transesterification reactions
ENSG00000013573	DDX11 PPI subnetwork

MP:0002961	abnormal axon guidance
GO:0003151	outflow tract morphogenesis
GO:0000922	spindle pole
REACTOME_RECRUITMENT_OF_MITOTIC_C	REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PRO
REACTOME_CENTROSOME_MATURATION	REACTOME_CENTROSOME_MATURATION
REACTOME_RAP1_SIGNALLING	REACTOME_RAP1_SIGNALLING
GO:0007210	serotonin receptor signaling pathway
MP:0001380	reduced male mating frequency
GO:0050690	regulation of defense response to virus by virus
ENSG00000138674	SEC31A PPI subnetwork
ENSG00000144891	AGTR1 PPI subnetwork
ENSG00000144580	RQCD1 PPI subnetwork
GO:0007530	sex determination
ENSG00000160307	S100B PPI subnetwork
GO:0010043	response to zinc ion
REACTOME_PD:1_SIGNALING	REACTOME_PD:1_SIGNALING
GO:0070830	tight junction assembly
GO:0004518	nuclease activity
MP:0008947	increased neuron number
GO:0043292	contractile fiber
GO:0021513	spinal cord dorsal/ventral patterning
ENSG00000000938	FGR PPI subnetwork
ENSG00000118513	MYB PPI subnetwork
GO:0031461	cullin-RING ubiquitin ligase complex
GO:0032391	photoreceptor connecting cilium
GO:0050796	regulation of insulin secretion
ENSG00000123349	PFDN5 PPI subnetwork
ENSG00000164687	FABP5 PPI subnetwork
ENSG00000196531	NACA PPI subnetwork
GO:0035253	ciliary rootlet
ENSG00000139970	RTN1 PPI subnetwork
ENSG00000206156	ENSG00000206156 PPI subnetwork
ENSG00000121892	PDS5A PPI subnetwork
ENSG00000153044	CENPH PPI subnetwork
ENSG00000148672	GLUD1 PPI subnetwork
GO:0005070	SH3/SH2 adaptor activity
ENSG00000116251	RPL22 PPI subnetwork
ENSG00000162367	TAL1 PPI subnetwork
ENSG00000150753	CCT5 PPI subnetwork
MP:0002823	abnormal rib development
ENSG00000135269	TES PPI subnetwork
ENSG00000163283	ALPP PPI subnetwork
ENSG00000165417	GTF2A1 PPI subnetwork
GO:0009163	nucleoside biosynthetic process
GO:0005769	early endosome
GO:0007015	actin filament organization
MP:0002095	abnormal skin pigmentation
ENSG00000174307	PHLDA3 PPI subnetwork
ENSG00000089685	BIRC5 PPI subnetwork
MP:0009743	preaxial polydactyly

MP:0002428	abnormal semicircular canal morphology
GO:0044449	contractile fiber part
GO:0000776	kinetochore
ENSG00000138663	COPS4 PPI subnetwork
GO:0035258	steroid hormone receptor binding
MP:0002904	increased circulating parathyroid hormone level
ENSG00000104408	EIF3E PPI subnetwork
REACTOME_ION_TRANSPORT_BY_P:TYPE_/	REACTOME_ION_TRANSPORT_BY_P:TYPE_ATPASES
ENSG00000117399	CDC20 PPI subnetwork
MP:0001905	abnormal dopamine level
GO:0032201	telomere maintenance via semi-conservative replication
MP:0008026	abnormal brain white matter morphology
ENSG00000092108	SCFD1 PPI subnetwork
GO:0006342	chromatin silencing
GO:0043240	Fanconi anaemia nuclear complex
ENSG00000179262	RAD23A PPI subnetwork
ENSG00000111348	ARHGDIB PPI subnetwork
GO:0004629	phospholipase C activity
GO:0010092	specification of organ identity
REACTOME_FGFR2C_LIGAND_BINDING_AN	REACTOME_FGFR2C_LIGAND_BINDING_AND_ACTIVATION
GO:0006085	acetyl-CoA biosynthetic process
GO:0050688	regulation of defense response to virus
GO:0030036	actin cytoskeleton organization
GO:0033119	negative regulation of RNA splicing
ENSG00000075624	ACTB PPI subnetwork
KEGG_GAP_JUNCTION	KEGG_GAP_JUNCTION
ENSG00000029534	ANK1 PPI subnetwork
GO:0001708	cell fate specification
REACTOME_APC:CDC20_MEDIATED_DEGR/	REACTOME_APC:CDC20_MEDIATED_DEGRADATION_OF_NEK2
ENSG00000180104	EXOC3 PPI subnetwork
GO:0060828	regulation of canonical Wnt receptor signaling pathway
GO:0060997	dendritic spine morphogenesis
GO:0097061	dendritic spine organization
GO:0000188	inactivation of MAPK activity
GO:0006672	ceramide metabolic process
MP:0001292	abnormal lens vesicle development
GO:0000175	3'-5'-exoribonuclease activity
GO:0002793	positive regulation of peptide secretion
ENSG00000165219	GAPVD1 PPI subnetwork
ENSG00000205726	ITSN1 PPI subnetwork
ENSG00000185214	ENSG00000185214 PPI subnetwork
GO:0042100	B cell proliferation
ENSG00000100612	DHRS7 PPI subnetwork
GO:0003743	translation initiation factor activity
MP:0000746	weakness
GO:0000803	sex chromosome
GO:0010948	negative regulation of cell cycle process
ENSG00000132305	IMMT PPI subnetwork
MP:0004084	abnormal cardiac muscle relaxation
GO:0003684	damaged DNA binding

ENSG00000121621	KIF18A PPI subnetwork
GO:0071779	G1/S transition checkpoint
ENSG00000125484	GTF3C4 PPI subnetwork
ENSG00000181029	TRAPPC5 PPI subnetwork
GO:0030934	anchoring collagen
ENSG00000163960	UBXN7 PPI subnetwork
ENSG00000184678	HIST2H2BE PPI subnetwork
ENSG00000114854	TNNC1 PPI subnetwork
REACTOME_SIGNALING_BY_ERBB2	REACTOME_SIGNALING_BY_ERBB2
ENSG00000105404	RABAC1 PPI subnetwork
ENSG00000111669	TPI1 PPI subnetwork
GO:0090090	negative regulation of canonical Wnt receptor signaling pathw
ENSG00000106399	RPA3 PPI subnetwork
GO:0043244	regulation of protein complex disassembly
GO:0000151	ubiquitin ligase complex
GO:0050906	detection of stimulus involved in sensory perception
GO:0032735	positive regulation of interleukin-12 production
ENSG00000122126	OCRL PPI subnetwork
GO:0009434	microtubule-based flagellum
GO:0001522	pseudouridine synthesis
ENSG00000211799	ENSG00000211799 PPI subnetwork
ENSG00000211735	ENSG00000211735 PPI subnetwork
ENSG00000211810	ENSG00000211810 PPI subnetwork
ENSG00000211739	ENSG00000211739 PPI subnetwork
GO:0021543	pallium development
GO:0007501	mesodermal cell fate specification
ENSG00000163349	HIPK1 PPI subnetwork
ENSG00000112208	BAG2 PPI subnetwork
MP:0005075	abnormal melanosome morphology
GO:0015802	basic amino acid transport
GO:0019887	protein kinase regulator activity
GO:0031145	anaphase-promoting complex-dependent proteasomal ubiquit
ENSG00000120149	MSX2 PPI subnetwork
ENSG00000175416	CLTB PPI subnetwork
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_INITIATIO
ENSG00000103510	KAT8 PPI subnetwork
MP:0002217	small lymph nodes
GO:0040036	regulation of fibroblast growth factor receptor signaling pathw
MP:0005322	abnormal serotonin level
ENSG00000083642	PDS5B PPI subnetwork
ENSG00000134852	CLOCK PPI subnetwork
GO:0050870	positive regulation of T cell activation
GO:0006213	pyrimidine nucleoside metabolic process
ENSG00000162105	SHANK2 PPI subnetwork
GO:0008366	axon ensheathment
GO:0007272	ensheathment of neurons
MP:0009936	abnormal dendritic spine morphology
MP:0001052	abnormal muscle innervation
MP:0004768	abnormal axonal transport
ENSG00000101246	ARFRP1 PPI subnetwork

GO:0034660	ncRNA metabolic process
ENSG00000030304	MUSK PPI subnetwork
ENSG00000112640	PPP2R5D PPI subnetwork
GO:2000311	regulation of alpha-amino-3-hydroxy-5-methyl-4-isoxazole prc
GO:0000070	mitotic sister chromatid segregation
REACTOME_INHIBITION_OF_THE_PROTEOL	REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF
REACTOME_INACTIVATION_OF_APCC_VIA_	REACTOME_INACTIVATION_OF_APCC_VIA_DIRECT_INHIBITIO
ENSG00000164885	CDK5 PPI subnetwork
GO:0005001	transmembrane receptor protein tyrosine phosphatase activit
GO:0019198	transmembrane receptor protein phosphatase activity
ENSG00000125166	GOT2 PPI subnetwork
REACTOME_P38MAPK_EVENTS	REACTOME_P38MAPK_EVENTS
GO:0002089	lens morphogenesis in camera-type eye
ENSG00000166147	FBN1 PPI subnetwork
GO:0048596	embryonic camera-type eye morphogenesis
ENSG00000033050	ABCF2 PPI subnetwork
REACTOME_PLATELET_HOMEOSTASIS	REACTOME_PLATELET_HOMEOSTASIS
GO:0032648	regulation of interferon-beta production
GO:0060589	nucleoside-triphosphatase regulator activity
GO:0016528	sarcoplasm
ENSG00000120334	CENPL PPI subnetwork
ENSG00000175582	RAB6A PPI subnetwork
ENSG00000114166	KAT2B PPI subnetwork
ENSG00000177426	TGIF1 PPI subnetwork
ENSG00000145794	MEGF10 PPI subnetwork
ENSG00000099622	CIRBP PPI subnetwork
MP:0003059	decreased insulin secretion
GO:0015464	acetylcholine receptor activity
GO:0032615	interleukin-12 production
ENSG00000114209	PDCD10 PPI subnetwork
ENSG00000136653	RASSF5 PPI subnetwork
ENSG00000117091	CD48 PPI subnetwork
ENSG00000170004	CHD3 PPI subnetwork
ENSG00000134248	HBXIP PPI subnetwork
GO:0030888	regulation of B cell proliferation
GO:0043034	costamere
GO:0055013	cardiac muscle cell development
GO:0055006	cardiac cell development
MP:0000880	decreased Purkinje cell number
GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
MP:0000857	abnormal cerebellar foliation
GO:0032655	regulation of interleukin-12 production
GO:0060601	lateral sprouting from an epithelium
ENSG00000165059	PRKACG PPI subnetwork
GO:0031234	extrinsic to internal side of plasma membrane
GO:0010822	positive regulation of mitochondrion organization
REACTOME_P75_NTR_RECEPTOR:MEDIATE	REACTOME_P75_NTR_RECEPTOR:MEDIATED_SIGNALLING
MP:0000864	abnormal cerebellum vermis morphology
ENSG00000114026	OGG1 PPI subnetwork
GO:0043297	apical junction assembly

ENSG00000100162	CENPM PPI subnetwork
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_GLUC
ENSG00000076864	RAP1GAP PPI subnetwork
ENSG00000066117	SMARCD1 PPI subnetwork
MP:0000774	decreased brain size
ENSG00000101558	VAPA PPI subnetwork
ENSG00000179091	CYC1 PPI subnetwork
ENSG00000175279	APITD1 PPI subnetwork
REACTOME_CASPASE:MEDIATED_CLEAVAG	REACTOME_CASPASE:MEDIATED_CLEAVAGE_OF_CYTOSKELET
MP:0001513	limb grasping
ENSG00000196792	STRN3 PPI subnetwork
REACTOME_MITOCHONDRIAL_TRNA_AMIN	REACTOME_MITOCHONDRIAL_TRNA_AMINOACYLATION
ENSG00000155657	TTN PPI subnetwork
GO:0042625	ATPase activity, coupled to transmembrane movement of ions
ENSG00000214122	ENSG00000214122 PPI subnetwork
GO:0002755	MyD88-dependent toll-like receptor signaling pathway
ENSG00000176386	CDC26 PPI subnetwork
ENSG00000137947	GTF2B PPI subnetwork
ENSG00000156973	PDE6D PPI subnetwork
ENSG00000120129	DUSP1 PPI subnetwork
GO:0044450	microtubule organizing center part
GO:0060571	morphogenesis of an epithelial fold
MP:0009238	coiled sperm flagellum
MP:0003633	abnormal nervous system physiology
ENSG00000068796	KIF2A PPI subnetwork
ENSG00000118640	VAMP8 PPI subnetwork
ENSG00000157168	NRG1 PPI subnetwork
GO:0010863	positive regulation of phospholipase C activity
ENSG00000133030	MPRIP PPI subnetwork
ENSG00000053900	ANAPC4 PPI subnetwork
GO:0010720	positive regulation of cell development
GO:0002275	myeloid cell activation involved in immune response
ENSG00000170145	SIK2 PPI subnetwork
GO:0016529	sarcoplasmic reticulum
GO:0007188	adenylate cyclase-modulating G-protein coupled receptor sign
ENSG00000075340	ADD2 PPI subnetwork
GO:0043094	cellular metabolic compound salvage
GO:0000075	cell cycle checkpoint
GO:0010498	proteasomal protein catabolic process
GO:0030663	COPI coated vesicle membrane
MP:0003463	abnormal single cell response
GO:0006399	tRNA metabolic process
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
ENSG00000087274	ADD1 PPI subnetwork
GO:0007018	microtubule-based movement
ENSG00000085231	TAF9 PPI subnetwork
GO:0003333	amino acid transmembrane transport
REACTOME_SMOOTH_MUSCLE_CONTRACT	REACTOME_SMOOTH_MUSCLE_CONTRACTION
REACTOME_COSTIMULATION_BY_THE_CD2	REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY
ENSG00000204301	NOTCH4 PPI subnetwork

ENSG00000104517	UBR5 PPI subnetwork
GO:0032508	DNA duplex unwinding
GO:0032392	DNA geometric change
REACTOME_RNA_POLYMERASE_III_CHAIN_	REACTOME_RNA_POLYMERASE_III_CHAIN_ELONGATION
ENSG00000118058	MLL PPI subnetwork
ENSG00000132604	TERF2 PPI subnetwork
GO:0070461	SAGA-type complex
ENSG00000147443	DOK2 PPI subnetwork
GO:0030072	peptide hormone secretion
ENSG00000112983	BRD8 PPI subnetwork
ENSG00000163877	SNIP1 PPI subnetwork
GO:0005868	cytoplasmic dynein complex
ENSG00000062822	POLD1 PPI subnetwork
GO:0001727	lipid kinase activity
GO:0006937	regulation of muscle contraction
ENSG00000078369	GNB1 PPI subnetwork
REACTOME_FGFR3_LIGAND_BINDING_AND	REACTOME_FGFR3_LIGAND_BINDING_AND_ACTIVATION
REACTOME_FGFR3C_LIGAND_BINDING_AN	REACTOME_FGFR3C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000083857	FAT1 PPI subnetwork
GO:0044447	axoneme part
GO:0000152	nuclear ubiquitin ligase complex
ENSG00000136824	SMC2 PPI subnetwork
GO:0009165	nucleotide biosynthetic process
GO:0032613	interleukin-10 production
GO:0048814	regulation of dendrite morphogenesis
ENSG00000111344	RASAL1 PPI subnetwork
ENSG00000065989	PDE4A PPI subnetwork
GO:0007141	male meiosis I
ENSG00000174442	ZWILCH PPI subnetwork
ENSG00000140307	GTF2A2 PPI subnetwork
ENSG00000145386	CCNA2 PPI subnetwork
ENSG00000145375	SPATA5 PPI subnetwork
ENSG00000128050	PAICS PPI subnetwork
ENSG00000143228	NUF2 PPI subnetwork
GO:0004722	protein serine/threonine phosphatase activity
GO:0003407	neural retina development
GO:0072594	establishment of protein localization to organelle
ENSG00000158864	NDUFS2 PPI subnetwork
REACTOME_AXON_GUIDANCE	REACTOME_AXON_GUIDANCE
ENSG00000105963	ADAP1 PPI subnetwork
GO:0071230	cellular response to amino acid stimulus
GO:0051251	positive regulation of lymphocyte activation
ENSG00000101412	E2F1 PPI subnetwork
GO:0042552	myelination
MP:0000854	abnormal cerebellum development
GO:0061326	renal tubule development
MP:0010404	ostium primum atrial septal defect
ENSG00000112306	RPS12 PPI subnetwork
MP:0000430	absent maxillary shelf
MP:0006059	decreased susceptibility to ischemic brain injury

GO:0035601	protein deacylation
GO:0043524	negative regulation of neuron apoptotic process
GO:0030530	heterogeneous nuclear ribonucleoprotein complex
GO:0008094	DNA-dependent ATPase activity
ENSG00000198804	MT-CO1 PPI subnetwork
ENSG00000212875	ENSG00000212875 PPI subnetwork
GO:0090277	positive regulation of peptide hormone secretion
GO:0008624	induction of apoptosis by extracellular signals
GO:0048641	regulation of skeletal muscle tissue development
GO:0004003	ATP-dependent DNA helicase activity
GO:0006338	chromatin remodeling
MP:0009940	abnormal hippocampus pyramidal cell morphology
ENSG00000188312	CENPP PPI subnetwork
MP:0003172	abnormal lysosome physiology
GO:0006476	protein deacetylation
ENSG00000051128	HOMER3 PPI subnetwork
GO:0008656	cysteine-type endopeptidase activator activity involved in apo
ENSG00000134371	CDC73 PPI subnetwork
ENSG00000120696	KBTBD7 PPI subnetwork
GO:0002448	mast cell mediated immunity
ENSG00000187239	FNBP1 PPI subnetwork
GO:0071339	MLL1 complex
ENSG00000160447	PKN3 PPI subnetwork
ENSG00000113312	TTC1 PPI subnetwork
REACTOME_SIGNALLING_BY_NGF	REACTOME_SIGNALLING_BY_NGF
ENSG00000161681	SHANK1 PPI subnetwork
ENSG00000168646	AXIN2 PPI subnetwork
MP:0000872	abnormal cerebellum external granule cell layer morphology
ENSG00000127191	TRAF2 PPI subnetwork
REACTOME_SHC1_EVENTS_IN_ERBB4_SIGN	REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING
GO:0043392	negative regulation of DNA binding
ENSG00000169992	NLGN2 PPI subnetwork
ENSG00000143256	PFDN2 PPI subnetwork
ENSG00000039560	RAI14 PPI subnetwork
ENSG00000105176	URI1 PPI subnetwork
GO:0042249	establishment of planar polarity of embryonic epithelium
GO:0051052	regulation of DNA metabolic process
MP:0002747	abnormal aortic valve morphology
ENSG00000101444	AHCY PPI subnetwork
GO:0072509	divalent inorganic cation transmembrane transporter activity
ENSG00000070759	TESK2 PPI subnetwork
GO:0007093	mitotic cell cycle checkpoint
REACTOME_METABOLISM_OF_NUCLEOTID	REACTOME_METABOLISM_OF_NUCLEOTIDES
GO:0007202	activation of phospholipase C activity
GO:0043303	mast cell degranulation
GO:0004725	protein tyrosine phosphatase activity
ENSG00000114812	VIPR1 PPI subnetwork
MP:0001655	multifocal hepatic necrosis
GO:0031683	G-protein beta/gamma-subunit complex binding
ENSG00000140988	RPS2 PPI subnetwork

GO:0008250	oligosaccharyltransferase complex
ENSG00000104164	PLDN PPI subnetwork
ENSG00000184445	KNTC1 PPI subnetwork
GO:0016874	ligase activity
GO:0030101	natural killer cell activation
MP:0005169	abnormal male meiosis
MP:0000690	absent spleen
GO:0032331	negative regulation of chondrocyte differentiation
GO:0021536	diencephalon development
ENSG00000128266	GNAZ PPI subnetwork
GO:0045191	regulation of isotype switching
ENSG00000104312	RIPK2 PPI subnetwork
ENSG00000058272	PPP1R12A PPI subnetwork
MP:0000233	abnormal blood flow velocity
MP:0003360	abnormal depression-related behavior
ENSG00000074047	GLI2 PPI subnetwork
GO:0008188	neuropeptide receptor activity
KEGG_ALLOGRAFT_REJECTION	KEGG_ALLOGRAFT_REJECTION
ENSG00000006125	AP2B1 PPI subnetwork
GO:0032653	regulation of interleukin-10 production
ENSG00000069424	KCNAB2 PPI subnetwork
ENSG00000173175	ADCY5 PPI subnetwork
REACTOME_DEADENYLATION:DEPENDENT_	REACTOME_DEADENYLATION:DEPENDENT_MRNA_DECAY
ENSG00000104320	NBN PPI subnetwork
GO:0048368	lateral mesoderm development
ENSG00000099725	ENSG00000099725 PPI subnetwork
ENSG00000198959	TGM2 PPI subnetwork
ENSG00000185883	ATP6V0C PPI subnetwork
ENSG00000163082	SGPP2 PPI subnetwork
MP:0003123	paternal imprinting
ENSG00000215727	ENSG00000215727 PPI subnetwork
ENSG00000065518	NDUFB4 PPI subnetwork
ENSG00000214826	ENSG00000214826 PPI subnetwork
ENSG00000111788	ENSG00000111788 PPI subnetwork
GO:0015631	tubulin binding
ENSG00000105048	TNNT1 PPI subnetwork
GO:0016884	carbon-nitrogen ligase activity, with glutamine as amido-N-do
ENSG00000137812	CASC5 PPI subnetwork
ENSG00000167986	DDB1 PPI subnetwork
ENSG00000166963	MAP1A PPI subnetwork
ENSG00000116641	DOCK7 PPI subnetwork
ENSG00000115561	CHMP3 PPI subnetwork
GO:0021987	cerebral cortex development
ENSG00000163041	H3F3A PPI subnetwork
ENSG00000196285	ENSG00000196285 PPI subnetwork
ENSG00000132475	H3F3B PPI subnetwork
MP:0001385	pup cannibalization
MP:0006092	abnormal olfactory neuron morphology
REACTOME_TRANSCRIPTION_OF_THE_HIV_	REACTOME_TRANSCRIPTION_OF_THE_HIV_GENOME
ENSG00000182899	RPL35A PPI subnetwork

GO:0042113	B cell activation
ENSG00000135390	ATP5G2 PPI subnetwork
GO:0006164	purine nucleotide biosynthetic process
ENSG00000168078	PBK PPI subnetwork
GO:0006297	nucleotide-excision repair, DNA gap filling
ENSG00000137713	PPP2R1B PPI subnetwork
MP:0008789	abnormal olfactory epithelium morphology
ENSG00000198742	SMURF1 PPI subnetwork
MP:0008080	abnormal CD8-positive T cell differentiation
ENSG00000127481	UBR4 PPI subnetwork
ENSG00000102384	CENPI PPI subnetwork
REACTOME_RNA_POLYMERASE_II_PRE:TRA	REACTOME_RNA_POLYMERASE_II_PRE:TRANSCRIPTION_EVEN
ENSG00000162946	DISC1 PPI subnetwork
ENSG00000172845	SP3 PPI subnetwork
ENSG00000185345	PARK2 PPI subnetwork
ENSG00000113575	PPP2CA PPI subnetwork
ENSG00000163069	SGCB PPI subnetwork
ENSG00000102683	SGCG PPI subnetwork
MP:0008788	abnormal fetal cardiomyocyte morphology
ENSG00000124333	VAMP7 PPI subnetwork
MP:0004324	vestibular hair cell degeneration
GO:0042976	activation of Janus kinase activity
ENSG00000145216	FIP1L1 PPI subnetwork
ENSG00000196981	WDR5B PPI subnetwork
MP:0002115	abnormal limb bone morphology
GO:0045071	negative regulation of viral genome replication
GO:0048525	negative regulation of viral reproduction
ENSG00000138031	ADCY3 PPI subnetwork
GO:0006364	rRNA processing
GO:0003697	single-stranded DNA binding
GO:0016072	rRNA metabolic process
GO:0001190	RNA polymerase II transcription factor binding transcription fa
GO:0001105	RNA polymerase II transcription coactivator activity
GO:0007422	peripheral nervous system development
GO:0004576	oligosaccharyl transferase activity
GO:0000819	sister chromatid segregation
MP:0000334	decreased granulocyte number
ENSG00000160654	CD3G PPI subnetwork
GO:0007033	vacuole organization
ENSG00000071243	ING3 PPI subnetwork
ENSG00000141200	KIF2B PPI subnetwork
GO:0043161	proteasomal ubiquitin-dependent protein catabolic process
ENSG00000079335	CDC14A PPI subnetwork
GO:0016579	protein deubiquitination
GO:0070972	protein localization in endoplasmic reticulum
MP:0005091	increased double-positive T cell number
GO:0010972	negative regulation of G2/M transition of mitotic cell cycle
ENSG00000120910	PPP3CC PPI subnetwork
GO:0072522	purine-containing compound biosynthetic process
ENSG00000144285	SCN1A PPI subnetwork

ENSG00000120008	WDR11 PPI subnetwork
ENSG00000205531	NAP1L4 PPI subnetwork
ENSG00000031691	CENPQ PPI subnetwork
GO:0017053	transcriptional repressor complex
KEGG_NEUROTROPHIN_SIGNALING_PATHV	KEGG_NEUROTROPHIN_SIGNALING_PATHWAY
GO:0035591	signaling adaptor activity
MP:0002102	abnormal ear morphology
ENSG00000196712	NF1 PPI subnetwork
MP:0005136	decreased growth hormone level
ENSG00000159720	ATP6V0D1 PPI subnetwork
ENSG00000128731	HERC2 PPI subnetwork
ENSG00000110876	SELPLG PPI subnetwork
ENSG00000106100	NOD1 PPI subnetwork
ENSG00000204133	ENSG00000204133 PPI subnetwork
ENSG00000169727	GPS1 PPI subnetwork
GO:0007062	sister chromatid cohesion
ENSG00000148180	GSN PPI subnetwork
ENSG00000007168	PAFAH1B1 PPI subnetwork
ENSG00000118260	CREB1 PPI subnetwork
ENSG00000134690	CDCA8 PPI subnetwork
MP:0000250	abnormal vasoconstriction
ENSG00000072401	UBE2D1 PPI subnetwork
MP:0002664	decreased circulating adrenocorticotropin level
MP:0002741	small olfactory bulb
ENSG00000055208	TAB2 PPI subnetwork
ENSG00000149925	ALDOA PPI subnetwork
GO:0008286	insulin receptor signaling pathway
ENSG00000117697	NSL1 PPI subnetwork
ENSG00000169083	AR PPI subnetwork
REACTOME_FGFR1C_LIGAND_BINDING_AN	REACTOME_FGFR1C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000146677	ENSG00000146677 PPI subnetwork
GO:0006888	ER to Golgi vesicle-mediated transport
ENSG00000155511	GRIA1 PPI subnetwork
GO:0048199	vesicle targeting, to, from or within Golgi
GO:0019321	pentose metabolic process
MP:0002856	abnormal vestibular ganglion morphology
ENSG00000160867	FGFR4 PPI subnetwork
GO:0031293	membrane protein intracellular domain proteolysis
GO:0019941	modification-dependent protein catabolic process
REACTOME_E2F_MEDIATED_REGULATION_	REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICA
ENSG00000161920	MED11 PPI subnetwork
ENSG00000130816	DNMT1 PPI subnetwork
ENSG00000121390	PSPC1 PPI subnetwork
ENSG00000116288	PARK7 PPI subnetwork
ENSG00000141456	ENSG00000141456 PPI subnetwork
ENSG00000122952	ZWINT PPI subnetwork
GO:0003229	ventricular cardiac muscle tissue development
GO:0032733	positive regulation of interleukin-10 production
ENSG00000107341	UBE2R2 PPI subnetwork
GO:0046058	cAMP metabolic process

ENSG00000169131	ZNF354A PPI subnetwork
ENSG00000106682	EIF4H PPI subnetwork
ENSG00000126821	SGPP1 PPI subnetwork
ENSG00000128534	NAA38 PPI subnetwork
GO:0003924	GTPase activity
ENSG00000127184	COX7C PPI subnetwork
ENSG00000125354	SEPT6 PPI subnetwork
GO:0043330	response to exogenous dsRNA
GO:0007274	neuromuscular synaptic transmission
GO:0002088	lens development in camera-type eye
GO:0032924	activin receptor signaling pathway
ENSG00000137693	YAP1 PPI subnetwork
ENSG00000103351	CLUAP1 PPI subnetwork
GO:0043632	modification-dependent macromolecule catabolic process
ENSG00000196218	RYR1 PPI subnetwork
GO:0019233	sensory perception of pain
MP:0003148	decreased cochlear coiling
ENSG00000185787	MORF4L1 PPI subnetwork
ENSG00000198838	RYR3 PPI subnetwork
ENSG00000039650	PNKP PPI subnetwork
GO:0007050	cell cycle arrest
REACTOME_NRAGE_SIGNALS_DEATH_THR(	REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK
GO:0022616	DNA strand elongation
ENSG00000130294	KIF1A PPI subnetwork
GO:0007029	endoplasmic reticulum organization
ENSG00000170558	CDH2 PPI subnetwork
GO:0032039	integrator complex
REACTOME_TELOMERE_MAINTENANCE	REACTOME_TELOMERE_MAINTENANCE
GO:0006488	dolichol-linked oligosaccharide biosynthetic process
GO:0050768	negative regulation of neurogenesis
ENSG00000133997	MED6 PPI subnetwork
GO:0009081	branched chain family amino acid metabolic process
GO:0072511	divalent inorganic cation transport
ENSG00000071794	HLTF PPI subnetwork
ENSG00000166451	CENPN PPI subnetwork
ENSG00000136152	COG3 PPI subnetwork
GO:0007411	axon guidance
GO:0006040	amino sugar metabolic process
GO:0010639	negative regulation of organelle organization
ENSG00000130414	NDUFA10 PPI subnetwork
GO:0072132	mesenchyme morphogenesis
GO:0032024	positive regulation of insulin secretion
GO:0051084	'de novo' posttranslational protein folding
MP:0000921	demyelination
GO:0051339	regulation of lyase activity
ENSG00000153487	ING1 PPI subnetwork
GO:0031279	regulation of cyclase activity
GO:0035267	NuA4 histone acetyltransferase complex
KEGG_CALCIUM_SIGNALING_PATHWAY	KEGG_CALCIUM_SIGNALING_PATHWAY
GO:0051261	protein depolymerization

MP:0002693	abnormal pancreas physiology
ENSG00000211790	ENSG00000211790 PPI subnetwork
MP:0002145	abnormal T cell differentiation
GO:0045621	positive regulation of lymphocyte differentiation
ENSG00000111262	KCNA1 PPI subnetwork
ENSG00000064995	TAF11 PPI subnetwork
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION
GO:0043241	protein complex disassembly
GO:0070838	divalent metal ion transport
GO:0003156	regulation of organ formation
ENSG00000115935	WIPF1 PPI subnetwork
MP:0003089	decreased skin tensile strength
GO:0032956	regulation of actin cytoskeleton organization
GO:0008430	selenium binding
ENSG00000070808	CAMK2A PPI subnetwork
ENSG00000036257	CUL3 PPI subnetwork
ENSG00000058404	CAMK2B PPI subnetwork
MP:0009379	abnormal foot pigmentation
ENSG00000161888	SPC24 PPI subnetwork
GO:0019001	guanyl nucleotide binding
GO:0032561	guanyl ribonucleotide binding
GO:0006284	base-excision repair
ENSG00000174775	HRAS PPI subnetwork
ENSG00000100285	NEFH PPI subnetwork
ENSG00000149636	DSN1 PPI subnetwork
ENSG00000167842	MIS12 PPI subnetwork
ENSG00000184886	PIGW PPI subnetwork
GO:0045786	negative regulation of cell cycle
GO:0043586	tongue development
ENSG00000136560	TANK PPI subnetwork
ENSG00000067057	PFKP PPI subnetwork
ENSG00000196367	TRRAP PPI subnetwork
ENSG00000102024	PLS3 PPI subnetwork
MP:0000819	abnormal olfactory bulb morphology
GO:0045619	regulation of lymphocyte differentiation
GO:0001510	RNA methylation
REACTOME_DEADENYLATION_OF_MRNA	REACTOME_DEADENYLATION_OF_MRNA
GO:0008380	RNA splicing
ENSG00000151725	MLF1IP PPI subnetwork
ENSG00000145041	VPRBP PPI subnetwork
GO:0042136	neurotransmitter biosynthetic process
ENSG00000166501	PRKCB PPI subnetwork
GO:0033559	unsaturated fatty acid metabolic process
ENSG00000106541	AGR2 PPI subnetwork
GO:0019674	NAD metabolic process
MP:0000029	abnormal malleus morphology
ENSG00000136531	SCN2A PPI subnetwork
GO:0045761	regulation of adenylate cyclase activity
ENSG00000148308	GTF3C5 PPI subnetwork
MP:0011386	increased metanephric mesenchyme apoptosis

MP:0000531	right pulmonary isomerism
ENSG00000169925	BRD3 PPI subnetwork
GO:0042354	L-fucose metabolic process
KEGG_PURINE_METABOLISM	KEGG_PURINE_METABOLISM
ENSG00000166337	TAF10 PPI subnetwork
ENSG00000047056	WDR37 PPI subnetwork
ENSG00000166579	NDEL1 PPI subnetwork
ENSG00000101773	RBBP8 PPI subnetwork
GO:0000076	DNA replication checkpoint
ENSG00000123219	CENPK PPI subnetwork
GO:2001020	regulation of response to DNA damage stimulus
GO:0007005	mitochondrion organization
ENSG00000135999	EPC2 PPI subnetwork
ENSG00000182872	RBM10 PPI subnetwork
MP:0001488	increased startle reflex
GO:0004520	endodeoxyribonuclease activity
ENSG00000138092	CENPO PPI subnetwork
ENSG00000196363	WDR5 PPI subnetwork
GO:0042274	ribosomal small subunit biogenesis
ENSG00000165637	VDAC2 PPI subnetwork
GO:0002407	dendritic cell chemotaxis
GO:0060393	regulation of pathway-restricted SMAD protein phosphorylatic
GO:0030042	actin filament depolymerization
MP:0004841	abnormal small intestine crypts of Lieberkuhn morphology
ENSG00000002822	MAD1L1 PPI subnetwork
ENSG00000204218	ENSG00000204218 PPI subnetwork
GO:0000086	G2/M transition of mitotic cell cycle
GO:0046631	alpha-beta T cell activation
ENSG00000186871	ERCC6L PPI subnetwork
ENSG00000152253	SPC25 PPI subnetwork
MP:0000743	muscle spasm
REACTOME_FGFR2_LIGAND_BINDING_AND	REACTOME_FGFR2_LIGAND_BINDING_AND_ACTIVATION
ENSG00000092841	MYL6 PPI subnetwork
GO:0030029	actin filament-based process
ENSG00000165684	SNAPC4 PPI subnetwork
MP:0002407	abnormal double-negative T cell morphology
REACTOME_TRANSFERRIN_ENDOCYTOSIS_A	REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING
ENSG00000008735	MAPK8IP2 PPI subnetwork
GO:0016226	iron-sulfur cluster assembly
GO:0031163	metallo-sulfur cluster assembly
REACTOME_ACTIVATION_OF_KAINATE_REC	REACTOME_ACTIVATION_OF_KAINATE_RECEPTORS_UPON_G
GO:0046697	decidualization
GO:0030133	transport vesicle
ENSG00000183943	PRKX PPI subnetwork
MP:0001393	ataxia
GO:0021846	cell proliferation in forebrain
GO:0006397	mRNA processing
REACTOME_GABA_B_RECEPTOR_ACTIVATI	REACTOME_GABA_B_RECEPTOR_ACTIVATION
REACTOME_ACTIVATION_OF_GABAB_RECE	REACTOME_ACTIVATION_OF_GABAB_RECEPTORS
ENSG00000174622	ENSG00000174622 PPI subnetwork

MP:0009838	abnormal sperm axoneme morphology
ENSG00000182473	EXOC7 PPI subnetwork
ENSG00000197959	DNM3 PPI subnetwork
GO:0005801	cis-Golgi network
REACTOME_FGFR1_LIGAND_BINDING_AND	REACTOME_FGFR1_LIGAND_BINDING_AND_ACTIVATION
REACTOME_DOUBLE:STRAND_BREAK_REPA	REACTOME_DOUBLE:STRAND_BREAK_REPAIR
GO:0030837	negative regulation of actin filament polymerization
GO:0000082	G1/S transition of mitotic cell cycle
ENSG00000153006	SREK1IP1 PPI subnetwork
ENSG00000168397	ATG4B PPI subnetwork
ENSG00000215697	ENSG00000215697 PPI subnetwork
MP:0001526	abnormal placing response
MP:0000885	ectopic Purkinje cell
ENSG00000155868	MED7 PPI subnetwork
GO:0007164	establishment of tissue polarity
ENSG00000141034	C17orf39 PPI subnetwork
GO:0002063	chondrocyte development
GO:0040018	positive regulation of multicellular organism growth
MP:0004770	abnormal synaptic vesicle recycling
GO:0030838	positive regulation of actin filament polymerization
ENSG00000170579	DLGAP1 PPI subnetwork
ENSG00000151729	SLC25A4 PPI subnetwork
GO:0005097	Rab GTPase activator activity
GO:0018195	peptidyl-arginine modification
MP:0000849	abnormal cerebellum morphology
GO:0060603	mammary gland duct morphogenesis
ENSG00000198692	EIF1AY PPI subnetwork
REACTOME_RECYCLING_PATHWAY_OF_L1	REACTOME_RECYCLING_PATHWAY_OF_L1
GO:0002763	positive regulation of myeloid leukocyte differentiation
GO:0000795	synaptonemal complex
ENSG00000104976	SNAPC2 PPI subnetwork
ENSG00000067369	TP53BP1 PPI subnetwork
ENSG00000197903	HIST1H2BK PPI subnetwork
ENSG00000179051	RCC2 PPI subnetwork
ENSG00000101224	CDC25B PPI subnetwork
GO:0005834	heterotrimeric G-protein complex
GO:0030834	regulation of actin filament depolymerization
ENSG00000153391	INO80C PPI subnetwork
ENSG00000084733	RAB10 PPI subnetwork
GO:0006200	ATP catabolic process
GO:0043174	nucleoside salvage
ENSG00000174197	MGA PPI subnetwork
ENSG00000004700	RECQL PPI subnetwork
ENSG00000198569	SLC34A3 PPI subnetwork
GO:0051147	regulation of muscle cell differentiation
GO:0030516	regulation of axon extension
GO:0046134	pyrimidine nucleoside biosynthetic process
ENSG00000120837	NFYB PPI subnetwork
MP:0002229	neurodegeneration
GO:0060065	uterus development

GO:0051693	actin filament capping
ENSG00000154839	SKA1 PPI subnetwork
ENSG00000007047	MARK4 PPI subnetwork
GO:0002052	positive regulation of neuroblast proliferation
MP:0009435	abnormal miniature inhibitory postsynaptic currents
ENSG00000197860	SGTB PPI subnetwork
REACTOME_G_PROTEIN_GATED_POTASSIU	REACTOME_G_PROTEIN_GATED_POTASSIUM_CHANNELS
REACTOME_INHIBITION__OF_VOLTAGE_GA	REACTOME_INHIBITION__OF_VOLTAGE_GATED_CA2_CHANN
REACTOME_ACTIVATION_OF_G_PROTEIN_(	REACTOME_ACTIVATION_OF_G_PROTEIN_GATED_POTASSIUI
ENSG00000116711	PLA2G4A PPI subnetwork
GO:0043623	cellular protein complex assembly
GO:0034405	response to fluid shear stress
ENSG00000124164	VAPB PPI subnetwork
GO:0046634	regulation of alpha-beta T cell activation
GO:0006013	mannose metabolic process
GO:0042398	cellular modified amino acid biosynthetic process
GO:0004835	tubulin-tyrosine ligase activity
ENSG00000104915	STX10 PPI subnetwork
MP:0005402	abnormal action potential
MP:0000480	increased rib number
ENSG00000171603	CLSTN1 PPI subnetwork
GO:0002279	mast cell activation involved in immune response
KEGG_GRAFT_VERSUS_HOST_DISEASE	KEGG_GRAFT_VERSUS_HOST_DISEASE
MP:0008723	impaired eosinophil recruitment
GO:0021895	cerebral cortex neuron differentiation
GO:0042787	protein ubiquitination involved in ubiquitin-dependent proteir
GO:0006511	ubiquitin-dependent protein catabolic process
ENSG00000126215	XRCC3 PPI subnetwork
ENSG00000197459	HIST1H2BH PPI subnetwork
MP:0009757	impaired behavioral response to morphine
ENSG00000159082	SYNJ1 PPI subnetwork
GO:0015278	calcium-release channel activity
ENSG00000079462	PAFAH1B3 PPI subnetwork
GO:0048538	thymus development
MP:0008143	abnormal dendrite morphology
GO:0007338	single fertilization
GO:0032970	regulation of actin filament-based process
ENSG00000197265	GTF2E2 PPI subnetwork
MP:0006065	abnormal heart position or orientation
GO:0004659	prenyltransferase activity
GO:0001673	male germ cell nucleus
GO:0032481	positive regulation of type I interferon production
GO:0006903	vesicle targeting
GO:0030835	negative regulation of actin filament depolymerization
ENSG00000135090	TAOK3 PPI subnetwork
MP:0000298	absent atrioventricular cushions
MP:0005620	abnormal muscle contractility
REACTOME_FORMATION_OF_TRANSCRIPTI	REACTOME_FORMATION_OF_TRANSCRIPTION:COUPLED_NER
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_TC:NER
ENSG00000141985	SH3GL1 PPI subnetwork

GO:0008543	fibroblast growth factor receptor signaling pathway
ENSG00000138814	PPP3CA PPI subnetwork
MP:0001900	impaired synaptic plasticity
ENSG00000102901	CENPT PPI subnetwork
MP:0001407	short stride length
ENSG00000138778	CENPE PPI subnetwork
GO:0006271	DNA strand elongation involved in DNA replication
GO:0051101	regulation of DNA binding
ENSG00000152234	ATP5A1 PPI subnetwork
MP:0001093	small trigeminal ganglion
MP:0004190	abnormal direction of embryo turning
GO:0090278	negative regulation of peptide hormone secretion
GO:0031105	septin complex
GO:0032156	septin cytoskeleton
ENSG00000008988	RPS20 PPI subnetwork
ENSG00000106290	TAF6 PPI subnetwork
REACTOME_THE_CITRIC_ACID_TCA_CYCLE_	REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_RESPIRATOR
ENSG00000160783	PMF1 PPI subnetwork
ENSG00000197535	MYO5A PPI subnetwork
ENSG00000164754	RAD21 PPI subnetwork
ENSG00000198791	CNOT7 PPI subnetwork
MP:0008892	abnormal sperm flagellum morphology
ENSG00000169592	INO80E PPI subnetwork
ENSG00000164053	ATRIP PPI subnetwork
ENSG00000113368	LMNB1 PPI subnetwork
GO:0071897	DNA biosynthetic process
ENSG00000170296	GABARAP PPI subnetwork
ENSG00000161835	GRASP PPI subnetwork
ENSG00000198918	RPL39 PPI subnetwork
GO:0042805	actinin binding
GO:0004402	histone acetyltransferase activity
MP:0001364	decreased anxiety-related response
ENSG00000111276	CDKN1B PPI subnetwork
GO:0010171	body morphogenesis
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_GG:NER
REACTOME_FORMATION_OF_INCISION_CO	REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG:NE
MP:0004813	absent linear vestibular evoked potential
REACTOME_KINESINS	REACTOME_KINESINS
ENSG00000180370	PAK2 PPI subnetwork
ENSG00000082397	EPB41L3 PPI subnetwork
GO:0032461	positive regulation of protein oligomerization
MP:0002007	increased cellular sensitivity to gamma-irradiation
GO:0030140	trans-Golgi network transport vesicle
MP:0002687	oligozoospermia
GO:0015935	small ribosomal subunit
GO:0031124	mRNA 3'-end processing
REACTOME_PLATELET_CALCIUM_HOMEOS	REACTOME_PLATELET_CALCIUM_HOMEOSTASIS
MP:0004132	absent embryonic cilia
GO:0050871	positive regulation of B cell activation
GO:0004143	diacylglycerol kinase activity

GO:0032715	negative regulation of interleukin-6 production
GO:0048265	response to pain
GO:0006261	DNA-dependent DNA replication
GO:0008060	ARF GTPase activator activity
GO:0000291	nuclear-transcribed mRNA catabolic process, exonucleolytic
GO:0043928	exonucleolytic nuclear-transcribed mRNA catabolic process inv
ENSG00000163050	ADCK3 PPI subnetwork
ENSG00000078140	UBE2K PPI subnetwork
GO:0045095	keratin filament
GO:0000041	transition metal ion transport
GO:0035064	methylated histone residue binding
ENSG00000173674	EIF1AX PPI subnetwork
GO:0006865	amino acid transport
GO:0021872	forebrain generation of neurons
ENSG00000168495	POLR3D PPI subnetwork
GO:0008016	regulation of heart contraction
GO:0006900	membrane budding
MP:0006007	abnormal basal ganglion morphology
KEGG_OLFACTORY_TRANSDUCTION	KEGG_OLFACTORY_TRANSDUCTION
MP:0005407	hyperalgesia
REACTOME_PLC:GAMMA1_SIGNALLING	REACTOME_PLC:GAMMA1_SIGNALLING
ENSG00000124217	MOCS3 PPI subnetwork
GO:0031047	gene silencing by RNA
ENSG00000096060	FKBP5 PPI subnetwork
ENSG00000188486	H2AFX PPI subnetwork
ENSG00000086827	ZW10 PPI subnetwork
GO:0031114	regulation of microtubule depolymerization
ENSG00000143190	POU2F1 PPI subnetwork
MP:0003233	prolonged QT interval
ENSG00000160551	TAOK1 PPI subnetwork
GO:0043028	cysteine-type endopeptidase regulator activity involved in apc
MP:0004409	abnormal crista ampullaris neuroepithelium morphology
ENSG00000109107	ALDOC PPI subnetwork
GO:0033209	tumor necrosis factor-mediated signaling pathway
ENSG00000085832	EPS15 PPI subnetwork
ENSG00000115953	ENSG00000115953 PPI subnetwork
GO:0019933	cAMP-mediated signaling
GO:0016337	cell-cell adhesion
ENSG00000077721	UBE2A PPI subnetwork
ENSG00000112592	TBP PPI subnetwork
GO:0001958	endochondral ossification
REACTOME_RNA_POLYMERASE_I_RNA_PO	REACTOME_RNA_POLYMERASE_I_RNA_POLYMERASE_III_ANI
ENSG00000154429	C1orf96 PPI subnetwork
GO:0006901	vesicle coating
GO:0048715	negative regulation of oligodendrocyte differentiation
MP:0001819	abnormal immune cell physiology
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
GO:0060415	muscle tissue morphogenesis
ENSG00000166483	WEE1 PPI subnetwork
ENSG00000136631	VPS45 PPI subnetwork

ENSG00000153767	GTF2E1 PPI subnetwork
REACTOME_MEIOTIC_SYNAPSIS	REACTOME_MEIOTIC_SYNAPSIS
GO:0048285	organelle fission
GO:0043269	regulation of ion transport
GO:0001759	organ induction
GO:0030662	coated vesicle membrane
GO:0006363	termination of RNA polymerase I transcription
GO:0016272	prefoldin complex
ENSG00000054611	TBC1D22A PPI subnetwork
ENSG00000131711	MAP1B PPI subnetwork
ENSG00000179958	DCTPP1 PPI subnetwork
ENSG00000101096	NFATC2 PPI subnetwork
GO:0048839	inner ear development
GO:0016651	oxidoreductase activity, acting on NADH or NADPH
GO:0046034	ATP metabolic process
ENSG00000120616	EPC1 PPI subnetwork
ENSG00000154710	RABGEF1 PPI subnetwork
REACTOME_TRAFFICKING_OF_GLUR2:CONT	REACTOME_TRAFFICKING_OF_GLUR2:CONTAINING_AMPA_RE
MP:0002885	abnormal AMPA-mediated synaptic currents
ENSG00000105669	COPE PPI subnetwork
GO:0042575	DNA polymerase complex
ENSG00000175895	PLEKHF2 PPI subnetwork
GO:0043624	cellular protein complex disassembly
ENSG00000078053	AMPH PPI subnetwork
GO:0032480	negative regulation of type I interferon production
GO:0048713	regulation of oligodendrocyte differentiation
GO:0000287	magnesium ion binding
GO:0016447	somatic recombination of immunoglobulin gene segments
GO:0000407	pre-autophagosomal structure
ENSG00000159259	CHAF1B PPI subnetwork
GO:0006144	purine base metabolic process
GO:0007269	neurotransmitter secretion
GO:0006353	transcription termination, DNA-dependent
GO:0042417	dopamine metabolic process
ENSG00000163468	CCT3 PPI subnetwork
GO:0007052	mitotic spindle organization
ENSG00000185973	TMLHE PPI subnetwork
GO:0001539	ciliary or flagellar motility
MP:0004769	abnormal synaptic vesicle morphology
GO:0009112	nucleobase metabolic process
ENSG00000088367	EPB41L1 PPI subnetwork
GO:0006376	mRNA splice site selection
GO:0006816	calcium ion transport
MP:0004751	increased length of allograft survival
GO:0042254	ribosome biogenesis
ENSG00000185008	ROBO2 PPI subnetwork
GO:0050684	regulation of mRNA processing
ENSG00000163032	VSNL1 PPI subnetwork
GO:0043038	amino acid activation
GO:0043039	tRNA aminoacylation

GO:0060968	regulation of gene silencing
ENSG00000178999	AURKB PPI subnetwork
MP:0004632	abnormal cochlear OHC efferent innervation pattern
MP:0001504	abnormal posture
MP:0001958	emphysema
ENSG00000104863	LIN7B PPI subnetwork
GO:0004065	arylsulfatase activity
ENSG00000148835	TAF5 PPI subnetwork
GO:0002011	morphogenesis of an epithelial sheet
MP:0002945	abnormal inhibitory postsynaptic currents
ENSG00000145782	ATG12 PPI subnetwork
ENSG00000117222	RBBP5 PPI subnetwork
ENSG00000183337	BCOR PPI subnetwork
GO:0070888	E-box binding
GO:0043567	regulation of insulin-like growth factor receptor signaling path
GO:0007130	synaptonemal complex assembly
GO:0060572	morphogenesis of an epithelial bud
ENSG00000211889	ENSG00000211889 PPI subnetwork
MP:0000359	abnormal mast cell morphology
ENSG00000126778	SIX1 PPI subnetwork
ENSG00000072135	PTPN18 PPI subnetwork
GO:0046635	positive regulation of alpha-beta T cell activation
GO:0060479	lung cell differentiation
GO:0006826	iron ion transport
GO:0071241	cellular response to inorganic substance
REACTOME_PHOSPHOLIPASE_C:MEDIATED_	REACTOME_PHOSPHOLIPASE_C:MEDIATED_CASCADE
GO:0002792	negative regulation of peptide secretion
ENSG00000133083	DCLK1 PPI subnetwork
GO:0043473	pigmentation
ENSG00000064313	TAF2 PPI subnetwork
GO:0046676	negative regulation of insulin secretion
ENSG00000105568	PPP2R1A PPI subnetwork
ENSG00000173327	MAP3K11 PPI subnetwork
ENSG00000141367	CLTC PPI subnetwork
REACTOME_OPIOID_SIGNALLING	REACTOME_OPIOID_SIGNALLING
REACTOME_PURINE_RIBONUCLEOSIDE_MC	REACTOME_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_B
GO:0030177	positive regulation of Wnt receptor signaling pathway
MP:0001566	hyperphosphatemia
MP:0000953	abnormal oligodendrocyte morphology
GO:0061136	regulation of proteasomal protein catabolic process
GO:0004890	GABA-A receptor activity
ENSG00000158186	MRAS PPI subnetwork
MP:0004738	abnormal brainstem auditory evoked potential
ENSG00000100813	ACIN1 PPI subnetwork
ENSG00000137345	MOG PPI subnetwork
ENSG00000206456	ENSG00000206456 PPI subnetwork
ENSG00000204655	MOG PPI subnetwork
ENSG00000198087	CD2AP PPI subnetwork
GO:0002200	somatic diversification of immune receptors
ENSG00000203879	GDI1 PPI subnetwork

GO:0030594	neurotransmitter receptor activity
GO:0001914	regulation of T cell mediated cytotoxicity
GO:0071248	cellular response to metal ion
GO:0031123	RNA 3'-end processing
GO:0032204	regulation of telomere maintenance
ENSG00000115750	TAF1B PPI subnetwork
ENSG00000086232	EIF2AK1 PPI subnetwork
GO:0051960	regulation of nervous system development
REACTOME_ACTIVATION_OF_THE_AP:1_FA	REACTOME_ACTIVATION_OF_THE_AP:1_FAMILY_OF_TRANSC
MP:0006036	abnormal mitochondrial physiology
GO:0008343	adult feeding behavior
ENSG00000182568	SATB1 PPI subnetwork
ENSG00000133103	COG6 PPI subnetwork
GO:0002757	immune response-activating signal transduction
GO:0016917	GABA receptor activity
ENSG00000099399	MAGEB2 PPI subnetwork
ENSG00000178982	EIF3K PPI subnetwork
MP:0003993	abnormal ventral spinal root morphology
MP:0005578	teratozoospermia
MP:0005461	abnormal dendritic cell morphology
REACTOME_L1CAM_INTERACTIONS	REACTOME_L1CAM_INTERACTIONS
REACTOME_JNK_C:JUN_KINASES_PHOSPHO	REACTOME_JNK_C:JUN_KINASES_PHOSPHORYLATION_AND__
GO:0030890	positive regulation of B cell proliferation
GO:0051187	cofactor catabolic process
GO:0048291	isotype switching to IgG isotypes
MP:0010392	prolonged QRS complex duration
GO:0043584	nose development
GO:0005184	neuropeptide hormone activity
GO:0030496	midbody
ENSG00000100413	POLR3H PPI subnetwork
GO:0007019	microtubule depolymerization
ENSG00000196730	DAPK1 PPI subnetwork
GO:0072384	organelle transport along microtubule
ENSG00000143437	ARNT PPI subnetwork
ENSG00000114982	KANSL3 PPI subnetwork
GO:0003012	muscle system process
ENSG00000151532	VTI1A PPI subnetwork
GO:0051054	positive regulation of DNA metabolic process
ENSG00000121542	SEC22A PPI subnetwork
ENSG00000188223	LIN37 PPI subnetwork
GO:0012506	vesicle membrane
ENSG00000134333	LDHA PPI subnetwork
GO:0002764	immune response-regulating signaling pathway
GO:0050881	musculoskeletal movement
GO:0050879	multicellular organismal movement
MP:0001898	abnormal long term depression
GO:0048813	dendrite morphogenesis
GO:0008064	regulation of actin polymerization or depolymerization
GO:0033124	regulation of GTP catabolic process
ENSG00000141503	MINK1 PPI subnetwork

MP:0004722	abnormal platelet dense granule number
GO:0045778	positive regulation of ossification
GO:0030427	site of polarized growth
GO:0006354	transcription elongation, DNA-dependent
ENSG00000184702	SEPT5 PPI subnetwork
GO:0021510	spinal cord development
MP:0004252	abnormal direction of heart looping
GO:0030010	establishment of cell polarity
ENSG00000197442	MAP3K5 PPI subnetwork
ENSG00000162613	FUBP1 PPI subnetwork
GO:0016775	phosphotransferase activity, nitrogenous group as acceptor
MP:0004131	abnormal embryonic cilium morphology
GO:0001893	maternal placenta development
ENSG00000111087	GLI1 PPI subnetwork
MP:0004624	abnormal thoracic cage morphology
ENSG00000139180	NDUFA9 PPI subnetwork
ENSG00000057608	GDI2 PPI subnetwork
GO:0045745	positive regulation of G-protein coupled receptor protein signa
MP:0010769	abnormal survival
REACTOME_MRNA_DECAY_BY_5_TO_3_EX	REACTOME_MRNA_DECAY_BY_5_TO_3_EXORIBONUCLEASE
GO:0021697	cerebellar cortex formation
GO:0070646	protein modification by small protein removal
ENSG00000160844	GATS PPI subnetwork
MP:0001951	abnormal breathing pattern
ENSG00000215694	ENSG00000215694 PPI subnetwork
ENSG00000168393	DTYMK PPI subnetwork
REACTOME_POST:TRANSLATIONAL_MODIF	REACTOME_POST:TRANSLATIONAL_MODIFICATION_SYNTHES
ENSG00000147677	EIF3H PPI subnetwork
GO:0060487	lung epithelial cell differentiation
ENSG00000108094	CUL2 PPI subnetwork
GO:0007129	synapsis
GO:0009312	oligosaccharide biosynthetic process
MP:0003964	abnormal noradrenaline level
GO:0048524	positive regulation of viral reproduction
ENSG00000118579	MED28 PPI subnetwork
ENSG00000134686	PHC2 PPI subnetwork
REACTOME_RAS_ACTIVATION_UOPN_CA2_	REACTOME_RAS_ACTIVATION_UOPN_CA2_INFUX_THROUGH_
GO:0001736	establishment of planar polarity
ENSG00000167083	GNGT2 PPI subnetwork
GO:0006690	icosanoid metabolic process
GO:0006418	tRNA aminoacylation for protein translation
GO:0043087	regulation of GTPase activity
ENSG00000162302	RPS6KA4 PPI subnetwork
ENSG00000174233	ADCY6 PPI subnetwork
MP:0003031	acidosis
MP:0008528	polycystic kidney
REACTOME_PLC_BETA_MEDIATED_EVENTS	REACTOME_PLC_BETA_MEDIATED_EVENTS
ENSG00000157349	DDX19B PPI subnetwork
ENSG00000079819	EPB41L2 PPI subnetwork
MP:0004452	abnormal pterygoid process morphology

GO:0060322	head development
ENSG00000134318	ROCK2 PPI subnetwork
MP:0001410	head bobbing
ENSG00000061676	NCKAP1 PPI subnetwork
KEGG_O_GLYCAN_BIOSYNTHESIS	KEGG_O_GLYCAN_BIOSYNTHESIS
ENSG00000161939	C17orf49 PPI subnetwork
ENSG00000128595	CALU PPI subnetwork
ENSG00000138398	PPIG PPI subnetwork
MP:0004919	abnormal positive T cell selection
GO:0043523	regulation of neuron apoptotic process
GO:0034311	diol metabolic process
GO:0009712	catechol-containing compound metabolic process
GO:0006584	catecholamine metabolic process
ENSG00000211762	ENSG00000211762 PPI subnetwork
GO:0005525	GTP binding
ENSG00000136709	WDR33 PPI subnetwork
GO:0030426	growth cone
ENSG00000181072	CHRM2 PPI subnetwork
GO:0030216	keratinocyte differentiation
ENSG00000197846	HIST1H2BF PPI subnetwork
ENSG00000180596	HIST1H2BC PPI subnetwork
ENSG00000168242	HIST1H2BI PPI subnetwork
ENSG00000187990	HIST1H2BG PPI subnetwork
GO:0070997	neuron death
MP:0000937	abnormal motor neuron morphology
MP:0009907	decreased tongue size
MP:0009456	impaired cued conditioning behavior
MP:0009454	impaired contextual conditioning behavior
MP:0005094	abnormal T cell proliferation
ENSG00000139549	DHH PPI subnetwork
GO:0043025	neuronal cell body
ENSG00000020922	MRE11A PPI subnetwork
KEGG_ERBB_SIGNALING_PATHWAY	KEGG_ERBB_SIGNALING_PATHWAY
GO:0008038	neuron recognition
GO:0030433	ER-associated protein catabolic process
KEGG_VASOPRESSIN_REGULATED_WATER_	KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION
ENSG00000155130	MARCKS PPI subnetwork
MP:0004876	decreased mean systemic arterial blood pressure
ENSG00000073614	KDM5A PPI subnetwork
MP:0006379	abnormal spermatocyte morphology
GO:0003015	heart process
REACTOME_GRB2_EVENTS_IN_ERBB2_SIGN	REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING
ENSG00000163535	SGOL2 PPI subnetwork
GO:0031334	positive regulation of protein complex assembly
ENSG00000156374	PCGF6 PPI subnetwork
GO:0051402	neuron apoptotic process
GO:0000280	nuclear division
GO:0007067	mitosis
GO:0072074	kidney mesenchyme development
GO:0022037	metencephalon development

GO:0000087	M phase of mitotic cell cycle
ENSG00000132535	DLG4 PPI subnetwork
GO:0031644	regulation of neurological system process
GO:0051258	protein polymerization
GO:0008156	negative regulation of DNA replication
ENSG00000153107	ANAPC1 PPI subnetwork
GO:0006636	unsaturated fatty acid biosynthetic process
ENSG00000161270	NPHS1 PPI subnetwork
ENSG00000114107	CEP70 PPI subnetwork
GO:0048066	developmental pigmentation
REACTOME_PHOSPHORYLATION_OF_CD3_	REACTOME_PHOSPHORYLATION_OF_CD3_AND_TCR_ZETA_CI
GO:0051324	prophase
ENSG00000169032	MAP2K1 PPI subnetwork
GO:0030832	regulation of actin filament length
GO:0045746	negative regulation of Notch signaling pathway
GO:0006308	DNA catabolic process
ENSG00000133710	SPINK5 PPI subnetwork
ENSG00000160803	UBQLN4 PPI subnetwork
MP:0001523	impaired righting response
GO:0000079	regulation of cyclin-dependent protein kinase activity
GO:0060323	head morphogenesis
GO:0046933	hydrogen ion transporting ATP synthase activity, rotational me
GO:0030659	cytoplasmic vesicle membrane
ENSG00000154727	GABPA PPI subnetwork
ENSG00000082014	SMARCD3 PPI subnetwork
GO:0030574	collagen catabolic process
ENSG00000068793	CYFIP1 PPI subnetwork
GO:0045646	regulation of erythrocyte differentiation
GO:0006821	chloride transport
GO:0004536	deoxyribonuclease activity
ENSG00000111716	LDHB PPI subnetwork
ENSG00000149182	ARFGAP2 PPI subnetwork
ENSG00000139436	GIT2 PPI subnetwork
GO:0016460	myosin II complex
GO:0006829	zinc ion transport
GO:0090329	regulation of DNA-dependent DNA replication
ENSG00000132334	PTPRE PPI subnetwork
ENSG00000198612	COPS8 PPI subnetwork
REACTOME_ENDOSOMAL_SORTING_COMP	REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FC
GO:0043044	ATP-dependent chromatin remodeling
MP:0003997	tonic-clonic seizures
GO:0006312	mitotic recombination
GO:0008307	structural constituent of muscle
GO:0017022	myosin binding
GO:0048644	muscle organ morphogenesis
ENSG00000172757	CFL1 PPI subnetwork
ENSG00000172137	CALB2 PPI subnetwork
GO:0001076	RNA polymerase II transcription factor binding transcription fa
ENSG00000100503	NIN PPI subnetwork
GO:0000956	nuclear-transcribed mRNA catabolic process

GO:0032543	mitochondrial translation
MP:0008415	abnormal neurite morphology
REACTOME_RNA_POLYMERASE_II_HIV:1_P	REACTOME_RNA_POLYMERASE_II_HIV:1_PROMOTER_ESCAPE
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_PRE:INITI
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_HIV:1_TRANSCRIPTION_INITIAT	REACTOME_HIV:1_TRANSCRIPTION_INITIATION
REACTOME_RNA_POLYMERASE_II_PROMO	REACTOME_RNA_POLYMERASE_II_PROMOTER_ESCAPE
ENSG00000153147	SMARCA5 PPI subnetwork
GO:0055008	cardiac muscle tissue morphogenesis
ENSG00000198785	GRIN3A PPI subnetwork
GO:0019208	phosphatase regulator activity
ENSG00000174405	LIG4 PPI subnetwork
GO:0007098	centrosome cycle
ENSG00000167977	KCTD5 PPI subnetwork
GO:0000460	maturation of 5.8S rRNA
ENSG00000117153	KLHL12 PPI subnetwork
GO:0060047	heart contraction
ENSG00000137841	PLCB2 PPI subnetwork
GO:0051493	regulation of cytoskeleton organization
ENSG00000145817	YIPF5 PPI subnetwork
GO:0031343	positive regulation of cell killing
ENSG00000072864	NDE1 PPI subnetwork
ENSG00000197697	HIST1H2BE PPI subnetwork
ENSG00000110436	SLC1A2 PPI subnetwork
MP:0005423	abnormal somatic nervous system physiology
ENSG00000196226	HIST1H2BB PPI subnetwork
GO:0008154	actin polymerization or depolymerization
ENSG00000206440	NFKBIL1 PPI subnetwork
ENSG00000168593	ENSG00000168593 PPI subnetwork
ENSG00000104973	MED25 PPI subnetwork
KEGG_MTOR_SIGNALING_PATHWAY	KEGG_MTOR_SIGNALING_PATHWAY
MP:0006398	increased long bone epiphyseal plate size
ENSG00000065534	MYLK PPI subnetwork
GO:0006361	transcription initiation from RNA polymerase I promoter
ENSG00000162923	WDR26 PPI subnetwork
REACTOME_CALMODULIN_INDUCED_EVEN	REACTOME_CALMODULIN_INDUCED_EVENTS
REACTOME_CAM_PATHWAY	REACTOME_CAM_PATHWAY
GO:0018209	peptidyl-serine modification
GO:0030660	Golgi-associated vesicle membrane
ENSG00000136888	ATP6V1G1 PPI subnetwork
ENSG00000126522	ASL PPI subnetwork
GO:0009713	catechol-containing compound biosynthetic process
GO:0034312	diol biosynthetic process
GO:0042423	catecholamine biosynthetic process
GO:0045843	negative regulation of striated muscle tissue development
ENSG00000198648	STK39 PPI subnetwork
GO:0030312	external encapsulating structure
ENSG00000112282	MED23 PPI subnetwork
GO:0006936	muscle contraction

REACTOME_DAG_AND_IP3_SIGNALING	REACTOME_DAG_AND_IP3_SIGNALING
ENSG00000117676	RPS6KA1 PPI subnetwork
GO:0060174	limb bud formation
ENSG00000154518	ATP5G3 PPI subnetwork
ENSG00000130176	CNN1 PPI subnetwork
ENSG00000026103	FAS PPI subnetwork
ENSG00000163191	S100A11 PPI subnetwork
GO:0046513	ceramide biosynthetic process
ENSG00000176884	GRIN1 PPI subnetwork
REACTOME_G:PROTEIN_MEDIATED_EVENT	REACTOME_G:PROTEIN_MEDIATED_EVENTS
GO:0007059	chromosome segregation
ENSG00000161980	POLR3K PPI subnetwork
ENSG00000198216	CACNA1E PPI subnetwork
ENSG00000197579	TOPORS PPI subnetwork
GO:0016796	exonuclease activity, active with either ribo- or deoxyribonucl
GO:0045214	sarcomere organization
GO:0008593	regulation of Notch signaling pathway
ENSG00000213588	ZBTB9 PPI subnetwork
ENSG00000076053	RBM7 PPI subnetwork
GO:0016780	phosphotransferase activity, for other substituted phosphate g
ENSG00000148660	CAMK2G PPI subnetwork
GO:0048663	neuron fate commitment
ENSG00000126785	RHOJ PPI subnetwork
MP:0002187	abnormal fibula morphology
GO:0072659	protein localization in plasma membrane
ENSG00000100883	SRP54 PPI subnetwork
GO:0005802	trans-Golgi network
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
GO:0050769	positive regulation of neurogenesis
GO:0060627	regulation of vesicle-mediated transport
ENSG00000197694	SPTAN1 PPI subnetwork
ENSG00000043591	ADRB1 PPI subnetwork
GO:0030135	coated vesicle
GO:0007409	axonogenesis
ENSG00000116459	ATP5F1 PPI subnetwork
GO:0035326	enhancer binding
ENSG00000213619	NDUFS3 PPI subnetwork
GO:0051588	regulation of neurotransmitter transport
GO:0051784	negative regulation of nuclear division
GO:0045839	negative regulation of mitosis
REACTOME_PKB:MEDIATED_EVENTS	REACTOME_PKB:MEDIATED_EVENTS
ENSG00000198899	MT-ATP6 PPI subnetwork
ENSG00000184672	RALYL PPI subnetwork
GO:0030811	regulation of nucleotide catabolic process
GO:0033121	regulation of purine nucleotide catabolic process
ENSG00000173660	UQCRH PPI subnetwork
ENSG00000101306	MYLK2 PPI subnetwork
GO:0071577	zinc ion transmembrane transport
GO:0010389	regulation of G2/M transition of mitotic cell cycle
ENSG00000167286	CD3D PPI subnetwork

ENSG00000172613	RAD9A PPI subnetwork
GO:0009161	ribonucleoside monophosphate metabolic process
GO:0050853	B cell receptor signaling pathway
GO:0031110	regulation of microtubule polymerization or depolymerization
GO:0015813	L-glutamate transport
GO:0070227	lymphocyte apoptotic process
GO:0001764	neuron migration
GO:0007140	male meiosis
GO:0030137	COPI-coated vesicle
ENSG00000140600	SH3GL3 PPI subnetwork
ENSG00000077420	APBB1IP PPI subnetwork
ENSG00000023608	SNAPC1 PPI subnetwork
GO:0048302	regulation of isotype switching to IgG isotypes
ENSG00000091436	ENSG00000091436 PPI subnetwork
GO:0006612	protein targeting to membrane
ENSG00000078269	SYNJ2 PPI subnetwork
GO:0032728	positive regulation of interferon-beta production
GO:0051149	positive regulation of muscle cell differentiation
ENSG00000008056	SYN1 PPI subnetwork
ENSG00000185619	PCGF3 PPI subnetwork
ENSG00000215760	ENSG00000215760 PPI subnetwork
ENSG00000187325	TAF9B PPI subnetwork
GO:0002204	somatic recombination of immunoglobulin genes involved in i
GO:0002208	somatic diversification of immunoglobulins involved in immun
GO:0045190	isotype switching
ENSG00000160075	SSU72 PPI subnetwork
MP:0004100	abnormal spinal cord interneuron morphology
ENSG00000147133	TAF1 PPI subnetwork
GO:0050773	regulation of dendrite development
GO:0006086	acetyl-CoA biosynthetic process from pyruvate
GO:0010510	regulation of acetyl-CoA biosynthetic process from pyruvate
GO:0021983	pituitary gland development
MP:0000940	abnormal motor neuron innervation
ENSG00000023318	ERP44 PPI subnetwork
GO:0032535	regulation of cellular component size
ENSG00000063245	EPN1 PPI subnetwork
GO:2000243	positive regulation of reproductive process
ENSG00000090273	NUDC PPI subnetwork
MP:0005225	abnormal vertebrae development
GO:0001573	ganglioside metabolic process
ENSG00000187778	MCRS1 PPI subnetwork
ENSG00000168172	HOOK3 PPI subnetwork
GO:0048515	spermatid differentiation
GO:0006839	mitochondrial transport
GO:0004012	phospholipid-translocating ATPase activity
GO:0021533	cell differentiation in hindbrain
GO:0055010	ventricular cardiac muscle tissue morphogenesis
GO:0006289	nucleotide-excision repair
ENSG00000057468	MSH4 PPI subnetwork
MP:0005445	abnormal neurotransmitter secretion

GO:0030239	myofibril assembly
GO:0022406	membrane docking
GO:0016574	histone ubiquitination
ENSG00000050405	LIMA1 PPI subnetwork
ENSG00000115977	AAK1 PPI subnetwork
KEGG_PHOSPHATIDYLINOSITOL_SIGNALING	KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM
MP:0002766	situs inversus
GO:0043484	regulation of RNA splicing
ENSG00000203814	HIST2H2BF PPI subnetwork
ENSG00000197780	TAF13 PPI subnetwork
ENSG00000127914	AKAP9 PPI subnetwork
ENSG00000104131	EIF3J PPI subnetwork
ENSG00000178913	TAF7 PPI subnetwork
GO:0007585	respiratory gaseous exchange
GO:0015934	large ribosomal subunit
REACTOME_GOLGI_ASSOCIATED_VESICLE_I	REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS
GO:0030705	cytoskeleton-dependent intracellular transport
GO:0006325	chromatin organization
GO:0007368	determination of left/right symmetry
ENSG00000171533	MAP6 PPI subnetwork
GO:0060026	convergent extension
ENSG00000184486	POU3F2 PPI subnetwork
ENSG00000151164	RAD9B PPI subnetwork
ENSG00000198898	CAPZA2 PPI subnetwork
KEGG_PROGESTERONE_MEDIATED_OOCYT	KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
GO:0046782	regulation of viral transcription
ENSG00000177301	KCNA2 PPI subnetwork
ENSG00000168118	RAB4A PPI subnetwork
ENSG00000089053	ANAPC5 PPI subnetwork
GO:0000314	organellar small ribosomal subunit
GO:0005763	mitochondrial small ribosomal subunit
MP:0005191	head tilt
ENSG00000132109	TRIM21 PPI subnetwork
ENSG00000157087	ATP2B2 PPI subnetwork
ENSG00000117748	RPA2 PPI subnetwork
ENSG00000164889	SLC4A2 PPI subnetwork
GO:0055003	cardiac myofibril assembly
ENSG00000121152	NCAPH PPI subnetwork
GO:0032925	regulation of activin receptor signaling pathway
ENSG00000143549	TPM3 PPI subnetwork
GO:0060053	neurofilament cytoskeleton
ENSG00000118680	MYL12B PPI subnetwork
ENSG00000177302	TOP3A PPI subnetwork
ENSG00000180628	PCGF5 PPI subnetwork
GO:0044304	main axon
GO:0006692	prostanoid metabolic process
ENSG00000141026	MED9 PPI subnetwork
GO:0032154	cleavage furrow
GO:0060325	face morphogenesis
REACTOME_TRANSMISSION_ACROSS_CHEM	REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES

MP:0009886	failure of palatal shelf elevation
ENSG00000173163	COMMD1 PPI subnetwork
MP:0009712	impaired conditioned place preference behavior
GO:0043299	leukocyte degranulation
GO:0031674	I band
GO:0070193	synaptonemal complex organization
GO:0048194	Golgi vesicle budding
GO:0032272	negative regulation of protein polymerization
REACTOME_DSCAM_INTERACTIONS	REACTOME_DSCAM_INTERACTIONS
MP:0001516	abnormal motor coordination/ balance
GO:0006283	transcription-coupled nucleotide-excision repair
MP:0002066	abnormal motor capabilities/coordination/movement
GO:0060271	cilium morphogenesis
ENSG00000114670	NEK11 PPI subnetwork
GO:0000959	mitochondrial RNA metabolic process
ENSG00000076554	TPD52 PPI subnetwork
ENSG00000152556	PFKM PPI subnetwork
ENSG00000168556	ING2 PPI subnetwork
ENSG00000069869	NEDD4 PPI subnetwork
ENSG00000115252	PDE1A PPI subnetwork
GO:0021549	cerebellum development
ENSG00000105509	HAS1 PPI subnetwork
GO:0006887	exocytosis
GO:0048011	nerve growth factor receptor signaling pathway
GO:0048009	insulin-like growth factor receptor signaling pathway
GO:0005200	structural constituent of cytoskeleton
GO:0035587	purinergic receptor signaling pathway
GO:0001774	microglial cell activation
GO:0000279	M phase
ENSG00000015153	YAF2 PPI subnetwork
ENSG00000183395	PMCH PPI subnetwork
REACTOME_DOWNSTREAM_TCR_SIGNALIN	REACTOME_DOWNSTREAM_TCR_SIGNALING
GO:2000104	negative regulation of DNA-dependent DNA replication
MP:0008083	decreased single-positive T cell number
ENSG00000120254	MTHFD1L PPI subnetwork
ENSG00000198000	NOL8 PPI subnetwork
GO:0031341	regulation of cell killing
GO:0006446	regulation of translational initiation
ENSG00000187790	FANCM PPI subnetwork
GO:0005523	tropomyosin binding
MP:0001706	abnormal left-right axis patterning
ENSG00000145494	NDUFS6 PPI subnetwork
GO:0014047	glutamate secretion
GO:0009898	internal side of plasma membrane
ENSG00000112739	PRPF4B PPI subnetwork
REACTOME_PLCG1_EVENTS_IN_ERBB2_SIG	REACTOME_PLCG1_EVENTS_IN_ERBB2_SIGNALING
ENSG00000106665	CLIP2 PPI subnetwork
ENSG00000212868	ENSG00000212868 PPI subnetwork
ENSG00000198727	MT-CYB PPI subnetwork
GO:0007030	Golgi organization

KEGG_HOMOLOGOUS_RECOMBINATION	KEGG_HOMOLOGOUS_RECOMBINATION
GO:0051494	negative regulation of cytoskeleton organization
ENSG00000131381	ZFYVE20 PPI subnetwork
GO:0034622	cellular macromolecular complex assembly
MP:0004811	abnormal neuron physiology
ENSG00000112237	CCNC PPI subnetwork
GO:0009083	branched chain family amino acid catabolic process
GO:0043242	negative regulation of protein complex disassembly
MP:0004173	abnormal intervertebral disk morphology
GO:0030073	insulin secretion
GO:0006360	transcription from RNA polymerase I promoter
ENSG00000164032	H2AFZ PPI subnetwork
GO:0007193	adenylate cyclase-inhibiting G-protein coupled receptor signal
KEGG_ASTHMA	KEGG_ASTHMA
GO:0004690	cyclic nucleotide-dependent protein kinase activity
GO:0048200	Golgi transport vesicle coating
GO:0048205	COPI coating of Golgi vesicle
GO:0035964	COPI-coated vesicle budding
GO:0006754	ATP biosynthetic process
GO:0000159	protein phosphatase type 2A complex
GO:0005891	voltage-gated calcium channel complex
MP:0002286	cryptorchism
GO:0072075	metanephric mesenchyme development
ENSG00000182185	RAD51B PPI subnetwork
GO:0048701	embryonic cranial skeleton morphogenesis
ENSG00000105695	MAG PPI subnetwork
GO:0009156	ribonucleoside monophosphate biosynthetic process
ENSG00000129562	DAD1 PPI subnetwork
REACTOME_TRANSLOCATION_OF_ZAP:70_	REACTOME_TRANSLOCATION_OF_ZAP:70_TO_IMMUNOLOGI
ENSG00000167674	ENSG00000167674 PPI subnetwork
ENSG00000091106	NLRC4 PPI subnetwork
MP:0001363	increased anxiety-related response
MP:0002920	decreased paired-pulse facilitation
MP:0001406	abnormal gait
ENSG00000178028	DMAP1 PPI subnetwork
GO:0008135	translation factor activity, nucleic acid binding
ENSG00000187953	ENSG00000187953 PPI subnetwork
ENSG00000122512	PMS2 PPI subnetwork
GO:0033522	histone H2A ubiquitination
GO:0050771	negative regulation of axonogenesis
ENSG00000089250	NOS1 PPI subnetwork
GO:0045980	negative regulation of nucleotide metabolic process
GO:0015800	acidic amino acid transport
GO:0009954	proximal/distal pattern formation
GO:0051298	centrosome duplication
ENSG00000117533	VAMP4 PPI subnetwork
ENSG00000121481	RNF2 PPI subnetwork
GO:0030833	regulation of actin filament polymerization
GO:0021984	adenohypophysis development
ENSG00000105402	NAPA PPI subnetwork

ENSG00000180182	MED14 PPI subnetwork
MP:0008261	arrest of male meiosis
GO:0006362	transcription elongation from RNA polymerase I promoter
ENSG00000152944	MED21 PPI subnetwork
ENSG00000163939	PBRM1 PPI subnetwork
ENSG00000137672	TRPC6 PPI subnetwork
GO:0032981	mitochondrial respiratory chain complex I assembly
GO:0010257	NADH dehydrogenase complex assembly
GO:0097031	mitochondrial respiratory chain complex I biogenesis
REACTOME_DCC_MEDIATED_ATTRACTIVE_	REACTOME_DCC_MEDIATED_ATTRACTIVE_SIGNALING
GO:0006402	mRNA catabolic process
GO:0030219	megakaryocyte differentiation
GO:0007128	meiotic prophase I
GO:0072657	protein localization in membrane
GO:0003016	respiratory system process
GO:0070507	regulation of microtubule cytoskeleton organization
ENSG00000106976	DNM1 PPI subnetwork
GO:0043195	terminal button
GO:0072332	signal transduction by p53 class mediator resulting in inductio
GO:0003208	cardiac ventricle morphogenesis
GO:2000677	regulation of transcription regulatory region DNA binding
REACTOME_NETRIN:1_SIGNALING	REACTOME_NETRIN:1_SIGNALING
GO:0016655	oxidoreductase activity, acting on NADH or NADPH, quinone o
ENSG00000175602	CCDC85B PPI subnetwork
GO:0051193	regulation of cofactor metabolic process
GO:0051196	regulation of coenzyme metabolic process
ENSG00000160563	MED27 PPI subnetwork
ENSG00000108387	SEPT4 PPI subnetwork
GO:0032313	regulation of Rab GTPase activity
GO:0032483	regulation of Rab protein signal transduction
MP:0008267	abnormal hippocampus CA3 region morphology
MP:0006113	abnormal heart septum morphology
GO:0008277	regulation of G-protein coupled receptor protein signaling pat
ENSG00000147416	ATP6V1B2 PPI subnetwork
GO:0045060	negative thymic T cell selection
ENSG00000164975	SNAPC3 PPI subnetwork
ENSG00000037042	TUBG2 PPI subnetwork
ENSG00000206210	ENSG00000206210 PPI subnetwork
ENSG00000206282	RGL2 PPI subnetwork
REACTOME_SIGNALING_BY_INSULIN_RECEI	REACTOME_SIGNALING_BY_INSULIN_RECEPTOR
ENSG00000078295	ADCY2 PPI subnetwork
GO:0030667	secretory granule membrane
ENSG00000158022	TRIM63 PPI subnetwork
GO:0030800	negative regulation of cyclic nucleotide metabolic process
GO:0030809	negative regulation of nucleotide biosynthetic process
GO:0030803	negative regulation of cyclic nucleotide biosynthetic process
ENSG00000215719	ENSG00000215719 PPI subnetwork
GO:0034704	calcium channel complex
GO:0001840	neural plate development
GO:0042613	MHC class II protein complex

MP:0009434	paraparesis
GO:0046415	urate metabolic process
GO:0030818	negative regulation of cAMP biosynthetic process
GO:0030815	negative regulation of cAMP metabolic process
GO:0044297	cell body
ENSG00000116329	OPRD1 PPI subnetwork
ENSG00000113812	ACTR8 PPI subnetwork
GO:0061245	establishment or maintenance of bipolar cell polarity
GO:0035088	establishment or maintenance of apical/basal cell polarity
GO:0006893	Golgi to plasma membrane transport
ENSG00000088320	REM1 PPI subnetwork
ENSG00000012061	ERCC1 PPI subnetwork
GO:0015698	inorganic anion transport
ENSG00000167863	ATP5H PPI subnetwork
MP:0003063	increased coping response
GO:0009799	specification of symmetry
ENSG00000169750	RAC3 PPI subnetwork
GO:0006890	retrograde vesicle-mediated transport, Golgi to ER
GO:0090263	positive regulation of canonical Wnt receptor signaling pathwa
ENSG00000164061	BSN PPI subnetwork
GO:0030041	actin filament polymerization
GO:0015297	antiporter activity
GO:0005813	centrosome
GO:0016591	DNA-directed RNA polymerase II, holoenzyme
ENSG00000158623	COPG2 PPI subnetwork
ENSG00000214133	ENSG00000214133 PPI subnetwork
ENSG00000157500	APPL1 PPI subnetwork
GO:0000123	histone acetyltransferase complex
ENSG00000198888	MT-ND1 PPI subnetwork
GO:0007613	memory
GO:0046456	icosanoid biosynthetic process
ENSG00000141522	ARHGDIA PPI subnetwork
GO:0018205	peptidyl-lysine modification
ENSG00000099800	TIMM13 PPI subnetwork
ENSG00000130429	ARPC1B PPI subnetwork
GO:0000209	protein polyubiquitination
GO:0048742	regulation of skeletal muscle fiber development
ENSG00000108264	TADA2A PPI subnetwork
GO:0005859	muscle myosin complex
ENSG00000159840	ZYX PPI subnetwork
GO:0006282	regulation of DNA repair
ENSG00000104637	ENSG00000104637 PPI subnetwork
GO:0003746	translation elongation factor activity
ENSG00000104064	GABPB1 PPI subnetwork
ENSG00000185130	HIST1H2BL PPI subnetwork
GO:0044087	regulation of cellular component biogenesis
REACTOME_EGFR_INTERACTS_WITH_PHOS	REACTOME_EGFR_INTERACTS_WITH_PHOSPHOLIPASE_C:GAM
MP:0005431	decreased oocyte number
ENSG00000005249	PRKAR2B PPI subnetwork
GO:0004385	guanylate kinase activity

ENSG00000173598	NUDT4 PPI subnetwork
ENSG00000206429	ENSG00000206429 PPI subnetwork
ENSG00000066379	ZNRD1 PPI subnetwork
ENSG00000206502	ZNRD1 PPI subnetwork
GO:0032098	regulation of appetite
ENSG00000154174	TOMM70A PPI subnetwork
ENSG00000171848	RRM2 PPI subnetwork
GO:0008353	RNA polymerase II carboxy-terminal domain kinase activity
MP:0011501	increased glomerular capsule space
ENSG00000085733	CTTN PPI subnetwork
GO:0043046	DNA methylation involved in gamete generation
MP:0004485	increased response of heart to induced stress
REACTOME_ACETYLCHOLINE_NEUROTRANS	REACTOME_ACETYLCHOLINE_NEUROTRANSMITTER_RELEASE_
GO:0010824	regulation of centrosome duplication
GO:0030031	cell projection assembly
ENSG00000148229	POLE3 PPI subnetwork
GO:0048635	negative regulation of muscle organ development
GO:0031432	titin binding
ENSG00000160014	CALM3 PPI subnetwork
ENSG00000143933	CALM2 PPI subnetwork
ENSG00000198668	CALM1 PPI subnetwork
GO:0008601	protein phosphatase type 2A regulator activity
GO:0004527	exonuclease activity
GO:0006914	autophagy
GO:0007271	synaptic transmission, cholinergic
GO:0033572	transferrin transport
GO:0015682	ferric iron transport
MP:0002948	abnormal neuron specification
ENSG00000158373	HIST1H2BD PPI subnetwork
GO:0021879	forebrain neuron differentiation
GO:0032886	regulation of microtubule-based process
ENSG00000131100	ATP6V1E1 PPI subnetwork
GO:0016605	PML body
ENSG00000196374	HIST1H2BM PPI subnetwork
ENSG00000078018	MAP2 PPI subnetwork
ENSG00000131652	THOC6 PPI subnetwork
GO:0006415	translational termination
GO:0010927	cellular component assembly involved in morphogenesis
REACTOME_TCR_SIGNALING	REACTOME_TCR_SIGNALING
GO:0001158	enhancer sequence-specific DNA binding
GO:0007017	microtubule-based process
MP:0005587	abnormal Meckel's cartilage morphology
ENSG00000179841	AKAP5 PPI subnetwork
GO:0001913	T cell mediated cytotoxicity
KEGG_BASAL_TRANSCRIPTION_FACTORS	KEGG_BASAL_TRANSCRIPTION_FACTORS
MP:0004859	abnormal synaptic plasticity
GO:0050767	regulation of neurogenesis
MP:0000243	myoclonus
ENSG00000198728	LDB1 PPI subnetwork
GO:0009855	determination of bilateral symmetry

ENSG00000051180	RAD51 PPI subnetwork
ENSG00000164758	MED30 PPI subnetwork
GO:0006370	mRNA capping
GO:0061387	regulation of extent of cell growth
ENSG00000117410	ATP6V0B PPI subnetwork
MP:0001491	unresponsive to tactile stimuli
GO:0034976	response to endoplasmic reticulum stress
GO:0008328	ionotropic glutamate receptor complex
GO:0006740	NADPH regeneration
MP:0001384	abnormal pup retrieval
ENSG00000183049	CAMK1D PPI subnetwork
GO:0051297	centrosome organization
GO:0034502	protein localization to chromosome
GO:0055012	ventricular cardiac muscle cell differentiation
REACTOME_EICOSANOID_LIGAND:BINDING	REACTOME_EICOSANOID_LIGAND:BINDING_RECEPTORS
GO:0005245	voltage-gated calcium channel activity
MP:0000967	abnormal sensory neuron projections
ENSG00000107282	APBA1 PPI subnetwork
ENSG00000134574	DDB2 PPI subnetwork
ENSG00000104388	RAB2A PPI subnetwork
ENSG00000130772	MED18 PPI subnetwork
GO:0051875	pigment granule localization
GO:0006206	pyrimidine base metabolic process
ENSG00000168522	FNTA PPI subnetwork
GO:0001505	regulation of neurotransmitter levels
ENSG00000177485	ZBTB33 PPI subnetwork
GO:0033059	cellular pigmentation
ENSG00000013503	POLR3B PPI subnetwork
ENSG00000196510	ANAPC7 PPI subnetwork
GO:0048675	axon extension
GO:0006401	RNA catabolic process
GO:0005251	delayed rectifier potassium channel activity
GO:0051592	response to calcium ion
ENSG00000172020	GAP43 PPI subnetwork
ENSG00000143771	CNIH4 PPI subnetwork
GO:0007286	spermatid development
GO:0043486	histone exchange
GO:0016311	dephosphorylation
GO:0009167	purine ribonucleoside monophosphate metabolic process
GO:0009126	purine nucleoside monophosphate metabolic process
ENSG00000088832	FKBP1A PPI subnetwork
ENSG00000095564	BTAF1 PPI subnetwork
REACTOME_CA:DEPENDENT_EVENTS	REACTOME_CA:DEPENDENT_EVENTS
ENSG00000181555	SETD2 PPI subnetwork
MP:0001963	abnormal hearing physiology
GO:0006475	internal protein amino acid acetylation
GO:0070192	chromosome organization involved in meiosis
ENSG00000138041	SMEK2 PPI subnetwork
GO:0045022	early endosome to late endosome transport
ENSG00000100796	SMEK1 PPI subnetwork

GO:0006368	transcription elongation from RNA polymerase II promoter
REACTOME_REGULATION_OF_AMPK_ACTI\	REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_LKB1
GO:0051321	meiotic cell cycle
ENSG00000177889	UBE2N PPI subnetwork
ENSG00000159199	ATP5G1 PPI subnetwork
GO:0044349	DNA excision
GO:0000718	nucleotide-excision repair, DNA damage removal
ENSG00000135945	REV1 PPI subnetwork
ENSG00000100146	SOX10 PPI subnetwork
GO:0043101	purine-containing compound salvage
GO:0048665	neuron fate specification
ENSG00000092203	TOX4 PPI subnetwork
ENSG00000135823	STX6 PPI subnetwork
GO:0022625	cytosolic large ribosomal subunit
GO:0045672	positive regulation of osteoclast differentiation
ENSG00000215305	VPS16 PPI subnetwork
ENSG00000104725	ENSG00000104725 PPI subnetwork
GO:0032982	myosin filament
ENSG00000185920	PTCH1 PPI subnetwork
ENSG00000123562	MORF4L2 PPI subnetwork
GO:0045333	cellular respiration
GO:0031032	actomyosin structure organization
MP:0010403	atrial septal defect
GO:0009452	RNA capping
GO:0006836	neurotransmitter transport
ENSG00000172943	PHF8 PPI subnetwork
MP:0000644	dextrocardia
GO:0006473	protein acetylation
GO:0021954	central nervous system neuron development
REACTOME_NITRIC_OXIDE_STIMULATES_G	REACTOME_NITRIC_OXIDE_STIMULATES_GUANYLATE_CYCLAS
GO:0007006	mitochondrial membrane organization
MP:0003996	clonic seizures
GO:0007026	negative regulation of microtubule depolymerization
GO:0005840	ribosome
GO:0006098	pentose-phosphate shunt
GO:0006892	post-Golgi vesicle-mediated transport
MP:0002914	abnormal endplate potential
ENSG00000132664	POLR3F PPI subnetwork
GO:0006505	GPI anchor metabolic process
GO:0048193	Golgi vesicle transport
ENSG00000115310	RTN4 PPI subnetwork
GO:0051648	vesicle localization
GO:0071174	mitotic cell cycle spindle checkpoint
ENSG00000139318	DUSP6 PPI subnetwork
GO:0045666	positive regulation of neuron differentiation
ENSG00000169020	ATP5I PPI subnetwork
ENSG00000196284	SUPT3H PPI subnetwork
ENSG00000006451	RALA PPI subnetwork
GO:0006493	protein O-linked glycosylation
GO:0005819	spindle

ENSG00000105085	MED26 PPI subnetwork
REACTOME_TANDEM_PORE_DOMAIN_POT	REACTOME_TANDEM_PORE_DOMAIN_POTASSIUM_CHANNEI
ENSG00000090615	GOLGA3 PPI subnetwork
GO:0034620	cellular response to unfolded protein
GO:0030968	endoplasmic reticulum unfolded protein response
GO:0006413	translational initiation
GO:0061025	membrane fusion
GO:0043368	positive T cell selection
GO:0016236	macroautophagy
GO:0006691	leukotriene metabolic process
GO:0043449	cellular alkene metabolic process
GO:0048485	sympathetic nervous system development
GO:0051925	regulation of calcium ion transport via voltage-gated calcium c
ENSG00000185024	BRF1 PPI subnetwork
GO:0005814	centriole
MP:0000194	hypercalcemia
GO:0044455	mitochondrial membrane part
GO:0001975	response to amphetamine
ENSG00000010803	SCMH1 PPI subnetwork
GO:0000313	organellar ribosome
GO:0005761	mitochondrial ribosome
ENSG00000167283	ATP5L PPI subnetwork
MP:0002980	abnormal postural reflex
GO:0035329	hippo signaling cascade
GO:0001104	RNA polymerase II transcription cofactor activity
GO:0031346	positive regulation of cell projection organization
GO:0051153	regulation of striated muscle cell differentiation
GO:0009168	purine ribonucleoside monophosphate biosynthetic process
GO:0009127	purine nucleoside monophosphate biosynthetic process
GO:0032400	melanosome localization
ENSG00000139112	GABARAPL1 PPI subnetwork
GO:0019083	viral transcription
GO:0019080	viral genome expression
GO:0009201	ribonucleoside triphosphate biosynthetic process
MP:0000886	abnormal cerebellar granule layer
ENSG00000063322	MED29 PPI subnetwork
ENSG00000101150	TPD52L2 PPI subnetwork
GO:0045665	negative regulation of neuron differentiation
ENSG00000124097	ENSG00000124097 PPI subnetwork
ENSG00000103460	TOX3 PPI subnetwork
ENSG00000198846	TOX PPI subnetwork
MP:0000947	convulsive seizures
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYN
ENSG00000152413	HOMER1 PPI subnetwork
ENSG00000150086	GRIN2B PPI subnetwork
MP:0002572	abnormal emotion/affect behavior
MP:0003862	decreased aggression towards males
GO:0043113	receptor clustering
MP:0003990	decreased neurotransmitter release
MP:0002826	tonic seizures

GO:0021781	glial cell fate commitment
GO:0051650	establishment of vesicle localization
KEGG_VIBRIO_CHOLERAE_INFECTION	KEGG_VIBRIO_CHOLERAE_INFECTION
GO:0006310	DNA recombination
ENSG00000161956	SENP3 PPI subnetwork
GO:0000724	double-strand break repair via homologous recombination
GO:0016339	calcium-dependent cell-cell adhesion
GO:0002381	immunoglobulin production involved in immunoglobulin medi
ENSG00000101421	CHMP4B PPI subnetwork
GO:0005242	inward rectifier potassium channel activity
ENSG00000167461	RAB8A PPI subnetwork
GO:0050654	chondroitin sulfate proteoglycan metabolic process
REACTOME_GABA_RECEPTOR_ACTIVATION	REACTOME_GABA_RECEPTOR_ACTIVATION
GO:0046605	regulation of centrosome cycle
ENSG00000106400	ZNHIT1 PPI subnetwork
GO:0015807	L-amino acid transport
ENSG00000108848	LUC7L3 PPI subnetwork
ENSG00000080802	CNOT4 PPI subnetwork
ENSG00000033122	LRRC7 PPI subnetwork
GO:0006968	cellular defense response
GO:0001502	cartilage condensation
GO:0031023	microtubule organizing center organization
REACTOME_MEIOSIS	REACTOME_MEIOSIS
ENSG00000175221	MED16 PPI subnetwork
GO:0043218	compact myelin
GO:0019888	protein phosphatase regulator activity
ENSG00000204227	RING1 PPI subnetwork
ENSG00000206215	ENSG00000206215 PPI subnetwork
ENSG00000206287	RING1 PPI subnetwork
GO:0047496	vesicle transport along microtubule
GO:0060079	regulation of excitatory postsynaptic membrane potential
GO:0051969	regulation of transmission of nerve impulse
ENSG00000100968	NFATC4 PPI subnetwork
GO:0043966	histone H3 acetylation
GO:0000307	cyclin-dependent protein kinase holoenzyme complex
ENSG00000161040	FBXL13 PPI subnetwork
GO:0016050	vesicle organization
GO:0033177	proton-transporting two-sector ATPase complex, proton-trans
GO:0043383	negative T cell selection
ENSG00000126583	PRKCG PPI subnetwork
GO:0019003	GDP binding
GO:0031294	lymphocyte costimulation
GO:0031295	T cell costimulation
GO:0045744	negative regulation of G-protein coupled receptor protein sign
GO:0006352	transcription initiation, DNA-dependent
ENSG00000023228	NDUFS1 PPI subnetwork
GO:0035967	cellular response to topologically incorrect protein
GO:0043543	protein acylation
GO:0042491	auditory receptor cell differentiation
ENSG00000089094	KDM2B PPI subnetwork

GO:0016358	dendrite development
GO:0019228	regulation of action potential in neuron
GO:0005815	microtubule organizing center
GO:0021988	olfactory lobe development
GO:0021772	olfactory bulb development
GO:0048704	embryonic skeletal system morphogenesis
ENSG00000147684	NDUFB9 PPI subnetwork
ENSG00000128908	INO80 PPI subnetwork
ENSG00000186051	TAL2 PPI subnetwork
ENSG00000080603	SRCAP PPI subnetwork
ENSG00000138180	CEP55 PPI subnetwork
ENSG00000141552	ANAPC11 PPI subnetwork
ENSG00000067836	ROGDI PPI subnetwork
GO:0032012	regulation of ARF protein signal transduction
MP:0002913	abnormal PNS synaptic transmission
GO:0060324	face development
ENSG00000124635	HIST1H2BJ PPI subnetwork
GO:0005942	phosphatidylinositol 3-kinase complex
GO:0007094	mitotic cell cycle spindle assembly checkpoint
ENSG00000136810	TXN PPI subnetwork
ENSG00000102189	EEA1 PPI subnetwork
ENSG00000196501	ENSG00000196501 PPI subnetwork
GO:0050803	regulation of synapse structure and activity
ENSG00000141570	CBX8 PPI subnetwork
ENSG00000196277	GRM7 PPI subnetwork
MP:0001525	impaired balance
MP:0001489	decreased startle reflex
ENSG00000136044	APPL2 PPI subnetwork
ENSG00000197597	ENSG00000197597 PPI subnetwork
ENSG00000115289	PCGF1 PPI subnetwork
GO:0006470	protein dephosphorylation
GO:0045841	negative regulation of mitotic metaphase/anaphase transition
REACTOME_GENERATION_OF_SECOND_ME	REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLEC
ENSG00000072315	TRPC5 PPI subnetwork
GO:0016444	somatic cell DNA recombination
GO:0002562	somatic diversification of immune receptors via germline reco
GO:0001637	G-protein coupled chemoattractant receptor activity
GO:0004950	chemokine receptor activity
GO:0021953	central nervous system neuron differentiation
ENSG00000196890	HIST3H2BB PPI subnetwork
ENSG00000183495	EP400 PPI subnetwork
GO:0045639	positive regulation of myeloid cell differentiation
ENSG00000117385	LEPRE1 PPI subnetwork
GO:0015298	solute:cation antiporter activity
GO:0009142	nucleoside triphosphate biosynthetic process
GO:0033555	multicellular organismal response to stress
GO:0060078	regulation of postsynaptic membrane potential
GO:0019861	flagellum
REACTOME_MTOR_SIGNALLING	REACTOME_MTOR_SIGNALLING
ENSG00000176788	BASP1 PPI subnetwork

MP:0002804	abnormal motor learning
GO:0051983	regulation of chromosome segregation
ENSG00000007968	E2F2 PPI subnetwork
GO:0007034	vacuolar transport
ENSG00000100387	RBX1 PPI subnetwork
MP:0003313	abnormal locomotor activation
GO:0044243	multicellular organismal catabolic process
ENSG00000135624	CCT7 PPI subnetwork
ENSG00000137055	PLAA PPI subnetwork
GO:0035966	response to topologically incorrect protein
ENSG00000111752	PHC1 PPI subnetwork
GO:0021756	striatum development
ENSG00000011485	PPP5C PPI subnetwork
GO:0010970	microtubule-based transport
MP:0005236	abnormal olfactory nerve morphology
ENSG00000182255	KCNA4 PPI subnetwork
ENSG00000002016	RAD52 PPI subnetwork
ENSG00000089169	RPH3A PPI subnetwork
GO:0030018	Z disc
GO:0005104	fibroblast growth factor receptor binding
GO:0000236	mitotic prometaphase
GO:0007126	meiosis
GO:0051327	M phase of meiotic cell cycle
ENSG00000164258	NDUFS4 PPI subnetwork
GO:0006383	transcription from RNA polymerase III promoter
GO:0009109	coenzyme catabolic process
GO:0014073	response to tropane
GO:0042220	response to cocaine
GO:0033108	mitochondrial respiratory chain complex assembly
ENSG00000170734	POLH PPI subnetwork
KEGG_ALZHEIMERS_DISEASE	KEGG_ALZHEIMERS_DISEASE
GO:0031333	negative regulation of protein complex assembly
GO:0015812	gamma-aminobutyric acid transport
GO:0006582	melanin metabolic process
ENSG00000115760	BIRC6 PPI subnetwork
ENSG00000158290	CUL4B PPI subnetwork
ENSG00000136146	MED4 PPI subnetwork
ENSG00000133398	MED10 PPI subnetwork
ENSG00000215120	ENSG00000215120 PPI subnetwork
GO:0006301	postreplication repair
MP:0005403	abnormal nerve conduction
ENSG00000125814	NAPB PPI subnetwork
ENSG00000167774	NDUFA7 PPI subnetwork
GO:0044462	external encapsulating structure part
GO:0030313	cell envelope
GO:0000288	nuclear-transcribed mRNA catabolic process, deadenylation-d
GO:0016471	vacuolar proton-transporting V-type ATPase complex
GO:0009206	purine ribonucleoside triphosphate biosynthetic process
GO:0019212	phosphatase inhibitor activity
MP:0002894	abnormal otolith morphology

ENSG00000165629	ATP5C1 PPI subnetwork
GO:0034080	CenH3-containing nucleosome assembly at centromere
GO:0034724	DNA replication-independent nucleosome organization
GO:0006336	DNA replication-independent nucleosome assembly
GO:0009145	purine nucleoside triphosphate biosynthetic process
ENSG00000124702	KLHDC3 PPI subnetwork
ENSG00000144597	EAF1 PPI subnetwork
GO:0050434	positive regulation of viral transcription
GO:0018393	internal peptidyl-lysine acetylation
ENSG00000100554	ATP6V1D PPI subnetwork
MP:0004725	decreased platelet serotonin level
ENSG00000213496	ENSG00000213496 PPI subnetwork
GO:0061077	chaperone-mediated protein folding
GO:0015491	cation:cation antiporter activity
GO:0031055	chromatin remodeling at centromere
GO:0007218	neuropeptide signaling pathway
GO:0060590	ATPase regulator activity
GO:0016197	endosomal transport
GO:0009225	nucleotide-sugar metabolic process
GO:0032412	regulation of ion transmembrane transporter activity
GO:0060113	inner ear receptor cell differentiation
GO:0071173	spindle assembly checkpoint
GO:0030032	lamellipodium assembly
ENSG00000175305	CCNE2 PPI subnetwork
GO:0048706	embryonic skeletal system development
ENSG00000213023	SYT3 PPI subnetwork
ENSG00000128524	ATP6V1F PPI subnetwork
ENSG00000171723	GPHN PPI subnetwork
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
GO:0043254	regulation of protein complex assembly
KEGG_CARDIAC_MUSCLE_CONTRACTION	KEGG_CARDIAC_MUSCLE_CONTRACTION
GO:0006323	DNA packaging
GO:0031280	negative regulation of cyclase activity
GO:0007194	negative regulation of adenylate cyclase activity
GO:0048024	regulation of nuclear mRNA splicing, via spliceosome
ENSG00000077080	ACTL6B PPI subnetwork
ENSG00000155111	CDK19 PPI subnetwork
ENSG00000108510	MED13 PPI subnetwork
GO:0045061	thymic T cell selection
GO:0015838	betaine transport
GO:0015879	carnitine transport
GO:0004115	3',5'-cyclic-AMP phosphodiesterase activity
ENSG00000091428	RAPGEF4 PPI subnetwork
MP:0005353	abnormal patella morphology
ENSG00000008277	ADAM22 PPI subnetwork
ENSG00000136504	KAT7 PPI subnetwork
GO:0071103	DNA conformation change
GO:0019370	leukotriene biosynthetic process
GO:0043450	alkene biosynthetic process
GO:0030518	intracellular steroid hormone receptor signaling pathway

GO:0043954	cellular component maintenance
MP:0002666	increased circulating aldosterone level
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCL	REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
GO:0051640	organelle localization
GO:0006099	tricarboxylic acid cycle
GO:0042119	neutrophil activation
GO:0042693	muscle cell fate commitment
ENSG00000092470	WDR76 PPI subnetwork
GO:0006944	cellular membrane fusion
GO:0021952	central nervous system projection neuron axonogenesis
ENSG00000114698	PLSCR4 PPI subnetwork
GO:0016180	snRNA processing
ENSG00000198722	UNC13B PPI subnetwork
ENSG00000128340	RAC2 PPI subnetwork
ENSG00000075089	ACTR6 PPI subnetwork
GO:0072529	pyrimidine-containing compound catabolic process
ENSG00000136238	RAC1 PPI subnetwork
MP:0002910	abnormal excitatory postsynaptic currents
GO:0046356	acetyl-CoA catabolic process
ENSG00000130699	TAF4 PPI subnetwork
GO:0050919	negative chemotaxis
ENSG00000164091	WDR82 PPI subnetwork
GO:0016073	snRNA metabolic process
ENSG00000137825	ITPKA PPI subnetwork
GO:0000725	recombinational repair
ENSG00000148297	MED22 PPI subnetwork
ENSG00000064300	NGFR PPI subnetwork
MP:0006358	absent pinna reflex
GO:0018149	peptide cross-linking
MP:0006397	disorganized long bone epiphyseal plate
GO:0003735	structural constituent of ribosome
GO:0000083	regulation of transcription involved in G1/S phase of mitotic ce
GO:0030259	lipid glycosylation
ENSG00000213465	ARL2 PPI subnetwork
ENSG00000164104	HMGB2 PPI subnetwork
ENSG00000130288	ENSG00000130288 PPI subnetwork
ENSG00000111450	STX2 PPI subnetwork
ENSG00000148606	POLR3A PPI subnetwork
GO:0021889	olfactory bulb interneuron differentiation
ENSG00000140416	TPM1 PPI subnetwork
ENSG00000167645	YIF1B PPI subnetwork
ENSG00000196470	SIAH1 PPI subnetwork
GO:0034453	microtubule anchoring
GO:0006497	protein lipidation
GO:0008408	3'-5' exonuclease activity
MP:0000955	abnormal spinal cord morphology
GO:0007091	mitotic metaphase/anaphase transition
ENSG00000075711	DLG1 PPI subnetwork
ENSG00000138758	SEPT11 PPI subnetwork
GO:0008066	glutamate receptor activity

GO:0070647	protein modification by small protein conjugation or removal
GO:0006986	response to unfolded protein
GO:0045494	photoreceptor cell maintenance
GO:0022898	regulation of transmembrane transporter activity
ENSG00000167641	PPP1R14A PPI subnetwork
GO:0043679	axon terminus
ENSG00000125249	RAP2A PPI subnetwork
GO:0055067	monovalent inorganic cation homeostasis
GO:0031954	positive regulation of protein autophosphorylation
GO:0051301	cell division
GO:0009060	aerobic respiration
REACTOME_UNBLOCKING_OF_NMDA_RECI	REACTOME_UNBLOCKING_OF_NMDA_RECEPTOR_GLUTAMAT
ENSG00000184983	NDUFA6 PPI subnetwork
GO:0006302	double-strand break repair
GO:0051966	regulation of synaptic transmission, glutamatergic
KEGG_TYPE_I_DIABETES_MELLITUS	KEGG_TYPE_I_DIABETES_MELLITUS
KEGG_HUNTINGTONS_DISEASE	KEGG_HUNTINGTONS_DISEASE
ENSG00000169139	UBE2V2 PPI subnetwork
GO:0042026	protein refolding
ENSG00000101442	ACTR5 PPI subnetwork
ENSG00000149295	DRD2 PPI subnetwork
GO:0001508	regulation of action potential
GO:0035249	synaptic transmission, glutamatergic
GO:0032467	positive regulation of cytokinesis
ENSG00000186230	ZNF749 PPI subnetwork
MP:0004405	absent cochlear hair cells
GO:0016567	protein ubiquitination
ENSG00000108262	GIT1 PPI subnetwork
GO:0015074	DNA integration
MP:0001360	abnormal social investigation
GO:0031109	microtubule polymerization or depolymerization
ENSG00000085276	MECOM PPI subnetwork
ENSG00000009413	REV3L PPI subnetwork
ENSG00000099624	ATP5D PPI subnetwork
GO:0005746	mitochondrial respiratory chain
ENSG00000198523	PLN PPI subnetwork
GO:0015300	solute:solute antiporter activity
GO:0045058	T cell selection
GO:0033176	proton-transporting V-type ATPase complex
ENSG00000056661	PCGF2 PPI subnetwork
GO:0007051	spindle organization
GO:0006506	GPI anchor biosynthetic process
ENSG00000115306	SPTBN1 PPI subnetwork
ENSG00000115286	NDUFS7 PPI subnetwork
GO:0042384	cilium assembly
MP:0000781	decreased corpus callosum size
ENSG00000113356	POLR3G PPI subnetwork
REACTOME_INSULIN_RECEPTOR_RECYCLIN	REACTOME_INSULIN_RECEPTOR_RECYCLING
REACTOME_RNA_POLYMERASE_I_TRANSCI	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION
GO:0008542	visual learning

GO:0002827	positive regulation of T-helper 1 type immune response
GO:0008088	axon cargo transport
MP:0003312	abnormal locomotor coordination
ENSG00000168959	GRM5 PPI subnetwork
GO:0006501	C-terminal protein lipidation
GO:0050686	negative regulation of mRNA processing
ENSG00000157388	CACNA1D PPI subnetwork
GO:0042596	fear response
GO:0006414	translational elongation
GO:0005798	Golgi-associated vesicle
ENSG00000133703	KRAS PPI subnetwork
GO:0031901	early endosome membrane
ENSG00000173805	HAP1 PPI subnetwork
GO:0008608	attachment of spindle microtubules to kinetochore
ENSG00000070182	SPTB PPI subnetwork
GO:0051350	negative regulation of lyase activity
ENSG00000132639	SNAP25 PPI subnetwork
ENSG00000100241	SBF1 PPI subnetwork
GO:0030983	mismatched DNA binding
GO:0051085	chaperone mediated protein folding requiring cofactor
GO:0006814	sodium ion transport
GO:0030534	adult behavior
ENSG00000025772	TOMM34 PPI subnetwork
GO:0051656	establishment of organelle localization
ENSG00000110717	NDUFS8 PPI subnetwork
MP:0001475	reduced long term depression
ENSG00000172794	RAB37 PPI subnetwork
MP:0005307	head tossing
GO:0006941	striated muscle contraction
MP:0000740	impaired smooth muscle contractility
ENSG00000198576	ARC PPI subnetwork
REACTOME_ENERGY_DEPENDENT_REGULA	REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_E
GO:0042597	periplasmic space
GO:0030288	outer membrane-bounded periplasmic space
GO:0000018	regulation of DNA recombination
MP:0008536	enlarged third ventricle
GO:0009260	ribonucleotide biosynthetic process
MP:0004901	decreased male germ cell number
GO:0015804	neutral amino acid transport
ENSG00000139116	KIF21A PPI subnetwork
GO:0001964	startle response
GO:0006661	phosphatidylinositol biosynthetic process
ENSG00000105968	H2AFV PPI subnetwork
ENSG00000144848	ATG3 PPI subnetwork
REACTOME_POST_NMDA_RECEPTOR_ACTI	REACTOME_POST_NMDA_RECEPTOR_ACTIVATION_EVENTS
GO:0050852	T cell receptor signaling pathway
GO:0021527	spinal cord association neuron differentiation
GO:0031111	negative regulation of microtubule polymerization or depolym
MP:0004101	abnormal brain interneuron morphology
ENSG00000065675	PRKCQ PPI subnetwork

ENSG00000198744	ENSG00000198744 PPI subnetwork
ENSG00000120875	DUSP4 PPI subnetwork
GO:0060198	clathrin sculpted vesicle
GO:0018394	peptidyl-lysine acetylation
GO:0007041	lysosomal transport
ENSG00000090266	NDUFB2 PPI subnetwork
ENSG00000165868	HSPA12A PPI subnetwork
MP:0004249	abnormal crista ampullaris morphology
MP:0009453	enhanced contextual conditioning behavior
ENSG00000091129	NRCAM PPI subnetwork
GO:0022904	respiratory electron transport chain
ENSG00000175595	ERCC4 PPI subnetwork
ENSG00000120889	TNFRSF10B PPI subnetwork
GO:0032446	protein modification by small protein conjugation
ENSG00000177189	RPS6KA3 PPI subnetwork
MP:0003635	abnormal synaptic transmission
GO:0043967	histone H4 acetylation
GO:0003207	cardiac chamber formation
GO:0051932	synaptic transmission, GABAergic
GO:0045664	regulation of neuron differentiation
GO:0006684	sphingomyelin metabolic process
ENSG00000139132	FGD4 PPI subnetwork
REACTOME_NEUROTRANSMITTER_RECEPT(	REACTOME_NEUROTRANSMITTER_RECEPTOR_BINDING_AND_
GO:0032228	regulation of synaptic transmission, GABAergic
ENSG00000149970	CNKSR2 PPI subnetwork
GO:0044306	neuron projection terminus
GO:0005876	spindle microtubule
GO:0031344	regulation of cell projection organization
GO:0070469	respiratory chain
ENSG00000160695	ENSG00000160695 PPI subnetwork
MP:0001968	abnormal touch/ nociception
GO:0017075	syntaxin-1 binding
REACTOME_LIGAND:GATED_ION_CHANNEL	REACTOME_LIGAND:GATED_ION_CHANNEL_TRANSPORT
GO:0045055	regulated secretory pathway
REACTOME_INSULIN_SYNTHESIS_AND_PRC	REACTOME_INSULIN_SYNTHESIS_AND_PROCESSING
ENSG00000154723	ATP5J PPI subnetwork
ENSG00000189043	NDUFA4 PPI subnetwork
ENSG00000164742	ADCY1 PPI subnetwork
GO:0030199	collagen fibril organization
GO:0008045	motor axon guidance
GO:0005246	calcium channel regulator activity
GO:0050860	negative regulation of T cell receptor signaling pathway
GO:0050858	negative regulation of antigen receptor-mediated signaling pa
ENSG00000155097	ATP6V1C1 PPI subnetwork
GO:0031577	spindle checkpoint
GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid se
GO:0005669	transcription factor TFIID complex
ENSG00000159164	SV2A PPI subnetwork
GO:0019829	cation-transporting ATPase activity
ENSG00000124172	ATP5E PPI subnetwork

ENSG00000104325	DECR1 PPI subnetwork
GO:0007127	meiosis I
ENSG00000156603	MED19 PPI subnetwork
ENSG00000171634	BPTF PPI subnetwork
GO:0003211	cardiac ventricle formation
ENSG00000122034	GTF3A PPI subnetwork
ENSG00000147123	NDUFB11 PPI subnetwork
MP:0001529	abnormal vocalization
GO:0008137	NADH dehydrogenase (ubiquinone) activity
GO:0050136	NADH dehydrogenase (quinone) activity
GO:0003954	NADH dehydrogenase activity
ENSG00000166136	NDUFB8 PPI subnetwork
GO:0030136	clathrin-coated vesicle
GO:0046633	alpha-beta T cell proliferation
GO:0043616	keratinocyte proliferation
GO:0006281	DNA repair
ENSG00000148468	FAM171A1 PPI subnetwork
GO:0032279	asymmetric synapse
GO:0022900	electron transport chain
GO:0004842	ubiquitin-protein ligase activity
GO:0006885	regulation of pH
ENSG00000033627	ATP6V0A1 PPI subnetwork
GO:0051294	establishment of spindle orientation
GO:0000132	establishment of mitotic spindle orientation
ENSG00000109390	NDUFC1 PPI subnetwork
GO:0016493	C-C chemokine receptor activity
GO:0002768	immune response-regulating cell surface receptor signaling pa
GO:0048284	organelle fusion
ENSG00000213672	NCKIPSD PPI subnetwork
KEGG_OOCYTE_MEIOSIS	KEGG_OOCYTE_MEIOSIS
GO:0051905	establishment of pigment granule localization
GO:0045454	cell redox homeostasis
GO:0007099	centriole replication
ENSG00000168539	CHRM1 PPI subnetwork
ENSG00000073969	NSF PPI subnetwork
ENSG00000079841	RIMS1 PPI subnetwork
GO:0050851	antigen receptor-mediated signaling pathway
GO:0000045	autophagic vacuole assembly
GO:0002429	immune response-activating cell surface receptor signaling pat
GO:0000217	DNA secondary structure binding
ENSG00000077522	ACTN2 PPI subnetwork
ENSG00000212876	ENSG00000212876 PPI subnetwork
ENSG00000198763	MT-ND2 PPI subnetwork
ENSG00000022355	GABRA1 PPI subnetwork
GO:0014902	myotube differentiation
GO:0005747	mitochondrial respiratory chain complex I
GO:0030964	NADH dehydrogenase complex
GO:0045271	respiratory chain complex I
ENSG00000066248	NGEF PPI subnetwork
ENSG00000165996	PTPLA PPI subnetwork

GO:0021517	ventral spinal cord development
ENSG00000119013	NDUFB3 PPI subnetwork
GO:0006184	GTP catabolic process
ENSG00000006740	ARHGAP44 PPI subnetwork
ENSG00000174851	YIF1A PPI subnetwork
GO:0090307	spindle assembly involved in mitosis
ENSG00000198695	MT-ND6 PPI subnetwork
ENSG00000212869	ENSG00000212869 PPI subnetwork
ENSG00000136521	NDUFB5 PPI subnetwork
GO:0032153	cell division site
GO:0032155	cell division site part
GO:0000289	nuclear-transcribed mRNA poly(A) tail shortening
ENSG00000100395	L3MBTL2 PPI subnetwork
ENSG00000049245	VAMP3 PPI subnetwork
GO:0016879	ligase activity, forming carbon-nitrogen bonds
ENSG00000125356	NDUFA1 PPI subnetwork
ENSG00000156467	UQCRB PPI subnetwork
ENSG00000159186	ENSG00000159186 PPI subnetwork
ENSG00000183648	NDUFB1 PPI subnetwork
ENSG00000181790	BAI1 PPI subnetwork
GO:0042490	mechanoreceptor differentiation
GO:0005231	excitatory extracellular ligand-gated ion channel activity
GO:0050807	regulation of synapse organization
GO:0035914	skeletal muscle cell differentiation
ENSG00000139842	CUL4A PPI subnetwork
GO:0030665	clathrin coated vesicle membrane
GO:0015078	hydrogen ion transmembrane transporter activity
ENSG00000198840	MT-ND3 PPI subnetwork
ENSG00000198868	ENSG00000198868 PPI subnetwork
ENSG00000212872	ENSG00000212872 PPI subnetwork
ENSG00000212871	ENSG00000212871 PPI subnetwork
GO:0043968	histone H2A acetylation
ENSG00000198886	MT-ND4 PPI subnetwork
ENSG00000179899	ENSG00000179899 PPI subnetwork
ENSG00000170906	NDUFA3 PPI subnetwork
GO:0038032	termination of G-protein coupled receptor signaling pathway
ENSG00000169213	RAB3B PPI subnetwork
ENSG00000140400	MAN2C1 PPI subnetwork
GO:0031345	negative regulation of cell projection organization
GO:0006513	protein monoubiquitination
ENSG00000131495	NDUFA2 PPI subnetwork
GO:0009152	purine ribonucleotide biosynthetic process
GO:0005262	calcium channel activity
ENSG00000184752	NDUFA12 PPI subnetwork
MP:0001961	abnormal reflex
ENSG00000168653	NDUFS5 PPI subnetwork
GO:0045773	positive regulation of axon extension
GO:0010830	regulation of myotube differentiation
GO:0006412	translation
GO:0006693	prostaglandin metabolic process

ENSG00000167792	NDUFV1 PPI subnetwork
REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS	REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS
GO:0030048	actin filament-based movement
GO:0046847	filopodium assembly
MP:0001395	bidirectional circling
GO:0016881	acid-amino acid ligase activity
GO:0006626	protein targeting to mitochondrion
ENSG00000164402	SEPT8 PPI subnetwork
MP:0002887	decreased susceptibility to pharmacologically induced seizures
GO:0072528	pyrimidine-containing compound biosynthetic process
ENSG00000038274	MAT2B PPI subnetwork
GO:0000226	microtubule cytoskeleton organization
ENSG00000160194	NDUFV3 PPI subnetwork
GO:0018345	protein palmitoylation
GO:0050770	regulation of axonogenesis
ENSG00000058668	ATP2B4 PPI subnetwork
MP:0002736	abnormal nociception after inflammation
GO:0032273	positive regulation of protein polymerization
GO:0051904	pigment granule transport
GO:2001014	regulation of skeletal muscle cell differentiation
MP:0002207	abnormal long term potentiation
GO:0006367	transcription initiation from RNA polymerase II promoter
GO:0032095	regulation of response to food
ENSG00000113555	PCDH12 PPI subnetwork
GO:0007626	locomotory behavior
GO:0071305	cellular response to vitamin D
GO:0031514	motile cilium
GO:0016573	histone acetylation
MP:0002578	impaired ability to fire action potentials
GO:0003215	cardiac right ventricle morphogenesis
GO:0007632	visual behavior
MP:0001522	impaired swimming
ENSG00000163159	VPS72 PPI subnetwork
ENSG00000070961	ATP2B1 PPI subnetwork
GO:0030071	regulation of mitotic metaphase/anaphase transition
GO:0005230	extracellular ligand-gated ion channel activity
ENSG00000092964	DPYSL2 PPI subnetwork
ENSG00000102109	PCSK1N PPI subnetwork
GO:0018410	C-terminal protein amino acid modification
ENSG00000186141	POLR3C PPI subnetwork
ENSG00000212870	ENSG00000212870 PPI subnetwork
ENSG00000198786	MT-ND5 PPI subnetwork
GO:0046039	GTP metabolic process
REACTOME_ION_CHANNEL_TRANSPORT	REACTOME_ION_CHANNEL_TRANSPORT
GO:0023021	termination of signal transduction
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_CLEARANCE
GO:0021955	central nervous system neuron axonogenesis
ENSG00000135363	LMO2 PPI subnetwork
GO:0005484	SNAP receptor activity
GO:0040001	establishment of mitotic spindle localization

ENSG00000070950	RAD18 PPI subnetwork
GO:0008306	associative learning
ENSG00000171132	PRKCE PPI subnetwork
GO:0008287	protein serine/threonine phosphatase complex
MP:0001463	abnormal spatial learning
GO:0030521	androgen receptor signaling pathway
ENSG00000123066	MED13L PPI subnetwork
ENSG00000166266	CUL5 PPI subnetwork
ENSG00000111266	DUSP16 PPI subnetwork
REACTOME_FORMATION_OF_ATP_BY_CHE	REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUI
MP:0001899	absent long term depression
GO:0030204	chondroitin sulfate metabolic process
MP:0004077	abnormal striatum morphology
GO:0004970	ionotropic glutamate receptor activity
ENSG00000127337	YEATS4 PPI subnetwork
GO:0002478	antigen processing and presentation of exogenous peptide ant
ENSG00000071564	TCF3 PPI subnetwork
GO:0007611	learning or memory
GO:0005753	mitochondrial proton-transporting ATP synthase complex
GO:0006266	DNA ligation
REACTOME_SIGNALING_BY_ROBO_RECEPT	REACTOME_SIGNALING_BY_ROBO_RECEPTOR
GO:0051653	spindle localization
GO:0051293	establishment of spindle localization
ENSG00000100167	SEPT3 PPI subnetwork
GO:0045737	positive regulation of cyclin-dependent protein kinase activity
ENSG00000096433	ITPR3 PPI subnetwork
GO:0032401	establishment of melanosome localization
ENSG00000151834	GABRA2 PPI subnetwork
REACTOME_CGMP_EFFECTS	REACTOME_CGMP_EFFECTS
GO:0072655	establishment of protein localization in mitochondrion
GO:0060048	cardiac muscle contraction
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_OPENING
ENSG00000124641	MED20 PPI subnetwork
ENSG00000127314	RAP1B PPI subnetwork
MP:0002878	abnormal corticospinal tract morphology
ENSG00000159479	MED8 PPI subnetwork
ENSG00000143858	SYT2 PPI subnetwork
ENSG00000137413	TAF8 PPI subnetwork
ENSG00000069974	RAB27A PPI subnetwork
ENSG00000150995	ITPR1 PPI subnetwork
ENSG00000100321	SYNGR1 PPI subnetwork
GO:0032620	interleukin-17 production
GO:0032660	regulation of interleukin-17 production
ENSG00000134072	CAMK1 PPI subnetwork
MP:0003484	abnormal channel response
ENSG00000136854	STXBP1 PPI subnetwork
GO:0048489	synaptic vesicle transport
GO:0070585	protein localization in mitochondrion
MP:0008572	abnormal Purkinje cell dendrite morphology
ENSG00000087302	C14orf166 PPI subnetwork

GO:0050890	cognition
ENSG00000119048	UBE2B PPI subnetwork
ENSG00000111907	TPD52L1 PPI subnetwork
GO:0032312	regulation of ARF GTPase activity
ENSG00000164418	GRIK2 PPI subnetwork
GO:0070252	actin-mediated cell contraction
ENSG00000183741	CBX6 PPI subnetwork
REACTOME_VOLTAGE_GATED_POTASSIUM	REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNELS
GO:0021516	dorsal spinal cord development
ENSG00000183023	SLC8A1 PPI subnetwork
MP:0009745	abnormal behavioral response to xenobiotic
ENSG00000148408	CACNA1B PPI subnetwork
GO:0050931	pigment cell differentiation
GO:0008344	adult locomotory behavior
GO:0051313	attachment of spindle microtubules to chromosome
ENSG00000151366	NDUFC2 PPI subnetwork
REACTOME_DEPOLARIZATION_OF_THE_PR	REACTOME_DEPOLARIZATION_OF_THE_PRESYNAPTIC_TERMI
GO:0045851	pH reduction
REACTOME_DEPOSITION_OF_NEW_CENPA	REACTOME_DEPOSITION_OF_NEW_CENPA:CONTAINING_NUC
REACTOME_NUCLEOSOME_ASSEMBLY	REACTOME_NUCLEOSOME_ASSEMBLY
ENSG00000164076	CAMKV PPI subnetwork
ENSG00000105514	RAB3D PPI subnetwork
ENSG00000180190	C8orf42 PPI subnetwork
GO:0019787	small conjugating protein ligase activity
ENSG00000149782	PLCB3 PPI subnetwork
ENSG00000121083	DYNLL2 PPI subnetwork
ENSG00000178127	NDUFV2 PPI subnetwork
GO:0045211	postsynaptic membrane
ENSG00000165264	NDUFB6 PPI subnetwork
ENSG00000182621	PLCB1 PPI subnetwork
REACTOME_RNA_POLYMERASE_I_CHAIN_E	REACTOME_RNA_POLYMERASE_I_CHAIN_ELONGATION
GO:0009264	deoxyribonucleotide catabolic process
GO:0006385	transcription elongation from RNA polymerase III promoter
GO:0006386	termination of RNA polymerase III transcription
REACTOME_PACKAGING_OF_TELOMERE_EI	REACTOME_PACKAGING_OF_TELOMERE_ENDS
ENSG00000112379	KIAA1244 PPI subnetwork
KEGG_REGULATION_OF_AUTOPHAGY	KEGG_REGULATION_OF_AUTOPHAGY
GO:0016592	mediator complex
ENSG00000141582	CBX4 PPI subnetwork
GO:0043198	dendritic shaft
ENSG00000152208	GRID2 PPI subnetwork
GO:0007270	neuron-neuron synaptic transmission
ENSG00000196557	CACNA1H PPI subnetwork
ENSG00000149294	NCAM1 PPI subnetwork
ENSG00000013561	RNF14 PPI subnetwork
GO:0007616	long-term memory
GO:0032814	regulation of natural killer cell activation
GO:0010165	response to X-ray
ENSG00000008869	HEATR5B PPI subnetwork
ENSG00000168283	BMI1 PPI subnetwork

GO:0006198	cAMP catabolic process
GO:0016486	peptide hormone processing
ENSG00000196872	C2orf55 PPI subnetwork
GO:0042391	regulation of membrane potential
ENSG00000152822	GRM1 PPI subnetwork
GO:0017137	Rab GTPase binding
GO:0051310	metaphase plate congression
ENSG00000129990	SYT5 PPI subnetwork
GO:0072527	pyrimidine-containing compound metabolic process
ENSG00000169016	E2F6 PPI subnetwork
MP:0001473	reduced long term potentiation
GO:0045104	intermediate filament cytoskeleton organization
MP:0001524	impaired limb coordination
REACTOME_NOREPINEPHRINE_NEUROTRAI	REACTOME_NOREPINEPHRINE_NEUROTRANSMITTER_RELEAS
GO:0045103	intermediate filament-based process
GO:0048488	synaptic vesicle endocytosis
ENSG00000103740	ACSBG1 PPI subnetwork
GO:0046641	positive regulation of alpha-beta T cell proliferation
ENSG00000139998	RAB15 PPI subnetwork
ENSG00000141384	TAF4B PPI subnetwork
GO:0050804	regulation of synaptic transmission
ENSG00000165023	DIRAS2 PPI subnetwork
GO:0033178	proton-transporting two-sector ATPase complex, catalytic don
ENSG00000166862	CACNG2 PPI subnetwork
GO:0045652	regulation of megakaryocyte differentiation
ENSG00000132872	SYT4 PPI subnetwork
GO:0005234	extracellular-glutamate-gated ion channel activity
ENSG00000183454	GRIN2A PPI subnetwork
GO:0006818	hydrogen transport
GO:0016079	synaptic vesicle exocytosis
ENSG00000105649	RAB3A PPI subnetwork
ENSG00000163462	TRIM46 PPI subnetwork
GO:0017157	regulation of exocytosis
ENSG00000116852	KIF21B PPI subnetwork
ENSG00000092054	MYH7 PPI subnetwork
GO:0046873	metal ion transmembrane transporter activity
GO:0007612	learning
GO:0030315	T-tubule
ENSG00000092531	SNAP23 PPI subnetwork
ENSG00000134444	KIAA1468 PPI subnetwork
GO:0048278	vesicle docking
ENSG00000113327	GABRG2 PPI subnetwork
ENSG00000099795	NDUFB7 PPI subnetwork
GO:0015985	energy coupled proton transport, down electrochemical gradi
GO:0015986	ATP synthesis coupled proton transport
ENSG00000163875	MEAF6 PPI subnetwork
GO:0032816	positive regulation of natural killer cell activation
ENSG00000063601	MTMR1 PPI subnetwork
GO:0006333	chromatin assembly or disassembly
ENSG00000187672	ERC2 PPI subnetwork

REACTOME_SYNTHESIS_OF_GLYCOSYLPHOS	REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITC
MP:0008098	decreased plasma cell number
GO:0055117	regulation of cardiac muscle contraction
GO:0035725	sodium ion transmembrane transport
GO:0034765	regulation of ion transmembrane transport
ENSG00000147854	UHRF2 PPI subnetwork
ENSG00000123360	PDE1B PPI subnetwork
GO:0015992	proton transport
ENSG00000065057	NTHL1 PPI subnetwork
GO:0035176	social behavior
GO:0032271	regulation of protein polymerization
ENSG00000139433	GLTP PPI subnetwork
MP:0000877	abnormal Purkinje cell morphology
GO:0010975	regulation of neuron projection development
GO:0030318	melanocyte differentiation
ENSG00000004779	NDUFAB1 PPI subnetwork
GO:0046961	proton-transporting ATPase activity, rotational mechanism
ENSG00000108852	MPP2 PPI subnetwork
MP:0002919	enhanced paired-pulse facilitation
ENSG00000108828	VAT1 PPI subnetwork
GO:0045259	proton-transporting ATP synthase complex
ENSG00000119383	PPP2R4 PPI subnetwork
ENSG00000133812	SBF2 PPI subnetwork
ENSG00000171724	VAT1L PPI subnetwork
REACTOME_IONOTROPIC_ACTIVITY_OF_KA	REACTOME_IONOTROPIC_ACTIVITY_OF_KAINATE_RECEPTORS
REACTOME_ACTIVATION_OF_CA:PERMEAB	REACTOME_ACTIVATION_OF_CA:PERMEABLE_KAINATE_RECE
REACTOME_NEURONAL_SYSTEM	REACTOME_NEURONAL_SYSTEM
ENSG00000163527	STT3B PPI subnetwork
ENSG00000137955	RABGGTB PPI subnetwork
MP:0008840	abnormal spike wave discharge
GO:0019905	syntaxin binding
GO:0044309	neuron spine
GO:0043197	dendritic spine
GO:0034728	nucleosome organization
ENSG00000169189	NSMCE1 PPI subnetwork
REACTOME_PROTEOLYTIC_CLEAVAGE_OF_	REACTOME_PROTEOLYTIC_CLEAVAGE_OF_SNARE_COMPLEX_
GO:0001518	voltage-gated sodium channel complex
GO:0006220	pyrimidine nucleotide metabolic process
ENSG00000101189	C20orf20 PPI subnetwork
MP:0002757	decreased vertical activity
ENSG00000135338	LCA5 PPI subnetwork
ENSG00000198947	DMD PPI subnetwork
GO:0019884	antigen processing and presentation of exogenous antigen
ENSG00000145864	GABRB2 PPI subnetwork
ENSG00000165632	TAF3 PPI subnetwork
GO:0042375	quinone cofactor metabolic process
MP:0004792	abnormal synaptic vesicle number
ENSG00000100568	VTI1B PPI subnetwork
GO:0050905	neuromuscular process
GO:0006904	vesicle docking involved in exocytosis

GO:0001578	microtubule bundle formation
GO:0046488	phosphatidylinositol metabolic process
GO:0045263	proton-transporting ATP synthase complex, coupling factor F(
ENSG00000081248	CACNA1S PPI subnetwork
GO:0021515	cell differentiation in spinal cord
GO:0031497	chromatin assembly
GO:0004653	polypeptide N-acetylgalactosaminyltransferase activity
GO:0007156	homophilic cell adhesion
GO:0009214	cyclic nucleotide catabolic process
MP:0000951	sporadic seizures
ENSG00000140990	NDUFB10 PPI subnetwork
REACTOME_INTERACTION_BETWEEN_L1_A	REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS
GO:0005932	microtubule basal body
GO:0016469	proton-transporting two-sector ATPase complex
GO:0031646	positive regulation of neurological system process
GO:0006891	intra-Golgi vesicle-mediated transport
GO:0030049	muscle filament sliding
GO:0033275	actin-myosin filament sliding
GO:0000149	SNARE binding
GO:0002209	behavioral defense response
GO:0034706	sodium channel complex
GO:0048934	peripheral nervous system neuron differentiation
GO:0048935	peripheral nervous system neuron development
GO:0022890	inorganic cation transmembrane transporter activity
GO:0050000	chromosome localization
GO:0051303	establishment of chromosome localization
ENSG00000102001	CACNA1F PPI subnetwork
GO:0042776	mitochondrial ATP synthesis coupled proton transport
GO:0048168	regulation of neuronal synaptic plasticity
GO:0007214	gamma-aminobutyric acid signaling pathway
GO:0045921	positive regulation of exocytosis
ENSG00000138308	PLA2G12B PPI subnetwork
ENSG00000139190	VAMP1 PPI subnetwork
GO:0045005	maintenance of fidelity involved in DNA-dependent DNA repli
GO:0048169	regulation of long-term neuronal synaptic plasticity
GO:0006334	nucleosome assembly
GO:0046640	regulation of alpha-beta T cell proliferation
ENSG00000179915	NRXN1 PPI subnetwork
GO:0051225	spindle assembly
KEGG_OXIDATIVE_PHOSPHORYLATION	KEGG_OXIDATIVE_PHOSPHORYLATION
GO:0000381	regulation of alternative nuclear mRNA splicing, via spliceoson
MP:0004008	abnormal GABA-mediated receptor currents
GO:0060134	prepulse inhibition
GO:0030425	dendrite
GO:0006119	oxidative phosphorylation
GO:0050808	synapse organization
REACTOME_SYNTHESIS_AND_INTERCONVE	REACTOME_SYNTHESIS_AND_INTERCONVERSION_OF_NUCLE(
MP:0001405	impaired coordination
GO:0031201	SNARE complex
ENSG00000108231	LGI1 PPI subnetwork

MP:0002272	abnormal nervous system electrophysiology
KEGG_PARKINSONS_DISEASE	KEGG_PARKINSONS_DISEASE
GO:0005227	calcium activated cation channel activity
REACTOME_GABA_A_RECEPTOR_ACTIVATI	REACTOME_GABA_A_RECEPTOR_ACTIVATION
MP:0002916	increased synaptic depression
GO:0048167	regulation of synaptic plasticity
GO:0050885	neuromuscular process controlling balance
GO:0071824	protein-DNA complex subunit organization
REACTOME_MEIOTIC_RECOMBINATION	REACTOME_MEIOTIC_RECOMBINATION
GO:0002504	antigen processing and presentation of peptide or polysacchar
GO:0002495	antigen processing and presentation of peptide antigen via MH
REACTOME_ACTIVATION_OF_NMDA_RECEI	REACTOME_ACTIVATION_OF_NMDA_RECEPTOR_UPON_GLUT
GO:0070925	organelle assembly
GO:0051971	positive regulation of transmission of nerve impulse
GO:0006120	mitochondrial electron transport, NADH to ubiquinone
GO:0008340	determination of adult lifespan
GO:0070588	calcium ion transmembrane transport
GO:0033151	V(D)J recombination
KEGG_LONG_TERM_POTENTIATION	KEGG_LONG_TERM_POTENTIATION
GO:0044327	dendritic spine head
GO:0014069	postsynaptic density
REACTOME_SEROTONIN_NEUROTRANSMIT	REACTOME_SEROTONIN_NEUROTRANSMITTER_RELEASE_CYC
REACTOME_DOPAMINE_NEUROTRANSMIT	REACTOME_DOPAMINE_NEUROTRANSMITTER_RELEASE_CYCI
GO:0031929	TOR signaling cascade
REACTOME_BOTULINUM_NEUROTOXICITY	REACTOME_BOTULINUM_NEUROTOXICITY
GO:0097060	synaptic membrane
GO:0050806	positive regulation of synaptic transmission
GO:0008021	synaptic vesicle
ENSG00000151067	CACNA1C PPI subnetwork
GO:0016776	phosphotransferase activity, phosphate group as acceptor
GO:0030424	axon
GO:0065004	protein-DNA complex assembly
GO:0006906	vesicle fusion
GO:0016254	preassembly of GPI anchor in ER membrane
GO:0007379	segment specification
GO:0071436	sodium ion export
GO:0008376	acetylgalactosaminyltransferase activity
GO:0000301	retrograde transport, vesicle recycling within Golgi
GO:0007605	sensory perception of sound
GO:0008333	endosome to lysosome transport
ENSG00000082458	DLG3 PPI subnetwork
GO:0042775	mitochondrial ATP synthesis coupled electron transport
GO:0042773	ATP synthesis coupled electron transport
GO:0051899	membrane depolarization
GO:0015077	monovalent inorganic cation transmembrane transporter activ
GO:0015991	ATP hydrolysis coupled proton transport
GO:0015988	energy coupled proton transport, against electrochemical grad
GO:0006942	regulation of striated muscle contraction
GO:0032465	regulation of cytokinesis
GO:0050954	sensory perception of mechanical stimulus

GO:0001662	behavioral fear response
GO:0015276	ligand-gated ion channel activity
GO:0022834	ligand-gated channel activity
MP:0002912	abnormal excitatory postsynaptic potential
GO:0007416	synapse assembly
GO:0006303	double-strand break repair via nonhomologous end joining
REACTOME_POTASSIUM_CHANNELS	REACTOME_POTASSIUM_CHANNELS
GO:0001504	neurotransmitter uptake
ENSG00000184408	KCND2 PPI subnetwork
GO:0005248	voltage-gated sodium channel activity
GO:0070936	protein K48-linked ubiquitination
KEGG_SNARE_INTERACTIONS_IN_VESICULA	KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT
GO:0000380	alternative nuclear mRNA splicing, via spliceosome
GO:0034702	ion channel complex
ENSG00000090372	STRN4 PPI subnetwork
GO:0000726	non-recombinational repair
ENSG00000101333	PLCB4 PPI subnetwork
GO:0005272	sodium channel activity
ENSG00000197548	ATG7 PPI subnetwork
GO:0007215	glutamate receptor signaling pathway
GO:0033205	cell cycle cytokinesis
GO:0032006	regulation of TOR signaling cascade
GO:0022803	passive transmembrane transporter activity
GO:0015267	channel activity
GO:0007213	G-protein coupled acetylcholine receptor signaling pathway
GO:0070979	protein K11-linked ubiquitination
GO:0000910	cytokinesis
GO:0034220	ion transmembrane transport
GO:0031290	retinal ganglion cell axon guidance
GO:0006298	mismatch repair
GO:0033267	axon part
GO:0035825	reciprocal DNA recombination
GO:0007131	reciprocal meiotic recombination
GO:0022838	substrate-specific channel activity
GO:0051865	protein autoubiquitination
GO:0007158	neuron cell-cell adhesion
ENSG00000067715	SYT1 PPI subnetwork
MP:0002906	increased susceptibility to pharmacologically induced seizures
MP:0002206	abnormal CNS synaptic transmission
GO:0042734	presynaptic membrane
ENSG00000103496	STX4 PPI subnetwork
MP:0003008	enhanced long term potentiation
ENSG00000166900	STX3 PPI subnetwork
GO:0071804	cellular potassium ion transport
GO:0071805	potassium ion transmembrane transport
GO:0005216	ion channel activity
GO:0044456	synapse part
GO:0015459	potassium channel regulator activity
GO:0007212	dopamine receptor signaling pathway
GO:0032008	positive regulation of TOR signaling cascade

GO:0045202	synapse
GO:0009262	deoxyribonucleotide metabolic process
ENSG00000106089	STX1A PPI subnetwork
ENSG00000179036	ENSG00000179036 PPI subnetwork
GO:0030672	synaptic vesicle membrane
MP:0001469	abnormal contextual conditioning behavior
GO:0015672	monovalent inorganic cation transport
GO:0015949	nucleobase-containing small molecule interconversion
GO:0016247	channel regulator activity
GO:0005261	cation channel activity
GO:0017156	calcium ion-dependent exocytosis
GO:0045132	meiotic chromosome segregation
GO:0005249	voltage-gated potassium channel activity
MP:0001454	abnormal cued conditioning behavior
GO:0006813	potassium ion transport
GO:0007628	adult walking behavior
GO:0022832	voltage-gated channel activity
GO:0005244	voltage-gated ion channel activity
GO:0022836	gated channel activity
GO:0015079	potassium ion transmembrane transporter activity
GO:0022843	voltage-gated cation channel activity
GO:0034703	cation channel complex
GO:0034705	potassium channel complex
GO:0008076	voltage-gated potassium channel complex
GO:0005267	potassium channel activity

ificant (P2df < 5×10-8) LDL-cholesterol loci

scores across identified loci using mean and standard deviation for the sum of z scores c
thod is described in detail in Pers et al. NatComm 2015.

Nominal P value	False discovery rate	Reconstituted gene set Z score gene 1	Reconstituted gene set Z score gene 2	Reconstituted gene set Z score gene 3
5.09E-09	**<0.01**	HP (8.3)	PLG (3.9)	LIPC (3.6)
1.62E-08	**<0.01**	ABCG5 (7.0)	ABCG8 (7.0)	APOC3 (6.4)
1.78E-08	**<0.01**	GRINA (2.7)	CETP (2.5)	ENSG00000231204 (2
3.68E-08	**<0.01**	APOB (9.0)	APOC3 (8.8)	APOC1 (7.8)
4.70E-08	**<0.01**	HAPLN4 (2.7)	FNDC4 (2.5)	MAMSTR (2.2)
7.02E-08	**<0.01**	APOC4 (5.2)	APOA5 (4.7)	FADS2 (4.6)
7.14E-08	**<0.01**	ANGPTL3 (7.5)	LPA (6.8)	PLG (6.2)
8.27E-08	**<0.01**	LPA (3.9)	APOA5 (3.8)	HP (3.8)
1.76E-07	**<0.01**	APOA4 (8.1)	APOC3 (7.6)	APOB (7.3)
2.53E-07	**<0.01**	APOA5 (6.3)	APOC4 (6.0)	C19orf80 (5.6)
5.08E-07	**<0.01**	APOC3 (8.0)	APOA4 (7.8)	ABCG5 (7.8)
6.13E-07	**<0.01**	DOCK6 (5.3)	RASIP1 (4.6)	BMPR2 (3.1)
9.49E-07	**<0.01**	ENSG00000235545 (3	GPR61 (2.6)	LDLR (2.0)
1.06E-06	**<0.01**	APOC1 (9.0)	APOA5 (7.8)	PLG (7.3)
1.06E-06	**<0.01**	APOC1 (9.0)	APOA5 (7.8)	PLG (7.3)
1.16E-06	**<0.01**	TRAM2 (3.5)	RASIP1 (3.5)	KANK2 (3.4)
1.26E-06	**<0.01**	APOA4 (7.1)	APOC1 (6.7)	APOB (6.5)
1.44E-06	**<0.01**	ABCG8 (6.9)	TM6SF2 (5.2)	APOA5 (5.0)
1.47E-06	**<0.01**	APOC3 (8.4)	ABCG5 (7.6)	FADS1 (7.5)
1.75E-06	**<0.01**	TIMD4 (4.4)	HMGCR (4.3)	CETP (4.3)
1.83E-06	**<0.01**	LPL (5.7)	APOA4 (5.6)	GPAM (5.5)
1.98E-06	**<0.01**	ATXN1L (2.9)	PVRL2 (2.3)	TRAM2 (2.2)
2.20E-06	**<0.01**	APOA4 (7.6)	APOC1 (7.2)	APOB (6.9)
2.40E-06	**<0.01**	C19orf80 (5.6)	APOC3 (5.3)	ABCG8 (5.2)
3.17E-06	**<0.01**	APOC3 (6.5)	LIPC (6.1)	APOC4 (6.0)
3.17E-06	**<0.01**	APOC3 (6.5)	LIPC (6.1)	APOC4 (6.0)
3.23E-06	**<0.01**	APOC1 (3.7)	SLC22A3 (3.7)	TM6SF2 (3.5)
3.25E-06	**<0.01**	APOA4 (7.5)	APOC3 (7.4)	ABCG5 (7.2)
3.29E-06	**<0.01**	APOA5 (8.8)	LIPC (8.3)	PLG (8.3)
3.33E-06	**<0.01**	C19orf80 (6.2)	APOA5 (6.2)	LIPC (6.2)
3.87E-06	**<0.01**	RELB (4.8)	APOA5 (3.3)	APOC4 (3.1)
4.04E-06	**<0.01**	APOC1 (5.5)	APOA4 (5.3)	TM6SF2 (4.0)
4.07E-06	**<0.01**	PLG (5.3)	ANGPTL3 (5.3)	APOA5 (5.2)
4.12E-06	**<0.01**	ENSG00000244861 (2	LIPC (2.6)	POLK (2.6)
4.75E-06	**<0.01**	HP (5.7)	APOB (5.4)	LIPC (5.2)
5.11E-06	**<0.01**	APOB (4.8)	APOA4 (4.8)	APOC3 (4.4)
5.30E-06	**<0.01**	APOC1 (6.7)	APOB (6.2)	APOC3 (5.8)
5.30E-06	**<0.01**	APOC1 (6.7)	APOB (6.2)	APOC3 (5.8)
6.13E-06	**<0.01**	LIPC (6.7)	PLG (6.7)	APOA5 (6.0)
6.35E-06	**<0.01**	APOC1 (8.8)	APOB (6.9)	APOE (6.6)
6.38E-06	**<0.01**	CETP (3.7)	TIMD4 (3.0)	ABCA1 (2.0)
6.57E-06	**<0.01**	PLG (8.5)	ANGPTL3 (8.3)	APOC4 (7.9)
6.95E-06	**<0.01**	LIPC (5.4)	PLG (5.2)	HP (5.2)

7.74E-06	**<0.01**	HP (5.7)	APOB (5.4)	PLG (5.2)
7.78E-06	**<0.01**	LPA (5.5)	TIMD4 (5.1)	SLC22A1 (4.5)
8.08E-06	**<0.01**	APOC3 (11.0)	APOB (10.9)	APOA4 (9.8)
8.34E-06	**<0.01**	APOC1 (4.8)	FADS2 (4.2)	FADS1 (3.9)
9.70E-06	**<0.01**	HP (5.4)	APOB (5.1)	LIPC (4.8)
1.03E-05	**<0.01**	HP (5.6)	APOB (5.5)	LIPC (5.1)
1.04E-05	**<0.01**	APOA4 (4.2)	ABCG8 (3.9)	TM6SF2 (3.9)
1.09E-05	**<0.01**	DOCK6 (3.3)	TRAM2 (2.9)	RASIP1 (2.8)
1.11E-05	**<0.01**	C19orf80 (4.9)	APOB (4.4)	HP (4.3)
1.13E-05	**<0.01**	TIMD4 (6.1)	HP (3.8)	OBP2B (3.1)
1.14E-05	**<0.01**	APOA4 (6.8)	APOC3 (6.6)	APOC1 (6.2)
1.16E-05	**<0.01**	RELB (2.5)	TRIB1 (2.1)	TOP1 (2.0)
1.22E-05	**<0.01**	KPNB1 (3.5)	ANGPTL3 (3.5)	LPA (3.2)
1.25E-05	**<0.01**	HNF1A (3.3)	APOB (3.0)	HP (2.8)
1.25E-05	**<0.01**	LPL (4.3)	GPAM (3.5)	SYPL2 (3.2)
1.26E-05	**<0.01**	PLG (4.7)	ANGPTL3 (4.7)	APOC4 (4.4)
1.27E-05	**<0.01**	APOC4 (8.3)	PLG (7.6)	APOA5 (6.9)
1.28E-05	**<0.01**	ENSG00000244861 (3	POLK (2.9)	GOT2P1 (2.7)
1.30E-05	**<0.01**	LIPC (4.8)	APOC4 (4.5)	GCKR (4.3)
1.45E-05	**<0.01**	LDLR (5.2)	FADS2 (5.2)	GPAM (3.8)
1.46E-05	**<0.01**	KANK2 (2.5)	ENSG00000231204 (2	ENSG00000244861 (1
1.46E-05	**<0.01**	SLC22A1 (5.5)	HP (4.9)	LPA (4.7)
1.47E-05	**<0.01**	ABCG8 (5.5)	APOA4 (5.1)	ABCG5 (4.8)
1.48E-05	**<0.01**	NOP58 (4.1)	ZNF259 (3.8)	TOMM40 (3.5)
1.51E-05	**<0.01**	PLG (6.0)	LIPC (5.9)	APOA5 (5.5)
1.52E-05	**<0.01**	FADS2 (5.3)	LDLR (5.2)	APOB (4.0)
1.54E-05	**<0.01**	FADS1 (6.9)	FADS2 (6.6)	HMGCR (5.9)
1.54E-05	**<0.01**	PLG (5.4)	SLC22A1 (5.0)	APOA5 (4.9)
1.55E-05	**<0.01**	LPA (3.0)	HAVCR1 (2.9)	LIPC (2.8)
1.57E-05	**<0.01**	PLG (7.4)	ANGPTL3 (7.4)	LIPC (7.3)
1.58E-05	**<0.01**	APOC4 (9.2)	APOA5 (7.5)	ANGPTL3 (7.3)
1.60E-05	**<0.01**	LCT (3.5)	APOA4 (3.5)	GSTM4 (3.0)
1.61E-05	**<0.01**	HP (5.2)	LIPC (4.1)	APOA5 (4.0)
1.67E-05	**<0.01**	PLG (4.3)	APOA5 (4.3)	ANGPTL3 (4.3)
1.72E-05	**<0.01**	APOA4 (7.9)	APOB (7.7)	APOC3 (7.4)
1.73E-05	**<0.01**	APOA5 (5.1)	SLC22A1 (4.8)	GCKR (4.5)
1.73E-05	**<0.01**	SLC22A1 (4.0)	ABCG5 (4.0)	LPA (3.4)
1.75E-05	**<0.01**	LPA (4.7)	FER1L4 (3.1)	GSTM4 (3.0)
1.77E-05	**<0.01**	DOCK6 (3.5)	RASIP1 (3.4)	IGF2R (2.9)
1.79E-05	**<0.01**	APOC4 (4.5)	PLG (3.9)	TIMD4 (3.4)
1.80E-05	**<0.01**	ANGPTL3 (3.4)	APOE (3.3)	APOC1 (3.3)
1.87E-05	**<0.01**	APOC3 (4.8)	APOB (4.7)	APOE (4.4)
1.89E-05	**<0.01**	LPA (3.0)	SLC22A1 (2.3)	ABCA1 (2.2)
1.94E-05	**<0.01**	APOC1 (9.0)	APOC3 (4.8)	PCSK9 (4.6)
2.01E-05	**<0.01**	APOC1 (9.0)	APOA4 (8.7)	ABCG5 (8.6)
2.12E-05	**<0.01**	ABCG8 (6.5)	APOC1 (5.3)	ABCA1 (4.7)
2.14E-05	**<0.01**	C19orf80 (3.4)	GCKR (3.2)	APOA5 (3.1)
2.16E-05	**<0.01**	APOA4 (3.9)	ABCG8 (3.7)	LCT (3.6)
2.18E-05	**<0.01**	FADS2 (6.0)	HMGCR (5.7)	FADS1 (5.5)
2.30E-05	**<0.01**	HMGCR (8.0)	LDLR (7.9)	FADS2 (7.7)

2.32E-05	**<0.01**	SLC22A1 (6.2)	LPA (6.0)	FADS2 (4.6)
2.34E-05	**<0.01**	ANGPTL3 (3.4)	SLC22A1 (3.2)	HNF4A (3.1)
2.54E-05	**<0.01**	PLG (7.8)	APOC4 (6.7)	APOC3 (6.4)
2.54E-05	**<0.01**	FADS2 (5.9)	HMGCR (5.6)	FADS1 (5.5)
2.60E-05	**<0.01**	APOC3 (8.5)	APOA4 (8.4)	APOB (8.0)
2.62E-05	**<0.01**	LPA (5.5)	APOC4 (5.3)	ANGPTL3 (5.1)
2.78E-05	**<0.01**	APOB (8.4)	APOC3 (8.2)	LIPC (6.6)
2.83E-05	**<0.01**	APOC4 (9.1)	APOA5 (6.9)	LPA (6.4)
2.91E-05	**<0.01**	LPL (5.5)	APOC3 (5.3)	APOA4 (5.2)
2.94E-05	**<0.01**	SARS (4.0)	GRINA (2.8)	GPAM (2.5)
3.07E-05	**<0.01**	ENSG00000236436 (3	LIPC (2.6)	ENSG00000236267 (2
3.11E-05	**<0.01**	PLG (8.3)	ANGPTL3 (7.3)	LIPC (6.4)
3.13E-05	**<0.01**	APOC3 (9.3)	APOA4 (9.0)	APOC1 (8.8)
3.26E-05	**<0.01**	APOA4 (6.1)	ABCG5 (5.7)	APOC3 (5.6)
3.30E-05	**<0.01**	SLC22A1 (6.8)	LPA (5.8)	GCKR (5.0)
3.37E-05	**<0.01**	HP (4.0)	SLC22A1 (3.6)	C19orf80 (3.2)
3.75E-05	**<0.01**	APOC4 (8.3)	LPA (7.5)	APOA5 (6.6)
3.76E-05	**<0.01**	PVRL2 (4.3)	TRAM2 (3.2)	NYNRIN (2.9)
3.83E-05	**<0.01**	ANGPTL3 (5.3)	PLG (4.8)	LIPC (4.6)
4.22E-05	**<0.01**	APOC4 (4.7)	APOA5 (4.6)	SLC22A1 (4.0)
4.37E-05	**<0.01**	HP (4.9)	APOC4 (4.4)	APOE (4.4)
4.54E-05	**<0.01**	ANGPTL3 (6.6)	APOC4 (5.1)	PLG (5.1)
4.73E-05	**<0.01**	SLC22A1 (7.2)	LPA (6.0)	GCKR (5.3)
4.89E-05	**<0.01**	PVRL2 (2.5)	DOCK7 (2.4)	BMPR2 (2.4)
4.93E-05	**<0.01**	HP (3.7)	APOC1 (3.7)	APOA5 (3.6)
4.94E-05	**<0.01**	NOP58 (4.6)	ATP13A1 (3.8)	ZNF259 (3.7)
4.98E-05	**<0.01**	APOB (5.6)	HP (5.3)	LIPC (4.8)
5.08E-05	**<0.01**	CYP26A1 (3.0)	PVRL2 (2.9)	NPEPPS (2.9)
5.18E-05	**<0.01**	ENSG00000244861 (2	LPAR2 (2.7)	GRINA (2.6)
5.32E-05	**<0.01**	IFT172 (2.7)	GATAD2A (2.7)	NYNRIN (2.5)
5.37E-05	**<0.01**	APOC3 (9.0)	APOB (8.7)	APOC1 (8.2)
5.37E-05	**<0.01**	APOC3 (9.0)	APOB (8.7)	APOC1 (8.2)
5.38E-05	**<0.01**	HP (6.4)	TIMD4 (5.1)	CETP (4.7)
5.67E-05	**<0.01**	C19orf80 (3.5)	GPAM (2.7)	LPL (2.6)
5.77E-05	**<0.01**	ABCG8 (5.7)	APOA4 (5.0)	ABCG5 (4.9)
5.77E-05	**<0.01**	ABCG8 (5.7)	APOA4 (5.0)	ABCG5 (4.9)
5.78E-05	**<0.01**	CYP26A1 (3.4)	APOB (2.6)	RASIP1 (2.6)
5.93E-05	**<0.01**	APOA5 (5.1)	APOC4 (4.6)	LPL (4.4)
5.96E-05	**<0.01**	PVR (3.5)	ATP13A1 (3.3)	PVRL2 (2.9)
6.25E-05	**<0.01**	APOC3 (7.5)	APOB (5.7)	APOC1 (4.9)
6.25E-05	**<0.01**	APOC3 (7.5)	APOB (5.7)	APOC1 (4.9)
6.48E-05	**<0.01**	APOB (5.9)	APOA4 (5.1)	APOC1 (4.5)
6.50E-05	**<0.01**	POLK (3.2)	CBLC (2.8)	GATAD2A (2.4)
6.68E-05	**<0.01**	MYLIP (2.5)	LPL (2.1)	ABCA1 (2.1)
6.86E-05	**<0.01**	PLG (7.9)	LIPC (7.8)	ANGPTL3 (7.7)
7.02E-05	**<0.01**	LIPG (2.5)	ABCA1 (2.3)	ENSG00000235545 (2
7.23E-05	**<0.01**	ABCG8 (5.7)	APOA5 (4.8)	APOC4 (4.0)
7.29E-05	**<0.01**	APOC1 (4.4)	PLG (4.3)	APOA5 (4.1)
7.58E-05	**<0.01**	NOP58 (4.7)	ZNF259 (3.5)	SARS (3.4)
7.79E-05	**<0.01**	TIMD4 (3.5)	RELB (3.4)	ABCA1 (3.0)

8.01E-05	**<0.01**	APOC3 (4.3)	CYP26A1 (4.2)	APOB (4.1)
8.34E-05	**<0.01**	APOC4 (7.8)	LPA (7.7)	PLG (7.7)
8.45E-05	**<0.01**	HP (4.4)	SLC22A1 (4.2)	CBLC (3.8)
8.49E-05	**<0.01**	HP (8.8)	PLG (5.8)	ANGPTL3 (5.6)
8.73E-05	**<0.01**	LPA (2.9)	SORT1 (2.9)	ENSG00000228044 (2
8.79E-05	**<0.01**	APOC4 (4.2)	GCKR (4.1)	APOA5 (4.0)
9.00E-05	**<0.01**	HP (7.1)	LIPC (5.1)	PLG (4.7)
9.06E-05	**<0.01**	CETP (3.8)	APOC1 (3.7)	LIPG (3.6)
9.39E-05	**<0.01**	TM6SF2 (3.0)	ABCG8 (2.8)	GSTM4 (2.5)
9.59E-05	**<0.01**	HP (8.5)	LPA (4.6)	APOC4 (4.2)
9.71E-05	**<0.01**	HP (4.1)	SLC22A1 (4.0)	APOC4 (3.5)
9.84E-05	**<0.01**	CETP (3.5)	TIMD4 (3.3)	MAFB (2.8)
1.00E-04	**<0.01**	GSTM4 (3.9)	HP (2.9)	LIPG (2.4)
1.01E-04	**<0.01**	SLC22A1 (4.4)	APOA5 (4.1)	PLG (4.1)
1.05E-04	**<0.01**	APOA4 (9.7)	APOC3 (8.2)	APOB (7.1)
1.07E-04	**<0.01**	TBKBP1 (2.5)	TRAM2 (2.4)	ABCA1 (2.1)
1.09E-04	**<0.01**	LIPC (6.4)	PLG (5.9)	ANGPTL3 (5.6)
1.12E-04	**<0.01**	OTX1 (5.7)	NCAN (2.6)	ABCA1 (2.3)
1.13E-04	**<0.01**	ANGPTL3 (4.9)	GCKR (4.1)	LIPC (4.0)
1.14E-04	**<0.01**	HP (4.2)	SLC22A1 (3.8)	APOA5 (3.5)
1.16E-04	**<0.01**	LIPC (5.2)	PLG (4.7)	ANGPTL3 (4.5)
1.19E-04	**<0.01**	DOCK6 (4.1)	GATAD2A (3.3)	CYP26A1 (3.0)
1.20E-04	**<0.01**	HP (5.9)	ANGPTL3 (5.2)	PLG (4.4)
1.22E-04	**<0.01**	CETP (4.5)	TIMD4 (2.8)	MAFB (2.4)
1.22E-04	**<0.01**	PLG (5.5)	ANGPTL3 (5.0)	SLC22A1 (4.9)
1.24E-04	**<0.01**	APOE (5.3)	GSTM5 (4.0)	LIPC (3.8)
1.25E-04	**<0.01**	BCAM (3.8)	KANK2 (3.4)	DOCK6 (2.6)
1.27E-04	**<0.01**	LPL (7.0)	APOC1 (4.9)	GPAM (4.8)
1.30E-04	**<0.01**	LPA (3.9)	SLC22A1 (3.6)	PBX4 (2.6)
1.31E-04	**<0.01**	YSK4 (2.7)	OASL (2.6)	SLC22A3 (2.5)
1.35E-04	**<0.01**	BCAM (3.8)	CYP26A1 (2.9)	TRAM2 (2.8)
1.35E-04	**<0.01**	PCSK9 (4.5)	BMPR2 (3.9)	LDLR (3.3)
1.36E-04	**<0.01**	LIPC (4.1)	APOC1 (3.9)	APOA4 (3.8)
1.39E-04	**<0.01**	MAFB (4.7)	APOC1 (4.3)	APOE (3.3)
1.40E-04	**<0.01**	APOB (8.5)	APOC3 (7.8)	LIPC (6.0)
1.40E-04	**<0.01**	APOB (8.5)	APOC3 (7.8)	LIPC (6.0)
1.42E-04	**<0.01**	C19orf80 (5.2)	PLG (4.9)	LIPC (4.8)
1.43E-04	**<0.01**	FUT2 (3.6)	CBLC (3.4)	PVRL2 (2.9)
1.49E-04	**<0.01**	ATP13A1 (3.1)	ZRANB3 (2.9)	DHX38 (2.8)
1.53E-04	**<0.01**	FADS2 (5.9)	LDLR (5.5)	HMGCR (5.3)
1.54E-04	**<0.01**	LIPC (4.8)	APOC4 (4.3)	SLC22A1 (4.2)
1.57E-04	**<0.01**	TRIB1 (3.1)	GSTM4 (2.8)	RELB (2.5)
1.60E-04	**<0.01**	APOA4 (4.6)	ABCG8 (4.6)	ABCG5 (4.1)
1.63E-04	**<0.01**	PLEC (3.8)	BCAM (3.7)	RASIP1 (3.3)
1.64E-04	**<0.01**	APOC4 (3.5)	PLG (3.5)	ANGPTL3 (3.2)
1.67E-04	**<0.01**	LIPC (4.2)	APOC1 (4.2)	APOA4 (4.1)
1.75E-04	**<0.01**	APOA4 (4.6)	ABCG8 (4.5)	LCT (4.2)
1.81E-04	**<0.01**	ANGPTL3 (7.3)	PLG (6.0)	APOC4 (6.0)
1.82E-04	**<0.01**	APOA4 (5.4)	APOC3 (5.1)	LCT (4.6)
1.83E-04	**<0.01**	APOC1 (5.6)	LPL (3.8)	GPAM (3.7)

1.86E-04	**<0.01**	RASIP1 (4.8)	DOCK6 (4.4)	TRAM2 (2.7)
1.89E-04	**<0.01**	APOA4 (10.6)	APOC3 (8.7)	TM6SF2 (7.7)
1.93E-04	**<0.01**	CILP2 (3.5)	APOE (3.5)	APOC4 (2.7)
1.96E-04	**<0.01**	TM6SF2 (3.0)	ABCG8 (2.7)	GSTM4 (2.6)
1.99E-04	**<0.01**	LPA (6.0)	CETP (4.8)	TIMD4 (4.4)
2.00E-04	**<0.01**	SORT1 (3.7)	APOC4 (3.5)	HP (3.5)
2.02E-04	**<0.01**	DOCK7 (3.5)	DARS (2.6)	NUP93 (2.6)
2.06E-04	**<0.01**	APOE (7.6)	APOB (6.1)	APOA4 (5.5)
2.14E-04	**<0.01**	LPL (6.0)	GPAM (4.6)	SORT1 (3.4)
2.14E-04	**<0.01**	GPAM (3.8)	C19orf80 (3.7)	LPL (3.0)
2.18E-04	**<0.01**	ABCA1 (3.8)	CBLC (2.9)	APOB (2.7)
2.19E-04	**<0.01**	HP (6.7)	APOC4 (5.6)	LPA (5.5)
2.26E-04	**<0.01**	APOC4 (10.3)	APOA5 (8.5)	PLG (6.8)
2.29E-04	**<0.01**	LPL (4.6)	TRIB1 (3.8)	TM6SF2 (3.8)
2.29E-04	**<0.01**	PLG (7.2)	LIPC (7.1)	APOB (6.7)
2.31E-04	**<0.01**	PLG (7.0)	ANGPTL3 (6.4)	LIPC (6.4)
2.32E-04	**<0.01**	ABCG5 (9.0)	ABCG8 (8.1)	APOA5 (6.0)
2.36E-04	**<0.01**	LPAL2 (4.8)	LPA (4.3)	LIPC (4.2)
2.36E-04	**<0.01**	LPAL2 (4.8)	LPA (4.3)	LIPC (4.2)
2.40E-04	**<0.01**	PLG (7.2)	ANGPTL3 (6.4)	LIPC (6.0)
2.40E-04	**<0.01**	ERGIC3 (4.0)	YIPF2 (3.6)	APOC3 (3.4)
2.41E-04	**<0.01**	GPAM (4.2)	LPL (4.1)	SORT1 (3.5)
2.45E-04	**<0.01**	APOB (7.7)	APOC3 (6.8)	LIPC (6.0)
2.50E-04	**<0.01**	APOE (7.6)	APOB (6.6)	TIMD4 (5.5)
2.50E-04	**<0.01**	ANGPTL3 (4.4)	APOC3 (3.9)	APOB (3.8)
2.51E-04	**<0.01**	ABCG8 (6.8)	ABCG5 (4.8)	CETP (4.2)
2.51E-04	**<0.01**	APOC4 (7.0)	LPA (6.5)	PLG (6.1)
2.52E-04	**<0.01**	SLC44A2 (4.2)	APOE (3.4)	TRAM2 (3.1)
2.53E-04	**<0.01**	IFT172 (2.9)	DOCK6 (2.7)	RASIP1 (2.6)
2.57E-04	**<0.01**	ABCA1 (2.9)	LPL (2.7)	ENSG00000228044 (2
2.63E-04	**<0.01**	TIMD4 (5.3)	CETP (4.3)	MAFB (3.9)
2.64E-04	**<0.01**	PCSK9 (2.8)	ABCA6 (2.5)	FADS2 (2.5)
2.71E-04	**<0.01**	DHX38 (4.0)	CEP250 (2.5)	SMARCA4 (2.5)
2.72E-04	**<0.01**	APOC1 (5.5)	LPL (4.8)	GPAM (4.3)
2.73E-04	**<0.01**	APOA4 (3.9)	APOC3 (3.7)	ERGIC3 (3.5)
2.74E-04	**<0.01**	APOA5 (5.2)	PLG (4.9)	ANGPTL3 (4.6)
2.74E-04	**<0.01**	APOA5 (5.2)	PLG (4.9)	ANGPTL3 (4.6)
2.75E-04	**<0.01**	ENSG00000254235 (2	ENSG00000235545 (2	USP24 (2.2)
2.79E-04	**<0.01**	APOB (8.6)	APOC3 (8.1)	LIPC (6.0)
2.80E-04	**<0.01**	APOE (6.7)	APOB (6.5)	APOA4 (5.4)
2.83E-04	**<0.01**	LDLR (2.5)	PCSK9 (2.1)	PLEC (2.1)
2.83E-04	**<0.01**	DOCK7 (3.7)	DARS (2.7)	NUP93 (2.7)
2.84E-04	**<0.01**	PLG (4.4)	APOA5 (4.3)	C19orf80 (3.9)
2.91E-04	**<0.01**	LIPC (3.1)	GCKR (3.1)	ENSG00000182329 (2
2.92E-04	**<0.01**	ABCG8 (4.7)	TM6SF2 (4.2)	APOA4 (3.7)
2.93E-04	**<0.01**	ENSG00000254235 (2	ENSG00000235545 (2	USP24 (2.1)
2.93E-04	**<0.01**	C19orf80 (3.3)	APOC1 (2.8)	KANK2 (2.6)
2.98E-04	**<0.01**	APOC4 (9.0)	APOA5 (7.7)	ANGPTL3 (7.7)
3.01E-04	**<0.01**	HP (3.1)	LIPG (2.5)	FUT2 (2.4)
3.04E-04	**<0.01**	HNF1A (3.0)	PCSK9 (2.5)	ENSG00000254235 (2

3.07E-04	**<0.01**	LPA (5.4)	SLC22A1 (4.9)	APOA5 (4.1)
3.10E-04	**<0.01**	CETP (4.4)	APOE (3.7)	TIMD4 (3.3)
3.14E-04	**<0.01**	RELB (3.3)	GMIP (3.3)	PARP10 (3.1)
3.14E-04	**<0.01**	CYP26A1 (3.1)	LDLR (3.0)	NYNRIN (2.8)
3.26E-04	**<0.01**	SLC22A1 (6.4)	LPA (6.1)	ABCG5 (4.9)
3.32E-04	**<0.01**	LPL (7.5)	GPAM (5.8)	C19orf80 (3.4)
3.39E-04	**<0.01**	TM6SF2 (4.6)	APOA4 (4.0)	GPAM (3.9)
3.41E-04	**<0.01**	HP (5.7)	ANGPTL3 (4.8)	PLG (4.6)
3.55E-04	**<0.01**	ZNF259 (4.2)	NOP58 (3.9)	AMPD2 (3.7)
3.56E-04	**<0.01**	GPAM (3.5)	APOC1 (2.6)	LPL (2.6)
3.61E-04	**<0.01**	LPA (3.6)	ENSG00000236267 (3	LPAL2 (3.3)
3.63E-04	**<0.01**	GPAM (4.0)	DHODH (3.6)	FADS2 (3.3)
3.69E-04	**<0.01**	APOB (7.4)	APOC3 (6.6)	LIPC (5.5)
3.78E-04	**<0.01**	APOA4 (6.6)	APOB (6.0)	APOC3 (5.7)
3.89E-04	**<0.01**	ABCG8 (4.0)	TIMD4 (3.8)	ABCG5 (3.7)
3.94E-04	**<0.01**	APOB (3.1)	CILP2 (2.5)	LIPC (2.5)
3.95E-04	**<0.01**	APOE (7.4)	APOB (6.4)	APOA4 (5.3)
4.07E-04	**<0.01**	LCT (3.5)	APOA4 (3.1)	KRTCAP3 (3.0)
4.13E-04	**<0.01**	LCT (3.0)	HNF1A (2.7)	ENSG00000254235 (2
4.18E-04	**<0.01**	APOA4 (7.7)	LCT (5.8)	PCSK9 (5.7)
4.18E-04	**<0.01**	ANGPTL3 (6.2)	HP (5.7)	PLG (5.3)
4.21E-04	**<0.01**	APOB (7.5)	APOC3 (6.8)	LIPC (5.5)
4.23E-04	**<0.01**	LPL (3.3)	ABCA1 (3.1)	TRIB1 (2.5)
4.30E-04	**<0.01**	LPL (3.3)	HAVCR1 (3.0)	ABCA1 (2.9)
4.40E-04	**<0.01**	MYLIP (4.7)	LPA (3.8)	APOE (3.2)
4.46E-04	**<0.01**	APOC3 (8.7)	APOB (8.4)	LIPC (6.0)
4.47E-04	**<0.01**	LIPC (3.1)	HP (2.7)	CETP (2.6)
4.53E-04	**<0.01**	APOE (7.6)	APOB (6.2)	APOA4 (5.3)
4.56E-04	**<0.01**	ENSG00000254235 (3	TIMD4 (2.9)	SYPL2 (1.9)
4.57E-04	**<0.01**	APOA4 (2.4)	APOC3 (2.3)	CELSR2 (2.2)
4.71E-04	**<0.05**	PCSK9 (2.4)	HNF4A (2.4)	CLPTM1 (2.2)
4.80E-04	**<0.05**	OBP2B (3.9)	FADS2 (3.0)	ABCA6 (3.0)
4.98E-04	**<0.05**	HP (4.8)	GCKR (4.0)	APOA5 (3.3)
5.01E-04	**<0.05**	APOC4 (4.5)	APOA5 (4.1)	SLC22A1 (4.0)
5.02E-04	**<0.05**	SLC22A1 (4.2)	APOA5 (4.1)	PLG (4.0)
5.10E-04	**<0.05**	HMGCR (8.1)	LDLR (7.9)	FADS2 (7.8)
5.10E-04	**<0.05**	HP (5.3)	ANGPTL3 (5.1)	LIPC (4.5)
5.15E-04	**<0.05**	HMGCR (3.1)	IGF2R (3.1)	C11orf9 (2.8)
5.16E-04	**<0.05**	PLG (8.3)	ANGPTL3 (7.5)	APOC4 (7.1)
5.18E-04	**<0.05**	APOB (7.8)	APOC3 (7.5)	LIPC (5.7)
5.18E-04	**<0.05**	HMGCR (7.0)	LDLR (7.0)	FADS1 (5.7)
5.19E-04	**<0.05**	APOC4 (6.0)	ABCG8 (5.6)	ABCG5 (5.1)
5.25E-04	**<0.05**	LPA (6.7)	APOA5 (5.6)	APOC4 (4.9)
5.25E-04	**<0.05**	FADS2 (6.4)	FADS1 (6.0)	HMGCR (5.6)
5.26E-04	**<0.05**	APOE (7.8)	APOB (6.2)	APOA4 (5.4)
5.26E-04	**<0.05**	ANGPTL3 (6.3)	HP (5.6)	PLG (5.3)
5.29E-04	**<0.05**	HMGCR (8.2)	LDLR (7.8)	FADS2 (7.6)
5.29E-04	**<0.05**	GOT2P1 (3.5)	ENSG00000231204 (2	C19orf52 (2.5)
5.31E-04	**<0.05**	APOB (7.8)	APOC3 (7.4)	LIPC (5.8)
5.40E-04	**<0.05**	HMGCR (3.1)	HNF4A (2.9)	CLPTM1 (2.8)

5.40E-04	**<0.05**	ABCG8 (4.9)	TM6SF2 (4.6)	PLG (4.5)
5.43E-04	**<0.05**	LIPC (6.6)	ANGPTL3 (6.5)	HP (6.3)
5.44E-04	**<0.05**	APOB (7.8)	APOC3 (7.4)	LIPC (5.7)
5.44E-04	**<0.05**	APOB (7.8)	APOC3 (7.4)	LIPC (5.7)
5.45E-04	**<0.05**	HP (4.9)	APOC1 (4.5)	PLG (4.3)
5.48E-04	**<0.05**	NYNRIN (3.2)	HP (2.8)	CETP (2.5)
5.49E-04	**<0.05**	CYP26A1 (2.6)	ENSG00000254235 (2	PVR (2.4)
5.51E-04	**<0.05**	APOA5 (4.4)	ABCA1 (4.2)	APOC4 (3.6)
5.54E-04	**<0.05**	HMGCR (4.2)	FADS1 (4.1)	FADS2 (3.8)
5.57E-04	**<0.05**	APOC3 (6.5)	LIPC (6.5)	APOB (6.2)
5.64E-04	**<0.05**	ANGPTL3 (6.5)	HP (5.7)	PLG (5.4)
5.66E-04	**<0.05**	LPL (5.7)	FADS1 (5.5)	APOB (4.4)
5.66E-04	**<0.05**	TM6SF2 (4.4)	DARS (3.6)	ABCG5 (3.6)
5.70E-04	**<0.05**	APOB (7.8)	APOC3 (7.4)	LIPC (5.7)
5.80E-04	**<0.05**	IGF2R (3.2)	USP24 (3.1)	SLC22A3 (2.3)
5.82E-04	**<0.05**	RASIP1 (5.0)	DOCK6 (4.2)	NYNRIN (2.3)
5.90E-04	**<0.05**	GSTM4 (3.2)	DHODH (3.1)	LPA (2.9)
5.92E-04	**<0.05**	HMGCR (4.2)	PCSK9 (2.9)	APOC1 (2.9)
5.98E-04	**<0.05**	LCT (3.1)	KRTCAP3 (2.8)	HNF1A (2.8)
6.00E-04	**<0.05**	APOC1 (4.1)	RELB (3.3)	HP (3.0)
6.05E-04	**<0.05**	APOB (7.3)	APOC3 (6.7)	LIPC (5.4)
6.06E-04	**<0.05**	LPA (6.8)	SLC22A1 (6.7)	APOC4 (5.5)
6.15E-04	**<0.05**	APOB (7.7)	APOC3 (7.3)	LIPC (5.7)
6.25E-04	**<0.05**	MAFB (4.4)	ABCA1 (3.1)	TRIB1 (2.8)
6.26E-04	**<0.05**	CBLC (4.5)	PVRL2 (3.4)	OBP2B (3.1)
6.29E-04	**<0.05**	NYNRIN (3.6)	ANGPTL3 (2.9)	ST3GAL4 (2.8)
6.45E-04	**<0.05**	APOC4 (6.2)	ANGPTL3 (5.8)	SLC22A1 (5.8)
6.45E-04	**<0.05**	ABCG8 (6.9)	ABCG5 (6.8)	APOA4 (6.1)
6.45E-04	**<0.05**	APOA5 (4.3)	SLC22A1 (4.0)	APOC4 (3.8)
6.49E-04	**<0.05**	PLEC (3.3)	TRAM2 (2.6)	POLK (2.6)
6.56E-04	**<0.05**	APOB (7.8)	APOC3 (7.5)	LIPC (5.6)
6.73E-04	**<0.05**	SLC22A2 (3.1)	SARS (2.8)	CARM1 (2.7)
6.75E-04	**<0.05**	PLG (5.9)	ANGPTL3 (5.5)	APOC4 (5.2)
6.76E-04	**<0.05**	APOB (7.8)	APOC3 (7.1)	LIPC (5.5)
6.76E-04	**<0.05**	MYLIP (4.1)	LPA (3.8)	APOA5 (3.6)
6.77E-04	**<0.05**	ENSG00000226622 (4	ST3GAL4 (3.6)	C19orf80 (3.3)
6.78E-04	**<0.05**	ABCG5 (4.9)	APOC3 (4.2)	APOA4 (4.2)
6.83E-04	**<0.05**	DHODH (3.5)	LPA (3.4)	NRBP1 (3.2)
6.83E-04	**<0.05**	HP (5.5)	CETP (5.3)	TIMD4 (4.0)
6.87E-04	**<0.05**	HNF4A (3.2)	OTX1 (3.0)	HNF1A (2.8)
6.92E-04	**<0.05**	PVRL2 (3.4)	KANK2 (3.2)	EHBP1 (3.1)
7.00E-04	**<0.05**	APOE (7.7)	APOB (5.8)	APOA4 (5.2)
7.00E-04	**<0.05**	SUGP1 (4.3)	MAU2 (3.7)	SNX17 (3.0)
7.00E-04	**<0.05**	SUGP1 (4.3)	MAU2 (3.7)	SNX17 (3.0)
7.00E-04	**<0.05**	SUGP1 (4.3)	MAU2 (3.7)	SNX17 (3.0)
7.01E-04	**<0.05**	OASL (2.3)	ENSG00000182329 (2	TIMD4 (2.1)
7.02E-04	**<0.05**	PLG (3.3)	APOB (3.3)	CILP2 (3.2)
7.06E-04	**<0.05**	APOE (6.4)	APOC1 (4.9)	APOC3 (4.4)
7.12E-04	**<0.05**	FADS2 (6.5)	GPAM (6.0)	LDLR (5.8)
7.13E-04	**<0.05**	APOB (7.8)	APOC3 (7.4)	LIPC (5.8)

7.18E-04	**<0.05**	LPA (2.9)	SORT1 (2.7)	AMIGO1 (2.5)
7.19E-04	**<0.05**	ANGPTL3 (6.5)	HP (5.7)	PLG (5.4)
7.27E-04	**<0.05**	NFE2L3 (2.5)	LPL (2.4)	ENSG00000231204 (2
7.50E-04	**<0.05**	UBXN4 (3.0)	SUGP1 (2.9)	NRBP1 (2.7)
7.53E-04	**<0.05**	LPL (4.4)	GPAM (4.2)	C19orf80 (3.6)
7.53E-04	**<0.05**	SLC22A1 (8.0)	LPA (7.3)	GCKR (5.8)
7.58E-04	**<0.05**	APOC3 (8.3)	APOB (8.1)	APOC1 (5.8)
7.67E-04	**<0.05**	HMGCR (3.8)	CBLC (3.5)	GDF5 (3.0)
7.94E-04	**<0.05**	APOB (6.7)	APOC3 (5.6)	APOA5 (4.5)
7.95E-04	**<0.05**	HP (5.1)	ANGPTL3 (5.0)	PLG (4.3)
7.96E-04	**<0.05**	APOB (7.7)	APOC3 (7.2)	LIPC (5.5)
8.11E-04	**<0.05**	PLG (6.0)	ANGPTL3 (5.8)	HNF4A (5.2)
8.12E-04	**<0.05**	NRBP1 (3.8)	C19orf52 (3.1)	CLPTM1 (2.9)
8.14E-04	**<0.05**	OASL (4.0)	ABCA6 (3.5)	GMIP (3.4)
8.18E-04	**<0.05**	APOE (7.8)	APOB (6.2)	APOA4 (5.4)
8.34E-04	**<0.05**	BCAM (3.7)	PVR (2.6)	APOE (2.6)
8.35E-04	**<0.05**	TM6SF2 (3.3)	ABCG8 (2.5)	LPL (2.4)
8.42E-04	**<0.05**	APOB (6.7)	APOC3 (5.8)	APOA4 (5.4)
8.67E-04	**<0.05**	LPA (8.2)	APOC4 (7.6)	ANGPTL3 (7.6)
8.70E-04	**<0.05**	APOB (8.1)	APOC3 (7.6)	LIPC (5.9)
8.81E-04	**<0.05**	PLG (4.0)	ENSG00000256731 (3	APOC4 (3.5)
8.84E-04	**<0.05**	PVRL2 (2.4)	HNF4A (2.4)	APOB (2.4)
8.93E-04	**<0.05**	APOE (4.8)	MAFB (3.5)	CETP (3.5)
9.01E-04	**<0.05**	APOC3 (5.9)	APOB (5.9)	APOE (4.9)
9.12E-04	**<0.05**	NYNRIN (3.1)	OBP2B (2.8)	ENSG00000244861 (2
9.43E-04	**<0.05**	PLEC (2.8)	DOCK7 (2.7)	PVRL2 (2.6)
9.52E-04	**<0.05**	LPA (3.1)	ENSG00000254235 (2	TSSK6 (2.9)
9.58E-04	**<0.05**	YIPF2 (3.0)	GSTM4 (2.4)	TM6SF2 (2.4)
9.61E-04	**<0.05**	RELB (3.2)	NFE2L3 (2.5)	CETP (2.3)
9.79E-04	**<0.05**	LPL (4.4)	GPAM (2.9)	SORT1 (2.6)
9.88E-04	**<0.05**	DOCK7 (3.8)	LDLR (3.1)	IFT172 (2.9)
9.96E-04	**<0.05**	SLC44A2 (2.4)	APOE (2.4)	KRTCAP3 (2.3)
1.02E-03	**<0.05**	ABCA1 (3.1)	PVRL2 (3.1)	PLEC (2.9)
1.03E-03	**<0.05**	LDLR (2.7)	IGF2R (2.5)	OTX1 (2.4)
1.03E-03	**<0.05**	TIMD4 (5.5)	APOE (5.1)	GCKR (5.0)
1.07E-03	**<0.05**	APOA4 (5.4)	ABCG8 (4.4)	ABCG5 (4.2)
1.09E-03	**<0.05**	RASIP1 (8.3)	CETP (5.1)	DOCK6 (4.7)
1.09E-03	**<0.05**	HP (4.8)	CILP2 (4.2)	LPA (3.2)
1.11E-03	**<0.05**	APOB (4.0)	CYP26A1 (3.4)	HNF4A (3.3)
1.11E-03	**<0.05**	SYPL2 (4.4)	C19orf80 (3.7)	GPAM (3.2)
1.13E-03	**<0.05**	LIPG (3.0)	MAFB (2.7)	TRIB1 (2.7)
1.13E-03	**<0.05**	TIMD4 (7.3)	CETP (3.9)	MAFB (3.6)
1.14E-03	**<0.05**	LPL (4.8)	APOA5 (4.0)	APOC4 (3.7)
1.16E-03	**<0.05**	LPL (2.5)	NFE2L3 (2.4)	OBP2B (2.1)
1.18E-03	**<0.05**	LIPC (8.2)	PLG (7.8)	ANGPTL3 (7.8)
1.19E-03	**<0.05**	SLC22A1 (5.9)	APOC3 (5.4)	ABCG5 (5.0)
1.20E-03	**<0.05**	DOCK6 (3.9)	KANK2 (3.4)	GATAD2A (3.3)
1.23E-03	**<0.05**	ATXN7L2 (3.2)	CYP26A1 (3.0)	PVRL2 (2.4)
1.23E-03	**<0.05**	NYNRIN (3.3)	IGF2R (3.1)	LDLR (2.7)
1.24E-03	**<0.05**	APOB (3.6)	RASIP1 (3.0)	CYP26A1 (2.6)

1.25E-03	**<0.05**	GPAM (5.7)	C19orf80 (4.3)	LPL (4.0)
1.27E-03	**<0.05**	HP (5.7)	ANGPTL3 (5.5)	PLG (4.7)
1.28E-03	**<0.05**	CILP2 (5.3)	HP (4.2)	LIPG (3.2)
1.28E-03	**<0.05**	TIMD4 (3.9)	APOC1 (3.8)	APOA4 (3.8)
1.33E-03	**<0.05**	APOA4 (5.3)	RP1 (4.6)	APOC3 (4.3)
1.35E-03	**<0.05**	TM6SF2 (3.6)	ABCG8 (3.1)	ENSG00000236267 (2
1.35E-03	**<0.05**	ENSG00000182329 (3	YSK4 (3.3)	DNAH11 (3.0)
1.36E-03	**<0.05**	PSRC1 (3.0)	TRIB1 (2.7)	SLC22A3 (2.3)
1.37E-03	**<0.05**	LIPC (7.4)	APOB (6.9)	APOC3 (6.8)
1.38E-03	**<0.05**	TOP1 (2.9)	CARM1 (2.8)	SMARCA4 (2.8)
1.39E-03	**<0.05**	PLEC (3.6)	SORT1 (2.4)	GMIP (2.4)
1.39E-03	**<0.05**	PLG (4.4)	ANGPTL3 (3.9)	SLC22A1 (3.1)
1.40E-03	**<0.05**	SPATC1 (3.0)	GOT2P1 (2.6)	C17orf57 (2.3)
1.41E-03	**<0.05**	APOC4 (4.3)	ANGPTL3 (4.1)	LPA (4.1)
1.44E-03	**<0.05**	LDLR (3.4)	PCSK9 (3.2)	APOB (3.1)
1.44E-03	**<0.05**	ZNF259 (4.4)	NOP58 (3.7)	AMPD2 (3.7)
1.44E-03	**<0.05**	LPL (6.1)	GPAM (5.5)	C19orf80 (4.2)
1.45E-03	**<0.05**	LPL (4.6)	GPAM (4.2)	APOB (4.0)
1.46E-03	**<0.05**	ABCG8 (4.9)	LCT (4.3)	TM6SF2 (3.9)
1.49E-03	**<0.05**	PVRL2 (2.9)	C11orf9 (2.6)	BCAM (2.3)
1.49E-03	**<0.05**	SLC22A1 (4.8)	APOA5 (4.5)	PLG (4.3)
1.52E-03	**<0.05**	GMIP (3.3)	MAFB (3.0)	AMPD2 (2.8)
1.53E-03	**<0.05**	SUMO1 (2.6)	MYLIP (1.9)	AMIGO1 (1.7)
1.53E-03	**<0.05**	HMGCR (3.5)	APOC3 (3.4)	APOA4 (3.2)
1.56E-03	**<0.05**	ATXN1L (3.4)	RASIP1 (3.1)	IFT172 (2.7)
1.56E-03	**<0.05**	LPA (7.1)	ABCG5 (7.1)	SLC22A1 (6.9)
1.58E-03	**<0.05**	CBLC (2.4)	EHBP1 (2.1)	ENSG00000236436 (2
1.59E-03	**<0.05**	CILP2 (5.2)	HP (4.4)	LIPG (3.1)
1.59E-03	**<0.05**	CILP2 (5.2)	HP (4.4)	LIPG (3.1)
1.61E-03	**<0.05**	BMPR2 (3.6)	PLEC (2.7)	RAB3GAP1 (2.7)
1.61E-03	**<0.05**	GPAM (4.9)	LPL (4.0)	C19orf80 (3.2)
1.61E-03	**<0.05**	SLC22A3 (2.7)	PSMA5 (2.7)	TOMM40 (2.6)
1.62E-03	**<0.05**	APOA4 (6.0)	APOC3 (5.3)	ABCG5 (5.0)
1.62E-03	**<0.05**	LPA (5.9)	SLC22A1 (5.9)	PLG (5.7)
1.63E-03	**<0.05**	PVRL2 (3.6)	RASIP1 (3.3)	TBKBP1 (3.1)
1.64E-03	**<0.05**	ABCG5 (5.9)	SLC22A1 (5.5)	ABCG8 (5.2)
1.65E-03	**<0.05**	APOC4 (5.0)	ABCG5 (5.0)	FNDC4 (4.9)
1.66E-03	**<0.05**	TRIM54 (2.3)	COL4A3BP (2.2)	PVRL2 (2.1)
1.67E-03	**<0.05**	APOA4 (5.2)	RP1 (4.6)	APOC3 (4.2)
1.68E-03	**<0.05**	PLEC (4.0)	CBLC (3.7)	HMGCR (3.4)
1.69E-03	**<0.05**	CETP (4.0)	APOE (3.2)	APOC1 (3.0)
1.71E-03	**<0.05**	CYP26A1 (3.3)	PVRL2 (3.2)	KRTCAP3 (2.8)
1.72E-03	**<0.05**	PARP10 (2.9)	SLC22A1 (2.9)	LPA (2.8)
1.72E-03	**<0.05**	GPAM (4.7)	FADS1 (4.0)	PCSK9 (3.9)
1.73E-03	**<0.05**	HP (2.7)	C19orf80 (2.3)	SLC22A1 (2.3)
1.75E-03	**<0.05**	SLC44A2 (3.4)	BCAM (3.3)	RASIP1 (3.0)
1.75E-03	**<0.05**	GPAM (4.5)	PCSK9 (3.6)	FADS1 (3.6)
1.79E-03	**<0.05**	EHBP1 (2.8)	ABCA1 (2.8)	CBLC (2.6)
1.80E-03	**<0.05**	MAFB (4.5)	TRIB1 (4.4)	CETP (4.2)
1.85E-03	**<0.05**	APOB (7.0)	APOC3 (6.0)	ABCG5 (4.6)

1.88E-03	**<0.05**	ENSG00000226806 (2	GCKR (2.3)	TM6SF2 (2.3)
1.89E-03	**<0.05**	ABCA5 (3.3)	KPNB1 (2.6)	PPM1G (2.4)
1.90E-03	**<0.05**	GPAM (4.7)	FADS1 (4.0)	PCSK9 (3.9)
1.91E-03	**<0.05**	APOC3 (5.4)	APOB (5.0)	PLG (4.5)
1.92E-03	**<0.05**	SLC22A1 (6.0)	APOA5 (5.6)	ABCG8 (5.4)
1.94E-03	**<0.05**	HP (5.0)	LPL (4.1)	TIMD4 (3.6)
1.94E-03	**<0.05**	MAFB (5.4)	TIMD4 (4.1)	HP (3.7)
1.95E-03	**<0.05**	ANGPTL3 (3.4)	LIPC (2.5)	HP (2.5)
1.98E-03	**<0.05**	ENSG00000226622 (6	ST3GAL4 (3.8)	FADS2 (2.7)
1.98E-03	**<0.05**	PLG (8.3)	ANGPTL3 (6.6)	LIPC (6.3)
1.99E-03	**<0.05**	C19orf80 (4.2)	APOB (3.8)	TRIB1 (3.1)
2.00E-03	**<0.05**	FADS1 (3.2)	LDLR (3.1)	FADS2 (2.3)
2.01E-03	**<0.05**	OTX1 (5.4)	CYP26A1 (2.5)	ENSG00000244861 (2
2.02E-03	**<0.05**	TIMD4 (5.7)	APOE (5.3)	APOC1 (4.9)
2.04E-03	**<0.05**	APOB (6.8)	APOC3 (5.8)	LIPC (5.3)
2.05E-03	**<0.05**	ZNF259 (3.7)	AMPD2 (3.2)	CARM1 (2.9)
2.07E-03	**<0.05**	ANGPTL3 (4.5)	APOC4 (4.2)	PLG (3.7)
2.10E-03	**<0.05**	ABCG8 (3.6)	TM6SF2 (2.9)	ABCG5 (2.8)
2.11E-03	**<0.05**	SLC22A1 (11.2)	LPA (7.8)	ABCG5 (7.8)
2.12E-03	**<0.05**	LDLR (3.9)	FADS1 (3.2)	GPAM (3.0)
2.13E-03	**<0.05**	LPA (3.1)	C19orf80 (2.9)	GSTM4 (2.8)
2.15E-03	**<0.05**	HP (4.7)	TM6SF2 (2.7)	YSK4 (2.5)
2.16E-03	**<0.05**	ANGPTL3 (5.7)	PLG (5.5)	LIPC (5.0)
2.18E-03	**<0.05**	HMGCR (5.3)	FADS1 (4.6)	FADS2 (4.5)
2.19E-03	**<0.05**	PARP10 (2.7)	BMPR2 (2.6)	ABCA6 (2.1)
2.26E-03	**<0.05**	RELB (5.7)	GRINA (4.6)	CLPTM1 (3.5)
2.26E-03	**<0.05**	LPAL2 (3.7)	LIPC (3.7)	ANGPTL3 (3.1)
2.29E-03	**<0.05**	RELB (4.6)	GPAM (4.3)	LPL (4.1)
2.31E-03	**<0.05**	CETP (3.4)	DOCK6 (3.3)	RASIP1 (2.6)
2.32E-03	**<0.05**	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
2.32E-03	**<0.05**	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
2.32E-03	**<0.05**	HP (4.1)	APOA5 (2.0)	HAPLN4 (1.9)
2.33E-03	**<0.05**	GCKR (3.7)	APOB (3.7)	PLG (3.4)
2.34E-03	**<0.05**	ABCG5 (3.7)	ABCG8 (3.2)	SLC22A3 (3.1)
2.35E-03	**<0.05**	APOA4 (4.0)	APOC1 (3.2)	HNF4A (3.1)
2.36E-03	**<0.05**	TRIB1 (3.8)	PARP10 (3.7)	CETP (3.1)
2.36E-03	**<0.05**	NOP58 (4.1)	ZNF259 (4.0)	AMPD2 (3.7)
2.36E-03	**<0.05**	APOE (3.1)	C17orf57 (3.1)	IGF2R (2.7)
2.36E-03	**<0.05**	GCKR (3.1)	LIPC (3.0)	ANGPTL3 (3.0)
2.37E-03	**<0.05**	HP (4.8)	CILP2 (4.1)	PLG (3.4)
2.38E-03	**<0.05**	APOC3 (5.2)	APOB (5.0)	LIPC (4.3)
2.44E-03	**<0.05**	PVRL2 (4.3)	RASIP1 (4.0)	BCAM (4.0)
2.44E-03	**<0.05**	CILP2 (5.1)	BMPR2 (3.8)	KANK2 (2.5)
2.46E-03	**<0.05**	APOC1 (5.0)	FADS2 (4.7)	FADS1 (4.6)
2.46E-03	**<0.05**	GMIP (4.3)	RELB (3.0)	SLC44A2 (2.6)
2.46E-03	**<0.05**	KPNB1 (4.5)	DARS (4.2)	SARS (4.0)
2.47E-03	**<0.05**	ERGIC3 (3.4)	ENSG00000226806 (3	SORT1 (2.5)
2.48E-03	**<0.05**	NOP58 (5.3)	ZNF259 (4.8)	TOMM40 (3.9)
2.48E-03	**<0.05**	SLC22A1 (3.7)	OBP2B (3.4)	LPA (3.0)
2.48E-03	**<0.05**	OASL (6.9)	PARP10 (4.7)	RELB (4.0)

2.51E-03	**<0.05**	NYNRIN (3.0)	CARM1 (2.7)	ENSG00000226648 (2
2.51E-03	**<0.05**	CLPTM1 (3.4)	PLEC (2.7)	KANK2 (2.7)
2.54E-03	**<0.05**	IGF2R (3.4)	USP24 (3.0)	SLC22A3 (2.6)
2.57E-03	**<0.05**	FADS2 (2.9)	ENSG00000235545 (2	LDLR (2.1)
2.57E-03	**<0.05**	APOC3 (5.3)	APOB (5.1)	LIPC (4.4)
2.65E-03	**<0.05**	USP24 (2.8)	TRIB1 (2.7)	ABCA1 (2.5)
2.66E-03	**<0.05**	CILP2 (4.7)	BCAM (2.8)	CELSR2 (2.6)
2.67E-03	**<0.05**	SLC22A1 (3.7)	LPA (3.5)	SLC22A2 (3.0)
2.67E-03	**<0.05**	PLEC (3.2)	TRAM2 (2.8)	DOCK7 (2.5)
2.70E-03	**<0.05**	DOCK7 (3.3)	ABCA1 (2.7)	IGF2R (2.5)
2.71E-03	**<0.05**	ZNF259 (3.8)	AMPD2 (3.0)	ATP13A1 (2.8)
2.75E-03	**<0.05**	TRAM2 (3.2)	ABCA6 (2.9)	KANK2 (2.8)
2.76E-03	**<0.05**	ATXN7L2 (3.2)	CYP26A1 (3.0)	PVRL2 (2.4)
2.78E-03	**<0.05**	APOE (5.9)	LIPC (5.1)	APOC3 (4.7)
2.78E-03	**<0.05**	MAU2 (2.8)	PLEC (2.7)	USP24 (2.7)
2.80E-03	**<0.05**	ENSG00000254235 (3	ATXN1L (2.6)	USP24 (2.4)
2.85E-03	**<0.05**	ABCG8 (3.5)	ST3GAL4 (3.2)	APOC1 (2.6)
2.86E-03	**<0.05**	HP (4.1)	ENSG00000231204 (3	TRIM54 (2.2)
2.86E-03	**<0.05**	APOC3 (5.3)	APOB (5.0)	LIPC (4.3)
2.87E-03	**<0.05**	IGF2R (3.2)	NYNRIN (3.1)	ZRANB3 (2.6)
2.87E-03	**<0.05**	ENSG00000244861 (2	C19orf80 (1.9)	ENSG00000256731 (1
2.90E-03	**<0.05**	APOE (4.5)	APOC1 (3.9)	TIMD4 (3.7)
2.94E-03	**<0.05**	TRAM2 (3.2)	PLEC (3.0)	BMPR2 (2.9)
2.94E-03	**<0.05**	RELB (4.3)	PVR (3.2)	MAFB (3.1)
2.99E-03	**<0.05**	GPAM (5.2)	LPL (4.5)	C19orf80 (4.1)
3.00E-03	**<0.05**	IFT172 (3.0)	DHODH (3.0)	GOT2P1 (2.9)
3.03E-03	**<0.05**	RELB (2.7)	PLCG1 (2.5)	IGF2R (2.3)
3.04E-03	**<0.05**	GPAM (4.9)	FADS1 (4.1)	PCSK9 (4.0)
3.04E-03	**<0.05**	SLC22A1 (4.6)	APOC1 (3.9)	FADS2 (3.8)
3.07E-03	**<0.05**	NYNRIN (3.4)	C19orf80 (3.2)	TBKBP1 (2.8)
3.09E-03	**<0.05**	ANGPTL3 (2.6)	GCKR (2.6)	PLG (2.4)
3.11E-03	**<0.05**	PVRL2 (3.2)	TRAM2 (3.1)	RASIP1 (2.8)
3.11E-03	**<0.05**	RASIP1 (3.4)	PVR (3.2)	PVRL2 (3.1)
3.11E-03	**<0.05**	GPAM (4.0)	C19orf80 (3.9)	SORT1 (3.5)
3.12E-03	**<0.05**	RASIP1 (6.5)	DOCK6 (4.6)	PVR (2.8)
3.12E-03	**<0.05**	AMPD2 (3.8)	ZNF259 (3.6)	NOP58 (3.4)
3.19E-03	**<0.05**	ENSG00000226645 (2	CBLC (2.7)	LIPG (2.3)
3.20E-03	**<0.05**	GPAM (4.0)	C19orf80 (3.4)	LPL (3.2)
3.20E-03	**<0.05**	HMGCR (7.1)	FADS2 (6.1)	FADS1 (6.0)
3.22E-03	**<0.05**	LIPC (6.7)	APOC3 (6.5)	APOB (6.3)
3.24E-03	**<0.05**	LPA (7.0)	TIMD4 (4.9)	LPAL2 (4.7)
3.26E-03	**<0.05**	RASIP1 (4.6)	BCAM (4.0)	DOCK6 (4.0)
3.27E-03	**<0.05**	CEP250 (3.5)	ATP13A1 (3.4)	SNX17 (3.2)
3.31E-03	<0.20	ABCG8 (6.3)	ABCG5 (5.3)	GSTM4 (4.4)
3.36E-03	<0.20	ZNF259 (4.5)	NOP58 (4.3)	TOMM40 (3.8)
3.37E-03	<0.20	LPAL2 (4.0)	PLG (3.9)	HP (3.6)
3.38E-03	<0.20	PLG (5.0)	APOC1 (4.9)	ANGPTL3 (4.8)
3.39E-03	<0.20	LIPC (2.8)	GCKR (2.8)	SPATC1 (2.8)
3.40E-03	<0.20	LPAL2 (4.2)	HNF1A (3.9)	ABO (3.9)
3.41E-03	<0.20	PVRL2 (4.4)	C11orf9 (4.1)	ZNF513 (3.4)

3.42E-03	<0.20	RASIP1 (6.5)	DOCK6 (4.6)	KANK2 (2.8)
3.44E-03	<0.20	ABCG8 (4.8)	ABCG5 (4.4)	APOA4 (4.0)
3.44E-03	<0.20	ABCG8 (4.8)	ABCG5 (4.4)	APOA4 (4.0)
3.45E-03	<0.20	MAFB (4.8)	GSTM5 (2.6)	LIPG (2.4)
3.46E-03	<0.20	OASL (3.9)	YIPF2 (2.8)	CEP250 (2.6)
3.47E-03	<0.20	APOC4 (3.8)	PLG (3.1)	HMGCR (3.1)
3.50E-03	<0.20	SYPL2 (3.3)	LPA (3.3)	C19orf80 (2.9)
3.50E-03	<0.20	SYPL2 (3.3)	LPA (3.3)	C19orf80 (2.9)
3.52E-03	<0.20	OASL (5.0)	PARP10 (4.2)	TRIB1 (4.1)
3.53E-03	<0.20	CYP26A1 (3.4)	TRIB1 (2.5)	OTX1 (2.5)
3.53E-03	<0.20	FADS2 (3.7)	RASIP1 (2.8)	FADS1 (2.7)
3.57E-03	<0.20	YIPF2 (3.3)	LDLR (3.2)	ERGIC3 (2.9)
3.58E-03	<0.20	ABCA1 (3.0)	MAFB (2.8)	RELB (2.4)
3.58E-03	<0.20	IGF2R (4.1)	ATXN1L (3.1)	CYP26A1 (2.6)
3.59E-03	<0.20	CLPTM1 (2.6)	HAVCR1 (2.5)	ABCA1 (2.4)
3.62E-03	<0.20	HMGCR (13.2)	LDLR (11.3)	FADS1 (9.4)
3.63E-03	<0.20	LPAL2 (5.2)	LPA (4.5)	APOC4 (4.2)
3.63E-03	<0.20	NOP58 (4.6)	ZNF259 (4.5)	AMPD2 (3.1)
3.65E-03	<0.20	RASIP1 (3.4)	PVR (3.2)	TRAM2 (3.2)
3.65E-03	<0.20	PARP10 (4.8)	RELB (3.6)	OASL (3.5)
3.67E-03	<0.20	ABCA1 (2.3)	APOB (2.2)	APOA4 (2.1)
3.73E-03	<0.20	OBP2B (3.6)	KRTCAP3 (3.2)	ABCA6 (2.6)
3.74E-03	<0.20	APOE (3.1)	ERGIC3 (3.0)	TRAM2 (2.7)
3.77E-03	<0.20	LPL (3.5)	ATXN7L2 (2.8)	TRIB1 (2.7)
3.77E-03	<0.20	DARS (3.8)	CLPTM1 (3.3)	SARS (3.3)
3.77E-03	<0.20	GCKR (2.7)	LIPC (2.7)	GOT2P1 (2.6)
3.78E-03	<0.20	LPA (3.5)	SYPL2 (3.3)	C19orf80 (3.0)
3.79E-03	<0.20	HP (4.4)	LIPC (4.2)	PLG (4.2)
3.82E-03	<0.20	NOP58 (4.1)	TOMM40 (3.8)	ZNF259 (3.8)
3.82E-03	<0.20	GPAM (4.4)	PCSK9 (3.6)	FADS1 (3.5)
3.83E-03	<0.20	HMGCR (5.8)	FADS1 (5.1)	FADS2 (5.0)
3.87E-03	<0.20	FADS1 (4.8)	LDLR (3.8)	KRTCAP3 (3.3)
3.88E-03	<0.20	ZNF259 (4.2)	NOP58 (4.2)	TOMM40 (3.6)
3.88E-03	<0.20	FGF21 (2.9)	LPAR2 (2.7)	NFE2L3 (2.4)
3.92E-03	<0.20	PARP10 (5.8)	OASL (5.3)	DHODH (2.5)
3.93E-03	<0.20	GCKR (3.1)	APOA5 (3.0)	C17orf57 (2.8)
3.93E-03	<0.20	LIPG (3.1)	PVRL2 (2.9)	FNDC4 (2.9)
3.93E-03	<0.20	LIPC (5.4)	HNF4A (4.1)	APOB (3.8)
3.93E-03	<0.20	NOP58 (5.0)	ZNF259 (5.0)	DHODH (3.9)
3.95E-03	<0.20	APOB (7.1)	APOC3 (7.1)	ANGPTL3 (6.1)
3.97E-03	<0.20	SLC22A1 (4.1)	ENSG00000236267 (3	LPA (3.7)
4.02E-03	<0.20	BUD13 (3.5)	NRBP1 (2.8)	PLG (2.7)
4.02E-03	<0.20	SLC22A1 (7.2)	ABCG5 (6.6)	LPA (6.4)
4.04E-03	<0.20	CYP26A1 (3.5)	PLCG1 (2.7)	LDLR (2.3)
4.06E-03	<0.20	CYP26A1 (4.4)	NYNRIN (2.8)	IGF2R (2.3)
4.07E-03	<0.20	SARS (4.5)	NRBP1 (3.4)	DARS (2.9)
4.08E-03	<0.20	RASIP1 (3.4)	PVR (3.1)	TRAM2 (3.1)
4.10E-03	<0.20	ST3GAL4 (2.6)	KPNB1 (2.5)	YIPF2 (2.5)
4.13E-03	<0.20	FER1L4 (4.0)	GSTM4 (2.9)	IZUMO1 (2.8)
4.15E-03	<0.20	RASIP1 (2.7)	DNAH11 (2.6)	GPR61 (2.5)

4.16E-03	<0.20	PARP10 (3.0)	MAU2 (2.9)	USP24 (2.7)
4.18E-03	<0.20	RELB (4.1)	GMIP (3.6)	CETP (3.3)
4.18E-03	<0.20	ABCG5 (7.3)	SLC22A1 (6.7)	ABCG8 (5.6)
4.21E-03	<0.20	ATXN7L2 (3.1)	C17orf57 (2.7)	MAP3K4 (2.7)
4.21E-03	<0.20	ERGIC3 (4.1)	ATP13A1 (3.2)	SORT1 (3.1)
4.25E-03	<0.20	LDLR (3.6)	GRINA (3.1)	HMGCR (2.9)
4.27E-03	<0.20	ANGPTL3 (5.0)	PLG (4.6)	ABCG8 (4.2)
4.28E-03	<0.20	KPNB1 (3.6)	NUP93 (3.2)	SARS (3.2)
4.29E-03	<0.20	RASIP1 (7.2)	CETP (6.1)	DOCK6 (3.9)
4.33E-03	<0.20	NYNRIN (2.9)	DOCK6 (2.6)	GDF5 (2.1)
4.34E-03	<0.20	GNAI3 (3.4)	CARM1 (2.9)	LIPC (2.8)
4.35E-03	<0.20	CELSR2 (3.8)	PVRL2 (3.3)	SARS (3.0)
4.35E-03	<0.20	ANGPTL3 (3.7)	PCSK9 (3.4)	LIPC (3.4)
4.36E-03	<0.20	BUD13 (3.2)	SUMO1 (2.5)	POC5 (2.3)
4.38E-03	<0.20	LCT (4.0)	APOA4 (3.5)	SLC22A2 (3.1)
4.42E-03	<0.20	FADS2 (7.3)	HMGCR (7.0)	LDLR (6.9)
4.48E-03	<0.20	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
4.48E-03	<0.20	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
4.48E-03	<0.20	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
4.50E-03	<0.20	TIMD4 (5.9)	CETP (5.0)	HP (2.2)
4.51E-03	<0.20	ABCG8 (10.7)	APOA5 (6.6)	APOC4 (5.9)
4.55E-03	<0.20	LPL (5.7)	TM6SF2 (3.2)	APOC1 (3.1)
4.59E-03	<0.20	SLC22A3 (3.8)	RELB (3.4)	CETP (3.1)
4.59E-03	<0.20	ST3GAL4 (2.7)	KPNB1 (2.4)	ZNF513 (2.4)
4.60E-03	<0.20	APOC3 (5.2)	APOB (5.1)	LIPC (4.3)
4.61E-03	<0.20	PLG (3.5)	ANGPTL3 (3.5)	GPAM (2.9)
4.61E-03	<0.20	BCAM (3.8)	CILP2 (3.2)	CYP26A1 (2.9)
4.61E-03	<0.20	APOA4 (5.8)	LIPC (4.3)	APOB (4.0)
4.61E-03	<0.20	APOA4 (5.8)	LIPC (4.3)	APOB (4.0)
4.66E-03	<0.20	PLG (3.8)	ANGPTL3 (3.4)	APOC4 (2.9)
4.66E-03	<0.20	APOE (3.5)	RASIP1 (2.6)	LPL (2.5)
4.75E-03	<0.20	APOB (3.2)	GCKR (2.8)	GPAM (2.8)
4.77E-03	<0.20	NOP58 (3.0)	PSRC1 (2.7)	USP1 (2.5)
4.78E-03	<0.20	APOB (7.7)	APOC3 (7.6)	APOA4 (7.0)
4.80E-03	<0.20	RASIP1 (4.2)	DOCK6 (3.7)	BMPR2 (2.7)
4.81E-03	<0.20	HP (5.1)	FUT2 (2.7)	DNAH11 (2.5)
4.86E-03	<0.20	APOE (4.1)	KANK2 (3.3)	APOC1 (3.1)
4.94E-03	<0.20	OTX1 (2.9)	ENSG00000254235 (2	PLCG1 (2.5)
4.97E-03	<0.20	HP (5.0)	ABCA1 (3.0)	RELB (2.9)
4.98E-03	<0.20	SLC22A1 (6.5)	LPA (5.9)	TM6SF2 (5.5)
4.99E-03	<0.20	TIMD4 (5.5)	APOE (5.5)	APOC1 (3.7)
5.00E-03	<0.20	LIPC (7.1)	APOC3 (6.4)	APOB (6.4)
5.02E-03	<0.20	APOC1 (5.8)	LPL (5.5)	GPAM (4.4)
5.03E-03	<0.20	APOB (6.2)	PLG (6.1)	APOC3 (5.9)
5.03E-03	<0.20	IGF2R (1.9)	IFT172 (1.8)	SUMO1 (1.8)
5.05E-03	<0.20	ANGPTL3 (6.6)	PLG (6.4)	LIPC (5.6)
5.06E-03	<0.20	ST3GAL4 (3.3)	FER1L4 (3.0)	LPA (3.0)
5.08E-03	<0.20	ANGPTL3 (3.4)	GCKR (3.3)	LIPC (3.2)
5.11E-03	<0.20	PPM1G (3.9)	TOMM40 (3.5)	KPNB1 (2.8)
5.12E-03	<0.20	FADS2 (3.9)	FADS1 (3.6)	SLC22A2 (3.5)

5.13E-03	<0.20	ENSG00000244861 (3	BMPR2 (3.2)	MYLIP (3.2)
5.13E-03	<0.20	RASIP1 (4.7)	DOCK6 (4.1)	LIPG (3.2)
5.15E-03	<0.20	NOP58 (5.5)	ZNF259 (5.2)	TOMM40 (4.0)
5.17E-03	<0.20	GPAM (3.7)	C19orf80 (2.9)	TM6SF2 (2.8)
5.17E-03	<0.20	PLG (5.4)	LIPC (5.4)	ANGPTL3 (5.2)
5.18E-03	<0.20	FER1L4 (3.8)	C11orf9 (3.3)	KANK2 (3.2)
5.19E-03	<0.20	KPNB1 (3.6)	USP24 (3.4)	NRBP1 (3.0)
5.24E-03	<0.20	ENSG00000231204 (2	SLC44A2 (2.2)	MAU2 (2.2)
5.26E-03	<0.20	NYNRIN (3.3)	CEP250 (3.2)	USP1 (2.7)
5.28E-03	<0.20	RASIP1 (6.8)	DOCK6 (3.0)	ENSG00000226806 (2
5.28E-03	<0.20	HAVCR1 (4.9)	HAPLN4 (3.9)	ZHX3 (2.9)
5.31E-03	<0.20	HMGCR (5.1)	FADS2 (4.7)	LDLR (4.2)
5.32E-03	<0.20	NRBP1 (3.4)	BUD13 (3.4)	NPEPPS (2.7)
5.33E-03	<0.20	NOP58 (5.9)	ZNF259 (4.3)	TOMM40 (4.2)
5.34E-03	<0.20	DNAH11 (2.3)	ZHX3 (2.1)	ENSG00000231204 (2
5.37E-03	<0.20	CARM1 (3.1)	PLEC (3.0)	CBLC (2.8)
5.37E-03	<0.20	NOP58 (5.6)	ZNF259 (5.1)	TOMM40 (3.7)
5.38E-03	<0.20	MCM6 (3.1)	NUP93 (3.1)	KPNB1 (3.0)
5.40E-03	<0.20	RELB (4.4)	PLEC (2.8)	PLG (2.7)
5.40E-03	<0.20	CLPTM1 (4.2)	GRINA (4.1)	SNX17 (2.7)
5.40E-03	<0.20	MAP3K4 (3.9)	KPNB1 (3.1)	ATP13A1 (2.9)
5.41E-03	<0.20	GPAM (6.2)	LPL (5.2)	C19orf80 (3.4)
5.45E-03	<0.20	APOB (5.0)	LIPC (3.9)	APOC3 (3.8)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.46E-03	<0.20	HAVCR1 (4.8)	HAPLN4 (3.7)	C11orf9 (3.2)
5.50E-03	<0.20	FADS1 (4.9)	FADS2 (4.8)	GPAM (4.6)
5.50E-03	<0.20	FADS1 (4.9)	FADS2 (4.8)	GPAM (4.6)
5.51E-03	<0.20	APOC4 (3.9)	PLG (3.9)	ANGPTL3 (3.4)
5.53E-03	<0.20	LCT (4.2)	APOA4 (3.6)	TM6SF2 (3.3)
5.55E-03	<0.20	NOP58 (4.2)	ZNF259 (4.2)	DHODH (3.2)
5.56E-03	<0.20	PLEC (3.5)	RELB (3.5)	CLPTM1 (3.1)
5.56E-03	<0.20	C11orf9 (3.9)	BCAM (3.5)	PVR (2.5)
5.60E-03	<0.20	TRIB1 (3.2)	ABCA6 (2.5)	PSRC1 (2.5)
5.68E-03	<0.20	MAU2 (3.0)	GMIP (2.6)	USP24 (2.6)
5.77E-03	<0.20	CYP26A1 (4.6)	GATAD2A (2.7)	FUT1 (2.3)
5.80E-03	<0.20	ZNF259 (4.7)	NOP58 (4.6)	TOMM40 (3.6)
5.81E-03	<0.20	ZNF259 (4.8)	TOMM40 (4.8)	NOP58 (4.2)
5.82E-03	<0.20	NRBP1 (3.7)	KPNB1 (3.0)	PSMA5 (2.5)
5.83E-03	<0.20	NOP58 (5.5)	ZNF259 (4.6)	TOMM40 (3.6)
5.84E-03	<0.20	APOE (4.4)	BCAM (3.2)	SLC22A1 (2.6)
5.85E-03	<0.20	OTX1 (4.9)	CYP26A1 (3.5)	NYNRIN (2.4)
5.86E-03	<0.20	SLC22A1 (3.5)	APOA5 (3.4)	PLG (3.4)
5.89E-03	<0.20	ANGPTL3 (3.3)	PCSK9 (3.2)	LIPC (3.1)
5.91E-03	<0.20	PVRL2 (3.3)	ZNF513 (3.0)	PVR (2.8)
5.93E-03	<0.20	BCAM (3.5)	CYP26A1 (2.9)	NYNRIN (2.7)
6.05E-03	<0.20	TRIB1 (2.9)	PLEC (2.9)	LDLR (2.4)

6.06E-03	<0.20	ENSG00000235545 (3	DOCK6 (3.3)	CBLC (3.1)
6.08E-03	<0.20	ABCA1 (3.3)	MAFB (3.2)	APOE (3.1)
6.09E-03	<0.20	TM6SF2 (7.3)	ABCG5 (6.3)	APOA4 (5.8)
6.15E-03	<0.20	RASIP1 (4.5)	COL4A3BP (3.1)	SLC22A3 (2.3)
6.17E-03	<0.20	HAVCR1 (2.9)	USP24 (2.6)	APOE (2.4)
6.18E-03	<0.20	GPAM (3.9)	GSTM4 (3.6)	TM6SF2 (3.2)
6.18E-03	<0.20	GPAM (3.9)	GSTM4 (3.6)	TM6SF2 (3.2)
6.25E-03	<0.20	POC5 (3.1)	MAP3K4 (3.0)	DOCK7 (3.0)
6.39E-03	<0.20	ABCA1 (4.7)	RELB (3.8)	MAFB (3.6)
6.41E-03	<0.20	C19orf80 (3.2)	GSTM4 (2.8)	SYPL2 (2.8)
6.43E-03	<0.20	POC5 (3.2)	CARM1 (2.9)	USP1 (2.8)
6.52E-03	<0.20	NOP58 (4.0)	ZNF259 (3.9)	TOMM40 (3.6)
6.53E-03	<0.20	DOCK6 (5.3)	RASIP1 (5.2)	MAFB (3.3)
6.53E-03	<0.20	NOP58 (4.8)	ZNF259 (4.7)	TOMM40 (3.5)
6.57E-03	<0.20	NOP58 (4.0)	ZNF259 (3.6)	PSMA5 (3.4)
6.58E-03	<0.20	BMPR2 (2.8)	DOCK7 (2.3)	TRAM2 (2.0)
6.58E-03	<0.20	SLC22A1 (3.7)	ABCG8 (3.5)	TM6SF2 (3.4)
6.59E-03	<0.20	PLCG1 (3.1)	RASIP1 (2.9)	MAFB (2.6)
6.68E-03	<0.20	SLC22A1 (8.3)	LPA (5.7)	ABCG8 (5.4)
6.68E-03	<0.20	LPA (3.8)	HP (3.5)	APOA5 (2.7)
6.69E-03	<0.20	NFE2L3 (2.7)	KANK2 (2.4)	CETP (2.3)
6.72E-03	<0.20	TRIB1 (3.6)	C11orf9 (3.1)	HNF4A (3.1)
6.73E-03	<0.20	NOP58 (5.8)	ZNF259 (4.8)	TOMM40 (3.7)
6.75E-03	<0.20	ABCG8 (5.5)	CETP (4.0)	TIMD4 (3.2)
6.79E-03	<0.20	NOP58 (5.1)	ZNF259 (4.9)	TOMM40 (4.1)
6.82E-03	<0.20	ABCG8 (3.6)	GCKR (2.6)	GRINA (2.6)
6.88E-03	<0.20	FUT1 (3.8)	NYNRIN (2.0)	CBLC (1.8)
6.89E-03	<0.20	SLC44A2 (2.5)	TRAM2 (2.4)	CETP (2.4)
6.93E-03	<0.20	NOP58 (3.9)	ZNF259 (3.3)	TOMM40 (3.1)
7.03E-03	<0.20	PLEC (3.8)	HNF4A (3.7)	BCAM (3.5)
7.04E-03	<0.20	ABCG8 (6.3)	ABCG5 (4.3)	ABCA6 (4.2)
7.08E-03	<0.20	LPAR2 (2.5)	LIPG (2.5)	PVRL2 (2.4)
7.11E-03	<0.20	FADS2 (3.2)	LPAL2 (3.1)	GPAM (3.1)
7.12E-03	<0.20	APOC1 (4.2)	CETP (3.0)	ABCA1 (3.0)
7.14E-03	<0.20	APOB (3.1)	APOC3 (2.9)	CBLC (2.5)
7.14E-03	<0.20	NOP58 (4.8)	ZNF259 (4.7)	TOMM40 (3.1)
7.14E-03	<0.20	RASIP1 (3.4)	TRAM2 (3.1)	LIPG (3.1)
7.27E-03	<0.20	ZNF259 (3.6)	C12orf43 (3.2)	KPNB1 (3.1)
7.30E-03	<0.20	USP1 (3.6)	POC5 (3.3)	MCM6 (3.0)
7.31E-03	<0.20	LPL (5.2)	GPAM (5.0)	C19orf80 (3.8)
7.37E-03	<0.20	APOA4 (3.3)	LCT (3.3)	SLC22A2 (3.2)
7.37E-03	<0.20	PLEC (3.3)	LIPG (2.9)	APOC4 (2.3)
7.37E-03	<0.20	KANK2 (3.7)	USP24 (2.6)	MAP3K4 (2.1)
7.38E-03	<0.20	HP (5.5)	MAFB (3.8)	TIMD4 (3.6)
7.39E-03	<0.20	HAPLN4 (4.4)	HAVCR1 (3.7)	C11orf9 (3.1)
7.44E-03	<0.20	PLEC (3.0)	ST3GAL4 (2.7)	DOCK6 (2.7)
7.51E-03	<0.20	C11orf9 (2.6)	ABO (2.3)	PBX4 (2.2)
7.51E-03	<0.20	TM6SF2 (3.9)	APOC4 (2.9)	ABCA6 (2.6)
7.56E-03	<0.20	C11orf9 (4.2)	HNF4A (4.1)	FUT2 (3.3)
7.59E-03	<0.20	ENSG00000226622 (5	ST3GAL4 (4.4)	ENSG00000226645 (3

7.60E-03	<0.20	TRIB1 (4.8)	PLEC (2.8)	ABCG5 (2.4)
7.60E-03	<0.20	FER1L4 (3.4)	GSTM4 (2.9)	C19orf80 (2.6)
7.61E-03	<0.20	TRIB1 (4.4)	PARP10 (3.2)	BMPR2 (3.2)
7.65E-03	<0.20	RASIP1 (2.5)	LPIN3 (2.3)	DNAH11 (2.2)
7.69E-03	<0.20	PSMA5 (2.9)	SNX17 (2.9)	SUMO1 (2.6)
7.72E-03	<0.20	PSMA5 (4.2)	UBXN4 (3.6)	NFE2L3 (3.3)
7.72E-03	<0.20	LPL (4.3)	GPAM (3.4)	APOA5 (2.8)
7.78E-03	<0.20	FADS1 (4.7)	FGF21 (3.5)	ABCA6 (3.1)
7.79E-03	<0.20	SMARCA4 (2.7)	CARM1 (2.6)	TRIB1 (2.5)
7.79E-03	<0.20	ZNF259 (4.6)	NOP58 (4.2)	TOMM40 (3.3)
7.80E-03	<0.20	GOT2P1 (2.8)	LIPG (2.7)	C17orf57 (2.7)
7.85E-03	<0.20	NYNRIN (3.2)	CILP2 (2.6)	ST3GAL4 (2.0)
7.85E-03	<0.20	LCT (5.1)	APOA4 (4.3)	GOT2P1 (3.5)
7.86E-03	<0.20	SLC22A1 (8.7)	LPA (6.2)	ABCG5 (6.1)
7.88E-03	<0.20	GSTM4 (2.6)	C19orf80 (2.6)	LPA (2.5)
7.90E-03	<0.20	PLEC (3.0)	LPL (2.5)	GNAI3 (2.3)
7.92E-03	<0.20	PLG (6.3)	LIPC (5.9)	ANGPTL3 (5.5)
7.93E-03	<0.20	APOB (5.2)	LIPC (5.0)	PLG (4.7)
7.93E-03	<0.20	APOB (5.2)	LIPC (5.0)	PLG (4.7)
7.93E-03	<0.20	APOA4 (2.8)	HNF1A (2.8)	ABCG5 (2.5)
7.93E-03	<0.20	RP1 (6.3)	GNAT2 (4.2)	DOCK6 (3.1)
7.94E-03	<0.20	YIPF2 (4.0)	C19orf52 (2.7)	CLPTM1 (2.7)
7.96E-03	<0.20	RP1 (2.9)	ENSG00000231204 (2	IZUMO1 (2.3)
8.00E-03	<0.20	CYP26A1 (4.7)	CILP2 (4.0)	GDF5 (3.7)
8.08E-03	<0.20	CYP26A1 (3.9)	CARM1 (3.4)	NRBP1 (2.6)
8.09E-03	<0.20	APOA5 (3.4)	ZNF821 (2.5)	IFT172 (2.2)
8.15E-03	<0.20	APOE (5.9)	TIMD4 (4.9)	APOC1 (3.6)
8.15E-03	<0.20	RASIP1 (6.3)	DOCK6 (4.6)	PVR (4.0)
8.22E-03	<0.20	RASIP1 (3.5)	DOCK6 (3.0)	TRIM54 (2.8)
8.27E-03	<0.20	GCKR (2.8)	FER1L4 (2.6)	TSSK6 (2.5)
8.28E-03	<0.20	UBXN4 (4.3)	TOMM40 (4.3)	SARS (3.6)
8.36E-03	<0.20	LPL (6.5)	APOC1 (3.2)	GPAM (3.0)
8.40E-03	<0.20	CILP2 (2.9)	GRINA (2.6)	RASIP1 (2.5)
8.41E-03	<0.20	NOP58 (5.4)	ZNF259 (5.1)	TOMM40 (3.9)
8.49E-03	<0.20	PARP10 (3.1)	USP24 (2.7)	GDF5 (2.3)
8.49E-03	<0.20	APOC3 (6.1)	APOB (5.8)	LIPC (4.6)
8.52E-03	<0.20	OTX1 (3.2)	CYP26A1 (2.2)	RP1 (2.0)
8.53E-03	<0.20	UBXN4 (4.2)	FADS2 (3.9)	YIPF2 (3.5)
8.58E-03	<0.20	CYP26A1 (3.5)	ATXN1L (2.1)	IGF2R (1.9)
8.59E-03	<0.20	TOP1 (2.8)	SMARCA4 (2.8)	ATP13A1 (2.4)
8.67E-03	<0.20	APOA5 (3.2)	ZNF821 (2.7)	IFT172 (2.2)
8.73E-03	<0.20	ENSG00000236267 ((	FADS2 (2.7)	GCKR (2.7)
8.74E-03	<0.20	ABCA1 (4.6)	RASIP1 (3.8)	DOCK6 (3.6)
8.75E-03	<0.20	IGF2R (2.6)	ABCA1 (2.5)	LDLR (2.2)
8.76E-03	<0.20	LPA (5.1)	SLC22A1 (4.3)	TIMD4 (4.1)
8.79E-03	<0.20	RASIP1 (4.9)	DOCK6 (4.4)	LIPG (2.9)
8.80E-03	<0.20	DOCK6 (5.2)	RASIP1 (4.7)	KANK2 (3.1)
8.81E-03	<0.20	BUD13 (3.7)	C19orf52 (2.6)	MAP3K4 (2.3)
8.82E-03	<0.20	RELB (5.6)	TIMD4 (3.2)	GRINA (3.1)
8.85E-03	<0.20	DHODH (3.2)	GSTM4 (3.2)	SARS (2.9)

8.85E-03	<0.20	APOA5 (3.3)	ZNF821 (2.6)	IFT172 (2.3)
8.88E-03	<0.20	APOE (3.5)	CELSR2 (2.6)	YSK4 (2.2)
8.91E-03	<0.20	PSMA5 (3.4)	KPNB1 (2.7)	ENSG00000235545 (2
8.93E-03	<0.20	ABCG5 (4.8)	ABCG8 (4.3)	TM6SF2 (4.3)
8.94E-03	<0.20	ERGIC3 (3.7)	ATP13A1 (3.1)	IGF2R (2.7)
8.95E-03	<0.20	DOCK6 (3.1)	EHBP1 (2.7)	PVRL2 (2.5)
9.00E-03	<0.20	RP1 (5.6)	APOA4 (4.3)	APOC3 (3.8)
9.00E-03	<0.20	GSTM4 (3.7)	NYNRIN (3.0)	LIPG (2.6)
9.00E-03	<0.20	GSTM4 (3.7)	NYNRIN (3.0)	LIPG (2.6)
9.02E-03	<0.20	HAVCR1 (2.7)	HAPLN4 (2.6)	PGS1 (2.4)
9.10E-03	<0.20	APOB (1.9)	CELSR2 (1.7)	HNF1A (1.7)
9.18E-03	<0.20	GPAM (3.3)	LPL (2.5)	C19orf80 (2.4)
9.19E-03	<0.20	NOP58 (4.7)	KPNB1 (3.1)	DARS (3.0)
9.21E-03	<0.20	CBLC (4.0)	DOCK6 (2.7)	LIPG (2.5)
9.22E-03	<0.20	HMGCR (3.6)	FADS1 (3.6)	FADS2 (3.4)
9.30E-03	<0.20	TRIM54 (6.5)	SYPL2 (3.0)	RELB (2.9)
9.32E-03	<0.20	PARP10 (5.0)	MAFB (4.0)	ABCA1 (3.4)
9.32E-03	<0.20	FUT1 (2.5)	MAFB (2.4)	CELSR2 (2.1)
9.32E-03	<0.20	RELB (5.2)	CARM1 (2.5)	NUP93 (2.4)
9.33E-03	<0.20	ST3GAL4 (2.6)	ENSG00000254235 (2	HNF4A (2.2)
9.33E-03	<0.20	ST3GAL4 (2.6)	ENSG00000254235 (2	HNF4A (2.2)
9.33E-03	<0.20	SPATC1 (4.2)	ABCA1 (4.0)	LIPC (4.0)
9.33E-03	<0.20	SPATC1 (4.2)	ABCA1 (4.0)	LIPC (4.0)
9.33E-03	<0.20	SPATC1 (4.2)	ABCA1 (4.0)	LIPC (4.0)
9.35E-03	<0.20	FADS1 (7.8)	HMGCR (7.5)	FADS2 (7.1)
9.35E-03	<0.20	ENSG00000256731 (3	RELB (2.9)	SLC22A3 (2.8)
9.36E-03	<0.20	SLC44A2 (3.6)	GMIP (3.6)	CETP (2.5)
9.37E-03	<0.20	NOP58 (5.4)	ZNF259 (4.8)	TOMM40 (3.7)
9.37E-03	<0.20	ENSG00000256731 (3	CETP (2.9)	RELB (2.8)
9.38E-03	<0.20	LIPC (2.5)	GCKR (2.3)	CETP (2.2)
9.41E-03	<0.20	UBXN4 (3.1)	ENSG00000236267 (3	ENSG00000254235 (2
9.44E-03	<0.20	PLG (6.1)	APOB (5.7)	LIPC (5.5)
9.46E-03	<0.20	MYLIP (3.0)	BUD13 (2.4)	GSTM4 (2.3)
9.50E-03	<0.20	TIMD4 (3.6)	BMPR2 (2.9)	LPL (2.4)
9.56E-03	<0.20	DOCK7 (3.4)	IFT172 (3.0)	NYNRIN (3.0)
9.56E-03	<0.20	LIPC (2.6)	GCKR (2.2)	CETP (2.1)
9.57E-03	<0.20	LIPC (2.5)	GCKR (2.3)	CETP (2.1)
9.58E-03	<0.20	FADS2 (3.3)	TM6SF2 (3.1)	LPAL2 (3.1)
9.59E-03	<0.20	RASIP1 (5.7)	TRAM2 (3.6)	FER1L4 (2.5)
9.62E-03	<0.20	NRBP1 (3.3)	UBXN4 (3.3)	YIPF2 (3.2)
9.64E-03	<0.20	LIPC (4.7)	APOB (4.0)	APOC3 (3.5)
9.65E-03	<0.20	APOC3 (5.2)	APOB (4.6)	LIPC (3.6)
9.65E-03	<0.20	APOB (2.6)	ABCG5 (2.6)	GPAM (2.6)
9.69E-03	<0.20	GMIP (3.9)	RELB (3.4)	TBKBP1 (3.3)
9.73E-03	<0.20	PLG (6.2)	LIPC (5.9)	APOB (5.6)
9.73E-03	<0.20	USP24 (2.9)	PARP10 (2.8)	GMIP (2.7)
9.75E-03	<0.20	GPAM (3.7)	GSTM4 (3.5)	ANGPTL3 (3.5)
9.76E-03	<0.20	CILP2 (6.1)	BMPR2 (3.2)	LPL (2.4)
9.77E-03	<0.20	ENSG00000228044 (3	YSK4 (2.6)	GCKR (2.4)
9.80E-03	<0.20	HAVCR1 (2.9)	BCAM (2.8)	TRIB1 (2.5)

9.86E-03	<0.20	SMARCA4 (3.6)	NOP58 (3.5)	DARS (3.1)
9.92E-03	<0.20	APOB (3.1)	LPL (2.8)	APOE (2.7)
9.92E-03	<0.20	LCT (4.9)	APOA4 (4.1)	GOT2P1 (3.1)
9.97E-03	<0.20	NOP58 (3.0)	DARS (2.9)	IST1 (2.6)
0.01	<0.20	RELB (3.1)	ABCA6 (2.8)	SLC22A3 (2.7)
0.01	<0.20	CYP26A1 (3.8)	C11orf9 (3.2)	PVRL2 (3.1)
0.01	<0.20	SYPL2 (2.8)	SORT1 (2.7)	IZUMO1 (2.7)
0.01	<0.20	ABCG5 (6.3)	SLC22A1 (5.7)	LPA (5.7)
0.01	<0.20	FADS1 (3.6)	HMGCR (3.6)	PCSK9 (3.3)
0.01	<0.20	ATXN1L (3.0)	BMPR2 (2.4)	CYP26A1 (2.3)
0.01	<0.20	LCT (4.9)	APOA4 (4.2)	GOT2P1 (3.2)
0.01	<0.20	CYP26A1 (4.6)	PVRL2 (2.6)	NYNRIN (2.1)
0.01	<0.20	FNDC4 (3.7)	GCKR (3.5)	ENSG00000226622 (3
0.01	<0.20	APOE (2.8)	PARP10 (2.5)	CLPTM1 (2.0)
0.01	<0.20	TRIM54 (3.3)	PVR (3.1)	BCAM (2.7)
0.01	<0.20	RELB (4.0)	PARP10 (3.7)	GMIP (3.6)
0.01	<0.20	ENSG00000236267 (3	LPAL2 (2.7)	PCSK9 (2.6)
0.01	<0.20	FEN1 (3.6)	USP1 (3.3)	MCM6 (3.1)
0.01	<0.20	LPAR2 (2.6)	BCAM (2.4)	PVRL2 (2.2)
0.01	<0.20	ERGIC3 (3.0)	HP (2.9)	LIPG (2.4)
0.01	<0.20	APOC1 (3.3)	TM6SF2 (2.6)	ABCG5 (2.3)
0.01	<0.20	TRIB1 (5.3)	PGS1 (4.0)	HP (3.6)
0.01	<0.20	NOP58 (4.6)	ZNF259 (4.6)	TOMM40 (3.9)
0.01	<0.20	RASIP1 (2.5)	TIMD4 (2.2)	APOE (1.8)
0.01	<0.20	CILP2 (4.2)	FUT1 (3.1)	PCSK9 (3.0)
0.01	<0.20	SARS (3.2)	CARM1 (2.8)	PPM1G (2.6)
0.01	<0.20	PVR (2.5)	CELSR2 (2.3)	FGF21 (2.2)
0.01	<0.20	ENSG00000254235 (2	CYB561D1 (2.4)	SORT1 (2.4)
0.01	<0.20	FGF21 (2.8)	GSTM4 (2.7)	LPAL2 (2.7)
0.01	<0.20	NPEPPS (3.0)	PLEC (3.0)	ATP13A1 (2.8)
0.01	<0.20	ABCG8 (6.3)	LCT (6.0)	APOA4 (5.3)
0.01	<0.20	MAFB (4.0)	RELB (3.8)	ABCA1 (3.4)
0.01	<0.20	FER1L4 (3.4)	C19orf80 (2.8)	SYPL2 (2.7)
0.01	<0.20	ABCG8 (2.4)	GPAM (2.3)	LPL (2.3)
0.01	<0.20	HMGCR (3.2)	FADS1 (3.0)	FADS2 (2.9)
0.01	<0.20	FADS2 (5.0)	FADS1 (4.9)	GPAM (4.8)
0.01	<0.20	PMFBP1 (3.4)	ENSG00000228044 (2	ATXN1L (2.3)
0.01	<0.20	TRIB1 (3.5)	C19orf80 (3.0)	GCKR (2.7)
0.01	<0.20	BCAM (4.2)	KANK2 (3.3)	SLC44A2 (2.8)
0.01	<0.20	RP1 (6.5)	GNAT2 (3.6)	LIPG (2.9)
0.01	<0.20	GSTM4 (4.7)	PLG (3.6)	SLC22A1 (3.4)
0.01	<0.20	ABCG8 (3.0)	ABCA6 (2.5)	APOA5 (2.4)
0.01	<0.20	NOP58 (4.9)	ZNF259 (4.6)	DHODH (3.6)
0.01	<0.20	RASIP1 (3.7)	DOCK6 (3.6)	PVR (2.4)
0.01	<0.20	HNF4A (3.4)	TRIB1 (3.0)	ABCG8 (2.9)
0.01	<0.20	GNAI3 (3.0)	TRIB1 (2.7)	PGS1 (2.6)
0.01	<0.20	PLCG1 (3.0)	PVRL2 (2.8)	C11orf9 (2.7)
0.01	<0.20	BCAM (4.8)	PVRL2 (3.9)	PLEC (3.3)
0.01	<0.20	LCT (3.2)	ENSG00000231204 (2	ABCG8 (2.4)
0.01	<0.20	ENSG00000236267 (4	LPAL2 (3.5)	FADS2 (3.4)

0.01	<0.20	ENSG00000236267 (4	LPAL2 (3.5)	FADS2 (3.4)
0.01	<0.20	ZNF259 (3.9)	CARM1 (2.9)	ATP13A1 (2.9)
0.01	<0.20	APOB (7.8)	APOC3 (6.7)	APOA4 (4.7)
0.01	<0.20	RASIP1 (4.1)	DOCK6 (3.3)	SLC44A2 (2.9)
0.01	<0.20	CYP26A1 (4.6)	APOE (2.9)	NPEPPS (2.6)
0.01	<0.20	RELB (4.5)	NFE2L3 (3.8)	GMIP (2.9)
0.01	<0.20	NOP58 (5.0)	ZNF259 (4.8)	TOMM40 (3.4)
0.01	<0.20	CLPTM1 (3.5)	PGS1 (3.4)	APOA4 (2.6)
0.01	<0.20	NOP58 (5.5)	ZNF259 (4.6)	TOMM40 (4.1)
0.01	<0.20	OTX1 (5.0)	CELSR2 (3.7)	PSRC1 (3.3)
0.01	<0.20	LPL (2.2)	NFE2L3 (2.2)	ENSG00000231204 (2
0.01	<0.20	OTX1 (2.8)	CARM1 (2.6)	ENSG00000244861 (2
0.01	<0.20	LIPC (3.6)	CETP (3.5)	APOE (3.0)
0.01	<0.20	ERGIC3 (3.2)	PVR (3.1)	OBP2B (2.5)
0.01	<0.20	TM6SF2 (4.7)	ABCG8 (4.1)	APOA4 (4.0)
0.01	<0.20	TRAM2 (2.7)	ENSG00000235545 (2	NPEPPS (2.6)
0.01	<0.20	RASIP1 (5.2)	TBKBP1 (3.4)	NYNRIN (3.1)
0.01	<0.20	FUT1 (3.6)	CELSR2 (3.4)	CBLC (3.0)
0.01	<0.20	APOB (8.2)	APOC3 (7.1)	APOA4 (5.1)
0.01	<0.20	NYNRIN (4.5)	PVRL2 (3.3)	CYP26A1 (3.1)
0.01	<0.20	ENSG00000226806 (3	NFE2L3 (2.8)	TRAM2 (2.6)
0.01	<0.20	NOP58 (5.4)	ZNF259 (4.8)	TOMM40 (4.0)
0.01	<0.20	LIPG (3.5)	ENSG00000228044 (3	SLC22A3 (2.7)
0.01	<0.20	NOP58 (4.7)	ZNF259 (4.4)	TOMM40 (3.5)
0.01	<0.20	MAP3K4 (3.4)	PPM1G (3.2)	SLC22A3 (3.0)
0.01	<0.20	APOE (3.1)	APOC1 (2.9)	LPL (2.8)
0.01	<0.20	ERGIC3 (3.6)	APOE (3.5)	IGF2R (3.2)
0.01	<0.20	ERGIC3 (3.6)	APOE (3.5)	IGF2R (3.2)
0.01	<0.20	UBXN4 (4.4)	PSMA5 (3.8)	PPM1G (3.1)
0.01	<0.20	IGF2R (3.0)	KANK2 (2.9)	BMPR2 (2.7)
0.01	<0.20	UBXN4 (3.8)	LDLR (3.4)	APOC3 (2.4)
0.01	<0.20	DHX38 (3.6)	AMPD2 (3.3)	ZNF259 (3.3)
0.01	<0.20	SARS (4.0)	NRBP1 (3.4)	UBXN4 (3.3)
0.01	<0.20	NOP58 (5.2)	ZNF259 (4.8)	TOMM40 (3.8)
0.01	<0.20	HMGCR (9.6)	FADS1 (9.4)	FADS2 (8.5)
0.01	<0.20	OTX1 (2.6)	SLC44A2 (2.3)	FEN1 (2.1)
0.01	<0.20	NOP58 (4.7)	ZNF259 (4.6)	AMPD2 (3.1)
0.01	<0.20	SLC22A1 (6.2)	LPA (4.8)	ANGPTL3 (4.4)
0.01	<0.20	RELB (5.1)	CETP (4.0)	NFE2L3 (3.9)
0.01	<0.20	APOE (5.4)	TIMD4 (4.6)	MAFB (4.0)
0.01	<0.20	YSK4 (2.8)	SPATC1 (2.6)	LPIN3 (2.1)
0.01	<0.20	ANGPTL3 (3.1)	GCKR (3.1)	LIPC (3.0)
0.01	<0.20	TRIB1 (4.5)	RELB (4.1)	BUD13 (2.5)
0.01	<0.20	LIPG (3.2)	FADS2 (2.9)	GPAM (2.9)
0.01	<0.20	USP24 (3.3)	GMIP (2.5)	DHX38 (2.5)
0.01	<0.20	KPNB1 (3.3)	HMGCR (2.7)	TOMM40 (2.5)
0.01	<0.20	APOC3 (2.5)	DOCK6 (2.3)	PCSK9 (2.2)
0.01	<0.20	NOP58 (5.1)	TOMM40 (4.1)	ZNF259 (3.9)
0.01	<0.20	APOA4 (3.7)	APOC3 (3.6)	PVRL2 (3.5)
0.01	<0.20	SLC22A2 (4.2)	GDF5 (3.5)	NYNRIN (3.5)

0.01	<0.20	CYP26A1 (5.2)	ABO (2.6)	ATXN7L2 (2.6)
0.01	<0.20	TRIB1 (4.4)	PARP10 (3.1)	CARM1 (2.5)
0.01	<0.20	NOP58 (4.4)	ZNF259 (3.5)	AMPD2 (3.4)
0.01	<0.20	APOB (7.7)	APOC3 (6.5)	APOA4 (4.6)
0.01	<0.20	LDLR (4.5)	HMGCR (3.8)	PCSK9 (3.4)
0.01	<0.20	LIPG (3.8)	ENSG00000226806 (2	GNAI3 (2.1)
0.01	<0.20	TIMD4 (3.7)	GCKR (3.5)	APOE (3.2)
0.01	<0.20	PVR (3.5)	KRTCAP3 (2.7)	LIPG (2.6)
0.01	<0.20	NYNRIN (3.2)	GDF5 (3.1)	IFT172 (3.1)
0.01	<0.20	ABCA1 (3.7)	RELB (3.5)	CETP (3.3)
0.01	<0.20	MAFB (4.2)	APOE (4.1)	IGF2R (3.5)
0.01	<0.20	ST3GAL4 (3.2)	BMPR2 (2.5)	GCKR (2.3)
0.01	<0.20	PGS1 (3.9)	BMPR2 (2.9)	PARP10 (2.8)
0.01	<0.20	ZNF259 (4.7)	NOP58 (4.5)	TOMM40 (3.5)
0.01	<0.20	BCAM (3.5)	PVRL2 (3.5)	MAFB (3.4)
0.01	<0.20	ABCA1 (2.5)	CETP (2.5)	TIMD4 (2.3)
0.01	<0.20	HP (6.2)	LIPC (5.4)	APOB (5.2)
0.01	<0.20	APOE (3.8)	MAFB (3.7)	IGF2R (3.3)
0.01	<0.20	OTX1 (4.0)	CYP26A1 (3.4)	ATXN1L (2.4)
0.01	<0.20	CBLC (4.7)	SLC22A2 (2.9)	LIPG (2.8)
0.01	<0.20	UBXN4 (3.2)	NRBP1 (2.9)	SUGP1 (1.9)
0.01	<0.20	DOCK6 (4.3)	RASIP1 (3.7)	PLCG1 (2.7)
0.01	<0.20	APOC4 (4.1)	GSTM4 (4.0)	GPAM (4.0)
0.01	<0.20	RASIP1 (3.5)	ENSG00000231204 (3	TBKBP1 (3.0)
0.01	<0.20	RASIP1 (2.8)	DOCK6 (2.3)	SLC22A3 (2.1)
0.01	<0.20	CEP250 (3.8)	ZNF259 (3.6)	PPM1G (3.1)
0.01	<0.20	ZNF259 (5.4)	NOP58 (5.3)	TOMM40 (3.6)
0.01	<0.20	HP (4.2)	PVR (2.7)	RELB (2.3)
0.01	<0.20	PARP10 (3.9)	RELB (3.7)	OASL (3.5)
0.01	<0.20	NOP58 (5.1)	ZNF259 (3.8)	KPNB1 (3.2)
0.01	<0.20	ATXN1L (2.3)	USP24 (2.2)	GOT2P1 (1.9)
0.01	<0.20	ABCG8 (3.7)	YIPF2 (3.4)	SLC22A1 (3.0)
0.01	<0.20	BUD13 (2.9)	POC5 (2.9)	USP1 (2.5)
0.01	<0.20	HAVCR1 (4.6)	HAPLN4 (3.3)	C11orf9 (3.0)
0.01	<0.20	HAVCR1 (4.7)	HAPLN4 (3.5)	SLC22A2 (3.3)
0.01	<0.20	ENSG00000236267 (2	OBP2B (2.0)	NFE2L3 (2.0)
0.01	<0.20	NOP58 (5.0)	TOMM40 (4.2)	ZNF259 (4.0)
0.01	<0.20	PVR (3.5)	TRAM2 (2.6)	PVRL2 (2.6)
0.01	<0.20	SYPL2 (4.3)	GPAM (4.0)	LPL (3.6)
0.01	<0.20	C11orf9 (3.5)	NFE2L3 (3.2)	LCT (3.2)
0.01	<0.20	APOE (4.0)	FUT2 (3.1)	GSTM4 (2.6)
0.01	<0.20	LPAL2 (3.7)	LPA (3.0)	ABCA6 (2.6)
0.01	<0.20	NOP58 (5.5)	ZNF259 (5.0)	TOMM40 (3.6)
0.01	<0.20	NOP58 (4.2)	ZNF259 (4.1)	TOMM40 (3.9)
0.01	<0.20	SYPL2 (5.2)	TRIM54 (5.0)	MAMSTR (4.4)
0.01	<0.20	RELB (5.7)	NFE2L3 (3.5)	CETP (3.1)
0.01	<0.20	NPEPPS (3.7)	DARS (3.3)	FER1L4 (2.7)
0.01	<0.20	ZHX3 (4.1)	TRIB1 (3.5)	R3HDM1 (2.7)
0.01	<0.20	OASL (3.1)	NFE2L3 (2.8)	PARP10 (2.7)
0.01	<0.20	PVR (4.2)	PGS1 (3.5)	HP (2.8)

0.01	<0.20	TBKBP1 (3.3)	DOCK6 (3.0)	RASIP1 (3.0)
0.01	<0.20	NOP58 (4.5)	ZNF259 (4.4)	C12orf43 (3.7)
0.01	<0.20	PARP10 (3.8)	TRIB1 (3.6)	RELB (2.8)
0.01	<0.20	RASIP1 (4.6)	DOCK6 (3.5)	ABCA1 (2.9)
0.01	<0.20	SLC22A3 (2.9)	TIMD4 (2.9)	CETP (2.7)
0.01	<0.20	PVR (3.6)	PVRL2 (2.6)	TRAM2 (2.6)
0.01	<0.20	GPAM (4.7)	FADS1 (4.6)	FADS2 (4.6)
0.01	<0.20	LDLR (6.6)	FADS2 (5.8)	FADS1 (5.4)
0.01	<0.20	TSSK6 (4.6)	PMFBP1 (4.2)	SPATC1 (3.5)
0.01	<0.20	NOP58 (5.0)	ZNF259 (4.9)	TOMM40 (3.6)
0.01	<0.20	NOP58 (5.0)	ZNF259 (4.9)	TOMM40 (3.6)
0.01	<0.20	APOC4 (4.9)	APOA5 (4.4)	GCKR (4.0)
0.01	<0.20	APOB (5.4)	RP1 (4.8)	LIPC (4.2)
0.01	<0.20	CLPTM1 (4.4)	ATP13A1 (4.3)	ERGIC3 (3.7)
0.02	<0.20	LPL (7.7)	APOA5 (3.0)	GPAM (2.9)
0.02	<0.20	GSTM4 (4.0)	GCKR (2.9)	TM6SF2 (2.6)
0.02	<0.20	ENSG00000244861 (2	SLC44A2 (2.8)	ABO (2.6)
0.02	<0.20	CYP26A1 (4.9)	RASIP1 (3.6)	IGF2R (3.4)
0.02	<0.20	NOP58 (4.6)	ZNF259 (3.9)	TOMM40 (3.7)
0.02	<0.20	NOP58 (2.8)	C19orf52 (2.6)	FER1L4 (2.1)
0.02	<0.20	BMPR2 (2.6)	KANK2 (2.5)	BCAM (2.5)
0.02	<0.20	SLC22A2 (4.4)	TRAM2 (2.6)	HNF4A (2.4)
0.02	<0.20	TXNL4B (2.4)	AMIGO1 (2.2)	GDF5 (2.0)
0.02	<0.20	HMGCR (6.9)	LDLR (4.7)	C19orf80 (3.3)
0.02	<0.20	NOP58 (4.7)	ZNF259 (4.6)	DARS (3.6)
0.02	<0.20	PLEC (2.9)	SLC44A2 (2.9)	GMIP (2.9)
0.02	<0.20	ABCG8 (7.8)	CETP (4.5)	SLC22A3 (3.3)
0.02	<0.20	RASIP1 (6.4)	DOCK6 (5.4)	TBKBP1 (2.6)
0.02	<0.20	RELB (4.0)	TIMD4 (3.5)	CETP (3.2)
0.02	<0.20	ENSG00000226622 (3	ABCA1 (3.7)	ENSG00000228044 (3
0.02	<0.20	ZNF259 (5.0)	NOP58 (4.7)	TOMM40 (3.3)
0.02	<0.20	PARP10 (2.7)	GMIP (2.6)	MAU2 (2.4)
0.02	<0.20	ZNF259 (4.8)	NOP58 (3.9)	TOMM40 (3.3)
0.02	<0.20	GCKR (2.7)	ENSG00000226622 (2	LIPG (2.5)
0.02	<0.20	ENSG00000254235 (2	CILP2 (2.3)	OBP2B (2.2)
0.02	<0.20	TRIM54 (4.6)	GCKR (3.9)	HP (3.8)
0.02	<0.20	LPL (3.9)	TRIB1 (3.4)	C19orf80 (2.3)
0.02	<0.20	HMGCR (16.5)	LDLR (14.5)	FADS1 (13.1)
0.02	<0.20	PARP10 (3.1)	USP24 (2.6)	HNF4A (2.6)
0.02	<0.20	RELB (3.0)	CBLC (2.6)	ABCA6 (2.6)
0.02	<0.20	NYNRIN (3.1)	OTX1 (2.6)	ENSG00000231204 (2
0.02	<0.20	LPL (5.2)	GPAM (4.3)	PCSK9 (2.7)
0.02	<0.20	NOP58 (4.8)	ZNF259 (4.6)	TOMM40 (3.1)
0.02	<0.20	SLC22A1 (5.5)	FADS1 (4.4)	FUT2 (3.6)
0.02	<0.20	FADS1 (3.3)	GPAM (3.3)	FADS2 (3.2)
0.02	<0.20	HP (3.1)	GMIP (3.0)	LIPC (2.9)
0.02	<0.20	ABCG8 (4.4)	GRINA (2.4)	GSTM4 (2.0)
0.02	<0.20	PVR (3.3)	TRAM2 (2.6)	LIPG (2.6)
0.02	<0.20	LPA (7.1)	TIMD4 (5.1)	SLC22A1 (4.3)
0.02	<0.20	NYNRIN (2.6)	PVRL2 (2.4)	ATXN7L2 (2.3)

0.02	<0.20	SLC22A2 (5.8)	TM6SF2 (3.4)	PLG (3.0)
0.02	<0.20	PLCG1 (2.9)	GMIP (2.7)	SLC44A2 (2.7)
0.02	<0.20	TIMD4 (3.5)	CETP (3.3)	OASL (2.5)
0.02	<0.20	RASIP1 (5.5)	DOCK6 (4.9)	ATXN1L (2.8)
0.02	<0.20	C17orf57 (2.4)	CLPTM1 (2.2)	ABO (1.9)
0.02	<0.20	RELB (3.8)	NFE2L3 (3.1)	PARP10 (2.6)
0.02	<0.20	TIMD4 (4.2)	GCKR (3.4)	MAFB (3.3)
0.02	<0.20	FADS2 (4.2)	UBXN4 (3.8)	YIPF2 (3.5)
0.02	<0.20	LPL (3.2)	C19orf80 (2.5)	HP (2.2)
0.02	<0.20	NOP58 (4.8)	ZNF259 (4.8)	TOMM40 (3.1)
0.02	<0.20	RASIP1 (5.4)	DOCK6 (4.7)	PVR (3.2)
0.02	<0.20	EHBP1 (2.8)	ENSG00000228044 (2	ST3GAL4 (2.4)
0.02	<0.20	RASIP1 (4.2)	KANK2 (3.0)	TRAM2 (2.9)
0.02	<0.20	APOB (7.6)	APOC3 (6.5)	APOA4 (4.6)
0.02	<0.20	LPAL2 (4.0)	LPA (3.3)	ABCA6 (2.5)
0.02	<0.20	FADS2 (4.4)	HMGCR (4.2)	FADS1 (4.0)
0.02	<0.20	LPL (2.4)	ENSG00000235545 (2	YIPF2 (2.2)
0.02	<0.20	PGS1 (3.2)	RELB (3.1)	SLC22A3 (2.3)
0.02	<0.20	ZNF259 (4.9)	NOP58 (4.2)	TOMM40 (4.0)
0.02	<0.20	NOP58 (5.3)	ZNF259 (4.6)	TOMM40 (4.2)
0.02	<0.20	AMPD2 (4.0)	TRIB1 (3.2)	KPNB1 (2.8)
0.02	<0.20	PVRL2 (3.3)	GNAI3 (2.9)	BCAM (2.8)
0.02	<0.20	APOA4 (5.3)	APOC3 (5.2)	APOB (4.6)
0.02	<0.20	GATAD2A (3.1)	PLEC (2.9)	SLC44A2 (2.9)
0.02	<0.20	POC5 (3.6)	DOCK7 (3.0)	USP1 (2.9)
0.02	<0.20	C17orf57 (2.6)	HNF1A (2.5)	ENSG00000226648 (1
0.02	<0.20	CETP (4.0)	RELB (3.3)	OASL (2.9)
0.02	<0.20	RASIP1 (3.9)	DOCK6 (3.2)	IGF2R (3.0)
0.02	<0.20	APOB (8.2)	APOC3 (7.0)	APOA4 (5.1)
0.02	<0.20	OASL (4.8)	PARP10 (4.0)	TIMD4 (3.1)
0.02	<0.20	PVRL2 (2.6)	BCAM (2.4)	LIPG (2.3)
0.02	<0.20	CBLC (4.2)	PLEC (2.5)	C17orf57 (2.3)
0.02	<0.20	ABCG5 (6.3)	SLC22A1 (5.7)	LPA (5.6)
0.02	<0.20	OASL (3.9)	APOA4 (3.7)	PARP10 (3.3)
0.02	<0.20	ATP13A1 (3.8)	TOMM40 (3.6)	POLK (2.7)
0.02	<0.20	PARP10 (3.3)	OASL (2.9)	GRINA (2.4)
0.02	<0.20	FNDC4 (2.7)	DNAH11 (2.5)	PLEC (2.4)
0.02	<0.20	CYP26A1 (4.2)	OTX1 (3.9)	MYLIP (2.7)
0.02	<0.20	HAVCR1 (3.3)	PVR (2.5)	NFE2L3 (2.5)
0.02	<0.20	NOP58 (4.5)	ZNF259 (4.3)	DHODH (3.1)
0.02	<0.20	TIMD4 (5.5)	MAFB (5.1)	CETP (4.8)
0.02	<0.20	PARP10 (3.2)	LPA (3.0)	OASL (3.0)
0.02	<0.20	APOB (7.5)	APOC3 (6.5)	APOA4 (4.7)
0.02	<0.20	SLC44A2 (3.5)	PVRL2 (3.3)	EHBP1 (2.4)
0.02	<0.20	APOB (7.7)	APOC3 (6.7)	APOA4 (4.7)
0.02	<0.20	CILP2 (4.1)	TRAM2 (3.0)	CYP26A1 (2.7)
0.02	<0.20	HNF4A (3.4)	PCSK9 (3.0)	HNF1A (2.9)
0.02	<0.20	APOE (6.1)	TIMD4 (5.8)	MAFB (4.2)
0.02	<0.20	APOE (6.1)	TIMD4 (5.8)	MAFB (4.2)
0.02	<0.20	ANGPTL3 (5.0)	APOC4 (4.2)	PLG (4.2)

0.02	<0.20	RELB (2.5)	PLCG1 (2.4)	IGF2R (2.3)
0.02	<0.20	TBKBP1 (3.4)	DOCK6 (3.0)	RASIP1 (2.9)
0.02	<0.20	ST3GAL4 (4.8)	ENSG00000226622 (4	APOC4 (4.4)
0.02	<0.20	HNF4A (2.4)	TRAM2 (2.3)	HNF1A (2.3)
0.02	<0.20	APOC1 (3.9)	SLC22A1 (3.7)	FADS2 (3.4)
0.02	<0.20	CLPTM1 (4.4)	ERGIC3 (3.4)	ATP13A1 (3.1)
0.02	<0.20	C11orf9 (3.5)	CYP26A1 (2.2)	BMPR2 (2.2)
0.02	<0.20	LIPC (3.4)	SLC22A3 (3.1)	CETP (2.9)
0.02	<0.20	PVRL2 (2.7)	MYLIP (2.4)	ENSG00000236436 (2
0.02	<0.20	MYLIP (2.9)	CYP26A1 (2.7)	ZHX3 (2.5)
0.02	<0.20	KANK2 (3.1)	TIMD4 (2.8)	TRIB1 (2.7)
0.02	<0.20	IGF2R (3.4)	ENSG00000226648 (3	USP24 (2.9)
0.02	<0.20	BMPR2 (3.3)	TRAM2 (2.8)	PLEC (2.6)
0.02	<0.20	NOP58 (4.6)	ZNF259 (3.0)	AMPD2 (2.7)
0.02	<0.20	ANGPTL3 (5.2)	HP (5.0)	PLG (4.5)
0.02	<0.20	APOA5 (5.6)	SLC22A1 (5.5)	ENSG00000254235 (4
0.02	<0.20	GSTM4 (3.6)	LPAL2 (3.5)	LPA (3.5)
0.02	<0.20	PLEC (2.7)	GMIP (2.4)	SLC44A2 (2.4)
0.02	<0.20	SNX17 (3.0)	SARS (2.7)	DHODH (2.7)
0.02	<0.20	OASL (6.9)	PARP10 (4.6)	PGS1 (2.8)
0.02	<0.20	LPL (4.9)	GPAM (4.7)	FADS1 (4.6)
0.02	<0.20	PARP10 (2.9)	PBX4 (2.5)	PLCG1 (2.3)
0.02	<0.20	ENSG00000231204 (2	CETP (2.2)	CEP250 (2.1)
0.02	<0.20	PLCG1 (2.8)	CELSR2 (2.6)	DOCK6 (2.5)
0.02	<0.20	FADS2 (5.7)	FADS1 (5.0)	LDLR (4.5)
0.02	<0.20	HP (5.6)	ANGPTL3 (2.9)	APOC4 (2.5)
0.02	<0.20	GPAM (5.2)	TM6SF2 (5.0)	C19orf80 (4.7)
0.02	<0.20	FGF21 (3.1)	GPAM (2.7)	APOC4 (2.7)
0.02	<0.20	TOP1 (3.2)	NPEPPS (3.1)	PLEC (3.0)
0.02	<0.20	DHX38 (3.1)	KPNB1 (2.9)	NOP58 (2.9)
0.02	<0.20	HNF4A (2.8)	PARP10 (2.8)	CBLC (2.7)
0.02	<0.20	C19orf80 (2.7)	GPAM (2.7)	LPA (2.6)
0.02	<0.20	CLPTM1 (3.1)	SNX17 (2.7)	NRBP1 (2.6)
0.02	<0.20	HNF4A (3.6)	PCSK9 (3.1)	HNF1A (3.0)
0.02	<0.20	SLC44A2 (2.7)	TRAM2 (2.6)	IGF2R (2.5)
0.02	<0.20	SLC22A2 (3.7)	LPAR2 (2.6)	LCT (2.6)
0.02	<0.20	PLCG1 (3.2)	ZHX3 (3.0)	GSTM5 (2.7)
0.02	<0.20	GMIP (3.5)	RELB (3.0)	ABCA1 (2.8)
0.02	<0.20	SYPL2 (3.6)	PLG (3.1)	C19orf80 (2.9)
0.02	<0.20	PLG (4.5)	ANGPTL3 (4.0)	LIPC (3.3)
0.02	<0.20	TOMM40 (4.2)	KPNB1 (3.2)	UBXN4 (3.0)
0.02	<0.20	ZHX3 (3.4)	IGF2R (3.0)	NFE2L3 (2.4)
0.02	<0.20	RASIP1 (3.0)	DOCK6 (2.9)	ABO (2.3)
0.02	<0.20	GMIP (3.4)	FUT1 (2.3)	ENSG00000226645 (2
0.02	<0.20	PVRL2 (2.7)	LPAR2 (2.6)	LIPC (2.3)
0.02	<0.20	ENSG00000228044 (2	LIPG (2.7)	PVR (2.7)
0.02	<0.20	CBLC (3.7)	KRTCAP3 (3.2)	PGS1 (3.0)
0.02	<0.20	TM6SF2 (3.1)	HP (2.9)	SLC22A1 (2.8)
0.02	<0.20	LDLR (2.5)	MYLIP (2.4)	HMGCR (2.4)
0.02	<0.20	APOA4 (5.2)	ABCG5 (3.9)	LCT (3.1)

0.02	<0.20	ERGIC3 (2.8)	ENSG00000236436 (2	MYLIP (2.2)
0.02	<0.20	ERGIC3 (2.8)	ENSG00000236436 (2	MYLIP (2.2)
0.02	<0.20	TBKBP1 (3.2)	TRAM2 (3.0)	PVRL2 (3.0)
0.02	<0.20	NOP58 (5.5)	ZNF259 (4.7)	TOMM40 (3.6)
0.02	<0.20	SYPL2 (5.3)	TRIM54 (3.9)	SORT1 (2.9)
0.02	<0.20	ABCG8 (5.3)	LCT (4.8)	APOA4 (4.4)
0.02	<0.20	ANGPTL3 (3.5)	FNDC4 (3.1)	HP (3.1)
0.02	<0.20	ZNF259 (4.6)	NOP58 (4.3)	TOMM40 (3.6)
0.02	<0.20	RELB (3.8)	GMIP (3.1)	ABCA6 (2.5)
0.02	<0.20	PSMA5 (3.9)	NUP93 (3.6)	SARS (3.4)
0.02	<0.20	MAU2 (2.7)	PARP10 (2.7)	USP24 (2.7)
0.02	<0.20	RASIP1 (2.8)	DOCK6 (2.3)	SLC22A3 (2.2)
0.02	<0.20	ENSG00000182329 (2	RASIP1 (2.6)	SLC22A3 (2.4)
0.02	<0.20	TM6SF2 (3.5)	HNF4A (3.5)	ABCG8 (3.5)
0.02	<0.20	TRIM54 (4.6)	SYPL2 (2.3)	FNDC4 (2.1)
0.02	<0.20	SMARCA4 (4.8)	DHX38 (4.6)	SUGP1 (3.9)
0.02	<0.20	LPL (5.2)	APOB (4.2)	APOA4 (4.0)
0.02	<0.20	POC5 (3.3)	USP24 (3.2)	USP1 (3.0)
0.02	<0.20	CYP26A1 (4.0)	C11orf9 (2.7)	TRIM54 (2.3)
0.02	<0.20	HMGCR (4.0)	LDLR (3.4)	PCSK9 (3.0)
0.02	<0.20	LPA (5.5)	SLC22A1 (4.4)	GCKR (4.3)
0.02	<0.20	LCT (6.3)	ABCG8 (6.3)	TM6SF2 (5.6)
0.02	<0.20	YIPF2 (3.6)	SARS (2.9)	UBXN4 (2.6)
0.02	<0.20	TOP1 (4.2)	CARM1 (4.1)	SMARCA4 (4.1)
0.02	<0.20	TIMD4 (3.6)	APOE (2.9)	SLC44A2 (2.9)
0.02	<0.20	MAFB (4.3)	RELB (4.2)	GMIP (3.1)
0.02	<0.20	PLEC (4.7)	IGF2R (2.7)	GNAI3 (2.6)
0.02	<0.20	SARS (4.4)	PSMA5 (3.9)	PPM1G (3.5)
0.02	<0.20	NOP58 (5.4)	ZNF259 (4.9)	TOMM40 (4.2)
0.02	<0.20	SLC22A1 (4.2)	LPA (4.1)	LPAL2 (4.0)
0.02	<0.20	HAVCR1 (3.4)	HAPLN4 (2.8)	C17orf57 (2.8)
0.02	<0.20	ZHX3 (3.9)	TRIB1 (3.4)	R3HDM1 (2.8)
0.02	<0.20	RASIP1 (2.3)	PLCG1 (2.2)	SPATC1 (2.1)
0.02	<0.20	ZNF259 (3.7)	TOMM40 (3.1)	TOP1 (2.9)
0.02	<0.20	RASIP1 (5.0)	DOCK6 (4.3)	PVR (2.9)
0.02	<0.20	PARP10 (3.4)	ZNF513 (3.2)	PGS1 (2.7)
0.02	<0.20	AMPD2 (2.9)	DOCK7 (2.5)	MCM6 (2.2)
0.02	<0.20	RP1 (3.1)	SLC22A2 (2.9)	NYNRIN (2.0)
0.02	<0.20	SARS (3.9)	DARS (3.9)	HMGCR (3.4)
0.02	<0.20	FNDC4 (2.3)	APOC1 (2.2)	AMIGO1 (2.2)
0.02	<0.20	PVR (3.4)	FNDC4 (2.4)	PARP10 (2.3)
0.02	<0.20	FGF21 (3.3)	PVR (3.3)	PARP10 (2.2)
0.02	<0.20	MYLIP (2.7)	C19orf80 (2.6)	KANK2 (2.6)
0.02	<0.20	LIPC (4.0)	TIMD4 (3.3)	FADS1 (2.9)
0.02	<0.20	RASIP1 (4.1)	NYNRIN (3.8)	DOCK6 (3.1)
0.02	<0.20	HNF4A (3.3)	SLC22A2 (3.0)	HNF1A (2.7)
0.02	<0.20	RASIP1 (3.2)	DNAH11 (2.8)	DOCK6 (2.7)
0.02	<0.20	RASIP1 (5.8)	DOCK6 (4.4)	BCAM (3.2)
0.02	<0.20	USP1 (3.4)	POC5 (3.1)	NUP93 (2.9)
0.02	<0.20	TM6SF2 (2.7)	CYB561D1 (2.6)	ENSG00000236267 (2

0.02	<0.20	ABCA1 (5.2)	TIMD4 (4.5)	APOC1 (3.7)
0.02	<0.20	DOCK6 (4.4)	MYLIP (2.8)	PLEC (2.6)
0.02	<0.20	CBLC (4.2)	DHX38 (2.8)	ATXN1L (2.4)
0.02	<0.20	PSMA5 (5.0)	UBXN4 (4.3)	NUP93 (3.1)
0.02	<0.20	USP24 (3.0)	GDF5 (2.8)	MAFB (2.8)
0.02	<0.20	CILP2 (3.1)	GDF5 (2.8)	IGF2R (2.8)
0.02	<0.20	BCAM (4.5)	TRAM2 (3.3)	PVR (3.2)
0.02	<0.20	OASL (3.0)	PGS1 (2.4)	ABCA1 (2.3)
0.02	<0.20	NOP58 (4.7)	ZNF259 (3.8)	DHODH (3.3)
0.02	<0.20	APOA4 (3.8)	LCT (3.3)	TM6SF2 (3.1)
0.02	<0.20	HAVCR1 (2.6)	DNAH11 (2.1)	LIPG (1.9)
0.02	<0.20	PLG (3.1)	HP (3.1)	GSTM4 (2.8)
0.02	<0.20	GPAM (4.2)	FADS2 (3.5)	GSTM4 (3.4)
0.02	<0.20	GPAM (4.2)	FADS2 (3.5)	GSTM4 (3.4)
0.02	<0.20	ENSG00000236267 (4	ENSG00000254235 (2	LPL (2.5)
0.02	<0.20	OBP2B (3.3)	ABCA6 (2.9)	KRTCAP3 (2.5)
0.02	<0.20	GPAM (4.1)	C19orf80 (4.0)	LPL (3.8)
0.02	<0.20	UBXN4 (5.1)	KPNB1 (4.1)	DARS (3.3)
0.02	<0.20	OTX1 (4.4)	CYP26A1 (3.0)	GDF5 (2.9)
0.02	<0.20	EHBP1 (2.9)	SMARCA4 (2.2)	CBLC (2.2)
0.02	<0.20	DHX38 (3.5)	ATXN1L (3.1)	DOCK6 (2.7)
0.02	<0.20	NOP58 (4.7)	DARS (3.4)	ZNF259 (3.3)
0.02	<0.20	ERGIC3 (3.3)	ATP13A1 (2.5)	NFE2L3 (2.4)
0.02	<0.20	DOCK6 (4.2)	RASIP1 (3.9)	ENSG00000226806 (3
0.02	<0.20	RELB (4.3)	NFE2L3 (3.2)	SLC44A2 (2.6)
0.02	<0.20	POLK (3.1)	NFE2L3 (2.8)	SUMO1 (2.5)
0.02	<0.20	PSMA5 (6.0)	UBXN4 (4.7)	NFE2L3 (3.2)
0.02	<0.20	C19orf80 (3.3)	APOC3 (3.2)	PLG (3.2)
0.02	>=0.20	SLC22A2 (6.5)	PLG (4.6)	ANGPTL3 (3.7)
0.02	>=0.20	NOP58 (3.6)	ZNF259 (2.5)	DARS (2.4)
0.02	>=0.20	TBKBP1 (3.6)	TRAM2 (2.6)	BMPR2 (2.5)
0.02	>=0.20	TIMD4 (2.6)	CETP (2.5)	GRINA (2.5)
0.02	>=0.20	TIMD4 (2.6)	CETP (2.5)	GRINA (2.5)
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	RELB (2.9)	SLC22A3 (2.9)	ENSG00000256731 (2
0.02	>=0.20	CLPTM1 (3.6)	IST1 (2.6)	GATAD2A (2.6)
0.02	>=0.20	SARS (3.5)	UBXN4 (3.3)	NUP93 (3.2)
0.02	>=0.20	ANGPTL3 (2.9)	KANK2 (2.6)	ZHX3 (2.3)
0.02	>=0.20	ZNF259 (4.7)	NOP58 (4.5)	TOMM40 (4.0)
0.02	>=0.20	RELB (3.5)	NFE2L3 (3.2)	ABCA1 (2.8)
0.02	>=0.20	COL4A3BP (3.3)	SORT1 (2.7)	ENSG00000254235 (2
0.03	>=0.20	LCT (4.2)	SORT1 (3.8)	GSTM4 (3.4)
0.03	>=0.20	KANK2 (2.6)	ABO (2.5)	KRTCAP3 (2.5)

0.03	>=0.20	SLC22A3 (3.2)	RELB (3.1)	ENSG00000256731 (2
0.03	>=0.20	GATAD2A (4.0)	SMARCA4 (2.8)	ABO (2.8)
0.03	>=0.20	ABCA1 (3.8)	TOP1 (3.1)	CETP (2.5)
0.03	>=0.20	HMGCR (3.4)	FADS2 (3.3)	FADS1 (3.2)
0.03	>=0.20	GNAI3 (2.7)	ENSG00000226645 (2	IST1 (2.1)
0.03	>=0.20	ZNF259 (4.9)	NOP58 (4.8)	TOMM40 (3.9)
0.03	>=0.20	HP (2.1)	TRAM2 (1.9)	ZNF513 (1.9)
0.03	>=0.20	HAVCR1 (4.4)	HAPLN4 (3.5)	C11orf9 (3.4)
0.03	>=0.20	RELB (5.6)	GMIP (3.9)	CETP (2.9)
0.03	>=0.20	MYLIP (3.9)	CYP26A1 (3.3)	FER1L4 (3.0)
0.03	>=0.20	APOA4 (3.8)	GPAM (3.7)	LPL (3.4)
0.03	>=0.20	APOE (3.5)	GSTM4 (3.1)	ABCA1 (3.1)
0.03	>=0.20	PARP10 (3.2)	GMIP (3.0)	MAU2 (2.7)
0.03	>=0.20	HMGCR (10.9)	LDLR (9.9)	FADS2 (8.3)
0.03	>=0.20	IST1 (3.4)	TXNL4B (3.3)	TOP1 (3.2)
0.03	>=0.20	ENSG00000244861 (2	PLCG1 (2.3)	CARM1 (2.0)
0.03	>=0.20	TRAM2 (2.9)	ENSG00000254235 (2	CYB561D1 (2.5)
0.03	>=0.20	HMGCR (5.9)	LDLR (5.2)	FADS1 (4.8)
0.03	>=0.20	TIMD4 (3.7)	SLC22A3 (3.2)	ENSG00000256731 (3
0.03	>=0.20	LIPC (3.8)	ANGPTL3 (3.5)	LPAL2 (3.5)
0.03	>=0.20	C19orf80 (3.2)	GPAM (2.8)	EHBP1 (2.6)
0.03	>=0.20	GMIP (3.7)	RELB (2.7)	PGS1 (2.6)
0.03	>=0.20	HMGCR (15.1)	LDLR (13.0)	FADS1 (10.7)
0.03	>=0.20	PLG (5.0)	SLC22A1 (4.7)	APOA5 (4.2)
0.03	>=0.20	PLG (5.0)	SLC22A1 (4.7)	APOA5 (4.2)
0.03	>=0.20	GMIP (3.6)	RELB (2.6)	TIMD4 (2.6)
0.03	>=0.20	GSTM5 (5.5)	TIMD4 (3.8)	HP (2.7)
0.03	>=0.20	TRAM2 (2.9)	LPIN3 (2.7)	KANK2 (2.5)
0.03	>=0.20	PARP10 (6.3)	OASL (6.3)	PGS1 (2.9)
0.03	>=0.20	PGS1 (3.5)	HMGCR (3.2)	TRIB1 (3.1)
0.03	>=0.20	RELB (4.3)	TRIB1 (4.3)	PGS1 (3.6)
0.03	>=0.20	APOE (6.6)	TIMD4 (5.2)	MAFB (4.5)
0.03	>=0.20	APOE (6.6)	TIMD4 (5.2)	MAFB (4.5)
0.03	>=0.20	LIPG (3.6)	CILP2 (3.3)	CYP26A1 (3.2)
0.03	>=0.20	TRIB1 (5.4)	SARS (4.4)	FGF21 (4.3)
0.03	>=0.20	FADS2 (3.9)	FADS1 (3.9)	ENSG00000226622 (3
0.03	>=0.20	PSMA5 (5.3)	UBXN4 (4.8)	NUP93 (3.2)
0.03	>=0.20	ERGIC3 (4.7)	ATP13A1 (3.3)	ZNF821 (2.5)
0.03	>=0.20	FUT1 (2.6)	TOMM40 (2.4)	SARS (2.1)
0.03	>=0.20	PVRL2 (3.9)	GCKR (2.6)	MAMSTR (2.4)
0.03	>=0.20	NOP58 (4.3)	ZNF259 (3.6)	DARS (3.2)
0.03	>=0.20	FUT2 (3.4)	OASL (2.6)	ABCG5 (2.3)
0.03	>=0.20	CEP250 (2.6)	ABCA1 (2.6)	TRAM2 (2.3)
0.03	>=0.20	NOP58 (5.7)	ZNF259 (5.3)	TOMM40 (3.7)
0.03	>=0.20	SLC22A2 (5.3)	HNF4A (2.8)	HAVCR1 (2.6)
0.03	>=0.20	RASIP1 (5.1)	TBKBP1 (3.9)	NYNRIN (3.1)
0.03	>=0.20	CYP26A1 (3.1)	ENSG00000236436 (2	ENSG00000244861 (2
0.03	>=0.20	DHX38 (4.2)	NUP93 (3.5)	MAU2 (3.3)
0.03	>=0.20	SARS (3.5)	PLEC (3.2)	GNAI3 (3.0)
0.03	>=0.20	ENSG00000256731 (2	FGF21 (2.1)	HNF4A (2.0)

0.03	>=0.20	NOP58 (5.0)	ZNF259 (4.7)	TOMM40 (3.4)
0.03	>=0.20	GMIP (3.9)	CETP (2.8)	PBX4 (2.3)
0.03	>=0.20	LIPG (2.6)	PVRL2 (2.6)	BCAM (2.1)
0.03	>=0.20	PGS1 (3.9)	COL4A3BP (2.3)	GDF5 (2.1)
0.03	>=0.20	OASL (11.7)	PARP10 (6.3)	USP24 (2.5)
0.03	>=0.20	OASL (11.7)	PARP10 (6.3)	USP24 (2.5)
0.03	>=0.20	LPAR2 (3.2)	LIPG (2.8)	ATP13A1 (2.7)
0.03	>=0.20	ZNF259 (4.3)	C12orf43 (3.7)	C19orf52 (3.4)
0.03	>=0.20	RASIP1 (4.6)	DOCK6 (4.0)	IGF2R (3.6)
0.03	>=0.20	APOE (3.1)	APOC1 (3.0)	CELSR2 (2.7)
0.03	>=0.20	LIPC (5.7)	APOB (4.9)	APOC3 (4.4)
0.03	>=0.20	YIPF2 (6.5)	UBXN4 (3.5)	ERGIC3 (3.3)
0.03	>=0.20	SLC22A3 (3.6)	CETP (3.3)	RELB (3.1)
0.03	>=0.20	TOMM40 (2.6)	ENSG00000236436 (2	KPNB1 (2.4)
0.03	>=0.20	IGF2R (2.5)	OASL (2.3)	LPAL2 (2.3)
0.03	>=0.20	ZNF259 (5.3)	NOP58 (5.0)	TOMM40 (3.9)
0.03	>=0.20	MAU2 (4.0)	PARP10 (3.1)	USP24 (2.5)
0.03	>=0.20	SLC22A1 (3.2)	TIMD4 (3.1)	ABCA6 (2.6)
0.03	>=0.20	CARM1 (4.4)	SMARCA4 (4.2)	KPNB1 (3.2)
0.03	>=0.20	RELB (6.3)	GMIP (5.1)	GRINA (3.6)
0.03	>=0.20	ENSG00000254235 (3	SYPL2 (3.3)	LPA (2.9)
0.03	>=0.20	ENSG00000254235 (3	SYPL2 (3.3)	LPA (2.9)
0.03	>=0.20	FADS1 (3.1)	ABCG8 (3.0)	C11orf9 (2.9)
0.03	>=0.20	HNF4A (4.5)	C11orf9 (3.3)	HNF1A (3.2)
0.03	>=0.20	TIMD4 (3.2)	SLC22A1 (3.1)	ABCA6 (2.6)
0.03	>=0.20	PSRC1 (3.2)	GDF5 (2.8)	PARP10 (2.8)
0.03	>=0.20	LPA (5.7)	TIMD4 (4.4)	SLC22A1 (3.7)
0.03	>=0.20	BCAM (3.1)	SLC22A3 (3.0)	ENSG00000226622 (2
0.03	>=0.20	DNAH11 (4.3)	ST3GAL4 (2.7)	IZUMO1 (2.6)
0.03	>=0.20	ZNF259 (5.2)	NOP58 (5.2)	TOMM40 (4.1)
0.03	>=0.20	ENSG00000236267 (3	MYLIP (2.7)	COL4A3BP (2.6)
0.03	>=0.20	BMPR2 (7.2)	PVRL2 (3.3)	SLC22A1 (2.4)
0.03	>=0.20	TOP1 (3.2)	RAB3GAP1 (2.5)	ZHX3 (2.4)
0.03	>=0.20	OBP2B (2.9)	PARP10 (2.8)	GMIP (2.8)
0.03	>=0.20	UBXN4 (3.2)	DHX38 (2.7)	ATP13A1 (2.6)
0.03	>=0.20	TRIB1 (4.9)	KANK2 (2.5)	HNF4A (2.3)
0.03	>=0.20	DHX38 (3.6)	NUP93 (2.9)	USP1 (2.3)
0.03	>=0.20	CILP2 (4.9)	APOE (3.2)	BCAM (2.8)
0.03	>=0.20	SLC22A2 (4.7)	HNF4A (3.3)	C11orf9 (3.2)
0.03	>=0.20	LIPG (2.9)	PVR (2.7)	ENSG00000228044 (2
0.03	>=0.20	NCAN (3.7)	GRINA (3.5)	LIPG (3.3)
0.03	>=0.20	BCAM (2.8)	ANGPTL3 (2.7)	GNAI3 (2.4)
0.03	>=0.20	PMFBP1 (2.7)	ABCA1 (2.2)	EHBP1 (2.0)
0.03	>=0.20	PMFBP1 (2.7)	ABCA1 (2.2)	EHBP1 (2.0)
0.03	>=0.20	CELSR2 (4.3)	SYPL2 (2.6)	GPR61 (2.3)
0.03	>=0.20	BCAM (3.3)	LDLR (3.2)	LIPG (2.4)
0.03	>=0.20	HMGCR (2.3)	FADS1 (2.3)	KPNB1 (2.3)
0.03	>=0.20	LPA (4.0)	ABCG8 (3.9)	TM6SF2 (3.7)
0.03	>=0.20	FNDC4 (3.3)	GCKR (2.7)	FUT2 (2.6)
0.03	>=0.20	APOC3 (3.2)	ABCG5 (3.0)	APOA4 (2.9)

0.03	>=0.20	USP1 (3.6)	NUP93 (3.0)	MCM6 (3.0)
0.03	>=0.20	GCKR (2.9)	TIMD4 (2.6)	ENSG00000226806 (2
0.03	>=0.20	USP1 (2.9)	PLEC (2.6)	ENSG00000231204 (2
0.03	>=0.20	ENSG00000228044 (3	FGF21 (3.1)	HP (2.9)
0.03	>=0.20	GMIP (3.5)	MAFB (2.9)	TRIB1 (2.6)
0.03	>=0.20	NPEPPS (3.1)	TOP1 (3.0)	BCAM (2.7)
0.03	>=0.20	RELB (3.1)	MAFB (2.9)	CETP (2.7)
0.03	>=0.20	PLEC (4.1)	SMARCA4 (3.9)	KPNB1 (3.4)
0.03	>=0.20	NOP58 (4.8)	ZNF259 (4.6)	TOMM40 (3.8)
0.03	>=0.20	OASL (5.3)	PARP10 (4.0)	ENSG00000235545 (2
0.03	>=0.20	ENSG00000235545 (3	LIPC (2.7)	C17orf57 (2.7)
0.03	>=0.20	CILP2 (4.4)	MAFB (2.5)	LPL (1.8)
0.03	>=0.20	PSMA5 (5.2)	UBXN4 (3.6)	KPNB1 (3.3)
0.03	>=0.20	CYP26A1 (3.6)	LIPG (2.8)	C11orf9 (2.7)
0.03	>=0.20	ABO (3.2)	RASIP1 (2.7)	TRIM54 (2.6)
0.03	>=0.20	TIMD4 (3.6)	MAFB (2.9)	OBP2B (2.5)
0.03	>=0.20	ENSG00000236436 (3	ABO (2.6)	LPAL2 (2.5)
0.03	>=0.20	ENSG00000254235 (4	LPA (2.8)	HNF1A (2.6)
0.03	>=0.20	HMGCR (3.5)	GDF5 (3.2)	C11orf9 (2.4)
0.03	>=0.20	FADS2 (3.0)	FADS1 (2.9)	GPAM (2.7)
0.03	>=0.20	ABCA6 (3.7)	LPA (3.6)	SLC22A1 (3.4)
0.03	>=0.20	SLC22A3 (3.1)	ENSG00000256731 (3	ABCA6 (2.7)
0.03	>=0.20	OTX1 (5.9)	NCAN (4.5)	CELSR2 (3.3)
0.03	>=0.20	PARP10 (3.1)	MAU2 (3.0)	GMIP (2.7)
0.03	>=0.20	TIMD4 (3.1)	MAFB (2.8)	ENSG00000228044 (2
0.03	>=0.20	SARS (4.6)	ERGIC3 (2.7)	NOP58 (2.6)
0.03	>=0.20	DOCK7 (3.2)	BCAM (3.2)	C11orf9 (3.0)
0.03	>=0.20	FGF21 (2.7)	FNDC4 (2.7)	ENSG00000231204 (2
0.03	>=0.20	GOT2P1 (3.2)	C17orf57 (2.8)	DNAH11 (2.2)
0.03	>=0.20	ENSG00000231204 (2	HNF1A (2.2)	LPAR2 (2.2)
0.03	>=0.20	FEN1 (3.3)	ZRANB3 (3.3)	PSRC1 (3.2)
0.03	>=0.20	BMPR2 (5.3)	PVRL2 (3.2)	PVR (2.5)
0.03	>=0.20	ATP13A1 (3.2)	SNX17 (2.7)	GPAM (2.6)
0.03	>=0.20	OASL (3.1)	NFE2L3 (3.0)	PARP10 (2.7)
0.03	>=0.20	ST3GAL4 (2.6)	NPEPPS (2.2)	IFT172 (2.2)
0.03	>=0.20	NYNRIN (2.5)	BCAM (2.5)	CELSR2 (2.4)
0.03	>=0.20	LIPC (5.3)	APOB (5.2)	APOC3 (4.4)
0.03	>=0.20	USP1 (3.2)	KPNB1 (3.0)	POC5 (2.8)
0.03	>=0.20	GSTM5 (3.0)	KANK2 (2.8)	RASIP1 (2.7)
0.03	>=0.20	LPAL2 (3.9)	LPA (3.2)	SLC22A1 (2.9)
0.03	>=0.20	PGS1 (4.6)	CETP (3.7)	TRIB1 (3.1)
0.03	>=0.20	DHODH (3.1)	MAP3K4 (2.9)	C12orf43 (2.4)
0.03	>=0.20	ANGPTL3 (4.1)	GCKR (3.9)	LIPC (3.6)
0.03	>=0.20	ST3GAL4 (3.3)	ENSG00000226622 (2	OBP2B (2.6)
0.03	>=0.20	RELB (4.2)	NFE2L3 (3.6)	FUT2 (2.9)
0.03	>=0.20	APOE (3.4)	SLC44A2 (2.9)	RELB (2.5)
0.03	>=0.20	GOT2P1 (2.1)	TSSK6 (2.0)	ZHX3 (1.9)
0.03	>=0.20	PMFBP1 (3.6)	TSSK6 (3.4)	SPATC1 (2.8)
0.03	>=0.20	KPNB1 (4.7)	NUP93 (3.7)	SNX17 (3.6)
0.03	>=0.20	TSSK6 (2.8)	BUD13 (2.7)	POLK (2.5)

0.03	>=0.20	SLC44A2 (3.4)	APOE (3.4)	KRTCAP3 (2.9)
0.03	>=0.20	LPL (3.3)	APOE (3.0)	IGF2R (2.2)
0.03	>=0.20	SLC44A2 (2.5)	CELSR2 (2.4)	PVR (2.3)
0.03	>=0.20	TIMD4 (2.9)	RELB (2.7)	SLC22A3 (2.6)
0.03	>=0.20	DHODH (3.3)	FADS2 (2.8)	HMGCR (2.7)
0.03	>=0.20	CBLC (3.3)	APOA4 (3.2)	LCT (2.9)
0.03	>=0.20	LPIN3 (2.6)	ZHX3 (2.4)	YSK4 (2.2)
0.03	>=0.20	PSMA5 (6.0)	UBXN4 (4.0)	NFE2L3 (4.0)
0.03	>=0.20	CBLC (3.9)	USP24 (3.5)	PARP10 (2.9)
0.03	>=0.20	HMGCR (12.8)	LDLR (12.2)	FADS1 (9.9)
0.03	>=0.20	ENSG00000236436 (3	ABCA5 (2.8)	GSTM4 (2.6)
0.03	>=0.20	RELB (3.2)	SLC22A3 (2.9)	ENSG00000256731 (2
0.03	>=0.20	FGF21 (2.5)	LPA (2.4)	FUT1 (2.4)
0.03	>=0.20	RELB (3.2)	NPEPPS (2.4)	ABCA1 (2.3)
0.03	>=0.20	LCT (5.5)	APOA4 (4.5)	TM6SF2 (4.4)
0.03	>=0.20	CETP (3.5)	TIMD4 (3.5)	APOE (2.7)
0.03	>=0.20	SARS (3.3)	GPAM (3.1)	ATP13A1 (2.7)
0.03	>=0.20	RP1 (3.0)	GNAT2 (2.5)	BMPR2 (2.4)
0.03	>=0.20	GRINA (2.7)	IGF2R (2.7)	CYP26A1 (2.7)
0.03	>=0.20	BMPR2 (6.2)	PVRL2 (3.4)	RASIP1 (2.5)
0.03	>=0.20	MAFB (2.6)	GDF5 (2.3)	ATP13A1 (2.1)
0.03	>=0.20	CBLC (3.8)	KRTCAP3 (2.8)	HNF4A (2.4)
0.03	>=0.20	APOB (5.6)	LIPC (5.5)	APOC3 (5.4)
0.03	>=0.20	SLC22A3 (2.9)	RELB (2.9)	ENSG00000256731 (2
0.03	>=0.20	OTX1 (3.1)	NYNRIN (2.4)	FUT2 (2.2)
0.03	>=0.20	CARM1 (3.5)	GRINA (3.1)	SMARCA4 (2.7)
0.03	>=0.20	ENSG00000226645 (2	ABCA5 (2.5)	R3HDM1 (1.9)
0.03	>=0.20	TIMD4 (3.8)	CETP (3.3)	ENSG00000226806 (2
0.04	>=0.20	PVR (3.6)	LPIN3 (2.5)	PARP10 (2.5)
0.04	>=0.20	CARM1 (6.4)	SMARCA4 (3.9)	MAU2 (3.5)
0.04	>=0.20	TM6SF2 (3.4)	ABCG8 (3.3)	ABCG5 (3.2)
0.04	>=0.20	APOC1 (3.4)	SLC22A2 (3.0)	LPL (2.7)
0.04	>=0.20	RELB (4.1)	CETP (2.9)	GMIP (2.8)
0.04	>=0.20	NOP58 (5.3)	ZNF259 (4.9)	TOMM40 (3.6)
0.04	>=0.20	SLC22A3 (3.0)	BMPR2 (2.9)	ENSG00000256731 (2
0.04	>=0.20	GMIP (3.8)	SLC22A3 (2.5)	CETP (2.4)
0.04	>=0.20	NOP58 (5.5)	ZNF259 (5.1)	TOMM40 (4.3)
0.04	>=0.20	CILP2 (5.9)	BCAM (2.9)	TRAM2 (2.4)
0.04	>=0.20	NPEPPS (2.7)	R3HDM1 (2.2)	PLG (2.1)
0.04	>=0.20	APOB (5.8)	APOC3 (4.5)	APOC1 (4.1)
0.04	>=0.20	BCAM (5.5)	CBLC (4.3)	DOCK6 (3.1)
0.04	>=0.20	ST3GAL4 (2.9)	CETP (2.9)	APOE (2.9)
0.04	>=0.20	GPAM (2.6)	DARS (2.6)	TSSK6 (2.4)
0.04	>=0.20	LDLR (3.2)	CLPTM1 (2.9)	YIPF2 (2.6)
0.04	>=0.20	GSTM4 (4.8)	FADS2 (3.5)	FADS1 (3.4)
0.04	>=0.20	PPM1G (3.6)	TOMM40 (3.6)	KPNB1 (3.2)
0.04	>=0.20	FER1L4 (3.4)	LPA (2.5)	TM6SF2 (2.4)
0.04	>=0.20	MAFB (4.6)	RELB (2.9)	SPATC1 (2.7)
0.04	>=0.20	ABCA6 (2.8)	GMIP (2.6)	LPL (2.5)
0.04	>=0.20	APOC1 (3.8)	MYLIP (3.1)	GPAM (2.8)

0.04 >=0.20	ERGIC3 (3.4)	APOE (3.3)	IGF2R (3.2)
0.04 >=0.20	UBXN4 (3.0)	ABCG8 (2.7)	FER1L4 (2.7)
0.04 >=0.20	APOB (5.9)	HP (5.9)	LIPC (5.8)
0.04 >=0.20	NOP58 (4.9)	ZNF259 (4.1)	C12orf43 (3.5)
0.04 >=0.20	TRIM54 (4.3)	RASIP1 (3.5)	BCAM (3.4)
0.04 >=0.20	CYP26A1 (3.5)	GDF5 (2.9)	ENSG00000254235 (2
0.04 >=0.20	NOP58 (5.3)	ZNF259 (5.1)	TOMM40 (4.0)
0.04 >=0.20	GPAM (3.2)	GCKR (2.4)	FGF21 (2.2)
0.04 >=0.20	ABCG8 (5.0)	C17orf57 (4.4)	APOA4 (4.3)
0.04 >=0.20	ERGIC3 (4.5)	APOE (4.0)	IGF2R (3.5)
0.04 >=0.20	FGF21 (4.2)	SARS (4.2)	TRIB1 (4.1)
0.04 >=0.20	PSMA5 (5.2)	UBXN4 (4.0)	NFE2L3 (3.4)
0.04 >=0.20	ENSG00000256731 (3	SLC22A3 (3.1)	RELB (2.6)
0.04 >=0.20	APOC1 (3.1)	ZNF513 (2.6)	GDF5 (2.5)
0.04 >=0.20	RELB (2.9)	BMPR2 (2.8)	SLC22A3 (2.6)
0.04 >=0.20	FGF21 (3.3)	ENSG00000228044 (3	HP (3.1)
0.04 >=0.20	LIPG (2.2)	LCT (2.2)	FUT2 (2.1)
0.04 >=0.20	GSTM4 (3.0)	LCT (2.8)	USP24 (2.8)
0.04 >=0.20	LPL (3.4)	TIMD4 (2.7)	CETP (2.6)
0.04 >=0.20	LPAL2 (3.7)	ANGPTL3 (3.1)	LPA (3.0)
0.04 >=0.20	ZNF259 (2.9)	SUGP1 (2.6)	USP24 (2.5)
0.04 >=0.20	RASIP1 (4.4)	RP1 (3.2)	BCAM (3.2)
0.04 >=0.20	HMGCR (12.0)	LDLR (11.6)	FADS1 (8.9)
0.04 >=0.20	UBXN4 (4.1)	NUP93 (3.7)	PSMA5 (3.4)
0.04 >=0.20	KRTCAP3 (2.5)	TXNL4B (2.5)	POLK (2.2)
0.04 >=0.20	ABCA6 (4.5)	PLG (3.1)	ANGPTL3 (2.9)
0.04 >=0.20	ZRANB3 (3.6)	CEP250 (3.3)	POLK (2.8)
0.04 >=0.20	TOMM40 (3.8)	NOP58 (3.5)	ZNF259 (3.4)
0.04 >=0.20	USP24 (2.9)	PARP10 (2.6)	GSTM5 (2.4)
0.04 >=0.20	FUT2 (3.9)	RASIP1 (3.8)	DNAH11 (3.3)
0.04 >=0.20	GCKR (3.2)	ABCA6 (3.1)	HP (2.9)
0.04 >=0.20	GATAD2A (4.2)	TRIB1 (3.4)	BUD13 (3.0)
0.04 >=0.20	CLPTM1 (4.0)	GRINA (3.0)	ERGIC3 (2.5)
0.04 >=0.20	ABO (3.3)	RASIP1 (2.7)	TRIM54 (2.6)
0.04 >=0.20	APOE (2.8)	IGF2R (2.4)	PLEC (2.1)
0.04 >=0.20	MAFB (3.8)	ABCA1 (3.7)	APOC1 (2.9)
0.04 >=0.20	C11orf9 (2.3)	COL4A3BP (2.0)	HNF1A (1.9)
0.04 >=0.20	CETP (4.0)	GMIP (3.6)	MAFB (3.6)
0.04 >=0.20	TRAM2 (3.4)	LIPG (2.4)	C17orf57 (2.1)
0.04 >=0.20	SLC22A1 (6.6)	ABCG5 (5.3)	LPA (4.6)
0.04 >=0.20	NOP58 (3.9)	DHX38 (3.0)	C12orf43 (2.9)
0.04 >=0.20	CBLC (3.6)	ENSG00000236267 (3	MAFB (2.8)
0.04 >=0.20	PSRC1 (3.9)	USP1 (3.4)	FEN1 (3.0)
0.04 >=0.20	LPA (3.7)	SLC22A1 (3.4)	GCKR (2.8)
0.04 >=0.20	CBLC (5.5)	KRTCAP3 (3.4)	FUT1 (3.2)
0.04 >=0.20	BCAM (4.3)	KANK2 (2.8)	CELSR2 (2.7)
0.04 >=0.20	SARS (4.3)	UBXN4 (3.7)	SUGP1 (3.3)
0.04 >=0.20	NOP58 (5.3)	ZNF259 (5.1)	TOMM40 (3.8)
0.04 >=0.20	CETP (5.2)	RELB (4.1)	TBKBP1 (3.3)
0.04 >=0.20	IGF2R (3.9)	TRAM2 (3.6)	LIPG (3.3)

0.04	>=0.20	LPL (4.7)	RASIP1 (4.1)	DOCK6 (2.9)
0.04	>=0.20	GMIP (3.5)	PGS1 (3.1)	PARP10 (2.7)
0.04	>=0.20	LPL (6.4)	ABCA1 (3.4)	C19orf80 (3.1)
0.04	>=0.20	HMGCR (4.0)	FADS2 (3.8)	FADS1 (3.4)
0.04	>=0.20	SLC22A3 (2.8)	RELB (2.6)	ENSG00000256731 (2
0.04	>=0.20	GPAM (3.0)	LPL (3.0)	GSTM4 (2.6)
0.04	>=0.20	RASIP1 (3.3)	ENSG00000226648 (2	BMPR2 (2.4)
0.04	>=0.20	NOP58 (5.7)	ZNF259 (5.1)	TOMM40 (4.2)
0.04	>=0.20	NOP58 (4.5)	TOP1 (3.8)	ZNF259 (3.8)
0.04	>=0.20	ZHX3 (3.7)	HAVCR1 (2.5)	C11orf9 (2.3)
0.04	>=0.20	ENSG00000244861 (2	ATXN1L (2.5)	PLCG1 (2.4)
0.04	>=0.20	HP (4.4)	OASL (4.2)	PARP10 (3.2)
0.04	>=0.20	NRBP1 (3.2)	SNX17 (2.6)	CEP250 (2.6)
0.04	>=0.20	RELB (3.4)	TIMD4 (3.1)	NFE2L3 (2.9)
0.04	>=0.20	HAPLN4 (2.6)	TM6SF2 (2.5)	LPAL2 (2.5)
0.04	>=0.20	RELB (5.6)	GRINA (4.4)	PARP10 (3.0)
0.04	>=0.20	POC5 (3.8)	KPNB1 (3.1)	MCM6 (2.7)
0.04	>=0.20	DOCK7 (2.9)	LCT (2.4)	ABCG8 (2.2)
0.04	>=0.20	PARP10 (3.7)	ATXN1L (3.4)	TXNL4B (3.1)
0.04	>=0.20	DOCK7 (2.7)	BMPR2 (2.3)	ATXN1L (2.2)
0.04	>=0.20	TOMM40 (3.2)	RELB (2.4)	C12orf43 (2.4)
0.04	>=0.20	FNDC4 (3.1)	ABCG5 (3.1)	GCKR (2.6)
0.04	>=0.20	GMIP (2.6)	USP24 (2.5)	MAU2 (2.3)
0.04	>=0.20	TIMD4 (4.4)	LPL (3.7)	ABCA1 (2.7)
0.04	>=0.20	ZNF513 (3.1)	BUD13 (3.1)	DHX38 (2.2)
0.04	>=0.20	NYNRIN (3.6)	BMPR2 (2.7)	GNAI3 (2.1)
0.04	>=0.20	YIPF2 (4.4)	ERGIC3 (4.2)	TRAM2 (3.4)
0.04	>=0.20	PSMA5 (3.0)	SNX17 (2.8)	UBXN4 (2.6)
0.04	>=0.20	CETP (2.9)	TIMD4 (2.6)	ABCA6 (2.5)
0.04	>=0.20	PLEC (4.2)	BCAM (4.0)	PVRL2 (3.8)
0.04	>=0.20	LPL (7.0)	GPAM (4.2)	APOC1 (3.2)
0.04	>=0.20	ZNF259 (5.3)	NOP58 (5.2)	TOMM40 (3.5)
0.04	>=0.20	GPAM (4.3)	FADS2 (4.1)	GSTM4 (4.0)
0.04	>=0.20	GPAM (4.3)	FADS2 (4.1)	GSTM4 (4.0)
0.04	>=0.20	GNAI3 (2.2)	ABO (2.0)	PMFBP1 (2.0)
0.04	>=0.20	LPL (3.1)	TRAM2 (3.1)	SLC44A2 (2.9)
0.04	>=0.20	TRIB1 (6.2)	POLK (3.7)	PLEC (2.6)
0.04	>=0.20	RELB (8.0)	HAVCR1 (2.8)	NRBP1 (2.7)
0.04	>=0.20	TRAM2 (3.3)	SUMO1 (2.7)	HNF1A (2.1)
0.04	>=0.20	FUT1 (3.4)	CBLC (3.3)	BMPR2 (2.1)
0.04	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	SMARCA4 (3.2)
0.04	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	SMARCA4 (3.2)
0.04	>=0.20	TOMM40 (3.4)	ZNF259 (3.3)	SMARCA4 (3.2)
0.04	>=0.20	HMGCR (5.0)	FADS1 (4.9)	LDLR (4.0)
0.04	>=0.20	NOP58 (5.4)	ZNF259 (3.8)	TOMM40 (3.0)
0.04	>=0.20	ABCA1 (3.1)	TIMD4 (2.9)	MAFB (2.4)
0.04	>=0.20	NYNRIN (3.9)	ENSG00000254235 (2	NPEPPS (2.2)
0.04	>=0.20	TBKBP1 (3.3)	DOCK6 (3.3)	RASIP1 (2.8)
0.04	>=0.20	LIPG (2.3)	TBKBP1 (2.0)	DOCK6 (2.0)
0.04	>=0.20	PVR (2.5)	SLC22A1 (2.5)	LIPG (2.2)

0.04	>=0.20	GPR61 (3.3)	GPAM (2.4)	LPAL2 (2.1)
0.04	>=0.20	FUT1 (2.1)	PVR (1.8)	CELSR2 (1.5)
0.04	>=0.20	FER1L4 (3.8)	GSTM4 (2.8)	IZUMO1 (2.7)
0.04	>=0.20	BCAM (3.6)	APOB (3.3)	PLG (3.2)
0.04	>=0.20	HMGCR (10.8)	LDLR (8.7)	FADS1 (8.5)
0.04	>=0.20	HAVCR1 (4.6)	HAPLN4 (3.4)	OTX1 (3.0)
0.04	>=0.20	PGS1 (2.4)	HP (2.4)	PMFBP1 (2.0)
0.04	>=0.20	PSMA5 (5.4)	UBXN4 (4.4)	NUP93 (3.4)
0.04	>=0.20	PARP10 (3.7)	ZNF513 (3.4)	GMIP (3.4)
0.04	>=0.20	EHBP1 (2.3)	ENSG00000226645 (2	CILP2 (2.2)
0.04	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.7)
0.04	>=0.20	OASL (5.3)	PARP10 (4.1)	ENSG00000235545 (2
0.04	>=0.20	APOE (4.0)	LPL (3.4)	TIMD4 (3.2)
0.04	>=0.20	ENSG00000231204 (2	APOC1 (2.2)	PCSK9 (2.1)
0.04	>=0.20	CARM1 (3.3)	ATXN1L (2.9)	IGF2R (2.9)
0.04	>=0.20	FUT2 (2.9)	FUT1 (2.5)	CYB561D1 (2.5)
0.04	>=0.20	CYP26A1 (4.7)	NYNRIN (2.8)	ABO (2.8)
0.04	>=0.20	USP24 (3.4)	GRINA (2.3)	CLPTM1 (2.2)
0.04	>=0.20	GATAD2A (3.4)	GNAI3 (2.6)	RASIP1 (2.6)
0.04	>=0.20	MAFB (2.2)	PBX4 (2.1)	ABCA6 (1.9)
0.04	>=0.20	BCAM (3.0)	YIPF2 (2.8)	ENSG00000236267 (2
0.04	>=0.20	PVR (2.7)	POLK (2.6)	ST3GAL4 (2.1)
0.04	>=0.20	LPAL2 (4.2)	LPA (3.8)	SLC22A1 (3.2)
0.04	>=0.20	LPAL2 (4.2)	LPA (3.8)	SLC22A1 (3.2)
0.04	>=0.20	POLK (3.4)	NFE2L3 (2.8)	SUMO1 (2.5)
0.04	>=0.20	CETP (5.2)	ENSG00000256731 (2	FER1L4 (2.4)
0.04	>=0.20	APOC4 (4.5)	ANGPTL3 (4.0)	LPAL2 (3.5)
0.04	>=0.20	SARS (7.4)	KPNB1 (3.7)	UBXN4 (3.3)
0.04	>=0.20	CYP26A1 (4.3)	ENSG00000226648 (3	ENSG00000254235 (3
0.04	>=0.20	RP1 (6.5)	HMGCR (4.4)	GNAT2 (3.9)
0.04	>=0.20	KPNB1 (3.0)	PSMA5 (2.7)	ENSG00000235545 (2
0.04	>=0.20	CYP26A1 (4.3)	SLC22A1 (4.2)	LPA (3.8)
0.04	>=0.20	LPA (3.3)	ENSG00000236436 (2	GSTM4 (2.6)
0.04	>=0.20	TIMD4 (4.2)	RELB (3.8)	MAFB (3.3)
0.04	>=0.20	RELB (4.0)	PARP10 (3.3)	USP24 (2.9)
0.04	>=0.20	LPL (6.6)	GPAM (3.5)	APOA5 (2.2)
0.04	>=0.20	CBLC (4.6)	PLEC (3.4)	ABCG8 (2.5)
0.04	>=0.20	BCAM (3.8)	KANK2 (3.0)	IGF2R (2.7)
0.04	>=0.20	SLC22A3 (2.8)	RELB (2.8)	ABCA6 (2.6)
0.04	>=0.20	PARP10 (3.6)	RELB (2.9)	NFE2L3 (2.3)
0.04	>=0.20	CBLC (5.1)	LPAR2 (3.5)	KRTCAP3 (3.4)
0.04	>=0.20	RELB (4.5)	TRIB1 (2.9)	ABCA6 (2.6)
0.04	>=0.20	SLC44A2 (3.5)	TIMD4 (2.7)	CETP (2.4)
0.04	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	LIPG (3.9)	FNDC4 (3.8)	FADS1 (3.7)
0.05	>=0.20	DOCK6 (4.2)	ENSG00000226806 (4	RASIP1 (3.9)
0.05	>=0.20	PVR (3.1)	ZNF821 (3.0)	NPEPPS (2.1)
0.05	>=0.20	TRIM54 (8.0)	SYPL2 (6.0)	MAMSTR (2.4)
0.05	>=0.20	GDF5 (4.0)	CILP2 (3.7)	MYLIP (2.7)
0.05	>=0.20	RASIP1 (3.4)	ENSG00000226648 (3	APOE (2.9)

0.05 >=0.20	NOP58 (5.4)	ZNF259 (4.8)	TOMM40 (4.2)
0.05 >=0.20	APOC3 (5.2)	APOB (5.0)	LIPC (4.1)
0.05 >=0.20	SUMO1 (3.1)	TOMM40 (2.2)	FUT2 (2.0)
0.05 >=0.20	BCAM (4.8)	RASIP1 (3.1)	TRAM2 (2.9)
0.05 >=0.20	TRAM2 (3.7)	ST3GAL4 (3.1)	FUT2 (3.0)
0.05 >=0.20	SLC22A2 (4.4)	TM6SF2 (3.6)	SORT1 (3.1)
0.05 >=0.20	PLCG1 (3.4)	SLC44A2 (2.9)	MYLIP (2.5)
0.05 >=0.20	ANGPTL3 (4.3)	LIPC (3.9)	GCKR (3.6)
0.05 >=0.20	GDF5 (3.2)	CILP2 (2.6)	CYP26A1 (2.4)
0.05 >=0.20	ZNF259 (4.9)	NOP58 (4.7)	TOMM40 (4.1)
0.05 >=0.20	FADS1 (3.2)	FADS2 (3.0)	GPAM (2.9)
0.05 >=0.20	ABCA6 (3.7)	LPA (3.5)	SLC22A1 (3.3)
0.05 >=0.20	FEN1 (3.3)	USP1 (2.9)	MCM6 (2.5)
0.05 >=0.20	APOC1 (3.1)	TM6SF2 (2.3)	ABCG5 (2.0)
0.05 >=0.20	OASL (14.4)	PARP10 (9.0)	ATP13A1 (1.7)
0.05 >=0.20	CYP26A1 (2.8)	GSTM4 (2.5)	PVRL2 (2.5)
0.05 >=0.20	KANK2 (2.8)	CEP250 (2.5)	LDLR (2.5)
0.05 >=0.20	CILP2 (6.3)	OASL (3.1)	PVR (2.7)
0.05 >=0.20	RELB (5.8)	CARM1 (4.5)	MAU2 (2.9)
0.05 >=0.20	SMARCA4 (3.5)	DARS (3.3)	DHX38 (3.0)
0.05 >=0.20	MYLIP (2.5)	GSTM4 (2.3)	C19orf52 (2.1)
0.05 >=0.20	PVRL2 (2.3)	NPEPPS (2.2)	MAP3K4 (2.2)
0.05 >=0.20	RELB (6.7)	PGS1 (4.1)	GRINA (3.7)
0.05 >=0.20	MAFB (3.0)	CYP26A1 (2.5)	LDLR (2.4)
0.05 >=0.20	LIPG (3.2)	HAVCR1 (2.1)	CBLC (2.0)
0.05 >=0.20	OTX1 (3.5)	ATXN1L (3.4)	PLCG1 (3.0)
0.05 >=0.20	NOP58 (4.0)	ZNF259 (3.2)	UBXN4 (2.6)
0.05 >=0.20	NOP58 (4.9)	ZNF259 (4.8)	TOMM40 (3.8)
0.05 >=0.20	GATAD2A (3.2)	CARM1 (3.0)	R3HDM1 (2.7)
0.05 >=0.20	NRBP1 (3.3)	RAB3GAP1 (2.7)	NFE2L3 (2.6)
0.05 >=0.20	YIPF2 (3.0)	CYP26A1 (2.3)	ENSG00000228044 (2
0.05 >=0.20	NOP58 (3.0)	DARS (2.9)	KPNB1 (2.8)
0.05 >=0.20	DOCK7 (3.0)	ABCG8 (2.3)	LCT (2.3)
0.05 >=0.20	DOCK7 (3.0)	ABCG8 (2.3)	LCT (2.3)
0.05 >=0.20	ZNF513 (3.7)	UBXN4 (3.4)	PPM1G (3.3)
0.05 >=0.20	LPL (3.7)	GPAM (2.8)	LPA (2.6)
0.05 >=0.20	GRINA (4.7)	FADS1 (3.7)	IGF2R (2.7)
0.05 >=0.20	CETP (3.8)	CILP2 (2.9)	APOE (2.7)
0.05 >=0.20	RELB (4.6)	IST1 (2.8)	USP24 (2.7)
0.05 >=0.20	ABCG5 (3.0)	HP (3.0)	LCT (2.5)
0.05 >=0.20	RASIP1 (3.3)	PVR (3.1)	OBP2B (2.2)
0.05 >=0.20	PLEC (4.3)	CBLC (4.3)	BCAM (4.2)
0.05 >=0.20	PLEC (2.6)	GNAI3 (2.5)	MAP3K4 (2.3)
0.05 >=0.20	TRAM2 (5.0)	YIPF2 (3.4)	AMPD2 (2.2)
0.05 >=0.20	SMARCA4 (4.2)	CARM1 (4.2)	DARS (3.3)
0.05 >=0.20	CEP250 (2.7)	PLEC (2.5)	PCSK9 (2.5)
0.05 >=0.20	CBLC (5.4)	FUT2 (3.6)	GRINA (3.0)
0.05 >=0.20	C11orf9 (4.0)	TRIM54 (3.9)	SYPL2 (3.7)
0.05 >=0.20	PLEC (4.3)	PVRL2 (3.9)	BCAM (3.9)
0.05 >=0.20	TRIB1 (4.2)	RELB (3.0)	PLEC (2.6)

0.05	>=0.20	PARP10 (3.3)	PGS1 (3.0)	OASL (2.5)
0.05	>=0.20	CILP2 (3.2)	GMIP (2.8)	GRINA (2.4)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.8)
0.05	>=0.20	KPNB1 (3.0)	PLEC (2.9)	SARS (2.5)
0.05	>=0.20	LPAR2 (2.9)	ABO (2.8)	PGS1 (2.4)
0.05	>=0.20	DHX38 (2.9)	SUGP1 (2.9)	PLCG1 (2.5)
0.05	>=0.20	DHX38 (2.9)	SUGP1 (2.9)	PLCG1 (2.5)
0.05	>=0.20	APOE (2.9)	CILP2 (2.7)	IGF2R (2.6)
0.05	>=0.20	TOP1 (3.9)	NOP58 (3.6)	NUP93 (3.3)
0.05	>=0.20	TSSK6 (2.9)	HNF1A (2.8)	KRTCAP3 (2.6)
0.05	>=0.20	CLPTM1 (2.4)	CARM1 (2.4)	GSTM5 (2.0)
0.05	>=0.20	APOA4 (6.8)	ABCG8 (6.6)	TM6SF2 (6.0)
0.05	>=0.20	FGF21 (3.2)	HNF4A (3.1)	GCKR (2.7)
0.05	>=0.20	NOP58 (4.5)	ZNF259 (4.0)	TOMM40 (3.4)
0.05	>=0.20	GSTM5 (3.3)	ENSG00000226622 (3	LPAR2 (2.6)
0.05	>=0.20	APOA4 (4.5)	LCT (3.9)	FUT2 (3.7)
0.05	>=0.20	ABCG5 (4.3)	ABCG8 (3.7)	GCKR (3.4)
0.05	>=0.20	PVR (2.6)	GMIP (2.4)	RELB (2.4)
0.05	>=0.20	TRIB1 (6.0)	FGF21 (4.6)	SARS (3.9)
0.05	>=0.20	CILP2 (2.6)	CYP26A1 (2.4)	MAFB (2.3)
0.05	>=0.20	USP24 (3.4)	KPNB1 (3.2)	NRBP1 (2.7)
0.05	>=0.20	RASIP1 (3.0)	GPAM (2.7)	CETP (2.6)
0.05	>=0.20	ENSG00000236267 (2	ENSG00000244861 (2	ST3GAL4 (2.3)
0.05	>=0.20	CEP250 (3.8)	GMIP (3.3)	NRBP1 (2.4)
0.05	>=0.20	DOCK6 (3.1)	RASIP1 (2.9)	TBKBP1 (2.9)
0.05	>=0.20	APOA4 (4.1)	GPAM (4.0)	C19orf80 (3.1)
0.05	>=0.20	APOA4 (4.1)	GPAM (4.0)	C19orf80 (3.1)
0.05	>=0.20	APOA4 (4.1)	GPAM (4.0)	C19orf80 (3.1)
0.05	>=0.20	OBP2B (4.5)	CYP26A1 (3.1)	CILP2 (2.5)
0.05	>=0.20	KPNB1 (2.8)	OTX1 (2.8)	C17orf57 (2.3)
0.05	>=0.20	CILP2 (4.4)	GDF5 (2.9)	KANK2 (2.6)
0.05	>=0.20	RASIP1 (3.5)	CETP (2.5)	BMPR2 (2.4)
0.05	>=0.20	TRIB1 (3.0)	RELB (3.0)	MAFB (3.0)
0.05	>=0.20	PPM1G (3.0)	KPNB1 (2.7)	SNX17 (2.7)
0.05	>=0.20	USP24 (3.4)	GMIP (2.9)	SORT1 (2.8)
0.05	>=0.20	ZHX3 (3.1)	KANK2 (3.0)	CARM1 (2.9)
0.05	>=0.20	RASIP1 (5.9)	CETP (4.0)	DOCK6 (3.3)

0.05	>=0.20	PGS1 (4.7)	PARP10 (3.5)	GMIP (3.1)
0.05	>=0.20	ABO (3.7)	SPATC1 (2.3)	TSSK6 (2.0)
0.05	>=0.20	OASL (9.3)	PARP10 (7.5)	NFE2L3 (2.7)
0.05	>=0.20	UBXN4 (2.9)	SARS (2.7)	FGF21 (2.4)
0.05	>=0.20	ENSG00000254235 (3	HMGCR (2.9)	MAFB (2.9)
0.05	>=0.20	TIMD4 (3.7)	RELB (3.2)	NFE2L3 (2.8)
0.05	>=0.20	OASL (4.4)	PARP10 (3.6)	SYPL2 (3.2)
0.05	>=0.20	RASIP1 (3.7)	PVR (2.6)	DOCK6 (2.3)
0.05	>=0.20	PLG (6.2)	ANGPTL3 (5.7)	APOC3 (5.0)
0.05	>=0.20	ZNF513 (2.9)	PARP10 (2.9)	IST1 (2.9)
0.05	>=0.20	BCAM (2.6)	TRAM2 (2.5)	CYP26A1 (2.5)
0.05	>=0.20	SUGP1 (4.2)	DHX38 (4.2)	MAU2 (3.5)
0.05	>=0.20	LPA (2.7)	GPAM (2.3)	OBP2B (2.3)
0.05	>=0.20	PARP10 (3.1)	IST1 (3.0)	ST3GAL4 (3.0)
0.05	>=0.20	NYNRIN (4.9)	FADS2 (2.8)	OTX1 (2.7)
0.05	>=0.20	DNAH11 (3.2)	C11orf9 (3.1)	LIPG (2.8)
0.05	>=0.20	SLC22A2 (4.0)	TM6SF2 (3.8)	ABCG8 (3.6)
0.05	>=0.20	HMGCR (3.0)	CBLC (2.8)	MAFB (2.6)
0.05	>=0.20	PLG (4.2)	ANGPTL3 (3.7)	APOC4 (3.2)
0.05	>=0.20	PLEC (3.5)	TRIB1 (3.2)	ATXN7L2 (2.8)
0.05	>=0.20	TRIB1 (2.4)	MYLIP (2.0)	GSTM5 (1.9)
0.05	>=0.20	GPAM (2.4)	C19orf80 (2.0)	DHX38 (2.0)
0.05	>=0.20	LPL (3.1)	ABCG8 (3.0)	TIMD4 (2.9)
0.05	>=0.20	HMGCR (5.2)	LDLR (4.8)	CBLC (3.4)
0.05	>=0.20	RELB (4.5)	TRIB1 (2.7)	TIMD4 (2.5)
0.05	>=0.20	LDLR (9.1)	HMGCR (8.9)	FADS2 (7.9)
0.05	>=0.20	PCSK9 (5.1)	FADS2 (4.6)	FADS1 (4.5)
0.05	>=0.20	SLC22A2 (3.1)	SLC22A1 (2.9)	HNF1A (2.6)
0.05	>=0.20	MAFB (3.2)	ABCA1 (3.0)	GMIP (2.7)
0.05	>=0.20	ZHX3 (3.1)	CLPTM1 (2.6)	TRAM2 (2.3)
0.05	>=0.20	LPL (3.3)	CLPTM1 (3.1)	PVRL2 (2.6)
0.05	>=0.20	POLK (3.2)	C17orf57 (2.6)	ENSG00000244861 (2
0.05	>=0.20	NRBP1 (3.7)	KPNB1 (3.1)	PPM1G (2.4)
0.05	>=0.20	UBXN4 (3.6)	USP1 (2.5)	SMARCA4 (2.5)
0.05	>=0.20	PARP10 (3.1)	GDF5 (2.8)	GSTM5 (2.6)
0.05	>=0.20	RELB (5.0)	CETP (3.2)	GMIP (2.3)
0.05	>=0.20	CILP2 (4.0)	CYP26A1 (3.0)	BCAM (2.5)
0.05	>=0.20	USP1 (3.2)	POC5 (2.9)	NUP93 (2.7)
0.05	>=0.20	PSMA5 (4.8)	UBXN4 (4.3)	NUP93 (3.0)
0.05	>=0.20	LIPG (5.1)	C17orf57 (3.5)	ZHX3 (3.1)
0.05	>=0.20	SLC22A3 (3.0)	RELB (2.7)	ENSG00000256731 (2
0.05	>=0.20	YIPF2 (4.6)	SARS (3.5)	UBXN4 (2.8)
0.05	>=0.20	PPM1G (4.1)	SNX17 (3.4)	SARS (2.8)
0.05	>=0.20	RELB (2.9)	TIMD4 (2.6)	SLC22A3 (2.4)
0.05	>=0.20	RP1 (8.4)	GNAT2 (6.6)	ABO (2.8)
0.05	>=0.20	C12orf43 (3.9)	ZNF259 (3.8)	DHODH (3.5)
0.05	>=0.20	TIMD4 (4.7)	RELB (4.5)	CETP (2.9)
0.05	>=0.20	TIMD4 (3.2)	NFE2L3 (2.6)	RELB (2.5)
0.05	>=0.20	RELB (3.0)	SLC22A3 (2.7)	ENSG00000256731 (2
0.05	>=0.20	MAMSTR (2.6)	KANK2 (2.2)	DOCK6 (2.0)

0.06 >=0.20	UBXN4 (5.3)	PSMA5 (5.3)	NFE2L3 (3.8)
0.06 >=0.20	MAMSTR (2.7)	BCAM (2.6)	DOCK6 (2.6)
0.06 >=0.20	CBLC (4.5)	KRTCAP3 (3.6)	ATXN1L (2.7)
0.06 >=0.20	APOE (4.0)	GRINA (3.2)	ERGIC3 (3.2)
0.06 >=0.20	GNAI3 (2.9)	KANK2 (2.5)	PLCG1 (2.0)
0.06 >=0.20	SLC22A3 (3.0)	RELB (2.8)	ENSG00000256731 (2
0.06 >=0.20	TIMD4 (5.5)	GNAI3 (2.9)	MAFB (2.9)
0.06 >=0.20	OASL (3.2)	TIMD4 (2.9)	CETP (2.5)
0.06 >=0.20	KPNB1 (3.3)	HMGCR (2.6)	TOMM40 (2.6)
0.06 >=0.20	USP24 (3.1)	PARP10 (3.0)	MAU2 (2.9)
0.06 >=0.20	USP24 (3.1)	PARP10 (3.0)	MAU2 (2.9)
0.06 >=0.20	CARM1 (3.8)	PLEC (3.3)	COL4A3BP (2.9)
0.06 >=0.20	ST3GAL4 (3.9)	GPAM (2.1)	PVRL2 (2.0)
0.06 >=0.20	BCAM (3.1)	NYNRIN (3.1)	KANK2 (2.4)
0.06 >=0.20	ST3GAL4 (2.3)	PVR (2.1)	POLK (2.0)
0.06 >=0.20	FADS2 (5.1)	FADS1 (4.8)	GPAM (4.7)
0.06 >=0.20	CEP250 (3.1)	MCM6 (2.5)	POLK (2.1)
0.06 >=0.20	ERGIC3 (5.1)	YIPF2 (4.0)	ATP13A1 (3.8)
0.06 >=0.20	ST3GAL4 (3.1)	NPEPPS (2.6)	MAMSTR (2.3)
0.06 >=0.20	PVR (2.7)	TIMD4 (2.7)	PLEC (2.6)
0.06 >=0.20	SARS (6.6)	HAPLN4 (2.9)	GPAM (2.5)
0.06 >=0.20	RELB (4.4)	GMIP (2.3)	ABCA6 (2.2)
0.06 >=0.20	BMPR2 (6.0)	RASIP1 (3.2)	TBKBP1 (2.4)
0.06 >=0.20	LPA (4.6)	ENSG00000182329 (4	SLC22A1 (4.2)
0.06 >=0.20	LPA (4.6)	ENSG00000182329 (4	SLC22A1 (4.2)
0.06 >=0.20	HMGCR (17.8)	LDLR (16.0)	FADS1 (13.3)
0.06 >=0.20	OASL (10.1)	PARP10 (7.4)	RELB (3.4)
0.06 >=0.20	CBLC (5.0)	KRTCAP3 (4.4)	HNF4A (3.2)
0.06 >=0.20	ZNF513 (3.2)	LPIN3 (2.2)	MYLIP (2.2)
0.06 >=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.7)
0.06 >=0.20	LPA (4.6)	ENSG00000182329 (4	SLC22A1 (4.3)
0.06 >=0.20	KPNB1 (3.9)	MCM6 (3.8)	PSRC1 (3.8)
0.06 >=0.20	NOP58 (4.6)	ZNF259 (4.5)	TOMM40 (3.1)
0.06 >=0.20	LPL (6.5)	GPAM (5.5)	COL4A3BP (2.7)
0.06 >=0.20	DNAH11 (3.6)	GOT2P1 (3.0)	PBX4 (2.4)
0.06 >=0.20	POC5 (3.3)	NUP93 (3.3)	USP1 (3.1)
0.06 >=0.20	PSMA5 (4.6)	UBXN4 (3.5)	SUGP1 (3.5)
0.06 >=0.20	MAFB (3.2)	CILP2 (3.0)	GDF5 (2.5)
0.06 >=0.20	BCAM (4.7)	PVRL2 (3.7)	NYNRIN (3.6)
0.06 >=0.20	LPAR2 (3.2)	CARM1 (2.9)	C11orf9 (2.7)
0.06 >=0.20	NRBP1 (3.1)	KPNB1 (3.0)	SARS (2.9)
0.06 >=0.20	HMGCR (10.2)	LDLR (8.2)	FADS1 (7.1)
0.06 >=0.20	DOCK7 (3.2)	BUD13 (3.2)	USP24 (3.1)
0.06 >=0.20	MAFB (2.7)	LPL (2.6)	CILP2 (2.5)
0.06 >=0.20	LPL (3.2)	SORT1 (3.1)	TRIB1 (2.6)
0.06 >=0.20	NYNRIN (4.7)	GDF5 (3.8)	PVRL2 (2.9)
0.06 >=0.20	APOA4 (3.3)	LCT (3.1)	ABCG8 (2.8)
0.06 >=0.20	PARP10 (3.0)	USP24 (2.8)	MAU2 (2.8)
0.06 >=0.20	TIMD4 (3.2)	MAFB (3.1)	ENSG00000228044 (2
0.06 >=0.20	SORT1 (3.3)	HAPLN4 (3.1)	GPAM (2.9)

0.06 >=0.20	C11orf9 (5.5)	GDF5 (2.7)	ABCA1 (2.7)
0.06 >=0.20	LPL (6.2)	GPAM (5.7)	C19orf80 (4.0)
0.06 >=0.20	CYP26A1 (3.3)	OTX1 (2.3)	TRIB1 (2.1)
0.06 >=0.20	MAFB (3.1)	SLC44A2 (2.7)	GMIP (2.5)
0.06 >=0.20	APOC1 (3.0)	LPL (3.0)	ABCA1 (2.8)
0.06 >=0.20	CBLC (4.9)	FUT1 (3.7)	KRTCAP3 (2.9)
0.06 >=0.20	GOT2P1 (2.9)	SPATC1 (2.8)	FER1L4 (2.5)
0.06 >=0.20	ANGPTL3 (4.7)	LIPC (4.0)	PLG (3.6)
0.06 >=0.20	MYLIP (3.9)	SLC44A2 (3.2)	C17orf57 (2.8)
0.06 >=0.20	NOP58 (5.2)	ZNF259 (4.3)	TOMM40 (3.8)
0.06 >=0.20	MAMSTR (3.2)	OTX1 (3.2)	BUD13 (3.1)
0.06 >=0.20	NOP58 (4.3)	ZNF259 (3.6)	DARS (3.1)
0.06 >=0.20	DHODH (4.1)	NOP58 (3.9)	DHX38 (3.9)
0.06 >=0.20	NOP58 (4.4)	DARS (3.3)	ZNF259 (3.0)
0.06 >=0.20	APOB (7.1)	APOC3 (6.3)	APOA4 (4.4)
0.06 >=0.20	CBLC (6.4)	KRTCAP3 (3.3)	LPAR2 (3.0)
0.06 >=0.20	ENSG00000226806 (3	PBX4 (2.9)	PARP10 (2.7)
0.06 >=0.20	TRIB1 (3.1)	FGF21 (3.1)	HNF1A (2.9)
0.06 >=0.20	PGS1 (3.8)	HP (3.5)	MAFB (3.2)
0.06 >=0.20	ANGPTL3 (3.8)	PLG (3.0)	SLC22A2 (2.6)
0.06 >=0.20	ST3GAL4 (3.5)	YSK4 (2.9)	DNAH11 (2.8)
0.06 >=0.20	NPEPPS (2.9)	DOCK6 (2.7)	C11orf9 (2.3)
0.06 >=0.20	PARP10 (3.6)	MAFB (2.2)	POLK (2.1)
0.06 >=0.20	GATAD2A (3.6)	ATP13A1 (3.2)	C17orf57 (3.1)
0.06 >=0.20	PVR (3.2)	KANK2 (2.9)	SLC44A2 (2.6)
0.06 >=0.20	RELB (2.9)	SLC22A3 (2.8)	ABCA6 (2.5)
0.06 >=0.20	CYP26A1 (2.6)	COL4A3BP (2.4)	RASIP1 (2.4)
0.06 >=0.20	PGS1 (3.9)	ABCA1 (3.7)	SLC22A3 (2.7)
0.06 >=0.20	SLC22A1 (3.1)	ABCA6 (2.7)	LPA (2.5)
0.06 >=0.20	PGS1 (5.9)	PARP10 (3.6)	GRINA (2.2)
0.06 >=0.20	CILP2 (4.9)	LPL (3.2)	BCAM (2.8)
0.06 >=0.20	BCAM (4.9)	PLEC (4.3)	ST3GAL4 (3.1)
0.06 >=0.20	FNDC4 (4.3)	SLC22A2 (3.6)	FADS1 (3.4)
0.06 >=0.20	YIPF2 (4.6)	UBXN4 (3.3)	SNX17 (2.5)
0.06 >=0.20	MYLIP (4.7)	DOCK6 (2.6)	C17orf57 (2.4)
0.06 >=0.20	PGS1 (3.1)	RELB (2.2)	PVR (2.0)
0.06 >=0.20	ENSG00000236267 (5	HNF1A (3.0)	LPAL2 (2.6)
0.06 >=0.20	MCM6 (3.6)	DARS (3.2)	SMARCA4 (3.1)
0.06 >=0.20	GPAM (4.3)	GSTM4 (3.0)	LIPG (2.7)
0.06 >=0.20	GPAM (4.3)	GSTM4 (3.0)	LIPG (2.7)
0.06 >=0.20	CILP2 (5.5)	BMPR2 (4.1)	GDF5 (2.6)
0.06 >=0.20	SUGP1 (3.8)	DHX38 (3.7)	MAU2 (3.4)
0.06 >=0.20	TRAM2 (3.2)	CYP26A1 (3.2)	OTX1 (3.1)
0.06 >=0.20	DHX38 (3.5)	USP24 (3.3)	KPNB1 (3.2)
0.06 >=0.20	CETP (2.5)	CYP26A1 (2.2)	IGF2R (2.1)
0.06 >=0.20	KPNB1 (3.4)	LDLR (3.3)	PPM1G (2.6)
0.06 >=0.20	PLG (5.6)	APOB (5.2)	APOC3 (4.9)
0.06 >=0.20	ATXN1L (2.6)	OASL (2.0)	ENSG00000254235 (1
0.06 >=0.20	PARP10 (5.0)	YIPF2 (3.2)	UBXN4 (2.7)
0.06 >=0.20	GSTM4 (4.4)	PLG (3.4)	APOC4 (3.3)

0.06 >=0.20	GCKR (3.1)	PLG (2.7)	APOA5 (2.3)
0.06 >=0.20	LPA (6.8)	APOC4 (4.3)	SLC22A1 (4.1)
0.06 >=0.20	C17orf57 (2.9)	TRAM2 (2.8)	POLK (2.7)
0.06 >=0.20	ZNF259 (4.4)	NOP58 (3.9)	TOMM40 (3.5)
0.06 >=0.20	TRIB1 (4.0)	APOC1 (3.3)	MAFB (3.0)
0.06 >=0.20	NOP58 (5.9)	ZNF259 (5.0)	TOMM40 (3.2)
0.06 >=0.20	NOP58 (5.9)	ZNF259 (5.0)	TOMM40 (3.2)
0.06 >=0.20	NOP58 (5.9)	ZNF259 (5.0)	TOMM40 (3.2)
0.06 >=0.20	ABCG5 (2.0)	PSMA5 (1.9)	GSTM4 (1.9)
0.06 >=0.20	NOP58 (5.9)	ZNF259 (4.7)	TOMM40 (3.9)
0.06 >=0.20	LPA (2.6)	SLC22A1 (2.6)	ABCA6 (2.4)
0.06 >=0.20	SLC22A3 (2.9)	ENSG00000256731 (2	RELB (2.8)
0.06 >=0.20	HNF1A (2.4)	CETP (2.0)	CBLC (1.9)
0.06 >=0.20	TIMD4 (4.9)	APOE (4.4)	MAFB (3.4)
0.06 >=0.20	GPAM (2.8)	GSTM5 (2.3)	GPR61 (2.2)
0.06 >=0.20	AMPD2 (3.8)	NOP58 (3.4)	TOP1 (3.2)
0.06 >=0.20	GSTM4 (5.4)	FADS2 (4.0)	FADS1 (3.3)
0.06 >=0.20	ZNF259 (5.4)	NOP58 (5.4)	TOMM40 (3.5)
0.06 >=0.20	SLC22A2 (7.2)	HNF4A (2.4)	ST3GAL4 (2.2)
0.06 >=0.20	NUP93 (3.0)	TOP1 (3.0)	DHX38 (2.9)
0.06 >=0.20	USP1 (4.3)	FEN1 (4.2)	ZRANB3 (3.8)
0.06 >=0.20	YSK4 (4.9)	OTX1 (4.3)	OASL (2.6)
0.06 >=0.20	LPL (3.7)	GPAM (2.7)	CILP2 (2.5)
0.06 >=0.20	FUT1 (5.1)	CBLC (3.9)	OBP2B (3.7)
0.06 >=0.20	FNDC4 (3.2)	DOCK6 (2.7)	PVRL2 (2.6)
0.06 >=0.20	CBLC (4.7)	FUT1 (2.7)	BCAM (2.6)
0.06 >=0.20	LIPG (2.4)	CETP (2.3)	ENSG00000226648 (2
0.06 >=0.20	MAFB (3.6)	APOE (2.8)	SLC22A1 (2.3)
0.06 >=0.20	NUP93 (3.2)	POC5 (3.1)	USP1 (3.1)
0.06 >=0.20	ATXN1L (3.1)	BUD13 (2.5)	NRBP1 (2.4)
0.06 >=0.20	RELB (3.7)	NUP93 (2.8)	TXNL4B (2.8)
0.06 >=0.20	DNAH11 (3.7)	ENSG00000231204 (3	GOT2P1 (2.9)
0.06 >=0.20	ZNF821 (3.0)	C19orf52 (2.6)	FADS2 (2.6)
0.06 >=0.20	DOCK6 (3.2)	PVRL2 (3.2)	RASIP1 (2.9)
0.06 >=0.20	C19orf80 (3.0)	ST3GAL4 (2.9)	HP (2.5)
0.06 >=0.20	SARS (4.4)	SMARCA4 (4.1)	ATP13A1 (3.4)
0.06 >=0.20	TOMM40 (4.3)	ZNF259 (3.9)	NOP58 (3.7)
0.06 >=0.20	TOMM40 (4.3)	ZNF259 (3.9)	NOP58 (3.7)
0.07 >=0.20	NOP58 (4.8)	ZNF259 (4.3)	TOMM40 (3.8)
0.07 >=0.20	TXNL4B (4.8)	GNAI3 (2.7)	PGS1 (2.5)
0.07 >=0.20	APOB (2.3)	FER1L4 (2.2)	LPL (2.1)
0.07 >=0.20	RELB (3.0)	SLC22A3 (2.9)	ENSG00000256731 (2
0.07 >=0.20	CBLC (4.9)	PVRL2 (4.1)	KRTCAP3 (3.7)
0.07 >=0.20	DHX38 (2.6)	GNAI3 (2.6)	ENSG00000231204 (2
0.07 >=0.20	PLCG1 (3.6)	HAVCR1 (3.4)	IGF2R (3.0)
0.07 >=0.20	PSMA5 (5.8)	UBXN4 (5.2)	TOMM40 (3.5)
0.07 >=0.20	NOP58 (4.4)	ZNF259 (4.3)	TOMM40 (3.1)
0.07 >=0.20	ATP13A1 (3.6)	SARS (3.0)	DARS (2.8)
0.07 >=0.20	NRBP1 (4.7)	ERGIC3 (3.5)	SARS (3.5)
0.07 >=0.20	BCAM (5.2)	PVRL2 (4.3)	LIPG (3.3)

0.07	>=0.20	RASIP1 (3.8)	BMPR2 (3.1)	PVR (2.8)
0.07	>=0.20	ATXN7L2 (2.7)	ENSG00000226645 (2	YIPF2 (1.9)
0.07	>=0.20	CETP (2.8)	GSTM5 (2.6)	RELB (2.5)
0.07	>=0.20	PLEC (4.6)	KANK2 (2.5)	BCAM (2.2)
0.07	>=0.20	TRIB1 (6.4)	FGF21 (3.7)	SARS (3.4)
0.07	>=0.20	OTX1 (4.2)	CYP26A1 (3.3)	ENSG00000231204 (2
0.07	>=0.20	SLC22A3 (4.4)	ENSG00000256731 (4	CETP (2.7)
0.07	>=0.20	TIMD4 (2.4)	DNAH11 (2.0)	CETP (1.9)
0.07	>=0.20	ERGIC3 (3.0)	TRAM2 (2.8)	ATP13A1 (2.7)
0.07	>=0.20	PSMA5 (3.9)	TOMM40 (3.4)	PPM1G (2.4)
0.07	>=0.20	UBXN4 (4.3)	KPNB1 (3.6)	TOMM40 (3.5)
0.07	>=0.20	LPA (2.9)	RP1 (2.9)	GNAT2 (2.5)
0.07	>=0.20	DOCK7 (3.7)	GMIP (3.1)	SNX17 (2.9)
0.07	>=0.20	MAMSTR (3.4)	SLC44A2 (3.0)	BMPR2 (2.6)
0.07	>=0.20	SMARCA4 (3.9)	DHX38 (3.0)	IST1 (2.9)
0.07	>=0.20	ENSG00000231204 (3	GOT2P1 (2.9)	FUT2 (2.7)
0.07	>=0.20	NOP58 (5.4)	ZNF259 (5.3)	TOMM40 (3.8)
0.07	>=0.20	APOA4 (7.2)	TM6SF2 (6.6)	SLC22A2 (5.3)
0.07	>=0.20	HNF1A (3.7)	ABCG8 (3.3)	LPIN3 (2.7)
0.07	>=0.20	SLC22A1 (5.1)	GSTM4 (4.9)	TM6SF2 (4.7)
0.07	>=0.20	RELB (5.9)	PARP10 (3.7)	OASL (3.4)
0.07	>=0.20	BCAM (3.4)	TRIM54 (3.2)	TRAM2 (3.1)
0.07	>=0.20	ENSG00000244861 (2	KPNB1 (2.6)	ST3GAL4 (2.5)
0.07	>=0.20	C19orf80 (3.0)	ANGPTL3 (2.6)	GPAM (2.5)
0.07	>=0.20	PARP10 (2.2)	NFE2L3 (2.1)	ABCA6 (2.1)
0.07	>=0.20	OBP2B (3.0)	ABCA6 (2.7)	FER1L4 (2.5)
0.07	>=0.20	TRAM2 (3.3)	BCAM (3.2)	NFE2L3 (2.9)
0.07	>=0.20	HMGCR (16.7)	LDLR (14.7)	FADS1 (12.2)
0.07	>=0.20	FADS2 (3.6)	SNX17 (3.1)	FADS1 (2.7)
0.07	>=0.20	SLC22A2 (4.0)	LPL (3.8)	CILP2 (3.3)
0.07	>=0.20	ZNF259 (4.6)	NOP58 (4.6)	TOMM40 (3.3)
0.07	>=0.20	CETP (3.7)	GRINA (3.1)	ABCA5 (2.6)
0.07	>=0.20	PLEC (3.4)	CARM1 (3.0)	ZHX3 (3.0)
0.07	>=0.20	ST3GAL4 (3.2)	KRTCAP3 (2.9)	OBP2B (2.5)
0.07	>=0.20	PSMA5 (5.5)	UBXN4 (4.5)	NUP93 (3.1)
0.07	>=0.20	NOP58 (4.6)	ZNF259 (3.3)	TOMM40 (3.0)
0.07	>=0.20	C19orf52 (3.2)	SARS (3.1)	GNAI3 (2.8)
0.07	>=0.20	RASIP1 (3.7)	ENSG00000226645 (3	DOCK6 (3.4)
0.07	>=0.20	UBXN4 (3.5)	DHX38 (2.7)	PGS1 (2.5)
0.07	>=0.20	BCAM (3.4)	RP1 (3.3)	LPL (3.2)
0.07	>=0.20	POC5 (3.3)	BUD13 (2.8)	NUP93 (2.7)
0.07	>=0.20	POC5 (3.3)	BUD13 (2.8)	NUP93 (2.7)
0.07	>=0.20	TM6SF2 (3.5)	ABCG8 (3.3)	SLC22A2 (3.1)
0.07	>=0.20	GPAM (5.1)	HMGCR (3.7)	PGS1 (3.3)
0.07	>=0.20	LPA (2.3)	FADS2 (2.2)	ENSG00000236267 (2
0.07	>=0.20	LPA (2.3)	FADS2 (2.2)	ENSG00000236267 (2
0.07	>=0.20	LPL (6.3)	GPAM (4.6)	C19orf80 (2.6)
0.07	>=0.20	BCAM (3.3)	GPAM (2.6)	PLEC (2.5)
0.07	>=0.20	PGS1 (3.5)	COL4A3BP (2.6)	RELB (2.0)
0.07	>=0.20	HNF4A (4.8)	ABO (3.8)	HNF1A (3.2)

0.07 >=0.20	FUT2 (3.7)	HNF4A (2.9)	ST3GAL4 (2.9)
0.07 >=0.20	ZNF259 (4.9)	NOP58 (3.9)	DHODH (3.6)
0.07 >=0.20	SLC22A2 (4.8)	TM6SF2 (3.7)	ABCG8 (3.5)
0.07 >=0.20	TRAM2 (3.2)	PVR (3.0)	IGF2R (2.8)
0.07 >=0.20	MYLIP (4.3)	DOCK6 (4.0)	C17orf57 (2.4)
0.07 >=0.20	NOP58 (5.1)	ZNF259 (5.1)	TOMM40 (3.7)
0.07 >=0.20	MAP3K4 (2.9)	NPEPPS (2.8)	LPA (2.6)
0.07 >=0.20	ENSG00000228044 (4	AMIGO1 (2.1)	PVR (2.1)
0.07 >=0.20	CILP2 (6.9)	GDF5 (4.7)	LPL (3.0)
0.07 >=0.20	FUT2 (3.5)	PVR (2.9)	ZNF513 (2.4)
0.07 >=0.20	OASL (6.2)	PARP10 (3.1)	NPEPPS (2.7)
0.07 >=0.20	CELSR2 (3.0)	C11orf9 (2.9)	PLEC (2.6)
0.07 >=0.20	NOP58 (4.5)	ZNF259 (3.3)	DHX38 (2.8)
0.07 >=0.20	KPNB1 (3.6)	UBXN4 (3.4)	PSMA5 (3.4)
0.07 >=0.20	OTX1 (5.6)	CYP26A1 (3.9)	LPAR2 (2.5)
0.07 >=0.20	CBLC (4.0)	C11orf9 (2.9)	FUT2 (2.5)
0.07 >=0.20	C11orf9 (3.5)	RASIP1 (3.3)	TBKBP1 (3.3)
0.07 >=0.20	PARP10 (2.8)	PSRC1 (2.6)	GMIP (2.6)
0.07 >=0.20	EHBP1 (2.6)	ENSG00000244861 (2	ABO (2.3)
0.07 >=0.20	TIMD4 (3.4)	GMIP (2.8)	LPA (2.2)
0.07 >=0.20	FUT1 (2.6)	OTX1 (2.2)	PLEC (2.1)
0.07 >=0.20	PLCG1 (3.0)	IGF2R (2.9)	SNX17 (2.7)
0.07 >=0.20	CBLC (4.3)	BCAM (4.3)	LIPG (3.2)
0.07 >=0.20	ANGPTL3 (3.4)	PVR (2.9)	MAMSTR (2.8)
0.07 >=0.20	SLC22A2 (4.3)	LIPG (2.2)	TRAM2 (2.2)
0.07 >=0.20	PMFBP1 (4.0)	ENSG00000228044 (3	IZUMO1 (2.5)
0.07 >=0.20	NOP58 (5.7)	ZNF259 (4.6)	TOMM40 (3.5)
0.07 >=0.20	CARM1 (5.2)	NYNRIN (3.0)	GRINA (2.8)
0.07 >=0.20	NUP93 (3.6)	KPNB1 (3.2)	POC5 (3.0)
0.07 >=0.20	OASL (6.1)	PARP10 (5.3)	LPA (2.5)
0.07 >=0.20	KPNB1 (3.1)	NPEPPS (3.0)	NOP58 (2.3)
0.07 >=0.20	BCAM (2.1)	FUT2 (2.0)	CETP (2.0)
0.07 >=0.20	LPL (5.4)	GPAM (4.2)	APOA4 (2.6)
0.07 >=0.20	TM6SF2 (2.8)	HNF1A (2.7)	OBP2B (2.1)
0.07 >=0.20	ENSG00000226806 (2	PBX4 (2.7)	COL4A3BP (2.6)
0.07 >=0.20	BCAM (4.6)	CBLC (4.5)	PVRL2 (4.3)
0.07 >=0.20	CILP2 (3.1)	TRIB1 (2.7)	IFT172 (2.2)
0.07 >=0.20	USP1 (3.3)	NUP93 (3.2)	POC5 (3.0)
0.07 >=0.20	CETP (2.3)	LIPG (2.2)	MAFB (2.1)
0.07 >=0.20	MAFB (3.0)	GMIP (2.4)	CETP (2.3)
0.07 >=0.20	CYP26A1 (3.9)	NPEPPS (3.2)	DOCK7 (2.6)
0.07 >=0.20	SNX17 (3.2)	NRBP1 (2.9)	ENSG00000235545 (2
0.07 >=0.20	DHX38 (4.3)	TOP1 (3.8)	SMARCA4 (3.4)
0.07 >=0.20	BMPR2 (5.3)	ZNF513 (2.3)	KANK2 (2.1)
0.07 >=0.20	CILP2 (4.1)	IGF2R (2.4)	PVRL2 (2.1)
0.07 >=0.20	ZNF259 (5.0)	NOP58 (4.9)	TOMM40 (3.8)
0.07 >=0.20	BMPR2 (2.9)	ATXN1L (2.8)	PVRL2 (2.6)
0.07 >=0.20	PSMA5 (5.2)	UBXN4 (4.5)	NUP93 (3.0)
0.07 >=0.20	OASL (12.3)	PARP10 (8.4)	NFE2L3 (2.1)
0.07 >=0.20	ZHX3 (3.4)	PGS1 (2.5)	ENSG00000231204 (2

0.07	>=0.20	RASIP1 (7.6)	DOCK6 (5.1)	BCAM (3.5)
0.07	>=0.20	USP1 (3.7)	MCM6 (2.9)	POC5 (2.8)
0.07	>=0.20	ST3GAL4 (2.1)	COL4A3BP (2.0)	HNF1A (1.9)
0.07	>=0.20	NYNRIN (4.1)	LIPG (2.5)	GDF5 (2.5)
0.07	>=0.20	ENSG00000256731 (2	OBP2B (2.0)	NFE2L3 (1.7)
0.07	>=0.20	OTX1 (5.2)	CYP26A1 (4.6)	EHBP1 (2.5)
0.08	>=0.20	RELB (4.9)	NFE2L3 (4.0)	PARP10 (2.1)
0.08	>=0.20	NCAN (3.6)	EHBP1 (3.5)	OTX1 (3.4)
0.08	>=0.20	GATAD2A (2.4)	BMPR2 (2.2)	KPNB1 (2.1)
0.08	>=0.20	TIMD4 (4.7)	RELB (3.6)	MAFB (3.2)
0.08	>=0.20	DHX38 (2.6)	TOMM40 (2.2)	RELB (2.2)
0.08	>=0.20	NOP58 (4.7)	ZNF259 (4.5)	DARS (3.2)
0.08	>=0.20	MYLIP (4.7)	DOCK6 (4.1)	RASIP1 (2.4)
0.08	>=0.20	NPEPPS (3.4)	PPM1G (2.9)	PSMA5 (2.8)
0.08	>=0.20	GMIP (3.2)	PARP10 (2.8)	GSTM5 (2.7)
0.08	>=0.20	BCAM (3.2)	C11orf9 (2.8)	APOB (2.5)
0.08	>=0.20	DOCK7 (3.1)	BCAM (2.7)	TOMM40 (2.7)
0.08	>=0.20	TM6SF2 (3.9)	GPAM (2.6)	LCT (2.2)
0.08	>=0.20	RP1 (8.7)	GNAT2 (6.4)	APOC1 (3.5)
0.08	>=0.20	GOT2P1 (2.5)	FER1L4 (2.3)	GPAM (1.9)
0.08	>=0.20	NOP58 (4.9)	ZNF259 (3.8)	TOMM40 (2.7)
0.08	>=0.20	NOP58 (5.6)	ZNF259 (4.1)	TOMM40 (3.8)
0.08	>=0.20	NFE2L3 (2.4)	OASL (2.4)	SLC22A3 (2.0)
0.08	>=0.20	RELB (3.2)	PLEC (3.0)	NPEPPS (2.6)
0.08	>=0.20	RELB (3.2)	PLEC (3.0)	NPEPPS (2.6)
0.08	>=0.20	RELB (3.2)	PLEC (3.0)	NPEPPS (2.6)
0.08	>=0.20	RELB (3.2)	PLEC (3.0)	NPEPPS (2.6)
0.08	>=0.20	RELB (3.2)	PLEC (3.0)	NPEPPS (2.6)
0.08	>=0.20	TRIM54 (3.7)	SYPL2 (3.4)	C19orf80 (2.8)
0.08	>=0.20	ENSG00000236267 (3	LPA (3.6)	ABCG8 (3.5)
0.08	>=0.20	HMGCR (9.8)	LDLR (9.4)	FADS2 (8.4)
0.08	>=0.20	ERGIC3 (3.0)	TOMM40 (2.2)	DARS (2.0)
0.08	>=0.20	CYP26A1 (3.2)	ENSG00000244861 (3	GDF5 (2.9)
0.08	>=0.20	GNAI3 (2.3)	KANK2 (2.1)	RAB3GAP1 (2.1)
0.08	>=0.20	CYP26A1 (2.7)	GDF5 (2.6)	CILP2 (2.5)
0.08	>=0.20	TRIB1 (3.6)	GSTM5 (3.5)	MAMSTR (2.8)
0.08	>=0.20	PSMA5 (5.7)	UBXN4 (5.3)	NFE2L3 (3.4)
0.08	>=0.20	ABCA5 (2.2)	ENSG00000235545 (2	TBKBP1 (2.2)
0.08	>=0.20	RASIP1 (3.7)	PVR (2.6)	DOCK6 (2.2)
0.08	>=0.20	CILP2 (6.3)	APOE (3.1)	GDF5 (2.7)
0.08	>=0.20	ABCA1 (2.7)	ST3GAL4 (2.5)	PLEC (2.1)
0.08	>=0.20	ERGIC3 (2.8)	OTX1 (2.5)	CYP26A1 (2.4)
0.08	>=0.20	MAMSTR (4.7)	KANK2 (3.2)	NYNRIN (2.5)
0.08	>=0.20	HNF1A (2.6)	OTX1 (2.0)	GSTM4 (1.7)
0.08	>=0.20	SLC22A2 (4.7)	BCAM (4.6)	NYNRIN (2.5)
0.08	>=0.20	SLC22A3 (3.0)	ENSG00000256731 (2	RELB (2.7)
0.08	>=0.20	GSTM4 (3.1)	FER1L4 (2.3)	DARS (2.3)
0.08	>=0.20	C11orf9 (2.8)	BMPR2 (2.5)	APOE (2.5)
0.08	>=0.20	MAFB (3.9)	TIMD4 (3.1)	ABCA1 (2.9)
0.08	>=0.20	PLEC (4.1)	KANK2 (2.6)	PVRL2 (2.3)

0.08	>=0.20	RELB (3.5)	TIMD4 (2.8)	CETP (2.8)
0.08	>=0.20	ENSG00000228044 (3	ABCA6 (2.9)	LIPG (2.7)
0.08	>=0.20	CILP2 (4.2)	NYNRIN (3.2)	FER1L4 (3.0)
0.08	>=0.20	DNAH11 (2.9)	CILP2 (2.3)	ENSG00000236436 (2
0.08	>=0.20	PLEC (4.2)	KANK2 (2.5)	GMIP (2.3)
0.08	>=0.20	CELSR2 (2.3)	TRIB1 (2.2)	MYLIP (2.0)
0.08	>=0.20	CYP26A1 (5.0)	HNF4A (3.5)	HNF1A (2.0)
0.08	>=0.20	GSTM4 (5.1)	LPIN3 (3.2)	APOC1 (2.5)
0.08	>=0.20	CYP26A1 (3.1)	LIPG (2.7)	APOE (2.6)
0.08	>=0.20	LIPG (2.7)	CETP (2.4)	ENSG00000236267 (2
0.08	>=0.20	SLC22A3 (2.9)	RELB (2.8)	ENSG00000256731 (2
0.08	>=0.20	ANGPTL3 (3.9)	LIPC (3.7)	ENSG00000256731 (3
0.08	>=0.20	ENSG00000236436 (2	APOE (2.5)	IZUMO1 (2.3)
0.08	>=0.20	ABCA6 (3.8)	GSTM5 (2.4)	FUT1 (2.3)
0.08	>=0.20	TRIB1 (6.8)	FGF21 (4.0)	SARS (3.3)
0.08	>=0.20	HNF4A (5.5)	HNF1A (4.4)	C11orf9 (3.6)
0.08	>=0.20	IST1 (3.4)	CLPTM1 (3.1)	YIPF2 (2.9)
0.08	>=0.20	CYP26A1 (4.2)	CILP2 (3.1)	LPAR2 (2.7)
0.08	>=0.20	POC5 (3.5)	USP1 (3.5)	MCM6 (2.8)
0.08	>=0.20	MYLIP (4.5)	SLC44A2 (3.4)	DOCK6 (2.8)
0.08	>=0.20	FER1L4 (3.6)	GOT2P1 (2.6)	FUT2 (2.5)
0.08	>=0.20	HNF4A (4.2)	RP1 (3.7)	SLC22A2 (3.4)
0.08	>=0.20	BMPR2 (2.1)	SLC22A3 (2.0)	CETP (2.0)
0.08	>=0.20	CBLC (4.9)	KRTCAP3 (2.8)	PVRL2 (2.6)
0.08	>=0.20	LPL (3.8)	RASIP1 (2.9)	NFE2L3 (2.3)
0.08	>=0.20	DHODH (3.1)	MAP3K4 (2.9)	ATP13A1 (2.6)
0.08	>=0.20	NOP58 (4.3)	DARS (3.5)	TOMM40 (3.1)
0.08	>=0.20	PLG (4.8)	SLC22A2 (4.6)	SLC22A1 (3.9)
0.08	>=0.20	POLK (3.7)	ENSG00000244861 (2	NFE2L3 (2.4)
0.08	>=0.20	POLK (3.7)	ENSG00000244861 (2	NFE2L3 (2.4)
0.08	>=0.20	ST3GAL4 (3.2)	PGS1 (2.0)	ENSG00000256731 (1
0.08	>=0.20	PSMA5 (5.7)	UBXN4 (4.5)	NFE2L3 (3.0)
0.08	>=0.20	TRIB1 (5.1)	PLEC (3.1)	LDLR (2.8)
0.08	>=0.20	MAFB (4.1)	RELB (3.9)	OASL (2.6)
0.08	>=0.20	APOE (3.8)	C17orf57 (3.5)	ENSG00000256731 (3
0.08	>=0.20	NOP58 (3.7)	USP1 (3.0)	BUD13 (3.0)
0.08	>=0.20	RELB (5.3)	PARP10 (3.6)	OASL (3.5)
0.08	>=0.20	SARS (4.0)	KPNB1 (3.1)	SMARCA4 (3.0)
0.08	>=0.20	LPA (5.1)	APOC4 (4.4)	GPAM (3.4)
0.08	>=0.20	YIPF2 (4.8)	UBXN4 (3.3)	SNX17 (2.9)
0.08	>=0.20	C19orf52 (2.8)	SUGP1 (2.2)	DHX38 (2.1)
0.08	>=0.20	TIMD4 (2.8)	PLCG1 (2.7)	RAB3GAP1 (1.8)
0.08	>=0.20	BMPR2 (2.9)	CYP26A1 (2.4)	USP24 (2.3)
0.08	>=0.20	EHBP1 (3.1)	CYP26A1 (2.6)	ZNF513 (2.3)
0.08	>=0.20	UBXN4 (4.0)	POLK (2.9)	YIPF2 (2.9)
0.08	>=0.20	ENSG00000236436 (3	NOP58 (2.6)	ENSG00000244861 (2
0.08	>=0.20	FUT2 (4.0)	HNF4A (3.0)	ST3GAL4 (2.8)
0.08	>=0.20	MAFB (3.0)	CILP2 (2.8)	CYP26A1 (2.5)
0.08	>=0.20	SLC22A2 (3.7)	PLEC (2.8)	ST3GAL4 (2.1)
0.08	>=0.20	CILP2 (4.2)	CYP26A1 (2.6)	IGF2R (2.3)

0.08	>=0.20	GMIP (3.7)	CEP250 (3.0)	MAFB (2.8)
0.08	>=0.20	NOP58 (4.3)	DARS (3.1)	PPM1G (3.0)
0.08	>=0.20	LPA (5.2)	SLC22A1 (4.7)	APOC4 (4.3)
0.08	>=0.20	ATP13A1 (3.7)	CLPTM1 (3.3)	IGF2R (2.8)
0.08	>=0.20	PSMA5 (5.4)	UBXN4 (4.5)	NUP93 (2.9)
0.08	>=0.20	NYNRIN (2.8)	GSTM4 (2.8)	HNF4A (2.5)
0.08	>=0.20	NFE2L3 (3.8)	CBLC (3.0)	LIPG (2.9)
0.08	>=0.20	CYP26A1 (2.7)	OBP2B (2.6)	BCAM (2.4)
0.08	>=0.20	CILP2 (3.7)	HNF1A (3.0)	NYNRIN (2.6)
0.08	>=0.20	MYLIP (4.2)	DOCK6 (4.2)	RASIP1 (2.9)
0.08	>=0.20	MAP3K4 (3.3)	DHX38 (3.3)	CEP250 (2.6)
0.08	>=0.20	DHODH (4.0)	CEP250 (3.0)	NOP58 (2.8)
0.08	>=0.20	ATP13A1 (3.6)	IFT172 (2.7)	YIPF2 (2.5)
0.08	>=0.20	PLCG1 (3.5)	GMIP (3.4)	ENSG00000226806 (2
0.08	>=0.20	SLC22A2 (7.0)	TM6SF2 (3.1)	PLG (3.0)
0.08	>=0.20	MAMSTR (2.4)	DOCK6 (2.0)	NYNRIN (1.9)
0.08	>=0.20	PGS1 (3.5)	GMIP (2.9)	PARP10 (2.5)
0.08	>=0.20	RASIP1 (3.6)	DOCK6 (3.3)	LPIN3 (2.7)
0.08	>=0.20	DARS (3.5)	ENSG00000244861 (2	DOCK7 (2.4)
0.08	>=0.20	CBLC (3.2)	CARM1 (3.1)	ZHX3 (2.6)
0.08	>=0.20	LPAR2 (3.2)	TSSK6 (2.7)	ATP13A1 (2.4)
0.08	>=0.20	NOP58 (5.2)	ZNF259 (4.7)	TOMM40 (4.2)
0.08	>=0.20	SLC44A2 (4.2)	C17orf57 (2.9)	KRTCAP3 (2.8)
0.09	>=0.20	PSRC1 (3.6)	ZRANB3 (2.8)	POLK (2.4)
0.09	>=0.20	GPR61 (2.4)	MAFB (2.0)	ABO (1.9)
0.09	>=0.20	SPATC1 (3.1)	DNAH11 (3.0)	FER1L4 (2.8)
0.09	>=0.20	LIPC (4.0)	GSTM5 (3.6)	ABCA6 (3.1)
0.09	>=0.20	MYLIP (3.3)	BMPR2 (2.9)	ATXN1L (2.5)
0.09	>=0.20	ENSG00000226645 (3	TRIB1 (3.1)	ZNF513 (2.5)
0.09	>=0.20	ENSG00000244861 (3	NRBP1 (2.7)	MYLIP (2.6)
0.09	>=0.20	RP1 (11.4)	GNAT2 (8.4)	NCAN (2.2)
0.09	>=0.20	ENSG00000228044 (2	PVR (2.1)	MAMSTR (2.1)
0.09	>=0.20	GATAD2A (2.3)	C12orf43 (2.3)	PPM1G (2.1)
0.09	>=0.20	IFT172 (3.3)	NYNRIN (2.6)	CELSR2 (2.6)
0.09	>=0.20	FADS2 (3.4)	FADS1 (3.2)	GPAM (3.0)
0.09	>=0.20	DOCK6 (2.8)	ZNF513 (2.4)	DOCK7 (2.3)
0.09	>=0.20	PVR (3.0)	PSMA5 (2.5)	LIPG (2.3)
0.09	>=0.20	LPL (4.8)	GPAM (4.0)	APOC1 (2.4)
0.09	>=0.20	ABCA1 (3.9)	APOE (3.4)	LPL (3.0)
0.09	>=0.20	MYLIP (2.9)	NCAN (2.7)	ZHX3 (2.3)
0.09	>=0.20	GATAD2A (3.0)	GNAI3 (2.6)	ENSG00000254235 (2
0.09	>=0.20	DARS (3.7)	ENSG00000244861 (2	DOCK7 (2.4)
0.09	>=0.20	FUT2 (3.6)	TIMD4 (3.4)	ENSG00000226622 (2
0.09	>=0.20	LPL (2.5)	KRTCAP3 (2.4)	C19orf80 (1.9)
0.09	>=0.20	CELSR2 (2.6)	ENSG00000236267 (2	BCAM (2.4)
0.09	>=0.20	GSTM4 (2.8)	DHODH (2.4)	MAFB (2.3)
0.09	>=0.20	GSTM5 (3.0)	IGF2R (2.5)	PLCG1 (2.4)
0.09	>=0.20	BMPR2 (2.9)	MAP3K4 (2.8)	LPAL2 (2.7)
0.09	>=0.20	FEN1 (7.4)	MCM6 (7.3)	USP1 (4.6)
0.09	>=0.20	FUT1 (3.1)	RASIP1 (2.6)	DOCK6 (2.5)

0.09	>=0.20	LDLR (3.9)	POLK (3.3)	PCSK9 (2.2)
0.09	>=0.20	SLC22A3 (3.5)	TM6SF2 (2.6)	ENSG00000254235 (2
0.09	>=0.20	POLK (3.1)	OBP2B (2.2)	C17orf57 (2.0)
0.09	>=0.20	YIPF2 (4.9)	ERGIC3 (3.9)	TRAM2 (3.8)
0.09	>=0.20	ENSG00000226806 (2	SLC22A1 (2.3)	FUT2 (2.2)
0.09	>=0.20	ST3GAL4 (2.9)	FUT2 (2.7)	HNF4A (2.7)
0.09	>=0.20	FUT2 (7.2)	FER1L4 (2.7)	FGF21 (2.7)
0.09	>=0.20	TIMD4 (3.5)	APOC1 (2.8)	ANGPTL3 (2.7)
0.09	>=0.20	LPL (2.6)	LPIN3 (2.3)	BCAM (2.3)
0.09	>=0.20	OBP2B (3.9)	CYP26A1 (3.0)	LPAR2 (2.9)
0.09	>=0.20	PSMA5 (5.1)	UBXN4 (4.3)	PARP10 (3.5)
0.09	>=0.20	CYP26A1 (3.3)	OTX1 (3.1)	ST3GAL4 (2.4)
0.09	>=0.20	ATP13A1 (3.3)	SNX17 (2.9)	YIPF2 (2.7)
0.09	>=0.20	SLC22A1 (3.9)	ENSG00000254235 (3	HNF4A (3.6)
0.09	>=0.20	TOMM40 (4.5)	ZNF259 (3.7)	USP24 (3.7)
0.09	>=0.20	CILP2 (3.1)	HNF1A (3.1)	BCAM (2.6)
0.09	>=0.20	HMGCR (10.2)	LDLR (9.4)	FADS2 (8.5)
0.09	>=0.20	USP24 (2.9)	PARP10 (2.8)	MAU2 (2.7)
0.09	>=0.20	FADS2 (10.3)	FADS1 (9.9)	HMGCR (7.2)
0.09	>=0.20	YIPF2 (4.4)	CLPTM1 (3.7)	ATP13A1 (3.7)
0.09	>=0.20	POLK (3.2)	C17orf57 (2.4)	ENSG00000244861 (2
0.09	>=0.20	C11orf9 (4.5)	ENSG00000236436 (3	CYP26A1 (2.4)
0.09	>=0.20	AMPD2 (3.6)	GNAI3 (3.5)	NRBP1 (3.5)
0.09	>=0.20	BMPR2 (4.5)	SUMO1 (3.0)	FUT1 (2.7)
0.09	>=0.20	ATXN1L (2.3)	SUMO1 (2.1)	OASL (2.1)
0.09	>=0.20	MYLIP (4.1)	DOCK6 (3.7)	RASIP1 (2.6)
0.09	>=0.20	LPL (2.5)	ABCA1 (2.5)	TIMD4 (2.4)
0.09	>=0.20	POC5 (3.4)	NUP93 (3.4)	USP1 (3.0)
0.09	>=0.20	CETP (4.4)	TIMD4 (2.8)	ENSG00000226806 (2
0.09	>=0.20	OBP2B (2.7)	ENSG00000226622 (2	LIPG (2.3)
0.09	>=0.20	ENSG00000228044 (2	NFE2L3 (2.1)	ST3GAL4 (1.8)
0.09	>=0.20	ATP13A1 (3.5)	GRINA (3.5)	CLPTM1 (3.2)
0.09	>=0.20	CARM1 (2.7)	MAFB (2.5)	ATXN7L2 (2.5)
0.09	>=0.20	ZNF821 (3.3)	TRIB1 (2.6)	GATAD2A (2.4)
0.09	>=0.20	CILP2 (5.8)	BCAM (2.6)	LPL (2.5)
0.09	>=0.20	SLC22A2 (3.6)	TM6SF2 (3.5)	ABCG8 (3.2)
0.09	>=0.20	HMGCR (6.4)	LDLR (5.1)	FADS2 (4.4)
0.09	>=0.20	HMGCR (7.2)	FADS1 (6.9)	FADS2 (6.1)
0.09	>=0.20	BMPR2 (6.0)	NYNRIN (2.8)	RASIP1 (2.5)
0.09	>=0.20	RELB (4.6)	TRIB1 (2.6)	ABCA6 (2.5)
0.09	>=0.20	ENSG00000254235 (3	TXNL4B (3.2)	PMFBP1 (3.1)
0.09	>=0.20	KPNB1 (2.4)	CARM1 (2.4)	BUD13 (2.2)
0.09	>=0.20	DOCK6 (4.0)	RASIP1 (4.0)	BMPR2 (3.9)
0.09	>=0.20	NOP58 (5.1)	ZNF259 (4.9)	DHX38 (3.2)
0.09	>=0.20	ENSG00000228044 (3	ZNF513 (2.9)	IZUMO1 (2.5)
0.09	>=0.20	TIMD4 (4.8)	ABCA1 (3.6)	APOC1 (3.2)
0.09	>=0.20	FUT1 (3.0)	BCAM (2.9)	CBLC (2.5)
0.09	>=0.20	GPR61 (2.0)	GPAM (2.0)	LPIN3 (1.9)
0.09	>=0.20	CYP26A1 (3.1)	FER1L4 (2.4)	FUT2 (2.3)
0.09	>=0.20	USP1 (2.5)	PSRC1 (2.4)	TRAM2 (2.0)

0.09	>=0.20	NOP58 (4.0)	ZNF259 (3.7)	DHODH (3.6)
0.09	>=0.20	SARS (3.1)	PPM1G (3.0)	NUP93 (2.4)
0.09	>=0.20	TRIB1 (2.7)	SNX17 (2.5)	ZHX3 (2.5)
0.09	>=0.20	CILP2 (8.2)	GDF5 (3.1)	CYP26A1 (3.1)
0.09	>=0.20	PVR (2.7)	NFE2L3 (2.3)	GMIP (2.3)
0.09	>=0.20	GCKR (2.9)	EHBP1 (2.8)	KANK2 (2.7)
0.09	>=0.20	ABCA1 (3.5)	COL4A3BP (3.3)	ABCA5 (2.0)
0.09	>=0.20	SNX17 (3.9)	PPM1G (3.3)	ATP13A1 (3.2)
0.09	>=0.20	CYP26A1 (4.9)	OTX1 (2.6)	NYNRIN (2.0)
0.09	>=0.20	HNF4A (3.2)	FGF21 (3.2)	TXNL4B (2.9)
0.09	>=0.20	NOP58 (5.5)	ZNF259 (4.7)	TOMM40 (4.0)
0.09	>=0.20	TRIM54 (4.8)	BCAM (3.0)	SLC22A3 (2.4)
0.09	>=0.20	PVRL2 (2.2)	IST1 (2.2)	TOP1 (1.9)
0.09	>=0.20	SLC22A2 (7.0)	HAVCR1 (5.5)	TM6SF2 (4.6)
0.09	>=0.20	SARS (4.5)	DARS (3.3)	CLPTM1 (3.1)
0.09	>=0.20	SARS (4.5)	DARS (3.3)	CLPTM1 (3.1)
0.09	>=0.20	RELB (4.2)	PARP10 (4.0)	NFE2L3 (2.5)
0.09	>=0.20	C19orf52 (2.5)	POLK (2.4)	PCSK9 (2.2)
0.09	>=0.20	NOP58 (5.4)	ZNF259 (4.7)	TOMM40 (3.7)
0.09	>=0.20	GMIP (2.9)	DHX38 (2.9)	USP24 (2.8)
0.09	>=0.20	CARM1 (4.1)	MAU2 (3.1)	SMARCA4 (3.1)
0.09	>=0.20	PLEC (3.8)	COL4A3BP (3.2)	ZHX3 (3.2)
0.09	>=0.20	OASL (9.4)	PARP10 (4.2)	RELB (3.7)
0.09	>=0.20	HAVCR1 (2.5)	NCAN (2.5)	KRTCAP3 (2.3)
0.09	>=0.20	HNF1A (3.7)	ERGIC3 (3.6)	IGF2R (2.5)
0.09	>=0.20	ENSG00000231204 (2	USP24 (2.0)	AMIGO1 (1.9)
0.09	>=0.20	PVR (3.5)	TRIB1 (3.3)	ABCA1 (2.5)
0.09	>=0.20	GPAM (3.1)	PLEC (3.0)	COL4A3BP (2.9)
0.09	>=0.20	PARP10 (3.2)	PVR (2.7)	ERGIC3 (2.0)
0.09	>=0.20	YIPF2 (4.6)	ERGIC3 (3.9)	CLPTM1 (3.1)
0.1	>=0.20	MAU2 (2.3)	CARM1 (2.1)	ENSG00000236267 (2
0.1	>=0.20	CEP250 (2.2)	ZHX3 (2.1)	HNF1A (2.1)
0.1	>=0.20	ABCA1 (3.6)	MAFB (3.5)	CETP (3.4)
0.1	>=0.20	PSMA5 (3.6)	UBXN4 (2.8)	NUP93 (2.6)
0.1	>=0.20	FNDC4 (4.9)	ENSG00000226622 (4	FADS1 (3.6)
0.1	>=0.20	ENSG00000228044 (4	AMIGO1 (2.2)	SLC44A2 (2.1)
0.1	>=0.20	CLPTM1 (4.5)	ATP13A1 (4.4)	ERGIC3 (4.0)
0.1	>=0.20	LPA (5.1)	LPAL2 (3.5)	SLC22A1 (3.3)
0.1	>=0.20	PSMA5 (3.2)	TOMM40 (3.0)	GNAI3 (2.8)
0.1	>=0.20	KPNB1 (3.7)	NOP58 (3.5)	SMARCA4 (3.3)
0.1	>=0.20	PSMA5 (5.5)	UBXN4 (4.3)	MCM6 (3.8)
0.1	>=0.20	APOA4 (5.4)	TM6SF2 (4.4)	APOC3 (4.3)
0.1	>=0.20	NOP58 (5.4)	ZNF259 (4.9)	TOMM40 (3.7)
0.1	>=0.20	SYPL2 (5.6)	TRIM54 (5.3)	MAMSTR (4.3)
0.1	>=0.20	TIMD4 (2.7)	CETP (2.4)	PVRL2 (2.2)
0.1	>=0.20	POC5 (3.1)	NUP93 (2.9)	MAP3K4 (2.8)
0.1	>=0.20	KANK2 (3.9)	BMPR2 (3.7)	PVR (2.9)
0.1	>=0.20	PSMA5 (5.1)	UBXN4 (5.0)	SARS (4.0)
0.1	>=0.20	POC5 (3.3)	NUP93 (3.2)	USP1 (3.0)
0.1	>=0.20	HNF1A (3.2)	CETP (2.2)	CBLC (1.9)

0.1	>=0.20	OBP2B (2.9)	ENSG00000254235 (2	PVRL2 (2.2)
0.1	>=0.20	SLC22A3 (4.1)	TM6SF2 (3.8)	GSTM4 (3.3)
0.1	>=0.20	MCM6 (4.0)	FEN1 (3.5)	USP1 (3.3)
0.1	>=0.20	GPAM (4.0)	APOA4 (3.9)	LPL (3.2)
0.1	>=0.20	DARS (3.0)	KPNB1 (2.9)	NPEPPS (2.7)
0.1	>=0.20	UBXN4 (3.5)	SUMO1 (3.4)	PSMA5 (3.1)
0.1	>=0.20	RELB (5.3)	PVR (2.8)	GMIP (2.6)
0.1	>=0.20	NOP58 (5.8)	ZNF259 (5.2)	TOMM40 (3.8)
0.1	>=0.20	PGS1 (2.9)	COL4A3BP (2.5)	IZUMO1 (1.8)
0.1	>=0.20	NUP93 (2.7)	C19orf52 (2.5)	GPAM (2.4)
0.1	>=0.20	PGS1 (3.1)	TIMD4 (2.9)	SLC22A3 (2.6)
0.1	>=0.20	CILP2 (5.7)	MAFB (2.9)	IGF2R (2.6)
0.1	>=0.20	CILP2 (3.9)	OASL (2.9)	SLC22A2 (2.6)
0.1	>=0.20	MYLIP (2.7)	CYP26A1 (2.2)	BMPR2 (2.1)
0.1	>=0.20	SNX17 (4.1)	ATP13A1 (3.2)	PPM1G (3.1)
0.1	>=0.20	HAVCR1 (3.6)	ABCA1 (3.2)	CYP26A1 (2.9)
0.1	>=0.20	RELB (5.9)	CETP (3.5)	GMIP (2.7)
0.1	>=0.20	ST3GAL4 (3.4)	LIPG (2.8)	TRAM2 (2.8)
0.1	>=0.20	RELB (5.5)	PARP10 (4.0)	GMIP (3.5)
0.1	>=0.20	NOP58 (5.0)	ZNF259 (4.0)	DHX38 (3.3)
0.1	>=0.20	TSSK6 (3.4)	OBP2B (3.1)	SPATC1 (2.5)
0.1	>=0.20	KANK2 (3.6)	APOE (3.2)	LPL (2.9)
0.1	>=0.20	ENSG00000182329 (3	RP1 (2.6)	ATP13A1 (2.4)
0.1	>=0.20	TIMD4 (4.2)	LPL (3.3)	ABCA1 (2.8)
0.1	>=0.20	TIMD4 (4.2)	LPL (3.3)	ABCA1 (2.8)
0.1	>=0.20	PARP10 (3.3)	OASL (3.1)	ENSG00000228044 (2
0.1	>=0.20	FADS2 (6.6)	LDLR (5.9)	FADS1 (5.3)
0.1	>=0.20	LPL (5.1)	GPAM (3.5)	ZNF513 (2.8)
0.1	>=0.20	SUGP1 (3.7)	DHODH (3.1)	USP24 (2.9)
0.1	>=0.20	OBP2B (2.8)	CYP26A1 (2.8)	ENSG00000236267 (2
0.1	>=0.20	GRINA (3.7)	UBXN4 (3.6)	RELB (2.9)
0.1	>=0.20	ZNF259 (3.3)	NRBP1 (3.0)	CLPTM1 (2.6)
0.1	>=0.20	RASIP1 (3.4)	ENSG00000226806 (3	PVR (3.0)
0.1	>=0.20	ENSG00000226645 (2	ENSG00000235545 (1	ENSG00000254235 (1
0.1	>=0.20	FUT2 (3.0)	NYNRIN (2.7)	TBKBP1 (2.3)
0.1	>=0.20	KANK2 (3.1)	BMPR2 (3.0)	DHX38 (2.7)
0.1	>=0.20	PGS1 (3.5)	COL4A3BP (2.1)	MAP3K4 (2.0)
0.1	>=0.20	BUD13 (3.5)	MAP3K4 (3.2)	MAU2 (2.7)
0.1	>=0.20	RELB (3.4)	GMIP (3.0)	ABCA6 (2.8)
0.1	>=0.20	ENSG00000226806 (3	POLK (2.5)	ENSG00000236436 (2
0.1	>=0.20	HNF1A (2.8)	FUT2 (2.4)	SLC22A2 (2.2)
0.1	>=0.20	TRIB1 (3.1)	CETP (2.5)	RASIP1 (2.5)
0.1	>=0.20	LPAL2 (4.2)	ABCG8 (3.4)	LPA (2.8)
0.1	>=0.20	GMIP (4.5)	SLC44A2 (2.5)	MAFB (2.5)
0.1	>=0.20	GATAD2A (3.8)	OTX1 (3.5)	DOCK7 (3.0)
0.1	>=0.20	CBLC (4.5)	PVRL2 (4.1)	FUT1 (3.7)
0.1	>=0.20	RP1 (9.3)	GNAT2 (6.3)	CYP26A1 (3.1)
0.1	>=0.20	RP1 (7.3)	GNAT2 (5.3)	ENSG00000244861 (2
0.1	>=0.20	SLC44A2 (2.7)	C17orf57 (2.4)	TRAM2 (2.1)
0.1	>=0.20	PVRL2 (4.3)	BCAM (3.7)	PBX4 (2.5)

0.1	>=0.20	RASIP1 (6.8)	DOCK6 (3.9)	LIPG (3.3)
0.1	>=0.20	GNAI3 (3.6)	GATAD2A (2.6)	KPNB1 (2.6)
0.1	>=0.20	ENSG00000226648 (4	HNF1A (2.7)	GDF5 (2.5)
0.1	>=0.20	NOP58 (3.9)	ZNF259 (2.7)	DHX38 (2.2)
0.1	>=0.20	PBX4 (4.0)	SPATC1 (2.2)	GSTM4 (2.0)
0.1	>=0.20	KRTCAP3 (2.7)	FUT1 (2.7)	ENSG00000236436 (2
0.1	>=0.20	APOC1 (3.6)	APOE (3.3)	LPL (3.2)
0.1	>=0.20	C19orf52 (3.1)	GSTM4 (2.9)	ERGIC3 (2.7)
0.1	>=0.20	TRIB1 (3.5)	LIPG (2.8)	TRAM2 (2.7)
0.1	>=0.20	OASL (12.6)	PARP10 (8.5)	RELB (2.0)
0.1	>=0.20	CILP2 (5.6)	ERGIC3 (2.7)	GDF5 (2.5)
0.1	>=0.20	FADS1 (3.6)	PCSK9 (2.6)	CELSR2 (2.4)
0.1	>=0.20	PSMA5 (5.1)	NUP93 (3.9)	NFE2L3 (3.0)
0.1	>=0.20	KRTCAP3 (3.8)	CBLC (3.7)	BCAM (3.3)
0.1	>=0.20	UBXN4 (4.4)	NOP58 (4.1)	PPM1G (4.0)
0.1	>=0.20	HNF1A (2.1)	SLC22A2 (2.1)	OTX1 (2.1)
0.1	>=0.20	TOMM40 (4.3)	KPNB1 (3.6)	UBXN4 (3.1)
0.1	>=0.20	HP (3.0)	MAFB (2.9)	IZUMO1 (2.6)
0.1	>=0.20	NOP58 (5.6)	ZNF259 (5.1)	TOMM40 (3.6)
0.1	>=0.20	DHODH (4.2)	C12orf43 (3.4)	TXNL4B (2.7)
0.1	>=0.20	CILP2 (7.9)	LPL (2.7)	TRAM2 (2.7)
0.1	>=0.20	CETP (3.7)	OASL (3.0)	GMIP (3.0)
0.1	>=0.20	SUGP1 (3.4)	NUP93 (3.3)	DHX38 (3.1)
0.1	>=0.20	POC5 (3.0)	USP1 (2.9)	BUD13 (2.8)
0.1	>=0.20	POLK (3.4)	GOT2P1 (2.7)	OASL (2.5)
0.1	>=0.20	NOP58 (5.2)	ZNF259 (4.8)	TOMM40 (4.1)
0.1	>=0.20	TRIB1 (3.3)	GPAM (2.7)	LDLR (2.4)
0.1	>=0.20	NOP58 (4.8)	DHX38 (3.4)	NUP93 (3.1)
0.1	>=0.20	ERGIC3 (3.0)	DOCK7 (2.7)	SARS (2.6)
0.1	>=0.20	ABCA6 (2.5)	SLC22A2 (2.0)	FGF21 (1.9)
0.1	>=0.20	GRINA (2.7)	SYPL2 (2.5)	TRIM54 (2.2)
0.1	>=0.20	GSTM4 (4.3)	FADS2 (4.1)	GPAM (3.6)
0.11	>=0.20	PVRL2 (3.5)	HNF4A (3.0)	C11orf9 (2.5)
0.11	>=0.20	USP24 (3.2)	RAB3GAP1 (2.7)	APOE (2.6)
0.11	>=0.20	CBLC (6.1)	KRTCAP3 (4.1)	FUT1 (2.9)
0.11	>=0.20	CLPTM1 (4.2)	GPAM (2.9)	GSTM4 (2.6)
0.11	>=0.20	GATAD2A (2.6)	MYLIP (2.4)	KANK2 (2.4)
0.11	>=0.20	MCM6 (3.6)	DARS (3.0)	UBXN4 (2.8)
0.11	>=0.20	ENSG00000226806 (6	TIMD4 (4.9)	CETP (3.3)
0.11	>=0.20	LDLR (7.7)	HMGCR (7.2)	FADS2 (5.4)
0.11	>=0.20	PSMA5 (5.3)	UBXN4 (4.8)	KPNB1 (3.2)
0.11	>=0.20	ERGIC3 (2.7)	ST3GAL4 (2.7)	TRAM2 (2.6)
0.11	>=0.20	FER1L4 (3.9)	IZUMO1 (2.7)	GOT2P1 (2.5)
0.11	>=0.20	PLEC (3.8)	COL4A3BP (3.0)	ZHX3 (2.8)
0.11	>=0.20	CARM1 (3.8)	LPAR2 (3.1)	GPAM (2.7)
0.11	>=0.20	NOP58 (4.2)	ZNF259 (3.2)	DHX38 (2.4)
0.11	>=0.20	TIMD4 (4.0)	CETP (3.0)	OASL (3.0)
0.11	>=0.20	GSTM4 (2.6)	APOA4 (2.6)	ENSG00000226622 (2
0.11	>=0.20	ATP13A1 (3.2)	PVRL2 (3.1)	CELSR2 (2.5)
0.11	>=0.20	RASIP1 (4.2)	SLC44A2 (3.4)	GMIP (2.9)

0.11	>=0.20	SLC22A2 (3.6)	HAVCR1 (3.5)	HNF4A (2.9)
0.11	>=0.20	ENSG00000226806 (4	GMIP (3.7)	IGF2R (3.0)
0.11	>=0.20	CYP26A1 (3.2)	BMPR2 (2.4)	GDF5 (2.4)
0.11	>=0.20	PARP10 (4.1)	GMIP (3.5)	PGS1 (3.4)
0.11	>=0.20	SLC44A2 (3.3)	BCAM (2.6)	PLEC (2.5)
0.11	>=0.20	ATP13A1 (3.0)	YIPF2 (1.9)	SNX17 (1.9)
0.11	>=0.20	MAFB (3.7)	CETP (3.2)	ABCA1 (3.1)
0.11	>=0.20	NOP58 (5.8)	ZNF259 (5.1)	TOMM40 (3.7)
0.11	>=0.20	ENSG00000226645 (2	NUP93 (2.0)	MYLIP (1.9)
0.11	>=0.20	TOP1 (3.5)	SMARCA4 (3.1)	PPM1G (2.9)
0.11	>=0.20	SLC22A1 (5.2)	LPA (5.1)	ABCG8 (4.5)
0.11	>=0.20	TRAM2 (2.4)	FUT2 (2.4)	KRTCAP3 (2.3)
0.11	>=0.20	NOP58 (5.8)	ZNF259 (5.0)	TOMM40 (3.7)
0.11	>=0.20	GNAI3 (2.2)	KANK2 (2.1)	PMFBP1 (1.9)
0.11	>=0.20	ENSG00000236436 (2	ENSG00000228044 (1	ABCA6 (1.8)
0.11	>=0.20	ENSG00000228044 (2	ENSG00000236267 (2	CETP (2.0)
0.11	>=0.20	ENSG00000226622 (3	ST3GAL4 (3.2)	GOT2P1 (2.6)
0.11	>=0.20	NOP58 (5.9)	ZNF259 (4.5)	TOMM40 (4.0)
0.11	>=0.20	ENSG00000231204 (2	FADS1 (2.0)	APOC1 (1.9)
0.11	>=0.20	RELB (9.9)	C12orf43 (2.6)	NFE2L3 (2.3)
0.11	>=0.20	SNX17 (4.0)	PPM1G (3.3)	ATP13A1 (3.1)
0.11	>=0.20	GDF5 (3.0)	CYP26A1 (2.7)	DNAH11 (2.4)
0.11	>=0.20	NOP58 (4.1)	C12orf43 (2.9)	ZNF259 (2.7)
0.11	>=0.20	RELB (6.0)	GMIP (3.1)	GRINA (1.7)
0.11	>=0.20	PSMA5 (5.9)	UBXN4 (4.6)	NFE2L3 (3.3)
0.11	>=0.20	ENSG00000226622 (2	ENSG00000256731 (2	FGF21 (1.8)
0.11	>=0.20	ERGIC3 (2.7)	TRAM2 (2.6)	ST3GAL4 (2.1)
0.11	>=0.20	PSMA5 (5.3)	UBXN4 (4.5)	PARP10 (3.5)
0.11	>=0.20	PARP10 (3.1)	MAFB (2.9)	PGS1 (2.9)
0.11	>=0.20	SUGP1 (3.2)	DARS (2.6)	ATP13A1 (2.5)
0.11	>=0.20	APOE (2.5)	ZRANB3 (2.4)	FADS2 (2.0)
0.11	>=0.20	C19orf52 (2.8)	NPEPPS (2.7)	ZHX3 (2.7)
0.11	>=0.20	ENSG00000254235 (2	FADS2 (2.2)	TRAM2 (1.9)
0.11	>=0.20	TRAM2 (3.5)	ST3GAL4 (2.8)	YIPF2 (2.8)
0.11	>=0.20	SNX17 (4.0)	ATP13A1 (3.3)	PPM1G (3.2)
0.11	>=0.20	PSRC1 (3.0)	GRINA (2.8)	NUP93 (2.7)
0.11	>=0.20	SNX17 (4.0)	ATP13A1 (3.2)	PPM1G (3.2)
0.11	>=0.20	BCAM (5.4)	PVRL2 (4.5)	CBLC (4.0)
0.11	>=0.20	APOE (2.3)	MAFB (2.3)	ENSG00000182329 (2
0.11	>=0.20	NYNRIN (2.8)	TBKBP1 (2.7)	DOCK6 (2.4)
0.11	>=0.20	HNF1A (3.7)	CETP (2.3)	CBLC (1.7)
0.11	>=0.20	HNF1A (2.8)	OTX1 (2.0)	SLC22A2 (2.0)
0.11	>=0.20	FUT1 (2.1)	HNF4A (2.0)	PVRL2 (1.9)
0.11	>=0.20	OBP2B (3.0)	GDF5 (2.6)	CYP26A1 (2.5)
0.11	>=0.20	BUD13 (2.8)	NUP93 (2.5)	GPR61 (2.2)
0.11	>=0.20	LCT (3.3)	SORT1 (2.9)	NPEPPS (2.5)
0.11	>=0.20	LCT (3.3)	SORT1 (2.9)	NPEPPS (2.5)
0.11	>=0.20	ATP13A1 (3.0)	NOP58 (2.9)	CEP250 (2.6)
0.11	>=0.20	PLCG1 (2.8)	APOC4 (2.7)	PBX4 (2.3)
0.11	>=0.20	CARM1 (3.6)	TRIB1 (3.5)	RELB (3.5)

0.11	>=0.20	ABO (2.9)	PMFBP1 (2.8)	C19orf52 (2.0)
0.11	>=0.20	FEN1 (3.4)	MCM6 (2.8)	USP1 (2.8)
0.11	>=0.20	C11orf9 (2.3)	HNF1A (2.2)	PARP10 (2.0)
0.11	>=0.20	RELB (3.6)	ENSG00000226806 (2	CETP (2.6)
0.11	>=0.20	RASIP1 (5.5)	DOCK6 (3.1)	LIPG (2.8)
0.11	>=0.20	MCM6 (3.9)	FEN1 (3.8)	USP1 (3.1)
0.11	>=0.20	PGS1 (2.2)	RELB (2.2)	CYB561D1 (2.2)
0.11	>=0.20	BCAM (4.9)	SLC22A2 (3.3)	POLK (2.5)
0.11	>=0.20	CILP2 (5.6)	GDF5 (4.3)	CYP26A1 (2.6)
0.11	>=0.20	ZNF259 (4.6)	NOP58 (4.4)	DHODH (3.7)
0.11	>=0.20	MAP3K4 (2.9)	TOP1 (2.8)	TRIB1 (2.1)
0.11	>=0.20	FUT2 (3.6)	ST3GAL4 (3.3)	HNF4A (2.7)
0.11	>=0.20	MAFB (3.3)	FNDC4 (2.5)	FUT2 (2.4)
0.11	>=0.20	IZUMO1 (2.5)	PBX4 (2.4)	TIMD4 (2.1)
0.11	>=0.20	GPAM (3.0)	SYPL2 (2.3)	CYB561D1 (2.3)
0.11	>=0.20	SUMO1 (3.9)	UBXN4 (3.3)	TOMM40 (2.9)
0.11	>=0.20	SLC44A2 (4.2)	KRTCAP3 (3.8)	TRAM2 (2.8)
0.11	>=0.20	LPAR2 (2.5)	IGF2R (2.4)	ZHX3 (2.4)
0.11	>=0.20	NOP58 (4.2)	C12orf43 (2.8)	ZNF259 (2.7)
0.11	>=0.20	IZUMO1 (2.7)	ST3GAL4 (2.2)	PMFBP1 (2.0)
0.11	>=0.20	TIMD4 (2.3)	ENSG00000236267 (2	PVR (2.1)
0.11	>=0.20	PARP10 (2.5)	FER1L4 (2.4)	MAFB (2.3)
0.11	>=0.20	KANK2 (3.6)	MAMSTR (2.4)	BCAM (2.4)
0.11	>=0.20	TIMD4 (4.6)	CETP (3.9)	ABCA1 (3.2)
0.11	>=0.20	FUT2 (3.6)	HNF4A (3.6)	HNF1A (2.7)
0.11	>=0.20	BMPR2 (4.1)	TBKBP1 (3.2)	AMIGO1 (2.8)
0.11	>=0.20	ENSG00000228044 (4	TIMD4 (3.4)	ABCA6 (3.4)
0.11	>=0.20	NPEPPS (3.0)	GATAD2A (2.5)	GMIP (2.5)
0.12	>=0.20	ENSG00000226648 (3	TBKBP1 (2.4)	ENSG00000235545 (2
0.12	>=0.20	BUD13 (3.8)	TSSK6 (2.3)	MYLIP (2.3)
0.12	>=0.20	USP24 (2.9)	MAU2 (2.7)	PARP10 (2.6)
0.12	>=0.20	NFE2L3 (2.1)	ENSG00000254235 (2	GSTM5 (2.0)
0.12	>=0.20	PGS1 (3.1)	COL4A3BP (2.3)	GDF5 (2.1)
0.12	>=0.20	TRAM2 (2.2)	KRTCAP3 (2.1)	FUT2 (2.1)
0.12	>=0.20	OASL (4.6)	CEP250 (3.2)	USP1 (2.6)
0.12	>=0.20	CILP2 (3.5)	RELB (2.5)	CETP (2.4)
0.12	>=0.20	FUT1 (3.0)	NPEPPS (2.6)	GRINA (2.5)
0.12	>=0.20	USP24 (4.0)	KPNB1 (3.3)	PSMA5 (3.1)
0.12	>=0.20	BMPR2 (3.0)	IGF2R (2.4)	GATAD2A (2.3)
0.12	>=0.20	PVRL2 (2.9)	PLEC (2.7)	APOE (2.6)
0.12	>=0.20	GPAM (3.9)	FADS2 (3.8)	FADS1 (3.6)
0.12	>=0.20	SLC44A2 (2.8)	CEP250 (2.7)	PLCG1 (2.5)
0.12	>=0.20	GMIP (3.0)	MAFB (2.4)	SPATC1 (2.1)
0.12	>=0.20	GDF5 (3.3)	KRTCAP3 (2.8)	MYLIP (2.7)
0.12	>=0.20	MYLIP (3.1)	DOCK6 (2.6)	FUT2 (2.6)
0.12	>=0.20	MYLIP (2.6)	GNAI3 (2.6)	NPEPPS (2.5)
0.12	>=0.20	MAU2 (2.8)	PARP10 (2.8)	USP24 (2.8)
0.12	>=0.20	NUP93 (3.5)	BUD13 (3.0)	TOP1 (2.9)
0.12	>=0.20	SPATC1 (3.1)	ENSG00000226648 (2	OBP2B (2.7)
0.12	>=0.20	COL4A3BP (3.3)	SORT1 (2.7)	LPL (2.6)

0.12	>=0.20	RASIP1 (5.0)	DOCK6 (2.9)	SLC22A3 (2.6)
0.12	>=0.20	ENSG00000228044 (3	TIMD4 (3.4)	CETP (2.4)
0.12	>=0.20	GPAM (3.3)	CLPTM1 (2.4)	C19orf80 (2.3)
0.12	>=0.20	SLC44A2 (2.6)	FUT1 (2.5)	SPATC1 (2.2)
0.12	>=0.20	ANGPTL3 (2.5)	GRINA (2.4)	HNF4A (2.3)
0.12	>=0.20	ABCG8 (3.0)	TM6SF2 (2.7)	CYP26A1 (2.4)
0.12	>=0.20	CYP26A1 (4.8)	FUT1 (2.8)	HAVCR1 (2.4)
0.12	>=0.20	CLPTM1 (3.8)	GRINA (3.5)	IST1 (2.9)
0.12	>=0.20	ATP13A1 (3.2)	SNX17 (2.9)	YIPF2 (2.7)
0.12	>=0.20	NOP58 (4.9)	ZNF259 (3.5)	DARS (3.0)
0.12	>=0.20	GSTM4 (2.9)	TM6SF2 (2.8)	ABCG8 (2.7)
0.12	>=0.20	MCM6 (3.7)	PSRC1 (3.2)	FEN1 (3.0)
0.12	>=0.20	ABCA1 (4.3)	APOC1 (4.2)	TIMD4 (3.7)
0.12	>=0.20	BCAM (3.9)	ST3GAL4 (3.2)	PVRL2 (3.0)
0.12	>=0.20	CLPTM1 (3.7)	IGF2R (3.5)	NYNRIN (3.1)
0.12	>=0.20	USP24 (2.8)	MAU2 (2.6)	IGF2R (2.4)
0.12	>=0.20	GMIP (3.6)	CETP (2.9)	GPAM (2.4)
0.12	>=0.20	ZHX3 (2.4)	PCSK9 (2.0)	USP1 (2.0)
0.12	>=0.20	ENSG00000182329 (3	AMIGO1 (3.1)	GSTM5 (2.7)
0.12	>=0.20	CBLC (4.2)	RELB (3.0)	ENSG00000236267 (2
0.12	>=0.20	RASIP1 (5.0)	DOCK6 (4.7)	KANK2 (3.5)
0.12	>=0.20	NOP58 (3.5)	TOP1 (3.3)	DARS (3.0)
0.12	>=0.20	MCM6 (5.3)	PSMA5 (4.9)	FEN1 (4.6)
0.12	>=0.20	MCM6 (5.3)	PSMA5 (4.9)	FEN1 (4.6)
0.12	>=0.20	TRIB1 (4.1)	ZNF821 (2.0)	CARM1 (1.9)
0.12	>=0.20	TRIB1 (4.1)	ZNF821 (2.0)	CARM1 (1.9)
0.12	>=0.20	TM6SF2 (2.4)	C19orf80 (2.2)	LPA (2.2)
0.12	>=0.20	POLK (4.4)	ENSG00000226645 (2	PGS1 (2.6)
0.12	>=0.20	RELB (3.3)	NFE2L3 (2.9)	ENSG00000226806 (2
0.12	>=0.20	RELB (3.1)	ENSG00000226806 (3	ABCA1 (2.5)
0.12	>=0.20	PVR (3.7)	CYP26A1 (2.2)	FUT1 (2.0)
0.12	>=0.20	MAU2 (3.0)	USP24 (2.9)	PARP10 (2.8)
0.12	>=0.20	CYP26A1 (2.9)	ENSG00000235545 (2	LCT (2.2)
0.12	>=0.20	PLEC (4.2)	COL4A3BP (3.1)	C11orf9 (2.9)
0.12	>=0.20	CYP26A1 (3.0)	OTX1 (2.7)	EHBP1 (2.6)
0.12	>=0.20	NOP58 (4.6)	ZNF259 (2.8)	TOP1 (2.0)
0.12	>=0.20	PLEC (3.2)	ZHX3 (3.2)	GPAM (2.8)
0.12	>=0.20	CBLC (6.5)	FUT1 (3.9)	FER1L4 (2.4)
0.12	>=0.20	DARS (3.2)	BUD13 (3.2)	DHX38 (3.1)
0.12	>=0.20	CBLC (5.3)	ATXN1L (3.8)	KRTCAP3 (3.2)
0.12	>=0.20	NYNRIN (3.4)	LPAR2 (3.3)	FNDC4 (2.9)
0.12	>=0.20	NUP93 (3.2)	POC5 (2.9)	KPNB1 (2.9)
0.12	>=0.20	LPIN3 (3.5)	MAMSTR (2.6)	ENSG00000256731 (2
0.12	>=0.20	RELB (4.3)	PLEC (2.3)	NFE2L3 (2.1)
0.12	>=0.20	ZHX3 (2.9)	IGF2R (2.6)	ENSG00000254235 (2
0.12	>=0.20	CYP26A1 (3.4)	GDF5 (2.5)	FER1L4 (2.4)
0.12	>=0.20	LIPG (4.2)	PMFBP1 (2.6)	CELSR2 (2.4)
0.12	>=0.20	SLC22A2 (5.6)	SLC44A2 (3.0)	NCAN (2.7)
0.12	>=0.20	NUP93 (3.1)	BUD13 (3.0)	TOP1 (2.9)
0.12	>=0.20	PLEC (3.6)	ZHX3 (3.1)	COL4A3BP (3.1)

0.12	>=0.20	MYLIP (4.6)	DOCK6 (3.3)	FUT2 (2.8)
0.12	>=0.20	MYLIP (4.6)	DOCK6 (3.3)	FUT2 (2.8)
0.12	>=0.20	SLC44A2 (2.2)	HMGCR (2.2)	CYB561D1 (2.2)
0.12	>=0.20	MAFB (2.9)	FER1L4 (2.5)	APOE (2.5)
0.12	>=0.20	OASL (5.0)	SMARCA4 (3.0)	GATAD2A (2.8)
0.12	>=0.20	CILP2 (5.6)	MAFB (3.3)	GDF5 (2.8)
0.12	>=0.20	BCAM (4.3)	CILP2 (3.5)	PVRL2 (3.0)
0.12	>=0.20	APOC3 (4.0)	APOB (3.5)	LIPC (3.2)
0.12	>=0.20	PGS1 (3.0)	COL4A3BP (2.2)	PVR (2.1)
0.12	>=0.20	GPAM (2.4)	PARP10 (2.4)	NPEPPS (2.3)
0.12	>=0.20	YIPF2 (4.2)	UBXN4 (4.0)	HMGCR (3.6)
0.12	>=0.20	ENSG00000226622 (3	OBP2B (3.7)	ST3GAL4 (2.7)
0.12	>=0.20	LPAL2 (4.3)	ANGPTL3 (3.2)	ABCG8 (3.1)
0.12	>=0.20	ABCA6 (4.8)	ENSG00000235545 (2	ENSG00000228044 (2
0.12	>=0.20	CYP26A1 (2.2)	LIPG (2.2)	BCAM (2.1)
0.12	>=0.20	ANGPTL3 (3.1)	LIPC (3.0)	APOE (2.2)
0.12	>=0.20	RELB (4.2)	CARM1 (3.1)	GRINA (2.5)
0.12	>=0.20	LPL (7.5)	GPAM (3.7)	SORT1 (2.8)
0.12	>=0.20	CYP26A1 (4.6)	NYNRIN (3.0)	ENSG00000244861 (2
0.12	>=0.20	PSMA5 (2.7)	DARS (2.2)	TOMM40 (2.0)
0.12	>=0.20	RASIP1 (4.7)	DOCK6 (4.2)	TBKBP1 (2.3)
0.12	>=0.20	MAMSTR (2.2)	MAFB (2.1)	BCAM (1.8)
0.12	>=0.20	FUT2 (4.8)	APOA4 (4.4)	ABCG5 (2.9)
0.12	>=0.20	TBKBP1 (2.8)	SPATC1 (2.0)	YSK4 (2.0)
0.12	>=0.20	ST3GAL4 (3.2)	CLPTM1 (2.5)	ENSG00000254235 (2
0.12	>=0.20	LPL (2.9)	RASIP1 (2.9)	C19orf80 (2.7)
0.12	>=0.20	TM6SF2 (4.1)	SLC22A2 (3.6)	HAPLN4 (3.3)
0.13	>=0.20	ENSG00000231204 (2	ABO (2.2)	OBP2B (2.1)
0.13	>=0.20	APOA4 (3.5)	OBP2B (2.5)	APOC3 (2.3)
0.13	>=0.20	DHX38 (3.6)	BUD13 (3.4)	SUGP1 (3.3)
0.13	>=0.20	NOP58 (3.9)	ZNF259 (2.9)	TOMM40 (2.8)
0.13	>=0.20	NOP58 (3.9)	ZNF259 (2.9)	TOMM40 (2.8)
0.13	>=0.20	NOP58 (3.9)	ZNF259 (2.9)	TOMM40 (2.8)
0.13	>=0.20	PARP10 (2.8)	MAU2 (2.8)	USP24 (2.8)
0.13	>=0.20	NOP58 (4.2)	ZNF259 (4.1)	TOMM40 (3.7)
0.13	>=0.20	TOMM40 (4.2)	PSMA5 (4.2)	UBXN4 (3.9)
0.13	>=0.20	HP (4.4)	TSSK6 (2.3)	APOC3 (2.2)
0.13	>=0.20	PSMA5 (5.0)	UBXN4 (4.3)	NUP93 (3.6)
0.13	>=0.20	RASIP1 (2.5)	ABCA1 (2.4)	APOC1 (2.4)
0.13	>=0.20	SUGP1 (4.1)	DHX38 (3.9)	BUD13 (3.6)
0.13	>=0.20	GSTM4 (3.8)	GCKR (3.1)	FNDC4 (3.1)
0.13	>=0.20	PSMA5 (6.0)	UBXN4 (4.3)	NFE2L3 (4.2)
0.13	>=0.20	ABO (3.4)	ATXN7L2 (2.8)	ENSG00000231204 (2
0.13	>=0.20	TBKBP1 (3.3)	DOCK6 (3.1)	RASIP1 (3.0)
0.13	>=0.20	CARM1 (3.1)	SMARCA4 (3.1)	PPM1G (2.8)
0.13	>=0.20	BCAM (4.4)	SLC22A2 (4.0)	SLC22A3 (3.8)
0.13	>=0.20	LPA (3.1)	PLG (3.1)	GSTM4 (3.0)
0.13	>=0.20	PSMA5 (6.2)	UBXN4 (4.4)	NFE2L3 (3.8)
0.13	>=0.20	NOP58 (5.6)	ZNF259 (5.0)	TOMM40 (3.9)
0.13	>=0.20	CBLC (5.3)	BCAM (3.8)	DOCK6 (3.1)

0.13	>=0.20	KRTCAP3 (3.9)	LPAR2 (3.7)	NFE2L3 (3.0)
0.13	>=0.20	PGS1 (3.4)	CBLC (3.3)	FUT1 (2.4)
0.13	>=0.20	RAB3GAP1 (2.2)	ABO (2.2)	TRIB1 (2.0)
0.13	>=0.20	PLEC (3.3)	C11orf9 (2.8)	ZHX3 (2.8)
0.13	>=0.20	LDLR (8.6)	FADS1 (7.7)	FADS2 (6.9)
0.13	>=0.20	PPM1G (2.9)	NUP93 (2.7)	TOP1 (2.4)
0.13	>=0.20	PARP10 (2.9)	COL4A3BP (2.8)	OASL (2.8)
0.13	>=0.20	ABCG8 (5.2)	C17orf57 (2.1)	ENSG00000244861 (2
0.13	>=0.20	CARM1 (3.5)	TOMM40 (2.8)	MAU2 (2.4)
0.13	>=0.20	ZHX3 (3.5)	CARM1 (3.3)	PLEC (3.0)
0.13	>=0.20	NCAN (2.9)	SORT1 (2.7)	ABCA1 (2.7)
0.13	>=0.20	ZHX3 (3.4)	GATAD2A (2.9)	ABO (2.3)
0.13	>=0.20	GDF5 (4.4)	ZNF513 (2.4)	CILP2 (2.3)
0.13	>=0.20	RELB (4.4)	TRIB1 (3.8)	OASL (3.4)
0.13	>=0.20	ABO (2.3)	PLCG1 (1.8)	TRIB1 (1.8)
0.13	>=0.20	KRTCAP3 (2.7)	SLC44A2 (2.6)	ENSG00000228044 (2
0.13	>=0.20	LPA (6.6)	SLC22A1 (6.5)	LPAL2 (5.6)
0.13	>=0.20	TOMM40 (3.1)	NOP58 (2.9)	DARS (2.8)
0.13	>=0.20	TIMD4 (6.1)	CETP (5.8)	PBX4 (2.4)
0.13	>=0.20	NPEPPS (2.9)	UBXN4 (2.6)	PLEC (2.5)
0.13	>=0.20	ERGIC3 (4.7)	IGF2R (3.3)	SORT1 (3.0)
0.13	>=0.20	SARS (4.3)	ERGIC3 (2.6)	SNX17 (2.0)
0.13	>=0.20	TOP1 (3.4)	USP1 (3.3)	NUP93 (3.2)
0.13	>=0.20	USP24 (2.8)	MAU2 (2.8)	PARP10 (2.7)
0.13	>=0.20	GMIP (2.4)	CETP (2.3)	RASIP1 (1.9)
0.13	>=0.20	IST1 (5.3)	ATXN1L (3.0)	NUP93 (2.8)
0.13	>=0.20	SARS (2.9)	DARS (2.8)	ZNF259 (2.6)
0.13	>=0.20	ATXN1L (2.7)	OASL (2.2)	ENSG00000231204 (2
0.13	>=0.20	TOMM40 (3.7)	PSMA5 (3.2)	NOP58 (2.8)
0.13	>=0.20	BMPR2 (5.2)	ZNF821 (3.0)	DOCK6 (2.9)
0.13	>=0.20	NOP58 (4.6)	TOP1 (3.7)	GATAD2A (3.5)
0.13	>=0.20	TRIB1 (4.0)	ZNF821 (1.9)	CARM1 (1.8)
0.13	>=0.20	ENSG00000235545 (4	CBLC (2.8)	PVRL2 (2.8)
0.13	>=0.20	KPNB1 (3.8)	ATP13A1 (3.4)	SARS (3.3)
0.13	>=0.20	LPAL2 (2.4)	PCSK9 (2.3)	ENSG00000254235 (2
0.13	>=0.20	SLC44A2 (2.8)	DOCK7 (2.8)	DOCK6 (2.4)
0.13	>=0.20	DNAH11 (3.0)	ENSG00000231204 (2	ENSG00000226648 (2
0.13	>=0.20	GOT2P1 (2.6)	HNF1A (2.6)	GSTM4 (2.5)
0.13	>=0.20	SUGP1 (3.5)	DHX38 (3.3)	NUP93 (2.9)
0.13	>=0.20	FER1L4 (3.9)	IZUMO1 (2.8)	GOT2P1 (2.6)
0.13	>=0.20	HP (4.1)	PVRL2 (3.0)	ANGPTL3 (2.2)
0.13	>=0.20	CILP2 (3.7)	GDF5 (3.4)	BCAM (2.8)
0.13	>=0.20	CILP2 (5.4)	LPL (3.0)	GDF5 (2.7)
0.13	>=0.20	SLC44A2 (2.7)	GRINA (2.3)	IGF2R (2.1)
0.13	>=0.20	PSMA5 (6.3)	UBXN4 (3.8)	NFE2L3 (3.6)
0.13	>=0.20	GPR61 (2.9)	LPAL2 (2.5)	CETP (2.4)
0.13	>=0.20	CLPTM1 (2.9)	GRINA (2.8)	SARS (2.6)
0.13	>=0.20	PARP10 (4.1)	OASL (3.3)	CYB561D1 (2.4)
0.13	>=0.20	PGS1 (2.8)	COL4A3BP (1.8)	IZUMO1 (1.8)
0.13	>=0.20	ZHX3 (3.9)	CARM1 (3.5)	PLEC (3.2)

0.13	>=0.20	SYPL2 (5.2)	MAMSTR (4.7)	TRIM54 (3.3)
0.13	>=0.20	ENSG00000228044 (3	AMIGO1 (2.5)	IFT172 (1.8)
0.13	>=0.20	SARS (4.0)	KPNB1 (2.9)	HMGCR (2.8)
0.13	>=0.20	PARP10 (2.8)	CBLC (2.5)	ENSG00000256731 (2
0.13	>=0.20	CELSR2 (2.6)	CETP (2.4)	OTX1 (2.4)
0.13	>=0.20	ATP13A1 (3.2)	SNX17 (2.9)	IFT172 (2.6)
0.13	>=0.20	ATP13A1 (3.6)	YIPF2 (3.1)	SNX17 (3.1)
0.13	>=0.20	PLEC (3.2)	R3HDM1 (3.0)	C11orf9 (2.8)
0.13	>=0.20	POC5 (3.3)	NUP93 (3.0)	USP1 (2.9)
0.13	>=0.20	CARM1 (3.7)	LPAR2 (3.4)	CBLC (3.2)
0.13	>=0.20	ENSG00000254235 (3	HNF1A (2.5)	GPAM (2.4)
0.13	>=0.20	DHX38 (3.3)	BUD13 (3.1)	NUP93 (2.8)
0.13	>=0.20	GSTM4 (4.8)	ABCG8 (2.8)	PLG (2.6)
0.13	>=0.20	GNAI3 (3.8)	EHBP1 (3.1)	NPEPPS (3.0)
0.13	>=0.20	OASL (4.2)	RELB (3.9)	TRIB1 (3.6)
0.13	>=0.20	PSMA5 (5.9)	UBXN4 (4.0)	NFE2L3 (3.7)
0.13	>=0.20	LCT (2.6)	ENSG00000182329 (2	LPAR2 (2.4)
0.13	>=0.20	GPAM (2.8)	RAB3GAP1 (2.6)	FNDC4 (2.3)
0.14	>=0.20	GATAD2A (3.4)	LPAR2 (2.6)	CBLC (2.5)
0.14	>=0.20	LPL (4.2)	GPAM (3.3)	ABCA6 (2.7)
0.14	>=0.20	OTX1 (4.5)	CYP26A1 (3.2)	NYNRIN (2.6)
0.14	>=0.20	ZHX3 (2.4)	C11orf9 (2.1)	TRAM2 (2.1)
0.14	>=0.20	FUT1 (3.5)	CBLC (2.8)	CYB561D1 (2.2)
0.14	>=0.20	PSMA5 (5.1)	UBXN4 (4.4)	NUP93 (2.9)
0.14	>=0.20	PSMA5 (6.3)	UBXN4 (4.4)	NFE2L3 (3.9)
0.14	>=0.20	USP24 (2.9)	MAU2 (2.8)	IGF2R (2.6)
0.14	>=0.20	OTX1 (3.9)	ABO (3.3)	TSSK6 (2.5)
0.14	>=0.20	CILP2 (4.9)	LPL (3.0)	LIPC (3.0)
0.14	>=0.20	PSMA5 (6.3)	UBXN4 (4.4)	NFE2L3 (3.8)
0.14	>=0.20	PSMA5 (6.3)	UBXN4 (4.4)	NFE2L3 (3.8)
0.14	>=0.20	PSMA5 (6.3)	UBXN4 (4.4)	NFE2L3 (3.8)
0.14	>=0.20	LPA (3.4)	LIPC (2.8)	MAFB (2.7)
0.14	>=0.20	KRTCAP3 (4.1)	LPAL2 (3.4)	ENSG00000236267 (3
0.14	>=0.20	NOP58 (4.8)	ZNF259 (3.9)	DARS (3.6)
0.14	>=0.20	GMIP (3.0)	RASIP1 (2.6)	TIMD4 (2.4)
0.14	>=0.20	NUP93 (3.7)	PSMA5 (3.3)	KPNB1 (3.0)
0.14	>=0.20	TIMD4 (4.4)	LPL (3.5)	ABCA1 (2.7)
0.14	>=0.20	FGF21 (2.9)	ENSG00000226622 (2	SLC22A2 (2.4)
0.14	>=0.20	PLCG1 (2.3)	KANK2 (2.3)	DOCK6 (2.0)
0.14	>=0.20	RASIP1 (6.5)	DOCK6 (3.9)	APOC1 (2.6)
0.14	>=0.20	BCAM (2.9)	RASIP1 (2.8)	CETP (2.4)
0.14	>=0.20	CBLC (5.1)	FUT1 (3.4)	KRTCAP3 (2.7)
0.14	>=0.20	FADS2 (4.7)	FADS1 (4.6)	ENSG00000236267 (3
0.14	>=0.20	R3HDM1 (2.8)	GATAD2A (2.5)	KPNB1 (2.4)
0.14	>=0.20	MYLIP (1.7)	CELSR2 (1.6)	ENSG00000226648 (1
0.14	>=0.20	EHBP1 (3.0)	DOCK7 (2.7)	TIMD4 (2.6)
0.14	>=0.20	DARS (3.5)	DOCK7 (2.6)	ENSG00000244861 (2
0.14	>=0.20	GDF5 (3.6)	CELSR2 (2.5)	CILP2 (2.4)
0.14	>=0.20	TRIM54 (2.8)	CLPTM1 (2.6)	GATAD2A (2.2)
0.14	>=0.20	PSRC1 (3.0)	USP1 (2.2)	BMPR2 (2.2)

0.14	>=0.20	TM6SF2 (3.6)	SARS (3.4)	ABCA5 (3.1)
0.14	>=0.20	AMIGO1 (2.8)	SUMO1 (2.8)	GPR61 (2.3)
0.14	>=0.20	USP24 (3.7)	SLC44A2 (2.5)	PLEC (2.4)
0.14	>=0.20	RP1 (12.7)	GNAT2 (8.2)	APOC1 (2.5)
0.14	>=0.20	RASIP1 (2.5)	FUT1 (2.2)	IZUMO1 (2.2)
0.14	>=0.20	LPL (4.9)	GPAM (4.0)	SORT1 (2.8)
0.14	>=0.20	PLEC (3.8)	ST3GAL4 (2.6)	ATP13A1 (2.4)
0.14	>=0.20	GDF5 (3.2)	CILP2 (2.5)	OTX1 (2.4)
0.14	>=0.20	ENSG00000231204 (2	RP1 (2.8)	FADS2 (2.6)
0.14	>=0.20	SUGP1 (3.6)	UBXN4 (3.5)	NRBP1 (3.4)
0.14	>=0.20	USP24 (3.0)	PARP10 (2.7)	MAU2 (2.6)
0.14	>=0.20	CLPTM1 (4.1)	ERGIC3 (3.6)	YIPF2 (3.3)
0.14	>=0.20	PSMA5 (5.0)	UBXN4 (4.2)	NUP93 (3.2)
0.14	>=0.20	NOP58 (5.4)	ZNF259 (5.2)	TOMM40 (4.0)
0.14	>=0.20	USP24 (2.9)	PARP10 (2.9)	GDF5 (2.6)
0.14	>=0.20	CILP2 (3.4)	CYP26A1 (3.0)	FUT2 (2.6)
0.14	>=0.20	LPAR2 (3.1)	C17orf57 (2.3)	LIPG (2.3)
0.14	>=0.20	FER1L4 (3.1)	FUT2 (2.9)	ENSG00000226648 (2
0.14	>=0.20	GSTM4 (3.6)	FADS2 (2.9)	FADS1 (2.5)
0.14	>=0.20	FNDC4 (2.8)	CILP2 (2.8)	AMIGO1 (2.6)
0.14	>=0.20	GDF5 (3.7)	IST1 (2.2)	NYNRIN (2.2)
0.14	>=0.20	PSMA5 (6.7)	NFE2L3 (4.2)	UBXN4 (3.7)
0.14	>=0.20	PSMA5 (5.2)	UBXN4 (4.0)	NUP93 (3.2)
0.14	>=0.20	GPR61 (2.1)	TIMD4 (2.1)	C17orf57 (1.8)
0.14	>=0.20	RASIP1 (5.4)	DOCK6 (3.9)	CETP (3.5)
0.14	>=0.20	RASIP1 (5.4)	DOCK6 (3.9)	CETP (3.5)
0.14	>=0.20	ENSG00000228044 (3	TIMD4 (2.7)	NFE2L3 (2.1)
0.14	>=0.20	CBLC (6.9)	KRTCAP3 (3.8)	FUT1 (3.1)
0.14	>=0.20	MYLIP (2.9)	BUD13 (2.8)	MAU2 (2.8)
0.14	>=0.20	YIPF2 (3.0)	SUGP1 (3.0)	LPIN3 (2.9)
0.14	>=0.20	ERGIC3 (4.1)	YIPF2 (3.6)	ATP13A1 (3.5)
0.14	>=0.20	PSMA5 (6.1)	UBXN4 (4.1)	NFE2L3 (3.6)
0.14	>=0.20	PSMA5 (6.1)	UBXN4 (4.1)	NFE2L3 (3.6)
0.14	>=0.20	MAFB (3.4)	ABCA1 (2.3)	APOE (2.0)
0.14	>=0.20	GSTM4 (5.2)	FADS1 (4.1)	FADS2 (3.9)
0.14	>=0.20	APOE (2.7)	ATXN1L (2.6)	EHBP1 (2.6)
0.14	>=0.20	DHODH (3.3)	GSTM4 (2.7)	GPAM (2.7)
0.14	>=0.20	PGS1 (4.0)	ENSG00000254235 (2	FUT2 (2.7)
0.14	>=0.20	NUP93 (3.2)	TOP1 (3.2)	PPM1G (3.0)
0.14	>=0.20	MCM6 (5.7)	FEN1 (5.0)	USP1 (4.2)
0.14	>=0.20	ZNF513 (2.9)	IZUMO1 (2.6)	ENSG00000228044 (2
0.14	>=0.20	ABO (3.5)	FUT2 (2.2)	KANK2 (2.1)
0.14	>=0.20	RP1 (11.1)	GNAT2 (7.4)	ENSG00000235545 (2
0.14	>=0.20	RELB (6.8)	TRIB1 (3.8)	OASL (3.0)
0.14	>=0.20	ENSG00000226806 (4	PLCG1 (2.9)	IGF2R (2.7)
0.14	>=0.20	CBLC (4.8)	PLEC (3.2)	DOCK6 (3.0)
0.14	>=0.20	CBLC (3.8)	PLEC (3.4)	ABCA1 (3.2)
0.14	>=0.20	TIMD4 (4.1)	CETP (2.9)	GMIP (2.8)
0.14	>=0.20	C19orf52 (3.0)	TXNL4B (3.0)	BUD13 (2.7)
0.14	>=0.20	FER1L4 (2.8)	GSTM4 (2.6)	GOT2P1 (2.2)

0.14	>=0.20	CETP (3.1)	PSRC1 (2.9)	OASL (2.4)
0.15	>=0.20	OASL (5.9)	PARP10 (5.5)	CYB561D1 (2.6)
0.15	>=0.20	PGS1 (4.5)	RASIP1 (3.1)	POLK (2.4)
0.15	>=0.20	PGS1 (3.6)	COL4A3BP (2.7)	MAP3K4 (1.9)
0.15	>=0.20	C19orf52 (2.9)	DNAH11 (1.9)	PGS1 (1.8)
0.15	>=0.20	HNF1A (3.0)	TRIM54 (2.6)	KANK2 (2.5)
0.15	>=0.20	TOMM40 (4.5)	NRBP1 (4.1)	SNX17 (3.2)
0.15	>=0.20	OASL (3.1)	NPEPPS (2.9)	PARP10 (2.6)
0.15	>=0.20	OASL (3.1)	NPEPPS (2.9)	PARP10 (2.6)
0.15	>=0.20	SYPL2 (5.5)	TRIM54 (4.9)	MAMSTR (4.8)
0.15	>=0.20	BUD13 (2.7)	C19orf52 (2.6)	MAP3K4 (2.2)
0.15	>=0.20	NOP58 (4.5)	ZNF259 (2.8)	DARS (2.8)
0.15	>=0.20	HMGCR (14.2)	LDLR (13.4)	FADS2 (11.5)
0.15	>=0.20	PLG (4.9)	ANGPTL3 (3.8)	APOA5 (3.7)
0.15	>=0.20	TOP1 (3.5)	USP1 (3.4)	IST1 (3.2)
0.15	>=0.20	ENSG00000236436 (3	PVRL2 (2.8)	BCAM (2.7)
0.15	>=0.20	HMGCR (5.3)	LDLR (4.9)	UBXN4 (3.9)
0.15	>=0.20	GRINA (2.7)	OASL (2.6)	PARP10 (2.6)
0.15	>=0.20	PSMA5 (3.3)	ENSG00000244861 (3	DARS (2.8)
0.15	>=0.20	FUT2 (4.2)	NYNRIN (2.6)	GRINA (2.5)
0.15	>=0.20	HNF1A (3.0)	OTX1 (2.0)	ATXN7L2 (1.8)
0.15	>=0.20	OTX1 (4.9)	NCAN (4.1)	FNDC4 (2.7)
0.15	>=0.20	SUMO1 (3.2)	TOMM40 (2.8)	POC5 (2.2)
0.15	>=0.20	C17orf57 (3.7)	LPL (2.6)	ABCA6 (2.6)
0.15	>=0.20	PLG (4.4)	SLC22A2 (3.5)	ANGPTL3 (3.2)
0.15	>=0.20	ZNF513 (2.3)	PVRL2 (2.3)	PLEC (2.1)
0.15	>=0.20	MAP3K4 (2.8)	DHODH (2.5)	LPA (2.2)
0.15	>=0.20	ENSG00000256731 (3	ABO (2.8)	ENSG00000231204 (2
0.15	>=0.20	TRIM54 (5.8)	SYPL2 (4.6)	RASIP1 (2.3)
0.15	>=0.20	PSMA5 (6.4)	UBXN4 (4.4)	NFE2L3 (3.6)
0.15	>=0.20	CYP26A1 (3.6)	GDF5 (2.7)	ENSG00000226648 (2
0.15	>=0.20	GMIP (3.3)	TRIB1 (3.1)	LPL (3.1)
0.15	>=0.20	GRINA (4.2)	CLPTM1 (3.4)	ATP13A1 (3.3)
0.15	>=0.20	SUGP1 (3.5)	DHX38 (2.8)	TOP1 (2.7)
0.15	>=0.20	PSMA5 (6.1)	UBXN4 (3.9)	NFE2L3 (3.8)
0.15	>=0.20	BMPR2 (4.7)	CILP2 (3.4)	CYP26A1 (3.1)
0.15	>=0.20	NCAN (3.6)	C11orf9 (3.2)	PLEC (2.5)
0.15	>=0.20	USP1 (2.6)	C12orf43 (2.6)	MCM6 (2.4)
0.15	>=0.20	ENSG00000244861 (2	GMIP (2.8)	IGF2R (2.5)
0.15	>=0.20	ZRANB3 (4.5)	MCM6 (3.4)	FEN1 (3.3)
0.15	>=0.20	SARS (4.7)	MCM6 (2.4)	NUP93 (2.4)
0.15	>=0.20	TRIB1 (2.4)	ZHX3 (2.3)	ABCA6 (2.2)
0.15	>=0.20	PGS1 (3.9)	COL4A3BP (2.3)	GDF5 (1.9)
0.15	>=0.20	IST1 (2.5)	LPAR2 (2.2)	ST3GAL4 (2.1)
0.15	>=0.20	FADS2 (4.0)	IGF2R (2.9)	FADS1 (2.6)
0.15	>=0.20	TRIM54 (4.2)	BCAM (3.3)	RASIP1 (2.9)
0.15	>=0.20	PVRL2 (2.6)	ABO (2.5)	IST1 (2.5)
0.15	>=0.20	CARM1 (3.2)	GOT2P1 (2.6)	SMARCA4 (2.3)
0.15	>=0.20	TM6SF2 (5.1)	ABCG8 (5.0)	ABCG5 (4.8)
0.15	>=0.20	ABCG8 (2.7)	TM6SF2 (2.7)	CYP26A1 (2.3)

0.15 >=0.20	OASL (4.5)	RELB (2.9)	PARP10 (2.8)
0.15 >=0.20	RELB (4.0)	PGS1 (3.5)	GMIP (3.2)
0.15 >=0.20	GPAM (4.5)	LPL (4.3)	PVR (2.9)
0.15 >=0.20	CARM1 (2.7)	ATP13A1 (2.7)	MAU2 (2.1)
0.15 >=0.20	CARM1 (3.6)	PLEC (3.4)	ZHX3 (2.9)
0.15 >=0.20	RASIP1 (2.4)	EHBP1 (2.2)	DOCK6 (2.0)
0.15 >=0.20	OASL (5.4)	PARP10 (4.9)	PGS1 (2.2)
0.15 >=0.20	ST3GAL4 (3.9)	GSTM5 (2.9)	TSSK6 (2.3)
0.15 >=0.20	SARS (3.7)	SNX17 (3.2)	PPM1G (3.1)
0.15 >=0.20	GPAM (1.9)	CELSR2 (1.8)	C19orf80 (1.8)
0.15 >=0.20	TRIB1 (4.3)	C19orf80 (3.5)	HP (3.0)
0.15 >=0.20	SLC22A2 (3.6)	LIPG (3.3)	SLC22A3 (2.9)
0.15 >=0.20	CILP2 (3.3)	BCAM (2.8)	OBP2B (2.5)
0.15 >=0.20	NFE2L3 (3.9)	OASL (3.8)	TBKBP1 (2.5)
0.15 >=0.20	SLC22A2 (5.7)	APOA4 (4.1)	HNF4A (3.5)
0.15 >=0.20	OTX1 (4.1)	ENSG00000226648 (2	ANGPTL3 (2.7)
0.15 >=0.20	LPL (5.2)	SORT1 (3.1)	SYPL2 (2.4)
0.15 >=0.20	NOP58 (4.9)	ZNF259 (4.5)	TOMM40 (3.5)
0.15 >=0.20	CYP26A1 (3.5)	RASIP1 (2.5)	TBKBP1 (2.1)
0.15 >=0.20	CBLC (4.8)	FUT1 (2.9)	CELSR2 (2.6)
0.15 >=0.20	NUP93 (2.9)	TOP1 (2.8)	NOP58 (2.8)
0.15 >=0.20	SLC22A2 (3.8)	NYNRIN (3.5)	CBLC (2.9)
0.15 >=0.20	ZHX3 (3.1)	R3HDM1 (2.8)	CLPTM1 (2.6)
0.15 >=0.20	CLPTM1 (3.3)	YIPF2 (3.0)	ATP13A1 (3.0)
0.15 >=0.20	LIPG (3.1)	ENSG00000226806 (3	TOP1 (2.5)
0.15 >=0.20	RASIP1 (2.1)	SLC22A3 (2.0)	RELB (2.0)
0.15 >=0.20	HMGCR (13.6)	LDLR (11.5)	FADS1 (10.4)
0.15 >=0.20	ENSG00000226806 (2	CLPTM1 (2.6)	YSK4 (2.2)
0.15 >=0.20	PVRL2 (3.8)	FUT2 (3.6)	BCAM (3.5)
0.15 >=0.20	FADS1 (3.2)	IGF2R (2.9)	PCSK9 (2.9)
0.15 >=0.20	SLC44A2 (3.0)	MYLIP (2.9)	GMIP (2.8)
0.15 >=0.20	CEP250 (3.1)	PBX4 (2.6)	MCM6 (2.2)
0.15 >=0.20	NOP58 (5.5)	ZNF259 (5.2)	TOMM40 (3.9)
0.15 >=0.20	NOP58 (4.3)	C12orf43 (2.7)	ZNF259 (2.6)
0.15 >=0.20	PSMA5 (5.1)	UBXN4 (4.2)	MCM6 (3.8)
0.15 >=0.20	DOCK6 (4.3)	RASIP1 (4.1)	BCAM (2.2)
0.16 >=0.20	RP1 (5.1)	GNAT2 (3.2)	LIPG (2.7)
0.16 >=0.20	GSTM4 (3.6)	C19orf52 (3.3)	YIPF2 (2.6)
0.16 >=0.20	UBXN4 (2.8)	CEP250 (2.6)	KPNB1 (2.5)
0.16 >=0.20	BUD13 (3.2)	C19orf52 (3.1)	BMPR2 (2.6)
0.16 >=0.20	ENSG00000254235 (4	LPA (2.4)	GPAM (2.4)
0.16 >=0.20	ST3GAL4 (4.8)	FUT2 (4.2)	HNF4A (2.1)
0.16 >=0.20	PGS1 (4.3)	GMIP (3.6)	MAFB (3.4)
0.16 >=0.20	GMIP (3.2)	PLEC (2.4)	DOCK7 (2.4)
0.16 >=0.20	EHBP1 (2.5)	CEP250 (2.2)	ABO (1.9)
0.16 >=0.20	HNF1A (3.5)	COL4A3BP (3.3)	HAVCR1 (2.7)
0.16 >=0.20	OASL (3.5)	RELB (3.0)	GRINA (2.5)
0.16 >=0.20	OASL (3.5)	RELB (3.0)	GRINA (2.5)
0.16 >=0.20	TRIM54 (2.7)	RASIP1 (2.3)	TIMD4 (1.9)
0.16 >=0.20	C12orf43 (3.2)	ZNF513 (2.6)	NPEPPS (2.2)

0.16	>=0.20	SLC22A2 (3.7)	CILP2 (2.7)	BCAM (2.2)
0.16	>=0.20	SLC22A2 (6.6)	TM6SF2 (3.8)	PLG (3.6)
0.16	>=0.20	OASL (3.2)	PGS1 (2.8)	PARP10 (2.3)
0.16	>=0.20	PVR (3.7)	SLC44A2 (3.3)	C11orf9 (3.2)
0.16	>=0.20	ABCA1 (3.0)	FEN1 (2.7)	PSRC1 (2.7)
0.16	>=0.20	POC5 (3.4)	NUP93 (3.1)	USP1 (2.8)
0.16	>=0.20	RASIP1 (2.6)	C11orf9 (2.5)	EHBP1 (2.4)
0.16	>=0.20	GMIP (3.4)	GATAD2A (2.6)	SLC44A2 (2.5)
0.16	>=0.20	LPIN3 (2.8)	POLK (1.9)	RASIP1 (1.9)
0.16	>=0.20	HMGCR (3.0)	FADS1 (3.0)	APOE (2.9)
0.16	>=0.20	CBLC (4.2)	KRTCAP3 (3.7)	PVRL2 (3.6)
0.16	>=0.20	CBLC (4.2)	KRTCAP3 (3.7)	PVRL2 (3.6)
0.16	>=0.20	MCM6 (6.5)	FEN1 (5.9)	ZRANB3 (4.0)
0.16	>=0.20	RELB (6.1)	TIMD4 (4.0)	GMIP (3.7)
0.16	>=0.20	TM6SF2 (3.2)	ANGPTL3 (2.6)	ABCG8 (2.5)
0.16	>=0.20	DNAH11 (2.1)	ERGIC3 (2.0)	PGS1 (1.6)
0.16	>=0.20	ENSG00000228044 (2	TRAM2 (2.1)	TBKBP1 (1.8)
0.16	>=0.20	OASL (3.7)	ZNF259 (3.1)	PARP10 (2.8)
0.16	>=0.20	RELB (2.9)	IGF2R (2.9)	IZUMO1 (2.6)
0.16	>=0.20	PSMA5 (5.3)	UBXN4 (4.2)	NFE2L3 (3.5)
0.16	>=0.20	CILP2 (8.1)	GDF5 (5.5)	MAFB (3.3)
0.16	>=0.20	BMPR2 (3.7)	KANK2 (3.0)	ATXN1L (2.0)
0.16	>=0.20	USP24 (2.8)	MAU2 (2.7)	PARP10 (2.7)
0.16	>=0.20	KANK2 (3.3)	GATAD2A (2.8)	GNAI3 (2.6)
0.16	>=0.20	ENSG00000226806 (4	TIMD4 (3.1)	CETP (2.8)
0.16	>=0.20	PLEC (2.8)	GNAI3 (2.4)	NPEPPS (2.3)
0.16	>=0.20	APOA4 (4.6)	LCT (4.5)	TM6SF2 (3.5)
0.16	>=0.20	RASIP1 (2.3)	GSTM4 (2.0)	YSK4 (2.0)
0.16	>=0.20	PSMA5 (6.4)	UBXN4 (4.5)	NFE2L3 (3.8)
0.16	>=0.20	PSMA5 (6.4)	UBXN4 (4.5)	NFE2L3 (3.8)
0.16	>=0.20	TOP1 (4.2)	KPNB1 (3.7)	USP1 (3.0)
0.16	>=0.20	PBX4 (2.6)	PLCG1 (2.1)	GMIP (1.7)
0.16	>=0.20	ZNF259 (4.2)	DARS (4.1)	NOP58 (3.8)
0.16	>=0.20	ENSG00000226622 (6	FNDC4 (3.8)	ST3GAL4 (3.2)
0.16	>=0.20	NUP93 (3.5)	USP1 (3.0)	TOP1 (2.9)
0.16	>=0.20	ABO (3.3)	ENSG00000182329 (3	OBP2B (3.0)
0.16	>=0.20	BCAM (3.1)	NFE2L3 (2.9)	CYP26A1 (2.8)
0.16	>=0.20	BCAM (3.1)	NFE2L3 (2.9)	CYP26A1 (2.8)
0.16	>=0.20	BCAM (3.1)	NFE2L3 (2.9)	CYP26A1 (2.8)
0.16	>=0.20	ST3GAL4 (3.0)	LIPG (2.6)	YIPF2 (2.4)
0.16	>=0.20	MYLIP (2.4)	NRBP1 (2.4)	ENSG00000231204 (2
0.16	>=0.20	LDLR (4.7)	HMGCR (4.1)	ABCA5 (3.2)
0.16	>=0.20	HNF1A (2.3)	PCSK9 (1.7)	OTX1 (1.5)
0.16	>=0.20	PCSK9 (3.9)	LDLR (3.6)	FADS2 (3.2)
0.16	>=0.20	IST1 (3.9)	SUGP1 (3.6)	DHX38 (3.2)
0.16	>=0.20	SPATC1 (3.1)	NYNRIN (2.7)	GMIP (2.6)
0.16	>=0.20	RASIP1 (3.4)	TRIM54 (2.6)	TIMD4 (2.5)
0.16	>=0.20	ENSG00000226622 (3	OBP2B (2.9)	DNAH11 (2.5)
0.16	>=0.20	CBLC (5.2)	IST1 (3.2)	PVRL2 (3.1)
0.16	>=0.20	GNAI3 (3.2)	GMIP (3.1)	AMPD2 (3.0)

0.16 >=0.20	ST3GAL4 (2.7)	PGS1 (2.2)	ZNF513 (2.0)
0.16 >=0.20	PGS1 (2.8)	COL4A3BP (2.1)	IZUMO1 (2.1)
0.16 >=0.20	PARP10 (3.2)	USP24 (2.5)	OBP2B (2.4)
0.16 >=0.20	GRINA (3.7)	UBXN4 (3.4)	RELB (2.7)
0.16 >=0.20	RELB (4.4)	GRINA (3.7)	PLEC (3.2)
0.16 >=0.20	ZHX3 (3.2)	CARM1 (3.1)	R3HDM1 (2.9)
0.16 >=0.20	GSTM4 (3.4)	DHODH (2.8)	GPAM (2.6)
0.16 >=0.20	PLCG1 (3.4)	ENSG00000226806 (3	ABCA1 (3.0)
0.16 >=0.20	DNAH11 (2.5)	GOT2P1 (2.3)	FER1L4 (2.2)
0.16 >=0.20	OASL (13.0)	PARP10 (8.2)	NFE2L3 (3.5)
0.16 >=0.20	TIMD4 (3.3)	APOE (3.2)	GRINA (3.0)
0.16 >=0.20	MAFB (5.2)	TIMD4 (3.8)	ABCA1 (3.4)
0.16 >=0.20	TM6SF2 (5.0)	ABCG5 (4.3)	ABCG8 (4.3)
0.16 >=0.20	NRBP1 (2.5)	NUP93 (2.3)	YSK4 (2.2)
0.16 >=0.20	SMARCA4 (3.4)	TOP1 (3.3)	NUP93 (3.3)
0.16 >=0.20	TM6SF2 (4.6)	SLC22A1 (4.3)	ABCG8 (3.5)
0.16 >=0.20	SNX17 (3.3)	GMIP (2.5)	IZUMO1 (2.4)
0.16 >=0.20	PLCG1 (2.7)	CYP26A1 (2.6)	IGF2R (2.4)
0.16 >=0.20	TOP1 (2.1)	PGS1 (2.0)	HAVCR1 (2.0)
0.16 >=0.20	GSTM5 (3.2)	POLK (3.1)	YSK4 (2.3)
0.16 >=0.20	SARS (3.7)	DHODH (3.0)	LPA (2.5)
0.16 >=0.20	BCAM (4.1)	LIPG (2.8)	PLEC (2.6)
0.16 >=0.20	CYP26A1 (4.2)	RP1 (3.4)	OTX1 (2.7)
0.16 >=0.20	HMGCR (3.6)	FADS2 (3.2)	ATP13A1 (3.2)
0.16 >=0.20	CBLC (4.3)	CELSR2 (3.8)	C17orf57 (2.7)
0.17 >=0.20	ST3GAL4 (2.4)	CEP250 (2.3)	POLK (2.1)
0.17 >=0.20	TSSK6 (2.6)	LPA (2.3)	TM6SF2 (2.2)
0.17 >=0.20	NCAN (4.1)	PVR (3.2)	DOCK7 (2.5)
0.17 >=0.20	ZRANB3 (3.6)	FEN1 (3.3)	CEP250 (2.7)
0.17 >=0.20	SORT1 (2.5)	YIPF2 (2.4)	CLPTM1 (2.4)
0.17 >=0.20	SLC44A2 (4.5)	PLEC (3.2)	GMIP (2.8)
0.17 >=0.20	DHODH (2.7)	TRAM2 (2.2)	C12orf43 (2.0)
0.17 >=0.20	TRAM2 (3.4)	APOE (2.7)	LPL (2.3)
0.17 >=0.20	NOP58 (4.1)	SMARCA4 (3.2)	KPNB1 (2.9)
0.17 >=0.20	CBLC (5.4)	KRTCAP3 (3.7)	FUT1 (3.0)
0.17 >=0.20	RELB (4.6)	TRIB1 (3.3)	SLC22A3 (2.4)
0.17 >=0.20	KRTCAP3 (3.5)	ENSG00000228044 (2	FGF21 (2.2)
0.17 >=0.20	NFE2L3 (3.7)	PLEC (2.9)	PVR (2.5)
0.17 >=0.20	DHODH (2.6)	GPAM (2.5)	GSTM4 (2.3)
0.17 >=0.20	NUP93 (3.5)	PPM1G (3.1)	NOP58 (3.1)
0.17 >=0.20	FEN1 (2.5)	GATAD2A (2.3)	C19orf52 (2.3)
0.17 >=0.20	PGS1 (3.1)	RELB (2.4)	COL4A3BP (2.0)
0.17 >=0.20	GSTM4 (2.6)	C19orf80 (2.5)	LPA (2.5)
0.17 >=0.20	SMARCA4 (4.2)	DOCK7 (2.6)	KPNB1 (2.4)
0.17 >=0.20	FADS1 (5.4)	FADS2 (5.2)	HMGCR (5.0)
0.17 >=0.20	FADS1 (5.4)	FADS2 (5.2)	HMGCR (5.0)
0.17 >=0.20	PSMA5 (6.0)	UBXN4 (4.7)	NFE2L3 (3.6)
0.17 >=0.20	BMPR2 (3.6)	MAMSTR (2.8)	IFT172 (2.7)
0.17 >=0.20	DHX38 (4.6)	SUGP1 (3.2)	SMARCA4 (3.0)
0.17 >=0.20	TRIM54 (3.2)	PVR (3.1)	SYPL2 (2.4)

0.17	>=0.20	PBX4 (2.6)	PLCG1 (2.0)	GMIP (1.7)
0.17	>=0.20	UBXN4 (3.0)	COL4A3BP (2.7)	ABCA5 (2.5)
0.17	>=0.20	NPEPPS (3.0)	MAU2 (3.0)	IGF2R (2.5)
0.17	>=0.20	FADS1 (2.2)	GCKR (1.8)	ABCG5 (1.7)
0.17	>=0.20	ENSG00000244861 (3	GATAD2A (3.0)	SLC44A2 (2.9)
0.17	>=0.20	R3HDM1 (2.4)	MAP3K4 (2.2)	TRIB1 (2.1)
0.17	>=0.20	ZNF259 (2.8)	DARS (2.8)	NOP58 (2.7)
0.17	>=0.20	RELB (6.1)	PARP10 (3.1)	NPEPPS (2.1)
0.17	>=0.20	SMARCA4 (3.5)	CARM1 (3.1)	GMIP (2.9)
0.17	>=0.20	SMARCA4 (4.4)	BUD13 (2.7)	DOCK7 (2.6)
0.17	>=0.20	BCAM (4.4)	PVRL2 (3.8)	OTX1 (2.6)
0.17	>=0.20	SLC22A3 (2.5)	APOE (2.3)	ENSG00000256731 (2
0.17	>=0.20	APOA4 (2.4)	HP (2.1)	LCT (2.0)
0.17	>=0.20	R3HDM1 (3.1)	ZHX3 (2.6)	RAB3GAP1 (2.6)
0.17	>=0.20	SARS (5.2)	FUT1 (2.9)	ATP13A1 (2.9)
0.17	>=0.20	YIPF2 (2.8)	ATP13A1 (1.8)	APOA4 (1.8)
0.17	>=0.20	NOP58 (4.4)	TOMM40 (3.1)	ZNF259 (3.0)
0.17	>=0.20	RP1 (10.7)	GNAT2 (6.2)	GSTM5 (2.9)
0.17	>=0.20	YIPF2 (2.5)	NRBP1 (2.4)	C12orf43 (2.4)
0.17	>=0.20	POC5 (3.6)	KPNB1 (3.6)	NUP93 (3.5)
0.17	>=0.20	PSMA5 (3.0)	KPNB1 (2.8)	DARS (2.7)
0.17	>=0.20	GDF5 (4.0)	CILP2 (3.8)	MAFB (3.0)
0.17	>=0.20	PSMA5 (6.1)	UBXN4 (4.8)	NFE2L3 (3.3)
0.17	>=0.20	KPNB1 (3.7)	TOMM40 (3.3)	SARS (3.1)
0.17	>=0.20	CYB561D1 (2.8)	CLPTM1 (2.6)	PVR (2.3)
0.17	>=0.20	CYP26A1 (4.5)	OTX1 (3.6)	CILP2 (2.6)
0.17	>=0.20	NCAN (4.2)	ENSG00000254235 (2	ENSG00000226648 (2
0.17	>=0.20	HNF1A (2.9)	CETP (2.0)	OTX1 (2.0)
0.17	>=0.20	LDLR (5.3)	FADS2 (5.1)	HMGCR (5.0)
0.17	>=0.20	TOP1 (4.5)	NOP58 (3.1)	DHX38 (3.1)
0.17	>=0.20	OASL (3.3)	IZUMO1 (3.1)	PARP10 (2.5)
0.17	>=0.20	TOP1 (2.5)	GNAI3 (2.4)	PPM1G (2.4)
0.17	>=0.20	PSMA5 (6.4)	UBXN4 (4.0)	NFE2L3 (3.3)
0.17	>=0.20	OASL (12.0)	PARP10 (8.1)	RELB (2.7)
0.17	>=0.20	CYP26A1 (2.5)	TRIB1 (2.5)	ABO (2.4)
0.17	>=0.20	PSMA5 (6.3)	UBXN4 (4.3)	NFE2L3 (3.6)
0.17	>=0.20	CILP2 (5.0)	CYP26A1 (4.5)	GDF5 (2.5)
0.17	>=0.20	ENSG00000228044 (3	AMIGO1 (2.4)	PVR (2.1)
0.17	>=0.20	ATP13A1 (4.1)	ERGIC3 (4.0)	CLPTM1 (3.9)
0.17	>=0.20	GNAI3 (2.9)	PVRL2 (2.6)	LPAR2 (2.3)
0.17	>=0.20	CARM1 (3.2)	MAMSTR (2.4)	SLC22A3 (2.4)
0.17	>=0.20	RELB (2.7)	SPATC1 (2.6)	ENSG00000228044 (2
0.17	>=0.20	GMIP (3.2)	HP (2.3)	TBKBP1 (2.2)
0.17	>=0.20	TOP1 (2.3)	GRINA (1.9)	FUT1 (1.8)
0.17	>=0.20	USP1 (4.3)	DHX38 (3.6)	NUP93 (3.5)
0.17	>=0.20	PVRL2 (3.1)	KANK2 (3.0)	NPEPPS (2.3)
0.17	>=0.20	ZHX3 (3.1)	CILP2 (2.9)	C11orf9 (2.8)
0.17	>=0.20	USP24 (4.2)	DHODH (3.1)	SUGP1 (2.9)
0.17	>=0.20	FUT2 (4.3)	HNF4A (3.1)	HNF1A (2.7)
0.17	>=0.20	PVRL2 (3.8)	RASIP1 (3.5)	BCAM (2.9)

0.17 >=0.20	CILP2 (6.3)	GDF5 (3.2)	NYNRIN (1.8)
0.17 >=0.20	FEN1 (3.8)	USP1 (3.4)	MCM6 (3.2)
0.17 >=0.20	OBP2B (2.6)	CELSR2 (2.0)	SLC22A3 (1.9)
0.17 >=0.20	RASIP1 (6.9)	DOCK6 (4.4)	BMPR2 (3.7)
0.17 >=0.20	KRTCAP3 (3.2)	GDF5 (3.1)	LCT (3.1)
0.17 >=0.20	ZNF513 (2.8)	ABCA1 (2.4)	MAFB (2.2)
0.17 >=0.20	HAPLN4 (2.9)	GPAM (2.7)	LCT (2.4)
0.17 >=0.20	NOP58 (4.0)	SMARCA4 (3.3)	KPNB1 (3.2)
0.17 >=0.20	PSMA5 (6.6)	UBXN4 (4.1)	NFE2L3 (3.9)
0.17 >=0.20	DNAH11 (4.9)	ENSG00000228044 (2	PMFBP1 (1.9)
0.17 >=0.20	RELB (5.2)	GMIP (4.0)	CETP (2.9)
0.17 >=0.20	TRIB1 (3.8)	LDLR (2.8)	GRINA (2.8)
0.17 >=0.20	DHX38 (4.3)	SUGP1 (4.0)	OASL (3.5)
0.18 >=0.20	CBLC (6.7)	KRTCAP3 (4.1)	FUT1 (3.0)
0.18 >=0.20	OBP2B (2.1)	ABO (1.9)	LPIN3 (1.9)
0.18 >=0.20	SNX17 (4.0)	PPM1G (3.2)	ATP13A1 (2.9)
0.18 >=0.20	ZNF259 (2.9)	NOP58 (2.8)	SUGP1 (2.1)
0.18 >=0.20	NOP58 (4.1)	DARS (3.1)	DOCK7 (2.9)
0.18 >=0.20	APOC1 (3.8)	LPL (3.7)	MAFB (3.3)
0.18 >=0.20	PPM1G (3.3)	KPNB1 (3.3)	TOMM40 (3.0)
0.18 >=0.20	NPEPPS (3.2)	ZHX3 (3.0)	ENSG00000254235 (2
0.18 >=0.20	SNX17 (3.1)	ENSG00000244861 (3	KPNB1 (2.9)
0.18 >=0.20	OASL (5.4)	MAFB (3.4)	ABCA1 (3.2)
0.18 >=0.20	MAMSTR (3.2)	GDF5 (2.5)	MYLIP (2.4)
0.18 >=0.20	NYNRIN (3.3)	TRAM2 (2.4)	GDF5 (2.4)
0.18 >=0.20	LPL (3.0)	MAFB (2.5)	APOE (2.4)
0.18 >=0.20	PGS1 (2.4)	AMPD2 (2.2)	TBKBP1 (2.2)
0.18 >=0.20	NRBP1 (4.3)	NUP93 (3.3)	TOMM40 (3.3)
0.18 >=0.20	RELB (6.3)	NFE2L3 (3.2)	GRINA (2.3)
0.18 >=0.20	DOCK6 (2.8)	RASIP1 (2.8)	KANK2 (2.7)
0.18 >=0.20	GOT2P1 (3.5)	FER1L4 (3.3)	IFT172 (2.6)
0.18 >=0.20	ABCA1 (3.4)	NYNRIN (2.7)	BCAM (2.4)
0.18 >=0.20	USP1 (3.1)	DARS (2.8)	TOP1 (2.6)
0.18 >=0.20	ATP13A1 (3.2)	SNX17 (2.9)	MAU2 (2.4)
0.18 >=0.20	ENSG00000228044 (3	HNF1A (2.9)	TSSK6 (2.6)
0.18 >=0.20	FUT2 (4.4)	HNF4A (3.2)	HNF1A (2.6)
0.18 >=0.20	NUP93 (3.0)	MAP3K4 (2.9)	DOCK7 (2.7)
0.18 >=0.20	MAU2 (2.7)	TSSK6 (2.4)	ABCA6 (2.2)
0.18 >=0.20	TRIB1 (3.3)	MAU2 (3.2)	USP24 (3.1)
0.18 >=0.20	SPATC1 (3.3)	ENSG00000226645 (2	CBLC (2.5)
0.18 >=0.20	FUT2 (4.1)	FER1L4 (3.1)	GCKR (2.7)
0.18 >=0.20	SLC44A2 (3.3)	TIMD4 (3.3)	GMIP (2.9)
0.18 >=0.20	GDF5 (3.6)	CBLC (3.3)	KANK2 (3.1)
0.18 >=0.20	DHODH (3.2)	POC5 (2.7)	C12orf43 (2.7)
0.18 >=0.20	ATXN7L2 (2.6)	KANK2 (2.6)	CARM1 (2.4)
0.18 >=0.20	MAU2 (2.4)	TRIB1 (2.3)	ABO (2.2)
0.18 >=0.20	GSTM4 (5.6)	FADS1 (4.2)	FADS2 (3.9)
0.18 >=0.20	TOMM40 (3.4)	GPAM (3.2)	DHODH (2.9)
0.18 >=0.20	C11orf9 (4.4)	ENSG00000236436 (3	CYP26A1 (2.2)
0.18 >=0.20	SLC22A2 (3.6)	ABCG8 (3.4)	TM6SF2 (2.8)

0.18	>=0.20	NPEPPS (3.1)	NRBP1 (2.9)	GRINA (2.5)
0.18	>=0.20	GDF5 (2.7)	ENSG00000228044 (2	ENSG00000254235 (2
0.18	>=0.20	OASL (6.8)	GMIP (3.4)	PARP10 (3.2)
0.18	>=0.20	MAU2 (2.8)	USP24 (2.8)	PARP10 (2.7)
0.18	>=0.20	NUP93 (3.2)	MAP3K4 (3.0)	DOCK7 (2.8)
0.18	>=0.20	FADS2 (8.2)	FADS1 (7.5)	HMGCR (6.8)
0.18	>=0.20	SLC44A2 (3.5)	PARP10 (3.2)	RELB (3.0)
0.18	>=0.20	NPEPPS (3.1)	DOCK7 (2.9)	AMPD2 (2.8)
0.18	>=0.20	TIMD4 (2.5)	ENSG00000228044 (2	CETP (2.1)
0.18	>=0.20	NYNRIN (3.8)	KANK2 (3.3)	PLCG1 (2.4)
0.18	>=0.20	PVRL2 (3.1)	CYP26A1 (2.4)	BCAM (2.4)
0.18	>=0.20	SMARCA4 (3.0)	NUP93 (2.9)	TOP1 (2.9)
0.18	>=0.20	ST3GAL4 (3.0)	ZNF513 (2.2)	PGS1 (2.0)
0.18	>=0.20	NRBP1 (2.5)	NFE2L3 (2.1)	GDF5 (2.1)
0.18	>=0.20	NUP93 (3.3)	NOP58 (3.2)	TOP1 (3.1)
0.18	>=0.20	NUP93 (3.1)	SMARCA4 (2.8)	NOP58 (2.8)
0.18	>=0.20	HNF1A (2.4)	CETP (1.6)	PCSK9 (1.6)
0.18	>=0.20	PSMA5 (5.8)	UBXN4 (3.6)	NFE2L3 (3.4)
0.18	>=0.20	PSMA5 (6.4)	UBXN4 (4.4)	NFE2L3 (3.7)
0.18	>=0.20	CLPTM1 (5.6)	ATP13A1 (4.6)	ERGIC3 (3.9)
0.18	>=0.20	ENSG00000254235 (5	SPATC1 (3.5)	SLC22A1 (3.4)
0.18	>=0.20	ENSG00000254235 (5	SPATC1 (3.5)	SLC22A1 (3.4)
0.18	>=0.20	ENSG00000254235 (5	SPATC1 (3.5)	SLC22A1 (3.4)
0.18	>=0.20	PSMA5 (6.4)	UBXN4 (4.3)	NFE2L3 (3.7)
0.18	>=0.20	C11orf9 (4.4)	ENSG00000236436 (3	CYP26A1 (2.0)
0.18	>=0.20	PSMA5 (6.4)	UBXN4 (4.0)	NFE2L3 (3.3)
0.18	>=0.20	PSMA5 (6.4)	UBXN4 (4.0)	NFE2L3 (3.3)
0.18	>=0.20	RASIP1 (4.7)	DOCK6 (3.4)	TBKBP1 (3.1)
0.18	>=0.20	CBLC (3.0)	RASIP1 (2.5)	FUT1 (2.4)
0.18	>=0.20	OTX1 (2.2)	LPIN3 (2.2)	ABCA1 (2.0)
0.18	>=0.20	RP1 (13.3)	GNAT2 (8.2)	FNDC4 (1.9)
0.18	>=0.20	FEN1 (3.7)	MCM6 (3.5)	CEP250 (3.4)
0.18	>=0.20	CBLC (3.0)	RASIP1 (2.7)	FUT1 (2.4)
0.18	>=0.20	SARS (3.2)	ATP13A1 (2.7)	NUP93 (2.5)
0.18	>=0.20	ENSG00000228044 (2	HNF1A (2.8)	TSSK6 (2.6)
0.18	>=0.20	CYP26A1 (3.6)	OTX1 (3.2)	AMIGO1 (2.2)
0.18	>=0.20	NUP93 (3.3)	TOP1 (3.0)	DHX38 (2.9)
0.18	>=0.20	GPAM (3.2)	FADS2 (3.0)	GSTM4 (3.0)
0.18	>=0.20	OTX1 (2.2)	CELSR2 (2.1)	BCAM (2.1)
0.18	>=0.20	HNF1A (3.1)	OTX1 (1.6)	PCSK9 (1.5)
0.18	>=0.20	CBLC (6.0)	KRTCAP3 (4.2)	FUT1 (3.1)
0.18	>=0.20	FGF21 (2.5)	C12orf43 (2.4)	HAVCR1 (2.0)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)

0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	TOP1 (3.2)	USP1 (2.9)	NUP93 (2.9)
0.18	>=0.20	RELB (3.2)	GOT2P1 (2.7)	SARS (2.6)
0.18	>=0.20	FUT2 (3.9)	HNF4A (3.0)	ST3GAL4 (2.9)
0.18	>=0.20	CBLC (2.7)	C11orf9 (2.2)	CLPTM1 (2.1)
0.18	>=0.20	ENSG00000244861 (3	CLPTM1 (2.7)	DNAH11 (2.7)
0.18	>=0.20	ABCA6 (2.1)	ENSG00000226622 (2	CYB561D1 (2.0)
0.18	>=0.20	OASL (3.6)	RELB (2.7)	CETP (2.6)
0.18	>=0.20	RP1 (5.5)	GNAT2 (3.8)	HP (2.9)
0.18	>=0.20	APOA4 (4.1)	PMFBP1 (3.5)	ABCG5 (2.7)
0.18	>=0.20	TRIB1 (7.0)	POLK (2.4)	FER1L4 (2.0)
0.18	>=0.20	ZHX3 (3.0)	R3HDM1 (2.5)	IGF2R (2.3)
0.18	>=0.20	CETP (4.5)	TIMD4 (2.9)	GMIP (2.5)
0.18	>=0.20	RP1 (5.4)	GNAT2 (3.8)	TSSK6 (2.3)
0.18	>=0.20	TIMD4 (2.1)	GPR61 (2.0)	LPL (1.9)
0.18	>=0.20	BMPR2 (4.5)	LPL (2.5)	MAP3K4 (2.2)
0.18	>=0.20	LCT (4.0)	RELB (3.8)	APOA4 (3.8)
0.18	>=0.20	TOMM40 (3.4)	DHODH (2.2)	NOP58 (2.1)
0.18	>=0.20	FADS1 (5.3)	FADS2 (5.2)	HMGCR (5.0)
0.18	>=0.20	FADS1 (5.3)	FADS2 (5.2)	HMGCR (5.0)
0.18	>=0.20	CYP26A1 (3.2)	IGF2R (2.2)	BCAM (2.1)
0.19	>=0.20	CARM1 (2.6)	MAU2 (2.5)	ATP13A1 (2.5)
0.19	>=0.20	MCM6 (4.4)	ZRANB3 (4.2)	FEN1 (4.0)
0.19	>=0.20	TOP1 (3.4)	DHX38 (3.1)	SMARCA4 (3.0)
0.19	>=0.20	PSMA5 (6.6)	UBXN4 (4.1)	NFE2L3 (3.6)
0.19	>=0.20	PSMA5 (6.6)	UBXN4 (4.1)	NFE2L3 (3.6)
0.19	>=0.20	PSMA5 (6.6)	UBXN4 (4.1)	NFE2L3 (3.6)
0.19	>=0.20	TRIM54 (3.7)	SLC22A3 (3.2)	KANK2 (3.1)
0.19	>=0.20	IZUMO1 (3.4)	HP (2.8)	ENSG00000228044 (2
0.19	>=0.20	ENSG00000228044 (4	HP (2.8)	FGF21 (1.5)
0.19	>=0.20	RELB (4.1)	NFE2L3 (3.5)	GMIP (3.2)
0.19	>=0.20	SUGP1 (4.5)	DHX38 (4.5)	TOP1 (3.5)
0.19	>=0.20	ATP13A1 (4.7)	TOMM40 (2.3)	PPM1G (2.1)
0.19	>=0.20	CBLC (4.9)	CELSR2 (3.5)	FUT1 (2.8)
0.19	>=0.20	RELB (4.7)	MAFB (3.1)	ABCA1 (3.0)
0.19	>=0.20	ATXN7L2 (2.9)	CARM1 (2.6)	GSTM5 (2.4)
0.19	>=0.20	PSMA5 (4.4)	TOMM40 (4.1)	KPNB1 (3.9)
0.19	>=0.20	ERGIC3 (4.5)	ATP13A1 (2.8)	SORT1 (1.9)
0.19	>=0.20	NOP58 (4.2)	AMPD2 (2.6)	ZNF259 (2.5)
0.19	>=0.20	NOP58 (4.2)	AMPD2 (2.6)	ZNF259 (2.5)
0.19	>=0.20	ATP13A1 (4.3)	LDLR (3.8)	YIPF2 (3.7)
0.19	>=0.20	PMFBP1 (2.2)	OBP2B (2.1)	LDLR (2.1)
0.19	>=0.20	TOP1 (3.3)	SMARCA4 (3.3)	PLEC (2.9)
0.19	>=0.20	R3HDM1 (3.7)	SARS (3.1)	DARS (2.7)
0.19	>=0.20	GPR61 (2.5)	CETP (2.2)	LIPG (2.0)
0.19	>=0.20	PSMA5 (6.5)	UBXN4 (4.2)	NFE2L3 (3.6)

0.19 >=0.20	OTX1 (3.8)	KRTCAP3 (2.3)	RAB3GAP1 (2.1)
0.19 >=0.20	NYNRIN (3.3)	GDF5 (2.2)	TBKBP1 (2.1)
0.19 >=0.20	USP1 (3.2)	MCM6 (3.0)	FEN1 (2.6)
0.19 >=0.20	PLCG1 (3.0)	NPEPPS (2.8)	NRBP1 (2.4)
0.19 >=0.20	TOP1 (3.2)	DHX38 (3.2)	SMARCA4 (3.1)
0.19 >=0.20	YIPF2 (4.8)	ERGIC3 (4.6)	TRAM2 (3.1)
0.19 >=0.20	ANGPTL3 (4.4)	PLG (3.5)	DHODH (3.3)
0.19 >=0.20	BMPR2 (2.6)	GSTM5 (2.2)	CELSR2 (2.1)
0.19 >=0.20	FEN1 (2.3)	PPM1G (2.2)	TOP1 (2.2)
0.19 >=0.20	ZHX3 (2.3)	GDF5 (2.2)	PVR (2.0)
0.19 >=0.20	TRIB1 (4.5)	MAFB (2.5)	PARP10 (2.1)
0.19 >=0.20	POLK (2.6)	C19orf52 (2.4)	ST3GAL4 (2.1)
0.19 >=0.20	ST3GAL4 (2.4)	TRIM54 (2.3)	LIPG (2.1)
0.19 >=0.20	PSMA5 (6.1)	UBXN4 (4.8)	NFE2L3 (3.7)
0.19 >=0.20	CYP26A1 (3.1)	ENSG00000254235 (2	BCAM (2.6)
0.19 >=0.20	DHX38 (2.3)	BUD13 (1.8)	RAB3GAP1 (1.8)
0.19 >=0.20	SUMO1 (3.2)	NOP58 (2.6)	PMFBP1 (2.3)
0.19 >=0.20	HAVCR1 (4.3)	ATP13A1 (2.8)	SYPL2 (2.6)
0.19 >=0.20	PSMA5 (6.3)	UBXN4 (4.4)	NFE2L3 (3.4)
0.19 >=0.20	POLK (2.9)	ENSG00000226806 (2	PGS1 (2.0)
0.19 >=0.20	IZUMO1 (3.2)	ENSG00000228044 (2	LDLR (2.7)
0.19 >=0.20	TRIB1 (2.4)	PVR (2.3)	C11orf9 (2.3)
0.19 >=0.20	FEN1 (5.0)	MCM6 (4.4)	USP1 (4.0)
0.19 >=0.20	TXNL4B (3.4)	MAU2 (3.2)	TOP1 (2.5)
0.19 >=0.20	CILP2 (2.7)	NCAN (2.1)	GDF5 (2.1)
0.19 >=0.20	NYNRIN (2.2)	IFT172 (2.1)	LPL (2.0)
0.19 >=0.20	CARM1 (3.6)	SMARCA4 (3.5)	NYNRIN (2.8)
0.19 >=0.20	RELB (5.0)	TRIB1 (3.4)	BUD13 (2.6)
0.19 >=0.20	RP1 (12.9)	GNAT2 (7.8)	ENSG00000226622 (2
0.19 >=0.20	NOP58 (5.0)	ZNF259 (3.2)	TOMM40 (2.9)
0.19 >=0.20	PGS1 (2.8)	COL4A3BP (2.4)	IZUMO1 (1.9)
0.19 >=0.20	NRBP1 (3.1)	ZHX3 (2.2)	PARP10 (2.2)
0.19 >=0.20	ENSG00000226622 (4	OBP2B (3.1)	LPAR2 (2.7)
0.19 >=0.20	BCAM (6.1)	PVRL2 (4.7)	CBLC (4.5)
0.19 >=0.20	TRIB1 (7.7)	TSSK6 (2.4)	PVR (2.3)
0.19 >=0.20	GMIP (5.2)	MAFB (2.8)	SLC44A2 (2.6)
0.19 >=0.20	DOCK6 (2.5)	ST3GAL4 (2.2)	DNAH11 (2.2)
0.19 >=0.20	TM6SF2 (3.2)	ABCG8 (3.1)	SARS (3.0)
0.19 >=0.20	NUP93 (3.1)	DHX38 (3.0)	IST1 (2.9)
0.19 >=0.20	OASL (7.2)	PARP10 (4.5)	NFE2L3 (3.8)
0.19 >=0.20	GMIP (2.3)	PARP10 (2.2)	DOCK7 (2.0)
0.19 >=0.20	CYP26A1 (3.6)	NYNRIN (3.1)	FER1L4 (2.5)
0.19 >=0.20	EHBP1 (4.0)	IFT172 (3.5)	PPM1G (2.7)
0.19 >=0.20	PGS1 (2.8)	IZUMO1 (2.0)	COL4A3BP (2.0)
0.19 >=0.20	KRTCAP3 (3.7)	ZRANB3 (2.3)	NYNRIN (2.0)
0.19 >=0.20	CILP2 (3.8)	EHBP1 (3.1)	TRAM2 (2.6)
0.19 >=0.20	RELB (4.2)	KANK2 (2.4)	MAU2 (1.9)
0.19 >=0.20	PSMA5 (6.1)	UBXN4 (4.0)	NFE2L3 (3.7)
0.19 >=0.20	ZNF821 (3.3)	SMARCA4 (3.3)	TOP1 (2.6)
0.19 >=0.20	RP1 (2.8)	CYP26A1 (2.8)	HMGCR (2.5)

0.19	>=0.20	RP1 (11.1)	GNAT2 (6.6)	GSTM5 (2.6)
0.19	>=0.20	TRAM2 (3.1)	KANK2 (3.1)	DOCK6 (3.0)
0.2	>=0.20	CARM1 (4.2)	SMARCA4 (3.4)	DOCK7 (2.7)
0.2	>=0.20	DHX38 (3.7)	NUP93 (2.7)	SUGP1 (2.3)
0.2	>=0.20	USP24 (4.0)	SUGP1 (3.5)	DHX38 (2.7)
0.2	>=0.20	PGS1 (3.3)	COL4A3BP (2.2)	ENSG00000244861 (1
0.2	>=0.20	BMPR2 (6.0)	PVR (2.5)	LIPG (2.5)
0.2	>=0.20	CETP (4.2)	GSTM5 (3.2)	TIMD4 (3.0)
0.2	>=0.20	TRIB1 (3.0)	MAFB (2.8)	PGS1 (2.8)
0.2	>=0.20	LPIN3 (2.9)	PVRL2 (2.7)	SLC22A3 (2.6)
0.2	>=0.20	PVRL2 (3.4)	DOCK7 (3.3)	KRTCAP3 (3.1)
0.2	>=0.20	NUP93 (3.9)	KPNB1 (3.9)	PSMA5 (3.4)
0.2	>=0.20	HP (5.3)	TRIB1 (4.3)	ABCG8 (4.0)
0.2	>=0.20	IST1 (3.7)	TXNL4B (3.5)	ATXN1L (3.5)
0.2	>=0.20	TRIB1 (6.3)	PGS1 (2.8)	MAFB (2.1)
0.2	>=0.20	C19orf52 (2.9)	USP24 (2.6)	SUMO1 (2.1)
0.2	>=0.20	RASIP1 (5.7)	BMPR2 (3.0)	LIPG (2.4)
0.2	>=0.20	C19orf52 (2.4)	PARP10 (2.4)	OASL (2.2)
0.2	>=0.20	BCAM (3.7)	LDLR (3.4)	SLC22A3 (3.4)
0.2	>=0.20	OTX1 (3.0)	CYP26A1 (2.7)	DOCK7 (2.7)
0.2	>=0.20	MAMSTR (2.9)	NYNRIN (2.5)	CYP26A1 (2.2)
0.2	>=0.20	TRIM54 (3.6)	SYPL2 (3.4)	BMPR2 (3.1)
0.2	>=0.20	RASIP1 (3.3)	PVRL2 (3.1)	CETP (2.7)
0.2	>=0.20	SUGP1 (3.6)	DHODH (3.6)	C12orf43 (3.1)
0.2	>=0.20	SUGP1 (4.6)	DHX38 (4.4)	BUD13 (3.2)
0.2	>=0.20	MAFB (3.2)	APOC1 (2.8)	FUT2 (2.8)
0.2	>=0.20	NUP93 (3.4)	NOP58 (3.3)	SMARCA4 (3.2)
0.2	>=0.20	PARP10 (2.7)	GRINA (2.6)	OASL (2.6)
0.2	>=0.20	PLEC (4.4)	KANK2 (2.9)	PVR (2.8)
0.2	>=0.20	RP1 (11.2)	GNAT2 (7.6)	ENSG00000235545 (2
0.2	>=0.20	NUP93 (3.0)	MAP3K4 (2.8)	POC5 (2.8)
0.2	>=0.20	TRIM54 (3.8)	SYPL2 (2.7)	IGF2R (2.3)
0.2	>=0.20	CYP26A1 (3.7)	OTX1 (2.6)	PVR (2.5)
0.2	>=0.20	PARP10 (6.2)	OASL (4.1)	GRINA (2.7)
0.2	>=0.20	NOP58 (4.2)	ZNF259 (3.1)	ATP13A1 (3.0)
0.2	>=0.20	RELB (4.2)	GMIP (2.7)	NFE2L3 (2.3)
0.2	>=0.20	TOMM40 (2.4)	TRIB1 (2.0)	TBKBP1 (1.9)
0.2	>=0.20	DOCK7 (3.0)	GMIP (2.9)	USP24 (2.4)
0.2	>=0.20	FUT2 (4.0)	HNF4A (3.2)	CBLC (2.4)
0.2	>=0.20	NUP93 (2.8)	MAP3K4 (2.7)	DOCK7 (2.7)
0.2	>=0.20	FUT2 (2.3)	CYP26A1 (2.3)	DOCK6 (2.2)
0.2	>=0.20	MAU2 (3.7)	LPAR2 (2.6)	CARM1 (2.4)
0.2	>=0.20	RELB (4.4)	GMIP (3.0)	TRIB1 (2.7)
0.2	>=0.20	PSMA5 (5.5)	UBXN4 (4.0)	TOMM40 (3.0)
0.2	>=0.20	ABCA5 (2.4)	TOMM40 (2.1)	KANK2 (2.1)
0.2	>=0.20	COL4A3BP (3.0)	ZHX3 (2.5)	SLC44A2 (2.5)
0.2	>=0.20	NOP58 (4.9)	ZNF259 (4.8)	TOMM40 (4.1)
0.2	>=0.20	GPR61 (2.4)	ENSG00000228044 (2	TIMD4 (1.9)
0.2	>=0.20	RAB3GAP1 (3.0)	NFE2L3 (2.3)	UBXN4 (2.2)
0.2	>=0.20	PSMA5 (5.2)	UBXN4 (4.0)	NFE2L3 (3.2)

0.2	>=0.20	CBLC (3.7)	RASIP1 (2.6)	BCAM (2.0)
0.2	>=0.20	RELB (3.4)	IGF2R (3.0)	GMIP (2.4)
0.2	>=0.20	RASIP1 (4.5)	DOCK6 (3.4)	CEP250 (2.8)
0.2	>=0.20	BMPR2 (4.3)	KANK2 (2.2)	GATAD2A (2.1)
0.2	>=0.20	TRAM2 (2.4)	ENSG00000226648 (2	LPAR2 (2.1)
0.2	>=0.20	DOCK7 (3.0)	CEP250 (2.9)	ATXN7L2 (2.0)
0.2	>=0.20	R3HDM1 (2.5)	TRIB1 (2.2)	LDLR (2.1)
0.2	>=0.20	LCT (2.7)	APOA4 (2.7)	APOC3 (2.3)
0.2	>=0.20	MCM6 (3.5)	FEN1 (3.5)	USP1 (3.3)
0.2	>=0.20	SLC44A2 (3.0)	GMIP (2.6)	MYLIP (2.5)
0.2	>=0.20	ANGPTL3 (3.4)	SLC22A1 (3.3)	PLG (3.1)
0.2	>=0.20	TRIB1 (2.1)	ENSG00000236267 (1	ENSG00000254235 (1
0.2	>=0.20	SLC22A1 (2.9)	SLC22A2 (2.6)	GCKR (2.3)
0.2	>=0.20	PSMA5 (6.3)	UBXN4 (4.2)	NFE2L3 (3.4)
0.2	>=0.20	OASL (10.1)	PARP10 (5.7)	RELB (4.4)
0.2	>=0.20	GDF5 (2.7)	MAFB (2.1)	PLCG1 (2.0)
0.2	>=0.20	RELB (8.1)	GRINA (4.0)	GMIP (3.0)
0.2	>=0.20	MAFB (4.0)	PMFBP1 (2.2)	ABCA1 (2.1)
0.2	>=0.20	ATP13A1 (3.5)	SNX17 (2.1)	ENSG00000244861 (2
0.2	>=0.20	ENSG00000256731 (3	TRAM2 (3.1)	SLC22A3 (2.6)
0.2	>=0.20	FADS2 (4.1)	FADS1 (4.1)	PCSK9 (3.9)
0.2	>=0.20	FADS2 (4.1)	FADS1 (4.1)	PCSK9 (3.9)
0.2	>=0.20	TRIM54 (4.4)	SYPL2 (3.4)	FUT2 (2.2)
0.2	>=0.20	GNAT2 (5.8)	RP1 (5.8)	GDF5 (2.4)
0.21	>=0.20	PGS1 (2.9)	COL4A3BP (2.2)	IZUMO1 (1.9)
0.21	>=0.20	PGS1 (2.9)	COL4A3BP (2.2)	IZUMO1 (1.9)
0.21	>=0.20	PSMA5 (3.9)	PLCG1 (2.8)	HAVCR1 (2.7)
0.21	>=0.20	ENSG00000228044 (3	PSRC1 (3.0)	PGS1 (2.2)
0.21	>=0.20	NYNRIN (3.1)	TRIB1 (2.4)	MAMSTR (2.2)
0.21	>=0.20	ERGIC3 (3.8)	CLPTM1 (3.5)	APOE (2.9)
0.21	>=0.20	ERGIC3 (3.8)	CLPTM1 (3.5)	APOE (2.9)
0.21	>=0.20	TOP1 (3.1)	NUP93 (3.1)	DHX38 (2.9)
0.21	>=0.20	DHX38 (4.5)	SMARCA4 (3.9)	SUGP1 (3.9)
0.21	>=0.20	PGS1 (2.8)	COL4A3BP (2.4)	MAP3K4 (2.1)
0.21	>=0.20	LDLR (2.6)	HMGCR (2.6)	FADS2 (2.4)
0.21	>=0.20	CYP26A1 (5.6)	ZNF821 (3.1)	APOE (2.4)
0.21	>=0.20	BUD13 (2.7)	NYNRIN (2.6)	ZNF821 (2.6)
0.21	>=0.20	TRIB1 (6.4)	LDLR (2.3)	NRBP1 (1.9)
0.21	>=0.20	MAFB (3.8)	ABCA6 (2.7)	GMIP (2.6)
0.21	>=0.20	OASL (9.3)	PARP10 (6.4)	NFE2L3 (3.1)
0.21	>=0.20	DARS (3.8)	UBXN4 (3.1)	NPEPPS (2.9)
0.21	>=0.20	MAFB (2.9)	NFE2L3 (2.8)	ABCA1 (2.8)
0.21	>=0.20	HNF1A (2.9)	CBLC (2.4)	ATXN7L2 (1.7)
0.21	>=0.20	PGS1 (3.4)	COL4A3BP (2.2)	MAP3K4 (1.8)
0.21	>=0.20	PBX4 (3.3)	ABCA6 (2.8)	COL4A3BP (2.4)
0.21	>=0.20	OASL (5.7)	RELB (3.9)	PARP10 (3.2)
0.21	>=0.20	CYP26A1 (3.1)	IGF2R (2.9)	PLCG1 (2.5)
0.21	>=0.20	HNF1A (2.5)	SLC22A2 (1.8)	CETP (1.8)
0.21	>=0.20	TOP1 (2.6)	TRIB1 (2.6)	ABCG8 (2.6)
0.21	>=0.20	BUD13 (2.5)	GSTM4 (2.3)	PSMA5 (1.9)

0.21 >=0.20	GSTM4 (3.2)	PSMA5 (3.0)	APOC4 (2.1)
0.21 >=0.20	TRIB1 (2.8)	GMIP (2.7)	OASL (2.5)
0.21 >=0.20	SYPL2 (3.3)	ENSG00000235545 (2	SORT1 (2.4)
0.21 >=0.20	PSMA5 (3.3)	UBXN4 (3.1)	TOMM40 (3.1)
0.21 >=0.20	DHX38 (3.9)	ATP13A1 (3.5)	IFT172 (3.2)
0.21 >=0.20	PSMA5 (6.1)	UBXN4 (4.2)	NFE2L3 (3.3)
0.21 >=0.20	MAFB (4.5)	ABCA1 (3.3)	ENSG00000236267 (2
0.21 >=0.20	GMIP (3.0)	RAB3GAP1 (2.4)	AMPD2 (2.2)
0.21 >=0.20	PSMA5 (6.0)	UBXN4 (4.8)	NFE2L3 (3.5)
0.21 >=0.20	DHODH (3.7)	TOMM40 (3.2)	SARS (2.8)
0.21 >=0.20	SMARCA4 (3.3)	DARS (3.3)	DHX38 (3.1)
0.21 >=0.20	PLEC (3.2)	KPNB1 (3.1)	CLPTM1 (2.9)
0.21 >=0.20	PLEC (3.2)	KPNB1 (3.1)	CLPTM1 (2.9)
0.21 >=0.20	PLEC (3.2)	KPNB1 (3.1)	CLPTM1 (2.9)
0.21 >=0.20	CETP (3.5)	SLC22A3 (3.2)	TIMD4 (3.1)
0.21 >=0.20	CBLC (6.5)	KRTCAP3 (4.0)	FUT1 (2.8)
0.21 >=0.20	CILP2 (4.6)	CYP26A1 (4.3)	GDF5 (2.9)
0.21 >=0.20	YIPF2 (3.3)	CARM1 (3.1)	BUD13 (2.6)
0.21 >=0.20	OTX1 (2.4)	LPL (2.1)	SLC22A2 (2.1)
0.21 >=0.20	ENSG00000226622 (4	OBP2B (3.5)	GSTM5 (2.5)
0.21 >=0.20	CYP26A1 (3.4)	NYNRIN (3.2)	EHBP1 (3.0)
0.21 >=0.20	OASL (4.2)	PARP10 (2.1)	NFE2L3 (2.0)
0.21 >=0.20	GMIP (2.9)	USP24 (2.7)	TBKBP1 (2.0)
0.21 >=0.20	OBP2B (2.8)	ENSG00000231204 (1	GPR61 (1.7)
0.21 >=0.20	TRIM54 (3.1)	RASIP1 (3.0)	MAFB (2.4)
0.21 >=0.20	TOP1 (3.3)	DHX38 (3.2)	NUP93 (3.0)
0.21 >=0.20	GATAD2A (3.6)	GNAI3 (2.9)	NPEPPS (2.8)
0.21 >=0.20	PGS1 (2.6)	COL4A3BP (2.0)	RELB (1.8)
0.21 >=0.20	CEP250 (3.0)	C19orf52 (2.7)	SUGP1 (2.1)
0.21 >=0.20	PVR (2.8)	ENSG00000236436 (2	OBP2B (2.3)
0.21 >=0.20	TXNL4B (3.6)	SARS (3.5)	DHODH (3.0)
0.21 >=0.20	PLEC (2.7)	TBKBP1 (2.5)	ENSG00000226648 (2
0.21 >=0.20	CELSR2 (2.8)	FUT1 (2.7)	OTX1 (2.7)
0.21 >=0.20	CELSR2 (2.8)	FUT1 (2.7)	OTX1 (2.7)
0.21 >=0.20	IZUMO1 (3.3)	TIMD4 (2.2)	PBX4 (2.2)
0.21 >=0.20	MAMSTR (4.2)	SYPL2 (4.0)	TRIM54 (3.2)
0.21 >=0.20	PSMA5 (6.4)	UBXN4 (4.3)	NFE2L3 (3.7)
0.21 >=0.20	OASL (6.1)	PARP10 (5.6)	CYB561D1 (2.5)
0.21 >=0.20	ERGIC3 (3.7)	DARS (3.0)	SNX17 (3.0)
0.21 >=0.20	CLPTM1 (3.1)	HP (3.0)	IGF2R (2.8)
0.21 >=0.20	ENSG00000236436 (3	NYNRIN (2.3)	GDF5 (2.2)
0.21 >=0.20	PLEC (4.5)	GSTM4 (2.8)	GATAD2A (2.8)
0.21 >=0.20	FUT1 (3.4)	CBLC (3.1)	CELSR2 (2.6)
0.21 >=0.20	SMARCA4 (2.4)	TOP1 (2.3)	FEN1 (2.3)
0.21 >=0.20	RELB (4.5)	KPNB1 (3.4)	SARS (3.1)
0.21 >=0.20	DARS (3.3)	AMPD2 (3.0)	TOMM40 (2.9)
0.21 >=0.20	SLC22A3 (3.0)	BCAM (2.7)	SLC44A2 (2.5)
0.21 >=0.20	KPNB1 (2.3)	NPEPPS (2.3)	DOCK7 (2.0)
0.21 >=0.20	FADS2 (3.5)	RASIP1 (3.5)	LIPG (2.6)
0.21 >=0.20	GNAT2 (3.4)	RAB3GAP1 (2.3)	TXNL4B (2.0)

0.21	>=0.20	TRAM2 (4.0)	GDF5 (2.9)	AMIGO1 (2.5)
0.21	>=0.20	IST1 (3.1)	NPEPPS (2.8)	ATXN1L (2.6)
0.21	>=0.20	ENSG00000226645 (3	TRIB1 (2.9)	LPAR2 (2.3)
0.21	>=0.20	CARM1 (3.6)	ENSG00000235545 (2	DOCK7 (2.8)
0.21	>=0.20	C19orf52 (2.7)	SPATC1 (2.7)	MYLIP (2.4)
0.21	>=0.20	CILP2 (4.1)	CYP26A1 (3.7)	GSTM5 (2.6)
0.21	>=0.20	MAU2 (2.8)	RAB3GAP1 (2.7)	CLPTM1 (2.5)
0.21	>=0.20	GMIP (4.1)	HAVCR1 (2.0)	LPA (2.0)
0.21	>=0.20	SMARCA4 (2.9)	MAP3K4 (2.5)	TOP1 (2.5)
0.21	>=0.20	TRIB1 (9.5)	ZNF513 (2.8)	TSSK6 (2.3)
0.21	>=0.20	ST3GAL4 (3.8)	CETP (3.0)	PMFBP1 (2.6)
0.21	>=0.20	HNF1A (3.3)	GSTM5 (3.1)	ST3GAL4 (2.2)
0.21	>=0.20	CARM1 (2.5)	TSSK6 (2.4)	NRBP1 (2.1)
0.21	>=0.20	RASIP1 (3.0)	TRIM54 (2.7)	TIMD4 (1.7)
0.21	>=0.20	ENSG00000231204 (3	ENSG00000226622 (3	ABO (3.1)
0.21	>=0.20	ST3GAL4 (3.3)	CLPTM1 (2.5)	ENSG00000254235 (2
0.21	>=0.20	OASL (3.8)	PGS1 (3.5)	MAFB (2.5)
0.22	>=0.20	GMIP (5.0)	RELB (4.3)	MYLIP (2.5)
0.22	>=0.20	PSMA5 (6.3)	UBXN4 (4.5)	NFE2L3 (3.7)
0.22	>=0.20	PGS1 (3.1)	COL4A3BP (2.1)	IZUMO1 (1.8)
0.22	>=0.20	GSTM4 (2.8)	MAFB (2.4)	CETP (2.3)
0.22	>=0.20	BUD13 (3.0)	SUGP1 (2.8)	DHX38 (2.3)
0.22	>=0.20	GRINA (2.5)	ST3GAL4 (2.2)	ENSG00000228044 (2
0.22	>=0.20	SYPL2 (3.3)	ENSG00000235545 (2	AMIGO1 (2.5)
0.22	>=0.20	SYPL2 (3.3)	ENSG00000235545 (2	AMIGO1 (2.5)
0.22	>=0.20	RELB (3.2)	SLC22A3 (3.2)	GMIP (2.5)
0.22	>=0.20	OASL (3.3)	PVR (3.0)	RELB (2.6)
0.22	>=0.20	PSMA5 (5.4)	UBXN4 (4.4)	NUP93 (3.5)
0.22	>=0.20	PSMA5 (5.4)	UBXN4 (4.4)	NUP93 (3.5)
0.22	>=0.20	PSMA5 (6.2)	UBXN4 (4.4)	NFE2L3 (3.5)
0.22	>=0.20	MCM6 (7.8)	FEN1 (6.7)	USP1 (4.7)
0.22	>=0.20	USP1 (3.0)	PLCG1 (2.7)	GATAD2A (2.5)
0.22	>=0.20	SMARCA4 (3.3)	NUP93 (3.2)	BUD13 (3.1)
0.22	>=0.20	TRIM54 (5.5)	SYPL2 (5.1)	MAMSTR (3.3)
0.22	>=0.20	FGF21 (2.8)	LPL (2.7)	GPAM (2.4)
0.22	>=0.20	BCAM (2.9)	FNDC4 (2.4)	GPAM (2.2)
0.22	>=0.20	ENSG00000226806 (3	PVR (3.1)	ENSG00000226645 (3
0.22	>=0.20	GDF5 (3.0)	C11orf9 (2.7)	HMGCR (2.6)
0.22	>=0.20	SARS (4.4)	FUT1 (3.1)	ABCA5 (3.1)
0.22	>=0.20	PVR (3.0)	ZNF821 (3.0)	NYNRIN (2.1)
0.22	>=0.20	PGS1 (3.1)	COL4A3BP (2.0)	IZUMO1 (1.8)
0.22	>=0.20	MAFB (3.1)	HP (3.1)	GMIP (2.1)
0.22	>=0.20	OASL (4.3)	MAU2 (3.0)	BUD13 (3.0)
0.22	>=0.20	EHBP1 (4.0)	IFT172 (2.8)	POC5 (2.6)
0.22	>=0.20	RELB (4.7)	TRIB1 (3.4)	PVR (3.4)
0.22	>=0.20	OASL (3.0)	ABCA5 (2.9)	TIMD4 (2.3)
0.22	>=0.20	GMIP (4.2)	CEP250 (2.3)	IGF2R (2.2)
0.22	>=0.20	ZNF821 (2.7)	TRIB1 (2.6)	BUD13 (2.6)
0.22	>=0.20	NUP93 (3.2)	USP1 (3.0)	TOP1 (2.9)
0.22	>=0.20	TRIM54 (3.3)	SYPL2 (2.7)	PLEC (2.4)

0.22	>=0.20	UBXN4 (3.4)	SUGP1 (3.3)	SARS (3.2)
0.22	>=0.20	UBXN4 (3.4)	SUGP1 (3.3)	SARS (3.2)
0.22	>=0.20	FUT1 (2.9)	GPAM (2.5)	PBX4 (2.4)
0.22	>=0.20	ENSG00000226622 (3	LPAR2 (3.1)	OBP2B (2.9)
0.22	>=0.20	GDF5 (3.0)	LIPG (3.0)	ABCA1 (2.3)
0.22	>=0.20	TOP1 (3.5)	SMARCA4 (3.0)	NUP93 (2.9)
0.22	>=0.20	DOCK7 (3.0)	SLC44A2 (2.5)	MYLIP (2.4)
0.22	>=0.20	ZNF259 (3.8)	DHODH (3.5)	TOMM40 (2.7)
0.22	>=0.20	TOP1 (3.3)	NUP93 (3.2)	NOP58 (2.9)
0.22	>=0.20	TRIB1 (2.6)	MYLIP (2.5)	CELSR2 (2.5)
0.22	>=0.20	DHX38 (3.6)	BUD13 (3.6)	TOP1 (3.5)
0.22	>=0.20	SMARCA4 (3.2)	MAP3K4 (2.8)	TOP1 (2.2)
0.22	>=0.20	PSMA5 (4.7)	UBXN4 (4.4)	NFE2L3 (3.1)
0.22	>=0.20	NUP93 (3.3)	NOP58 (3.2)	SMARCA4 (2.9)
0.22	>=0.20	BUD13 (3.0)	MAP3K4 (3.0)	DHX38 (2.7)
0.22	>=0.20	CBLC (2.6)	C11orf9 (2.4)	LPAR2 (1.9)
0.22	>=0.20	TRIB1 (4.2)	CYP26A1 (3.0)	KANK2 (3.0)
0.22	>=0.20	RP1 (3.5)	NYNRIN (2.2)	GSTM5 (2.2)
0.22	>=0.20	TBKBP1 (2.8)	HNF1A (2.5)	NPEPPS (2.0)
0.22	>=0.20	RELB (3.1)	C17orf57 (3.0)	GMIP (2.9)
0.22	>=0.20	RELB (4.6)	TRIB1 (3.9)	OASL (3.4)
0.22	>=0.20	SNX17 (3.3)	ATP13A1 (2.9)	ZNF259 (2.8)
0.22	>=0.20	SLC22A2 (3.6)	APOA4 (3.2)	TM6SF2 (3.0)
0.22	>=0.20	CELSR2 (3.5)	CBLC (3.0)	FUT1 (2.7)
0.22	>=0.20	ENSG00000228044 (2	ENSG00000244861 (2	CYB561D1 (2.0)
0.22	>=0.20	OASL (7.0)	PARP10 (2.7)	USP1 (2.4)
0.22	>=0.20	POLK (3.5)	ENSG00000226622 (2	ENSG00000228044 (2
0.22	>=0.20	DHX38 (5.1)	SUGP1 (3.4)	NUP93 (3.2)
0.22	>=0.20	TRIB1 (5.1)	SARS (4.9)	FGF21 (4.2)
0.22	>=0.20	CILP2 (5.0)	CYP26A1 (4.4)	GDF5 (2.7)
0.22	>=0.20	ATP13A1 (3.2)	YIPF2 (3.0)	SNX17 (2.9)
0.22	>=0.20	PLEC (2.8)	PVRL2 (2.8)	TRAM2 (2.6)
0.22	>=0.20	KANK2 (3.3)	PLEC (3.1)	PVR (2.6)
0.22	>=0.20	APOC3 (2.8)	APOB (2.5)	APOE (2.5)
0.22	>=0.20	C19orf52 (2.3)	SUGP1 (2.3)	CEP250 (2.2)
0.22	>=0.20	CBLC (4.7)	FUT1 (4.3)	BCAM (2.3)
0.22	>=0.20	YIPF2 (4.1)	ERGIC3 (3.9)	TRAM2 (3.1)
0.22	>=0.20	DHX38 (3.1)	SUGP1 (2.3)	ENSG00000226622 (2
0.22	>=0.20	GATAD2A (2.8)	SMARCA4 (2.8)	R3HDM1 (2.4)
0.22	>=0.20	CLPTM1 (3.5)	ERGIC3 (3.1)	YIPF2 (2.7)
0.22	>=0.20	ZNF513 (2.7)	IZUMO1 (2.3)	ENSG00000228044 (2
0.22	>=0.20	KRTCAP3 (3.4)	ENSG00000254235 (3	YIPF2 (2.0)
0.22	>=0.20	ZNF821 (2.6)	TRIB1 (2.6)	BUD13 (2.6)
0.22	>=0.20	PGS1 (2.9)	IZUMO1 (2.0)	COL4A3BP (1.9)
0.22	>=0.20	APOA4 (5.7)	TM6SF2 (5.1)	ABCG5 (4.6)
0.22	>=0.20	ENSG00000254235 (4	SLC22A1 (3.0)	LPA (2.7)
0.22	>=0.20	BUD13 (2.8)	ENSG00000226645 (2	USP1 (2.3)
0.22	>=0.20	C11orf9 (3.3)	APOE (3.0)	GSTM5 (2.0)
0.23	>=0.20	SARS (3.5)	NOP58 (3.5)	SMARCA4 (3.1)
0.23	>=0.20	CARM1 (3.7)	PLEC (2.5)	GATAD2A (2.5)

0.23	>=0.20	BMPR2 (4.6)	RASIP1 (2.5)	LPL (2.4)
0.23	>=0.20	BCAM (3.9)	TRAM2 (3.8)	MAMSTR (2.7)
0.23	>=0.20	FUT2 (2.5)	PARP10 (2.5)	GSTM4 (2.4)
0.23	>=0.20	C17orf57 (3.4)	ENSG00000226622 (2	LCT (2.2)
0.23	>=0.20	ENSG00000226622 (4	OBP2B (2.5)	GSTM5 (2.4)
0.23	>=0.20	ATP13A1 (3.0)	GSTM4 (2.1)	NUP93 (2.1)
0.23	>=0.20	DARS (2.0)	NOP58 (2.0)	PLEC (1.9)
0.23	>=0.20	ABO (2.4)	IZUMO1 (2.3)	NYNRIN (2.3)
0.23	>=0.20	APOA4 (3.7)	LCT (3.5)	APOC3 (3.5)
0.23	>=0.20	RASIP1 (4.6)	DOCK6 (3.6)	MYLIP (3.1)
0.23	>=0.20	TOP1 (4.0)	NOP58 (3.4)	IST1 (3.0)
0.23	>=0.20	NYNRIN (1.6)	HNF1A (1.6)	CYP26A1 (1.5)
0.23	>=0.20	SNX17 (4.7)	NRBP1 (3.8)	PPM1G (3.7)
0.23	>=0.20	TOMM40 (2.8)	MAP3K4 (2.5)	DHX38 (2.2)
0.23	>=0.20	ST3GAL4 (2.5)	OBP2B (1.9)	GRINA (1.9)
0.23	>=0.20	CILP2 (6.5)	MAFB (3.2)	LPL (2.9)
0.23	>=0.20	MCM6 (5.9)	FEN1 (5.2)	PSMA5 (4.1)
0.23	>=0.20	TRIM54 (6.6)	SYPL2 (4.0)	IZUMO1 (2.4)
0.23	>=0.20	PSMA5 (2.9)	SUGP1 (2.7)	TXNL4B (2.5)
0.23	>=0.20	ENSG00000226622 (3	ENSG00000228044 (2	ENSG00000236267 (2
0.23	>=0.20	PMFBP1 (3.7)	IZUMO1 (3.3)	HAVCR1 (2.8)
0.23	>=0.20	NOP58 (4.9)	DARS (3.5)	PPM1G (3.0)
0.23	>=0.20	NRBP1 (2.5)	YSK4 (2.3)	KPNB1 (2.2)
0.23	>=0.20	PSMA5 (6.1)	UBXN4 (4.1)	NFE2L3 (3.6)
0.23	>=0.20	PSMA5 (6.1)	UBXN4 (4.1)	NFE2L3 (3.6)
0.23	>=0.20	PSMA5 (6.1)	UBXN4 (4.1)	NFE2L3 (3.6)
0.23	>=0.20	SMARCA4 (4.0)	DOCK7 (2.9)	KPNB1 (2.5)
0.23	>=0.20	NOP58 (3.2)	SMARCA4 (3.1)	NUP93 (3.1)
0.23	>=0.20	FUT2 (3.8)	HNF1A (2.7)	APOC1 (2.7)
0.23	>=0.20	USP24 (3.2)	C17orf57 (2.7)	PBX4 (2.7)
0.23	>=0.20	PGS1 (2.9)	MAFB (2.3)	ZNF513 (2.3)
0.23	>=0.20	SLC22A2 (2.8)	NYNRIN (2.8)	RASIP1 (1.9)
0.23	>=0.20	CELSR2 (3.3)	MAMSTR (2.6)	ABCA5 (2.6)
0.23	>=0.20	DHX38 (4.1)	SUGP1 (3.6)	IST1 (3.0)
0.23	>=0.20	CYP26A1 (5.7)	PVRL2 (2.6)	ATXN1L (1.8)
0.23	>=0.20	PCSK9 (2.3)	ENSG00000244861 (2	SLC22A3 (2.1)
0.23	>=0.20	RELB (8.0)	NFE2L3 (3.8)	ZNF513 (2.6)
0.23	>=0.20	APOC1 (2.7)	SORT1 (2.1)	RASIP1 (2.0)
0.23	>=0.20	ENSG00000236267 (2	MAP3K4 (2.5)	USP24 (2.0)
0.23	>=0.20	HMGCR (3.2)	PCSK9 (3.0)	KRTCAP3 (2.8)
0.23	>=0.20	ENSG00000236267 (4	C17orf57 (3.2)	LPIN3 (3.0)
0.23	>=0.20	MAU2 (3.7)	FEN1 (3.3)	USP1 (3.0)
0.23	>=0.20	CBLC (4.7)	KRTCAP3 (4.1)	FUT1 (2.7)
0.23	>=0.20	LPL (3.5)	CETP (2.4)	COL4A3BP (2.2)
0.23	>=0.20	GMIP (4.1)	ENSG00000244861 (3	AMPD2 (3.0)
0.23	>=0.20	HNF1A (2.1)	PCSK9 (1.6)	CETP (1.6)
0.23	>=0.20	CLPTM1 (2.8)	ENSG00000244861 (2	FUT2 (2.3)
0.23	>=0.20	RELB (2.6)	GMIP (2.3)	PBX4 (2.1)
0.23	>=0.20	NYNRIN (3.4)	TBKBP1 (3.2)	RASIP1 (2.7)
0.23	>=0.20	DOCK6 (2.5)	CLPTM1 (2.1)	COL4A3BP (2.1)

0.23	>=0.20	GDF5 (3.4)	GMIP (3.2)	GATAD2A (2.9)
0.23	>=0.20	SNX17 (4.0)	TOMM40 (3.5)	UBXN4 (3.2)
0.23	>=0.20	CYP26A1 (2.9)	TBKBP1 (2.8)	DOCK6 (2.4)
0.23	>=0.20	NOP58 (4.6)	ZNF259 (4.1)	DHODH (3.5)
0.23	>=0.20	PSMA5 (2.8)	TXNL4B (2.7)	TOMM40 (2.7)
0.23	>=0.20	GATAD2A (3.6)	GNAI3 (2.9)	NPEPPS (2.8)
0.23	>=0.20	PSMA5 (5.3)	UBXN4 (4.2)	MCM6 (3.6)
0.23	>=0.20	CYP26A1 (3.5)	ENSG00000182329 (2	OTX1 (2.2)
0.23	>=0.20	ZNF259 (3.4)	C12orf43 (3.3)	DARS (3.2)
0.23	>=0.20	KRTCAP3 (2.8)	ENSG00000254235 (2	ERGIC3 (2.7)
0.23	>=0.20	PSMA5 (5.9)	UBXN4 (3.9)	NFE2L3 (3.3)
0.23	>=0.20	BUD13 (3.5)	NUP93 (3.0)	DHX38 (2.9)
0.23	>=0.20	DHX38 (4.1)	SMARCA4 (3.7)	TOP1 (2.9)
0.23	>=0.20	CELSR2 (2.8)	SUMO1 (2.2)	ST3GAL4 (2.1)
0.23	>=0.20	NOP58 (4.2)	ZNF259 (3.4)	DARS (2.5)
0.23	>=0.20	PGS1 (2.8)	COL4A3BP (2.1)	MAP3K4 (1.9)
0.23	>=0.20	ST3GAL4 (3.1)	ENSG00000226622 (2	PGS1 (1.9)
0.23	>=0.20	LPL (5.1)	APOC1 (3.5)	ZRANB3 (2.8)
0.23	>=0.20	MCM6 (6.8)	FEN1 (6.7)	ZRANB3 (4.4)
0.23	>=0.20	PSRC1 (4.6)	FEN1 (3.8)	MCM6 (3.5)
0.23	>=0.20	YIPF2 (4.0)	CLPTM1 (3.8)	IST1 (3.0)
0.24	>=0.20	SYPL2 (7.1)	TRIM54 (6.8)	GNAI3 (3.7)
0.24	>=0.20	CLPTM1 (4.1)	FUT2 (4.0)	ERGIC3 (3.1)
0.24	>=0.20	CLPTM1 (4.1)	FUT2 (4.0)	ERGIC3 (3.1)
0.24	>=0.20	C19orf52 (2.4)	CEP250 (2.3)	SUGP1 (2.2)
0.24	>=0.20	RP1 (13.5)	GNAT2 (9.6)	ENSG00000235545 (2
0.24	>=0.20	POC5 (3.5)	NUP93 (2.9)	MAP3K4 (2.8)
0.24	>=0.20	NOP58 (4.3)	ZNF259 (3.0)	GNAI3 (2.6)
0.24	>=0.20	MCM6 (5.1)	FEN1 (4.3)	FADS1 (3.3)
0.24	>=0.20	MAMSTR (3.0)	YIPF2 (2.3)	PBX4 (2.3)
0.24	>=0.20	GMIP (3.2)	GDF5 (2.9)	MAU2 (2.6)
0.24	>=0.20	CYP26A1 (2.8)	CILP2 (2.4)	OTX1 (1.8)
0.24	>=0.20	NUP93 (3.1)	TOP1 (3.0)	USP1 (2.9)
0.24	>=0.20	PMFBP1 (2.7)	GPR61 (2.6)	YIPF2 (2.6)
0.24	>=0.20	TRIB1 (3.3)	USP24 (3.1)	BMPR2 (2.5)
0.24	>=0.20	NOP58 (4.7)	ZNF259 (4.5)	TOMM40 (3.4)
0.24	>=0.20	TIMD4 (2.5)	ENSG00000228044 (2	MAFB (1.9)
0.24	>=0.20	CBLC (3.7)	MAFB (2.3)	FUT1 (2.1)
0.24	>=0.20	RELB (3.8)	TIMD4 (3.0)	GMIP (2.4)
0.24	>=0.20	NYNRIN (3.7)	CYP26A1 (2.9)	GDF5 (2.6)
0.24	>=0.20	RELB (4.9)	GMIP (4.1)	TIMD4 (2.5)
0.24	>=0.20	ERGIC3 (4.6)	ATP13A1 (3.8)	CYB561D1 (3.1)
0.24	>=0.20	SLC22A1 (3.7)	ENSG00000254235 (3	TXNL4B (3.4)
0.24	>=0.20	PVR (2.2)	TRIB1 (2.1)	GMIP (2.1)
0.24	>=0.20	FER1L4 (3.4)	GOT2P1 (3.0)	DARS (2.1)
0.24	>=0.20	IGF2R (2.8)	PLEC (2.8)	DOCK6 (2.4)
0.24	>=0.20	NRBP1 (3.9)	UBXN4 (2.7)	GRINA (2.6)
0.24	>=0.20	USP1 (3.8)	TOP1 (3.5)	IST1 (3.4)
0.24	>=0.20	PLEC (4.3)	RASIP1 (2.6)	PVR (2.6)
0.24	>=0.20	MAU2 (3.2)	ATP13A1 (2.2)	C19orf52 (2.2)

0.24	>=0.20	ENSG00000235545 (4	AMIGO1 (2.7)	ENSG00000226622 (2
0.24	>=0.20	CILP2 (3.3)	CYP26A1 (2.9)	GDF5 (2.1)
0.24	>=0.20	PSMA5 (5.9)	UBXN4 (3.8)	NFE2L3 (3.4)
0.24	>=0.20	NOP58 (4.3)	ZNF259 (3.6)	DHX38 (2.6)
0.24	>=0.20	USP1 (3.1)	TSSK6 (2.4)	FEN1 (2.3)
0.24	>=0.20	TOP1 (4.1)	NOP58 (3.5)	SMARCA4 (3.2)
0.24	>=0.20	SNX17 (4.5)	PPM1G (3.0)	DOCK7 (2.3)
0.24	>=0.20	SMARCA4 (2.5)	MAU2 (2.5)	BUD13 (2.4)
0.24	>=0.20	PGS1 (2.5)	C17orf57 (2.3)	MAFB (2.2)
0.24	>=0.20	CBLC (6.6)	KRTCAP3 (3.5)	FUT1 (3.3)
0.24	>=0.20	PVRL2 (3.5)	BCAM (2.8)	DOCK7 (2.6)
0.24	>=0.20	PARP10 (3.8)	TM6SF2 (3.3)	CETP (2.9)
0.24	>=0.20	OTX1 (3.3)	DOCK7 (2.9)	GDF5 (2.4)
0.24	>=0.20	SMARCA4 (3.9)	USP1 (2.8)	BUD13 (2.7)
0.24	>=0.20	LPL (3.2)	ENSG00000256731 (3	SLC22A3 (3.0)
0.24	>=0.20	ENSG00000231204 (3	ABO (2.1)	AMIGO1 (2.0)
0.24	>=0.20	SARS (2.9)	SORT1 (2.6)	MAFB (2.4)
0.24	>=0.20	PSRC1 (3.4)	POC5 (2.7)	USP1 (2.7)
0.24	>=0.20	NOP58 (4.5)	ZNF259 (4.0)	AMPD2 (3.5)
0.24	>=0.20	OBP2B (3.1)	CEP250 (2.2)	MAMSTR (2.2)
0.24	>=0.20	FEN1 (4.0)	MCM6 (3.9)	USP1 (3.8)
0.24	>=0.20	MAP3K4 (3.5)	NPEPPS (2.4)	NRBP1 (2.4)
0.24	>=0.20	GMIP (3.9)	NCAN (2.5)	RELB (2.5)
0.24	>=0.20	HNF4A (2.5)	ABCA6 (2.5)	PVRL2 (2.5)
0.24	>=0.20	KPNB1 (4.3)	SARS (2.9)	PSMA5 (2.7)
0.24	>=0.20	TM6SF2 (4.9)	APOA4 (4.4)	ABCG5 (3.7)
0.24	>=0.20	DHODH (4.2)	C12orf43 (3.6)	TXNL4B (2.9)
0.24	>=0.20	CILP2 (6.3)	GDF5 (3.4)	BCAM (2.8)
0.24	>=0.20	CBLC (5.6)	KRTCAP3 (3.3)	CELSR2 (3.1)
0.24	>=0.20	ABCG8 (4.1)	SLC22A3 (3.7)	RASIP1 (2.6)
0.24	>=0.20	GSTM4 (8.0)	KRTCAP3 (2.7)	FADS1 (2.4)
0.24	>=0.20	NOP58 (3.4)	USP24 (2.9)	DHODH (2.8)
0.24	>=0.20	OASL (4.0)	TRIB1 (3.2)	GATAD2A (2.7)
0.24	>=0.20	TRIB1 (7.7)	TSSK6 (2.5)	ZNF513 (2.1)
0.24	>=0.20	PMFBP1 (2.7)	FUT1 (2.5)	DNAH11 (2.0)
0.24	>=0.20	ENSG00000231204 (2	ZNF821 (2.4)	ENSG00000226806 (2
0.24	>=0.20	PGS1 (3.7)	COL4A3BP (2.3)	MAP3K4 (2.1)
0.24	>=0.20	ENSG00000254235 (5	SLC22A1 (3.1)	LPA (3.0)
0.24	>=0.20	PSMA5 (5.8)	UBXN4 (3.6)	NFE2L3 (3.4)
0.24	>=0.20	TRIM54 (6.3)	SYPL2 (4.4)	LPL (3.4)
0.24	>=0.20	RP1 (10.9)	GNAT2 (6.7)	ENSG00000226806 (2
0.24	>=0.20	RP1 (11.3)	GNAT2 (8.2)	PMFBP1 (1.8)
0.24	>=0.20	BCAM (3.0)	CBLC (2.6)	ABCA6 (2.5)
0.24	>=0.20	PGS1 (3.0)	ERGIC3 (2.8)	RAB3GAP1 (2.6)
0.24	>=0.20	COL4A3BP (2.9)	SORT1 (2.4)	ENSG00000254235 (2
0.24	>=0.20	PSMA5 (5.6)	UBXN4 (4.4)	NFE2L3 (3.4)
0.24	>=0.20	LDLR (3.3)	IGF2R (2.4)	ATP13A1 (2.2)
0.24	>=0.20	GRINA (4.3)	CLPTM1 (3.4)	ATP13A1 (3.2)
0.24	>=0.20	CBLC (6.4)	KRTCAP3 (3.9)	FUT1 (3.4)
0.24	>=0.20	KPNB1 (3.0)	RAB3GAP1 (2.2)	CLPTM1 (2.2)

0.24	>=0.20	PGS1 (3.1)	COL4A3BP (2.1)	MAP3K4 (1.8)
0.24	>=0.20	SLC22A2 (7.4)	PLG (6.5)	ANGPTL3 (6.4)
0.25	>=0.20	NOP58 (5.5)	ZNF259 (5.2)	TOMM40 (3.8)
0.25	>=0.20	GSTM5 (2.8)	ST3GAL4 (2.8)	GPR61 (2.7)
0.25	>=0.20	NOP58 (3.4)	ZNF259 (3.3)	TOP1 (3.3)
0.25	>=0.20	OASL (7.3)	PARP10 (3.1)	ENSG00000226806 (2
0.25	>=0.20	OASL (7.3)	PARP10 (3.1)	ENSG00000226806 (2
0.25	>=0.20	NFE2L3 (3.3)	ABCA6 (2.8)	CETP (2.0)
0.25	>=0.20	BMPR2 (4.8)	NYNRIN (3.0)	LIPG (2.7)
0.25	>=0.20	NOP58 (3.2)	TOP1 (2.3)	R3HDM1 (2.3)
0.25	>=0.20	BMPR2 (2.8)	NCAN (2.5)	PVRL2 (2.4)
0.25	>=0.20	CYP26A1 (3.8)	NYNRIN (2.8)	ATXN7L2 (1.9)
0.25	>=0.20	RELB (4.5)	PARP10 (3.2)	TRIB1 (3.0)
0.25	>=0.20	RP1 (7.0)	GNAT2 (3.9)	APOC1 (2.5)
0.25	>=0.20	CILP2 (3.0)	MYLIP (2.9)	CYP26A1 (2.7)
0.25	>=0.20	DNAH11 (2.3)	USP24 (2.2)	GRINA (2.0)
0.25	>=0.20	CILP2 (6.3)	GDF5 (3.4)	ERGIC3 (2.9)
0.25	>=0.20	PVR (3.6)	PLEC (2.8)	LIPG (2.7)
0.25	>=0.20	SPATC1 (3.2)	RELB (3.1)	GMIP (2.5)
0.25	>=0.20	SLC22A2 (3.6)	ENSG00000254235 (3	LPAL2 (2.7)
0.25	>=0.20	NOP58 (3.3)	TOP1 (3.2)	DHX38 (3.0)
0.25	>=0.20	TM6SF2 (3.1)	ABCG8 (3.0)	ABO (2.8)
0.25	>=0.20	RASIP1 (6.2)	DOCK6 (4.1)	DNAH11 (3.1)
0.25	>=0.20	MAMSTR (4.4)	ATXN7L2 (3.4)	SYPL2 (3.0)
0.25	>=0.20	HNF1A (2.4)	PCSK9 (1.7)	CETP (1.6)
0.25	>=0.20	PSRC1 (2.8)	BMPR2 (2.6)	FEN1 (2.5)
0.25	>=0.20	DHODH (2.8)	TOMM40 (2.4)	C19orf52 (2.2)
0.25	>=0.20	RELB (5.2)	PVR (3.4)	PLEC (2.3)
0.25	>=0.20	RASIP1 (3.8)	PVRL2 (3.5)	BCAM (3.0)
0.25	>=0.20	SUGP1 (3.4)	IST1 (3.2)	DHX38 (3.2)
0.25	>=0.20	ZRANB3 (3.3)	CEP250 (3.1)	POLK (2.8)
0.25	>=0.20	GRINA (3.6)	UBXN4 (3.4)	HAVCR1 (2.4)
0.25	>=0.20	SARS (4.6)	RELB (4.4)	KPNB1 (3.7)
0.25	>=0.20	PLEC (4.2)	ZHX3 (2.9)	MAP3K4 (2.9)
0.25	>=0.20	RP1 (4.9)	GNAT2 (3.9)	OTX1 (3.1)
0.25	>=0.20	ENSG00000228044 (3	LIPG (3.0)	SLC22A3 (2.9)
0.25	>=0.20	ABCA5 (3.0)	DOCK7 (2.6)	NPEPPS (2.3)
0.25	>=0.20	ZRANB3 (5.1)	MCM6 (4.6)	CEP250 (4.0)
0.25	>=0.20	OASL (7.8)	PARP10 (3.7)	USP1 (2.3)
0.25	>=0.20	RELB (5.2)	PBX4 (3.6)	NFE2L3 (3.2)
0.25	>=0.20	SUGP1 (3.7)	SMARCA4 (3.3)	DHX38 (3.3)
0.25	>=0.20	KPNB1 (3.6)	DOCK6 (2.8)	DARS (2.7)
0.25	>=0.20	DHODH (4.7)	ST3GAL4 (4.4)	ZNF259 (3.4)
0.25	>=0.20	ENSG00000226622 (4	OBP2B (2.9)	DNAH11 (2.6)
0.25	>=0.20	YIPF2 (4.0)	ERGIC3 (3.7)	TRAM2 (3.4)
0.25	>=0.20	FADS1 (5.5)	FADS2 (5.3)	HMGCR (5.3)
0.25	>=0.20	FADS1 (5.5)	FADS2 (5.3)	HMGCR (5.3)
0.25	>=0.20	APOE (2.9)	TSSK6 (2.3)	GCKR (2.0)
0.25	>=0.20	ENSG00000236267 (2	ABO (2.2)	ENSG00000226648 (2
0.25	>=0.20	OTX1 (3.0)	APOE (2.7)	MYLIP (2.7)

0.25 >=0.20	CBLC (3.9)	BCAM (3.4)	KRTCAP3 (3.3)
0.25 >=0.20	OTX1 (4.4)	CYP26A1 (3.0)	IFT172 (2.1)
0.25 >=0.20	GDF5 (4.5)	CILP2 (3.3)	MAFB (3.3)
0.25 >=0.20	MAMSTR (4.2)	SYPL2 (2.7)	GPR61 (2.6)
0.25 >=0.20	ATP13A1 (4.2)	NUP93 (3.1)	UBXN4 (2.9)
0.25 >=0.20	ATXN1L (2.4)	GRINA (2.3)	SUMO1 (1.9)
0.25 >=0.20	ZHX3 (2.5)	RASIP1 (2.4)	TBKBP1 (2.3)
0.25 >=0.20	PVR (3.7)	KANK2 (2.8)	PVRL2 (2.7)
0.25 >=0.20	HP (5.3)	GMIP (3.1)	MAFB (2.0)
0.25 >=0.20	R3HDM1 (3.3)	ATXN1L (3.3)	USP1 (2.1)
0.25 >=0.20	PGS1 (5.3)	TRIB1 (2.4)	LPL (2.2)
0.25 >=0.20	PLEC (4.0)	CBLC (3.9)	ENSG00000235545 (2
0.25 >=0.20	ZHX3 (3.1)	KANK2 (3.1)	ENSG00000236436 (2
0.25 >=0.20	LPA (3.6)	TM6SF2 (2.8)	CETP (2.7)
0.25 >=0.20	SMARCA4 (4.3)	DOCK7 (2.8)	BUD13 (2.6)
0.25 >=0.20	GNAI3 (4.4)	PLEC (3.5)	SNX17 (3.3)
0.25 >=0.20	NCAN (3.0)	TM6SF2 (2.9)	GNAT2 (2.8)
0.25 >=0.20	PMFBP1 (2.6)	IZUMO1 (2.5)	DNAH11 (2.5)
0.25 >=0.20	APOA4 (4.2)	ABCG5 (3.9)	LCT (3.7)
0.25 >=0.20	OTX1 (3.1)	GDF5 (2.9)	FUT2 (2.8)
0.25 >=0.20	SUMO1 (4.3)	GNAI3 (2.1)	C12orf43 (2.1)
0.25 >=0.20	TRIB1 (3.6)	DOCK7 (2.2)	ZNF821 (1.8)
0.25 >=0.20	TIMD4 (3.7)	ABCA1 (3.4)	RELB (3.3)
0.25 >=0.20	PARP10 (2.6)	DOCK7 (2.4)	ENSG00000254235 (2
0.25 >=0.20	RP1 (12.9)	GNAT2 (9.6)	SORT1 (1.9)
0.25 >=0.20	TRIB1 (3.9)	ATXN7L2 (2.9)	GOT2P1 (2.8)
0.25 >=0.20	GPAM (3.3)	PCSK9 (3.2)	FADS1 (3.0)
0.25 >=0.20	PLEC (3.2)	BMPR2 (3.1)	ZHX3 (3.0)
0.25 >=0.20	TOP1 (3.7)	NUP93 (3.2)	DHX38 (2.9)
0.25 >=0.20	GSTM4 (4.1)	GPAM (3.0)	FER1L4 (2.8)
0.25 >=0.20	TIMD4 (3.1)	ABCA6 (2.4)	GMIP (2.3)
0.26 >=0.20	ZNF259 (5.1)	NOP58 (4.8)	DHODH (3.3)
0.26 >=0.20	PLEC (3.7)	C11orf9 (3.1)	SLC44A2 (3.1)
0.26 >=0.20	NRBP1 (2.8)	TRIB1 (2.6)	ABCA1 (2.6)
0.26 >=0.20	GATAD2A (3.2)	GNAI3 (3.2)	PVR (2.2)
0.26 >=0.20	RELB (4.6)	OASL (4.4)	PARP10 (3.8)
0.26 >=0.20	RELB (4.6)	OASL (4.4)	PARP10 (3.8)
0.26 >=0.20	APOA4 (5.0)	TM6SF2 (4.9)	LCT (4.7)
0.26 >=0.20	DOCK7 (2.3)	NPEPPS (2.2)	KPNB1 (2.2)
0.26 >=0.20	PLEC (3.6)	ZHX3 (3.1)	CARM1 (3.0)
0.26 >=0.20	RASIP1 (3.1)	PVR (2.8)	DOCK6 (2.6)
0.26 >=0.20	RASIP1 (2.8)	DOCK6 (2.7)	IFT172 (2.5)
0.26 >=0.20	DHX38 (4.4)	SUGP1 (3.5)	NUP93 (3.4)
0.26 >=0.20	PSRC1 (4.8)	FEN1 (4.2)	USP1 (4.0)
0.26 >=0.20	NUP93 (3.1)	TOP1 (2.9)	NOP58 (2.7)
0.26 >=0.20	NUP93 (3.1)	TOP1 (2.9)	NOP58 (2.7)
0.26 >=0.20	PLCG1 (4.3)	ENSG00000226806 (3	ENSG00000231204 (2
0.26 >=0.20	USP24 (3.9)	UBXN4 (3.0)	RAB3GAP1 (2.9)
0.26 >=0.20	CILP2 (8.8)	GDF5 (3.6)	TRAM2 (2.8)
0.26 >=0.20	CYP26A1 (4.0)	OBP2B (2.4)	LIPG (2.0)

0.26	>=0.20	NPEPPS (3.1)	SMARCA4 (2.8)	CEP250 (2.7)
0.26	>=0.20	NUP93 (3.1)	TOP1 (2.8)	BUD13 (2.8)
0.26	>=0.20	ABCA6 (2.2)	TOMM40 (2.1)	ZNF259 (2.0)
0.26	>=0.20	LPAR2 (2.8)	ENSG00000226645 (2	KRTCAP3 (2.6)
0.26	>=0.20	GMIP (3.3)	PARP10 (2.4)	PGS1 (2.2)
0.26	>=0.20	DHODH (3.1)	LIPG (2.7)	TXNL4B (2.7)
0.26	>=0.20	NOP58 (4.4)	ZNF259 (3.1)	DARS (2.9)
0.26	>=0.20	TRIM54 (6.6)	SYPL2 (3.3)	PLEC (2.0)
0.26	>=0.20	ZNF259 (4.3)	NOP58 (4.0)	TOMM40 (3.0)
0.26	>=0.20	OBP2B (2.4)	ENSG00000231204 (2	ENSG00000182329 (2
0.26	>=0.20	PGS1 (2.9)	COL4A3BP (2.1)	IZUMO1 (1.9)
0.26	>=0.20	PGS1 (2.9)	COL4A3BP (2.1)	IZUMO1 (1.9)
0.26	>=0.20	PGS1 (2.9)	COL4A3BP (2.1)	IZUMO1 (1.9)
0.26	>=0.20	CLPTM1 (2.6)	DOCK7 (2.4)	IFT172 (2.0)
0.26	>=0.20	PARP10 (7.1)	OASL (6.3)	ENSG00000235545 (2
0.26	>=0.20	GRINA (3.6)	IST1 (3.2)	ENSG00000228044 (2
0.26	>=0.20	PGS1 (3.7)	ABCA6 (2.5)	LPAR2 (2.1)
0.26	>=0.20	PLEC (4.1)	GNAI3 (3.2)	NRBP1 (2.3)
0.26	>=0.20	ABCA6 (3.1)	HAVCR1 (2.9)	LIPC (2.3)
0.26	>=0.20	MAFB (3.1)	LIPG (2.7)	FNDC4 (2.4)
0.26	>=0.20	NYNRIN (3.2)	CYP26A1 (2.7)	ENSG00000244861 (2
0.26	>=0.20	PLCG1 (4.9)	ENSG00000226806 (3	SLC44A2 (2.4)
0.26	>=0.20	PLCG1 (4.9)	ENSG00000226806 (3	SLC44A2 (2.4)
0.26	>=0.20	KANK2 (2.5)	GSTM5 (2.0)	ATXN1L (1.8)
0.26	>=0.20	RELB (3.0)	PBX4 (2.6)	NFE2L3 (2.4)
0.26	>=0.20	CBLC (6.1)	KRTCAP3 (3.8)	FUT1 (3.1)
0.26	>=0.20	TRIB1 (4.3)	TBKBP1 (2.6)	PVR (2.6)
0.26	>=0.20	IZUMO1 (3.0)	DNAH11 (2.6)	ZNF513 (2.5)
0.26	>=0.20	LCT (3.6)	C17orf57 (3.4)	ENSG00000244861 (2
0.26	>=0.20	CBLC (3.4)	BCAM (3.3)	OTX1 (2.8)
0.26	>=0.20	ZHX3 (2.8)	IZUMO1 (2.4)	ENSG00000226622 (2
0.26	>=0.20	LPL (4.0)	IGF2R (2.8)	APOE (2.4)
0.26	>=0.20	NUP93 (3.1)	IST1 (3.1)	TOP1 (3.0)
0.26	>=0.20	POC5 (2.9)	DOCK7 (2.7)	ABCG8 (2.3)
0.26	>=0.20	SNX17 (3.1)	TOMM40 (2.3)	ENSG00000235545 (2
0.26	>=0.20	CEP250 (2.3)	SUGP1 (2.3)	DHX38 (2.1)
0.26	>=0.20	PGS1 (2.9)	COL4A3BP (2.1)	IZUMO1 (1.9)
0.26	>=0.20	SMARCA4 (2.4)	C19orf52 (2.3)	POLK (2.0)
0.26	>=0.20	SLC22A2 (2.4)	GPAM (2.3)	ENSG00000226806 (1
0.26	>=0.20	CARM1 (3.7)	GMIP (3.0)	CLPTM1 (2.8)
0.26	>=0.20	SLC44A2 (4.2)	ZHX3 (3.5)	PLCG1 (2.6)
0.26	>=0.20	NUP93 (3.2)	PSMA5 (3.0)	KPNB1 (2.7)
0.26	>=0.20	NOP58 (3.9)	ZNF259 (3.4)	ATP13A1 (2.6)
0.26	>=0.20	PGS1 (2.9)	COL4A3BP (2.2)	IZUMO1 (1.9)
0.26	>=0.20	PSMA5 (5.7)	UBXN4 (4.5)	NFE2L3 (2.9)
0.26	>=0.20	LPL (5.1)	GPAM (3.6)	HP (2.6)
0.26	>=0.20	OTX1 (3.1)	DNAH11 (2.5)	IFT172 (2.3)
0.26	>=0.20	MCM6 (5.2)	FEN1 (4.4)	PSMA5 (3.7)
0.26	>=0.20	ATP13A1 (3.2)	ENSG00000236436 (2	SUGP1 (2.8)
0.26	>=0.20	TRIB1 (5.8)	PVR (3.7)	RELB (3.6)

0.26 >=0.20	DOCK6 (4.3)	RASIP1 (3.4)	PLCG1 (3.2)
0.26 >=0.20	CBLC (6.4)	KRTCAP3 (3.5)	FUT1 (3.1)
0.26 >=0.20	YIPF2 (5.4)	MAU2 (2.3)	NRBP1 (2.3)
0.26 >=0.20	TIMD4 (3.7)	GMIP (2.8)	LPA (2.5)
0.26 >=0.20	KANK2 (4.0)	BMPR2 (3.4)	SLC22A3 (2.7)
0.26 >=0.20	SARS (5.0)	FGF21 (3.5)	PVR (3.4)
0.26 >=0.20	RELB (4.4)	PVR (3.2)	ZNF513 (2.7)
0.26 >=0.20	TRIB1 (3.2)	KANK2 (2.5)	ATXN7L2 (2.4)
0.26 >=0.20	ERGIC3 (3.5)	NRBP1 (3.2)	SNX17 (2.9)
0.26 >=0.20	DHODH (3.4)	C19orf52 (2.6)	ABCG5 (2.5)
0.26 >=0.20	PLEC (3.8)	CBLC (3.0)	MAP3K4 (2.9)
0.26 >=0.20	TOMM40 (4.9)	DHODH (4.6)	CARM1 (3.4)
0.26 >=0.20	ABCA1 (3.1)	CELSR2 (2.5)	NCAN (2.2)
0.26 >=0.20	HNF1A (3.7)	ABCG8 (2.7)	GNAT2 (2.6)
0.26 >=0.20	PVRL2 (3.8)	NYNRIN (3.8)	CYP26A1 (2.6)
0.26 >=0.20	CYP26A1 (2.7)	PCSK9 (2.3)	NYNRIN (2.2)
0.26 >=0.20	PMFBP1 (3.8)	TSSK6 (3.7)	IZUMO1 (3.4)
0.26 >=0.20	OBP2B (2.4)	TRAM2 (2.3)	IZUMO1 (1.7)
0.26 >=0.20	CARM1 (4.2)	SMARCA4 (3.4)	NPEPPS (2.8)
0.26 >=0.20	YIPF2 (4.1)	UBXN4 (3.4)	ERGIC3 (3.3)
0.26 >=0.20	OTX1 (2.8)	ENSG00000226645 (2	BCAM (2.0)
0.27 >=0.20	NUP93 (3.1)	TOP1 (3.0)	IST1 (2.8)
0.27 >=0.20	MCM6 (6.3)	FEN1 (5.8)	USP1 (4.7)
0.27 >=0.20	ATXN1L (3.8)	IST1 (3.8)	TXNL4B (3.6)
0.27 >=0.20	SNX17 (3.9)	PPM1G (3.4)	RELB (3.0)
0.27 >=0.20	TRAM2 (2.9)	ST3GAL4 (2.6)	DOCK7 (2.0)
0.27 >=0.20	IST1 (3.6)	ABCA5 (3.1)	PGS1 (2.7)
0.27 >=0.20	NPEPPS (3.0)	ABCA1 (2.7)	DOCK7 (2.2)
0.27 >=0.20	OBP2B (3.1)	GSTM5 (2.7)	ST3GAL4 (2.4)
0.27 >=0.20	CBLC (5.7)	KRTCAP3 (4.0)	FUT1 (3.3)
0.27 >=0.20	NUP93 (3.2)	TOP1 (3.0)	BUD13 (2.9)
0.27 >=0.20	DHX38 (3.6)	TOP1 (3.3)	SUGP1 (3.1)
0.27 >=0.20	TOP1 (3.6)	NOP58 (3.5)	KPNB1 (3.0)
0.27 >=0.20	ENSG00000228044 (3	FER1L4 (2.8)	IZUMO1 (2.5)
0.27 >=0.20	PSMA5 (5.8)	UBXN4 (4.2)	NFE2L3 (3.1)
0.27 >=0.20	RELB (3.7)	PBX4 (3.2)	ENSG00000256731 (2
0.27 >=0.20	NUP93 (3.3)	BUD13 (2.8)	SMARCA4 (2.7)
0.27 >=0.20	CILP2 (6.1)	MAFB (2.4)	GDF5 (2.2)
0.27 >=0.20	ERGIC3 (3.4)	BCAM (2.5)	CELSR2 (2.4)
0.27 >=0.20	RELB (4.1)	COL4A3BP (2.3)	BUD13 (2.3)
0.27 >=0.20	TBKBP1 (3.2)	NYNRIN (3.1)	SPATC1 (3.0)
0.27 >=0.20	CELSR2 (2.7)	OTX1 (2.7)	FUT1 (2.6)
0.27 >=0.20	CELSR2 (2.7)	OTX1 (2.7)	FUT1 (2.6)
0.27 >=0.20	CELSR2 (2.7)	OTX1 (2.7)	FUT1 (2.6)
0.27 >=0.20	TIMD4 (2.7)	GMIP (2.4)	IGF2R (1.9)
0.27 >=0.20	HAPLN4 (3.2)	NCAN (2.6)	CELSR2 (2.5)
0.27 >=0.20	SUGP1 (3.9)	SMARCA4 (3.6)	NOP58 (3.3)
0.27 >=0.20	CELSR2 (3.3)	CARM1 (2.9)	DOCK7 (2.7)
0.27 >=0.20	BUD13 (3.9)	SUGP1 (3.7)	DHX38 (3.4)
0.27 >=0.20	GNAT2 (3.0)	PMFBP1 (2.4)	FGF21 (2.3)

0.27 >=0.20	ATP13A1 (2.7)	GSTM4 (2.2)	SNX17 (2.0)
0.27 >=0.20	NCAN (4.6)	ABCG8 (3.1)	APOC4 (2.8)
0.27 >=0.20	RELB (4.4)	FUT2 (2.8)	NFE2L3 (2.7)
0.27 >=0.20	GOT2P1 (3.5)	GATAD2A (2.8)	USP1 (2.8)
0.27 >=0.20	ATP13A1 (2.6)	TSSK6 (2.4)	FADS2 (2.3)
0.27 >=0.20	LCT (2.8)	APOA4 (2.5)	ATP13A1 (2.4)
0.27 >=0.20	BCAM (5.4)	PVRL2 (4.3)	CBLC (4.3)
0.27 >=0.20	NUP93 (3.1)	TOP1 (3.1)	NOP58 (2.9)
0.27 >=0.20	CILP2 (3.1)	CYP26A1 (2.6)	MAMSTR (2.1)
0.27 >=0.20	SLC22A2 (3.8)	LPL (3.2)	PMFBP1 (2.8)
0.27 >=0.20	ZNF513 (2.2)	FGF21 (2.0)	IZUMO1 (1.8)
0.27 >=0.20	LIPG (4.3)	PBX4 (3.1)	C17orf57 (3.0)
0.27 >=0.20	TIMD4 (3.7)	LPA (3.2)	GMIP (3.1)
0.27 >=0.20	POC5 (2.5)	USP1 (2.1)	BUD13 (2.0)
0.27 >=0.20	SUGP1 (4.0)	DHX38 (4.0)	BUD13 (3.4)
0.27 >=0.20	ST3GAL4 (3.0)	LPAR2 (2.5)	ZNF513 (2.4)
0.27 >=0.20	NOP58 (4.7)	ZNF259 (2.8)	KPNB1 (2.6)
0.27 >=0.20	TOP1 (3.3)	NOP58 (3.1)	USP1 (3.0)
0.27 >=0.20	SMARCA4 (3.3)	NUP93 (3.1)	DHX38 (3.0)
0.27 >=0.20	CBLC (5.8)	KRTCAP3 (3.7)	FUT1 (3.5)
0.27 >=0.20	DHX38 (3.7)	SUGP1 (3.4)	NUP93 (3.3)
0.27 >=0.20	ENSG00000226645 (3	ABO (2.6)	GPR61 (2.5)
0.27 >=0.20	APOA4 (3.6)	ENSG00000226645 (2	TRIB1 (2.5)
0.27 >=0.20	PVRL2 (3.5)	BCAM (3.1)	SLC44A2 (2.9)
0.27 >=0.20	ABCG8 (4.4)	GSTM4 (3.9)	ABCG5 (3.7)
0.27 >=0.20	PGS1 (3.2)	LPAR2 (2.7)	GMIP (2.6)
0.27 >=0.20	TRIM54 (5.2)	SYPL2 (3.1)	PLCG1 (2.6)
0.27 >=0.20	CYP26A1 (3.3)	PVRL2 (2.9)	TRIB1 (2.6)
0.27 >=0.20	DARS (2.2)	ST3GAL4 (2.1)	PMFBP1 (2.1)
0.27 >=0.20	SARS (5.2)	FGF21 (4.0)	PVR (3.4)
0.27 >=0.20	TOP1 (2.4)	MYLIP (2.3)	MAP3K4 (2.3)
0.27 >=0.20	C19orf52 (3.0)	GSTM4 (2.9)	AMIGO1 (2.5)
0.27 >=0.20	CARM1 (4.2)	ZNF821 (3.2)	EHBP1 (2.9)
0.27 >=0.20	FUT1 (3.4)	ANGPTL3 (2.1)	CELSR2 (2.1)
0.27 >=0.20	PGS1 (3.0)	COL4A3BP (2.1)	MAP3K4 (1.9)
0.27 >=0.20	PSMA5 (5.6)	UBXN4 (3.4)	NUP93 (3.0)
0.27 >=0.20	SUGP1 (3.4)	DHX38 (3.3)	BUD13 (3.3)
0.27 >=0.20	MCM6 (6.1)	USP1 (5.3)	FEN1 (5.3)
0.27 >=0.20	NOP58 (3.3)	TOP1 (3.2)	PPM1G (3.2)
0.28 >=0.20	MYLIP (2.4)	NFE2L3 (2.4)	CYB561D1 (2.4)
0.28 >=0.20	TOP1 (3.3)	SMARCA4 (3.3)	NUP93 (3.0)
0.28 >=0.20	RELB (3.3)	GNAI3 (2.4)	ENSG00000244861 (2
0.28 >=0.20	SLC22A2 (3.6)	TM6SF2 (3.4)	FUT2 (2.7)
0.28 >=0.20	MAP3K4 (3.2)	USP1 (3.1)	TOP1 (2.3)
0.28 >=0.20	CBLC (6.0)	KRTCAP3 (3.8)	FUT1 (3.4)
0.28 >=0.20	CILP2 (3.8)	GSTM5 (2.4)	ABO (2.2)
0.28 >=0.20	SMARCA4 (3.3)	TOP1 (3.2)	NUP93 (2.7)
0.28 >=0.20	NOP58 (3.2)	NUP93 (3.0)	TOP1 (2.9)
0.28 >=0.20	GDF5 (6.3)	NYNRIN (2.9)	CILP2 (2.9)
0.28 >=0.20	CYB561D1 (2.2)	RASIP1 (1.9)	TRIB1 (1.8)

0.28	>=0.20	BMPR2 (2.6)	UBXN4 (2.3)	NOP58 (2.3)
0.28	>=0.20	APOE (2.9)	LPL (2.5)	KRTCAP3 (2.4)
0.28	>=0.20	DNAH11 (2.6)	ENSG00000231204 (2	NFE2L3 (2.1)
0.28	>=0.20	SNX17 (2.6)	MAP3K4 (2.5)	GATAD2A (2.2)
0.28	>=0.20	IZUMO1 (2.8)	OASL (2.7)	ABCA6 (2.3)
0.28	>=0.20	DOCK7 (3.3)	PVRL2 (2.7)	SLC44A2 (2.6)
0.28	>=0.20	OASL (4.7)	PARP10 (3.5)	NFE2L3 (3.0)
0.28	>=0.20	GNAI3 (2.3)	DOCK6 (2.2)	RAB3GAP1 (2.1)
0.28	>=0.20	ERGIC3 (3.9)	TRAM2 (2.3)	APOA4 (2.2)
0.28	>=0.20	CARM1 (3.6)	BMPR2 (2.5)	LPAR2 (2.5)
0.28	>=0.20	IFT172 (2.9)	NYNRIN (2.8)	ENSG00000236436 (2
0.28	>=0.20	NCAN (4.7)	ABCG8 (3.2)	HAPLN4 (2.7)
0.28	>=0.20	ATP13A1 (3.4)	C19orf52 (3.1)	CARM1 (2.7)
0.28	>=0.20	MYLIP (2.5)	RELB (2.4)	BMPR2 (2.1)
0.28	>=0.20	ST3GAL4 (2.6)	ATXN1L (2.5)	PARP10 (2.4)
0.28	>=0.20	NUP93 (3.2)	TOP1 (3.1)	NOP58 (2.9)
0.28	>=0.20	GCKR (2.4)	FNDC4 (2.3)	TXNL4B (2.2)
0.28	>=0.20	CETP (2.7)	BCAM (2.4)	R3HDM1 (2.4)
0.28	>=0.20	LPAL2 (3.7)	LPA (3.1)	FGF21 (3.0)
0.28	>=0.20	PLEC (4.3)	RASIP1 (3.1)	DOCK6 (3.1)
0.28	>=0.20	RELB (5.3)	PLEC (3.0)	PVR (2.4)
0.28	>=0.20	SARS (4.2)	NPEPPS (2.7)	NUP93 (2.5)
0.28	>=0.20	GPAM (3.4)	LPL (2.9)	FER1L4 (2.8)
0.28	>=0.20	RELB (3.5)	GMIP (3.2)	NFE2L3 (2.5)
0.28	>=0.20	MAFB (4.9)	TIMD4 (3.0)	CETP (2.9)
0.28	>=0.20	SMARCA4 (3.4)	CARM1 (3.3)	TOP1 (3.3)
0.28	>=0.20	MYLIP (2.7)	USP24 (2.4)	AMIGO1 (2.2)
0.28	>=0.20	DNAH11 (3.3)	ENSG00000235545 (2	HNF4A (2.5)
0.28	>=0.20	TRIB1 (3.4)	PVR (3.2)	TRIM54 (3.1)
0.28	>=0.20	C19orf80 (2.0)	ENSG00000231204 (2	CILP2 (1.8)
0.28	>=0.20	DHX38 (3.8)	TOP1 (3.2)	NUP93 (3.1)
0.28	>=0.20	CEP250 (2.6)	C19orf52 (2.3)	PARP10 (2.1)
0.28	>=0.20	SLC22A2 (3.1)	ATXN7L2 (2.4)	TRAM2 (2.1)
0.28	>=0.20	TSSK6 (4.4)	SPATC1 (3.0)	C19orf52 (2.6)
0.28	>=0.20	COL4A3BP (2.6)	GNAI3 (2.5)	C19orf52 (2.4)
0.28	>=0.20	LPL (5.5)	GMIP (3.7)	APOE (3.5)
0.28	>=0.20	TRIM54 (7.0)	SYPL2 (6.1)	LPAR2 (1.8)
0.28	>=0.20	SUGP1 (3.2)	BUD13 (3.1)	ZNF259 (2.6)
0.28	>=0.20	CILP2 (4.9)	LPL (3.0)	GDF5 (2.9)
0.28	>=0.20	DHX38 (4.5)	SUGP1 (4.0)	SMARCA4 (3.3)
0.28	>=0.20	PGS1 (2.9)	COL4A3BP (2.1)	MAP3K4 (1.8)
0.28	>=0.20	ABO (3.2)	TSSK6 (2.2)	RASIP1 (2.0)
0.28	>=0.20	TRIB1 (2.9)	BCAM (2.5)	KANK2 (2.1)
0.28	>=0.20	BUD13 (4.3)	SUGP1 (3.9)	IST1 (3.1)
0.28	>=0.20	PGS1 (2.8)	COL4A3BP (2.3)	MAP3K4 (2.0)
0.28	>=0.20	DOCK7 (2.3)	ATXN1L (2.2)	ABCA1 (2.0)
0.28	>=0.20	OASL (4.9)	R3HDM1 (2.7)	BUD13 (2.6)
0.28	>=0.20	C17orf57 (3.7)	GPR61 (2.7)	LCT (2.4)
0.28	>=0.20	NOP58 (2.8)	DARS (2.3)	ERGIC3 (2.2)
0.28	>=0.20	RP1 (13.3)	GNAT2 (9.6)	ENSG00000235545 (2

0.28 >=0.20	RELB (4.1)	CLPTM1 (3.5)	ERGIC3 (2.5)
0.28 >=0.20	CARM1 (5.1)	NYNRIN (3.7)	NCAN (3.4)
0.28 >=0.20	MAU2 (2.6)	MAP3K4 (2.3)	C12orf43 (2.3)
0.28 >=0.20	MCM6 (4.8)	USP1 (4.5)	FEN1 (4.5)
0.28 >=0.20	BCAM (3.8)	TRAM2 (2.8)	NYNRIN (2.3)
0.28 >=0.20	GRINA (2.7)	FADS2 (2.7)	ZNF513 (2.7)
0.28 >=0.20	TSSK6 (2.7)	ATP13A1 (2.1)	HAVCR1 (2.1)
0.28 >=0.20	IST1 (3.1)	NPEPPS (2.9)	GRINA (2.9)
0.28 >=0.20	RELB (9.0)	NFE2L3 (3.9)	PBX4 (2.4)
0.28 >=0.20	RELB (9.0)	NFE2L3 (3.9)	PBX4 (2.4)
0.28 >=0.20	NYNRIN (2.7)	CEP250 (2.5)	CELSR2 (2.1)
0.28 >=0.20	MCM6 (6.0)	FEN1 (5.3)	USP1 (4.2)
0.28 >=0.20	SLC22A2 (4.1)	ENSG00000226622 (2	ABCA5 (2.6)
0.28 >=0.20	YIPF2 (3.7)	TOMM40 (2.6)	ERGIC3 (2.3)
0.28 >=0.20	RELB (8.8)	OASL (7.0)	PARP10 (5.6)
0.28 >=0.20	NUP93 (3.0)	TOP1 (3.0)	USP1 (2.8)
0.28 >=0.20	RASIP1 (3.7)	DOCK6 (3.7)	ENSG00000226645 (3
0.28 >=0.20	TRIB1 (3.7)	CYP26A1 (3.5)	OTX1 (3.1)
0.28 >=0.20	CBLC (5.6)	KRTCAP3 (3.5)	FUT1 (3.1)
0.28 >=0.20	CBLC (5.5)	KRTCAP3 (3.8)	FUT1 (3.4)
0.28 >=0.20	MCM6 (6.0)	FEN1 (5.3)	PSMA5 (4.0)
0.29 >=0.20	GMIP (3.7)	COL4A3BP (3.1)	GATAD2A (2.4)
0.29 >=0.20	TRIM54 (7.1)	SYPL2 (4.2)	C11orf9 (2.1)
0.29 >=0.20	LDLR (7.1)	HMGCR (6.2)	FADS1 (6.1)
0.29 >=0.20	KPNB1 (3.1)	MCM6 (3.1)	NRBP1 (3.0)
0.29 >=0.20	HNF1A (2.2)	CETP (1.7)	SORT1 (1.5)
0.29 >=0.20	TIMD4 (5.1)	CETP (2.6)	GMIP (2.4)
0.29 >=0.20	CLPTM1 (3.3)	GRINA (2.6)	PLCG1 (2.4)
0.29 >=0.20	RP1 (5.3)	GNAT2 (4.1)	OTX1 (3.3)
0.29 >=0.20	RELB (4.1)	PBX4 (2.0)	NFE2L3 (2.0)
0.29 >=0.20	PLEC (3.1)	PVRL2 (2.9)	SLC22A2 (2.9)
0.29 >=0.20	BUD13 (3.8)	NUP93 (3.2)	DHX38 (3.2)
0.29 >=0.20	ZRANB3 (4.5)	FEN1 (4.2)	MCM6 (3.9)
0.29 >=0.20	PARP10 (5.0)	OASL (4.8)	ZNF513 (4.3)
0.29 >=0.20	FADS1 (4.0)	ENSG00000226622 (2	KRTCAP3 (2.6)
0.29 >=0.20	CLPTM1 (4.6)	SUGP1 (3.1)	GATAD2A (2.8)
0.29 >=0.20	SARS (3.3)	DHODH (2.9)	FUT1 (2.3)
0.29 >=0.20	NOP58 (3.6)	DHX38 (2.5)	ZNF259 (2.4)
0.29 >=0.20	DNAH11 (2.9)	ENSG00000236267 (2	NFE2L3 (2.0)
0.29 >=0.20	C19orf52 (3.1)	BUD13 (2.8)	PGS1 (2.7)
0.29 >=0.20	GSTM4 (3.1)	FUT1 (2.7)	TXNL4B (2.6)
0.29 >=0.20	TRIB1 (3.5)	PGS1 (2.9)	LPL (2.7)
0.29 >=0.20	PSMA5 (2.0)	PGS1 (1.8)	NUP93 (1.8)
0.29 >=0.20	SMARCA4 (3.2)	DHX38 (3.1)	SUGP1 (3.0)
0.29 >=0.20	APOC1 (3.5)	C11orf9 (2.9)	APOE (2.4)
0.29 >=0.20	OTX1 (4.6)	SLC22A2 (2.6)	HNF4A (2.4)
0.29 >=0.20	CELSR2 (3.6)	OBP2B (2.8)	LIPG (2.5)
0.29 >=0.20	CLPTM1 (2.7)	PGS1 (2.6)	HAPLN4 (2.5)
0.29 >=0.20	MYLIP (2.9)	CYP26A1 (2.6)	NYNRIN (2.2)
0.29 >=0.20	BCAM (3.6)	PVRL2 (3.6)	ST3GAL4 (3.4)

0.29	>=0.20	DHX38 (2.5)	C19orf52 (2.4)	SUGP1 (2.2)
0.29	>=0.20	DHX38 (2.0)	PLCG1 (1.8)	ATXN7L2 (1.8)
0.29	>=0.20	FUT2 (2.5)	MYLIP (2.4)	HNF4A (2.2)
0.29	>=0.20	BUD13 (4.8)	ZNF259 (4.3)	FEN1 (2.5)
0.29	>=0.20	ATXN7L2 (3.3)	APOA5 (2.2)	APOC4 (2.0)
0.29	>=0.20	RP1 (7.9)	GNAT2 (7.4)	ENSG00000182329 (2
0.29	>=0.20	PSMA5 (3.1)	SUMO1 (3.0)	PPM1G (2.3)
0.29	>=0.20	PSMA5 (3.1)	SUMO1 (3.0)	PPM1G (2.3)
0.29	>=0.20	TRIM54 (6.9)	SYPL2 (3.4)	PLCG1 (1.7)
0.29	>=0.20	SARS (6.4)	RELB (4.0)	FGF21 (3.2)
0.29	>=0.20	SLC22A2 (2.8)	HNF1A (2.4)	FUT2 (2.2)
0.29	>=0.20	TXNL4B (2.6)	KPNB1 (2.3)	NPEPPS (2.3)
0.29	>=0.20	TXNL4B (2.6)	KPNB1 (2.3)	NPEPPS (2.3)
0.29	>=0.20	MAU2 (3.0)	ABCA5 (3.0)	NPEPPS (2.4)
0.29	>=0.20	SPATC1 (3.1)	ENSG00000226645 (3	ENSG00000236267 (2
0.29	>=0.20	ATP13A1 (3.1)	ENSG00000244861 (2	GSTM4 (2.1)
0.29	>=0.20	FUT2 (3.7)	ERGIC3 (3.3)	TRAM2 (2.8)
0.29	>=0.20	NFE2L3 (3.2)	APOE (2.9)	TIMD4 (2.6)
0.29	>=0.20	GMIP (2.9)	RELB (2.7)	POLK (2.4)
0.29	>=0.20	MAP3K4 (2.1)	ZRANB3 (2.1)	CEP250 (2.0)
0.29	>=0.20	FUT2 (3.2)	FEN1 (3.0)	USP1 (2.7)
0.29	>=0.20	DOCK7 (3.3)	BMPR2 (3.2)	ZNF821 (2.9)
0.29	>=0.20	HNF4A (4.0)	C11orf9 (3.5)	HNF1A (2.8)
0.29	>=0.20	TBKBP1 (2.9)	DOCK6 (2.5)	LPIN3 (2.2)
0.29	>=0.20	PSMA5 (5.2)	NUP93 (4.0)	PPM1G (3.1)
0.29	>=0.20	EHBP1 (3.6)	ABCA6 (2.9)	TRIB1 (2.4)
0.29	>=0.20	HP (2.4)	CILP2 (2.1)	NYNRIN (2.1)
0.29	>=0.20	SUGP1 (3.7)	ZRANB3 (3.2)	TOMM40 (2.9)
0.29	>=0.20	PSMA5 (6.2)	UBXN4 (3.5)	NFE2L3 (3.0)
0.29	>=0.20	DOCK6 (3.2)	ENSG00000226648 (3	RASIP1 (2.6)
0.29	>=0.20	CARM1 (3.8)	PLEC (3.4)	LPAR2 (3.1)
0.29	>=0.20	TM6SF2 (4.0)	APOA4 (3.6)	SLC22A2 (3.0)
0.29	>=0.20	BMPR2 (3.4)	ATXN1L (2.6)	ATXN7L2 (2.4)
0.29	>=0.20	ABO (2.3)	KANK2 (2.0)	MYLIP (1.9)
0.29	>=0.20	ENSG00000226622 (3	NYNRIN (2.5)	ABO (2.4)
0.29	>=0.20	BUD13 (2.8)	NPEPPS (2.6)	DHX38 (2.3)
0.29	>=0.20	IST1 (4.1)	TOP1 (3.1)	USP1 (2.8)
0.29	>=0.20	IST1 (4.1)	TOP1 (3.1)	USP1 (2.8)
0.29	>=0.20	IST1 (4.1)	TOP1 (3.1)	USP1 (2.8)
0.29	>=0.20	RELB (3.2)	NFE2L3 (3.1)	PARP10 (3.1)
0.29	>=0.20	CBLC (3.2)	BCAM (3.2)	ABCA6 (2.7)
0.29	>=0.20	SNX17 (3.0)	ATP13A1 (2.6)	YIPF2 (2.1)
0.29	>=0.20	MAFB (3.4)	GMIP (2.8)	TRIB1 (2.6)
0.29	>=0.20	OASL (4.6)	SLC22A3 (2.4)	PARP10 (2.1)
0.29	>=0.20	PLEC (3.3)	C11orf9 (2.9)	CARM1 (2.9)
0.29	>=0.20	DOCK7 (2.7)	ST3GAL4 (2.3)	CELSR2 (2.3)
0.29	>=0.20	KANK2 (2.8)	ENSG00000254235 (2	SLC44A2 (2.4)
0.29	>=0.20	DHX38 (3.4)	NUP93 (3.3)	BUD13 (3.2)
0.29	>=0.20	PARP10 (4.9)	OASL (3.1)	RELB (2.8)
0.29	>=0.20	OASL (5.3)	PARP10 (3.0)	GNAI3 (2.5)

0.29	>=0.20	PVRL2 (2.7)	BCAM (2.6)	CYP26A1 (2.4)
0.29	>=0.20	EHBP1 (3.0)	IGF2R (2.7)	IFT172 (2.3)
0.29	>=0.20	GNAI3 (3.4)	MAFB (3.3)	BMPR2 (3.1)
0.3	>=0.20	PSMA5 (6.2)	UBXN4 (3.6)	NFE2L3 (3.2)
0.3	>=0.20	ENSG00000256731 (4	LPAL2 (2.9)	ABO (2.4)
0.3	>=0.20	HAVCR1 (1.8)	ZNF513 (1.8)	ENSG00000236436 (1
0.3	>=0.20	RELB (8.8)	NFE2L3 (2.3)	CYB561D1 (2.2)
0.3	>=0.20	RP1 (12.7)	GNAT2 (8.5)	YSK4 (2.0)
0.3	>=0.20	TSSK6 (4.6)	ENSG00000228044 (4	CETP (3.1)
0.3	>=0.20	GRINA (3.3)	RELB (3.0)	NRBP1 (2.5)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	GDF5 (2.8)
0.3	>=0.20	ENSG00000254235 (2	CELSR2 (2.3)	ENSG00000226806 (2
0.3	>=0.20	HNF1A (2.4)	PCSK9 (1.9)	OTX1 (1.7)
0.3	>=0.20	TRIB1 (5.9)	PVR (3.0)	POLK (2.2)
0.3	>=0.20	RP1 (11.0)	GNAT2 (6.6)	ENSG00000235545 (2
0.3	>=0.20	LCT (3.3)	CYB561D1 (3.1)	TM6SF2 (2.5)
0.3	>=0.20	PLCG1 (3.9)	CBLC (2.4)	ENSG00000231204 (2
0.3	>=0.20	ENSG00000231204 (2	ZNF513 (2.2)	C17orf57 (2.1)
0.3	>=0.20	SLC22A2 (3.8)	KRTCAP3 (3.1)	MAFB (3.1)
0.3	>=0.20	NUP93 (3.1)	TOP1 (2.8)	SMARCA4 (2.7)
0.3	>=0.20	ENSG00000226648 (2	MYLIP (2.6)	ENSG00000254235 (2
0.3	>=0.20	DHODH (4.2)	ZNF259 (3.8)	BUD13 (3.4)
0.3	>=0.20	PSMA5 (3.5)	TOMM40 (3.1)	BUD13 (2.3)
0.3	>=0.20	HNF1A (2.3)	PCSK9 (1.7)	SORT1 (1.7)
0.3	>=0.20	TRIM54 (5.2)	TRIB1 (2.9)	SYPL2 (2.7)
0.3	>=0.20	CBLC (3.5)	CARM1 (3.2)	BMPR2 (2.4)
0.3	>=0.20	CETP (2.4)	LIPG (2.2)	RELB (2.1)
0.3	>=0.20	ZNF513 (2.6)	YIPF2 (2.3)	APOA4 (2.3)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	IZUMO1 (3.6)	DNAH11 (2.9)	HP (2.7)
0.3	>=0.20	FUT1 (2.1)	ZRANB3 (2.1)	ENSG00000231204 (2
0.3	>=0.20	HNF1A (2.8)	GNAT2 (2.7)	ABCG8 (2.4)
0.3	>=0.20	CILP2 (4.9)	GDF5 (4.6)	HMGCR (2.8)
0.3	>=0.20	CBLC (6.1)	KRTCAP3 (3.4)	LPAR2 (2.9)
0.3	>=0.20	SLC44A2 (4.7)	IST1 (3.2)	GRINA (3.1)
0.3	>=0.20	BCAM (2.9)	SLC44A2 (2.2)	ABCA6 (2.0)
0.3	>=0.20	OASL (10.7)	PARP10 (7.4)	RELB (5.8)
0.3	>=0.20	CYP26A1 (3.1)	MYLIP (2.6)	BCAM (2.4)

0.3	>=0.20	RELB (3.5)	ST3GAL4 (2.6)	PVRL2 (2.4)
0.3	>=0.20	ENSG00000231204 (2	FUT1 (2.6)	IST1 (2.5)
0.3	>=0.20	FUT2 (2.4)	CBLC (2.3)	APOC1 (2.3)
0.3	>=0.20	PLEC (2.9)	MAP3K4 (2.2)	ATXN1L (2.0)
0.3	>=0.20	TRIM54 (6.7)	SYPL2 (3.2)	BCAM (2.1)
0.3	>=0.20	PARP10 (3.0)	RELB (1.9)	CELSR2 (1.7)
0.3	>=0.20	CILP2 (5.8)	GDF5 (3.7)	FADS2 (3.5)
0.3	>=0.20	CLPTM1 (3.5)	FADS1 (3.3)	HMGCR (3.2)
0.3	>=0.20	CLPTM1 (3.5)	FADS1 (3.3)	HMGCR (3.2)
0.3	>=0.20	YIPF2 (3.5)	ATP13A1 (2.2)	KRTCAP3 (1.9)
0.3	>=0.20	ENSG00000228044 (3	ENSG00000235545 (3	KRTCAP3 (3.1)
0.3	>=0.20	SMARCA4 (3.1)	GNAI3 (2.5)	PSMA5 (2.1)
0.3	>=0.20	DHX38 (3.4)	ZNF259 (3.4)	BUD13 (3.1)
0.3	>=0.20	NRBP1 (3.1)	SNX17 (2.3)	SARS (2.2)
0.3	>=0.20	CETP (2.7)	FGF21 (2.7)	ABCA6 (2.4)
0.3	>=0.20	PSMA5 (6.3)	UBXN4 (4.6)	NFE2L3 (3.4)
0.3	>=0.20	ZNF513 (2.7)	MAU2 (2.0)	POLK (1.9)
0.3	>=0.20	USP24 (2.7)	CARM1 (2.7)	C17orf57 (2.6)
0.3	>=0.20	PGS1 (2.7)	COL4A3BP (2.3)	IZUMO1 (1.9)
0.3	>=0.20	NYNRIN (2.5)	CYP26A1 (1.8)	TRIB1 (1.8)
0.3	>=0.20	MAMSTR (3.2)	DNAH11 (2.7)	SYPL2 (2.6)
0.3	>=0.20	TRIB1 (3.5)	MCM6 (3.0)	FEN1 (2.8)
0.3	>=0.20	MYLIP (2.5)	ENSG00000254235 (2	FUT1 (2.2)
0.3	>=0.20	TOP1 (3.5)	GATAD2A (2.8)	NOP58 (2.7)
0.3	>=0.20	DNAH11 (2.7)	IZUMO1 (2.5)	ENSG00000228044 (2
0.3	>=0.20	OTX1 (3.6)	RP1 (3.6)	EHBP1 (2.6)
0.3	>=0.20	DHODH (3.3)	OASL (2.3)	C12orf43 (2.3)
0.3	>=0.20	DHX38 (3.3)	TOP1 (3.1)	SUGP1 (3.0)
0.3	>=0.20	NUP93 (3.2)	TOP1 (3.1)	BUD13 (3.0)
0.3	>=0.20	TRIB1 (4.3)	MAP3K4 (3.9)	GRINA (2.7)
0.3	>=0.20	PSMA5 (6.4)	UBXN4 (4.1)	NFE2L3 (3.6)
0.3	>=0.20	ENSG00000226645 (4	RELB (3.2)	ENSG00000228044 (2
0.3	>=0.20	NOP58 (3.8)	RELB (2.9)	USP1 (2.6)
0.3	>=0.20	GSTM4 (7.8)	GSTM5 (2.9)	KRTCAP3 (2.7)
0.3	>=0.20	ENSG00000228044 (2	ENSG00000231204 (1	ENSG00000235545 (1
0.3	>=0.20	TRIB1 (3.3)	MAFB (3.2)	PLCG1 (3.2)
0.3	>=0.20	PVRL2 (3.5)	ATXN1L (2.2)	LPIN3 (2.2)
0.3	>=0.20	RP1 (11.4)	GNAT2 (7.0)	OBP2B (1.9)
0.3	>=0.20	GATAD2A (2.8)	DOCK6 (2.4)	ZHX3 (2.3)
0.3	>=0.20	PSMA5 (3.3)	TOMM40 (3.0)	PPM1G (2.4)
0.3	>=0.20	ZNF821 (2.9)	FADS2 (2.8)	GATAD2A (2.7)
0.3	>=0.20	HMGCR (3.3)	ATP13A1 (2.9)	ERGIC3 (2.7)
0.3	>=0.20	RASIP1 (2.8)	BMPR2 (2.6)	LDLR (2.5)
0.3	>=0.20	PVRL2 (3.8)	CBLC (2.8)	BMPR2 (2.7)
0.3	>=0.20	ENSG00000226622 (4	ABO (2.4)	NYNRIN (2.3)
0.3	>=0.20	SUGP1 (3.5)	SMARCA4 (3.4)	TOP1 (3.4)
0.3	>=0.20	NFE2L3 (2.5)	LPAR2 (2.4)	SLC22A2 (2.0)
0.3	>=0.20	FEN1 (5.1)	MCM6 (5.1)	PSMA5 (4.2)
0.3	>=0.20	BUD13 (3.3)	SUGP1 (3.2)	DHX38 (3.1)
0.31	>=0.20	FUT2 (3.5)	PGS1 (3.3)	ST3GAL4 (2.9)

0.31	>=0.20	ENSG00000236436 (3	ENSG00000226622 (3	ENSG00000228044 (2
0.31	>=0.20	NCAN (4.5)	CELSR2 (4.4)	OTX1 (3.5)
0.31	>=0.20	RELB (2.8)	GMIP (2.2)	PBX4 (2.0)
0.31	>=0.20	ABCA6 (2.7)	ATXN7L2 (2.3)	C17orf57 (2.2)
0.31	>=0.20	GPR61 (3.8)	ATXN1L (2.4)	AMIGO1 (2.3)
0.31	>=0.20	SUGP1 (3.4)	PSMA5 (2.9)	UBXN4 (2.8)
0.31	>=0.20	CARM1 (3.9)	SMARCA4 (2.8)	CEP250 (2.4)
0.31	>=0.20	TXNL4B (2.7)	DHODH (2.5)	LPA (2.3)
0.31	>=0.20	OASL (2.8)	MAFB (2.5)	SLC22A2 (2.3)
0.31	>=0.20	PLEC (3.4)	GMIP (3.2)	LIPG (3.1)
0.31	>=0.20	MCM6 (6.2)	FEN1 (6.0)	USP1 (5.1)
0.31	>=0.20	C19orf52 (2.5)	CEP250 (2.4)	SUGP1 (2.3)
0.31	>=0.20	GMIP (2.7)	TIMD4 (2.7)	RELB (2.5)
0.31	>=0.20	CILP2 (2.6)	TRAM2 (2.3)	KANK2 (2.3)
0.31	>=0.20	KPNB1 (3.3)	SARS (3.1)	NRBP1 (3.0)
0.31	>=0.20	POLK (4.5)	PSRC1 (3.3)	FEN1 (2.1)
0.31	>=0.20	PLEC (4.5)	PVR (3.3)	BCAM (2.3)
0.31	>=0.20	OASL (2.6)	FUT2 (2.6)	ENSG00000235545 (2
0.31	>=0.20	OASL (2.6)	FUT2 (2.6)	ENSG00000235545 (2
0.31	>=0.20	GNAI3 (2.3)	GATAD2A (2.2)	NOP58 (2.2)
0.31	>=0.20	PVRL2 (3.9)	GNAI3 (2.7)	PVR (2.6)
0.31	>=0.20	APOC1 (2.8)	C19orf80 (2.5)	BCAM (2.4)
0.31	>=0.20	RP1 (6.1)	GNAT2 (3.8)	OBP2B (2.9)
0.31	>=0.20	PSMA5 (5.9)	UBXN4 (4.8)	NFE2L3 (3.1)
0.31	>=0.20	CLPTM1 (2.9)	TM6SF2 (2.9)	SLC22A1 (2.5)
0.31	>=0.20	TOMM40 (2.6)	CLPTM1 (2.5)	GRINA (2.2)
0.31	>=0.20	ATP13A1 (3.7)	PSMA5 (3.3)	YIPF2 (2.8)
0.31	>=0.20	SPATC1 (2.1)	ENSG00000228044 (1	PMFBP1 (1.8)
0.31	>=0.20	UBXN4 (5.2)	PPM1G (3.5)	NPEPPS (3.3)
0.31	>=0.20	HNF1A (2.3)	PCSK9 (1.6)	CETP (1.6)
0.31	>=0.20	C19orf52 (2.6)	AMIGO1 (2.1)	ST3GAL4 (2.0)
0.31	>=0.20	NOP58 (4.7)	ZNF259 (4.2)	DHODH (2.5)
0.31	>=0.20	NOP58 (4.7)	ZNF259 (4.2)	DHODH (2.5)
0.31	>=0.20	CILP2 (6.2)	C11orf9 (2.3)	OTX1 (1.7)
0.31	>=0.20	TRAM2 (4.8)	ENSG00000235545 (2	FADS2 (2.0)
0.31	>=0.20	CILP2 (3.9)	GMIP (3.4)	CETP (3.3)
0.31	>=0.20	C19orf80 (4.4)	LPL (2.6)	PBX4 (2.5)
0.31	>=0.20	PLEC (2.6)	GMIP (2.2)	EHBP1 (2.1)
0.31	>=0.20	DHODH (3.3)	ZNF259 (3.2)	SUGP1 (2.8)
0.31	>=0.20	SUGP1 (2.6)	BUD13 (2.5)	PPM1G (2.1)
0.31	>=0.20	LCT (4.3)	APOA4 (3.3)	TM6SF2 (3.3)
0.31	>=0.20	TOMM40 (2.8)	ATP13A1 (2.7)	C12orf43 (2.7)
0.31	>=0.20	PSRC1 (4.1)	FEN1 (3.4)	USP1 (2.7)
0.31	>=0.20	CILP2 (5.6)	NYNRIN (3.5)	GDF5 (3.4)
0.31	>=0.20	CBLC (5.9)	KRTCAP3 (4.0)	FUT1 (2.8)
0.31	>=0.20	NOP58 (4.2)	ZNF259 (3.9)	DHX38 (2.8)
0.31	>=0.20	KANK2 (4.7)	BMPR2 (4.2)	TRIB1 (2.9)
0.31	>=0.20	PSMA5 (5.2)	UBXN4 (4.8)	NFE2L3 (3.2)
0.31	>=0.20	FGF21 (3.4)	ST3GAL4 (2.9)	C19orf80 (2.2)
0.31	>=0.20	NOP58 (3.0)	ENSG00000236267 (1	GATAD2A (1.7)

0.31	>=0.20	ABCA1 (5.3)	TIMD4 (2.8)	GMIP (2.6)
0.31	>=0.20	HNF1A (3.6)	COL4A3BP (3.0)	LCT (2.8)
0.31	>=0.20	OASL (3.1)	GOT2P1 (2.9)	PGS1 (2.8)
0.31	>=0.20	ZNF821 (2.4)	ENSG00000236436 (2	NYNRIN (2.3)
0.31	>=0.20	LPL (3.4)	PVR (2.4)	ENSG00000244861 (2
0.31	>=0.20	SORT1 (2.2)	GSTM5 (2.0)	PVRL2 (1.9)
0.31	>=0.20	CBLC (5.7)	KRTCAP3 (3.6)	EHBP1 (2.5)
0.31	>=0.20	IGF2R (2.4)	AMPD2 (1.9)	PLEC (1.9)
0.31	>=0.20	RP1 (8.0)	GNAT2 (5.4)	ENSG00000182329 (2
0.31	>=0.20	ZNF821 (2.8)	TXNL4B (2.7)	C11orf9 (2.4)
0.31	>=0.20	GOT2P1 (3.2)	SNX17 (3.0)	IST1 (2.9)
0.31	>=0.20	GOT2P1 (2.0)	AMIGO1 (1.9)	HAPLN4 (1.8)
0.31	>=0.20	SLC22A2 (5.4)	HNF4A (3.3)	PLG (3.0)
0.31	>=0.20	RP1 (10.9)	GNAT2 (6.5)	NCAN (2.7)
0.31	>=0.20	OTX1 (3.8)	CYP26A1 (2.7)	GDF5 (2.4)
0.31	>=0.20	PLCG1 (3.7)	ENSG00000226806 (3	SLC22A3 (2.0)
0.32	>=0.20	ERGIC3 (4.2)	LIPG (3.9)	PCSK9 (2.5)
0.32	>=0.20	PSRC1 (3.1)	POC5 (2.7)	POLK (2.7)
0.32	>=0.20	ENSG00000228044 (3	ENSG00000254235 (3	ENSG00000226648 (2
0.32	>=0.20	OBP2B (2.4)	PVR (2.2)	LPAL2 (2.0)
0.32	>=0.20	USP1 (4.8)	ZRANB3 (4.3)	FEN1 (4.2)
0.32	>=0.20	OASL (4.1)	SUGP1 (4.1)	DHX38 (3.9)
0.32	>=0.20	OASL (4.1)	SUGP1 (4.1)	DHX38 (3.9)
0.32	>=0.20	TXNL4B (2.3)	C19orf52 (2.3)	POLK (2.2)
0.32	>=0.20	HNF1A (2.3)	CETP (1.6)	PCSK9 (1.6)
0.32	>=0.20	CILP2 (3.7)	CETP (3.2)	TIMD4 (3.2)
0.32	>=0.20	ERGIC3 (3.1)	NRBP1 (3.0)	MAU2 (2.8)
0.32	>=0.20	C19orf52 (2.6)	CEP250 (2.2)	DHX38 (2.1)
0.32	>=0.20	NRBP1 (2.5)	NFE2L3 (2.4)	GDF5 (1.9)
0.32	>=0.20	TOP1 (3.2)	SMARCA4 (2.7)	IST1 (2.6)
0.32	>=0.20	SMARCA4 (3.5)	BUD13 (3.4)	ATXN7L2 (3.0)
0.32	>=0.20	SLC22A2 (3.0)	NYNRIN (2.3)	BCAM (2.0)
0.32	>=0.20	BCAM (4.4)	RASIP1 (3.4)	DOCK6 (3.0)
0.32	>=0.20	ENSG00000254235 (4	SLC22A1 (3.6)	LPA (3.0)
0.32	>=0.20	PLEC (3.7)	ZHX3 (3.1)	BMPR2 (3.0)
0.32	>=0.20	PARP10 (2.9)	ATXN1L (2.2)	PGS1 (2.2)
0.32	>=0.20	TOMM40 (3.0)	DHODH (2.9)	PVR (2.6)
0.32	>=0.20	BCAM (2.9)	EHBP1 (2.9)	APOE (2.3)
0.32	>=0.20	TOP1 (3.4)	DHX38 (3.1)	NUP93 (3.0)
0.32	>=0.20	ABCA1 (2.7)	TIMD4 (2.3)	RELB (1.7)
0.32	>=0.20	HNF1A (2.4)	PCSK9 (1.6)	CETP (1.5)
0.32	>=0.20	SUGP1 (3.0)	DHX38 (2.7)	BUD13 (2.2)
0.32	>=0.20	BCAM (4.6)	PVRL2 (4.0)	C11orf9 (3.8)
0.32	>=0.20	TM6SF2 (4.7)	LCT (4.6)	APOA4 (4.1)
0.32	>=0.20	PARP10 (2.4)	SUMO1 (2.2)	PGS1 (2.1)
0.32	>=0.20	TOP1 (3.2)	NOP58 (2.9)	IST1 (2.9)
0.32	>=0.20	CARM1 (1.8)	SARS (1.8)	FUT1 (1.6)
0.32	>=0.20	POLK (2.8)	MYLIP (1.9)	NYNRIN (1.9)
0.32	>=0.20	MAP3K4 (3.1)	C19orf52 (2.3)	DHODH (2.1)
0.32	>=0.20	PSMA5 (5.4)	UBXN4 (3.1)	NUP93 (3.0)

0.32	>=0.20	PSMA5 (5.4)	UBXN4 (3.1)	NUP93 (3.0)
0.32	>=0.20	SUMO1 (3.5)	NOP58 (3.3)	DHX38 (3.2)
0.32	>=0.20	ENSG00000244861 (2	TBKBP1 (2.5)	MAFB (2.2)
0.32	>=0.20	PSMA5 (3.1)	NRBP1 (3.0)	RELB (2.7)
0.32	>=0.20	NOP58 (4.2)	TOMM40 (3.5)	KPNB1 (3.0)
0.32	>=0.20	PARP10 (2.1)	RELB (1.9)	NFE2L3 (1.7)
0.32	>=0.20	CEP250 (2.7)	SMARCA4 (2.6)	ZRANB3 (2.6)
0.32	>=0.20	GSTM4 (3.1)	YIPF2 (2.3)	C19orf52 (2.3)
0.32	>=0.20	CYP26A1 (2.4)	NYNRIN (2.4)	FADS2 (2.1)
0.32	>=0.20	RELB (5.4)	GMIP (4.0)	CETP (3.0)
0.32	>=0.20	TOP1 (3.2)	USP1 (2.9)	SMARCA4 (2.9)
0.32	>=0.20	LPA (3.8)	SLC22A1 (3.3)	APOC4 (3.1)
0.32	>=0.20	NOP58 (3.4)	KPNB1 (3.2)	SUGP1 (2.9)
0.32	>=0.20	ATXN1L (4.2)	PLEC (2.3)	ATP13A1 (2.2)
0.32	>=0.20	FUT2 (4.8)	ST3GAL4 (4.1)	SLC44A2 (2.7)
0.32	>=0.20	PSMA5 (2.6)	BUD13 (2.5)	TOMM40 (2.4)
0.32	>=0.20	ZNF821 (4.0)	PSRC1 (2.7)	FUT2 (2.3)
0.32	>=0.20	BMPR2 (4.6)	ZNF821 (2.8)	AMIGO1 (2.6)
0.32	>=0.20	SNX17 (3.2)	NRBP1 (3.1)	PLEC (2.9)
0.32	>=0.20	RELB (3.0)	ENSG00000254235 (2	BUD13 (2.0)
0.32	>=0.20	MCM6 (2.5)	C12orf43 (2.4)	ZRANB3 (2.3)
0.32	>=0.20	SUMO1 (3.2)	PSMA5 (2.9)	UBXN4 (2.5)
0.32	>=0.20	RELB (4.3)	TRIB1 (4.0)	PVR (2.7)
0.32	>=0.20	RELB (4.3)	TRIB1 (4.0)	PVR (2.7)
0.32	>=0.20	RELB (4.3)	TRIB1 (4.0)	PVR (2.7)
0.32	>=0.20	RELB (4.3)	TRIB1 (4.0)	PVR (2.7)
0.32	>=0.20	TSSK6 (3.4)	HAVCR1 (3.0)	KRTCAP3 (2.8)
0.32	>=0.20	TOP1 (3.1)	NUP93 (2.9)	NOP58 (2.9)
0.32	>=0.20	TOMM40 (3.1)	IFT172 (2.7)	CLPTM1 (2.5)
0.32	>=0.20	PLEC (4.3)	GATAD2A (3.0)	LPIN3 (2.6)
0.32	>=0.20	ABCA1 (2.8)	TIMD4 (2.8)	ENSG00000226622 (2
0.32	>=0.20	NOP58 (3.6)	KPNB1 (3.5)	SARS (3.3)
0.32	>=0.20	OASL (7.8)	PARP10 (3.4)	USP1 (2.3)
0.32	>=0.20	FUT1 (2.8)	CBLC (2.6)	RASIP1 (2.5)
0.33	>=0.20	FGF21 (3.4)	SARS (3.3)	GOT2P1 (2.4)
0.33	>=0.20	CLPTM1 (3.5)	MAU2 (2.4)	NPEPPS (2.4)
0.33	>=0.20	DOCK6 (3.2)	CELSR2 (2.8)	RASIP1 (2.7)
0.33	>=0.20	PGS1 (2.9)	COL4A3BP (2.0)	GDF5 (1.7)
0.33	>=0.20	GMIP (2.9)	LIPC (2.6)	SLC44A2 (2.4)
0.33	>=0.20	MAMSTR (3.4)	SYPL2 (2.7)	DNAH11 (2.6)
0.33	>=0.20	SLC22A2 (6.0)	TM6SF2 (4.5)	APOA4 (3.8)
0.33	>=0.20	CBLC (6.1)	PLEC (3.4)	FUT2 (2.3)
0.33	>=0.20	C19orf52 (3.1)	YIPF2 (2.5)	AMIGO1 (2.5)
0.33	>=0.20	C19orf52 (3.1)	YIPF2 (2.5)	AMIGO1 (2.5)
0.33	>=0.20	C19orf52 (3.1)	YIPF2 (2.5)	AMIGO1 (2.5)
0.33	>=0.20	TOP1 (3.0)	NOP58 (2.9)	DHX38 (2.7)
0.33	>=0.20	ENSG00000236436 (4	PGS1 (3.0)	ZNF513 (2.6)
0.33	>=0.20	C19orf52 (2.6)	CEP250 (2.5)	PARP10 (2.3)
0.33	>=0.20	NCAN (4.2)	ENSG00000226648 (2	C11orf9 (2.1)
0.33	>=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.4)

0.33 >=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.4)
0.33 >=0.20	GNAI3 (3.2)	TBKBP1 (2.4)	IST1 (2.4)
0.33 >=0.20	BCAM (3.2)	CBLC (2.8)	ABCA6 (2.7)
0.33 >=0.20	BCAM (3.2)	CBLC (2.8)	ABCA6 (2.7)
0.33 >=0.20	GSTM5 (2.4)	TBKBP1 (2.2)	ST3GAL4 (2.1)
0.33 >=0.20	ZNF259 (3.8)	NOP58 (3.1)	C12orf43 (3.1)
0.33 >=0.20	AMPD2 (3.2)	YIPF2 (2.8)	ATP13A1 (2.7)
0.33 >=0.20	SLC22A2 (5.7)	ATP13A1 (3.4)	TM6SF2 (3.1)
0.33 >=0.20	CYP26A1 (2.9)	HAPLN4 (2.8)	IGF2R (2.4)
0.33 >=0.20	CILP2 (4.3)	GDF5 (3.5)	IGF2R (2.7)
0.33 >=0.20	DNAH11 (2.5)	OBP2B (2.5)	ENSG00000182329 (2
0.33 >=0.20	USP1 (3.0)	HAVCR1 (2.2)	PSRC1 (2.1)
0.33 >=0.20	PGS1 (3.5)	COL4A3BP (2.3)	CETP (1.7)
0.33 >=0.20	PSRC1 (5.7)	FEN1 (4.3)	USP1 (4.0)
0.33 >=0.20	TRIM54 (3.8)	BCAM (3.1)	BMPR2 (2.7)
0.33 >=0.20	RELB (4.3)	TRIB1 (3.9)	PVR (2.8)
0.33 >=0.20	RELB (4.3)	TRIB1 (3.9)	PVR (2.8)
0.33 >=0.20	RELB (4.3)	TRIB1 (3.9)	PVR (2.8)
0.33 >=0.20	C19orf52 (2.3)	PARP10 (2.2)	DHX38 (2.2)
0.33 >=0.20	BUD13 (3.2)	PPM1G (3.0)	NPEPPS (2.9)
0.33 >=0.20	BUD13 (3.2)	PPM1G (3.0)	NPEPPS (2.9)
0.33 >=0.20	PLEC (3.4)	KANK2 (3.2)	DOCK6 (2.7)
0.33 >=0.20	BUD13 (4.3)	IST1 (3.5)	SUGP1 (3.4)
0.33 >=0.20	OBP2B (3.1)	DNAH11 (3.0)	ENSG00000236267 (2
0.33 >=0.20	USP24 (2.3)	APOC1 (2.1)	PCSK9 (1.9)
0.33 >=0.20	DARS (3.0)	KPNB1 (2.7)	PPM1G (2.6)
0.33 >=0.20	OTX1 (3.6)	ENSG00000231204 (2	RP1 (2.9)
0.33 >=0.20	TRIM54 (3.7)	FUT2 (2.6)	RASIP1 (2.5)
0.33 >=0.20	PLEC (2.4)	POLK (2.0)	PVRL2 (1.8)
0.33 >=0.20	SYPL2 (3.1)	PLEC (2.4)	GOT2P1 (2.1)
0.33 >=0.20	CARM1 (4.7)	DHX38 (3.0)	R3HDM1 (3.0)
0.33 >=0.20	OTX1 (5.6)	CYP26A1 (3.4)	EHBP1 (2.1)
0.33 >=0.20	CLPTM1 (3.5)	RAB3GAP1 (3.5)	NRBP1 (3.2)
0.33 >=0.20	NRBP1 (2.9)	EHBP1 (2.7)	TOP1 (2.0)
0.33 >=0.20	GPR61 (2.8)	ENSG00000226622 (2	CELSR2 (1.9)
0.33 >=0.20	ABCA1 (3.5)	BCAM (2.5)	ZHX3 (2.2)
0.33 >=0.20	MAMSTR (6.3)	SYPL2 (5.1)	TRIM54 (4.2)
0.33 >=0.20	CEP250 (2.9)	FADS1 (2.7)	OBP2B (2.5)
0.33 >=0.20	USP24 (3.0)	COL4A3BP (2.7)	PLEC (2.6)
0.33 >=0.20	NPEPPS (3.2)	BUD13 (2.6)	GATAD2A (2.4)
0.33 >=0.20	NYNRIN (2.4)	DARS (2.3)	MAU2 (2.1)
0.33 >=0.20	UBXN4 (2.7)	USP24 (2.3)	YIPF2 (2.2)
0.33 >=0.20	OASL (5.7)	PARP10 (3.1)	TOP1 (2.8)
0.33 >=0.20	ENSG00000256731 (3	BMPR2 (3.0)	CYP26A1 (2.0)
0.33 >=0.20	MAU2 (2.7)	C19orf52 (2.7)	ENSG00000236267 (2
0.33 >=0.20	ZHX3 (2.7)	R3HDM1 (2.6)	RAB3GAP1 (2.5)
0.33 >=0.20	CEP250 (3.4)	NYNRIN (2.7)	RAB3GAP1 (2.7)
0.33 >=0.20	FNDC4 (2.6)	HAPLN4 (2.3)	ABCA6 (2.2)
0.33 >=0.20	C19orf80 (2.1)	AMPD2 (2.0)	HAVCR1 (1.9)
0.33 >=0.20	MAFB (3.7)	LPL (3.2)	CILP2 (2.6)

0.33	>=0.20	LPAR2 (3.1)	PBX4 (2.8)	ENSG00000244861 (2
0.33	>=0.20	ENSG00000244861 (2	ENSG00000226648 (2	CEP250 (2.3)
0.33	>=0.20	GSTM5 (4.1)	ST3GAL4 (3.5)	ENSG00000226622 (3
0.33	>=0.20	YSK4 (7.5)	DNAH11 (4.5)	ENSG00000182329 (3
0.33	>=0.20	CEP250 (2.5)	DHX38 (2.1)	PARP10 (2.0)
0.33	>=0.20	RASIP1 (3.4)	DOCK6 (3.3)	BCAM (2.3)
0.33	>=0.20	RP1 (13.0)	GNAT2 (8.4)	ATXN7L2 (1.8)
0.33	>=0.20	TM6SF2 (3.2)	SLC22A1 (3.1)	GCKR (2.9)
0.33	>=0.20	NRBP1 (2.8)	GNAI3 (2.8)	FUT1 (2.6)
0.33	>=0.20	C19orf52 (3.6)	DHX38 (3.1)	SMARCA4 (3.1)
0.33	>=0.20	MCM6 (4.7)	FEN1 (3.8)	ZRANB3 (3.0)
0.33	>=0.20	SYPL2 (7.1)	TRIM54 (5.6)	MAMSTR (4.1)
0.33	>=0.20	PSRC1 (6.1)	ZRANB3 (3.4)	POC5 (3.1)
0.33	>=0.20	OASL (10.1)	PARP10 (3.7)	USP1 (2.4)
0.33	>=0.20	C12orf43 (2.3)	COL4A3BP (2.2)	ATXN1L (2.2)
0.33	>=0.20	CYP26A1 (3.6)	ABCA6 (2.7)	CBLC (2.6)
0.33	>=0.20	GNAI3 (2.8)	PVRL2 (2.5)	PLEC (2.4)
0.33	>=0.20	ATXN1L (3.6)	ZHX3 (2.8)	ENSG00000226806 (2
0.34	>=0.20	IST1 (3.1)	NUP93 (2.7)	NOP58 (2.7)
0.34	>=0.20	NYNRIN (2.5)	KANK2 (2.5)	ATXN7L2 (2.3)
0.34	>=0.20	KANK2 (3.3)	LPIN3 (2.5)	ABCA1 (2.5)
0.34	>=0.20	CILP2 (4.8)	GDF5 (2.7)	BCAM (2.4)
0.34	>=0.20	TRIB1 (6.2)	MAFB (3.2)	FGF21 (3.2)
0.34	>=0.20	RELB (4.4)	GMIP (3.3)	PARP10 (3.0)
0.34	>=0.20	ENSG00000182329 (3	ENSG00000231204 (2	OBP2B (2.0)
0.34	>=0.20	PLEC (3.4)	DOCK6 (3.1)	LPIN3 (2.7)
0.34	>=0.20	ABO (3.9)	BCAM (3.3)	LPAL2 (2.5)
0.34	>=0.20	CILP2 (3.4)	NYNRIN (3.3)	OTX1 (2.6)
0.34	>=0.20	HAPLN4 (3.9)	APOE (2.4)	ABCA1 (2.2)
0.34	>=0.20	OTX1 (3.5)	GPR61 (2.2)	IST1 (2.0)
0.34	>=0.20	RELB (3.6)	GRINA (2.6)	CLPTM1 (2.4)
0.34	>=0.20	GNAT2 (5.5)	RP1 (4.9)	SPATC1 (2.1)
0.34	>=0.20	MAFB (3.5)	ABCA6 (2.2)	MYLIP (2.2)
0.34	>=0.20	FER1L4 (2.2)	TRIM54 (2.1)	NYNRIN (1.9)
0.34	>=0.20	GOT2P1 (2.4)	PGS1 (2.0)	PBX4 (2.0)
0.34	>=0.20	IZUMO1 (3.6)	DNAH11 (2.5)	HP (2.4)
0.34	>=0.20	ENSG00000235545 (2	ENSG00000236436 (2	ENSG00000231204 (2
0.34	>=0.20	GSTM4 (3.6)	SLC22A3 (2.1)	SLC22A1 (2.0)
0.34	>=0.20	HNF1A (2.8)	OBP2B (2.3)	IZUMO1 (2.2)
0.34	>=0.20	SLC44A2 (3.1)	APOE (2.4)	PVR (2.2)
0.34	>=0.20	OBP2B (2.8)	SYPL2 (1.7)	YSK4 (1.7)
0.34	>=0.20	CELSR2 (3.3)	AMIGO1 (3.0)	ABCA5 (2.9)
0.34	>=0.20	CILP2 (4.5)	PLG (3.5)	LPL (3.5)
0.34	>=0.20	RELB (4.4)	TRIB1 (3.4)	PVR (3.3)
0.34	>=0.20	PVRL2 (3.8)	PLEC (3.7)	DOCK7 (2.0)
0.34	>=0.20	OASL (4.2)	MAP3K4 (3.3)	PARP10 (2.9)
0.34	>=0.20	OASL (4.2)	MAP3K4 (3.3)	PARP10 (2.9)
0.34	>=0.20	OASL (4.2)	MAP3K4 (3.3)	PARP10 (2.9)
0.34	>=0.20	OTX1 (3.5)	CYP26A1 (2.9)	ABO (2.8)
0.34	>=0.20	ENSG00000226622 (3	ABO (2.8)	NYNRIN (2.6)

0.34 >=0.20	CYP26A1 (2.8)	GRINA (2.6)	C11orf9 (2.3)
0.34 >=0.20	IZUMO1 (3.4)	PBX4 (2.5)	FER1L4 (2.1)
0.34 >=0.20	TRIM54 (7.6)	SYPL2 (7.5)	MAMSTR (4.1)
0.34 >=0.20	PGS1 (3.7)	RELB (3.3)	ABCA1 (2.9)
0.34 >=0.20	OASL (4.7)	ERGIC3 (3.7)	HNF1A (2.9)
0.34 >=0.20	ATP13A1 (3.3)	NUP93 (2.3)	SNX17 (2.1)
0.34 >=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)
0.34 >=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)
0.34 >=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)
0.34 >=0.20	SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)
0.34 >=0.20	TRIB1 (4.7)	NPEPPS (2.9)	MAP3K4 (2.7)
0.34 >=0.20	LPAL2 (2.9)	ABCA6 (2.7)	ENSG00000236436 (2
0.34 >=0.20	R3HDM1 (2.6)	USP24 (2.4)	GSTM5 (2.4)
0.34 >=0.20	LPL (3.6)	GPAM (3.1)	C19orf80 (3.0)
0.34 >=0.20	RASIP1 (6.2)	DOCK6 (4.0)	DNAH11 (3.0)
0.34 >=0.20	PLEC (2.2)	OTX1 (2.2)	TRAM2 (2.0)
0.34 >=0.20	CYP26A1 (2.5)	BCAM (2.3)	PBX4 (2.1)
0.34 >=0.20	NOP58 (5.3)	ZNF259 (4.5)	DARS (3.3)
0.34 >=0.20	LIPG (3.0)	GSTM4 (2.5)	CYP26A1 (2.1)
0.34 >=0.20	GSTM5 (3.9)	EHBP1 (3.0)	CELSR2 (2.4)
0.34 >=0.20	PLEC (3.1)	PLCG1 (2.5)	BMPR2 (2.3)
0.34 >=0.20	LPAR2 (3.0)	C11orf9 (2.8)	CYP26A1 (2.2)
0.34 >=0.20	COL4A3BP (3.4)	ABCA5 (3.0)	TBKBP1 (2.7)
0.34 >=0.20	SORT1 (2.3)	NCAN (2.2)	CELSR2 (2.1)
0.34 >=0.20	LDLR (3.1)	LIPG (3.0)	CELSR2 (2.6)
0.34 >=0.20	OASL (3.9)	PARP10 (2.7)	SARS (2.2)
0.34 >=0.20	HNF1A (2.3)	PCSK9 (1.8)	OTX1 (1.6)
0.34 >=0.20	BMPR2 (4.2)	PLCG1 (2.9)	MAP3K4 (2.6)
0.34 >=0.20	ZNF821 (3.6)	DHX38 (2.6)	CEP250 (2.4)
0.34 >=0.20	SMARCA4 (2.8)	ABCA5 (2.3)	C12orf43 (2.2)
0.34 >=0.20	RP1 (4.3)	OTX1 (2.7)	CELSR2 (2.5)
0.34 >=0.20	DHX38 (3.9)	SUGP1 (3.5)	TOP1 (3.3)
0.35 >=0.20	GNAI3 (3.0)	PPM1G (2.7)	IST1 (2.6)
0.35 >=0.20	ABCG8 (4.2)	ABCG5 (3.2)	HAPLN4 (3.2)
0.35 >=0.20	PGS1 (3.2)	GDF5 (2.0)	COL4A3BP (2.0)
0.35 >=0.20	OASL (10.2)	PARP10 (7.0)	NFE2L3 (3.0)
0.35 >=0.20	LPL (3.2)	ST3GAL4 (2.5)	SORT1 (2.4)
0.35 >=0.20	PLEC (3.1)	SORT1 (3.1)	PBX4 (2.5)
0.35 >=0.20	RASIP1 (4.7)	DOCK6 (3.6)	ENSG00000236436 (3
0.35 >=0.20	DHX38 (3.6)	SUGP1 (3.3)	BUD13 (3.1)
0.35 >=0.20	SLC22A2 (3.2)	DNAH11 (3.2)	ENSG00000254235 (2
0.35 >=0.20	POLK (4.3)	ZNF513 (3.0)	NPEPPS (2.6)
0.35 >=0.20	ZNF259 (3.2)	DHODH (2.7)	TOMM40 (2.5)
0.35 >=0.20	OTX1 (3.4)	HAVCR1 (2.5)	PSMA5 (2.2)
0.35 >=0.20	ABCA6 (4.0)	RELB (2.8)	NFE2L3 (2.5)
0.35 >=0.20	ENSG00000244861 (2	LIPG (2.5)	USP24 (2.3)
0.35 >=0.20	NOP58 (3.2)	UBXN4 (3.0)	TOP1 (2.9)
0.35 >=0.20	HAVCR1 (2.8)	ENSG00000228044 (2	ENSG00000231204 (2
0.35 >=0.20	RASIP1 (3.0)	RELB (2.4)	ZHX3 (2.1)
0.35 >=0.20	AMPD2 (3.1)	NFE2L3 (2.9)	GMIP (2.8)

0.35	>=0.20	TIMD4 (4.1)	RELB (3.5)	MAFB (3.0)
0.35	>=0.20	ENSG00000254235 (2	AMPD2 (2.9)	ENSG00000236267 (2
0.35	>=0.20	OBP2B (4.9)	C11orf9 (2.5)	YSK4 (1.9)
0.35	>=0.20	ENSG00000236267 (2	SLC22A3 (2.0)	USP24 (2.0)
0.35	>=0.20	PLEC (3.1)	SYPL2 (3.1)	TRIM54 (3.0)
0.35	>=0.20	FUT2 (2.3)	ABO (2.3)	HNF1A (2.3)
0.35	>=0.20	POC5 (3.3)	NUP93 (3.0)	BUD13 (2.7)
0.35	>=0.20	TRIM54 (2.7)	KANK2 (2.3)	GMIP (2.0)
0.35	>=0.20	YSK4 (1.9)	ENSG00000228044 (1	PVR (1.6)
0.35	>=0.20	PSRC1 (4.1)	MCM6 (2.7)	PVR (2.6)
0.35	>=0.20	PGS1 (3.0)	GSTM4 (2.2)	MAFB (2.0)
0.35	>=0.20	GMIP (3.3)	PGS1 (3.2)	BMPR2 (2.4)
0.35	>=0.20	SLC22A2 (3.4)	ZNF513 (2.1)	TRIB1 (2.0)
0.35	>=0.20	MAP3K4 (2.4)	GOT2P1 (1.7)	TM6SF2 (1.6)
0.35	>=0.20	LDLR (4.4)	FADS1 (3.5)	HMGCR (3.2)
0.35	>=0.20	DHX38 (4.2)	BUD13 (3.5)	GNAI3 (3.5)
0.35	>=0.20	MCM6 (5.5)	FEN1 (5.3)	PSMA5 (3.7)
0.35	>=0.20	PARP10 (2.7)	ATXN1L (2.6)	PGS1 (2.3)
0.35	>=0.20	CILP2 (5.0)	CYP26A1 (4.4)	GDF5 (2.6)
0.35	>=0.20	NOP58 (3.3)	ZNF259 (3.3)	C12orf43 (3.2)
0.35	>=0.20	DHODH (2.8)	GSTM4 (2.6)	GPAM (2.6)
0.35	>=0.20	SLC22A2 (3.3)	HNF1A (3.2)	HNF4A (2.9)
0.35	>=0.20	MYLIP (3.2)	CYP26A1 (2.2)	ENSG00000226622 (1
0.35	>=0.20	ABO (3.0)	GOT2P1 (2.9)	LPAL2 (2.5)
0.35	>=0.20	CETP (2.5)	PVR (2.3)	ENSG00000228044 (2
0.35	>=0.20	FEN1 (3.6)	MCM6 (3.5)	USP1 (3.3)
0.35	>=0.20	PLEC (3.6)	ZHX3 (2.9)	BMPR2 (2.9)
0.35	>=0.20	TBKBP1 (3.3)	RASIP1 (3.3)	DOCK6 (2.8)
0.35	>=0.20	PBX4 (2.5)	OBP2B (2.2)	IZUMO1 (1.9)
0.35	>=0.20	LIPG (3.1)	CETP (2.4)	PBX4 (2.4)
0.35	>=0.20	GDF5 (4.7)	CILP2 (4.4)	FNDC4 (2.1)
0.35	>=0.20	MCM6 (6.8)	FEN1 (6.1)	USP1 (5.3)
0.35	>=0.20	NFE2L3 (2.4)	TRIB1 (1.7)	PGS1 (1.7)
0.35	>=0.20	OTX1 (3.3)	NCAN (2.6)	MYLIP (2.3)
0.35	>=0.20	OBP2B (2.6)	CYP26A1 (2.5)	TBKBP1 (2.4)
0.35	>=0.20	HNF1A (2.1)	SORT1 (1.8)	UBXN4 (1.8)
0.35	>=0.20	CILP2 (2.3)	TBKBP1 (2.1)	IGF2R (2.0)
0.36	>=0.20	GPR61 (3.5)	DNAH11 (2.6)	LPL (1.6)
0.36	>=0.20	KPNB1 (3.4)	CARM1 (2.9)	RAB3GAP1 (2.6)
0.36	>=0.20	SARS (4.3)	FGF21 (4.0)	PGS1 (2.5)
0.36	>=0.20	ENSG00000226645 (4	TRIB1 (3.8)	TRAM2 (2.1)
0.36	>=0.20	FUT1 (2.6)	CELSR2 (2.2)	CBLC (1.9)
0.36	>=0.20	GMIP (3.9)	RELB (3.9)	MYLIP (2.6)
0.36	>=0.20	DOCK6 (4.3)	CELSR2 (3.3)	IGF2R (2.8)
0.36	>=0.20	CARM1 (4.7)	SMARCA4 (2.7)	MAP3K4 (2.6)
0.36	>=0.20	ZNF821 (2.8)	ZNF513 (2.5)	C19orf52 (2.2)
0.36	>=0.20	MYLIP (2.2)	ANGPTL3 (2.1)	SLC22A2 (2.0)
0.36	>=0.20	NOP58 (3.8)	ZNF259 (3.2)	ATP13A1 (3.0)
0.36	>=0.20	SYPL2 (3.6)	MAMSTR (3.2)	TRIM54 (3.2)
0.36	>=0.20	C17orf57 (3.8)	PLEC (3.0)	CBLC (2.8)

0.36 >=0.20	SLC22A3 (3.0)	ABO (2.7)	IST1 (2.5)
0.36 >=0.20	LPA (3.9)	RASIP1 (2.9)	IGF2R (2.6)
0.36 >=0.20	C12orf43 (2.9)	CARM1 (2.8)	GRINA (2.6)
0.36 >=0.20	SLC22A2 (6.9)	TM6SF2 (3.8)	HAPLN4 (2.7)
0.36 >=0.20	PSRC1 (6.0)	FEN1 (3.8)	ZRANB3 (3.4)
0.36 >=0.20	MAU2 (3.5)	SNX17 (2.8)	UBXN4 (2.8)
0.36 >=0.20	GSTM4 (3.0)	GPAM (2.7)	HNF4A (2.5)
0.36 >=0.20	UBXN4 (4.0)	PSMA5 (3.9)	NRBP1 (3.2)
0.36 >=0.20	MYLIP (3.7)	GRINA (2.9)	GNAI3 (2.0)
0.36 >=0.20	RELB (5.3)	ST3GAL4 (2.7)	GMIP (2.5)
0.36 >=0.20	NUP93 (3.5)	SMARCA4 (3.3)	MCM6 (2.9)
0.36 >=0.20	CBLC (6.1)	KRTCAP3 (4.1)	FUT1 (3.4)
0.36 >=0.20	CILP2 (2.7)	ABO (2.4)	ST3GAL4 (2.4)
0.36 >=0.20	SNX17 (3.7)	AMPD2 (3.5)	IST1 (3.3)
0.36 >=0.20	GOT2P1 (4.5)	LPAL2 (3.5)	ABO (3.2)
0.36 >=0.20	SARS (2.7)	DARS (2.4)	COL4A3BP (2.1)
0.36 >=0.20	MYLIP (3.1)	OTX1 (2.7)	ENSG00000226622 (2
0.36 >=0.20	IST1 (3.9)	TOP1 (3.4)	NOP58 (2.7)
0.36 >=0.20	IST1 (3.9)	TOP1 (3.4)	NOP58 (2.7)
0.36 >=0.20	LPAR2 (3.3)	TRAM2 (2.4)	CARM1 (2.3)
0.36 >=0.20	PARP10 (3.5)	OASL (2.2)	GRINA (1.7)
0.36 >=0.20	C12orf43 (3.1)	MCM6 (2.4)	BUD13 (2.3)
0.36 >=0.20	TRAM2 (3.1)	LPL (2.4)	MAFB (2.3)
0.36 >=0.20	NUP93 (2.8)	ENSG00000231204 (2	USP24 (2.6)
0.36 >=0.20	GMIP (3.2)	RAB3GAP1 (2.7)	DOCK6 (2.7)
0.36 >=0.20	PGS1 (2.6)	IZUMO1 (2.5)	PMFBP1 (2.2)
0.36 >=0.20	NRBP1 (2.9)	GNAI3 (2.3)	PLEC (2.2)
0.36 >=0.20	SUGP1 (3.6)	BUD13 (2.9)	SMARCA4 (2.9)
0.36 >=0.20	ATP13A1 (3.0)	SNX17 (2.6)	GSTM4 (2.3)
0.36 >=0.20	MCM6 (5.7)	FEN1 (5.4)	PSMA5 (4.3)
0.36 >=0.20	RAB3GAP1 (3.5)	CLPTM1 (3.4)	NRBP1 (3.1)
0.36 >=0.20	MCM6 (3.6)	FEN1 (3.6)	USP1 (3.1)
0.36 >=0.20	ZNF821 (2.7)	NRBP1 (2.5)	IST1 (2.5)
0.36 >=0.20	NYNRIN (4.5)	NRBP1 (2.9)	C11orf9 (2.6)
0.36 >=0.20	CILP2 (4.5)	ABCA1 (2.9)	HP (2.3)
0.36 >=0.20	CYP26A1 (2.7)	MYLIP (2.6)	ENSG00000226622 (1
0.36 >=0.20	GNAT2 (4.7)	RP1 (4.2)	HNF1A (2.1)
0.36 >=0.20	SARS (2.6)	DARS (2.6)	SNX17 (2.6)
0.36 >=0.20	C17orf57 (2.9)	COL4A3BP (1.8)	ENSG00000182329 (1
0.36 >=0.20	CYP26A1 (3.6)	MYLIP (2.5)	CILP2 (2.3)
0.36 >=0.20	TBKBP1 (1.9)	PLCG1 (1.9)	HAVCR1 (1.8)
0.36 >=0.20	PBX4 (3.0)	PLCG1 (2.4)	ENSG00000226806 (2
0.36 >=0.20	PSMA5 (6.0)	PARP10 (3.4)	NFE2L3 (3.0)
0.36 >=0.20	BMPR2 (2.8)	ABCA1 (2.8)	APOE (2.2)
0.36 >=0.20	HNF1A (2.8)	HNF4A (2.6)	C11orf9 (2.6)
0.36 >=0.20	PPM1G (2.8)	NUP93 (2.8)	NRBP1 (2.3)
0.36 >=0.20	NOP58 (5.0)	ZNF259 (3.6)	DARS (3.3)
0.36 >=0.20	PLEC (3.8)	GATAD2A (2.3)	DOCK6 (2.2)
0.36 >=0.20	PSMA5 (5.5)	UBXN4 (3.5)	NFE2L3 (2.9)
0.36 >=0.20	CILP2 (2.6)	FER1L4 (2.4)	APOE (2.3)

0.36	>=0.20	ZNF259 (3.4)	SUGP1 (2.9)	SARS (2.8)
0.36	>=0.20	POLK (1.9)	ENSG00000228044 (1	OASL (1.7)
0.36	>=0.20	TSSK6 (2.7)	PBX4 (2.4)	GATAD2A (2.3)
0.36	>=0.20	EHBP1 (3.0)	KANK2 (2.4)	GRINA (2.3)
0.36	>=0.20	TRIM54 (3.2)	DOCK6 (2.5)	KANK2 (2.1)
0.36	>=0.20	HAVCR1 (4.0)	OBP2B (3.4)	COL4A3BP (2.3)
0.36	>=0.20	CBLC (5.5)	LPAR2 (3.0)	KRTCAP3 (2.5)
0.37	>=0.20	ATXN1L (3.2)	PARP10 (2.9)	OASL (2.2)
0.37	>=0.20	C11orf9 (4.2)	PLEC (3.8)	TRAM2 (3.0)
0.37	>=0.20	RASIP1 (3.3)	DOCK6 (3.0)	SLC44A2 (1.9)
0.37	>=0.20	LDLR (2.9)	OTX1 (2.6)	TRAM2 (2.5)
0.37	>=0.20	RP1 (6.8)	GNAT2 (6.5)	PMFBP1 (1.7)
0.37	>=0.20	GATAD2A (3.4)	PLEC (2.8)	BCAM (2.6)
0.37	>=0.20	MAFB (3.0)	ABCA1 (2.2)	KRTCAP3 (2.2)
0.37	>=0.20	CBLC (5.8)	KRTCAP3 (4.0)	FUT1 (3.3)
0.37	>=0.20	PGS1 (3.5)	PBX4 (2.7)	ENSG00000228044 (2
0.37	>=0.20	PGS1 (3.5)	PBX4 (2.7)	ENSG00000228044 (2
0.37	>=0.20	ATP13A1 (3.2)	SNX17 (2.7)	NUP93 (1.9)
0.37	>=0.20	RASIP1 (2.6)	OBP2B (2.4)	HP (2.2)
0.37	>=0.20	ENSG00000231204 (2	PVRL2 (2.4)	KRTCAP3 (2.2)
0.37	>=0.20	NUP93 (3.1)	TOP1 (3.0)	NOP58 (2.6)
0.37	>=0.20	SLC22A2 (3.3)	ABCG8 (3.1)	SARS (3.1)
0.37	>=0.20	CILP2 (5.3)	GDF5 (3.7)	TRAM2 (2.1)
0.37	>=0.20	IST1 (2.8)	UBXN4 (2.3)	ABCA5 (2.2)
0.37	>=0.20	DOCK7 (2.9)	GATAD2A (2.9)	ENSG00000235545 (2
0.37	>=0.20	EHBP1 (2.4)	COL4A3BP (2.3)	HAPLN4 (2.2)
0.37	>=0.20	GMIP (2.8)	GRINA (2.7)	TBKBP1 (2.3)
0.37	>=0.20	SARS (5.1)	DHX38 (2.7)	SUGP1 (2.6)
0.37	>=0.20	USP1 (2.9)	R3HDM1 (2.4)	BUD13 (2.1)
0.37	>=0.20	SLC22A2 (6.7)	TM6SF2 (4.7)	APOA4 (3.3)
0.37	>=0.20	ENSG00000236436 (2	MYLIP (2.6)	OTX1 (2.6)
0.37	>=0.20	ATP13A1 (3.6)	DHX38 (3.5)	NUP93 (3.1)
0.37	>=0.20	NUP93 (3.3)	USP1 (2.7)	MAP3K4 (2.6)
0.37	>=0.20	CELSR2 (3.3)	OBP2B (2.9)	LIPG (2.1)
0.37	>=0.20	ENSG00000236436 (2	TRAM2 (2.2)	IZUMO1 (2.2)
0.37	>=0.20	ENSG00000226806 (3	APOA4 (3.5)	CELSR2 (3.3)
0.37	>=0.20	USP1 (2.5)	CARM1 (2.3)	FEN1 (2.1)
0.37	>=0.20	FNDC4 (3.0)	C11orf9 (2.6)	LIPG (2.6)
0.37	>=0.20	GMIP (2.9)	RELB (2.4)	ENSG00000226645 (2
0.37	>=0.20	RP1 (3.8)	RASIP1 (3.3)	LPL (2.4)
0.37	>=0.20	PVR (2.2)	LPAR2 (2.0)	TRIB1 (1.9)
0.37	>=0.20	ENSG00000226648 (2	ENSG00000231204 (2	HNF1A (2.2)
0.37	>=0.20	ENSG00000231204 (2	ENSG00000182329 (2	SYPL2 (2.1)
0.37	>=0.20	RP1 (2.9)	ENSG00000231204 (2	CYP26A1 (1.9)
0.37	>=0.20	OBP2B (3.9)	ABCA6 (2.3)	HAPLN4 (2.0)
0.37	>=0.20	CYP26A1 (3.8)	CILP2 (3.1)	PLEC (2.2)
0.37	>=0.20	C11orf9 (3.5)	PCSK9 (3.1)	APOA4 (3.1)
0.37	>=0.20	SARS (3.7)	ATP13A1 (3.2)	PSMA5 (2.9)
0.37	>=0.20	TOMM40 (3.6)	NOP58 (3.2)	PSMA5 (2.6)
0.37	>=0.20	RELB (3.5)	PBX4 (2.6)	FADS1 (2.6)

0.37	>=0.20	GPAM (3.7)	CLPTM1 (2.6)	RASIP1 (2.4)
0.37	>=0.20	PLG (3.7)	SLC22A1 (3.4)	ANGPTL3 (3.4)
0.37	>=0.20	ENSG00000254235 (3	SLC22A2 (3.2)	DNAH11 (3.0)
0.37	>=0.20	TOP1 (3.8)	DHX38 (3.5)	NOP58 (3.1)
0.37	>=0.20	IFT172 (2.4)	ENSG00000236436 (2	DHX38 (2.0)
0.37	>=0.20	TBKBP1 (3.4)	RASIP1 (3.3)	ENSG00000226622 (3
0.37	>=0.20	NYNRIN (4.0)	IFT172 (2.9)	DOCK7 (2.2)
0.37	>=0.20	ENSG00000256731 (7	HNF4A (4.1)	SLC22A2 (4.1)
0.37	>=0.20	NOP58 (3.1)	DARS (2.6)	GNAI3 (2.6)
0.37	>=0.20	FNDC4 (2.4)	DOCK6 (2.1)	FUT1 (2.0)
0.37	>=0.20	ENSG00000228044 (3	ENSG00000226648 (2	ENSG00000244861 (2
0.37	>=0.20	DHX38 (2.7)	ZNF259 (2.7)	ZNF513 (2.7)
0.37	>=0.20	NUP93 (2.7)	DHX38 (2.4)	IST1 (2.2)
0.37	>=0.20	CILP2 (3.4)	CYP26A1 (3.0)	NYNRIN (2.3)
0.37	>=0.20	MCM6 (8.2)	FEN1 (7.2)	USP1 (4.9)
0.37	>=0.20	RP1 (10.8)	GNAT2 (8.0)	FNDC4 (2.3)
0.37	>=0.20	MCM6 (6.5)	FEN1 (6.1)	USP1 (5.1)
0.37	>=0.20	NOP58 (3.4)	NUP93 (3.2)	TOP1 (3.0)
0.37	>=0.20	TRIB1 (6.4)	ZNF821 (2.1)	FER1L4 (2.0)
0.37	>=0.20	OBP2B (2.6)	ENSG00000226645 (2	ZNF513 (2.2)
0.37	>=0.20	SNX17 (3.7)	DARS (3.3)	KPNB1 (3.2)
0.37	>=0.20	NYNRIN (3.9)	OTX1 (3.6)	LIPG (2.8)
0.37	>=0.20	C12orf43 (3.3)	DHODH (3.3)	ZNF259 (2.7)
0.37	>=0.20	CYP26A1 (4.3)	ABO (2.6)	BCAM (2.2)
0.37	>=0.20	PLEC (2.8)	ENSG00000244861 (2	GNAI3 (2.1)
0.37	>=0.20	ENSG00000226806 (3	CBLC (2.8)	ERGIC3 (2.1)
0.37	>=0.20	PSRC1 (5.3)	FEN1 (4.3)	POC5 (3.8)
0.37	>=0.20	NRBP1 (2.8)	ABCA6 (2.6)	PLCG1 (2.0)
0.37	>=0.20	RELB (6.2)	PVR (3.1)	PARP10 (3.0)
0.37	>=0.20	BUD13 (3.4)	SMARCA4 (2.9)	TXNL4B (2.3)
0.37	>=0.20	BUD13 (3.4)	SMARCA4 (2.9)	TXNL4B (2.3)
0.37	>=0.20	BUD13 (3.4)	SMARCA4 (2.9)	TXNL4B (2.3)
0.37	>=0.20	NOP58 (4.2)	DARS (3.4)	SMARCA4 (3.4)
0.37	>=0.20	KPNB1 (3.2)	GATAD2A (3.1)	SNX17 (2.9)
0.37	>=0.20	TOMM40 (3.2)	KPNB1 (3.2)	PSMA5 (3.2)
0.37	>=0.20	GNAI3 (3.8)	TIMD4 (2.5)	RP1 (2.5)
0.37	>=0.20	CBLC (5.8)	PLEC (2.7)	YIPF2 (2.6)
0.37	>=0.20	LDLR (7.1)	FADS1 (6.6)	FADS2 (5.3)
0.37	>=0.20	TRIM54 (6.5)	SYPL2 (6.3)	MAMSTR (3.8)
0.37	>=0.20	CELSR2 (2.3)	ABCA5 (2.1)	LPL (1.9)
0.38	>=0.20	SYPL2 (5.8)	TRIM54 (5.8)	MAMSTR (3.7)
0.38	>=0.20	UBXN4 (2.8)	LPAL2 (2.7)	ENSG00000236267 (2
0.38	>=0.20	ENSG00000226622 (3	ENSG00000236267 (2	ENSG00000226648 (2
0.38	>=0.20	PLEC (3.2)	PVR (3.2)	GNAI3 (3.0)
0.38	>=0.20	ENSG00000235545 (3	ENSG00000254235 (2	ENSG00000236267 (2
0.38	>=0.20	HMGCR (7.2)	LDLR (7.0)	PCSK9 (6.8)
0.38	>=0.20	EHBP1 (2.9)	RAB3GAP1 (2.7)	GMIP (2.6)
0.38	>=0.20	ERGIC3 (3.1)	CLPTM1 (2.9)	NCAN (2.6)
0.38	>=0.20	CILP2 (7.7)	GDF5 (2.6)	IGF2R (2.4)
0.38	>=0.20	POLK (2.4)	YIPF2 (2.3)	AMPD2 (2.2)

0.38	>=0.20	GMIP (3.7)	OASL (2.6)	PARP10 (2.3)
0.38	>=0.20	CILP2 (5.3)	CYP26A1 (2.3)	FUT2 (2.1)
0.38	>=0.20	APOA4 (3.1)	LCT (3.0)	TM6SF2 (3.0)
0.38	>=0.20	RELB (4.4)	GMIP (2.4)	PSRC1 (2.0)
0.38	>=0.20	CBLC (5.0)	KRTCAP3 (3.6)	FUT1 (3.1)
0.38	>=0.20	NOP58 (3.0)	NRBP1 (3.0)	PPM1G (2.8)
0.38	>=0.20	TRIB1 (2.8)	PGS1 (1.9)	GMIP (1.7)
0.38	>=0.20	MCM6 (4.4)	USP1 (4.1)	FEN1 (4.0)
0.38	>=0.20	PMFBP1 (2.5)	FUT2 (2.2)	SUMO1 (2.1)
0.38	>=0.20	CYP26A1 (2.7)	FUT2 (2.3)	ENSG00000235545 (1
0.38	>=0.20	NFE2L3 (3.7)	PGS1 (2.7)	GRINA (2.1)
0.38	>=0.20	LCT (4.2)	PARP10 (3.0)	APOA4 (2.9)
0.38	>=0.20	ATP13A1 (3.8)	SNX17 (2.7)	YIPF2 (2.5)
0.38	>=0.20	FUT1 (2.0)	ENSG00000236267 (1	ENSG00000231204 (1
0.38	>=0.20	FUT1 (2.0)	ENSG00000236267 (1	ENSG00000231204 (1
0.38	>=0.20	TOMM40 (2.7)	SUGP1 (2.7)	ZNF259 (2.6)
0.38	>=0.20	RELB (3.9)	MAFB (3.3)	GMIP (2.3)
0.38	>=0.20	TRIB1 (3.3)	MAU2 (2.8)	MAFB (2.4)
0.38	>=0.20	BUD13 (3.3)	TOP1 (3.0)	NUP93 (2.9)
0.38	>=0.20	TIMD4 (3.8)	HP (2.6)	CETP (2.4)
0.38	>=0.20	SARS (4.4)	UBXN4 (4.3)	KPNB1 (4.0)
0.38	>=0.20	SLC22A2 (5.8)	BCAM (3.2)	TRIB1 (2.2)
0.38	>=0.20	RELB (3.1)	GMIP (3.0)	PARP10 (2.4)
0.38	>=0.20	ENSG00000236436 (3	BCAM (2.7)	HNF1A (2.3)
0.38	>=0.20	HNF1A (3.0)	ATXN7L2 (1.5)	OTX1 (1.5)
0.38	>=0.20	ABO (3.1)	GSTM5 (2.2)	OBP2B (1.9)
0.38	>=0.20	ATP13A1 (3.6)	YIPF2 (3.3)	ERGIC3 (2.3)
0.38	>=0.20	PARP10 (2.8)	GMIP (2.7)	PBX4 (1.9)
0.38	>=0.20	ZNF259 (3.7)	DARS (2.7)	TXNL4B (2.6)
0.38	>=0.20	DOCK6 (3.8)	ZHX3 (2.8)	RASIP1 (2.8)
0.38	>=0.20	NYNRIN (3.7)	OTX1 (3.5)	LPA (1.9)
0.38	>=0.20	CBLC (4.5)	KRTCAP3 (3.1)	PSRC1 (2.4)
0.38	>=0.20	FEN1 (5.4)	MCM6 (5.2)	PSRC1 (4.1)
0.38	>=0.20	CYP26A1 (3.9)	YSK4 (3.3)	ENSG00000226648 (3
0.38	>=0.20	FUT2 (3.2)	FER1L4 (2.7)	HNF1A (2.3)
0.38	>=0.20	YSK4 (7.5)	DNAH11 (5.7)	ENSG00000182329 (3
0.38	>=0.20	IGF2R (2.7)	USP24 (2.5)	GRINA (2.4)
0.38	>=0.20	NUP93 (3.0)	TOP1 (2.9)	NOP58 (2.8)
0.38	>=0.20	ENSG00000254235 (3	FGF21 (2.6)	GOT2P1 (2.6)
0.38	>=0.20	PARP10 (4.9)	OASL (3.7)	C12orf43 (2.1)
0.38	>=0.20	SARS (5.4)	FGF21 (3.1)	AMPD2 (3.0)
0.38	>=0.20	CBLC (4.2)	KRTCAP3 (3.0)	FUT1 (2.5)
0.38	>=0.20	DNAH11 (3.7)	ENSG00000231204 (2	GPR61 (2.5)
0.38	>=0.20	DHX38 (3.6)	NUP93 (3.2)	SMARCA4 (3.0)
0.38	>=0.20	BCAM (2.8)	TBKBP1 (2.7)	FER1L4 (2.7)
0.38	>=0.20	OASL (2.9)	FER1L4 (2.6)	C11orf9 (2.3)
0.38	>=0.20	ERGIC3 (4.2)	CLPTM1 (3.7)	KRTCAP3 (2.3)
0.38	>=0.20	MYLIP (3.3)	APOC1 (2.6)	MAMSTR (1.9)
0.38	>=0.20	NCAN (3.2)	SLC22A2 (2.8)	KRTCAP3 (2.5)
0.38	>=0.20	ZNF513 (3.7)	GRINA (2.7)	ZNF821 (2.6)

0.38	>=0.20	SMARCA4 (3.2)	UBXN4 (2.9)	TOMM40 (2.8)
0.38	>=0.20	ENSG00000226622 (2	ZNF513 (2.2)	GRINA (2.1)
0.38	>=0.20	ENSG00000226622 (2	ZNF513 (2.2)	GRINA (2.1)
0.38	>=0.20	ABCA6 (3.3)	GPR61 (2.2)	HAVCR1 (2.0)
0.38	>=0.20	OBP2B (3.4)	ABO (2.5)	TBKBP1 (2.4)
0.38	>=0.20	GMIP (3.8)	C17orf57 (2.7)	CYB561D1 (2.5)
0.38	>=0.20	FUT2 (3.2)	OTX1 (2.4)	PLEC (2.1)
0.38	>=0.20	RP1 (9.2)	GNAT2 (6.1)	NCAN (2.4)
0.38	>=0.20	GDF5 (3.1)	TRAM2 (2.7)	SLC44A2 (2.4)
0.38	>=0.20	NOP58 (3.6)	ZNF259 (3.2)	SARS (3.1)
0.38	>=0.20	GDF5 (2.8)	SLC44A2 (2.3)	TRAM2 (2.3)
0.38	>=0.20	SUGP1 (3.1)	DARS (3.0)	ATP13A1 (2.7)
0.38	>=0.20	KRTCAP3 (3.2)	LIPC (2.3)	EHBP1 (2.0)
0.38	>=0.20	ANGPTL3 (3.1)	APOC4 (3.0)	SLC22A2 (2.4)
0.39	>=0.20	CBLC (5.7)	KRTCAP3 (2.8)	LPAR2 (2.4)
0.39	>=0.20	DHX38 (4.3)	SUGP1 (3.2)	MAU2 (2.8)
0.39	>=0.20	USP1 (3.9)	MCM6 (3.3)	TRIB1 (2.6)
0.39	>=0.20	OASL (4.3)	RELB (3.1)	PARP10 (2.5)
0.39	>=0.20	GATAD2A (3.2)	NRBP1 (2.8)	GNAI3 (2.3)
0.39	>=0.20	C11orf9 (2.5)	NFE2L3 (2.5)	LPA (2.3)
0.39	>=0.20	SLC44A2 (2.3)	MAU2 (2.2)	SORT1 (2.2)
0.39	>=0.20	MAFB (3.2)	TIMD4 (2.2)	ABCA1 (2.2)
0.39	>=0.20	GMIP (3.3)	CEP250 (2.9)	LPAR2 (2.6)
0.39	>=0.20	YIPF2 (3.0)	ATP13A1 (2.7)	ERGIC3 (2.5)
0.39	>=0.20	CBLC (4.8)	KRTCAP3 (4.1)	FUT1 (2.9)
0.39	>=0.20	PGS1 (3.4)	COL4A3BP (2.8)	IZUMO1 (1.7)
0.39	>=0.20	ENSG00000228044 (4	ENSG00000236436 (3	PMFBP1 (2.7)
0.39	>=0.20	PGS1 (2.7)	CLPTM1 (1.7)	ENSG00000236267 (1
0.39	>=0.20	ZHX3 (3.0)	KPNB1 (2.7)	PLCG1 (2.4)
0.39	>=0.20	FEN1 (5.2)	MCM6 (4.6)	ZRANB3 (4.0)
0.39	>=0.20	SLC22A2 (4.8)	BCAM (2.3)	HNF4A (2.3)
0.39	>=0.20	MAFB (3.2)	TIMD4 (2.7)	PBX4 (2.3)
0.39	>=0.20	ABO (3.7)	LPIN3 (2.9)	NCAN (2.8)
0.39	>=0.20	TRIB1 (2.4)	COL4A3BP (2.4)	PVR (2.2)
0.39	>=0.20	LPL (2.7)	MAFB (2.5)	PLEC (2.5)
0.39	>=0.20	GNAI3 (4.4)	NRBP1 (3.3)	SUMO1 (2.5)
0.39	>=0.20	TRIB1 (3.8)	ENSG00000226645 (3	FER1L4 (3.1)
0.39	>=0.20	TSSK6 (5.7)	PMFBP1 (4.3)	PSRC1 (3.1)
0.39	>=0.20	HNF4A (3.6)	SLC22A3 (3.1)	APOC1 (2.7)
0.39	>=0.20	DHODH (3.1)	TXNL4B (2.9)	LIPG (2.5)
0.39	>=0.20	PPM1G (3.0)	NUP93 (2.8)	NRBP1 (2.6)
0.39	>=0.20	SUGP1 (4.2)	DHX38 (4.0)	BUD13 (3.2)
0.39	>=0.20	CILP2 (3.3)	LDLR (2.9)	CLPTM1 (2.5)
0.39	>=0.20	ABO (3.4)	C11orf9 (3.0)	ZNF821 (3.0)
0.39	>=0.20	BUD13 (2.7)	USP1 (2.4)	SUMO1 (2.1)
0.39	>=0.20	CYB561D1 (2.0)	DNAH11 (2.0)	ENSG00000231204 (1
0.39	>=0.20	PSMA5 (3.7)	NPEPPS (3.5)	NRBP1 (2.8)
0.39	>=0.20	PGS1 (2.9)	MAP3K4 (2.8)	RELB (2.7)
0.39	>=0.20	TRIB1 (7.8)	SARS (3.1)	FGF21 (2.8)
0.39	>=0.20	ABCA5 (2.6)	FADS1 (2.0)	LDLR (1.9)

0.39	>=0.20	RELB (3.6)	TIMD4 (3.0)	GMIP (2.8)
0.39	>=0.20	PGS1 (3.1)	ZHX3 (2.4)	MYLIP (2.3)
0.39	>=0.20	RP1 (9.3)	GNAT2 (5.3)	NCAN (2.4)
0.39	>=0.20	ZNF821 (3.4)	MYLIP (2.7)	TBKBP1 (2.5)
0.39	>=0.20	ENSG00000236267 (3	C12orf43 (2.6)	HAVCR1 (2.5)
0.39	>=0.20	FEN1 (2.6)	MCM6 (2.5)	PSRC1 (2.4)
0.39	>=0.20	NPEPPS (2.2)	MAFB (2.0)	DHX38 (1.9)
0.39	>=0.20	C11orf9 (3.4)	ZHX3 (3.0)	R3HDM1 (3.0)
0.39	>=0.20	GNAI3 (3.1)	PSMA5 (2.9)	DARS (2.7)
0.39	>=0.20	PARP10 (3.2)	OASL (3.1)	CYB561D1 (2.6)
0.39	>=0.20	TOP1 (3.6)	NOP58 (2.8)	PPM1G (2.8)
0.39	>=0.20	ABCA5 (2.3)	FGF21 (2.2)	ENSG00000235545 (1
0.39	>=0.20	ABCA5 (2.3)	FGF21 (2.2)	ENSG00000235545 (1
0.39	>=0.20	SYPL2 (6.9)	TRIM54 (5.1)	MAMSTR (3.9)
0.39	>=0.20	CARM1 (2.9)	BUD13 (2.6)	KPNB1 (2.6)
0.39	>=0.20	IZUMO1 (2.5)	DNAH11 (2.4)	NFE2L3 (2.4)
0.39	>=0.20	PSRC1 (3.2)	MCM6 (2.6)	FEN1 (2.6)
0.39	>=0.20	COL4A3BP (2.6)	CELSR2 (2.6)	PLEC (2.5)
0.39	>=0.20	SMARCA4 (2.9)	C12orf43 (2.3)	CLPTM1 (2.2)
0.39	>=0.20	BUD13 (3.5)	DHX38 (3.2)	NUP93 (3.0)
0.39	>=0.20	RELB (7.1)	GRINA (2.5)	NFE2L3 (2.3)
0.39	>=0.20	CYP26A1 (3.2)	CILP2 (2.3)	GDF5 (2.2)
0.39	>=0.20	CYP26A1 (4.4)	OTX1 (3.6)	LPA (2.7)
0.39	>=0.20	PPM1G (2.7)	SNX17 (2.4)	SUGP1 (2.3)
0.4	>=0.20	HNF1A (2.7)	KANK2 (2.4)	CYP26A1 (2.4)
0.4	>=0.20	PGS1 (2.6)	IZUMO1 (2.4)	PBX4 (2.3)
0.4	>=0.20	RP1 (6.3)	GNAT2 (3.0)	NCAN (2.6)
0.4	>=0.20	CLPTM1 (3.3)	FADS2 (2.5)	ATXN1L (2.3)
0.4	>=0.20	GRINA (2.8)	PARP10 (2.0)	OASL (1.7)
0.4	>=0.20	USP24 (2.7)	GMIP (2.4)	COL4A3BP (2.1)
0.4	>=0.20	SLC22A2 (6.5)	HNF4A (3.4)	ANGPTL3 (3.0)
0.4	>=0.20	KANK2 (3.5)	NYNRIN (3.1)	SLC22A3 (2.6)
0.4	>=0.20	RASIP1 (3.8)	DOCK6 (3.2)	NYNRIN (2.9)
0.4	>=0.20	OTX1 (3.4)	GDF5 (3.3)	CILP2 (2.2)
0.4	>=0.20	CILP2 (4.5)	CYP26A1 (4.4)	GDF5 (2.8)
0.4	>=0.20	SNX17 (3.1)	ERGIC3 (2.9)	YIPF2 (2.8)
0.4	>=0.20	SNX17 (3.1)	ERGIC3 (2.9)	YIPF2 (2.8)
0.4	>=0.20	GPR61 (4.1)	APOC4 (2.8)	LPA (2.5)
0.4	>=0.20	NCAN (2.1)	AMIGO1 (2.0)	NFE2L3 (1.9)
0.4	>=0.20	CEP250 (2.5)	C19orf52 (2.5)	GRINA (2.3)
0.4	>=0.20	PSMA5 (5.8)	UBXN4 (4.9)	NFE2L3 (3.3)
0.4	>=0.20	POLK (3.1)	C19orf52 (2.8)	AMIGO1 (2.2)
0.4	>=0.20	RELB (3.9)	NRBP1 (2.8)	CARM1 (2.3)
0.4	>=0.20	TRIM54 (5.5)	LPL (2.8)	SYPL2 (2.5)
0.4	>=0.20	RELB (3.3)	NFE2L3 (2.5)	TRIB1 (2.5)
0.4	>=0.20	FEN1 (2.7)	TOMM40 (2.7)	ERGIC3 (2.2)
0.4	>=0.20	CYP26A1 (4.2)	OTX1 (3.3)	ABO (3.1)
0.4	>=0.20	SLC22A2 (5.6)	CBLC (3.5)	FUT2 (3.5)
0.4	>=0.20	MAP3K4 (3.0)	ENSG00000231204 (2	ATXN7L2 (2.4)
0.4	>=0.20	CILP2 (3.2)	NYNRIN (2.7)	KANK2 (2.3)

0.4	>=0.20	ZHX3 (4.4)	PLCG1 (2.6)	LPL (2.2)
0.4	>=0.20	RASIP1 (3.2)	DOCK6 (3.1)	USP24 (2.9)
0.4	>=0.20	CYP26A1 (3.0)	DOCK7 (2.5)	ST3GAL4 (2.3)
0.4	>=0.20	MCM6 (4.3)	USP1 (3.9)	FEN1 (3.5)
0.4	>=0.20	NUP93 (3.3)	SMARCA4 (3.0)	TOP1 (2.8)
0.4	>=0.20	OASL (5.0)	MAFB (3.6)	NFE2L3 (2.6)
0.4	>=0.20	MCM6 (3.6)	FEN1 (3.3)	ZRANB3 (3.0)
0.4	>=0.20	ENSG00000226806 (2	GMIP (2.2)	PLCG1 (2.2)
0.4	>=0.20	AMPD2 (3.8)	TOP1 (3.2)	TOMM40 (3.1)
0.4	>=0.20	C17orf57 (3.4)	ENSG00000254235 (3	ENSG00000236267 (2
0.4	>=0.20	ERGIC3 (2.7)	IGF2R (2.6)	DHODH (2.5)
0.4	>=0.20	RELB (4.2)	TRIB1 (3.7)	OASL (3.4)
0.4	>=0.20	RELB (4.2)	TRIB1 (3.7)	OASL (3.4)
0.4	>=0.20	ENSG00000226622 (4	GSTM5 (2.8)	ENSG00000231204 (2
0.4	>=0.20	GMIP (3.2)	TIMD4 (2.9)	HP (2.9)
0.4	>=0.20	TOMM40 (3.1)	IST1 (2.1)	ENSG00000236436 (1
0.4	>=0.20	FNDC4 (3.8)	GSTM5 (3.7)	RAB3GAP1 (2.4)
0.4	>=0.20	ATXN7L2 (4.1)	BUD13 (3.6)	MAP3K4 (2.8)
0.4	>=0.20	OASL (5.0)	MAMSTR (2.8)	MAU2 (2.3)
0.4	>=0.20	PLEC (3.7)	GATAD2A (2.3)	GSTM4 (2.2)
0.4	>=0.20	CARM1 (4.1)	PLCG1 (3.2)	SMARCA4 (2.9)
0.4	>=0.20	FEN1 (5.8)	MCM6 (5.7)	USP1 (4.5)
0.4	>=0.20	ENSG00000228044 (3	ENSG00000226648 (2	ENSG00000244861 (2
0.4	>=0.20	CELSR2 (3.3)	BCAM (2.8)	PSRC1 (2.8)
0.4	>=0.20	TSSK6 (2.2)	ENSG00000235545 (2	ABCA6 (1.9)
0.4	>=0.20	CLPTM1 (3.4)	ATP13A1 (3.4)	ABCA5 (3.0)
0.4	>=0.20	MAP3K4 (3.4)	DHX38 (2.8)	BMPR2 (2.7)
0.4	>=0.20	IFT172 (2.9)	DARS (2.9)	FER1L4 (2.8)
0.4	>=0.20	CYP26A1 (3.0)	BCAM (2.8)	ABCA6 (2.8)
0.4	>=0.20	PARP10 (3.0)	ATXN1L (2.6)	PGS1 (2.2)
0.4	>=0.20	ENSG00000226645 (2	ZNF513 (2.8)	RELB (2.3)
0.4	>=0.20	GMIP (3.9)	SMARCA4 (2.4)	HAVCR1 (2.4)
0.4	>=0.20	ZNF259 (3.1)	RAB3GAP1 (3.0)	ATXN1L (2.4)
0.4	>=0.20	RELB (5.3)	SARS (3.7)	KPNB1 (2.7)
0.41	>=0.20	MAP3K4 (2.5)	KPNB1 (2.4)	YSK4 (2.1)
0.41	>=0.20	FER1L4 (2.7)	FUT1 (2.6)	MAU2 (2.6)
0.41	>=0.20	APOE (4.7)	LPL (2.7)	ENSG00000226648 (2
0.41	>=0.20	TRAM2 (2.9)	KRTCAP3 (2.5)	CILP2 (2.3)
0.41	>=0.20	PLEC (4.2)	CARM1 (3.1)	BMPR2 (2.9)
0.41	>=0.20	SMARCA4 (2.3)	FER1L4 (1.9)	PSRC1 (1.8)
0.41	>=0.20	MAU2 (4.4)	IST1 (4.2)	SUGP1 (3.2)
0.41	>=0.20	DNAH11 (2.9)	OBP2B (2.8)	GSTM5 (2.7)
0.41	>=0.20	NCAN (3.4)	SLC22A2 (3.2)	R3HDM1 (3.1)
0.41	>=0.20	CETP (3.8)	CLPTM1 (3.4)	TIMD4 (3.1)
0.41	>=0.20	PVRL2 (2.3)	GNAI3 (2.2)	SNX17 (2.1)
0.41	>=0.20	NOP58 (3.7)	ZNF259 (3.2)	AMPD2 (2.4)
0.41	>=0.20	KANK2 (3.2)	GNAI3 (2.6)	PLEC (2.6)
0.41	>=0.20	CARM1 (3.0)	GATAD2A (2.9)	TOP1 (2.8)
0.41	>=0.20	GDF5 (2.3)	TBKBP1 (2.0)	SPATC1 (1.9)
0.41	>=0.20	ABCA6 (3.4)	GPR61 (2.1)	HAVCR1 (2.1)

0.41 >=0.20	GPR61 (3.1)	CETP (2.9)	RP1 (2.5)
0.41 >=0.20	OTX1 (3.2)	ATXN7L2 (2.9)	PLCG1 (2.5)
0.41 >=0.20	TRIB1 (2.7)	LDLR (2.1)	FADS1 (2.0)
0.41 >=0.20	DHODH (3.6)	POC5 (2.7)	SUGP1 (2.2)
0.41 >=0.20	MAU2 (4.0)	SUGP1 (3.8)	DHX38 (3.8)
0.41 >=0.20	RELB (2.7)	PARP10 (2.3)	ST3GAL4 (2.2)
0.41 >=0.20	HP (3.0)	LPL (2.4)	PARP10 (2.2)
0.41 >=0.20	PLCG1 (4.0)	CEP250 (2.0)	MYLIP (1.8)
0.41 >=0.20	DHX38 (3.4)	BUD13 (3.3)	NUP93 (3.1)
0.41 >=0.20	ABCA6 (2.6)	C17orf57 (2.3)	PMFBP1 (2.1)
0.41 >=0.20	SMARCA4 (2.9)	C12orf43 (2.4)	SUGP1 (2.1)
0.41 >=0.20	PVRL2 (3.5)	TRIM54 (3.3)	KANK2 (3.3)
0.41 >=0.20	TRIB1 (5.2)	PVR (2.6)	POC5 (2.3)
0.41 >=0.20	USP24 (4.9)	ABCA1 (2.5)	GRINA (2.2)
0.41 >=0.20	USP24 (3.2)	SMARCA4 (2.7)	COL4A3BP (2.6)
0.41 >=0.20	PARP10 (6.2)	OASL (4.9)	RELB (3.3)
0.41 >=0.20	CLPTM1 (3.8)	TOMM40 (2.8)	GATAD2A (1.6)
0.41 >=0.20	CLPTM1 (3.8)	TOMM40 (2.8)	GATAD2A (1.6)
0.41 >=0.20	IZUMO1 (3.1)	PGS1 (3.0)	C17orf57 (2.5)
0.41 >=0.20	TOP1 (3.5)	IST1 (3.0)	NOP58 (2.9)
0.41 >=0.20	ZRANB3 (4.8)	MCM6 (4.2)	FEN1 (4.1)
0.41 >=0.20	LDLR (6.6)	FADS1 (5.6)	FADS2 (4.4)
0.41 >=0.20	CARM1 (4.4)	SMARCA4 (2.5)	GATAD2A (2.5)
0.41 >=0.20	APOE (2.1)	APOB (1.9)	PCSK9 (1.9)
0.41 >=0.20	PLCG1 (4.2)	GMIP (3.9)	LCT (3.4)
0.41 >=0.20	SLC44A2 (4.0)	KRTCAP3 (3.1)	BMPR2 (2.6)
0.41 >=0.20	ZNF513 (2.5)	ENSG00000226622 (2	MAFB (2.1)
0.41 >=0.20	ENSG00000244861 (2	C17orf57 (2.3)	ZNF513 (1.9)
0.41 >=0.20	DARS (2.9)	SUGP1 (2.9)	ATP13A1 (2.7)
0.41 >=0.20	RELB (8.4)	NFE2L3 (2.7)	GRINA (2.2)
0.41 >=0.20	SUGP1 (3.2)	NOP58 (2.4)	BUD13 (2.4)
0.41 >=0.20	GSTM4 (3.2)	ATP13A1 (2.5)	CYB561D1 (2.5)
0.41 >=0.20	UBXN4 (3.9)	PSMA5 (2.6)	NRBP1 (2.4)
0.41 >=0.20	ABCA6 (3.3)	CBLC (2.6)	NFE2L3 (2.6)
0.41 >=0.20	ERGIC3 (2.2)	NOP58 (2.1)	KPNB1 (2.0)
0.41 >=0.20	DOCK6 (3.0)	RASIP1 (2.9)	PLCG1 (2.6)
0.41 >=0.20	SLC22A2 (6.4)	ANGPTL3 (3.2)	SPATC1 (2.8)
0.41 >=0.20	GMIP (3.2)	HAPLN4 (2.3)	SLC44A2 (2.0)
0.41 >=0.20	RELB (4.4)	CETP (3.9)	TIMD4 (3.5)
0.41 >=0.20	YIPF2 (4.5)	C12orf43 (2.0)	ABCA6 (1.9)
0.42 >=0.20	MAFB (5.3)	APOE (3.0)	LPA (2.3)
0.42 >=0.20	ATXN1L (3.0)	C19orf80 (2.9)	MYLIP (2.2)
0.42 >=0.20	GDF5 (2.1)	CYP26A1 (2.0)	TBKBP1 (2.0)
0.42 >=0.20	POLK (3.1)	PSRC1 (2.3)	IFT172 (1.9)
0.42 >=0.20	APOA4 (5.6)	LCT (5.4)	TM6SF2 (4.8)
0.42 >=0.20	DHODH (3.2)	C19orf52 (2.7)	ABCG5 (2.2)
0.42 >=0.20	COL4A3BP (2.6)	POC5 (2.1)	DHX38 (2.1)
0.42 >=0.20	GMIP (2.8)	CEP250 (2.4)	USP24 (2.3)
0.42 >=0.20	MCM6 (7.6)	FEN1 (6.9)	USP1 (5.8)
0.42 >=0.20	C11orf9 (3.4)	ENSG00000236436 (2	ENSG00000228044 (2

0.42	>=0.20	LPAR2 (3.2)	CEP250 (3.1)	GMIP (3.1)
0.42	>=0.20	ENSG00000236267 (3	CYB561D1 (2.6)	TRAM2 (2.5)
0.42	>=0.20	CYP26A1 (4.7)	NYNRIN (2.9)	YSK4 (2.4)
0.42	>=0.20	SPATC1 (3.7)	ENSG00000226645 (2	IZUMO1 (2.0)
0.42	>=0.20	KRTCAP3 (2.2)	MAU2 (2.1)	LPAR2 (2.1)
0.42	>=0.20	KRTCAP3 (2.2)	MAU2 (2.1)	LPAR2 (2.1)
0.42	>=0.20	ATP13A1 (2.9)	SNX17 (2.8)	ERGIC3 (2.0)
0.42	>=0.20	ENSG00000228044 (2	ENSG00000256731 (2	ABCA6 (2.0)
0.42	>=0.20	PVR (3.6)	BMPR2 (2.7)	TRAM2 (2.4)
0.42	>=0.20	TOP1 (3.1)	SMARCA4 (3.1)	NUP93 (3.0)
0.42	>=0.20	SUGP1 (2.6)	COL4A3BP (2.6)	DARS (2.3)
0.42	>=0.20	RP1 (2.5)	PGS1 (2.4)	PMFBP1 (2.2)
0.42	>=0.20	RP1 (8.7)	GNAT2 (6.6)	OBP2B (2.3)
0.42	>=0.20	NYNRIN (3.8)	BCAM (3.6)	KANK2 (2.7)
0.42	>=0.20	PSMA5 (4.7)	UBXN4 (4.3)	NFE2L3 (3.0)
0.42	>=0.20	NYNRIN (5.5)	MAMSTR (4.5)	SYPL2 (3.6)
0.42	>=0.20	IGF2R (3.2)	FEN1 (2.7)	USP1 (2.7)
0.42	>=0.20	GNAT2 (6.0)	RP1 (4.9)	GSTM4 (2.0)
0.42	>=0.20	TRIB1 (3.1)	BMPR2 (2.7)	NYNRIN (2.6)
0.42	>=0.20	ABCA1 (3.2)	PGS1 (2.1)	RELB (2.0)
0.42	>=0.20	NRBP1 (3.0)	OASL (2.5)	PARP10 (2.1)
0.42	>=0.20	CARM1 (4.8)	SMARCA4 (2.8)	NYNRIN (2.6)
0.42	>=0.20	YSK4 (4.2)	COL4A3BP (3.4)	GNAI3 (2.4)
0.42	>=0.20	HNF1A (3.2)	TBKBP1 (2.3)	C11orf9 (2.2)
0.42	>=0.20	PLEC (3.0)	KANK2 (2.8)	GATAD2A (2.5)
0.42	>=0.20	CYP26A1 (2.6)	ENSG00000236436 (1	NYNRIN (1.8)
0.42	>=0.20	BMPR2 (3.9)	CYB561D1 (3.3)	DOCK6 (3.1)
0.42	>=0.20	ENSG00000226622 (5	FNDC4 (4.8)	ST3GAL4 (2.5)
0.42	>=0.20	TRIB1 (5.7)	GNAT2 (2.4)	NYNRIN (2.3)
0.42	>=0.20	TRIM54 (5.0)	ST3GAL4 (2.2)	RASIP1 (1.9)
0.42	>=0.20	OTX1 (6.2)	CYP26A1 (3.2)	NCAN (2.8)
0.42	>=0.20	SMARCA4 (5.0)	BUD13 (3.6)	PLCG1 (2.8)
0.42	>=0.20	C17orf57 (2.4)	CELSR2 (2.2)	ZHX3 (2.1)
0.42	>=0.20	OASL (3.8)	MCM6 (3.4)	FEN1 (3.2)
0.42	>=0.20	ENSG00000236436 (3	NYNRIN (2.9)	LPAR2 (2.7)
0.42	>=0.20	RAB3GAP1 (2.5)	SARS (2.2)	PGS1 (2.1)
0.42	>=0.20	ENSG00000236436 (2	ENSG00000244861 (2	ENSG00000231204 (1
0.42	>=0.20	PARP10 (2.7)	SARS (2.1)	HNF1A (2.1)
0.42	>=0.20	USP24 (3.9)	OASL (3.7)	NRBP1 (3.6)
0.42	>=0.20	SUGP1 (3.3)	DARS (3.2)	ZNF259 (3.1)
0.42	>=0.20	OTX1 (5.1)	CYP26A1 (3.4)	EHBP1 (2.9)
0.42	>=0.20	LCT (3.4)	APOA4 (3.1)	ABCG5 (3.0)
0.42	>=0.20	ENSG00000256731 (3	OBP2B (2.7)	ABO (2.6)
0.42	>=0.20	LPAR2 (3.4)	GMIP (2.9)	NPEPPS (2.2)
0.42	>=0.20	C19orf52 (2.9)	CARM1 (2.7)	UBXN4 (2.7)
0.42	>=0.20	ABCA5 (4.4)	PGS1 (2.5)	ZNF513 (2.0)
0.42	>=0.20	SLC22A2 (4.6)	HNF1A (2.4)	HNF4A (2.3)
0.42	>=0.20	MCM6 (3.9)	ZRANB3 (3.3)	ENSG00000235545 (2
0.42	>=0.20	CYP26A1 (3.6)	OTX1 (3.5)	PLCG1 (2.3)
0.42	>=0.20	ENSG00000226622 (4	GSTM5 (3.6)	TSSK6 (3.3)

0.42	>=0.20	NRBP1 (4.7)	SNX17 (3.9)	ERGIC3 (3.1)
0.42	>=0.20	FUT2 (4.8)	KRTCAP3 (2.6)	ENSG00000226622 (1
0.42	>=0.20	DHX38 (3.3)	IST1 (3.0)	ATP13A1 (2.7)
0.42	>=0.20	FGF21 (2.3)	IZUMO1 (2.2)	APOB (2.1)
0.43	>=0.20	TBKBP1 (3.7)	FUT1 (2.4)	ATXN7L2 (2.3)
0.43	>=0.20	BCAM (3.5)	TRIB1 (2.5)	CELSR2 (2.4)
0.43	>=0.20	SLC22A2 (5.5)	APOA4 (4.4)	TM6SF2 (3.5)
0.43	>=0.20	EHBP1 (2.7)	FUT2 (1.9)	NYNRIN (1.7)
0.43	>=0.20	ENSG00000226806 (4	GMIP (3.6)	TIMD4 (2.5)
0.43	>=0.20	ENSG00000236267 (2	LIPG (2.4)	KRTCAP3 (2.2)
0.43	>=0.20	MAFB (3.2)	ZNF821 (2.2)	C17orf57 (2.2)
0.43	>=0.20	MAFB (3.2)	ZNF821 (2.2)	C17orf57 (2.2)
0.43	>=0.20	MYLIP (3.4)	TRIB1 (2.5)	NYNRIN (2.0)
0.43	>=0.20	GOT2P1 (3.1)	GPR61 (2.4)	LPAL2 (2.2)
0.43	>=0.20	ZNF259 (4.1)	SUGP1 (3.8)	NOP58 (3.4)
0.43	>=0.20	CYP26A1 (3.6)	GATAD2A (2.4)	BMPR2 (2.4)
0.43	>=0.20	PGS1 (4.9)	RELB (3.1)	FUT2 (2.5)
0.43	>=0.20	MYLIP (2.5)	ABCA5 (2.4)	GNAI3 (2.4)
0.43	>=0.20	ENSG00000226806 (2	KPNB1 (2.5)	SNX17 (2.4)
0.43	>=0.20	LPAR2 (3.9)	PBX4 (3.4)	TOP1 (2.7)
0.43	>=0.20	RP1 (3.4)	FUT2 (2.7)	GNAI3 (2.1)
0.43	>=0.20	ATXN1L (3.9)	TXNL4B (3.5)	IST1 (3.3)
0.43	>=0.20	ZNF513 (3.3)	GRINA (2.8)	TOP1 (2.8)
0.43	>=0.20	CARM1 (2.8)	ABO (2.6)	KPNB1 (2.4)
0.43	>=0.20	DHODH (3.2)	TOMM40 (2.7)	ENSG00000182329 (2
0.43	>=0.20	ENSG00000228044 (2	AMIGO1 (1.8)	PVR (1.7)
0.43	>=0.20	DHX38 (4.5)	SUGP1 (3.4)	MAU2 (3.2)
0.43	>=0.20	PSMA5 (3.3)	NRBP1 (3.3)	KPNB1 (3.1)
0.43	>=0.20	TOP1 (3.4)	BUD13 (3.1)	NUP93 (2.9)
0.43	>=0.20	GMIP (4.5)	GATAD2A (3.0)	DOCK7 (2.3)
0.43	>=0.20	DHX38 (2.9)	BUD13 (2.8)	SUMO1 (2.8)
0.43	>=0.20	ENSG00000254235 (2	ST3GAL4 (2.2)	LPIN3 (2.1)
0.43	>=0.20	ATP13A1 (3.6)	CLPTM1 (3.4)	ABCA5 (3.0)
0.43	>=0.20	ATP13A1 (3.6)	CLPTM1 (3.4)	ABCA5 (3.0)
0.43	>=0.20	RP1 (3.0)	GNAT2 (2.6)	LPAR2 (2.6)
0.43	>=0.20	PARP10 (2.7)	ST3GAL4 (2.6)	ZNF513 (2.5)
0.43	>=0.20	SLC22A2 (6.9)	PLG (3.6)	ANGPTL3 (3.1)
0.43	>=0.20	ERGIC3 (2.5)	GATAD2A (2.1)	ATP13A1 (1.6)
0.43	>=0.20	CELSR2 (4.2)	NCAN (3.4)	GRINA (2.5)
0.43	>=0.20	TSSK6 (3.4)	PMFBP1 (2.7)	SPATC1 (2.4)
0.43	>=0.20	NUP93 (3.2)	IST1 (2.9)	TOP1 (2.9)
0.43	>=0.20	SUGP1 (2.9)	TXNL4B (2.4)	DHX38 (2.4)
0.43	>=0.20	SUGP1 (2.9)	TXNL4B (2.4)	DHX38 (2.4)
0.43	>=0.20	SUGP1 (2.9)	TXNL4B (2.4)	DHX38 (2.4)
0.43	>=0.20	HNF1A (3.3)	FUT2 (2.6)	ABO (2.6)
0.43	>=0.20	MAU2 (3.5)	IFT172 (2.5)	KPNB1 (2.2)
0.43	>=0.20	C11orf9 (3.1)	ZNF821 (2.7)	NYNRIN (2.6)
0.43	>=0.20	PARP10 (2.7)	GRINA (2.1)	OASL (2.1)
0.43	>=0.20	ABO (3.2)	GSTM5 (2.3)	GPR61 (2.1)
0.43	>=0.20	GPAM (2.5)	AMIGO1 (2.5)	ABCA5 (2.3)

0.43	>=0.20	FADS1 (3.9)	LDLR (3.0)	LIPG (2.8)
0.43	>=0.20	ERGIC3 (3.7)	YIPF2 (3.0)	BCAM (2.8)
0.43	>=0.20	MAMSTR (4.0)	NCAN (3.4)	FADS1 (3.2)
0.43	>=0.20	DOCK6 (2.8)	RASIP1 (2.5)	BMPR2 (2.3)
0.43	>=0.20	MAFB (3.4)	TIMD4 (2.5)	APOE (2.2)
0.43	>=0.20	DOCK7 (2.6)	MAP3K4 (2.6)	BMPR2 (2.4)
0.43	>=0.20	SUGP1 (3.4)	MAU2 (3.0)	R3HDM1 (2.5)
0.43	>=0.20	GPR61 (3.3)	R3HDM1 (2.8)	CETP (2.5)
0.43	>=0.20	OTX1 (3.6)	ENSG00000236436 (3	YSK4 (2.9)
0.43	>=0.20	GPR61 (4.0)	ENSG00000236267 (2	ABO (1.6)
0.43	>=0.20	PGS1 (2.7)	ENSG00000226648 (2	DOCK7 (2.5)
0.43	>=0.20	CYP26A1 (2.8)	BCAM (2.7)	C11orf9 (2.6)
0.43	>=0.20	GMIP (4.0)	SLC22A3 (2.3)	APOC1 (2.2)
0.43	>=0.20	NCAN (3.0)	TRAM2 (2.3)	GNAI3 (2.2)
0.43	>=0.20	PSMA5 (6.1)	PARP10 (3.3)	NFE2L3 (2.5)
0.43	>=0.20	PSMA5 (6.1)	PARP10 (3.3)	NFE2L3 (2.5)
0.43	>=0.20	ZNF259 (3.9)	NOP58 (3.9)	TOMM40 (3.3)
0.43	>=0.20	HMGCR (4.0)	LDLR (3.2)	ERGIC3 (2.3)
0.43	>=0.20	FUT2 (2.7)	MAMSTR (2.3)	CILP2 (2.1)
0.43	>=0.20	IFT172 (2.8)	TRIB1 (2.6)	ENSG00000254235 (2
0.43	>=0.20	NFE2L3 (2.7)	C11orf9 (2.7)	CBLC (2.6)
0.43	>=0.20	OBP2B (3.4)	CELSR2 (3.4)	PARP10 (2.3)
0.43	>=0.20	ENSG00000244861 (2	KPNB1 (2.8)	MCM6 (2.4)
0.43	>=0.20	CLPTM1 (3.4)	ATP13A1 (3.3)	ABCA5 (2.9)
0.43	>=0.20	PSMA5 (6.8)	NFE2L3 (2.5)	UBXN4 (2.3)
0.43	>=0.20	PLEC (3.6)	IGF2R (2.2)	GATAD2A (2.2)
0.43	>=0.20	NFE2L3 (2.5)	GDF5 (2.2)	SPATC1 (2.2)
0.43	>=0.20	APOC1 (5.9)	LPL (3.6)	ABCA1 (3.4)
0.43	>=0.20	IST1 (3.5)	ATXN1L (2.5)	GNAI3 (2.4)
0.43	>=0.20	TOP1 (3.2)	NUP93 (3.1)	NOP58 (2.9)
0.43	>=0.20	TXNL4B (4.1)	SARS (3.3)	ZNF259 (2.9)
0.44	>=0.20	PARP10 (3.0)	OASL (3.0)	BMPR2 (2.3)
0.44	>=0.20	HNF4A (2.6)	SYPL2 (2.4)	PLEC (2.4)
0.44	>=0.20	ST3GAL4 (3.1)	TBKBP1 (3.0)	LPAL2 (2.9)
0.44	>=0.20	TOP1 (3.1)	ENSG00000226806 (2	ATXN7L2 (2.4)
0.44	>=0.20	PCSK9 (4.2)	HMGCR (3.2)	LDLR (2.9)
0.44	>=0.20	PLEC (2.8)	GMIP (2.2)	EHBP1 (1.9)
0.44	>=0.20	HAPLN4 (4.3)	C11orf9 (2.2)	SORT1 (2.1)
0.44	>=0.20	CYP26A1 (3.5)	HAVCR1 (3.3)	NYNRIN (2.4)
0.44	>=0.20	CBLC (5.3)	KRTCAP3 (3.8)	FUT1 (3.2)
0.44	>=0.20	GMIP (3.1)	MAFB (2.6)	ABCA1 (2.5)
0.44	>=0.20	TOP1 (3.4)	NOP58 (3.2)	GNAI3 (2.9)
0.44	>=0.20	TOP1 (3.4)	NOP58 (3.2)	GNAI3 (2.9)
0.44	>=0.20	TOP1 (3.4)	NOP58 (3.2)	GNAI3 (2.9)
0.44	>=0.20	TRIM54 (4.4)	SYPL2 (2.8)	PVR (2.2)
0.44	>=0.20	LIPG (3.5)	HMGCR (3.3)	CYP26A1 (3.0)
0.44	>=0.20	POLK (2.3)	ENSG00000256731 (1	CETP (1.8)
0.44	>=0.20	OASL (3.5)	MAFB (2.8)	ENSG00000226622 (2
0.44	>=0.20	SMARCA4 (2.9)	C12orf43 (2.4)	CLPTM1 (2.3)
0.44	>=0.20	PGS1 (3.5)	PARP10 (2.3)	ENSG00000254235 (1

0.44	>=0.20	RELB (4.0)	OASL (3.2)	HAVCR1 (3.0)
0.44	>=0.20	RELB (4.0)	OASL (3.2)	HAVCR1 (3.0)
0.44	>=0.20	GMIP (3.2)	PLCG1 (2.3)	CETP (2.0)
0.44	>=0.20	PVR (2.9)	NCAN (2.4)	C11orf9 (2.3)
0.44	>=0.20	GRINA (3.3)	CLPTM1 (2.5)	DOCK7 (2.4)
0.44	>=0.20	GDF5 (2.5)	ABO (2.0)	C17orf57 (1.9)
0.44	>=0.20	C19orf52 (2.3)	ENSG00000231204 (2	SLC44A2 (2.2)
0.44	>=0.20	CYP26A1 (5.5)	OTX1 (4.5)	GDF5 (2.5)
0.44	>=0.20	COL4A3BP (2.7)	GMIP (2.4)	USP24 (2.4)
0.44	>=0.20	ENSG00000228044 (3	PSRC1 (2.8)	POC5 (2.7)
0.44	>=0.20	CLPTM1 (3.1)	IZUMO1 (2.2)	CEP250 (2.1)
0.44	>=0.20	BUD13 (3.3)	PCSK9 (2.7)	HNF1A (2.1)
0.44	>=0.20	ABO (2.4)	LPAL2 (2.3)	ENSG00000231204 (1
0.44	>=0.20	SMARCA4 (3.8)	KPNB1 (3.6)	GATAD2A (3.4)
0.44	>=0.20	ZNF259 (3.1)	NUP93 (3.1)	ATXN1L (2.6)
0.44	>=0.20	BCAM (3.9)	CBLC (3.7)	CELSR2 (3.0)
0.44	>=0.20	RP1 (11.2)	GNAT2 (5.6)	ENSG00000235545 (2
0.44	>=0.20	YIPF2 (4.3)	C19orf52 (2.5)	GNAT2 (2.3)
0.44	>=0.20	C11orf9 (3.6)	NYNRIN (3.3)	LPAR2 (2.5)
0.44	>=0.20	CLPTM1 (3.2)	ZHX3 (3.0)	NRBP1 (2.8)
0.44	>=0.20	HAVCR1 (2.8)	SLC22A2 (2.4)	ENSG00000226622 (2
0.44	>=0.20	NOP58 (5.4)	ZNF259 (4.7)	TOMM40 (3.6)
0.44	>=0.20	MAFB (2.8)	ABCA5 (1.9)	C17orf57 (1.8)
0.44	>=0.20	PPM1G (3.3)	SARS (3.2)	C12orf43 (2.2)
0.44	>=0.20	ST3GAL4 (3.4)	LPAR2 (2.6)	ZNF513 (2.3)
0.44	>=0.20	RASIP1 (5.5)	ENSG00000226806 (2	PVR (1.9)
0.44	>=0.20	CYB561D1 (2.9)	YIPF2 (2.3)	TSSK6 (2.1)
0.44	>=0.20	ATXN1L (3.8)	TXNL4B (3.6)	IST1 (3.5)
0.44	>=0.20	CBLC (6.4)	KRTCAP3 (4.3)	FUT1 (3.5)
0.44	>=0.20	ENSG00000226622 (6	FNDC4 (4.5)	LPIN3 (3.2)
0.44	>=0.20	COL4A3BP (2.6)	GATAD2A (2.6)	SARS (2.2)
0.44	>=0.20	ZHX3 (4.1)	PLEC (2.4)	NRBP1 (2.1)
0.44	>=0.20	NOP58 (2.9)	TOP1 (2.7)	C12orf43 (2.6)
0.44	>=0.20	TRIB1 (2.9)	CBLC (2.2)	ABCA6 (2.2)
0.44	>=0.20	OBP2B (3.8)	HAVCR1 (3.7)	COL4A3BP (2.4)
0.44	>=0.20	SMARCA4 (2.6)	CARM1 (2.6)	TOP1 (2.4)
0.44	>=0.20	YIPF2 (2.5)	ENSG00000231204 (2	ENSG00000228044 (2
0.44	>=0.20	LIPG (3.3)	NCAN (2.2)	GSTM5 (2.0)
0.44	>=0.20	DHX38 (3.8)	SUGP1 (3.4)	BUD13 (3.3)
0.44	>=0.20	TOP1 (3.3)	DHX38 (2.9)	NOP58 (2.8)
0.44	>=0.20	IZUMO1 (3.2)	PVR (2.8)	DNAH11 (2.8)
0.44	>=0.20	UBXN4 (2.8)	RELB (2.3)	NPEPPS (2.1)
0.44	>=0.20	ST3GAL4 (3.1)	C11orf9 (2.9)	EHBP1 (2.9)
0.44	>=0.20	BMPR2 (3.2)	KRTCAP3 (2.6)	OTX1 (2.4)
0.44	>=0.20	PBX4 (3.3)	GSTM4 (2.8)	LPAR2 (2.0)
0.44	>=0.20	ENSG00000236436 (3	ENSG00000226806 (3	ENSG00000231204 (2
0.44	>=0.20	GDF5 (2.8)	ABCA5 (1.9)	PCSK9 (1.9)
0.44	>=0.20	NOP58 (4.3)	DARS (3.5)	ZNF259 (2.7)
0.44	>=0.20	HNF1A (3.3)	ZNF821 (2.2)	C11orf9 (2.0)
0.44	>=0.20	ENSG00000236267 (2	RASIP1 (2.0)	FER1L4 (1.9)

0.44	>=0.20	MCM6 (3.4)	ZRANB3 (3.1)	USP1 (3.1)
0.44	>=0.20	MCM6 (3.4)	ZRANB3 (3.1)	USP1 (3.1)
0.44	>=0.20	CBLC (4.4)	KRTCAP3 (3.4)	FUT1 (2.5)
0.44	>=0.20	RELB (3.6)	PVRL2 (2.6)	OASL (2.6)
0.44	>=0.20	NCAN (4.1)	MAMSTR (3.2)	ZHX3 (2.5)
0.44	>=0.20	LPL (7.9)	GPAM (4.6)	RASIP1 (2.4)
0.44	>=0.20	MCM6 (6.7)	FEN1 (5.8)	USP1 (5.4)
0.44	>=0.20	R3HDM1 (2.7)	MAU2 (2.6)	PSRC1 (2.4)
0.44	>=0.20	PBX4 (2.1)	PLCG1 (2.0)	TIMD4 (2.0)
0.44	>=0.20	UBXN4 (2.8)	PSMA5 (2.5)	SUMO1 (1.8)
0.44	>=0.20	NYNRIN (4.0)	IFT172 (3.7)	ATXN7L2 (3.3)
0.44	>=0.20	ENSG00000236436 (2	ENSG00000228044 (2	ENSG00000256731 (1
0.44	>=0.20	OBP2B (4.3)	C19orf52 (2.1)	YSK4 (1.8)
0.44	>=0.20	OASL (3.8)	PARP10 (3.2)	GMIP (3.0)
0.44	>=0.20	PVRL2 (3.1)	CYP26A1 (2.2)	BCAM (2.2)
0.44	>=0.20	ENSG00000236267 (3	ABO (3.2)	ENSG00000236436 (2
0.44	>=0.20	ENSG00000226648 (2	COL4A3BP (2.4)	NPEPPS (2.3)
0.45	>=0.20	USP24 (2.6)	GMIP (2.5)	GNAI3 (2.5)
0.45	>=0.20	TIMD4 (3.2)	PBX4 (3.0)	CETP (2.3)
0.45	>=0.20	RELB (4.7)	GRINA (3.4)	TRIB1 (2.8)
0.45	>=0.20	SYPL2 (2.9)	MAMSTR (2.9)	PBX4 (2.2)
0.45	>=0.20	RP1 (13.2)	GNAT2 (9.2)	FNDC4 (2.2)
0.45	>=0.20	ENSG00000231204 (2	ENSG00000256731 (2	SLC22A3 (2.5)
0.45	>=0.20	ENSG00000254235 (2	AMIGO1 (2.2)	GDF5 (2.2)
0.45	>=0.20	MAP3K4 (2.7)	R3HDM1 (2.4)	IGF2R (2.0)
0.45	>=0.20	IST1 (3.7)	DHX38 (3.0)	C12orf43 (2.6)
0.45	>=0.20	YIPF2 (4.3)	UBXN4 (3.1)	ENSG00000244861 (2
0.45	>=0.20	TOMM40 (2.6)	GSTM4 (2.3)	PSMA5 (2.2)
0.45	>=0.20	PLCG1 (3.1)	RASIP1 (2.6)	PLEC (2.5)
0.45	>=0.20	ATP13A1 (3.4)	CLPTM1 (3.3)	ABCA5 (2.9)
0.45	>=0.20	OASL (2.2)	PARP10 (1.8)	PBX4 (1.8)
0.45	>=0.20	NUP93 (3.4)	BUD13 (3.3)	SMARCA4 (3.2)
0.45	>=0.20	ENSG00000235545 (2	SUMO1 (2.5)	DOCK7 (2.3)
0.45	>=0.20	CYP26A1 (3.7)	DOCK6 (3.3)	NYNRIN (2.6)
0.45	>=0.20	NYNRIN (4.5)	GDF5 (2.8)	CYP26A1 (2.3)
0.45	>=0.20	TRIM54 (3.2)	PVRL2 (2.2)	RASIP1 (2.1)
0.45	>=0.20	GSTM4 (3.9)	GOT2P1 (3.4)	ERGIC3 (2.7)
0.45	>=0.20	HAPLN4 (2.8)	NCAN (2.8)	SLC22A2 (2.5)
0.45	>=0.20	CILP2 (3.6)	GDF5 (3.6)	CYP26A1 (2.9)
0.45	>=0.20	RP1 (2.3)	OBP2B (2.3)	ENSG00000226648 (2
0.45	>=0.20	NOP58 (3.9)	DARS (3.6)	SMARCA4 (3.4)
0.45	>=0.20	TRIM54 (4.1)	TRAM2 (2.7)	FER1L4 (2.5)
0.45	>=0.20	GOT2P1 (3.2)	IST1 (2.7)	NOP58 (2.4)
0.45	>=0.20	PLCG1 (2.4)	ENSG00000226806 (2	ST3GAL4 (2.3)
0.45	>=0.20	CILP2 (6.3)	GDF5 (3.1)	YIPF2 (2.2)
0.45	>=0.20	YIPF2 (4.9)	ST3GAL4 (3.1)	FUT2 (2.5)
0.45	>=0.20	DNAH11 (3.7)	ENSG00000228044 (2	ENSG00000226648 (2
0.45	>=0.20	RELB (4.1)	TRIB1 (3.5)	OASL (3.2)
0.45	>=0.20	ATXN1L (4.8)	USP1 (3.3)	KANK2 (2.6)
0.45	>=0.20	RASIP1 (3.2)	OBP2B (2.1)	MAMSTR (1.9)

0.45	>=0.20	ZHX3 (3.0)	MAFB (2.5)	NRBP1 (2.3)
0.45	>=0.20	GSTM4 (6.1)	SLC22A2 (3.8)	TM6SF2 (3.2)
0.45	>=0.20	DHX38 (3.0)	SMARCA4 (2.8)	KPNB1 (2.5)
0.45	>=0.20	GRINA (3.0)	PSRC1 (2.6)	PGS1 (2.4)
0.45	>=0.20	NOP58 (3.6)	KPNB1 (3.5)	ENSG00000236436 (2
0.45	>=0.20	TIMD4 (2.5)	ENSG00000226806 (2	PLCG1 (2.2)
0.45	>=0.20	PVR (3.7)	OTX1 (2.6)	IGF2R (2.2)
0.45	>=0.20	ENSG00000226645 (4	TRIB1 (3.9)	FER1L4 (2.4)
0.45	>=0.20	GSTM4 (4.7)	HMGCR (4.0)	PCSK9 (3.5)
0.45	>=0.20	DOCK6 (4.3)	PLCG1 (3.1)	RASIP1 (2.7)
0.45	>=0.20	OASL (11.2)	PARP10 (8.6)	RELB (3.4)
0.45	>=0.20	MCM6 (3.4)	KPNB1 (3.0)	FEN1 (2.8)
0.45	>=0.20	IGF2R (2.5)	GMIP (2.2)	RELB (2.2)
0.45	>=0.20	PPM1G (4.4)	SMARCA4 (3.5)	SUGP1 (3.3)
0.45	>=0.20	PARP10 (5.3)	OASL (4.5)	RELB (4.2)
0.45	>=0.20	DHX38 (3.2)	CARM1 (3.1)	SUGP1 (3.1)
0.45	>=0.20	SARS (3.4)	ERGIC3 (2.6)	UBXN4 (2.3)
0.45	>=0.20	MAP3K4 (3.2)	MAU2 (2.6)	C12orf43 (2.2)
0.45	>=0.20	ZRANB3 (2.9)	PSMA5 (2.6)	MCM6 (2.6)
0.45	>=0.20	FADS1 (2.4)	FGF21 (2.1)	PVR (1.8)
0.45	>=0.20	APOE (3.0)	PLEC (2.6)	CLPTM1 (2.6)
0.45	>=0.20	MYLIP (2.8)	BUD13 (2.6)	RELB (2.4)
0.45	>=0.20	FUT2 (3.6)	MYLIP (3.0)	CYP26A1 (2.5)
0.45	>=0.20	RP1 (5.2)	GNAT2 (4.0)	OTX1 (3.6)
0.45	>=0.20	DHODH (3.6)	TOMM40 (3.5)	R3HDM1 (2.2)
0.45	>=0.20	OTX1 (3.6)	PBX4 (3.1)	CELSR2 (2.0)
0.45	>=0.20	YIPF2 (4.4)	ST3GAL4 (4.0)	TRAM2 (2.7)
0.45	>=0.20	ABO (2.4)	PBX4 (2.2)	FER1L4 (1.7)
0.45	>=0.20	GATAD2A (4.1)	KANK2 (2.7)	PLCG1 (2.5)
0.45	>=0.20	NYNRIN (3.7)	CYP26A1 (2.9)	PLCG1 (2.6)
0.46	>=0.20	C12orf43 (2.9)	C19orf52 (2.6)	GOT2P1 (2.6)
0.46	>=0.20	OBP2B (2.6)	ENSG00000226806 (2	ENSG00000226622 (1
0.46	>=0.20	MAP3K4 (2.7)	USP24 (2.2)	MAU2 (2.0)
0.46	>=0.20	RELB (4.1)	GMIP (3.8)	TIMD4 (3.2)
0.46	>=0.20	PLEC (4.5)	KANK2 (2.8)	GATAD2A (2.7)
0.46	>=0.20	TOP1 (3.7)	NOP58 (3.3)	NUP93 (3.1)
0.46	>=0.20	BUD13 (3.8)	DHX38 (3.4)	SUGP1 (3.1)
0.46	>=0.20	ZNF821 (2.7)	NRBP1 (2.5)	SUGP1 (2.4)
0.46	>=0.20	ZNF821 (2.7)	NRBP1 (2.5)	SUGP1 (2.4)
0.46	>=0.20	ZNF821 (2.7)	NRBP1 (2.5)	SUGP1 (2.4)
0.46	>=0.20	ENSG00000235545 (3	CYP26A1 (2.7)	OTX1 (2.6)
0.46	>=0.20	TOP1 (3.4)	NUP93 (3.2)	NOP58 (2.8)
0.46	>=0.20	USP1 (4.6)	FEN1 (2.8)	KPNB1 (2.7)
0.46	>=0.20	ENSG00000236436 (3	SLC22A2 (3.2)	HAVCR1 (3.1)
0.46	>=0.20	NUP93 (3.4)	TOP1 (2.8)	SMARCA4 (2.8)
0.46	>=0.20	IST1 (2.6)	ENSG00000226648 (2	TRIM54 (2.3)
0.46	>=0.20	RP1 (6.6)	GNAT2 (6.5)	ENSG00000235545 (2
0.46	>=0.20	RELB (4.4)	TRIB1 (3.1)	PVR (2.7)
0.46	>=0.20	TOMM40 (2.5)	YIPF2 (2.2)	MAU2 (2.1)
0.46	>=0.20	ATXN7L2 (3.2)	ZNF821 (3.0)	NYNRIN (2.5)

0.46	>=0.20	ENSG00000236267 (3	HNF1A (2.6)	PMFBP1 (2.3)
0.46	>=0.20	PGS1 (2.7)	ST3GAL4 (2.6)	TBKBP1 (2.1)
0.46	>=0.20	PARP10 (5.1)	YIPF2 (2.7)	GPR61 (2.3)
0.46	>=0.20	PARP10 (5.1)	YIPF2 (2.7)	GPR61 (2.3)
0.46	>=0.20	PARP10 (5.1)	YIPF2 (2.7)	GPR61 (2.3)
0.46	>=0.20	TRIM54 (3.2)	SYPL2 (2.9)	PLEC (2.7)
0.46	>=0.20	CLPTM1 (2.6)	SARS (2.6)	PBX4 (2.2)
0.46	>=0.20	HAVCR1 (2.9)	ENSG00000226806 (2	GMIP (2.4)
0.46	>=0.20	YIPF2 (3.5)	UBXN4 (2.9)	IFT172 (2.8)
0.46	>=0.20	SPATC1 (2.6)	PSRC1 (2.1)	ENSG00000231204 (1
0.46	>=0.20	TRIM54 (2.3)	DOCK7 (2.1)	SLC44A2 (2.1)
0.46	>=0.20	COL4A3BP (3.0)	SORT1 (2.5)	LPL (2.2)
0.46	>=0.20	ENSG00000254235 (2	AMIGO1 (2.1)	C19orf52 (2.0)
0.46	>=0.20	SYPL2 (4.1)	CILP2 (3.0)	GDF5 (2.7)
0.46	>=0.20	C17orf57 (2.6)	TSSK6 (2.3)	SYPL2 (2.2)
0.46	>=0.20	MAP3K4 (3.3)	IST1 (2.4)	ERGIC3 (2.1)
0.46	>=0.20	TRIB1 (6.8)	MYLIP (2.7)	POLK (2.2)
0.46	>=0.20	PSRC1 (5.7)	FEN1 (4.0)	ZRANB3 (3.6)
0.46	>=0.20	NOP58 (3.2)	ZNF259 (2.1)	GATAD2A (1.8)
0.46	>=0.20	ENSG00000226645 (3	IST1 (2.7)	ENSG00000226622 (2
0.46	>=0.20	ENSG00000226645 (3	IST1 (2.7)	ENSG00000226622 (2
0.46	>=0.20	ATP13A1 (3.4)	SNX17 (2.8)	DHODH (1.8)
0.46	>=0.20	ENSG00000226622 (4	GSTM5 (3.5)	ENSG00000231204 (2
0.46	>=0.20	CLPTM1 (4.1)	ATXN1L (3.0)	GRINA (3.0)
0.46	>=0.20	RELB (5.0)	NFE2L3 (3.4)	PGS1 (2.9)
0.46	>=0.20	MAMSTR (4.5)	FGF21 (3.3)	RP1 (3.2)
0.46	>=0.20	ENSG00000226806 (2	GMIP (2.6)	PLCG1 (2.3)
0.46	>=0.20	SARS (4.5)	FGF21 (3.8)	FUT1 (3.2)
0.46	>=0.20	ABCA6 (3.0)	TIMD4 (2.6)	PBX4 (2.6)
0.46	>=0.20	ENSG00000182329 (2	PLCG1 (1.8)	CYP26A1 (1.7)
0.46	>=0.20	GDF5 (3.5)	CILP2 (3.4)	MYLIP (3.0)
0.46	>=0.20	GATAD2A (3.3)	TRIM54 (2.7)	KANK2 (2.3)
0.46	>=0.20	FER1L4 (4.3)	GOT2P1 (2.3)	SORT1 (2.2)
0.46	>=0.20	NRBP1 (2.9)	PGS1 (2.2)	CLPTM1 (2.2)
0.46	>=0.20	YSK4 (2.9)	KPNB1 (2.3)	C17orf57 (2.3)
0.46	>=0.20	PARP10 (3.2)	TRIB1 (2.5)	PGS1 (2.5)
0.46	>=0.20	ENSG00000226645 (2	GMIP (2.4)	ZNF513 (2.2)
0.46	>=0.20	SPATC1 (3.7)	ENSG00000226645 (2	SUMO1 (1.9)
0.46	>=0.20	CYP26A1 (2.5)	ABO (2.5)	FUT2 (2.4)
0.46	>=0.20	MCM6 (3.6)	PPM1G (3.2)	PLCG1 (2.9)
0.46	>=0.20	HMGCR (7.2)	LDLR (6.7)	FADS1 (6.1)
0.46	>=0.20	HMGCR (2.1)	ENSG00000244861 (1	ABCA5 (1.8)
0.46	>=0.20	AMIGO1 (3.6)	CELSR2 (2.4)	PVR (2.3)
0.46	>=0.20	CILP2 (4.4)	TRAM2 (3.2)	ST3GAL4 (3.0)
0.46	>=0.20	ENSG00000226622 (4	ENSG00000236436 (3	LPAL2 (3.5)
0.46	>=0.20	MYLIP (2.6)	FUT1 (2.5)	FEN1 (2.1)
0.46	>=0.20	SNX17 (3.5)	SARS (3.4)	PPM1G (3.3)
0.46	>=0.20	HAVCR1 (2.3)	ST3GAL4 (1.9)	PGS1 (1.9)
0.46	>=0.20	PVRL2 (3.5)	CYP26A1 (2.4)	PLCG1 (2.1)
0.46	>=0.20	PLEC (3.8)	ZHX3 (3.1)	MAP3K4 (2.7)

0.47	>=0.20	DOCK7 (2.1)	MYLIP (2.1)	APOE (2.0)
0.47	>=0.20	LPA (3.7)	LPAL2 (3.2)	HP (2.9)
0.47	>=0.20	PLCG1 (4.3)	ENSG00000226806 (3	ENSG00000236267 (2
0.47	>=0.20	GMIP (3.6)	SLC44A2 (2.6)	TIMD4 (2.4)
0.47	>=0.20	FUT2 (3.0)	RP1 (2.8)	ABCA1 (2.3)
0.47	>=0.20	TBKBP1 (3.7)	NPEPPS (3.1)	MAP3K4 (3.0)
0.47	>=0.20	BMPR2 (3.4)	USP24 (3.1)	TRAM2 (2.2)
0.47	>=0.20	PLEC (3.2)	SLC44A2 (3.1)	LCT (2.7)
0.47	>=0.20	FUT2 (3.2)	SLC22A2 (2.8)	ENSG00000226622 (2
0.47	>=0.20	FUT2 (5.8)	CBLC (3.8)	FGF21 (2.9)
0.47	>=0.20	SNX17 (2.7)	KPNB1 (2.5)	NRBP1 (2.1)
0.47	>=0.20	TOP1 (4.0)	PPM1G (3.2)	R3HDM1 (3.1)
0.47	>=0.20	NRBP1 (4.0)	SNX17 (4.0)	ERGIC3 (2.7)
0.47	>=0.20	RELB (6.1)	GMIP (2.5)	GRINA (2.3)
0.47	>=0.20	CILP2 (6.1)	APOE (3.1)	LPL (2.3)
0.47	>=0.20	TRAM2 (2.8)	SLC44A2 (1.9)	CYB561D1 (1.6)
0.47	>=0.20	NUP93 (3.0)	BUD13 (2.9)	IST1 (2.7)
0.47	>=0.20	APOE (3.2)	C17orf57 (2.6)	IGF2R (2.2)
0.47	>=0.20	PARP10 (3.9)	RAB3GAP1 (3.4)	OASL (2.7)
0.47	>=0.20	HAPLN4 (2.4)	ABCA1 (2.3)	CYP26A1 (1.9)
0.47	>=0.20	SLC44A2 (2.9)	GMIP (2.6)	CELSR2 (2.4)
0.47	>=0.20	DNAH11 (3.8)	RASIP1 (3.1)	MAFB (2.9)
0.47	>=0.20	OTX1 (2.3)	BCAM (2.1)	CYP26A1 (1.8)
0.47	>=0.20	ENSG00000236436 (3	ENSG00000182329 (2	ENSG00000236267 (2
0.47	>=0.20	HMGCR (5.2)	LDLR (4.8)	ATP13A1 (4.0)
0.47	>=0.20	NRBP1 (3.3)	SNX17 (3.0)	IST1 (2.8)
0.47	>=0.20	GMIP (3.0)	MAFB (2.6)	GATAD2A (2.4)
0.47	>=0.20	SNX17 (2.4)	IFT172 (2.1)	DHODH (1.9)
0.47	>=0.20	ENSG00000228044 (2	ZNF513 (2.6)	NFE2L3 (2.4)
0.47	>=0.20	RELB (4.2)	TRIB1 (3.7)	PVR (2.3)
0.47	>=0.20	CILP2 (4.6)	GDF5 (2.9)	ENSG00000226645 (2
0.47	>=0.20	SLC22A2 (5.8)	ANGPTL3 (3.8)	SLC22A1 (3.6)
0.47	>=0.20	IGF2R (2.6)	CYP26A1 (2.5)	TRIM54 (2.2)
0.47	>=0.20	TIMD4 (2.6)	SLC44A2 (2.5)	GMIP (2.1)
0.47	>=0.20	EHBP1 (2.5)	NPEPPS (2.5)	ATXN1L (2.5)
0.47	>=0.20	PVRL2 (3.1)	CLPTM1 (2.9)	NFE2L3 (2.7)
0.47	>=0.20	GOT2P1 (2.6)	NRBP1 (2.5)	LPIN3 (2.2)
0.47	>=0.20	POC5 (3.2)	SUMO1 (3.2)	C12orf43 (2.2)
0.47	>=0.20	LPL (2.7)	FNDC4 (2.1)	GOT2P1 (2.0)
0.47	>=0.20	ENSG00000226648 (2	DNAH11 (2.4)	YSK4 (2.3)
0.47	>=0.20	TXNL4B (3.2)	DHX38 (3.1)	PSMA5 (3.0)
0.47	>=0.20	BMPR2 (5.5)	LIPG (2.5)	LPL (2.4)
0.47	>=0.20	C19orf52 (2.8)	AMPD2 (2.5)	DHODH (2.5)
0.47	>=0.20	YIPF2 (3.9)	TOMM40 (2.8)	ERGIC3 (2.2)
0.47	>=0.20	SYPL2 (6.8)	TRIM54 (6.4)	IZUMO1 (2.5)
0.47	>=0.20	OTX1 (3.3)	NCAN (3.2)	TBKBP1 (2.7)
0.47	>=0.20	CILP2 (5.6)	SYPL2 (3.3)	GRINA (2.3)
0.47	>=0.20	ABO (2.7)	CARM1 (2.1)	LPAL2 (2.0)
0.47	>=0.20	YIPF2 (4.1)	FUT2 (3.7)	ERGIC3 (3.7)
0.47	>=0.20	YIPF2 (4.1)	FUT2 (3.7)	ERGIC3 (3.7)

0.47	>=0.20	SMARCA4 (2.6)	ABCA5 (2.3)	C12orf43 (2.3)
0.47	>=0.20	BUD13 (3.6)	NYNRIN (2.8)	SMARCA4 (2.7)
0.47	>=0.20	PSMA5 (5.3)	UBXN4 (4.6)	NFE2L3 (2.8)
0.47	>=0.20	SLC44A2 (3.5)	ENSG00000244861 (2	DOCK7 (2.2)
0.47	>=0.20	IGF2R (2.9)	CILP2 (2.7)	PCSK9 (2.5)
0.47	>=0.20	CBLC (4.9)	FUT1 (2.9)	KRTCAP3 (2.9)
0.47	>=0.20	SLC44A2 (3.1)	GATAD2A (2.7)	GNAI3 (2.4)
0.47	>=0.20	TRIB1 (4.8)	HNF1A (2.4)	BUD13 (2.3)
0.47	>=0.20	TRIB1 (2.6)	MYLIP (2.5)	PLEC (2.4)
0.47	>=0.20	FGF21 (3.2)	SARS (2.7)	POC5 (2.3)
0.47	>=0.20	DNAH11 (1.9)	ABCA6 (1.8)	GPR61 (1.8)
0.47	>=0.20	ENSG00000231204 (2	ENSG00000182329 (2	SYPL2 (2.1)
0.48	>=0.20	CBLC (4.4)	KRTCAP3 (2.8)	DOCK6 (2.2)
0.48	>=0.20	APOC1 (3.8)	TRIB1 (3.1)	SLC22A3 (1.8)
0.48	>=0.20	TOMM40 (3.7)	NOP58 (3.5)	ZNF259 (3.1)
0.48	>=0.20	SUGP1 (3.6)	DHX38 (3.6)	TOP1 (3.3)
0.48	>=0.20	ENSG00000226622 (4	SLC22A3 (4.1)	ENSG00000235545 (2
0.48	>=0.20	CYP26A1 (2.8)	ABO (2.4)	ATXN1L (1.7)
0.48	>=0.20	MYLIP (3.1)	ENSG00000231204 (2	BUD13 (2.0)
0.48	>=0.20	GNAI3 (3.1)	PLEC (2.5)	NRBP1 (2.5)
0.48	>=0.20	OBP2B (2.3)	RAB3GAP1 (1.9)	SYPL2 (1.7)
0.48	>=0.20	DHODH (2.1)	CYP26A1 (2.1)	MYLIP (1.8)
0.48	>=0.20	TOP1 (3.2)	SMARCA4 (3.0)	GATAD2A (2.8)
0.48	>=0.20	BMPR2 (2.4)	ENSG00000235545 (2	ENSG00000226622 (1
0.48	>=0.20	TSSK6 (2.4)	CETP (2.2)	ENSG00000254235 (2
0.48	>=0.20	DARS (3.2)	GSTM4 (3.1)	FADS1 (2.7)
0.48	>=0.20	MCM6 (3.6)	PSRC1 (3.6)	ZRANB3 (3.5)
0.48	>=0.20	RP1 (3.8)	MAMSTR (3.6)	FGF21 (3.2)
0.48	>=0.20	TRIB1 (6.8)	POLK (2.6)	ENSG00000244861 (2
0.48	>=0.20	NOP58 (3.0)	SUGP1 (3.0)	DHX38 (3.0)
0.48	>=0.20	PSMA5 (5.7)	UBXN4 (4.3)	NFE2L3 (3.0)
0.48	>=0.20	SLC22A2 (6.0)	PLG (3.0)	GSTM4 (2.2)
0.48	>=0.20	ERGIC3 (3.3)	ATXN7L2 (2.4)	SLC44A2 (2.3)
0.48	>=0.20	SMARCA4 (3.3)	PPM1G (3.0)	IST1 (2.8)
0.48	>=0.20	SARS (3.6)	DHX38 (3.4)	NUP93 (2.5)
0.48	>=0.20	GMIP (3.3)	LPAR2 (3.0)	USP24 (2.9)
0.48	>=0.20	TRAM2 (2.9)	NPEPPS (2.7)	BMPR2 (2.4)
0.48	>=0.20	PVR (2.4)	TRAM2 (2.2)	GDF5 (2.0)
0.48	>=0.20	GSTM4 (4.8)	ANGPTL3 (3.3)	ABCG5 (3.2)
0.48	>=0.20	ENSG00000228044 (2	IZUMO1 (2.3)	ENSG00000226645 (2
0.48	>=0.20	NRBP1 (3.2)	IST1 (3.1)	UBXN4 (2.6)
0.48	>=0.20	SARS (4.3)	DARS (3.9)	PSMA5 (3.4)
0.48	>=0.20	MAMSTR (2.5)	C17orf57 (2.4)	ZRANB3 (2.0)
0.48	>=0.20	BUD13 (3.2)	NUP93 (3.1)	TOP1 (3.1)
0.48	>=0.20	TOMM40 (2.8)	ZNF821 (2.5)	TXNL4B (2.5)
0.48	>=0.20	LPAR2 (2.6)	COL4A3BP (2.4)	NRBP1 (2.2)
0.48	>=0.20	CETP (4.3)	ENSG00000226806 (2	MAFB (1.8)
0.48	>=0.20	PLEC (3.1)	RASIP1 (2.9)	DOCK6 (2.9)
0.48	>=0.20	MCM6 (6.1)	FEN1 (5.1)	USP1 (4.4)
0.48	>=0.20	MYLIP (3.1)	COL4A3BP (2.0)	SUGP1 (1.8)

0.48	>=0.20	GSTM5 (3.4)	ENSG00000236436 (2	TSSK6 (2.3)
0.48	>=0.20	NRBP1 (2.7)	FER1L4 (2.1)	EHBP1 (2.0)
0.48	>=0.20	IZUMO1 (2.6)	PSMA5 (2.6)	UBXN4 (2.3)
0.48	>=0.20	OASL (4.4)	NFE2L3 (3.7)	TIMD4 (2.6)
0.48	>=0.20	MAFB (3.4)	APOE (2.9)	BMPR2 (2.9)
0.48	>=0.20	HNF1A (3.3)	ATXN7L2 (1.6)	OTX1 (1.5)
0.48	>=0.20	OTX1 (6.0)	SPATC1 (2.9)	YSK4 (2.7)
0.48	>=0.20	TRIB1 (4.9)	C19orf80 (3.6)	ENSG00000226806 (2
0.48	>=0.20	PLEC (3.1)	PVRL2 (2.5)	DOCK6 (2.3)
0.48	>=0.20	HAPLN4 (2.8)	SPATC1 (2.3)	C17orf57 (2.0)
0.48	>=0.20	USP24 (3.8)	PLEC (3.6)	GMIP (2.9)
0.48	>=0.20	MYLIP (2.3)	NYNRIN (2.3)	C11orf9 (1.9)
0.48	>=0.20	FUT2 (2.7)	GRINA (2.6)	PLEC (2.1)
0.48	>=0.20	NYNRIN (3.9)	CYP26A1 (2.1)	LPAR2 (1.9)
0.48	>=0.20	SLC44A2 (2.9)	COL4A3BP (2.7)	ABCA6 (2.5)
0.48	>=0.20	OTX1 (3.2)	BCAM (3.0)	CBLC (2.8)
0.48	>=0.20	CELSR2 (3.5)	BCAM (3.2)	DNAH11 (2.6)
0.48	>=0.20	GPR61 (4.2)	SLC22A3 (2.7)	KRTCAP3 (2.5)
0.48	>=0.20	TSSK6 (5.4)	PMFBP1 (4.6)	SPATC1 (2.4)
0.48	>=0.20	NCAN (3.9)	FGF21 (2.7)	ENSG00000254235 (2
0.48	>=0.20	LIPG (4.2)	PLCG1 (3.3)	LPAR2 (3.1)
0.48	>=0.20	BUD13 (3.4)	DHX38 (3.1)	SUGP1 (3.0)
0.48	>=0.20	ENSG00000226806 (3	UBXN4 (3.2)	NFE2L3 (3.0)
0.49	>=0.20	DHX38 (4.3)	SMARCA4 (3.6)	KPNB1 (3.1)
0.49	>=0.20	SPATC1 (4.0)	ENSG00000244861 (2	ZNF513 (2.5)
0.49	>=0.20	SORT1 (2.4)	DOCK6 (2.3)	RAB3GAP1 (2.1)
0.49	>=0.20	ENSG00000226622 (3	MAFB (2.8)	NCAN (2.6)
0.49	>=0.20	SPATC1 (2.2)	ERGIC3 (1.9)	ENSG00000226645 (1
0.49	>=0.20	MCM6 (5.1)	FEN1 (4.8)	USP1 (4.5)
0.49	>=0.20	ABCA6 (2.6)	GPR61 (2.0)	DNAH11 (1.9)
0.49	>=0.20	AMIGO1 (2.6)	ENSG00000228044 (2	GDF5 (2.1)
0.49	>=0.20	KPNB1 (3.6)	NUP93 (3.2)	DARS (3.0)
0.49	>=0.20	IZUMO1 (3.4)	LPL (2.9)	HP (2.8)
0.49	>=0.20	RELB (5.8)	ZNF513 (2.7)	PVR (2.6)
0.49	>=0.20	DOCK6 (3.0)	RASIP1 (2.7)	LPIN3 (2.5)
0.49	>=0.20	OTX1 (3.8)	NYNRIN (2.4)	TXNL4B (2.1)
0.49	>=0.20	NPEPPS (2.5)	ZNF513 (2.3)	USP24 (2.1)
0.49	>=0.20	MCM6 (7.0)	FEN1 (6.6)	USP1 (4.9)
0.49	>=0.20	FEN1 (5.6)	MCM6 (4.2)	ZRANB3 (3.6)
0.49	>=0.20	SLC22A2 (3.9)	ST3GAL4 (2.4)	ABO (2.2)
0.49	>=0.20	ATXN1L (3.2)	ENSG00000244861 (3	C17orf57 (2.5)
0.49	>=0.20	CARM1 (2.7)	GNAI3 (2.5)	KPNB1 (2.1)
0.49	>=0.20	ENSG00000236436 (2	CILP2 (2.7)	MYLIP (2.5)
0.49	>=0.20	CILP2 (6.9)	GDF5 (5.3)	CYP26A1 (3.1)
0.49	>=0.20	SLC22A2 (6.4)	HNF4A (3.1)	C17orf57 (2.8)
0.49	>=0.20	CBLC (3.4)	FUT1 (3.0)	KRTCAP3 (3.0)
0.49	>=0.20	SUGP1 (3.4)	C12orf43 (3.0)	SUMO1 (2.3)
0.49	>=0.20	RELB (4.3)	NFE2L3 (2.8)	ENSG00000231204 (2
0.49	>=0.20	KPNB1 (4.7)	CARM1 (3.2)	DARS (3.0)
0.49	>=0.20	RELB (4.5)	PSMA5 (3.0)	PBX4 (2.5)

0.49	>=0.20	ABO (2.9)	ENSG00000182329 (2	GSTM5 (2.3)
0.49	>=0.20	MYLIP (3.1)	TBKBP1 (2.7)	C17orf57 (2.3)
0.49	>=0.20	CILP2 (5.2)	KANK2 (2.1)	GDF5 (1.9)
0.49	>=0.20	CILP2 (5.2)	KANK2 (2.1)	GDF5 (1.9)
0.49	>=0.20	FNDC4 (3.2)	CILP2 (3.2)	OBP2B (2.2)
0.49	>=0.20	TRIB1 (2.6)	UBXN4 (2.6)	PLEC (2.3)
0.49	>=0.20	GNAI3 (2.1)	ENSG00000226622 (2	NOP58 (1.9)
0.49	>=0.20	GMIP (3.9)	RELB (3.8)	TIMD4 (2.9)
0.49	>=0.20	TRIM54 (2.5)	APOA4 (2.3)	MAP3K4 (2.3)
0.49	>=0.20	ENSG00000226645 (4	TRIB1 (4.0)	FER1L4 (2.9)
0.49	>=0.20	ENSG00000256731 (3	GPAM (2.9)	SLC22A3 (2.4)
0.49	>=0.20	CARM1 (4.2)	NPEPPS (2.5)	TBKBP1 (2.5)
0.49	>=0.20	CARM1 (4.2)	NPEPPS (2.5)	TBKBP1 (2.5)
0.49	>=0.20	CARM1 (4.2)	NPEPPS (2.5)	TBKBP1 (2.5)
0.49	>=0.20	EHBP1 (2.7)	DOCK7 (2.6)	PVRL2 (2.4)
0.49	>=0.20	BMPR2 (3.3)	NCAN (2.5)	NYNRIN (2.4)
0.49	>=0.20	CLPTM1 (3.4)	NRBP1 (2.8)	CELSR2 (2.7)
0.49	>=0.20	CBLC (3.7)	KRTCAP3 (3.4)	R3HDM1 (3.2)
0.49	>=0.20	NPEPPS (4.1)	TRIB1 (2.5)	AMIGO1 (2.5)
0.49	>=0.20	TSSK6 (3.8)	PMFBP1 (2.8)	CETP (2.6)
0.49	>=0.20	PVRL2 (3.0)	BCAM (2.9)	CBLC (2.8)
0.49	>=0.20	GATAD2A (3.0)	SMARCA4 (2.8)	CEP250 (2.7)
0.49	>=0.20	GNAT2 (5.5)	RP1 (5.4)	CYP26A1 (1.9)
0.49	>=0.20	ENSG00000236436 (3	ENSG00000228044 (3	ENSG00000235545 (3
0.49	>=0.20	ENSG00000244861 (2	SMARCA4 (2.5)	HAVCR1 (2.5)
0.49	>=0.20	BMPR2 (2.6)	GNAT2 (2.2)	ENSG00000226645 (2
0.49	>=0.20	KANK2 (3.3)	TRIM54 (2.9)	PLEC (2.6)
0.49	>=0.20	SLC44A2 (2.7)	ENSG00000236436 (2	PVRL2 (2.1)
0.49	>=0.20	CLPTM1 (3.6)	YIPF2 (3.0)	ATP13A1 (2.3)
0.49	>=0.20	RELB (4.1)	GMIP (2.6)	CETP (2.4)
0.49	>=0.20	OTX1 (2.9)	UBXN4 (2.3)	BUD13 (2.1)
0.49	>=0.20	MCM6 (6.2)	FEN1 (6.2)	USP1 (4.3)
0.49	>=0.20	IZUMO1 (3.0)	ZNF513 (2.5)	TIMD4 (2.1)
0.49	>=0.20	ST3GAL4 (2.9)	KRTCAP3 (2.3)	ZRANB3 (2.3)
0.49	>=0.20	KANK2 (2.3)	ENSG00000254235 (2	FUT1 (2.1)
0.49	>=0.20	GSTM4 (2.5)	FGF21 (2.2)	LPAL2 (2.2)
0.49	>=0.20	GMIP (3.8)	SLC44A2 (2.4)	BMPR2 (2.1)
0.49	>=0.20	YIPF2 (5.0)	ST3GAL4 (3.4)	FUT2 (2.6)
0.5	>=0.20	GDF5 (5.2)	CILP2 (4.1)	CYP26A1 (3.6)
0.5	>=0.20	GNAT2 (5.0)	RP1 (4.8)	TM6SF2 (2.0)
0.5	>=0.20	MAMSTR (5.8)	NYNRIN (3.1)	SYPL2 (3.0)
0.5	>=0.20	FUT1 (3.6)	BMPR2 (3.1)	CBLC (2.5)
0.5	>=0.20	POLK (3.0)	C11orf9 (2.7)	SORT1 (2.5)
0.5	>=0.20	CBLC (6.0)	KRTCAP3 (4.1)	FUT1 (3.4)
0.5	>=0.20	PVRL2 (4.0)	CBLC (3.9)	TRIM54 (3.9)
0.5	>=0.20	MCM6 (3.5)	FEN1 (3.1)	USP1 (3.0)
0.5	>=0.20	MAP3K4 (3.2)	C12orf43 (2.4)	MAU2 (2.4)
0.5	>=0.20	MAP3K4 (3.2)	C12orf43 (2.4)	MAU2 (2.4)
0.5	>=0.20	GDF5 (2.2)	GOT2P1 (2.0)	GSTM5 (2.0)
0.5	>=0.20	MCM6 (6.7)	FEN1 (5.9)	USP1 (5.8)

0.5	>=0.20	MCM6 (6.7)	FEN1 (5.9)	USP1 (5.8)
0.5	>=0.20	NRBP1 (4.4)	SNX17 (3.6)	DARS (2.7)
0.5	>=0.20	IZUMO1 (2.9)	PGS1 (2.5)	ENSG00000254235 (2
0.5	>=0.20	IZUMO1 (2.9)	PGS1 (2.5)	ENSG00000254235 (2
0.5	>=0.20	PVRL2 (3.4)	KANK2 (3.4)	TRIM54 (3.4)
0.5	>=0.20	YIPF2 (6.1)	RAB3GAP1 (2.9)	UBXN4 (2.9)
0.5	>=0.20	PSRC1 (2.9)	POLK (2.8)	ATXN1L (2.7)
0.5	>=0.20	YIPF2 (4.8)	ERGIC3 (4.0)	TRAM2 (3.4)
0.5	>=0.20	YIPF2 (4.8)	ERGIC3 (4.0)	TRAM2 (3.4)
0.5	>=0.20	MAMSTR (4.3)	RP1 (3.1)	FGF21 (3.1)
0.5	>=0.20	CYP26A1 (2.8)	OTX1 (1.8)	DNAH11 (1.8)
0.5	>=0.20	MAMSTR (4.7)	PVR (3.0)	PLEC (2.5)
0.5	>=0.20	GNAI3 (4.3)	PSMA5 (3.9)	SNX17 (2.8)
0.5	>=0.20	UBXN4 (3.9)	PSMA5 (3.0)	SNX17 (3.0)
0.5	>=0.20	APOA4 (2.3)	ERGIC3 (2.3)	ABCA5 (2.3)
0.5	>=0.20	PVR (2.6)	TRAM2 (2.0)	PVRL2 (2.0)
0.5	>=0.20	SLC44A2 (3.5)	PBX4 (2.4)	CETP (2.0)
0.5	>=0.20	IST1 (3.0)	CYB561D1 (2.3)	TXNL4B (2.3)
0.5	>=0.20	FGF21 (2.4)	IZUMO1 (2.1)	APOB (2.1)
0.5	>=0.20	ENSG00000235545 (3	R3HDM1 (3.0)	POLK (2.8)
0.5	>=0.20	CILP2 (4.8)	PLG (3.0)	ANGPTL3 (2.8)
0.5	>=0.20	OTX1 (2.8)	TSSK6 (2.0)	DOCK7 (2.0)
0.5	>=0.20	ATXN7L2 (3.9)	ENSG00000235545 (2	NYNRIN (2.5)
0.5	>=0.20	ATXN7L2 (3.9)	ENSG00000235545 (2	NYNRIN (2.5)
0.5	>=0.20	IZUMO1 (3.1)	LPAL2 (2.8)	PBX4 (2.4)
0.5	>=0.20	MAMSTR (2.7)	ENSG00000256731 (2	LPIN3 (2.5)
0.5	>=0.20	GSTM4 (2.9)	SLC22A2 (2.3)	ABCG8 (2.3)
0.5	>=0.20	ENSG00000226806 (3	GMIP (2.7)	PLCG1 (2.7)
0.5	>=0.20	COL4A3BP (4.0)	USP24 (2.2)	SPATC1 (1.9)
0.5	>=0.20	KPNB1 (2.9)	SMARCA4 (2.7)	PPM1G (2.7)
0.5	>=0.20	ZNF513 (3.1)	TSSK6 (2.7)	OASL (2.4)
0.5	>=0.20	CILP2 (4.7)	CYP26A1 (4.0)	CELSR2 (2.6)
0.5	>=0.20	OTX1 (4.5)	CYP26A1 (4.1)	RP1 (2.3)
0.5	>=0.20	IZUMO1 (3.2)	PBX4 (2.2)	NFE2L3 (1.7)
0.5	>=0.20	HP (3.4)	MAFB (2.8)	LIPG (2.3)
0.5	>=0.20	GMIP (3.4)	USP24 (2.9)	PLEC (2.6)
0.5	>=0.20	OTX1 (2.6)	FGF21 (2.3)	C11orf9 (2.0)
0.5	>=0.20	IST1 (3.1)	NUP93 (2.7)	DARS (2.7)
0.5	>=0.20	MCM6 (5.6)	FEN1 (5.6)	USP1 (4.1)
0.5	>=0.20	GDF5 (6.2)	CILP2 (5.8)	OTX1 (2.4)
0.5	>=0.20	OBP2B (2.6)	SLC22A2 (2.5)	FADS1 (2.3)
0.5	>=0.20	BUD13 (3.1)	NUP93 (3.0)	TOP1 (2.9)
0.5	>=0.20	ABCA6 (2.5)	ENSG00000235545 (2	DNAH11 (2.0)
0.5	>=0.20	TRIM54 (3.5)	SYPL2 (2.6)	GRINA (2.2)
0.5	>=0.20	PVR (2.8)	PLCG1 (2.1)	DOCK6 (2.1)
0.5	>=0.20	PSMA5 (5.5)	UBXN4 (4.2)	NFE2L3 (3.3)
0.5	>=0.20	TRIM54 (5.3)	SYPL2 (5.2)	GPR61 (2.6)
0.5	>=0.20	SLC22A2 (2.9)	LCT (2.6)	GMIP (2.3)
0.5	>=0.20	ENSG00000226622 (2	C17orf57 (2.1)	PGS1 (2.1)
0.5	>=0.20	PARP10 (2.6)	YSK4 (1.9)	PGS1 (1.9)

0.5	>=0.20	GRINA (2.3)	ABO (1.9)	ENSG00000231204 (1
0.5	>=0.20	LPAR2 (2.6)	TSSK6 (2.5)	GMIP (2.1)
0.5	>=0.20	SUMO1 (2.8)	MAU2 (2.3)	NPEPPS (2.3)
0.51	>=0.20	CLPTM1 (3.2)	ZHX3 (3.1)	PLEC (2.7)
0.51	>=0.20	IST1 (4.2)	MAU2 (2.9)	ATXN1L (2.9)
0.51	>=0.20	LDLR (2.9)	FADS1 (2.3)	HMGCR (2.0)
0.51	>=0.20	SLC22A3 (2.7)	MYLIP (2.5)	KANK2 (2.2)
0.51	>=0.20	OASL (5.7)	PARP10 (4.4)	TIMD4 (3.2)
0.51	>=0.20	CILP2 (6.6)	IGF2R (2.7)	GDF5 (2.6)
0.51	>=0.20	CYP26A1 (4.5)	CILP2 (4.4)	GDF5 (2.2)
0.51	>=0.20	CILP2 (6.3)	GDF5 (5.2)	CYP26A1 (2.3)
0.51	>=0.20	MAMSTR (5.2)	SYPL2 (3.8)	TRIM54 (3.3)
0.51	>=0.20	BCAM (3.5)	PVRL2 (3.0)	PLEC (2.3)
0.51	>=0.20	GOT2P1 (2.1)	PVRL2 (2.1)	COL4A3BP (2.1)
0.51	>=0.20	OASL (7.2)	PARP10 (3.0)	ATXN7L2 (2.8)
0.51	>=0.20	FER1L4 (2.3)	GOT2P1 (2.1)	CBLC (2.1)
0.51	>=0.20	TOP1 (3.0)	NOP58 (2.8)	KPNB1 (2.5)
0.51	>=0.20	POLK (3.1)	AMPD2 (2.7)	NYNRIN (2.5)
0.51	>=0.20	CILP2 (6.5)	GDF5 (6.1)	CYP26A1 (2.8)
0.51	>=0.20	RP1 (3.9)	OTX1 (3.2)	GNAT2 (2.9)
0.51	>=0.20	RASIP1 (4.0)	DOCK6 (2.7)	ENSG00000254235 (2
0.51	>=0.20	TRIM54 (7.5)	SYPL2 (6.1)	MAMSTR (2.9)
0.51	>=0.20	YIPF2 (4.5)	FUT2 (3.6)	TRAM2 (2.7)
0.51	>=0.20	FEN1 (3.9)	MCM6 (3.9)	ZRANB3 (3.4)
0.51	>=0.20	YIPF2 (4.8)	ERGIC3 (4.1)	TRAM2 (3.3)
0.51	>=0.20	ENSG00000228044 (3	FUT2 (2.4)	TIMD4 (2.1)
0.51	>=0.20	TOMM40 (3.8)	NRBP1 (3.6)	UBXN4 (3.3)
0.51	>=0.20	IST1 (3.5)	SMARCA4 (2.7)	CARM1 (2.5)
0.51	>=0.20	NPEPPS (3.3)	GNAI3 (3.1)	PPM1G (2.7)
0.51	>=0.20	POC5 (3.5)	PSRC1 (3.3)	FEN1 (2.8)
0.51	>=0.20	NRBP1 (2.9)	ENSG00000244861 (2	USP24 (2.2)
0.51	>=0.20	MYLIP (3.5)	SLC22A2 (3.3)	APOA4 (2.8)
0.51	>=0.20	IST1 (2.9)	RELB (2.9)	PGS1 (2.5)
0.51	>=0.20	MAU2 (2.7)	C19orf52 (2.5)	CARM1 (2.3)
0.51	>=0.20	GSTM5 (2.4)	OBP2B (2.2)	TBKBP1 (2.1)
0.51	>=0.20	BMPR2 (4.7)	CYP26A1 (3.0)	MAP3K4 (2.5)
0.51	>=0.20	GNAI3 (3.8)	FGF21 (2.0)	KPNB1 (1.9)
0.51	>=0.20	TRIM54 (6.1)	SYPL2 (2.7)	LPL (2.5)
0.51	>=0.20	TRIB1 (3.3)	PSRC1 (3.1)	LPA (2.2)
0.51	>=0.20	TRIM54 (3.2)	RASIP1 (2.8)	SYPL2 (2.4)
0.51	>=0.20	SMARCA4 (2.8)	DHX38 (2.8)	NPEPPS (2.7)
0.51	>=0.20	RELB (5.4)	IST1 (3.4)	PVR (3.3)
0.51	>=0.20	SYPL2 (5.9)	TRIM54 (4.9)	MAMSTR (4.4)
0.51	>=0.20	PLEC (3.8)	KANK2 (3.2)	DOCK6 (2.8)
0.51	>=0.20	RELB (4.4)	ERGIC3 (3.1)	OTX1 (2.2)
0.51	>=0.20	BMPR2 (3.0)	EHBP1 (2.8)	TOP1 (2.5)
0.51	>=0.20	NOP58 (4.3)	GNAI3 (2.5)	ZNF259 (2.1)
0.51	>=0.20	NUP93 (3.3)	PSMA5 (3.0)	POC5 (2.8)
0.51	>=0.20	PLCG1 (2.6)	CEP250 (2.3)	FUT2 (2.2)
0.51	>=0.20	CELSR2 (2.7)	MAMSTR (2.6)	AMIGO1 (2.5)

0.51	>=0.20	ZHX3 (2.8)	TM6SF2 (2.6)	SLC22A2 (2.6)
0.51	>=0.20	MCM6 (7.1)	FEN1 (6.2)	USP1 (5.7)
0.51	>=0.20	OTX1 (2.9)	ZHX3 (2.7)	PLCG1 (2.5)
0.51	>=0.20	TRAM2 (2.7)	KRTCAP3 (2.5)	SLC22A2 (2.3)
0.51	>=0.20	MCM6 (6.2)	FEN1 (5.9)	USP1 (5.2)
0.51	>=0.20	POLK (2.4)	NOP58 (2.3)	TOP1 (2.2)
0.51	>=0.20	RASIP1 (3.2)	GPR61 (2.8)	DOCK6 (2.6)
0.51	>=0.20	BCAM (2.9)	OTX1 (2.8)	LIPG (2.6)
0.51	>=0.20	CYP26A1 (3.5)	ABO (3.2)	LPAR2 (2.8)
0.51	>=0.20	YIPF2 (3.0)	BUD13 (2.4)	MAU2 (2.3)
0.51	>=0.20	GDF5 (3.4)	SUMO1 (2.3)	C19orf52 (2.2)
0.51	>=0.20	ENSG00000231204 (2	ABO (1.8)	PBX4 (1.7)
0.51	>=0.20	BUD13 (3.3)	NUP93 (3.1)	SUGP1 (3.0)
0.51	>=0.20	SLC22A2 (3.6)	ABCA5 (3.2)	TM6SF2 (3.1)
0.51	>=0.20	APOA4 (3.7)	IGF2R (3.1)	ABCG5 (2.9)
0.51	>=0.20	GSTM5 (3.6)	ZHX3 (3.3)	ENSG00000226622 (2
0.51	>=0.20	SLC22A3 (2.9)	ENSG00000244861 (2	ENSG00000236267 (2
0.52	>=0.20	OTX1 (3.5)	CYP26A1 (3.5)	MYLIP (2.2)
0.52	>=0.20	LPL (2.6)	DHODH (2.4)	IFT172 (2.3)
0.52	>=0.20	TRIB1 (3.4)	HAPLN4 (2.4)	APOE (2.3)
0.52	>=0.20	FEN1 (2.4)	NPEPPS (2.3)	GNAI3 (2.3)
0.52	>=0.20	BUD13 (3.3)	NUP93 (3.1)	TOP1 (3.1)
0.52	>=0.20	GNAI3 (3.3)	TOP1 (2.9)	NRBP1 (2.7)
0.52	>=0.20	ZNF513 (3.0)	ABO (2.6)	LPL (2.5)
0.52	>=0.20	TIMD4 (3.1)	PBX4 (3.0)	CETP (2.2)
0.52	>=0.20	TRIM54 (6.0)	SYPL2 (5.9)	PVRL2 (3.1)
0.52	>=0.20	CARM1 (3.3)	OTX1 (3.1)	NYNRIN (2.4)
0.52	>=0.20	KPNB1 (3.3)	SMARCA4 (3.1)	CEP250 (3.0)
0.52	>=0.20	TRAM2 (2.7)	ABCA6 (2.3)	ENSG00000231204 (2
0.52	>=0.20	DNAH11 (1.9)	ENSG00000254235 (1	GPR61 (1.8)
0.52	>=0.20	SARS (2.8)	DARS (2.6)	ZNF259 (2.4)
0.52	>=0.20	OASL (8.7)	PARP10 (6.5)	IZUMO1 (2.2)
0.52	>=0.20	OASL (8.7)	PARP10 (6.5)	IZUMO1 (2.2)
0.52	>=0.20	OTX1 (2.7)	NFE2L3 (2.6)	C11orf9 (2.6)
0.52	>=0.20	MCM6 (3.7)	USP1 (3.4)	FEN1 (3.0)
0.52	>=0.20	MCM6 (3.7)	USP1 (3.4)	FEN1 (3.0)
0.52	>=0.20	TRAM2 (2.9)	ST3GAL4 (2.5)	ZHX3 (1.7)
0.52	>=0.20	LPL (4.6)	GPAM (3.0)	SLC22A2 (2.6)
0.52	>=0.20	PLEC (4.1)	ZHX3 (2.6)	PLCG1 (2.6)
0.52	>=0.20	LCT (2.9)	TRIM54 (2.6)	TBKBP1 (2.4)
0.52	>=0.20	AMIGO1 (2.9)	PMFBP1 (2.5)	ABCA1 (2.0)
0.52	>=0.20	TXNL4B (4.4)	IST1 (3.5)	ZNF513 (3.4)
0.52	>=0.20	RELB (3.3)	ZNF513 (2.4)	RAB3GAP1 (2.2)
0.52	>=0.20	FADS1 (3.3)	APOC1 (3.3)	GSTM5 (2.5)
0.52	>=0.20	FUT1 (2.8)	GSTM4 (2.7)	POLK (2.4)
0.52	>=0.20	MAMSTR (3.4)	SYPL2 (3.3)	SORT1 (2.7)
0.52	>=0.20	CYP26A1 (3.6)	ATXN7L2 (2.3)	ENSG00000254235 (2
0.52	>=0.20	POC5 (4.5)	CEP250 (4.2)	ZRANB3 (3.5)
0.52	>=0.20	GSTM4 (3.9)	ABCG8 (3.4)	FADS1 (2.8)
0.52	>=0.20	ST3GAL4 (2.3)	GSTM5 (2.0)	ENSG00000231204 (1

0.52	>=0.20	ZRANB3 (2.6)	R3HDM1 (2.4)	NYNRIN (2.3)
0.52	>=0.20	MAMSTR (6.2)	ABCA5 (3.0)	SYPL2 (3.0)
0.52	>=0.20	MAMSTR (6.2)	ABCA5 (3.0)	SYPL2 (3.0)
0.52	>=0.20	TIMD4 (3.0)	PBX4 (2.9)	CETP (2.0)
0.52	>=0.20	PPM1G (3.4)	TOMM40 (3.1)	SARS (2.7)
0.52	>=0.20	ENSG00000254235 (2	GSTM5 (2.1)	ENSG00000244861 (2
0.52	>=0.20	GATAD2A (2.5)	CARM1 (2.5)	GNAI3 (2.1)
0.52	>=0.20	MYLIP (3.1)	CETP (2.5)	RASIP1 (2.3)
0.52	>=0.20	DHODH (3.8)	ZNF259 (3.2)	C12orf43 (2.6)
0.52	>=0.20	ZHX3 (2.8)	FGF21 (2.6)	NRBP1 (2.4)
0.52	>=0.20	CILP2 (2.7)	MAFB (2.3)	BCAM (2.1)
0.52	>=0.20	NFE2L3 (2.9)	RELB (2.7)	DNAH11 (2.2)
0.52	>=0.20	SYPL2 (5.5)	TRIM54 (4.5)	USP24 (3.2)
0.52	>=0.20	APOE (2.9)	USP24 (2.7)	CYP26A1 (2.3)
0.52	>=0.20	CLPTM1 (3.9)	GRINA (3.3)	ATP13A1 (2.7)
0.52	>=0.20	ENSG00000226648 (3	ENSG00000236267 (3	ABO (3.6)
0.52	>=0.20	PSRC1 (2.6)	OASL (2.4)	PVRL2 (2.2)
0.52	>=0.20	CYP26A1 (5.1)	GDF5 (2.2)	MYLIP (1.9)
0.52	>=0.20	YIPF2 (4.6)	ERGIC3 (3.5)	UBXN4 (3.5)
0.52	>=0.20	TRIM54 (3.0)	GOT2P1 (2.6)	PBX4 (2.1)
0.52	>=0.20	PBX4 (2.4)	IZUMO1 (1.9)	LDLR (1.6)
0.52	>=0.20	PGS1 (4.6)	RELB (3.2)	PARP10 (3.2)
0.52	>=0.20	GNAT2 (6.5)	RP1 (6.5)	ENSG00000235545 (2
0.52	>=0.20	SMARCA4 (3.2)	TOP1 (3.1)	NUP93 (3.0)
0.52	>=0.20	ABCA6 (3.3)	NFE2L3 (2.5)	BCAM (2.4)
0.52	>=0.20	SLC22A2 (4.6)	GSTM4 (4.5)	TM6SF2 (2.7)
0.52	>=0.20	TRIB1 (2.8)	MAFB (2.6)	CYP26A1 (2.4)
0.52	>=0.20	NUP93 (2.9)	POC5 (2.9)	PSMA5 (2.9)
0.52	>=0.20	OASL (8.6)	PARP10 (6.7)	IZUMO1 (2.2)
0.52	>=0.20	MAFB (2.4)	LPA (2.1)	ENSG00000226806 (2
0.52	>=0.20	SARS (2.7)	COL4A3BP (2.6)	USP24 (2.2)
0.53	>=0.20	GATAD2A (3.1)	SLC44A2 (3.0)	RELB (2.5)
0.53	>=0.20	CILP2 (3.0)	ATXN1L (2.5)	RAB3GAP1 (2.1)
0.53	>=0.20	IST1 (3.4)	NRBP1 (3.1)	PLEC (2.9)
0.53	>=0.20	MAMSTR (3.1)	SLC22A2 (2.9)	SYPL2 (2.3)
0.53	>=0.20	KRTCAP3 (2.6)	C11orf9 (2.3)	LPAR2 (2.0)
0.53	>=0.20	GNAT2 (6.0)	RP1 (5.1)	GPR61 (2.2)
0.53	>=0.20	NYNRIN (4.9)	BCAM (2.8)	LIPG (2.4)
0.53	>=0.20	TRAM2 (2.9)	LPAR2 (2.3)	KRTCAP3 (1.9)
0.53	>=0.20	SUGP1 (3.0)	ZNF259 (2.5)	TXNL4B (2.4)
0.53	>=0.20	MCM6 (8.0)	FEN1 (7.1)	USP1 (5.9)
0.53	>=0.20	C11orf9 (3.8)	CYP26A1 (2.5)	BMPR2 (2.2)
0.53	>=0.20	COL4A3BP (2.7)	IGF2R (2.3)	GRINA (2.2)
0.53	>=0.20	OBP2B (3.7)	ABO (2.2)	CYB561D1 (1.9)
0.53	>=0.20	RELB (5.8)	PARP10 (4.1)	GMIP (3.3)
0.53	>=0.20	OTX1 (3.5)	CELSR2 (2.8)	NCAN (2.7)
0.53	>=0.20	DHODH (3.6)	ATXN1L (3.6)	IST1 (2.8)
0.53	>=0.20	GPR61 (3.2)	GOT2P1 (2.6)	PBX4 (2.4)
0.53	>=0.20	DNAH11 (3.2)	NCAN (2.9)	HNF4A (2.8)
0.53	>=0.20	USP24 (3.5)	PLEC (3.2)	COL4A3BP (2.4)

0.53 >=0.20	PLEC (3.6)	APOE (2.2)	CEP250 (2.0)
0.53 >=0.20	SUMO1 (2.4)	TIMD4 (2.2)	ENSG00000244861 (1
0.53 >=0.20	MCM6 (3.9)	OASL (3.7)	FEN1 (3.6)
0.53 >=0.20	TRIB1 (2.5)	PGS1 (2.4)	DOCK7 (2.3)
0.53 >=0.20	SNX17 (3.7)	NRBP1 (3.7)	NFE2L3 (2.8)
0.53 >=0.20	TRIB1 (2.2)	SUMO1 (2.1)	RASIP1 (2.0)
0.53 >=0.20	DHODH (3.2)	CARM1 (3.1)	R3HDM1 (2.9)
0.53 >=0.20	IZUMO1 (2.3)	LCT (2.2)	AMPD2 (2.1)
0.53 >=0.20	MCM6 (6.6)	FEN1 (5.8)	USP1 (4.8)
0.53 >=0.20	BCAM (3.5)	PVRL2 (2.8)	KRTCAP3 (2.6)
0.53 >=0.20	FUT2 (3.0)	CYP26A1 (2.6)	CILP2 (2.4)
0.53 >=0.20	SNX17 (3.6)	ATP13A1 (3.1)	ENSG00000235545 (2
0.53 >=0.20	RELB (2.9)	CARM1 (2.8)	TRIB1 (2.6)
0.53 >=0.20	ZNF821 (3.1)	CYP26A1 (2.8)	ABO (2.7)
0.53 >=0.20	MCM6 (6.6)	FEN1 (5.7)	USP1 (5.6)
0.53 >=0.20	USP24 (2.5)	PARP10 (2.2)	FUT1 (2.1)
0.53 >=0.20	PLEC (3.8)	GSTM4 (2.3)	GATAD2A (2.2)
0.53 >=0.20	RELB (2.5)	CYP26A1 (2.4)	IGF2R (2.3)
0.53 >=0.20	HNF1A (2.9)	BCAM (2.4)	ENSG00000236436 (2
0.53 >=0.20	RELB (4.1)	TRIB1 (2.9)	SUMO1 (2.2)
0.53 >=0.20	GPAM (2.6)	SLC22A2 (2.4)	LPL (2.3)
0.53 >=0.20	OTX1 (4.1)	ENSG00000235545 (2	NYNRIN (2.7)
0.53 >=0.20	SLC44A2 (2.5)	BMPR2 (2.1)	AMPD2 (1.9)
0.53 >=0.20	UBXN4 (4.0)	ERGIC3 (3.6)	YIPF2 (3.6)
0.53 >=0.20	PSMA5 (3.2)	PPM1G (2.9)	KPNB1 (2.8)
0.53 >=0.20	ZRANB3 (2.3)	CEP250 (2.3)	EHBP1 (2.2)
0.53 >=0.20	CYP26A1 (3.2)	OTX1 (3.2)	NYNRIN (2.3)
0.53 >=0.20	C11orf9 (3.6)	RASIP1 (3.2)	TRIM54 (3.1)
0.53 >=0.20	PLCG1 (3.4)	HAVCR1 (2.5)	GRINA (2.5)
0.53 >=0.20	TIMD4 (3.1)	PBX4 (3.0)	CETP (2.1)
0.53 >=0.20	SYPL2 (4.1)	DNAH11 (2.4)	TXNL4B (2.1)
0.53 >=0.20	RELB (3.2)	ENSG00000226806 (2	LPL (2.6)
0.54 >=0.20	ENSG00000226622 (3	YSK4 (2.6)	GSTM4 (2.4)
0.54 >=0.20	MAP3K4 (3.2)	MAU2 (2.5)	USP24 (2.1)
0.54 >=0.20	IST1 (2.8)	TOP1 (2.6)	NOP58 (2.4)
0.54 >=0.20	TOMM40 (2.1)	ATXN7L2 (1.9)	PSMA5 (1.7)
0.54 >=0.20	ENSG00000244861 (2	GSTM4 (2.3)	SLC22A2 (2.2)
0.54 >=0.20	TRIM54 (2.2)	ABCA6 (2.0)	ATXN7L2 (1.8)
0.54 >=0.20	ZNF259 (4.0)	SARS (3.9)	SUGP1 (3.4)
0.54 >=0.20	COL4A3BP (3.2)	SLC44A2 (3.0)	CARM1 (2.6)
0.54 >=0.20	SARS (5.1)	FGF21 (3.6)	PVRL2 (2.8)
0.54 >=0.20	MCM6 (4.4)	FEN1 (4.3)	ZRANB3 (4.1)
0.54 >=0.20	SMARCA4 (3.6)	TRIB1 (2.8)	GATAD2A (2.5)
0.54 >=0.20	MYLIP (3.3)	CEP250 (3.0)	PPM1G (2.4)
0.54 >=0.20	TBKBP1 (2.6)	ENSG00000236436 (2	NYNRIN (2.3)
0.54 >=0.20	GNAI3 (3.2)	DARS (2.7)	IST1 (2.6)
0.54 >=0.20	YIPF2 (2.9)	PSRC1 (2.4)	CBLC (2.2)
0.54 >=0.20	OTX1 (3.4)	CILP2 (2.9)	GDF5 (2.8)
0.54 >=0.20	CYP26A1 (3.5)	ABO (3.4)	ENSG00000236267 (2
0.54 >=0.20	PPM1G (3.9)	KPNB1 (3.6)	SNX17 (3.4)

0.54	>=0.20	KANK2 (3.3)	PLEC (3.1)	KPNB1 (2.2)
0.54	>=0.20	SLC44A2 (3.0)	TRIB1 (2.9)	KANK2 (2.2)
0.54	>=0.20	MCM6 (6.3)	FEN1 (5.2)	USP1 (5.2)
0.54	>=0.20	GDF5 (3.3)	NYNRIN (2.9)	BMPR2 (2.7)
0.54	>=0.20	GATAD2A (3.2)	TOP1 (2.8)	GNAI3 (2.4)
0.54	>=0.20	USP24 (3.8)	PLEC (3.1)	COL4A3BP (2.5)
0.54	>=0.20	NFE2L3 (2.6)	POC5 (2.5)	ENSG00000226645 (2
0.54	>=0.20	TOMM40 (2.1)	LPIN3 (1.9)	SARS (1.7)
0.54	>=0.20	TOMM40 (2.1)	LPIN3 (1.9)	SARS (1.7)
0.54	>=0.20	CBLC (5.6)	KRTCAP3 (3.3)	FUT1 (3.0)
0.54	>=0.20	ENSG00000254235 (4	LPAL2 (2.6)	SPATC1 (2.5)
0.54	>=0.20	ENSG00000254235 (4	LPAL2 (2.6)	SPATC1 (2.5)
0.54	>=0.20	NCAN (3.5)	NYNRIN (3.4)	DHODH (2.7)
0.54	>=0.20	YSK4 (4.5)	DNAH11 (4.1)	ENSG00000182329 (3
0.54	>=0.20	SYPL2 (3.4)	PLG (3.1)	SLC22A2 (2.9)
0.54	>=0.20	ZHX3 (3.1)	EHBP1 (2.7)	NRBP1 (2.4)
0.54	>=0.20	BCAM (3.7)	CBLC (3.6)	CELSR2 (2.9)
0.54	>=0.20	TOP1 (3.2)	GATAD2A (3.0)	TBKBP1 (2.7)
0.54	>=0.20	YIPF2 (4.2)	FUT2 (3.7)	ERGIC3 (3.5)
0.54	>=0.20	LCT (3.2)	APOA4 (2.7)	TM6SF2 (2.4)
0.54	>=0.20	LPIN3 (3.2)	DOCK6 (3.1)	CBLC (3.0)
0.54	>=0.20	MCM6 (7.1)	FEN1 (6.6)	USP1 (5.2)
0.54	>=0.20	CILP2 (2.7)	ENSG00000226648 (2	TBKBP1 (2.2)
0.54	>=0.20	SLC22A3 (3.2)	AMIGO1 (2.1)	ABCA6 (2.1)
0.54	>=0.20	SMARCA4 (3.1)	GNAI3 (2.5)	KPNB1 (2.4)
0.54	>=0.20	MAMSTR (2.8)	ENSG00000244861 (2	NCAN (2.5)
0.54	>=0.20	CLPTM1 (2.7)	GATAD2A (2.5)	ERGIC3 (2.3)
0.54	>=0.20	C11orf9 (2.3)	LPAL2 (2.1)	ABO (1.7)
0.54	>=0.20	ABCA6 (2.6)	PBX4 (1.9)	COL4A3BP (1.7)
0.54	>=0.20	DOCK7 (3.4)	ENSG00000226806 (3	TIMD4 (3.0)
0.54	>=0.20	RELB (5.9)	PVR (2.8)	PARP10 (2.8)
0.54	>=0.20	RP1 (6.4)	GNAT2 (4.7)	ENSG00000236267 (2
0.54	>=0.20	LPL (4.1)	FER1L4 (3.6)	ST3GAL4 (3.2)
0.54	>=0.20	RASIP1 (3.0)	DOCK6 (2.8)	PGS1 (2.7)
0.54	>=0.20	ENSG00000182329 (3	OTX1 (2.8)	ATXN7L2 (2.4)
0.54	>=0.20	ENSG00000236436 (3	SLC22A2 (2.6)	BCAM (2.4)
0.54	>=0.20	GMIP (3.2)	PLCG1 (2.6)	ENSG00000226806 (2
0.54	>=0.20	CARM1 (3.0)	KPNB1 (2.8)	BUD13 (2.7)
0.54	>=0.20	BUD13 (3.2)	NUP93 (3.1)	DHX38 (2.9)
0.54	>=0.20	ZNF513 (3.3)	ATXN7L2 (2.8)	BUD13 (2.8)
0.54	>=0.20	USP24 (2.7)	AMPD2 (2.2)	DOCK7 (1.9)
0.54	>=0.20	RASIP1 (2.9)	ENSG00000254235 (2	GMIP (2.2)
0.54	>=0.20	NOP58 (4.8)	ZNF259 (3.6)	TOMM40 (3.3)
0.54	>=0.20	TRIM54 (6.2)	KANK2 (3.0)	SYPL2 (3.0)
0.54	>=0.20	MCM6 (4.4)	USP1 (3.4)	FEN1 (3.4)
0.54	>=0.20	TOMM40 (3.6)	NOP58 (3.0)	ZNF259 (2.8)
0.54	>=0.20	TSSK6 (7.7)	PMFBP1 (5.0)	SPATC1 (3.4)
0.54	>=0.20	ENSG00000244861 (3	GSTM4 (2.1)	C19orf52 (2.1)
0.54	>=0.20	ENSG00000231204 (3	AMIGO1 (2.6)	PMFBP1 (2.4)
0.54	>=0.20	CARM1 (3.5)	SMARCA4 (3.0)	GRINA (2.2)

0.54	>=0.20	PVR (2.8)	SARS (2.7)	RELB (2.7)
0.54	>=0.20	ENSG00000226622 (2	C17orf57 (2.2)	PGS1 (2.0)
0.54	>=0.20	CILP2 (3.3)	PLEC (3.3)	PLG (2.5)
0.54	>=0.20	C17orf57 (2.4)	IST1 (2.3)	DARS (2.3)
0.54	>=0.20	PGS1 (3.3)	NPEPPS (2.6)	IST1 (2.6)
0.54	>=0.20	MCM6 (5.0)	FEN1 (4.6)	USP1 (3.6)
0.55	>=0.20	ZNF513 (3.2)	ENSG00000226645 (3	KANK2 (1.9)
0.55	>=0.20	GNAT2 (5.6)	RP1 (5.3)	YSK4 (2.7)
0.55	>=0.20	BCAM (2.6)	LIPG (2.4)	LDLR (2.1)
0.55	>=0.20	C12orf43 (3.7)	DARS (3.1)	ZNF259 (3.0)
0.55	>=0.20	YIPF2 (3.9)	MAU2 (3.6)	ERGIC3 (2.5)
0.55	>=0.20	ENSG00000231204 (2	OASL (2.3)	ABO (2.1)
0.55	>=0.20	RELB (3.3)	PGS1 (2.3)	GMIP (2.2)
0.55	>=0.20	SLC44A2 (3.6)	PBX4 (3.1)	PLCG1 (2.8)
0.55	>=0.20	PSMA5 (4.1)	UBXN4 (3.6)	SNX17 (2.3)
0.55	>=0.20	NPEPPS (3.7)	DOCK7 (2.4)	PPM1G (2.4)
0.55	>=0.20	OTX1 (5.1)	NCAN (3.0)	EHBP1 (2.6)
0.55	>=0.20	CEP250 (2.8)	GRINA (2.4)	C19orf52 (2.3)
0.55	>=0.20	MAMSTR (3.5)	BMPR2 (3.5)	KANK2 (2.8)
0.55	>=0.20	AMIGO1 (3.4)	MAMSTR (3.2)	KANK2 (2.7)
0.55	>=0.20	NOP58 (2.3)	ENSG00000236267 (1	GATAD2A (1.4)
0.55	>=0.20	ENSG00000244861 (2	SNX17 (1.8)	TBKBP1 (1.7)
0.55	>=0.20	ENSG00000244861 (2	SNX17 (1.8)	TBKBP1 (1.7)
0.55	>=0.20	ENSG00000182329 (2	LCT (2.2)	CYB561D1 (1.8)
0.55	>=0.20	TRIM54 (7.4)	SYPL2 (7.4)	MAMSTR (2.8)
0.55	>=0.20	BUD13 (2.5)	DARS (2.3)	ZNF259 (2.3)
0.55	>=0.20	SYPL2 (3.4)	TRIM54 (2.6)	LCT (2.5)
0.55	>=0.20	C11orf9 (4.5)	LCT (4.1)	TM6SF2 (2.7)
0.55	>=0.20	C12orf43 (2.9)	NOP58 (2.8)	PPM1G (2.5)
0.55	>=0.20	CYP26A1 (2.5)	ENSG00000244861 (2	OBP2B (2.2)
0.55	>=0.20	BMPR2 (5.3)	CYP26A1 (2.9)	ENSG00000228044 (2
0.55	>=0.20	GOT2P1 (3.9)	LPAL2 (3.0)	ABO (2.3)
0.55	>=0.20	SUGP1 (3.1)	BUD13 (2.9)	DHX38 (2.9)
0.55	>=0.20	ZHX3 (3.9)	PLEC (2.8)	MYLIP (2.3)
0.55	>=0.20	GNAT2 (6.7)	RP1 (6.1)	ENSG00000228044 (3
0.55	>=0.20	LPL (4.1)	RASIP1 (3.7)	BCAM (2.7)
0.55	>=0.20	GNAI3 (3.1)	GMIP (2.9)	PLEC (2.2)
0.55	>=0.20	GDF5 (3.9)	ZHX3 (2.5)	MAFB (2.4)
0.55	>=0.20	MCM6 (7.5)	FEN1 (6.7)	USP1 (5.1)
0.55	>=0.20	PARP10 (2.4)	ATXN1L (2.2)	C17orf57 (2.2)
0.55	>=0.20	ZNF259 (4.5)	NOP58 (4.1)	DARS (3.2)
0.55	>=0.20	UBXN4 (4.1)	PSMA5 (3.4)	NFE2L3 (2.4)
0.55	>=0.20	KRTCAP3 (4.1)	SLC44A2 (4.0)	PBX4 (2.9)
0.55	>=0.20	BCAM (2.7)	LIPG (2.6)	PVRL2 (2.5)
0.55	>=0.20	YIPF2 (4.0)	ATP13A1 (2.3)	CLPTM1 (2.1)
0.55	>=0.20	CLPTM1 (4.0)	GRINA (2.8)	NRBP1 (2.0)
0.55	>=0.20	ST3GAL4 (2.5)	TBKBP1 (2.2)	DNAH11 (2.0)
0.55	>=0.20	TIMD4 (2.6)	PBX4 (2.4)	NFE2L3 (2.0)
0.55	>=0.20	CYP26A1 (2.9)	OTX1 (2.2)	TRIB1 (1.7)
0.55	>=0.20	ENSG00000226806 (2	FUT2 (2.7)	ENSG00000231204 (2

0.55	>=0.20	C17orf57 (2.8)	LPIN3 (2.5)	ENSG00000231204 (2
0.55	>=0.20	GDF5 (2.4)	NYNRIN (2.4)	CELSR2 (2.3)
0.55	>=0.20	ENSG00000236267 (4	ABO (3.9)	OBP2B (2.7)
0.55	>=0.20	GATAD2A (2.7)	MAFB (2.5)	MYLIP (2.3)
0.55	>=0.20	ENSG00000226806 (4	PBX4 (3.0)	IZUMO1 (2.5)
0.55	>=0.20	SLC22A2 (3.9)	HNF4A (2.0)	ENSG00000231204 (1
0.55	>=0.20	GDF5 (2.4)	USP24 (2.2)	GMIP (2.2)
0.55	>=0.20	FGF21 (2.5)	MAMSTR (2.4)	GOT2P1 (2.4)
0.55	>=0.20	MAMSTR (4.6)	BCAM (2.6)	SYPL2 (2.2)
0.55	>=0.20	SUGP1 (3.7)	DHX38 (3.0)	ZNF259 (2.1)
0.55	>=0.20	ENSG00000236436 (4	FER1L4 (2.9)	LPAL2 (2.8)
0.55	>=0.20	KPNB1 (2.4)	NFE2L3 (2.0)	YSK4 (1.9)
0.55	>=0.20	KPNB1 (2.4)	NFE2L3 (2.0)	YSK4 (1.9)
0.55	>=0.20	TBKBP1 (2.5)	OBP2B (1.5)	GMIP (1.3)
0.55	>=0.20	NYNRIN (5.4)	PLCG1 (2.9)	GDF5 (2.5)
0.55	>=0.20	ENSG00000235545 (3	LCT (2.9)	NYNRIN (2.0)
0.55	>=0.20	RELB (4.9)	PARP10 (3.5)	ST3GAL4 (3.0)
0.55	>=0.20	NUP93 (2.6)	CARM1 (2.5)	DHX38 (2.2)
0.55	>=0.20	RELB (5.8)	NFE2L3 (3.0)	OASL (2.7)
0.55	>=0.20	CILP2 (3.6)	TRAM2 (3.2)	GDF5 (2.2)
0.55	>=0.20	ZNF821 (3.0)	ENSG00000226648 (2	ABO (2.5)
0.55	>=0.20	ERGIC3 (3.3)	BCAM (2.7)	CELSR2 (2.7)
0.55	>=0.20	USP24 (2.4)	TOMM40 (1.8)	TXNL4B (1.8)
0.55	>=0.20	USP24 (2.4)	TOMM40 (1.8)	TXNL4B (1.8)
0.55	>=0.20	SUMO1 (2.8)	APOC4 (2.3)	GSTM4 (1.9)
0.55	>=0.20	ENSG00000231204 (3	PMFBP1 (2.5)	AMIGO1 (2.5)
0.55	>=0.20	USP1 (4.4)	MCM6 (3.6)	FEN1 (3.2)
0.56	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	PVR (1.8)
0.56	>=0.20	USP24 (2.4)	PGS1 (2.3)	PPM1G (2.3)
0.56	>=0.20	FEN1 (3.7)	MCM6 (3.6)	RELB (2.8)
0.56	>=0.20	NRBP1 (3.5)	SARS (3.3)	YIPF2 (3.3)
0.56	>=0.20	ERGIC3 (4.9)	YIPF2 (3.3)	CLPTM1 (3.0)
0.56	>=0.20	KRTCAP3 (2.9)	GRINA (2.5)	PLEC (2.2)
0.56	>=0.20	PARP10 (4.0)	PGS1 (3.2)	LCT (3.1)
0.56	>=0.20	USP24 (2.2)	NRBP1 (2.2)	ZNF513 (2.1)
0.56	>=0.20	APOA4 (3.9)	SYPL2 (3.5)	TM6SF2 (3.3)
0.56	>=0.20	MAP3K4 (2.9)	MYLIP (2.6)	ENSG00000226645 (2
0.56	>=0.20	EHBP1 (2.8)	ENSG00000236436 (2	NYNRIN (1.7)
0.56	>=0.20	CYP26A1 (3.4)	NYNRIN (3.3)	ABO (3.1)
0.56	>=0.20	OTX1 (6.2)	NCAN (4.0)	ENSG00000226806 (2
0.56	>=0.20	NCAN (5.1)	FNDC4 (2.7)	ENSG00000254235 (2
0.56	>=0.20	RELB (5.7)	GMIP (2.2)	PVR (2.1)
0.56	>=0.20	IST1 (2.7)	TXNL4B (2.4)	SUGP1 (2.2)
0.56	>=0.20	OTX1 (3.0)	CILP2 (2.6)	CYP26A1 (2.3)
0.56	>=0.20	ENSG00000256731 (3	C17orf57 (3.1)	GOT2P1 (2.7)
0.56	>=0.20	FER1L4 (3.6)	NCAN (2.7)	SORT1 (2.0)
0.56	>=0.20	PSRC1 (5.6)	FEN1 (3.8)	POC5 (3.1)
0.56	>=0.20	CYP26A1 (2.8)	FUT2 (2.4)	CILP2 (2.2)
0.56	>=0.20	USP1 (5.6)	FEN1 (4.7)	MCM6 (4.1)
0.56	>=0.20	PCSK9 (3.1)	FADS1 (2.5)	TRIB1 (2.3)

0.56	>=0.20	RASIP1 (4.1)	TSSK6 (2.8)	GSTM5 (2.8)
0.56	>=0.20	ZNF513 (3.0)	ST3GAL4 (2.7)	LPAR2 (2.3)
0.56	>=0.20	NPEPPS (3.2)	UBXN4 (2.9)	NFE2L3 (2.4)
0.56	>=0.20	ENSG00000226622 (4	ENSG00000228044 (2	GOT2P1 (2.8)
0.56	>=0.20	NOP58 (4.0)	DARS (2.8)	ZNF259 (2.1)
0.56	>=0.20	HNF1A (3.2)	HAVCR1 (2.6)	ZNF821 (2.1)
0.56	>=0.20	USP24 (3.9)	PLEC (3.1)	GMIP (2.7)
0.56	>=0.20	MAMSTR (4.8)	CARM1 (3.4)	KANK2 (1.8)
0.56	>=0.20	BCAM (3.8)	NYNRIN (3.6)	TBKBP1 (2.7)
0.56	>=0.20	TOP1 (3.9)	R3HDM1 (3.5)	USP1 (3.3)
0.56	>=0.20	ENSG00000226622 (2	POLK (2.3)	FUT2 (2.1)
0.56	>=0.20	NCAN (3.2)	CELSR2 (2.7)	BMPR2 (2.4)
0.56	>=0.20	C12orf43 (3.4)	ZNF259 (2.6)	TOMM40 (2.3)
0.56	>=0.20	CYB561D1 (2.5)	ENSG00000231204 (2	OBP2B (2.2)
0.56	>=0.20	OBP2B (2.2)	CYP26A1 (1.9)	ABO (1.9)
0.56	>=0.20	NOP58 (2.8)	DARS (2.5)	ZNF259 (2.5)
0.56	>=0.20	NCAN (3.0)	C11orf9 (2.7)	ENSG00000226648 (1
0.56	>=0.20	CARM1 (3.1)	TXNL4B (2.2)	ZHX3 (2.0)
0.56	>=0.20	PVR (2.9)	ZNF821 (2.5)	PLCG1 (2.3)
0.56	>=0.20	ST3GAL4 (3.2)	ENSG00000235545 (2	LPAL2 (2.1)
0.56	>=0.20	OTX1 (3.2)	ENSG00000231204 (2	OBP2B (2.8)
0.56	>=0.20	RELB (3.6)	HAVCR1 (3.1)	NFE2L3 (2.5)
0.56	>=0.20	TRIM54 (3.4)	SYPL2 (3.2)	CILP2 (3.2)
0.56	>=0.20	GNAT2 (5.5)	RP1 (4.1)	TM6SF2 (1.9)
0.56	>=0.20	GNAT2 (4.5)	OBP2B (3.4)	RP1 (3.2)
0.56	>=0.20	TXNL4B (2.8)	GOT2P1 (2.8)	ENSG00000254235 (2
0.56	>=0.20	CLPTM1 (2.6)	EHBP1 (2.4)	PLEC (2.2)
0.56	>=0.20	ENSG00000226806 (4	PLCG1 (3.7)	TIMD4 (2.3)
0.56	>=0.20	CILP2 (3.7)	GDF5 (2.6)	MAFB (1.9)
0.56	>=0.20	NRBP1 (2.5)	CARM1 (2.3)	SMARCA4 (2.3)
0.56	>=0.20	TXNL4B (2.2)	PGS1 (2.1)	ST3GAL4 (2.0)
0.56	>=0.20	HAPLN4 (2.4)	NCAN (2.0)	SARS (1.7)
0.56	>=0.20	HAPLN4 (2.4)	NCAN (2.0)	SARS (1.7)
0.56	>=0.20	HAPLN4 (2.4)	NCAN (2.0)	SARS (1.7)
0.56	>=0.20	TRAM2 (2.3)	TRIB1 (2.2)	GSTM4 (2.0)
0.56	>=0.20	HNF1A (2.8)	HAVCR1 (2.4)	TRAM2 (2.0)
0.56	>=0.20	RELB (3.0)	PARP10 (2.9)	ST3GAL4 (2.3)
0.56	>=0.20	RELB (3.0)	PARP10 (2.9)	ST3GAL4 (2.3)
0.56	>=0.20	RELB (3.0)	PARP10 (2.9)	ST3GAL4 (2.3)
0.56	>=0.20	ENSG00000231204 (2	LPL (2.1)	BMPR2 (1.9)
0.56	>=0.20	HNF1A (3.9)	SLC22A2 (3.8)	HNF4A (3.5)
0.56	>=0.20	TRIM54 (6.7)	SYPL2 (3.7)	KANK2 (2.4)
0.56	>=0.20	GMIP (3.4)	SMARCA4 (2.7)	ZNF821 (2.6)
0.56	>=0.20	NRBP1 (3.1)	RAB3GAP1 (3.0)	SNX17 (2.7)
0.56	>=0.20	USP24 (4.1)	SUGP1 (2.9)	SMARCA4 (2.9)
0.56	>=0.20	GDF5 (2.1)	ENSG00000254235 (2	CILP2 (1.9)
0.57	>=0.20	KANK2 (2.2)	PCSK9 (2.0)	C11orf9 (2.0)
0.57	>=0.20	CELSR2 (2.5)	OBP2B (2.4)	RP1 (2.4)
0.57	>=0.20	BMPR2 (3.0)	ZNF821 (2.8)	MAP3K4 (2.7)
0.57	>=0.20	CLPTM1 (2.4)	GSTM4 (2.4)	LPL (2.3)

0.57	>=0.20	NPEPPS (3.2)	GATAD2A (2.9)	COL4A3BP (2.5)
0.57	>=0.20	PGS1 (3.4)	FUT2 (3.1)	GSTM4 (2.2)
0.57	>=0.20	UBXN4 (2.8)	IFT172 (2.6)	PGS1 (2.4)
0.57	>=0.20	RELB (5.3)	GMIP (3.5)	CETP (1.9)
0.57	>=0.20	NCAN (3.8)	ENSG00000254235 (2	ENSG00000236267 (2
0.57	>=0.20	ATP13A1 (3.0)	SNX17 (2.1)	GNAT2 (2.0)
0.57	>=0.20	SLC22A3 (3.1)	HAPLN4 (3.0)	CLPTM1 (2.2)
0.57	>=0.20	SLC22A2 (3.0)	PVR (2.8)	BCAM (2.6)
0.57	>=0.20	ATP13A1 (4.4)	CARM1 (3.1)	TOMM40 (3.0)
0.57	>=0.20	NYNRIN (3.5)	BMPR2 (3.5)	TRIB1 (3.2)
0.57	>=0.20	ST3GAL4 (2.6)	MAFB (2.5)	ENSG00000226622 (2
0.57	>=0.20	ENSG00000226622 (2	ENSG00000226645 (2	IST1 (2.4)
0.57	>=0.20	OBP2B (2.0)	ENSG00000236267 (1	GSTM4 (1.8)
0.57	>=0.20	CLPTM1 (2.7)	TOMM40 (2.5)	AMPD2 (2.4)
0.57	>=0.20	NRBP1 (2.7)	SNX17 (2.3)	COL4A3BP (2.2)
0.57	>=0.20	IST1 (2.6)	NOP58 (2.5)	TOP1 (2.2)
0.57	>=0.20	PVR (2.9)	GATAD2A (2.3)	PARP10 (2.3)
0.57	>=0.20	YIPF2 (4.1)	ERGIC3 (3.9)	GRINA (3.8)
0.57	>=0.20	ENSG00000231204 (3	PMFBP1 (2.6)	YSK4 (2.4)
0.57	>=0.20	ENSG00000231204 (3	PMFBP1 (2.6)	YSK4 (2.4)
0.57	>=0.20	RP1 (7.2)	GNAT2 (6.8)	GSTM5 (3.0)
0.57	>=0.20	GPR61 (3.1)	OBP2B (2.9)	CELSR2 (2.5)
0.57	>=0.20	HNF1A (2.9)	ATP13A1 (2.2)	PPM1G (1.9)
0.57	>=0.20	SUGP1 (3.1)	TOMM40 (2.6)	BUD13 (2.2)
0.57	>=0.20	LDLR (4.3)	ENSG00000256731 (2	COL4A3BP (2.8)
0.57	>=0.20	ZNF513 (2.8)	OASL (2.3)	CYB561D1 (2.2)
0.57	>=0.20	MAP3K4 (3.3)	C19orf52 (2.8)	DNAH11 (2.0)
0.57	>=0.20	FEN1 (6.1)	MCM6 (6.1)	USP1 (4.4)
0.57	>=0.20	SUMO1 (3.8)	SUGP1 (3.2)	ZNF259 (2.7)
0.57	>=0.20	GPR61 (2.7)	ENSG00000236436 (2	ENSG00000256731 (2
0.57	>=0.20	RP1 (6.9)	GNAT2 (5.8)	GPR61 (3.2)
0.57	>=0.20	RP1 (9.1)	GNAT2 (6.1)	NCAN (2.6)
0.57	>=0.20	PVR (3.1)	HAVCR1 (3.1)	CILP2 (2.6)
0.57	>=0.20	C19orf52 (2.4)	GPR61 (2.3)	ENSG00000228044 (2
0.57	>=0.20	FGF21 (2.5)	LPL (2.2)	GPAM (2.1)
0.57	>=0.20	FEN1 (3.9)	MCM6 (3.6)	USP1 (3.2)
0.57	>=0.20	NYNRIN (2.6)	BUD13 (2.5)	GOT2P1 (2.3)
0.57	>=0.20	SYPL2 (3.6)	LPL (3.6)	TRIM54 (2.9)
0.57	>=0.20	NOP58 (4.7)	ZNF259 (3.5)	SARS (3.4)
0.57	>=0.20	CEP250 (2.4)	C19orf52 (2.3)	GRINA (2.1)
0.57	>=0.20	RASIP1 (3.2)	IST1 (2.7)	CBLC (2.6)
0.57	>=0.20	ENSG00000226648 (2	MYLIP (2.6)	SLC44A2 (2.5)
0.57	>=0.20	CELSR2 (2.0)	CYP26A1 (2.0)	CILP2 (2.0)
0.57	>=0.20	MCM6 (2.8)	USP1 (2.6)	PSRC1 (2.4)
0.57	>=0.20	SLC22A2 (3.0)	HAPLN4 (2.7)	ABCG8 (2.6)
0.57	>=0.20	CILP2 (2.5)	CYP26A1 (2.2)	ENSG00000226648 (2
0.57	>=0.20	MCM6 (6.4)	FEN1 (5.2)	USP1 (4.8)
0.57	>=0.20	DHODH (2.9)	TXNL4B (2.8)	SUMO1 (2.5)
0.57	>=0.20	ATXN1L (2.7)	ENSG00000236436 (2	GNAI3 (2.4)
0.57	>=0.20	ATXN1L (2.7)	ENSG00000236436 (2	GNAI3 (2.4)

0.57	>=0.20	FUT2 (2.4)	ST3GAL4 (2.3)	YIPF2 (2.2)
0.57	>=0.20	USP1 (4.1)	CEP250 (2.3)	TOP1 (2.3)
0.57	>=0.20	SUMO1 (2.7)	DHODH (2.2)	ENSG00000236267 (2
0.57	>=0.20	SUMO1 (2.7)	DHODH (2.2)	ENSG00000236267 (2
0.57	>=0.20	CILP2 (3.0)	ENSG00000244861 (2	CEP250 (2.3)
0.57	>=0.20	GSTM5 (3.6)	ENSG00000182329 (3	AMIGO1 (2.6)
0.58	>=0.20	HAPLN4 (3.3)	NCAN (2.6)	RP1 (2.5)
0.58	>=0.20	GOT2P1 (2.3)	ABCG8 (1.5)	ENSG00000236436 (1
0.58	>=0.20	MAMSTR (3.6)	NPEPPS (3.0)	TRAM2 (2.0)
0.58	>=0.20	EHBP1 (2.9)	CYP26A1 (2.7)	FUT2 (2.5)
0.58	>=0.20	RELB (4.4)	NFE2L3 (2.7)	PBX4 (2.6)
0.58	>=0.20	YIPF2 (3.8)	SUGP1 (2.8)	UBXN4 (2.8)
0.58	>=0.20	GDF5 (2.7)	GMIP (2.4)	MAU2 (2.4)
0.58	>=0.20	PLCG1 (3.6)	GMIP (3.3)	LCT (2.7)
0.58	>=0.20	ZHX3 (3.7)	TRIB1 (3.1)	NCAN (2.6)
0.58	>=0.20	KANK2 (3.8)	CETP (3.1)	TIMD4 (2.2)
0.58	>=0.20	HAVCR1 (2.4)	KANK2 (2.1)	FUT2 (1.9)
0.58	>=0.20	FGF21 (3.2)	LPAL2 (2.9)	GSTM4 (2.6)
0.58	>=0.20	TIMD4 (2.9)	CETP (2.6)	SLC44A2 (2.0)
0.58	>=0.20	ST3GAL4 (2.9)	BMPR2 (2.2)	TSSK6 (2.1)
0.58	>=0.20	ZHX3 (3.3)	GDF5 (3.0)	BMPR2 (2.2)
0.58	>=0.20	GDF5 (3.5)	OASL (2.7)	POLK (2.5)
0.58	>=0.20	SLC22A2 (6.0)	HNF4A (3.0)	CBLC (3.0)
0.58	>=0.20	C11orf9 (3.0)	BCAM (2.8)	ATXN1L (2.8)
0.58	>=0.20	ZNF513 (3.5)	OASL (2.8)	BUD13 (2.3)
0.58	>=0.20	OASL (6.0)	MAU2 (3.1)	IZUMO1 (2.3)
0.58	>=0.20	YIPF2 (3.7)	RAB3GAP1 (2.7)	LPAR2 (2.6)
0.58	>=0.20	RAB3GAP1 (2.9)	YIPF2 (2.3)	CLPTM1 (2.3)
0.58	>=0.20	LPL (3.2)	RP1 (2.3)	ST3GAL4 (1.8)
0.58	>=0.20	PLCG1 (2.7)	PBX4 (2.6)	ABCA6 (2.6)
0.58	>=0.20	PBX4 (2.4)	CEP250 (2.0)	POC5 (1.9)
0.58	>=0.20	PLCG1 (2.7)	PARP10 (2.5)	PGS1 (2.4)
0.58	>=0.20	OBP2B (4.1)	PMFBP1 (2.4)	ENSG00000226806 (2
0.58	>=0.20	BCAM (3.7)	AMIGO1 (2.4)	PGS1 (1.9)
0.58	>=0.20	USP24 (4.3)	COL4A3BP (3.4)	CARM1 (2.2)
0.58	>=0.20	C11orf9 (2.9)	LCT (1.9)	COL4A3BP (1.9)
0.58	>=0.20	C12orf43 (3.1)	ZNF259 (2.7)	SUGP1 (2.7)
0.58	>=0.20	GPR61 (2.1)	ABCA6 (2.0)	ABCA5 (2.0)
0.58	>=0.20	FNDC4 (2.6)	GNAT2 (2.2)	GSTM5 (2.1)
0.58	>=0.20	YIPF2 (4.9)	FUT2 (2.6)	CLPTM1 (2.5)
0.58	>=0.20	C12orf43 (2.9)	GNAI3 (2.6)	SPATC1 (2.4)
0.58	>=0.20	C11orf9 (3.1)	ENSG00000226645 (2	FNDC4 (1.9)
0.58	>=0.20	RELB (5.1)	NFE2L3 (2.7)	PLEC (2.0)
0.58	>=0.20	ABCA1 (2.9)	PVR (2.2)	PGS1 (1.8)
0.58	>=0.20	CARM1 (3.4)	IGF2R (3.0)	ZHX3 (3.0)
0.58	>=0.20	DHX38 (3.4)	TOP1 (3.2)	SUGP1 (3.2)
0.58	>=0.20	C19orf52 (2.8)	SMARCA4 (2.5)	USP1 (2.2)
0.58	>=0.20	C19orf52 (2.8)	SMARCA4 (2.5)	USP1 (2.2)
0.58	>=0.20	C11orf9 (3.3)	NYNRIN (2.6)	CYP26A1 (2.1)
0.58	>=0.20	PLCG1 (3.2)	PARP10 (2.9)	ENSG00000226806 (2

0.58	>=0.20	SMARCA4 (3.2)	PLEC (3.0)	CLPTM1 (2.7)
0.58	>=0.20	FUT2 (2.7)	HNF4A (2.7)	SLC22A2 (2.4)
0.58	>=0.20	ENSG00000254235 (2	C17orf57 (2.3)	TSSK6 (2.2)
0.58	>=0.20	PLEC (2.5)	TRIM54 (2.3)	SYPL2 (1.9)
0.58	>=0.20	CILP2 (2.1)	C11orf9 (2.0)	PLEC (1.6)
0.58	>=0.20	GMIP (2.9)	ENSG00000226806 (2	HP (2.1)
0.58	>=0.20	ZNF513 (3.1)	SUGP1 (3.0)	C19orf52 (2.9)
0.58	>=0.20	FUT2 (2.4)	CILP2 (2.3)	MAFB (2.3)
0.58	>=0.20	OASL (2.6)	ATP13A1 (2.4)	NFE2L3 (2.2)
0.58	>=0.20	AMIGO1 (3.0)	GPAM (2.6)	LPL (2.4)
0.58	>=0.20	KPNB1 (3.2)	SLC22A3 (2.3)	ZNF821 (2.3)
0.58	>=0.20	RP1 (7.0)	GNAT2 (7.0)	OBP2B (1.9)
0.58	>=0.20	DARS (4.0)	GNAI3 (3.4)	PLCG1 (3.1)
0.58	>=0.20	NOP58 (3.2)	DARS (3.1)	ERGIC3 (2.1)
0.58	>=0.20	MAMSTR (4.6)	SYPL2 (4.6)	TRIM54 (4.1)
0.58	>=0.20	TIMD4 (2.2)	NFE2L3 (1.9)	ABCG8 (1.8)
0.58	>=0.20	CYP26A1 (2.4)	LPIN3 (2.4)	RASIP1 (2.3)
0.58	>=0.20	CYP26A1 (2.4)	LPIN3 (2.4)	RASIP1 (2.3)
0.58	>=0.20	TOMM40 (4.5)	C12orf43 (3.5)	PPM1G (2.4)
0.58	>=0.20	HAVCR1 (3.7)	OBP2B (2.6)	LIPG (2.1)
0.59	>=0.20	CYB561D1 (3.2)	ZNF513 (2.4)	ENSG00000182329 (2
0.59	>=0.20	TSSK6 (2.7)	BCAM (2.3)	FER1L4 (2.1)
0.59	>=0.20	CILP2 (4.3)	MAMSTR (2.3)	GDF5 (2.3)
0.59	>=0.20	NPEPPS (2.5)	ZNF513 (2.5)	ATXN7L2 (2.5)
0.59	>=0.20	ENSG00000228044 (2	DNAH11 (2.5)	SLC22A3 (2.4)
0.59	>=0.20	SMARCA4 (2.2)	PSRC1 (2.1)	AMPD2 (2.1)
0.59	>=0.20	USP1 (3.8)	FEN1 (3.2)	NUP93 (2.6)
0.59	>=0.20	MAMSTR (4.5)	LPIN3 (3.1)	ENSG00000254235 (2
0.59	>=0.20	MYLIP (2.6)	OASL (2.6)	ABCA1 (2.4)
0.59	>=0.20	CYP26A1 (2.7)	ABO (2.6)	LPAR2 (1.9)
0.59	>=0.20	CYP26A1 (5.0)	AMIGO1 (3.1)	PMFBP1 (3.0)
0.59	>=0.20	ZNF259 (3.3)	DHODH (2.5)	ENSG00000226645 (2
0.59	>=0.20	TSSK6 (2.7)	ERGIC3 (2.4)	ATP13A1 (2.1)
0.59	>=0.20	CILP2 (4.9)	GDF5 (3.9)	CYP26A1 (3.6)
0.59	>=0.20	BMPR2 (3.2)	NYNRIN (2.8)	PVRL2 (2.6)
0.59	>=0.20	HAPLN4 (2.6)	ABCG8 (2.3)	PMFBP1 (2.2)
0.59	>=0.20	PSRC1 (3.1)	CETP (2.4)	FEN1 (1.8)
0.59	>=0.20	YIPF2 (5.0)	NRBP1 (2.9)	UBXN4 (2.7)
0.59	>=0.20	ENSG00000231204 (3	ZNF513 (1.9)	HAVCR1 (1.7)
0.59	>=0.20	ATXN1L (3.5)	GNAI3 (2.9)	TXNL4B (2.5)
0.59	>=0.20	SLC44A2 (3.7)	PBX4 (3.4)	CYB561D1 (2.6)
0.59	>=0.20	GMIP (3.3)	RELB (2.8)	NCAN (2.2)
0.59	>=0.20	MAMSTR (4.1)	SYPL2 (4.0)	AMIGO1 (2.7)
0.59	>=0.20	RELB (7.1)	NFE2L3 (2.7)	MAMSTR (2.2)
0.59	>=0.20	PLEC (3.2)	SNX17 (1.9)	LDLR (1.8)
0.59	>=0.20	FEN1 (4.3)	MCM6 (4.2)	USP1 (3.4)
0.59	>=0.20	FADS2 (3.0)	FADS1 (2.3)	ENSG00000228044 (2
0.59	>=0.20	FADS2 (2.5)	DOCK7 (2.5)	DNAH11 (2.3)
0.59	>=0.20	HAVCR1 (2.2)	CARM1 (2.2)	ENSG00000226806 (2
0.59	>=0.20	CEP250 (3.5)	BUD13 (3.4)	FEN1 (2.9)

0.59	>=0.20	C11orf9 (2.7)	SPATC1 (2.1)	ENSG00000226645 (1
0.59	>=0.20	PVRL2 (2.9)	CARM1 (2.9)	CBLC (2.2)
0.59	>=0.20	SARS (4.8)	KPNB1 (2.6)	UBXN4 (2.2)
0.59	>=0.20	ENSG00000231204 (2	OBP2B (2.3)	SLC44A2 (2.0)
0.59	>=0.20	SMARCA4 (2.9)	CARM1 (2.6)	ZNF821 (2.3)
0.59	>=0.20	NOP58 (2.7)	TOP1 (2.5)	IST1 (2.4)
0.59	>=0.20	NOP58 (2.7)	TOP1 (2.5)	IST1 (2.4)
0.59	>=0.20	NOP58 (2.7)	TOP1 (2.5)	IST1 (2.4)
0.59	>=0.20	MCM6 (5.3)	FEN1 (5.0)	ZRANB3 (4.9)
0.59	>=0.20	GNAI3 (3.4)	SARS (2.8)	NRBP1 (2.8)
0.59	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	RP1 (3.3)
0.59	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	RP1 (3.3)
0.59	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	RP1 (3.3)
0.59	>=0.20	YSK4 (5.2)	DNAH11 (5.1)	PSRC1 (3.8)
0.59	>=0.20	NOP58 (2.3)	SARS (1.9)	ERGIC3 (1.7)
0.59	>=0.20	GMIP (2.9)	SMARCA4 (2.8)	IZUMO1 (2.3)
0.59	>=0.20	OBP2B (3.6)	C19orf52 (2.4)	CYP26A1 (1.9)
0.59	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (3	ENSG00000231204 (2
0.59	>=0.20	RP1 (2.9)	GNAT2 (2.5)	ZHX3 (2.5)
0.59	>=0.20	PBX4 (2.2)	ENSG00000235545 (2	ENSG00000254235 (2
0.59	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	BUD13 (1.8)
0.59	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	BUD13 (1.8)
0.59	>=0.20	POC5 (2.9)	BMPR2 (2.2)	PLEC (2.1)
0.59	>=0.20	AMPD2 (1.9)	APOC1 (1.7)	AMIGO1 (1.6)
0.59	>=0.20	CYP26A1 (3.9)	OTX1 (3.7)	NYNRIN (2.7)
0.59	>=0.20	PSRC1 (4.9)	FEN1 (4.9)	MCM6 (4.4)
0.59	>=0.20	RELB (3.0)	PVR (2.3)	MYLIP (2.2)
0.59	>=0.20	CELSR2 (2.9)	PSRC1 (2.1)	POLK (1.8)
0.59	>=0.20	SLC22A1 (3.3)	ENSG00000226622 (2	GSTM4 (2.5)
0.59	>=0.20	ENSG00000226806 (2	GATAD2A (2.3)	COL4A3BP (2.2)
0.59	>=0.20	ATXN1L (2.9)	GATAD2A (2.9)	PGS1 (2.6)
0.59	>=0.20	UBXN4 (3.2)	BUD13 (3.0)	NOP58 (3.0)
0.59	>=0.20	ZNF513 (3.2)	MYLIP (3.1)	ZNF821 (2.2)
0.59	>=0.20	TRIB1 (2.9)	PVR (2.6)	GSTM5 (2.3)
0.59	>=0.20	CBLC (3.1)	FUT1 (3.1)	KRTCAP3 (2.6)
0.59	>=0.20	DNAH11 (2.0)	GPR61 (1.8)	ENSG00000254235 (1
0.59	>=0.20	ENSG00000182329 (2	OBP2B (2.7)	ENSG00000231204 (2
0.59	>=0.20	RELB (3.7)	GMIP (3.2)	PBX4 (2.9)
0.59	>=0.20	TRAM2 (2.9)	IZUMO1 (2.5)	ZHX3 (2.3)
0.59	>=0.20	GSTM4 (2.6)	DARS (2.5)	MAP3K4 (2.5)
0.59	>=0.20	CLPTM1 (3.3)	YIPF2 (3.3)	GRINA (2.4)
0.59	>=0.20	CYP26A1 (2.4)	OBP2B (2.3)	FUT2 (2.0)
0.59	>=0.20	GSTM4 (2.6)	FGF21 (2.6)	LPAL2 (2.5)
0.59	>=0.20	DOCK7 (2.7)	RELB (2.6)	SLC44A2 (2.5)
0.59	>=0.20	SLC22A2 (6.0)	HAVCR1 (2.9)	LPL (2.9)
0.59	>=0.20	NCAN (2.8)	GDF5 (2.8)	C11orf9 (2.3)
0.59	>=0.20	ST3GAL4 (2.4)	TRAM2 (2.3)	CILP2 (2.2)
0.59	>=0.20	DOCK6 (3.6)	FUT1 (3.1)	RASIP1 (2.9)
0.59	>=0.20	OBP2B (2.8)	MYLIP (2.3)	KANK2 (2.2)
0.59	>=0.20	ENSG00000231204 (3	OBP2B (2.6)	GPR61 (2.3)

0.59	>=0.20	RP1 (4.4)	GNAT2 (3.6)	ST3GAL4 (1.9)
0.59	>=0.20	TRIM54 (3.4)	RASIP1 (3.3)	LPL (2.8)
0.59	>=0.20	MCM6 (6.3)	USP1 (5.2)	FEN1 (4.8)
0.59	>=0.20	TOP1 (3.5)	NUP93 (3.0)	BUD13 (2.9)
0.59	>=0.20	CILP2 (2.0)	ZNF821 (1.9)	ABO (1.7)
0.6	>=0.20	PSMA5 (3.9)	UBXN4 (3.4)	NRBP1 (3.3)
0.6	>=0.20	FEN1 (5.7)	MCM6 (5.5)	USP1 (4.6)
0.6	>=0.20	SLC22A2 (4.4)	CILP2 (3.1)	BCAM (2.5)
0.6	>=0.20	USP24 (3.5)	HNF1A (3.3)	IST1 (3.0)
0.6	>=0.20	YSK4 (3.6)	IFT172 (3.1)	ATXN1L (2.9)
0.6	>=0.20	SARS (2.5)	LCT (2.4)	ZNF259 (2.4)
0.6	>=0.20	SUMO1 (1.8)	NOP58 (1.7)	C12orf43 (1.7)
0.6	>=0.20	TOP1 (3.8)	C19orf52 (2.5)	NUP93 (2.4)
0.6	>=0.20	TOP1 (3.8)	C19orf52 (2.5)	NUP93 (2.4)
0.6	>=0.20	TOP1 (3.8)	C19orf52 (2.5)	NUP93 (2.4)
0.6	>=0.20	MAMSTR (3.0)	ABCA6 (2.5)	IZUMO1 (2.5)
0.6	>=0.20	MCM6 (3.5)	CEP250 (2.8)	NUP93 (2.8)
0.6	>=0.20	HMGCR (3.7)	FADS2 (3.4)	FADS1 (2.9)
0.6	>=0.20	ZNF513 (3.2)	COL4A3BP (2.9)	NRBP1 (2.8)
0.6	>=0.20	SPATC1 (2.6)	PBX4 (2.2)	TSSK6 (2.2)
0.6	>=0.20	RP1 (5.3)	GNAT2 (4.5)	ENSG00000244861 (2
0.6	>=0.20	RP1 (5.3)	GNAT2 (4.5)	ENSG00000244861 (2
0.6	>=0.20	MAFB (4.1)	RELB (3.6)	ABCA1 (3.0)
0.6	>=0.20	SLC22A2 (3.1)	HNF1A (2.9)	ABCA6 (2.6)
0.6	>=0.20	NCAN (4.0)	RP1 (3.6)	ABCG8 (3.6)
0.6	>=0.20	OASL (7.7)	PARP10 (5.4)	ENSG00000235545 (3
0.6	>=0.20	ATXN1L (3.6)	TXNL4B (3.2)	COL4A3BP (2.7)
0.6	>=0.20	ERGIC3 (2.7)	SPATC1 (1.6)	GATAD2A (1.5)
0.6	>=0.20	RELB (4.5)	TIMD4 (3.0)	GMIP (2.6)
0.6	>=0.20	PVR (2.4)	PSRC1 (2.3)	YSK4 (1.8)
0.6	>=0.20	BUD13 (3.4)	SUGP1 (3.1)	DHX38 (3.0)
0.6	>=0.20	DOCK6 (2.6)	TRIB1 (2.4)	FUT1 (2.3)
0.6	>=0.20	NRBP1 (3.2)	RELB (2.7)	C19orf80 (2.2)
0.6	>=0.20	HAVCR1 (2.4)	ST3GAL4 (2.3)	ENSG00000236267 (2
0.6	>=0.20	PSRC1 (4.3)	FEN1 (3.1)	MCM6 (2.9)
0.6	>=0.20	OASL (9.3)	PARP10 (6.8)	CYB561D1 (2.3)
0.6	>=0.20	PLEC (2.7)	NRBP1 (2.6)	GNAI3 (1.9)
0.6	>=0.20	KRTCAP3 (2.5)	PBX4 (1.9)	R3HDM1 (1.8)
0.6	>=0.20	FUT2 (6.4)	ST3GAL4 (3.9)	HNF4A (2.0)
0.6	>=0.20	MAFB (2.9)	NFE2L3 (2.8)	RELB (2.2)
0.6	>=0.20	ENSG00000236436 (2	GDF5 (2.0)	ENSG00000254235 (1
0.6	>=0.20	MCM6 (4.4)	CEP250 (3.9)	FEN1 (3.8)
0.6	>=0.20	C19orf80 (3.0)	HAPLN4 (2.8)	GPAM (2.4)
0.6	>=0.20	CYP26A1 (3.1)	ATXN1L (2.4)	OTX1 (2.3)
0.6	>=0.20	NFE2L3 (2.1)	ABCA6 (2.1)	ENSG00000235545 (2
0.6	>=0.20	USP1 (3.1)	GATAD2A (2.3)	FEN1 (2.2)
0.6	>=0.20	MAMSTR (2.8)	TRAM2 (2.2)	ENSG00000254235 (2
0.6	>=0.20	GMIP (3.1)	GATAD2A (2.3)	MYLIP (2.0)
0.6	>=0.20	RP1 (5.0)	CELSR2 (4.0)	PBX4 (2.9)
0.6	>=0.20	USP24 (2.9)	NPEPPS (2.8)	ATXN1L (2.6)

0.6	>=0.20	SARS (8.6)	FUT1 (3.5)	ZNF259 (3.4)
0.6	>=0.20	SARS (8.6)	FUT1 (3.5)	ZNF259 (3.4)
0.6	>=0.20	SARS (8.6)	FUT1 (3.5)	ZNF259 (3.4)
0.6	>=0.20	SARS (5.6)	ZHX3 (2.6)	PSMA5 (2.1)
0.6	>=0.20	NYNRIN (2.7)	CELSR2 (2.5)	GDF5 (2.4)
0.6	>=0.20	ZRANB3 (3.1)	CEP250 (2.8)	ENSG00000226806 (2
0.6	>=0.20	FUT2 (3.3)	ABCA5 (2.5)	GPR61 (2.3)
0.6	>=0.20	MAMSTR (2.7)	GDF5 (2.6)	NYNRIN (2.3)
0.6	>=0.20	PSRC1 (2.6)	MCM6 (2.4)	SMARCA4 (2.1)
0.6	>=0.20	PSRC1 (2.6)	MCM6 (2.4)	SMARCA4 (2.1)
0.6	>=0.20	SMARCA4 (2.9)	C12orf43 (2.4)	C19orf52 (2.2)
0.6	>=0.20	OTX1 (4.5)	RP1 (2.2)	ENSG00000226648 (2
0.6	>=0.20	FUT2 (3.5)	CYP26A1 (3.3)	MYLIP (2.9)
0.6	>=0.20	ZNF513 (3.5)	ENSG00000228044 (2	TRIB1 (2.3)
0.6	>=0.20	MAP3K4 (3.7)	C19orf52 (2.4)	ENSG00000236267 (2
0.6	>=0.20	MAP3K4 (3.7)	C19orf52 (2.4)	ENSG00000236267 (2
0.6	>=0.20	SLC22A2 (7.8)	ENSG00000256731 (6	PLG (5.6)
0.6	>=0.20	OTX1 (4.2)	BCAM (3.5)	NCAN (3.3)
0.6	>=0.20	POC5 (1.7)	TXNL4B (1.6)	MAU2 (1.5)
0.6	>=0.20	TSSK6 (2.4)	ENSG00000244861 (2	ENSG00000254235 (2
0.6	>=0.20	PSRC1 (5.4)	FEN1 (4.9)	MCM6 (4.3)
0.6	>=0.20	TRIB1 (2.4)	EHBP1 (2.2)	KANK2 (2.1)
0.6	>=0.20	ENSG00000226806 (4	PLCG1 (4.1)	LCT (2.7)
0.6	>=0.20	CYP26A1 (3.5)	ATXN7L2 (2.4)	ENSG00000254235 (2
0.6	>=0.20	DNAH11 (3.5)	OTX1 (3.3)	ENSG00000226648 (2
0.6	>=0.20	KRTCAP3 (2.4)	HAVCR1 (2.1)	ZNF821 (2.0)
0.6	>=0.20	CILP2 (3.0)	FNDC4 (2.9)	GDF5 (2.8)
0.6	>=0.20	DHX38 (3.0)	PPM1G (2.9)	SMARCA4 (2.8)
0.6	>=0.20	TRIB1 (4.2)	GDF5 (2.6)	MAFB (2.5)
0.6	>=0.20	C11orf9 (2.4)	GOT2P1 (2.3)	IST1 (2.3)
0.6	>=0.20	GDF5 (3.6)	CILP2 (3.6)	MAFB (3.5)
0.6	>=0.20	LPAL2 (2.7)	GSTM4 (2.6)	FGF21 (2.5)
0.6	>=0.20	BMPR2 (4.1)	ZNF821 (3.6)	ABO (3.0)
0.6	>=0.20	SMARCA4 (2.9)	PLEC (2.8)	TOP1 (2.7)
0.6	>=0.20	CEP250 (3.5)	FEN1 (2.4)	NYNRIN (2.3)
0.6	>=0.20	NFE2L3 (2.1)	ABCA5 (2.1)	PARP10 (1.8)
0.6	>=0.20	NPEPPS (2.9)	GATAD2A (2.8)	PLCG1 (2.8)
0.6	>=0.20	IGF2R (2.7)	COL4A3BP (2.7)	MAU2 (2.2)
0.6	>=0.20	ENSG00000226806 (3	OASL (2.7)	SUGP1 (2.6)
0.6	>=0.20	PBX4 (2.8)	ENSG00000231204 (2	ZNF513 (2.1)
0.6	>=0.20	TIMD4 (3.3)	MAFB (3.0)	CETP (2.9)
0.6	>=0.20	BCAM (2.0)	OBP2B (1.9)	CBLC (1.9)
0.6	>=0.20	GDF5 (3.3)	MAFB (3.0)	ABCA1 (2.8)
0.61	>=0.20	ENSG00000236436 (2	LPIN3 (2.5)	SARS (2.4)
0.61	>=0.20	RELB (5.9)	CYB561D1 (2.7)	GSTM4 (2.6)
0.61	>=0.20	RELB (3.6)	PGS1 (3.2)	PLEC (2.7)
0.61	>=0.20	KANK2 (3.0)	DOCK7 (2.8)	ATXN1L (2.3)
0.61	>=0.20	MCM6 (6.8)	FEN1 (5.5)	USP1 (5.3)
0.61	>=0.20	ENSG00000235545 (2	FUT1 (2.1)	GSTM5 (2.0)
0.61	>=0.20	NYNRIN (2.4)	ATXN7L2 (2.1)	GDF5 (2.0)

0.61 >=0.20	IZUMO1 (2.5)	KRTCAP3 (2.2)	GCKR (2.2)
0.61 >=0.20	LPAL2 (2.8)	SLC22A2 (2.6)	ENSG00000254235 (2
0.61 >=0.20	PLEC (3.8)	CEP250 (3.3)	GMIP (2.6)
0.61 >=0.20	TSSK6 (4.8)	SPATC1 (4.3)	ABO (2.5)
0.61 >=0.20	TBKBP1 (2.0)	MAFB (1.7)	ENSG00000231204 (1
0.61 >=0.20	OBP2B (2.6)	LPIN3 (2.4)	FUT2 (2.3)
0.61 >=0.20	USP1 (5.0)	FEN1 (4.8)	MCM6 (4.5)
0.61 >=0.20	LIPC (2.5)	GCKR (2.2)	ABCG5 (2.2)
0.61 >=0.20	FEN1 (5.5)	MCM6 (5.2)	PSRC1 (4.3)
0.61 >=0.20	USP24 (3.4)	R3HDM1 (3.2)	NPEPPS (2.2)
0.61 >=0.20	SLC22A2 (2.5)	PVRL2 (2.3)	CARM1 (2.0)
0.61 >=0.20	TIMD4 (3.2)	CETP (3.2)	GNAT2 (2.5)
0.61 >=0.20	GSTM4 (2.8)	SLC22A2 (2.3)	DNAH11 (2.0)
0.61 >=0.20	GSTM4 (2.8)	SLC22A2 (2.3)	DNAH11 (2.0)
0.61 >=0.20	USP24 (3.8)	OASL (3.4)	UBXN4 (3.3)
0.61 >=0.20	HMGCR (3.5)	DHX38 (3.2)	ATXN1L (2.8)
0.61 >=0.20	EHBP1 (1.9)	ATXN7L2 (1.8)	ENSG00000226645 (1
0.61 >=0.20	C11orf9 (4.6)	LCT (3.5)	TM6SF2 (2.3)
0.61 >=0.20	PSRC1 (4.9)	POC5 (2.7)	FEN1 (2.6)
0.61 >=0.20	NOP58 (3.9)	AMPD2 (2.5)	DARS (2.1)
0.61 >=0.20	UBXN4 (2.9)	PSMA5 (2.8)	ENSG00000256731 (1
0.61 >=0.20	SYPL2 (5.5)	MAMSTR (5.5)	TRIM54 (4.2)
0.61 >=0.20	MAMSTR (4.7)	SYPL2 (4.2)	TRIM54 (3.4)
0.61 >=0.20	ZNF259 (3.4)	DARS (3.3)	C12orf43 (3.2)
0.61 >=0.20	RP1 (2.6)	LPAL2 (2.2)	GOT2P1 (1.9)
0.61 >=0.20	TRIM54 (4.0)	RASIP1 (2.5)	SYPL2 (2.3)
0.61 >=0.20	MCM6 (5.0)	FEN1 (4.7)	USP1 (4.7)
0.61 >=0.20	ENSG00000226645 (2	ATP13A1 (2.5)	BUD13 (2.5)
0.61 >=0.20	TRIM54 (6.5)	SYPL2 (4.8)	PLEC (2.8)
0.61 >=0.20	ZNF513 (3.6)	ENSG00000244861 (2	TRIB1 (2.3)
0.61 >=0.20	GDF5 (2.4)	GSTM4 (2.4)	DHODH (2.2)
0.61 >=0.20	IZUMO1 (2.7)	C19orf52 (2.2)	GOT2P1 (2.0)
0.61 >=0.20	TRIM54 (6.0)	SYPL2 (3.6)	BCAM (2.9)
0.61 >=0.20	GMIP (3.9)	GNAI3 (2.1)	COL4A3BP (2.0)
0.61 >=0.20	OTX1 (3.3)	C17orf57 (2.6)	CILP2 (2.5)
0.61 >=0.20	C12orf43 (3.4)	POC5 (2.4)	ZNF259 (2.3)
0.61 >=0.20	C12orf43 (3.4)	POC5 (2.4)	ZNF259 (2.3)
0.61 >=0.20	SARS (4.5)	ERGIC3 (2.7)	DHX38 (2.6)
0.61 >=0.20	CETP (3.0)	GMIP (2.3)	SPATC1 (2.3)
0.61 >=0.20	DHODH (2.2)	ENSG00000235545 (2	CEP250 (1.5)
0.61 >=0.20	SLC22A2 (3.0)	HAVCR1 (2.3)	ENSG00000236436 (2
0.61 >=0.20	C12orf43 (3.2)	USP1 (2.7)	KPNB1 (2.6)
0.61 >=0.20	OTX1 (5.3)	CILP2 (2.4)	GDF5 (2.0)
0.61 >=0.20	CYP26A1 (3.2)	ATXN7L2 (2.4)	ABO (2.1)
0.61 >=0.20	MCM6 (4.2)	FEN1 (4.1)	PSRC1 (3.8)
0.61 >=0.20	NRBP1 (2.6)	SUMO1 (2.5)	YIPF2 (2.0)
0.61 >=0.20	ZNF821 (3.3)	ZNF513 (2.6)	ENSG00000226645 (2
0.61 >=0.20	GPR61 (2.1)	TIMD4 (1.7)	GDF5 (1.7)
0.61 >=0.20	TM6SF2 (3.8)	FGF21 (2.6)	ABCG8 (2.5)
0.61 >=0.20	PLEC (3.3)	GNAI3 (2.9)	PVR (2.7)

0.61	>=0.20	SARS (10.9)	FUT1 (4.7)	FGF21 (4.5)
0.61	>=0.20	ENSG00000226648 (3	ENSG00000236436 (2	CYP26A1 (2.6)
0.61	>=0.20	HAPLN4 (2.7)	DNAH11 (2.5)	LCT (1.6)
0.61	>=0.20	PSRC1 (5.1)	MCM6 (3.0)	FEN1 (3.0)
0.61	>=0.20	SORT1 (2.7)	KANK2 (2.5)	DOCK6 (2.4)
0.61	>=0.20	USP1 (3.5)	R3HDM1 (3.1)	BUD13 (3.0)
0.61	>=0.20	SLC22A2 (3.2)	ENSG00000236436 (2	BCAM (2.1)
0.61	>=0.20	RP1 (7.0)	GNAT2 (6.7)	GSTM5 (3.0)
0.61	>=0.20	MAU2 (2.3)	MAP3K4 (2.3)	SMARCA4 (2.1)
0.61	>=0.20	MYLIP (2.7)	ENSG00000236436 (2	TRAM2 (2.1)
0.61	>=0.20	UBXN4 (4.0)	ERGIC3 (2.6)	PPM1G (2.5)
0.61	>=0.20	ENSG00000226806 (4	RELB (3.7)	PLCG1 (3.6)
0.61	>=0.20	HNF1A (2.1)	ENSG00000236267 (2	ABO (2.0)
0.61	>=0.20	FUT2 (2.7)	GNAI3 (2.5)	SNX17 (2.3)
0.61	>=0.20	TRIB1 (3.2)	BMPR2 (2.6)	GATAD2A (2.3)
0.61	>=0.20	ENSG00000231204 (2	CEP250 (1.9)	FNDC4 (1.8)
0.61	>=0.20	CARM1 (3.0)	USP24 (2.2)	NYNRIN (2.2)
0.61	>=0.20	C11orf9 (2.9)	SPATC1 (2.0)	GDF5 (1.9)
0.61	>=0.20	SARS (3.8)	UBXN4 (3.3)	NPEPPS (3.1)
0.61	>=0.20	TSSK6 (5.6)	PMFBP1 (4.0)	SPATC1 (3.9)
0.61	>=0.20	GNAI3 (2.6)	CYB561D1 (2.1)	NUP93 (2.1)
0.61	>=0.20	GPAM (3.5)	FER1L4 (2.2)	LPL (2.0)
0.61	>=0.20	MCM6 (6.8)	FEN1 (6.2)	USP1 (5.1)
0.61	>=0.20	MCM6 (7.3)	FEN1 (6.6)	USP1 (4.9)
0.62	>=0.20	ZHX3 (2.2)	COL4A3BP (2.2)	LDLR (2.2)
0.62	>=0.20	TM6SF2 (3.6)	FGF21 (3.0)	ENSG00000254235 (2
0.62	>=0.20	GDF5 (3.7)	HMGCR (3.3)	LDLR (3.0)
0.62	>=0.20	OTX1 (2.8)	OBP2B (2.7)	CETP (2.7)
0.62	>=0.20	IZUMO1 (2.8)	ENSG00000236436 (2	ENSG00000254235 (1
0.62	>=0.20	IZUMO1 (2.8)	ENSG00000236436 (2	ENSG00000254235 (1
0.62	>=0.20	SYPL2 (4.9)	TRIM54 (4.1)	MAMSTR (4.0)
0.62	>=0.20	OTX1 (4.4)	EHBP1 (4.4)	CYP26A1 (2.0)
0.62	>=0.20	IGF2R (2.9)	CILP2 (2.4)	KANK2 (2.3)
0.62	>=0.20	NOP58 (2.7)	ZNF259 (1.6)	HAVCR1 (1.6)
0.62	>=0.20	CBLC (2.3)	FUT1 (2.1)	CELSR2 (1.7)
0.62	>=0.20	ENSG00000226622 (3	ENSG00000256731 (2	SLC22A3 (2.8)
0.62	>=0.20	GMIP (3.4)	USP24 (2.1)	RAB3GAP1 (2.1)
0.62	>=0.20	NOP58 (3.3)	DARS (3.2)	USP1 (2.3)
0.62	>=0.20	MCM6 (5.5)	FEN1 (5.3)	ZRANB3 (4.6)
0.62	>=0.20	SLC22A2 (3.9)	HNF4A (3.3)	ABO (2.9)
0.62	>=0.20	RELB (3.7)	NFE2L3 (3.3)	IST1 (2.5)
0.62	>=0.20	PGS1 (3.8)	GMIP (2.5)	LPAR2 (2.5)
0.62	>=0.20	GPAM (2.3)	ABCA6 (2.2)	ENSG00000226622 (2
0.62	>=0.20	GNAI3 (2.2)	BUD13 (1.8)	MAMSTR (1.8)
0.62	>=0.20	CYP26A1 (3.1)	ENSG00000226806 (2	BMPR2 (2.6)
0.62	>=0.20	BCAM (3.1)	HNF1A (2.6)	ABO (2.5)
0.62	>=0.20	GSTM4 (5.1)	GPAM (2.3)	LPL (2.2)
0.62	>=0.20	OTX1 (5.9)	ENSG00000235545 (2	NCAN (2.6)
0.62	>=0.20	IZUMO1 (3.1)	ENSG00000236436 (2	LPAL2 (2.0)
0.62	>=0.20	MCM6 (6.5)	USP1 (5.9)	FEN1 (5.7)

0.62	>=0.20	MCM6 (6.5)	USP1 (5.9)	FEN1 (5.7)
0.62	>=0.20	GMIP (3.9)	GATAD2A (3.1)	CARM1 (2.8)
0.62	>=0.20	NUP93 (3.1)	POLK (3.0)	ZRANB3 (2.9)
0.62	>=0.20	TSSK6 (5.6)	SPATC1 (3.8)	PMFBP1 (3.4)
0.62	>=0.20	BUD13 (3.1)	SUGP1 (2.9)	PPM1G (2.6)
0.62	>=0.20	TRIB1 (3.1)	PVR (2.4)	ZNF513 (2.1)
0.62	>=0.20	CEP250 (2.2)	CLPTM1 (1.8)	GOT2P1 (1.8)
0.62	>=0.20	KRTCAP3 (3.1)	CYP26A1 (2.2)	CBLC (1.9)
0.62	>=0.20	UBXN4 (3.8)	PSMA5 (3.1)	NFE2L3 (2.5)
0.62	>=0.20	SYPL2 (4.3)	TRIM54 (4.3)	MAMSTR (3.4)
0.62	>=0.20	IZUMO1 (2.7)	GCKR (2.3)	KRTCAP3 (2.2)
0.62	>=0.20	GRINA (2.8)	TRIB1 (2.3)	HAVCR1 (2.1)
0.62	>=0.20	FER1L4 (2.7)	NYNRIN (2.6)	FUT2 (2.4)
0.62	>=0.20	GMIP (3.6)	PGS1 (2.6)	MYLIP (2.6)
0.62	>=0.20	FADS2 (3.3)	FADS1 (2.0)	ENSG00000244861 (2
0.62	>=0.20	C17orf57 (3.4)	PGS1 (2.3)	GMIP (2.3)
0.62	>=0.20	ERGIC3 (3.1)	NCAN (2.6)	BCAM (2.6)
0.62	>=0.20	ABO (2.3)	ENSG00000254235 (2	IZUMO1 (1.8)
0.62	>=0.20	SLC44A2 (2.6)	ATXN7L2 (2.5)	SUMO1 (1.9)
0.62	>=0.20	ENSG00000226806 (2	PBX4 (2.4)	PLCG1 (2.3)
0.62	>=0.20	SMARCA4 (3.5)	ZNF259 (2.5)	NOP58 (2.4)
0.62	>=0.20	DOCK6 (4.2)	RASIP1 (3.1)	KRTCAP3 (2.3)
0.62	>=0.20	OTX1 (3.1)	CYP26A1 (2.9)	ZHX3 (2.5)
0.62	>=0.20	GATAD2A (3.2)	KPNB1 (2.6)	NOP58 (2.6)
0.62	>=0.20	CELSR2 (3.5)	TBKBP1 (3.2)	NCAN (3.1)
0.62	>=0.20	HAVCR1 (2.6)	DOCK7 (2.3)	ENSG00000226622 (2
0.62	>=0.20	NOP58 (4.8)	ZNF259 (3.8)	DHX38 (2.7)
0.62	>=0.20	CILP2 (10.9)	GDF5 (3.8)	CYP26A1 (2.5)
0.62	>=0.20	NCAN (3.8)	FNDC4 (2.1)	NYNRIN (2.1)
0.62	>=0.20	BUD13 (2.7)	MAMSTR (2.5)	SMARCA4 (1.9)
0.62	>=0.20	PSMA5 (3.5)	UBXN4 (2.9)	NFE2L3 (2.3)
0.62	>=0.20	GDF5 (3.0)	NYNRIN (2.5)	LIPG (2.4)
0.62	>=0.20	ENSG00000236436 (3	HAVCR1 (3.6)	SLC22A2 (3.2)
0.62	>=0.20	ENSG00000236436 (3	HAVCR1 (3.6)	SLC22A2 (3.2)
0.62	>=0.20	DOCK7 (3.6)	ST3GAL4 (2.5)	MYLIP (2.2)
0.62	>=0.20	SLC22A2 (5.0)	TM6SF2 (3.9)	APOA4 (3.0)
0.62	>=0.20	LPAL2 (2.1)	ABO (1.8)	AMIGO1 (1.8)
0.62	>=0.20	OTX1 (3.4)	ENSG00000235545 (3	NCAN (2.5)
0.62	>=0.20	GDF5 (3.3)	FADS2 (3.3)	IFT172 (3.0)
0.62	>=0.20	MYLIP (3.2)	CYP26A1 (2.2)	ATXN1L (1.7)
0.62	>=0.20	GMIP (2.2)	CEP250 (2.2)	PARP10 (2.0)
0.62	>=0.20	FGF21 (2.9)	SARS (2.7)	ENSG00000244861 (2
0.62	>=0.20	FADS2 (3.1)	FGF21 (2.6)	ABCA5 (2.5)
0.62	>=0.20	ENSG00000226806 (3	IGF2R (2.5)	CEP250 (2.2)
0.62	>=0.20	RELB (3.2)	PARP10 (2.4)	NFE2L3 (2.3)
0.62	>=0.20	NFE2L3 (2.1)	PARP10 (1.9)	ENSG00000226622 (1
0.63	>=0.20	MAFB (4.3)	LPAL2 (2.3)	TRIB1 (2.2)
0.63	>=0.20	SLC22A2 (6.9)	HNF4A (4.3)	SLC22A1 (2.8)
0.63	>=0.20	SARS (6.9)	ZNF259 (3.9)	DHODH (3.7)
0.63	>=0.20	ERGIC3 (3.4)	LPAR2 (3.0)	ENSG00000228044 (2

0.63	>=0.20	C12orf43 (3.3)	SUGP1 (2.7)	ZNF259 (2.6)
0.63	>=0.20	SARS (5.5)	SNX17 (3.6)	TXNL4B (3.5)
0.63	>=0.20	ENSG00000226648 (3	C19orf52 (3.3)	DNAH11 (3.2)
0.63	>=0.20	DARS (3.7)	SARS (3.5)	PPM1G (3.4)
0.63	>=0.20	SUGP1 (2.6)	TOP1 (2.6)	NUP93 (2.3)
0.63	>=0.20	NCAN (3.0)	GPR61 (2.8)	ENSG00000228044 (2
0.63	>=0.20	SUMO1 (3.3)	OASL (2.3)	NPEPPS (2.2)
0.63	>=0.20	CYP26A1 (3.1)	ENSG00000254235 (2	MYLIP (2.3)
0.63	>=0.20	FEN1 (3.3)	DARS (3.1)	MCM6 (2.7)
0.63	>=0.20	ABO (2.9)	LPAL2 (2.9)	SLC22A3 (2.9)
0.63	>=0.20	ABO (2.9)	LPAL2 (2.9)	SLC22A3 (2.9)
0.63	>=0.20	ENSG00000231204 (2	LPIN3 (2.4)	ABO (2.4)
0.63	>=0.20	MAU2 (2.9)	C19orf52 (2.8)	SUGP1 (2.8)
0.63	>=0.20	PARP10 (3.0)	PLCG1 (2.9)	ENSG00000228044 (1
0.63	>=0.20	PARP10 (3.0)	PLCG1 (2.9)	ENSG00000228044 (1
0.63	>=0.20	FGF21 (2.5)	ENSG00000235545 (2	ENSG00000226622 (1
0.63	>=0.20	FGF21 (2.5)	ENSG00000235545 (2	ENSG00000226622 (1
0.63	>=0.20	POLK (2.4)	PARP10 (2.0)	CYB561D1 (1.9)
0.63	>=0.20	ENSG00000226806 (5	ENSG00000254235 (3	ENSG00000235545 (2
0.63	>=0.20	MCM6 (6.9)	FEN1 (6.1)	USP1 (5.8)
0.63	>=0.20	HMGCR (5.2)	LDLR (4.9)	FADS1 (3.2)
0.63	>=0.20	FADS2 (2.3)	MYLIP (2.2)	DNAH11 (2.0)
0.63	>=0.20	ATXN7L2 (3.3)	MAP3K4 (2.6)	DHODH (2.5)
0.63	>=0.20	GMIP (4.3)	RELB (3.0)	TIMD4 (2.4)
0.63	>=0.20	FUT2 (4.0)	MAFB (2.1)	SLC22A3 (2.0)
0.63	>=0.20	LPIN3 (3.4)	RASIP1 (2.9)	CYP26A1 (2.4)
0.63	>=0.20	MCM6 (7.1)	FEN1 (6.4)	USP1 (5.3)
0.63	>=0.20	TIMD4 (2.7)	PBX4 (2.5)	NFE2L3 (1.9)
0.63	>=0.20	POLK (4.0)	IST1 (2.8)	DHODH (2.7)
0.63	>=0.20	RAB3GAP1 (3.1)	DARS (3.0)	TXNL4B (2.9)
0.63	>=0.20	ZRANB3 (2.7)	PSMA5 (2.6)	MCM6 (2.5)
0.63	>=0.20	GMIP (3.4)	YIPF2 (2.6)	TBKBP1 (2.6)
0.63	>=0.20	ABO (2.2)	ENSG00000231204 (2	R3HDM1 (2.1)
0.63	>=0.20	MCM6 (3.5)	DARS (2.8)	NFE2L3 (2.6)
0.63	>=0.20	SLC22A2 (3.5)	KRTCAP3 (2.4)	LPL (2.3)
0.63	>=0.20	FGF21 (3.2)	ENSG00000236267 (2	NCAN (2.6)
0.63	>=0.20	SYPL2 (3.9)	TRIM54 (3.8)	RAB3GAP1 (2.3)
0.63	>=0.20	TIMD4 (2.7)	PBX4 (2.4)	NFE2L3 (2.1)
0.63	>=0.20	CILP2 (6.2)	MAFB (2.5)	SLC22A2 (2.1)
0.63	>=0.20	SLC44A2 (3.2)	YSK4 (2.3)	ENSG00000231204 (2
0.63	>=0.20	PMFBP1 (5.2)	TSSK6 (4.2)	IZUMO1 (3.3)
0.63	>=0.20	ENSG00000244861 (3	FADS2 (3.0)	FADS1 (2.2)
0.63	>=0.20	ST3GAL4 (2.9)	PLEC (2.7)	PBX4 (2.3)
0.63	>=0.20	PARP10 (4.6)	OASL (3.5)	NFE2L3 (2.0)
0.63	>=0.20	PPM1G (2.8)	SMARCA4 (2.8)	PSMA5 (2.3)
0.63	>=0.20	OBP2B (3.7)	C19orf52 (2.2)	CYP26A1 (2.0)
0.63	>=0.20	RP1 (11.3)	GNAT2 (8.2)	GCKR (2.1)
0.63	>=0.20	PLEC (2.9)	KANK2 (2.8)	GATAD2A (2.5)
0.63	>=0.20	GNAT2 (5.6)	RP1 (4.8)	GPR61 (2.0)
0.63	>=0.20	ERGIC3 (3.0)	SPATC1 (2.0)	GATAD2A (1.6)

0.63	>=0.20	BUD13 (3.1)	SUGP1 (2.7)	DARS (2.7)
0.63	>=0.20	GDF5 (3.4)	CILP2 (2.9)	CYP26A1 (2.2)
0.63	>=0.20	FGF21 (2.2)	OTX1 (2.1)	HAVCR1 (1.9)
0.63	>=0.20	RELB (4.9)	PARP10 (3.5)	GNAI3 (2.7)
0.63	>=0.20	SMARCA4 (3.1)	GMIP (2.8)	LPIN3 (2.6)
0.63	>=0.20	PLEC (3.6)	HMGCR (2.5)	GRINA (2.4)
0.63	>=0.20	GMIP (4.5)	ENSG00000235545 (2	KPNB1 (2.8)
0.64	>=0.20	YIPF2 (3.6)	MAU2 (3.1)	RAB3GAP1 (2.6)
0.64	>=0.20	PGS1 (3.2)	GDF5 (3.2)	AMIGO1 (2.6)
0.64	>=0.20	DHX38 (4.5)	USP24 (3.4)	SUGP1 (3.3)
0.64	>=0.20	PLCG1 (4.2)	ZNF821 (2.8)	SMARCA4 (2.6)
0.64	>=0.20	ZRANB3 (3.5)	CEP250 (2.7)	GOT2P1 (2.6)
0.64	>=0.20	DHODH (3.8)	DHX38 (3.6)	ATXN1L (3.4)
0.64	>=0.20	CYP26A1 (2.8)	OTX1 (2.6)	OBP2B (2.2)
0.64	>=0.20	ENSG00000254235 (2	SPATC1 (2.6)	ENSG00000231204 (2
0.64	>=0.20	PMFBP1 (2.4)	MAMSTR (2.4)	MYLIP (2.2)
0.64	>=0.20	ZRANB3 (4.1)	CEP250 (3.3)	NUP93 (3.0)
0.64	>=0.20	ZRANB3 (4.1)	CEP250 (3.3)	NUP93 (3.0)
0.64	>=0.20	GNAT2 (8.5)	RP1 (8.1)	IZUMO1 (2.1)
0.64	>=0.20	TRIM54 (5.8)	ABCG8 (4.3)	SYPL2 (2.6)
0.64	>=0.20	FADS2 (3.3)	LDLR (3.2)	FUT1 (3.1)
0.64	>=0.20	IZUMO1 (2.9)	ENSG00000235545 (2	LPAL2 (2.3)
0.64	>=0.20	PSRC1 (3.3)	FEN1 (3.1)	POC5 (2.8)
0.64	>=0.20	TOMM40 (2.5)	CLPTM1 (2.0)	PSMA5 (1.9)
0.64	>=0.20	ENSG00000226806 (4	PBX4 (4.9)	PLCG1 (3.7)
0.64	>=0.20	MAMSTR (2.6)	GSTM5 (2.2)	GPR61 (2.0)
0.64	>=0.20	GPR61 (3.0)	LPAL2 (2.0)	ENSG00000226622 (1
0.64	>=0.20	PPM1G (3.4)	TOMM40 (2.4)	PSMA5 (2.3)
0.64	>=0.20	FUT1 (2.2)	FUT2 (1.8)	ENSG00000236436 (1
0.64	>=0.20	SLC22A3 (2.8)	MAU2 (2.6)	USP24 (2.4)
0.64	>=0.20	ZNF821 (3.2)	CYP26A1 (2.2)	GSTM5 (2.0)
0.64	>=0.20	SLC22A3 (3.5)	USP24 (3.0)	PLEC (2.9)
0.64	>=0.20	CILP2 (5.8)	GDF5 (3.7)	PBX4 (2.7)
0.64	>=0.20	GNAT2 (9.1)	RP1 (8.6)	IZUMO1 (1.8)
0.64	>=0.20	PGS1 (3.7)	FGF21 (2.5)	ENSG00000244861 (2
0.64	>=0.20	GSTM4 (2.7)	GPAM (2.3)	TOMM40 (2.1)
0.64	>=0.20	TIMD4 (3.3)	GMIP (3.3)	CETP (2.8)
0.64	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (2	MYLIP (2.5)
0.64	>=0.20	PGS1 (2.7)	HP (1.9)	FGF21 (1.7)
0.64	>=0.20	PPM1G (3.4)	IGF2R (2.0)	USP1 (2.0)
0.64	>=0.20	PLCG1 (2.8)	PLEC (2.6)	DOCK7 (2.5)
0.64	>=0.20	SUGP1 (3.4)	BUD13 (2.8)	DHX38 (2.4)
0.64	>=0.20	C11orf9 (2.4)	ENSG00000236267 (2	ABO (2.1)
0.64	>=0.20	RP1 (3.0)	ST3GAL4 (2.8)	GPR61 (2.6)
0.64	>=0.20	POLK (2.5)	PARP10 (1.9)	CYB561D1 (1.9)
0.64	>=0.20	NOP58 (3.8)	DHODH (3.2)	ATXN7L2 (2.7)
0.64	>=0.20	ENSG00000226648 (3	CYP26A1 (2.5)	ENSG00000236436 (2
0.64	>=0.20	RELB (6.7)	GMIP (2.4)	ST3GAL4 (2.3)
0.64	>=0.20	CETP (2.2)	LIPG (2.1)	DNAH11 (1.8)
0.64	>=0.20	CYP26A1 (3.0)	GDF5 (2.9)	FUT2 (2.5)

0.64	>=0.20	RASIP1 (2.3)	GNAI3 (2.0)	OTX1 (1.9)
0.64	>=0.20	NYNRIN (5.1)	HNF1A (3.2)	ENSG00000236267 (3
0.64	>=0.20	ENSG00000235545 (2	ENSG00000236436 (2	SPATC1 (2.1)
0.64	>=0.20	PLEC (3.7)	GATAD2A (2.3)	GSTM4 (2.2)
0.64	>=0.20	LDLR (6.9)	HMGCR (6.6)	FADS1 (5.6)
0.64	>=0.20	ENSG00000226645 (2	FUT1 (1.9)	ENSG00000235545 (1
0.64	>=0.20	GOT2P1 (2.6)	SARS (2.3)	ENSG00000182329 (2
0.64	>=0.20	USP1 (2.9)	C19orf52 (2.8)	SMARCA4 (2.8)
0.64	>=0.20	ENSG00000226806 (3	GMIP (2.3)	PLCG1 (2.3)
0.64	>=0.20	ENSG00000235545 (3	PGS1 (3.1)	ENSG00000226622 (2
0.64	>=0.20	PBX4 (4.1)	ZHX3 (2.8)	NFE2L3 (2.0)
0.64	>=0.20	SARS (4.3)	KPNB1 (3.9)	GNAI3 (3.2)
0.64	>=0.20	DOCK7 (3.3)	GDF5 (2.5)	BMPR2 (2.3)
0.64	>=0.20	SYPL2 (3.5)	KANK2 (3.0)	MAMSTR (2.8)
0.64	>=0.20	ENSG00000228044 (3	SPATC1 (2.0)	PCSK9 (1.9)
0.64	>=0.20	TOP1 (3.3)	TRIB1 (2.9)	ENSG00000226622 (2
0.64	>=0.20	DOCK6 (2.6)	IGF2R (2.3)	AMPD2 (2.2)
0.64	>=0.20	GSTM4 (2.5)	NRBP1 (2.2)	CEP250 (2.1)
0.64	>=0.20	ENSG00000235545 (3	SLC22A3 (3.3)	ABCA5 (2.7)
0.64	>=0.20	MAFB (2.5)	ABCA1 (2.1)	CILP2 (1.9)
0.65	>=0.20	SLC44A2 (2.1)	MAFB (2.0)	MYLIP (1.6)
0.65	>=0.20	PARP10 (4.5)	HNF1A (2.1)	YIPF2 (2.0)
0.65	>=0.20	TRIB1 (3.4)	MAU2 (3.2)	SMARCA4 (2.9)
0.65	>=0.20	PBX4 (3.0)	RELB (2.3)	FUT2 (2.1)
0.65	>=0.20	GMIP (2.4)	C17orf57 (2.2)	GDF5 (1.9)
0.65	>=0.20	LPIN3 (3.2)	ENSG00000226648 (2	ENSG00000231204 (2
0.65	>=0.20	GMIP (3.8)	RELB (3.2)	TIMD4 (2.5)
0.65	>=0.20	MYLIP (2.5)	ABO (2.2)	TSSK6 (2.1)
0.65	>=0.20	TIMD4 (2.6)	PBX4 (2.5)	ENSG00000226645 (2
0.65	>=0.20	SUMO1 (2.3)	ERGIC3 (2.2)	ABCA1 (1.9)
0.65	>=0.20	CYP26A1 (2.8)	FNDC4 (2.2)	EHBP1 (1.9)
0.65	>=0.20	BCAM (2.5)	MAU2 (2.5)	ABO (2.4)
0.65	>=0.20	GDF5 (4.0)	NYNRIN (2.7)	DNAH11 (2.6)
0.65	>=0.20	CBLC (3.4)	LCT (3.1)	ABCG8 (2.8)
0.65	>=0.20	PSMA5 (4.2)	UBXN4 (3.9)	NFE2L3 (2.5)
0.65	>=0.20	TRIB1 (2.9)	MYLIP (2.7)	MAFB (2.0)
0.65	>=0.20	PGS1 (2.9)	POLK (2.9)	SUGP1 (2.6)
0.65	>=0.20	TOMM40 (3.4)	ATP13A1 (3.4)	ZNF259 (3.1)
0.65	>=0.20	GSTM5 (2.9)	ST3GAL4 (2.9)	SORT1 (2.6)
0.65	>=0.20	NCAN (3.5)	OBP2B (2.0)	NYNRIN (1.8)
0.65	>=0.20	HAPLN4 (3.9)	CELSR2 (3.1)	EHBP1 (2.1)
0.65	>=0.20	BUD13 (3.2)	TOP1 (3.0)	NUP93 (2.8)
0.65	>=0.20	DARS (3.4)	ZNF259 (3.4)	UBXN4 (3.2)
0.65	>=0.20	ENSG00000182329 (3	OTX1 (2.7)	ATXN7L2 (2.6)
0.65	>=0.20	GSTM5 (3.5)	SUGP1 (3.0)	NOP58 (2.6)
0.65	>=0.20	IZUMO1 (3.1)	ENSG00000244861 (2	ENSG00000235545 (1
0.65	>=0.20	CETP (2.7)	PBX4 (2.4)	SPATC1 (2.4)
0.65	>=0.20	NYNRIN (2.4)	FNDC4 (2.1)	DOCK6 (1.9)
0.65	>=0.20	GATAD2A (2.5)	GNAI3 (2.5)	NOP58 (2.4)
0.65	>=0.20	NFE2L3 (2.4)	PARP10 (2.1)	C17orf57 (2.0)

0.65	>=0.20	PBX4 (3.2)	PLCG1 (2.7)	ENSG00000226806 (2
0.65	>=0.20	CEP250 (3.1)	PLCG1 (3.0)	ST3GAL4 (2.1)
0.65	>=0.20	TSSK6 (2.7)	PMFBP1 (2.7)	ENSG00000244861 (2
0.65	>=0.20	GNAI3 (4.7)	CARM1 (2.1)	ATXN1L (1.9)
0.65	>=0.20	OTX1 (2.6)	TSSK6 (2.0)	BCAM (1.9)
0.65	>=0.20	CARM1 (2.5)	GRINA (1.8)	FER1L4 (1.8)
0.65	>=0.20	TRAM2 (3.4)	CYB561D1 (3.1)	FUT2 (2.0)
0.65	>=0.20	GMIP (3.9)	RELB (2.8)	SMARCA4 (2.2)
0.65	>=0.20	GNAT2 (8.4)	RP1 (8.1)	IZUMO1 (2.0)
0.65	>=0.20	RASIP1 (2.7)	DOCK6 (2.4)	PVR (2.3)
0.65	>=0.20	NCAN (5.9)	CELSR2 (3.4)	FNDC4 (2.5)
0.65	>=0.20	ENSG00000236436 (3	GDF5 (3.3)	CILP2 (3.1)
0.65	>=0.20	TRIB1 (3.9)	ENSG00000226645 (3	ZNF513 (2.6)
0.65	>=0.20	TRIM54 (7.0)	SYPL2 (3.5)	RASIP1 (1.8)
0.65	>=0.20	RELB (4.4)	IST1 (2.8)	PGS1 (2.5)
0.65	>=0.20	FADS2 (2.2)	SLC44A2 (2.0)	ENSG00000244861 (2
0.65	>=0.20	C19orf52 (2.9)	SYPL2 (2.7)	AMIGO1 (2.2)
0.65	>=0.20	TOMM40 (3.1)	CLPTM1 (2.5)	DHX38 (1.7)
0.65	>=0.20	ENSG00000236436 (2	LIPG (2.6)	ST3GAL4 (2.2)
0.65	>=0.20	MYLIP (2.5)	C19orf52 (2.3)	FUT1 (2.1)
0.65	>=0.20	PLEC (4.8)	FER1L4 (3.0)	TRAM2 (2.6)
0.65	>=0.20	SMARCA4 (3.2)	PLEC (3.0)	NOP58 (2.9)
0.65	>=0.20	BUD13 (3.3)	SUMO1 (3.2)	POC5 (2.2)
0.65	>=0.20	POC5 (3.7)	NUP93 (3.1)	RAB3GAP1 (2.3)
0.65	>=0.20	ATXN1L (2.9)	IFT172 (2.5)	HNF4A (1.7)
0.65	>=0.20	PSRC1 (3.5)	CBLC (3.5)	FER1L4 (2.6)
0.65	>=0.20	GNAI3 (4.0)	COL4A3BP (3.9)	PSMA5 (2.6)
0.65	>=0.20	RELB (3.3)	GNAI3 (2.5)	SLC44A2 (2.5)
0.65	>=0.20	GSTM4 (2.8)	GPAM (2.2)	TOMM40 (2.1)
0.66	>=0.20	PSRC1 (5.7)	FEN1 (4.1)	MCM6 (3.5)
0.66	>=0.20	CYP26A1 (4.4)	OTX1 (2.2)	LIPG (1.8)
0.66	>=0.20	PLEC (3.5)	BCAM (2.5)	SLC44A2 (2.5)
0.66	>=0.20	FUT2 (3.4)	ABCA5 (2.6)	SORT1 (2.4)
0.66	>=0.20	NOP58 (2.2)	ERGIC3 (2.2)	GATAD2A (1.6)
0.66	>=0.20	NOP58 (2.2)	ERGIC3 (2.2)	GATAD2A (1.6)
0.66	>=0.20	OTX1 (3.2)	ATXN7L2 (2.9)	ZNF513 (2.2)
0.66	>=0.20	RASIP1 (3.0)	BCAM (2.9)	TRIM54 (2.3)
0.66	>=0.20	CYP26A1 (2.3)	PLCG1 (2.3)	OBP2B (2.2)
0.66	>=0.20	CYP26A1 (3.1)	ENSG00000226806 (2	CILP2 (1.8)
0.66	>=0.20	ENSG00000226806 (4	LCT (3.0)	GMIP (2.5)
0.66	>=0.20	GSTM4 (2.8)	LPL (2.6)	LPAL2 (2.1)
0.66	>=0.20	SARS (2.5)	GNAI3 (2.4)	SUGP1 (2.1)
0.66	>=0.20	PLEC (3.5)	HAPLN4 (2.7)	C11orf9 (2.1)
0.66	>=0.20	C17orf57 (4.7)	PMFBP1 (2.7)	TSSK6 (2.6)
0.66	>=0.20	SLC22A2 (3.3)	PLG (3.2)	ANGPTL3 (3.1)
0.66	>=0.20	ATP13A1 (4.6)	CLPTM1 (3.2)	ERGIC3 (2.6)
0.66	>=0.20	ATXN7L2 (2.6)	C11orf9 (2.4)	CYP26A1 (2.2)
0.66	>=0.20	PLCG1 (3.0)	ENSG00000226806 (2	IGF2R (2.3)
0.66	>=0.20	GOT2P1 (2.5)	HAVCR1 (2.1)	ENSG00000182329 (2
0.66	>=0.20	GOT2P1 (2.5)	HAVCR1 (2.1)	ENSG00000182329 (2

0.66	>=0.20	SMARCA4 (3.2)	UBXN4 (3.0)	MAP3K4 (2.7)
0.66	>=0.20	SLC22A3 (2.7)	OBP2B (2.6)	KRTCAP3 (2.5)
0.66	>=0.20	ABCG5 (3.2)	ABCG8 (2.5)	TRAM2 (2.5)
0.66	>=0.20	ENSG00000235545 (2	NFE2L3 (2.0)	ABCA6 (1.9)
0.66	>=0.20	GSTM4 (2.4)	SLC22A2 (2.2)	MAP3K4 (2.0)
0.66	>=0.20	ENSG00000228044 (3	C11orf9 (3.6)	ENSG00000235545 (3
0.66	>=0.20	FGF21 (2.3)	LPL (2.2)	OBP2B (2.1)
0.66	>=0.20	SLC22A2 (5.1)	TRIM54 (4.4)	ANGPTL3 (3.9)
0.66	>=0.20	ATXN7L2 (2.3)	C11orf9 (2.1)	TRIM54 (2.1)
0.66	>=0.20	PLCG1 (2.2)	LPAR2 (2.0)	TRIM54 (2.0)
0.66	>=0.20	ATXN7L2 (2.8)	NPEPPS (2.6)	CARM1 (2.0)
0.66	>=0.20	NYNRIN (2.5)	ATXN7L2 (2.5)	TRAM2 (1.9)
0.66	>=0.20	NYNRIN (2.5)	ATXN7L2 (2.5)	TRAM2 (1.9)
0.66	>=0.20	DHX38 (3.5)	ZNF259 (3.3)	MAU2 (2.8)
0.66	>=0.20	AMPD2 (3.0)	TRAM2 (2.9)	ST3GAL4 (2.8)
0.66	>=0.20	PARP10 (4.1)	ENSG00000228044 (2	ERGIC3 (2.0)
0.66	>=0.20	C11orf9 (3.6)	BMPR2 (2.2)	PVRL2 (2.1)
0.66	>=0.20	OBP2B (3.5)	ENSG00000226648 (2	NYNRIN (2.5)
0.66	>=0.20	YIPF2 (3.6)	IZUMO1 (2.2)	TOMM40 (2.2)
0.66	>=0.20	GMIP (2.5)	IZUMO1 (2.4)	C17orf57 (2.2)
0.66	>=0.20	GMIP (2.5)	IZUMO1 (2.4)	C17orf57 (2.2)
0.66	>=0.20	MAMSTR (3.2)	NYNRIN (2.9)	GDF5 (2.5)
0.66	>=0.20	ZHX3 (3.7)	SLC44A2 (3.0)	TBKBP1 (2.3)
0.66	>=0.20	LCT (5.0)	TM6SF2 (4.0)	APOA4 (3.7)
0.66	>=0.20	GATAD2A (4.0)	GMIP (3.0)	COL4A3BP (2.9)
0.66	>=0.20	HAPLN4 (3.1)	R3HDM1 (2.4)	GPR61 (2.3)
0.66	>=0.20	OTX1 (4.0)	MYLIP (2.8)	PLEC (2.3)
0.66	>=0.20	TRIB1 (3.2)	ABCA6 (2.7)	ZNF513 (2.5)
0.66	>=0.20	GDF5 (3.7)	ENSG00000226622 (2	CYP26A1 (2.4)
0.66	>=0.20	HNF1A (3.3)	ZNF821 (2.4)	TSSK6 (2.0)
0.66	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	USP1 (4.1)
0.66	>=0.20	ENSG00000228044 (2	GOT2P1 (2.2)	TIMD4 (1.9)
0.66	>=0.20	ERGIC3 (2.5)	ENSG00000236267 (2	NOP58 (1.9)
0.66	>=0.20	CETP (2.9)	ENSG00000226806 (2	LIPC (2.1)
0.66	>=0.20	SLC22A2 (5.3)	LPAL2 (2.9)	ENSG00000182329 (2
0.66	>=0.20	FUT2 (2.7)	GSTM5 (2.2)	LPIN3 (1.9)
0.66	>=0.20	OASL (8.9)	PARP10 (6.3)	ZNF821 (2.3)
0.66	>=0.20	EHBP1 (3.2)	PLCG1 (3.1)	COL4A3BP (2.6)
0.66	>=0.20	TRIM54 (4.3)	BCAM (2.6)	LPL (2.0)
0.66	>=0.20	TRIM54 (7.6)	SYPL2 (5.4)	HNF4A (2.2)
0.66	>=0.20	GMIP (4.6)	KPNB1 (3.4)	GATAD2A (2.2)
0.66	>=0.20	ENSG00000182329 (3	ZHX3 (2.9)	ENSG00000226622 (2
0.66	>=0.20	PLCG1 (4.0)	PGS1 (2.3)	PBX4 (2.2)
0.66	>=0.20	PSRC1 (4.6)	FEN1 (3.3)	MCM6 (3.0)
0.66	>=0.20	GDF5 (2.4)	KANK2 (2.4)	LIPG (2.3)
0.66	>=0.20	CARM1 (3.3)	ZNF821 (2.8)	MAP3K4 (2.7)
0.66	>=0.20	DOCK6 (2.9)	RASIP1 (2.5)	GSTM4 (2.5)
0.66	>=0.20	TOMM40 (3.0)	GRINA (2.7)	FER1L4 (2.6)
0.66	>=0.20	ENSG00000226806 (4	ENSG00000236267 (3	ENSG00000231204 (2
0.66	>=0.20	NYNRIN (2.3)	OASL (2.1)	BMPR2 (1.9)

0.66	>=0.20	C12orf43 (3.2)	C11orf9 (2.6)	POLK (2.5)
0.66	>=0.20	SLC44A2 (2.6)	NCAN (2.2)	MAMSTR (2.1)
0.66	>=0.20	TSSK6 (3.3)	FER1L4 (2.4)	C11orf9 (1.9)
0.66	>=0.20	BCAM (3.1)	SYPL2 (2.6)	GRINA (2.3)
0.66	>=0.20	MCM6 (4.9)	FEN1 (4.2)	USP1 (3.3)
0.66	>=0.20	OASL (2.6)	UBXN4 (2.3)	PARP10 (2.3)
0.66	>=0.20	BUD13 (3.2)	TOP1 (2.9)	GNAI3 (2.7)
0.66	>=0.20	PBX4 (3.2)	ENSG00000231204 (2	ENSG00000236267 (2
0.66	>=0.20	TOMM40 (3.4)	IST1 (2.8)	PPM1G (2.6)
0.66	>=0.20	R3HDM1 (3.3)	NPEPPS (3.1)	CLPTM1 (2.4)
0.66	>=0.20	DARS (3.2)	CEP250 (3.2)	ZRANB3 (2.9)
0.66	>=0.20	PBX4 (2.5)	GATAD2A (1.7)	TSSK6 (1.6)
0.66	>=0.20	ENSG00000226645 (3	KRTCAP3 (2.1)	COL4A3BP (1.7)
0.66	>=0.20	ENSG00000226645 (3	KRTCAP3 (2.1)	COL4A3BP (1.7)
0.66	>=0.20	TRAM2 (2.6)	SLC44A2 (2.3)	ENSG00000254235 (2
0.66	>=0.20	SARS (2.8)	PSMA5 (2.8)	C12orf43 (2.7)
0.66	>=0.20	TRIB1 (3.1)	BMPR2 (2.6)	TRAM2 (2.2)
0.67	>=0.20	MYLIP (2.7)	POLK (2.7)	TRAM2 (2.1)
0.67	>=0.20	C19orf52 (3.4)	C12orf43 (2.7)	ZNF259 (2.6)
0.67	>=0.20	TOMM40 (2.4)	PGS1 (2.1)	TBKBP1 (1.6)
0.67	>=0.20	TOMM40 (2.4)	PGS1 (2.1)	TBKBP1 (1.6)
0.67	>=0.20	POLK (1.8)	KANK2 (1.8)	PBX4 (1.8)
0.67	>=0.20	SNX17 (3.0)	SARS (2.9)	RAB3GAP1 (2.6)
0.67	>=0.20	ENSG00000231204 (2	ENSG00000228044 (2	PMFBP1 (2.2)
0.67	>=0.20	ENSG00000226648 (2	RASIP1 (2.3)	LPIN3 (2.3)
0.67	>=0.20	MAMSTR (4.8)	SYPL2 (4.3)	TRIM54 (3.5)
0.67	>=0.20	BCAM (3.2)	RASIP1 (3.0)	CELSR2 (2.5)
0.67	>=0.20	TM6SF2 (3.5)	ENSG00000254235 (3	ENSG00000226645 (2
0.67	>=0.20	SYPL2 (2.4)	LDLR (2.3)	UBXN4 (2.2)
0.67	>=0.20	TOMM40 (3.6)	NOP58 (3.1)	DHODH (3.1)
0.67	>=0.20	OASL (4.8)	IZUMO1 (3.5)	ENSG00000235545 (3
0.67	>=0.20	GSTM5 (3.2)	ST3GAL4 (3.0)	TBKBP1 (2.6)
0.67	>=0.20	CLPTM1 (3.6)	YIPF2 (2.6)	IGF2R (2.5)
0.67	>=0.20	GDF5 (2.9)	PVR (2.8)	TRAM2 (2.4)
0.67	>=0.20	ZHX3 (2.6)	FGF21 (2.6)	CYP26A1 (2.1)
0.67	>=0.20	GSTM4 (2.4)	YSK4 (1.8)	FUT1 (1.8)
0.67	>=0.20	GATAD2A (2.6)	PPM1G (2.0)	TRIB1 (1.9)
0.67	>=0.20	TRIB1 (3.9)	GMIP (2.6)	GRINA (2.4)
0.67	>=0.20	SARS (2.7)	SUMO1 (2.7)	IFT172 (2.5)
0.67	>=0.20	OBP2B (2.6)	PVRL2 (1.9)	ENSG00000236267 (1
0.67	>=0.20	TSSK6 (6.4)	SPATC1 (5.2)	IZUMO1 (4.5)
0.67	>=0.20	NPEPPS (3.4)	USP24 (3.0)	ATXN1L (2.1)
0.67	>=0.20	IST1 (4.7)	ZNF821 (2.9)	POC5 (2.8)
0.67	>=0.20	IZUMO1 (2.5)	MAFB (2.4)	LPIN3 (2.3)
0.67	>=0.20	LPA (4.0)	PLEC (3.1)	ST3GAL4 (2.8)
0.67	>=0.20	CYP26A1 (4.3)	ZNF821 (2.1)	MYLIP (2.1)
0.67	>=0.20	PSRC1 (5.5)	FEN1 (4.6)	MCM6 (4.1)
0.67	>=0.20	ENSG00000244861 (2	CYP26A1 (2.6)	NYNRIN (2.3)
0.67	>=0.20	TSSK6 (2.3)	SPATC1 (2.3)	CYP26A1 (2.2)
0.67	>=0.20	ERGIC3 (3.7)	YIPF2 (2.7)	HNF1A (2.0)

0.67	>=0.20	ENSG00000231204 (3	PBX4 (2.2)	SLC44A2 (1.9)
0.67	>=0.20	TSSK6 (4.7)	SPATC1 (3.2)	RASIP1 (2.2)
0.67	>=0.20	PARP10 (3.3)	GMIP (3.0)	RELB (2.7)
0.67	>=0.20	FEN1 (5.5)	MCM6 (5.1)	PSRC1 (4.3)
0.67	>=0.20	HNF1A (4.2)	FUT2 (3.3)	HNF4A (3.2)
0.67	>=0.20	ZNF513 (3.1)	ENSG00000244861 (2	RELB (2.3)
0.67	>=0.20	UBXN4 (3.8)	TOP1 (3.6)	USP1 (2.6)
0.67	>=0.20	ATXN7L2 (2.7)	R3HDM1 (2.6)	MAP3K4 (2.6)
0.67	>=0.20	ATXN7L2 (2.7)	R3HDM1 (2.6)	MAP3K4 (2.6)
0.67	>=0.20	ATXN7L2 (2.7)	R3HDM1 (2.6)	MAP3K4 (2.6)
0.67	>=0.20	ATXN7L2 (2.7)	R3HDM1 (2.6)	MAP3K4 (2.6)
0.67	>=0.20	PPM1G (2.3)	DARS (2.3)	CARM1 (2.1)
0.67	>=0.20	SUGP1 (3.6)	UBXN4 (3.0)	RAB3GAP1 (2.8)
0.67	>=0.20	PSRC1 (5.4)	FEN1 (4.3)	MCM6 (3.3)
0.67	>=0.20	YSK4 (6.8)	FER1L4 (3.3)	TSSK6 (3.1)
0.67	>=0.20	YSK4 (6.8)	FER1L4 (3.3)	TSSK6 (3.1)
0.67	>=0.20	COL4A3BP (2.5)	GDF5 (2.5)	MAMSTR (2.4)
0.67	>=0.20	ZNF821 (3.9)	C19orf52 (2.7)	ABO (2.5)
0.67	>=0.20	ZNF513 (2.4)	RAB3GAP1 (2.4)	TOP1 (2.2)
0.67	>=0.20	MAU2 (2.6)	SUGP1 (2.4)	POC5 (2.2)
0.67	>=0.20	ENSG00000226645 (2	ST3GAL4 (2.4)	POLK (2.0)
0.67	>=0.20	LPIN3 (2.6)	SLC22A2 (2.0)	SLC22A3 (1.9)
0.68	>=0.20	RELB (3.6)	C12orf43 (2.4)	TOMM40 (2.3)
0.68	>=0.20	RP1 (2.9)	OTX1 (2.7)	HAVCR1 (2.3)
0.68	>=0.20	RELB (3.7)	PARP10 (3.0)	NFE2L3 (2.7)
0.68	>=0.20	TRIM54 (8.0)	SYPL2 (5.0)	PVR (2.7)
0.68	>=0.20	GPR61 (3.0)	LCT (2.6)	LPL (2.5)
0.68	>=0.20	AMPD2 (3.8)	DARS (3.4)	SARS (3.2)
0.68	>=0.20	GMIP (3.1)	ENSG00000226806 (2	PLCG1 (2.6)
0.68	>=0.20	MCM6 (6.1)	USP1 (4.8)	FEN1 (4.7)
0.68	>=0.20	IZUMO1 (3.7)	ENSG00000236436 (2	PGS1 (1.8)
0.68	>=0.20	ZHX3 (2.6)	PMFBP1 (2.6)	SLC44A2 (2.2)
0.68	>=0.20	ZHX3 (2.6)	PMFBP1 (2.6)	SLC44A2 (2.2)
0.68	>=0.20	ZHX3 (2.6)	PMFBP1 (2.6)	SLC44A2 (2.2)
0.68	>=0.20	USP24 (4.5)	UBXN4 (3.2)	RAB3GAP1 (3.2)
0.68	>=0.20	BUD13 (3.0)	RAB3GAP1 (2.1)	NPEPPS (1.9)
0.68	>=0.20	PLEC (2.5)	GMIP (2.3)	OTX1 (1.9)
0.68	>=0.20	R3HDM1 (3.2)	DHX38 (2.9)	SMARCA4 (2.4)
0.68	>=0.20	GNAI3 (3.1)	GPR61 (2.3)	ENSG00000226622 (2
0.68	>=0.20	BMPR2 (2.8)	CYP26A1 (2.7)	ENSG00000254235 (2
0.68	>=0.20	SUMO1 (3.1)	SNX17 (3.0)	PARP10 (3.0)
0.68	>=0.20	ENSG00000256731 (5	LPAL2 (3.7)	ENSG00000182329 (3
0.68	>=0.20	GNAT2 (3.6)	RP1 (3.6)	ENSG00000182329 (2
0.68	>=0.20	CYP26A1 (2.6)	C11orf9 (2.6)	FNDC4 (2.3)
0.68	>=0.20	TRIM54 (2.9)	MAMSTR (2.5)	ZHX3 (2.3)
0.68	>=0.20	PMFBP1 (4.1)	TSSK6 (2.7)	SPATC1 (2.7)
0.68	>=0.20	NOP58 (4.0)	SMARCA4 (3.7)	TOP1 (2.9)
0.68	>=0.20	ZNF259 (3.2)	SLC44A2 (2.3)	LPIN3 (2.1)
0.68	>=0.20	PBX4 (5.1)	ZNF513 (2.6)	RAB3GAP1 (2.4)
0.68	>=0.20	CYB561D1 (2.9)	LIPG (2.7)	PBX4 (2.7)

0.68	>=0.20	FNDC4 (4.2)	NYNRIN (2.0)	HNF4A (1.9)
0.68	>=0.20	POLK (4.3)	DHODH (3.0)	NUP93 (3.0)
0.68	>=0.20	PLEC (2.7)	SNX17 (2.4)	NRBP1 (2.4)
0.68	>=0.20	GDF5 (4.4)	NYNRIN (2.6)	CILP2 (2.2)
0.68	>=0.20	GMIP (3.4)	KPNB1 (3.4)	CARM1 (3.3)
0.68	>=0.20	PGS1 (2.9)	IZUMO1 (2.6)	ST3GAL4 (2.1)
0.68	>=0.20	GMIP (4.6)	RAB3GAP1 (3.5)	CYB561D1 (2.9)
0.68	>=0.20	GMIP (3.5)	MAFB (3.0)	PLCG1 (2.6)
0.68	>=0.20	CYP26A1 (2.7)	NYNRIN (2.7)	HNF1A (2.5)
0.68	>=0.20	ENSG00000226622 (3	MAFB (2.9)	SLC22A3 (2.5)
0.68	>=0.20	PSRC1 (5.8)	FEN1 (3.3)	POC5 (2.8)
0.68	>=0.20	APOE (3.4)	NYNRIN (3.0)	MAP3K4 (2.5)
0.68	>=0.20	BUD13 (3.2)	SUGP1 (3.1)	ZNF259 (2.3)
0.68	>=0.20	SMARCA4 (3.1)	USP1 (2.8)	TOP1 (2.8)
0.68	>=0.20	ZRANB3 (4.1)	PSRC1 (3.2)	POC5 (3.0)
0.68	>=0.20	FADS2 (2.8)	SLC22A3 (2.4)	PCSK9 (2.3)
0.68	>=0.20	GMIP (3.2)	FADS2 (2.4)	GNAI3 (2.3)
0.68	>=0.20	RELB (3.3)	CYB561D1 (3.1)	IGF2R (2.3)
0.68	>=0.20	CELSR2 (2.1)	ENSG00000236436 (2	SPATC1 (2.1)
0.68	>=0.20	PARP10 (2.7)	C17orf57 (2.5)	TRIM54 (2.3)
0.68	>=0.20	FADS1 (4.9)	LCT (3.2)	LDLR (3.0)
0.68	>=0.20	ENSG00000231204 (2	R3HDM1 (2.7)	ABO (2.4)
0.68	>=0.20	TIMD4 (4.3)	CETP (3.9)	HAVCR1 (2.4)
0.68	>=0.20	C19orf52 (2.6)	GDF5 (2.1)	EHBP1 (2.0)
0.68	>=0.20	DOCK6 (3.5)	RASIP1 (2.7)	PVRL2 (2.3)
0.68	>=0.20	TXNL4B (3.2)	RAB3GAP1 (3.1)	ZNF513 (2.7)
0.68	>=0.20	GNAT2 (9.2)	RP1 (8.7)	IZUMO1 (1.9)
0.68	>=0.20	TRIB1 (4.4)	RAB3GAP1 (2.5)	PVR (2.1)
0.68	>=0.20	ENSG00000226806 (3	CEP250 (2.4)	PBX4 (2.4)
0.68	>=0.20	TXNL4B (4.4)	CYB561D1 (2.9)	ATXN7L2 (2.9)
0.68	>=0.20	HAVCR1 (2.5)	PMFBP1 (2.2)	ENSG00000226622 (1
0.68	>=0.20	CELSR2 (2.4)	SLC22A3 (2.1)	RELB (2.0)
0.68	>=0.20	SUGP1 (2.4)	AMPD2 (2.0)	IST1 (1.9)
0.68	>=0.20	SUGP1 (2.4)	AMPD2 (2.0)	IST1 (1.9)
0.68	>=0.20	IZUMO1 (2.9)	ENSG00000235545 (2	PGS1 (2.2)
0.68	>=0.20	POLK (2.5)	NRBP1 (2.1)	FEN1 (2.0)
0.68	>=0.20	OTX1 (3.4)	MYLIP (2.5)	APOE (2.4)
0.68	>=0.20	CYP26A1 (3.7)	NYNRIN (2.1)	ENSG00000244861 (2
0.68	>=0.20	ZNF513 (3.2)	ENSG00000244861 (2	RELB (2.4)
0.68	>=0.20	LCT (4.9)	APOA4 (4.2)	TM6SF2 (3.2)
0.68	>=0.20	FUT2 (3.1)	NYNRIN (2.5)	SLC22A3 (2.4)
0.68	>=0.20	HNF1A (3.4)	FUT1 (3.2)	APOA4 (3.1)
0.68	>=0.20	C19orf52 (2.3)	ST3GAL4 (1.9)	DNAH11 (1.8)
0.68	>=0.20	NCAN (4.0)	ZNF513 (3.0)	LIPG (2.3)
0.68	>=0.20	GSTM4 (6.3)	SLC22A2 (2.4)	AMIGO1 (2.3)
0.68	>=0.20	NOP58 (3.0)	DARS (2.7)	NFE2L3 (2.2)
0.68	>=0.20	CILP2 (2.3)	TRAM2 (1.9)	LPL (1.9)
0.68	>=0.20	ENSG00000226622 (4	DNAH11 (2.7)	ZHX3 (2.0)
0.68	>=0.20	ATXN7L2 (3.6)	ENSG00000235545 (2	ENSG00000236436 (2
0.68	>=0.20	RELB (2.8)	ENSG00000226806 (1	RAB3GAP1 (1.7)

0.68	>=0.20	NYNRIN (2.6)	ATXN7L2 (2.6)	USP24 (2.1)
0.68	>=0.20	TRIM54 (3.9)	CILP2 (3.4)	SYPL2 (2.8)
0.69	>=0.20	KPNB1 (3.9)	NOP58 (3.7)	SMARCA4 (2.8)
0.69	>=0.20	MAU2 (2.4)	DNAH11 (2.3)	SUGP1 (2.2)
0.69	>=0.20	NRBP1 (3.5)	RAB3GAP1 (3.1)	SARS (3.1)
0.69	>=0.20	TRIB1 (2.9)	NRBP1 (2.6)	AMIGO1 (2.3)
0.69	>=0.20	UBXN4 (3.9)	MAU2 (2.5)	NRBP1 (2.5)
0.69	>=0.20	PARP10 (2.9)	ENSG00000228044 (2	IGF2R (1.9)
0.69	>=0.20	BMPR2 (2.8)	ABO (1.7)	ZNF821 (1.7)
0.69	>=0.20	IST1 (3.0)	RAB3GAP1 (2.9)	ENSG00000182329 (2
0.69	>=0.20	PGS1 (3.3)	LPAR2 (3.0)	YIPF2 (2.9)
0.69	>=0.20	NOP58 (2.1)	TRIM54 (1.9)	SUMO1 (1.8)
0.69	>=0.20	POLK (3.4)	KPNB1 (2.4)	CEP250 (2.0)
0.69	>=0.20	GMIP (2.3)	ENSG00000228044 (2	ABCA6 (1.9)
0.69	>=0.20	SLC22A2 (3.6)	ENSG00000226622 (2	FUT2 (2.6)
0.69	>=0.20	CETP (3.1)	GMIP (2.9)	LIPG (2.7)
0.69	>=0.20	TSSK6 (3.2)	SPATC1 (2.7)	USP1 (2.7)
0.69	>=0.20	C12orf43 (2.0)	TXNL4B (1.9)	NFE2L3 (1.9)
0.69	>=0.20	GSTM4 (2.7)	ENSG00000226622 (2	SLC22A2 (2.1)
0.69	>=0.20	ATXN7L2 (2.4)	LPIN3 (2.1)	DOCK6 (2.0)
0.69	>=0.20	OBP2B (3.9)	ENSG00000226622 (2	KRTCAP3 (2.2)
0.69	>=0.20	ABO (2.8)	PLEC (1.7)	GDF5 (1.7)
0.69	>=0.20	FUT2 (3.1)	SLC44A2 (2.6)	HNF4A (2.5)
0.69	>=0.20	FADS2 (2.6)	USP24 (2.4)	FADS1 (2.4)
0.69	>=0.20	HAPLN4 (2.6)	SUMO1 (2.1)	PVRL2 (2.0)
0.69	>=0.20	GMIP (3.3)	MAFB (3.1)	GATAD2A (3.0)
0.69	>=0.20	IZUMO1 (2.6)	CYB561D1 (2.5)	PMFBP1 (2.1)
0.69	>=0.20	NCAN (4.0)	HAPLN4 (3.2)	FNDC4 (2.4)
0.69	>=0.20	FGF21 (2.7)	ENSG00000244861 (2	IZUMO1 (1.9)
0.69	>=0.20	FGF21 (2.7)	ENSG00000244861 (2	IZUMO1 (1.9)
0.69	>=0.20	PSMA5 (2.5)	ERGIC3 (2.1)	HAVCR1 (2.0)
0.69	>=0.20	PARP10 (2.6)	DARS (2.4)	MAU2 (2.3)
0.69	>=0.20	ZNF513 (3.6)	BUD13 (2.6)	TXNL4B (2.4)
0.69	>=0.20	MAU2 (2.2)	ATP13A1 (1.9)	PSMA5 (1.7)
0.69	>=0.20	CYP26A1 (2.8)	OBP2B (2.0)	NCAN (2.0)
0.69	>=0.20	EHBP1 (2.9)	SMARCA4 (2.6)	SARS (2.2)
0.69	>=0.20	NCAN (3.2)	ERGIC3 (3.2)	CELSR2 (2.9)
0.69	>=0.20	KRTCAP3 (3.6)	CBLC (2.5)	SLC22A2 (2.5)
0.69	>=0.20	ENSG00000256731 (2	NCAN (2.3)	OASL (2.3)
0.69	>=0.20	OASL (6.0)	PARP10 (3.9)	ENSG00000235545 (2
0.69	>=0.20	NOP58 (2.3)	SUMO1 (2.0)	ERGIC3 (1.9)
0.69	>=0.20	RELB (4.0)	GMIP (3.7)	TIMD4 (2.3)
0.69	>=0.20	DOCK7 (2.6)	ST3GAL4 (2.4)	OTX1 (2.1)
0.69	>=0.20	MCM6 (4.7)	USP1 (4.4)	FEN1 (4.4)
0.69	>=0.20	OTX1 (3.2)	MYLIP (2.6)	USP24 (2.5)
0.69	>=0.20	TBKBP1 (2.9)	RELB (2.1)	PLEC (1.9)
0.69	>=0.20	TRAM2 (2.6)	ENSG00000236436 (2	MYLIP (2.3)
0.69	>=0.20	HAPLN4 (2.2)	C11orf9 (2.0)	PCSK9 (1.8)
0.69	>=0.20	SNX17 (2.3)	LPIN3 (2.2)	DHODH (2.1)
0.69	>=0.20	C17orf57 (2.4)	DNAH11 (2.2)	ATXN7L2 (1.9)

0.69	>=0.20	MCM6 (7.2)	FEN1 (6.2)	USP1 (4.5)
0.69	>=0.20	RP1 (3.7)	NCAN (3.7)	ABCG8 (3.4)
0.69	>=0.20	GMIP (4.2)	RELB (3.6)	TIMD4 (2.5)
0.69	>=0.20	BMPR2 (3.1)	KANK2 (3.0)	CYP26A1 (2.9)
0.69	>=0.20	ABO (3.0)	CYP26A1 (2.8)	MYLIP (2.5)
0.69	>=0.20	EHBP1 (2.9)	POLK (2.1)	SLC22A1 (1.7)
0.69	>=0.20	UBXN4 (2.8)	PSMA5 (2.7)	ENSG00000256731 (2
0.69	>=0.20	PSRC1 (5.3)	FEN1 (4.2)	ZRANB3 (4.0)
0.69	>=0.20	PARP10 (2.6)	HAPLN4 (2.5)	ABO (2.2)
0.69	>=0.20	BUD13 (3.8)	C19orf52 (3.6)	GATAD2A (1.8)
0.69	>=0.20	ENSG00000226806 (3	ENSG00000236267 (3	ENSG00000231204 (2
0.69	>=0.20	COL4A3BP (2.4)	PLEC (2.3)	HNF4A (2.0)
0.69	>=0.20	ENSG00000231204 (3	LPAL2 (2.5)	ABO (2.4)
0.69	>=0.20	ENSG00000231204 (3	LPAL2 (2.5)	ABO (2.4)
0.69	>=0.20	ENSG00000231204 (3	LPAL2 (2.5)	ABO (2.4)
0.69	>=0.20	SNX17 (3.8)	PPM1G (3.4)	KPNB1 (3.2)
0.69	>=0.20	FUT2 (3.4)	IST1 (2.7)	C11orf9 (2.5)
0.69	>=0.20	GDF5 (3.0)	RAB3GAP1 (2.1)	MAFB (1.9)
0.69	>=0.20	GATAD2A (2.7)	ENSG00000244861 (2	ZNF513 (2.5)
0.69	>=0.20	TRIB1 (7.5)	FGF21 (3.6)	SARS (3.1)
0.69	>=0.20	APOE (3.0)	USP24 (2.3)	FNDC4 (2.1)
0.69	>=0.20	ENSG00000254235 (3	ABO (2.8)	ENSG00000236267 (2
0.69	>=0.20	PARP10 (4.6)	YIPF2 (3.2)	UBXN4 (2.9)
0.69	>=0.20	PARP10 (4.6)	YIPF2 (3.2)	UBXN4 (2.9)
0.69	>=0.20	PARP10 (4.6)	YIPF2 (3.2)	UBXN4 (2.9)
0.69	>=0.20	KPNB1 (3.6)	CARM1 (3.0)	ENSG00000231204 (2
0.69	>=0.20	ZHX3 (3.4)	USP1 (3.2)	ATXN1L (2.7)
0.69	>=0.20	DNAH11 (2.6)	PBX4 (2.2)	ENSG00000235545 (2
0.69	>=0.20	GSTM5 (3.5)	AMIGO1 (2.9)	ENSG00000182329 (2
0.69	>=0.20	ENSG00000236436 (3	EHBP1 (2.9)	ENSG00000226622 (1
0.69	>=0.20	MAMSTR (4.7)	SYPL2 (4.0)	TRIM54 (3.7)
0.69	>=0.20	NCAN (2.9)	ERGIC3 (2.4)	CLPTM1 (2.4)
0.69	>=0.20	UBXN4 (3.2)	SUMO1 (2.8)	ABCA5 (2.2)
0.69	>=0.20	ENSG00000244861 (2	DOCK7 (1.9)	USP24 (1.8)
0.69	>=0.20	ZNF513 (2.7)	CYB561D1 (2.6)	GMIP (2.2)
0.69	>=0.20	KANK2 (2.5)	BCAM (2.5)	TBKBP1 (2.1)
0.69	>=0.20	YSK4 (7.0)	RP1 (4.5)	DNAH11 (4.1)
0.69	>=0.20	PSRC1 (3.7)	FEN1 (2.6)	POC5 (2.6)
0.69	>=0.20	YIPF2 (5.5)	UBXN4 (3.9)	NRBP1 (2.7)
0.69	>=0.20	LPL (2.8)	GDF5 (2.8)	PLEC (2.5)
0.69	>=0.20	CYP26A1 (3.4)	MYLIP (3.0)	GDF5 (2.9)
0.69	>=0.20	SUMO1 (2.8)	GATAD2A (1.8)	KPNB1 (1.7)
0.7	>=0.20	ENSG00000236267 (3	ENSG00000182329 (2	FER1L4 (2.8)
0.7	>=0.20	C19orf52 (3.0)	C12orf43 (2.7)	ZNF259 (2.5)
0.7	>=0.20	ERGIC3 (2.5)	SUMO1 (1.9)	ENSG00000236267 (1
0.7	>=0.20	ERGIC3 (2.5)	SUMO1 (1.9)	ENSG00000236267 (1
0.7	>=0.20	ERGIC3 (2.5)	SUMO1 (1.9)	ENSG00000236267 (1
0.7	>=0.20	TOP1 (3.3)	IST1 (2.7)	TXNL4B (2.4)
0.7	>=0.20	SUGP1 (3.0)	TXNL4B (2.4)	ZNF259 (2.4)
0.7	>=0.20	SUGP1 (3.0)	TXNL4B (2.4)	ZNF259 (2.4)

0.7	>=0.20	SUGP1 (3.0)	TXNL4B (2.4)	ZNF259 (2.4)
0.7	>=0.20	GDF5 (3.9)	CILP2 (3.8)	NCAN (1.8)
0.7	>=0.20	CILP2 (8.0)	ABCA6 (2.4)	MYLIP (2.2)
0.7	>=0.20	BCAM (2.5)	NCAN (2.5)	TBKBP1 (2.2)
0.7	>=0.20	TRIM54 (5.0)	SYPL2 (4.5)	ZHX3 (2.5)
0.7	>=0.20	NYNRIN (4.6)	RASIP1 (2.3)	CARM1 (2.2)
0.7	>=0.20	ERGIC3 (1.9)	GATAD2A (1.6)	C19orf80 (1.5)
0.7	>=0.20	PBX4 (3.3)	ZNF513 (2.5)	ENSG00000231204 (2
0.7	>=0.20	ABCA5 (2.5)	SARS (2.5)	PCSK9 (2.3)
0.7	>=0.20	RP1 (5.1)	GNAT2 (3.2)	SORT1 (2.4)
0.7	>=0.20	DNAH11 (3.8)	ENSG00000231204 (2	GPR61 (2.4)
0.7	>=0.20	MCM6 (6.4)	FEN1 (5.7)	USP1 (4.8)
0.7	>=0.20	OTX1 (3.3)	RASIP1 (3.3)	TBKBP1 (3.0)
0.7	>=0.20	PSRC1 (3.6)	POC5 (3.3)	FEN1 (2.5)
0.7	>=0.20	ZRANB3 (2.0)	TOP1 (1.9)	AMPD2 (1.9)
0.7	>=0.20	MAMSTR (5.1)	SYPL2 (3.7)	TRIM54 (3.2)
0.7	>=0.20	R3HDM1 (2.8)	MAMSTR (2.7)	SMARCA4 (2.5)
0.7	>=0.20	NUP93 (2.6)	PSRC1 (2.4)	MCM6 (2.4)
0.7	>=0.20	C19orf52 (2.2)	ENSG00000231204 (1	GCKR (1.8)
0.7	>=0.20	PMFBP1 (3.9)	TSSK6 (2.4)	ENSG00000256731 (1
0.7	>=0.20	TRIM54 (2.7)	HNF1A (2.7)	CYP26A1 (2.2)
0.7	>=0.20	ST3GAL4 (2.7)	OTX1 (1.9)	TSSK6 (1.9)
0.7	>=0.20	ST3GAL4 (3.0)	LPAR2 (2.5)	ZNF513 (2.3)
0.7	>=0.20	GATAD2A (3.9)	ZHX3 (3.0)	C17orf57 (2.4)
0.7	>=0.20	SMARCA4 (2.7)	FEN1 (2.5)	C19orf52 (2.4)
0.7	>=0.20	GMIP (2.7)	TBKBP1 (2.4)	NFE2L3 (2.2)
0.7	>=0.20	TRIB1 (5.6)	RELB (5.4)	PBX4 (2.2)
0.7	>=0.20	USP24 (2.4)	GMIP (2.3)	COL4A3BP (2.2)
0.7	>=0.20	ENSG00000254235 (3	ENSG00000231204 (2	ZNF821 (2.0)
0.7	>=0.20	CILP2 (6.8)	GDF5 (5.3)	TRAM2 (2.0)
0.7	>=0.20	ATXN1L (2.6)	RAB3GAP1 (2.5)	ST3GAL4 (2.4)
0.7	>=0.20	KRTCAP3 (3.2)	GOT2P1 (2.1)	PBX4 (2.0)
0.7	>=0.20	GNAT2 (7.4)	RP1 (7.1)	IZUMO1 (2.6)
0.7	>=0.20	GRINA (3.0)	APOE (2.7)	SORT1 (2.7)
0.7	>=0.20	ATXN1L (2.7)	ENSG00000226645 (2	RAB3GAP1 (2.4)
0.7	>=0.20	IGF2R (3.2)	ERGIC3 (2.6)	SORT1 (2.5)
0.7	>=0.20	GATAD2A (3.0)	BUD13 (2.7)	CARM1 (2.7)
0.7	>=0.20	MAMSTR (6.5)	SYPL2 (4.9)	GDF5 (3.0)
0.7	>=0.20	PSRC1 (5.6)	FEN1 (4.4)	POC5 (4.0)
0.7	>=0.20	FUT2 (2.9)	CYP26A1 (2.4)	MYLIP (2.3)
0.7	>=0.20	C19orf52 (3.0)	BUD13 (2.9)	MAP3K4 (2.5)
0.7	>=0.20	TOMM40 (2.7)	NOP58 (2.6)	C19orf52 (2.5)
0.7	>=0.20	PLEC (2.9)	PVR (2.4)	SLC44A2 (2.0)
0.7	>=0.20	MCM6 (6.3)	FEN1 (6.0)	USP1 (5.7)
0.7	>=0.20	MCM6 (6.3)	FEN1 (6.0)	USP1 (5.7)
0.7	>=0.20	MCM6 (6.3)	FEN1 (6.0)	USP1 (5.7)
0.7	>=0.20	NPEPPS (3.0)	GATAD2A (2.9)	MAMSTR (2.8)
0.7	>=0.20	SLC22A2 (2.7)	FUT2 (2.7)	HNF1A (2.5)
0.7	>=0.20	PGS1 (3.0)	ATXN1L (2.9)	PLEC (2.3)
0.7	>=0.20	PLEC (2.2)	IST1 (1.8)	GOT2P1 (1.8)

0.7	>=0.20	ST3GAL4 (3.9)	YIPF2 (2.3)	AMIGO1 (2.2)
0.7	>=0.20	AMIGO1 (2.5)	GPAM (2.4)	MYLIP (2.4)
0.7	>=0.20	ENSG00000228044 (2	PVR (2.2)	FUT2 (2.2)
0.7	>=0.20	IST1 (3.5)	ZNF821 (2.7)	MAP3K4 (2.6)
0.7	>=0.20	SARS (3.5)	DARS (3.4)	ATP13A1 (3.2)
0.7	>=0.20	SUGP1 (3.0)	ZNF259 (2.5)	TXNL4B (2.4)
0.7	>=0.20	SUGP1 (3.0)	ZNF259 (2.5)	TXNL4B (2.4)
0.7	>=0.20	SUGP1 (3.0)	ZNF259 (2.5)	TXNL4B (2.4)
0.7	>=0.20	GNAT2 (5.0)	RP1 (4.8)	GPR61 (1.9)
0.7	>=0.20	DNAH11 (3.7)	GDF5 (2.4)	MYLIP (2.3)
0.7	>=0.20	DOCK6 (2.5)	FUT1 (2.5)	GMIP (2.4)
0.7	>=0.20	USP24 (4.8)	NPEPPS (3.1)	COL4A3BP (2.7)
0.7	>=0.20	ENSG00000244861 (2	ENSG00000226648 (2	SLC22A3 (2.5)
0.7	>=0.20	MAP3K4 (2.2)	ZNF513 (2.1)	TOP1 (2.1)
0.7	>=0.20	NRBP1 (2.6)	LCT (2.1)	IZUMO1 (1.8)
0.7	>=0.20	POC5 (4.1)	PSRC1 (3.3)	ZRANB3 (2.5)
0.7	>=0.20	POC5 (4.1)	PSRC1 (3.3)	ZRANB3 (2.5)
0.7	>=0.20	PSMA5 (3.8)	SNX17 (3.8)	ATP13A1 (2.6)
0.7	>=0.20	FEN1 (6.3)	MCM6 (6.2)	USP1 (4.0)
0.7	>=0.20	RASIP1 (3.2)	MAFB (2.8)	ENSG00000244861 (1
0.7	>=0.20	MAP3K4 (3.3)	DHODH (2.8)	C12orf43 (2.6)
0.7	>=0.20	PSRC1 (5.4)	POC5 (3.6)	FEN1 (3.3)
0.7	>=0.20	CYB561D1 (2.8)	ATP13A1 (2.8)	CLPTM1 (2.6)
0.7	>=0.20	MCM6 (3.4)	USP1 (3.1)	FEN1 (3.1)
0.7	>=0.20	CYP26A1 (4.1)	OTX1 (2.9)	FUT2 (1.9)
0.7	>=0.20	GNAI3 (4.1)	SARS (3.5)	KPNB1 (3.4)
0.7	>=0.20	RAB3GAP1 (3.3)	ZNF259 (3.0)	NPEPPS (3.0)
0.7	>=0.20	MAMSTR (3.1)	FGF21 (2.7)	SARS (2.5)
0.7	>=0.20	TOP1 (2.9)	MAU2 (2.5)	OASL (2.5)
0.71	>=0.20	IST1 (3.1)	ATXN1L (2.9)	NYNRIN (2.7)
0.71	>=0.20	ENSG00000235545 (3	GNAI3 (2.0)	ENSG00000226622 (1
0.71	>=0.20	CARM1 (4.0)	MAP3K4 (3.1)	SMARCA4 (2.9)
0.71	>=0.20	FUT2 (2.9)	OTX1 (2.8)	ST3GAL4 (2.4)
0.71	>=0.20	PLCG1 (4.7)	ENSG00000226806 (3	ENSG00000236267 (2
0.71	>=0.20	PLCG1 (4.7)	ENSG00000226806 (3	ENSG00000236267 (2
0.71	>=0.20	PLCG1 (4.7)	ENSG00000226806 (3	ENSG00000236267 (2
0.71	>=0.20	GNAT2 (2.7)	GMIP (2.6)	GATAD2A (2.3)
0.71	>=0.20	GMIP (4.4)	RELB (3.0)	GATAD2A (2.4)
0.71	>=0.20	YSK4 (7.6)	DNAH11 (4.9)	IFT172 (3.7)
0.71	>=0.20	KRTCAP3 (2.5)	ZRANB3 (2.3)	CEP250 (2.1)
0.71	>=0.20	MCM6 (7.3)	FEN1 (6.8)	USP1 (5.0)
0.71	>=0.20	GNAT2 (4.0)	LPIN3 (3.1)	ATXN7L2 (2.6)
0.71	>=0.20	DNAH11 (2.9)	FADS2 (2.6)	CEP250 (2.0)
0.71	>=0.20	SLC44A2 (3.0)	PVRL2 (2.9)	BCAM (2.9)
0.71	>=0.20	SUGP1 (2.9)	CLPTM1 (2.2)	ENSG00000226806 (2
0.71	>=0.20	SNX17 (2.6)	DOCK7 (2.3)	GNAI3 (2.0)
0.71	>=0.20	TRIM54 (5.2)	SYPL2 (4.5)	PLEC (3.5)
0.71	>=0.20	GPAM (3.4)	LPL (3.3)	C19orf80 (2.5)
0.71	>=0.20	MCM6 (3.0)	FEN1 (3.0)	DHODH (2.9)
0.71	>=0.20	CILP2 (5.3)	NFE2L3 (2.5)	CYP26A1 (2.1)

0.71	>=0.20	GSTM4 (3.5)	FGF21 (2.7)	ABCG8 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	PSMA5 (3.8)	UBXN4 (3.4)	NFE2L3 (2.5)
0.71	>=0.20	TOP1 (2.9)	IST1 (2.4)	ENSG00000226806 (2
0.71	>=0.20	PSMA5 (3.5)	UBXN4 (2.5)	ENSG00000235545 (2
0.71	>=0.20	ENSG00000254235 (3	ENSG00000231204 (3	OTX1 (2.2)
0.71	>=0.20	HNF1A (3.6)	ENSG00000244861 (2	ZNF821 (1.9)
0.71	>=0.20	ATXN1L (3.1)	ENSG00000244861 (2	MAU2 (2.3)
0.71	>=0.20	GOT2P1 (3.0)	RP1 (3.0)	GNAT2 (2.1)
0.71	>=0.20	GMIP (3.9)	MAU2 (2.4)	PGS1 (2.3)
0.71	>=0.20	ENSG00000226806 (4	MAMSTR (2.7)	RELB (2.4)
0.71	>=0.20	GSTM5 (2.7)	ENSG00000226622 (2	TRIB1 (2.5)
0.71	>=0.20	C11orf9 (3.0)	C19orf80 (2.0)	GNAI3 (1.9)
0.71	>=0.20	HMGCR (4.5)	FADS1 (3.8)	LDLR (3.8)
0.71	>=0.20	RP1 (3.7)	OTX1 (3.2)	CYP26A1 (2.4)
0.71	>=0.20	CILP2 (4.2)	GDF5 (3.4)	MYLIP (2.5)
0.71	>=0.20	GOT2P1 (3.6)	GSTM4 (2.5)	SYPL2 (2.1)
0.71	>=0.20	NYNRIN (4.0)	BCAM (3.2)	KANK2 (3.0)
0.71	>=0.20	ERGIC3 (2.3)	TRIM54 (1.8)	ENSG00000236267 (1
0.71	>=0.20	GOT2P1 (3.0)	GSTM4 (2.4)	ENSG00000226806 (2
0.71	>=0.20	TOP1 (2.7)	POC5 (2.7)	GATAD2A (2.5)
0.71	>=0.20	TRAM2 (3.8)	KANK2 (3.3)	GDF5 (2.4)
0.71	>=0.20	GNAI3 (3.6)	TIMD4 (2.0)	KPNB1 (1.9)
0.71	>=0.20	MAP3K4 (2.7)	SUMO1 (2.3)	ENSG00000226622 (2
0.71	>=0.20	TRIM54 (3.8)	SYPL2 (3.7)	KANK2 (2.9)
0.71	>=0.20	ZNF513 (2.8)	ZNF821 (2.7)	C19orf52 (2.4)
0.71	>=0.20	DHX38 (3.0)	SARS (3.0)	ZNF821 (2.7)
0.71	>=0.20	USP1 (3.0)	SMARCA4 (2.8)	C19orf52 (2.8)
0.71	>=0.20	ABCA1 (2.6)	DOCK7 (2.6)	BMPR2 (2.3)
0.71	>=0.20	CEP250 (3.5)	ATXN1L (3.2)	ERGIC3 (2.4)
0.71	>=0.20	SYPL2 (4.3)	FUT2 (3.4)	MAMSTR (3.3)
0.71	>=0.20	GSTM5 (3.0)	LPL (2.8)	GPAM (2.5)
0.71	>=0.20	USP1 (4.0)	MCM6 (3.8)	NUP93 (3.6)
0.71	>=0.20	GATAD2A (2.9)	USP1 (2.7)	SNX17 (2.6)
0.71	>=0.20	ABCA6 (2.7)	KANK2 (2.4)	CARM1 (2.3)
0.71	>=0.20	ZNF513 (2.9)	DHX38 (2.8)	BUD13 (2.5)
0.71	>=0.20	SORT1 (2.7)	AMIGO1 (2.5)	TRIB1 (2.5)
0.71	>=0.20	PLCG1 (4.3)	ENSG00000226806 (4	ENSG00000236267 (2
0.71	>=0.20	DHX38 (2.8)	ZRANB3 (2.7)	USP1 (2.6)
0.71	>=0.20	RP1 (4.4)	GNAT2 (4.1)	CETP (2.5)
0.71	>=0.20	DOCK6 (2.6)	GMIP (2.1)	SLC44A2 (1.8)
0.71	>=0.20	YSK4 (3.5)	CYP26A1 (3.1)	PCSK9 (1.8)
0.71	>=0.20	ABO (2.5)	LPAL2 (2.1)	APOA4 (1.9)
0.71	>=0.20	GNAI3 (3.2)	C17orf57 (2.9)	GATAD2A (2.1)
0.71	>=0.20	SARS (8.7)	FUT1 (3.9)	DHODH (3.3)
0.72	>=0.20	PMFBP1 (2.2)	GSTM5 (1.9)	ABCA5 (1.9)

0.72	>=0.20	SYPL2 (3.1)	TOMM40 (1.7)	TRIM54 (1.7)
0.72	>=0.20	ENSG00000226806 (2	DOCK7 (2.3)	PLEC (2.2)
0.72	>=0.20	ZNF513 (2.3)	SUMO1 (1.9)	LPAR2 (1.9)
0.72	>=0.20	FUT1 (2.7)	ENSG00000235545 (2	ENSG00000226806 (2
0.72	>=0.20	ATXN7L2 (4.6)	CARM1 (3.1)	MAP3K4 (3.1)
0.72	>=0.20	MAP3K4 (2.7)	IGF2R (2.5)	R3HDM1 (2.1)
0.72	>=0.20	PSRC1 (6.0)	FEN1 (3.5)	ZRANB3 (2.9)
0.72	>=0.20	USP1 (2.5)	FEN1 (2.5)	NUP93 (2.2)
0.72	>=0.20	RELB (2.4)	MYLIP (2.4)	LDLR (2.3)
0.72	>=0.20	ENSG00000226645 (3	BMPR2 (3.2)	LPAR2 (2.9)
0.72	>=0.20	DARS (2.5)	SNX17 (2.4)	PSMA5 (2.3)
0.72	>=0.20	ENSG00000226806 (3	SLC22A3 (3.1)	ENSG00000256731 (2
0.72	>=0.20	HNF1A (3.6)	GOT2P1 (3.5)	TXNL4B (2.7)
0.72	>=0.20	CYP26A1 (2.2)	TRIM54 (2.0)	BMPR2 (2.0)
0.72	>=0.20	NOP58 (4.2)	PPM1G (3.5)	DHX38 (3.4)
0.72	>=0.20	NYNRIN (2.9)	ENSG00000228044 (2	GDF5 (2.6)
0.72	>=0.20	HAVCR1 (3.8)	OBP2B (3.1)	ENSG00000236436 (2
0.72	>=0.20	RASIP1 (2.4)	HNF4A (2.3)	APOA5 (1.9)
0.72	>=0.20	ATP13A1 (3.1)	MAP3K4 (2.6)	TOMM40 (2.0)
0.72	>=0.20	IST1 (4.3)	NUP93 (3.5)	TXNL4B (3.3)
0.72	>=0.20	IST1 (4.3)	NUP93 (3.5)	TXNL4B (3.3)
0.72	>=0.20	DOCK6 (2.5)	COL4A3BP (2.4)	GMIP (2.4)
0.72	>=0.20	NUP93 (2.8)	R3HDM1 (2.5)	KPNB1 (2.5)
0.72	>=0.20	TRIB1 (5.6)	SYPL2 (3.6)	TSSK6 (2.3)
0.72	>=0.20	ST3GAL4 (2.9)	GATAD2A (1.9)	ENSG00000226645 (1
0.72	>=0.20	RP1 (7.6)	GNAT2 (3.9)	FER1L4 (3.6)
0.72	>=0.20	ZNF821 (3.4)	SARS (3.2)	FGF21 (2.7)
0.72	>=0.20	FEN1 (3.0)	ZRANB3 (3.0)	MCM6 (2.9)
0.72	>=0.20	FEN1 (4.8)	USP1 (4.4)	MCM6 (4.2)
0.72	>=0.20	NOP58 (4.7)	ZNF259 (3.2)	TOP1 (3.1)
0.72	>=0.20	CYP26A1 (3.4)	KANK2 (2.0)	ZHX3 (1.8)
0.72	>=0.20	CYP26A1 (2.8)	ENSG00000226645 (2	LPIN3 (2.4)
0.72	>=0.20	ENSG00000231204 (2	R3HDM1 (2.4)	ABO (2.4)
0.72	>=0.20	HAPLN4 (3.1)	ENSG00000256731 (2	NFE2L3 (2.4)
0.72	>=0.20	GNAT2 (5.1)	RP1 (4.7)	GPR61 (1.9)
0.72	>=0.20	NPEPPS (3.5)	ENSG00000254235 (3	USP24 (2.6)
0.72	>=0.20	ZNF513 (2.2)	SUMO1 (2.1)	DOCK7 (2.0)
0.72	>=0.20	PSRC1 (5.1)	FEN1 (4.9)	MCM6 (4.6)
0.72	>=0.20	MCM6 (5.4)	FEN1 (5.2)	USP1 (4.3)
0.72	>=0.20	ZNF513 (2.8)	FUT1 (2.6)	LPIN3 (2.1)
0.72	>=0.20	FUT2 (2.1)	FGF21 (2.1)	MAFB (2.0)
0.72	>=0.20	ZRANB3 (5.4)	MCM6 (5.0)	FEN1 (4.2)
0.72	>=0.20	NPEPPS (2.8)	IST1 (2.7)	MAP3K4 (2.0)
0.72	>=0.20	HNF1A (2.7)	FUT2 (2.3)	ENSG00000228044 (2
0.72	>=0.20	MCM6 (4.3)	USP1 (3.9)	NUP93 (3.8)
0.72	>=0.20	BMPR2 (3.6)	KANK2 (3.4)	ATXN1L (2.9)
0.72	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	MCM6 (4.1)
0.72	>=0.20	ZNF259 (3.8)	TOMM40 (3.2)	C12orf43 (3.0)
0.72	>=0.20	IST1 (3.2)	ENSG00000182329 (3	GOT2P1 (2.8)
0.72	>=0.20	FGF21 (2.7)	NRBP1 (2.5)	IGF2R (2.4)

0.72	>=0.20	GPR61 (3.1)	ABO (2.2)	NCAN (2.1)
0.72	>=0.20	PSMA5 (3.1)	DHX38 (3.0)	SUGP1 (2.7)
0.72	>=0.20	BCAM (2.8)	PVRL2 (2.6)	PLCG1 (2.5)
0.72	>=0.20	KPNB1 (2.7)	DOCK6 (2.6)	GATAD2A (2.4)
0.72	>=0.20	ST3GAL4 (2.4)	ENSG00000228044 (2	TBKBP1 (2.0)
0.72	>=0.20	ZNF513 (3.2)	ATXN7L2 (2.9)	MAP3K4 (2.5)
0.72	>=0.20	IFT172 (2.7)	DOCK6 (2.6)	SMARCA4 (2.4)
0.72	>=0.20	OTX1 (5.2)	ENSG00000226622 (2	C11orf9 (2.0)
0.72	>=0.20	ENSG00000244861 (3	LPAR2 (2.8)	CYP26A1 (2.3)
0.72	>=0.20	OTX1 (4.0)	NCAN (2.9)	ENSG00000182329 (2
0.72	>=0.20	PLEC (3.7)	KANK2 (3.7)	TRIM54 (3.5)
0.72	>=0.20	PBX4 (2.7)	SMARCA4 (2.4)	GRINA (2.0)
0.72	>=0.20	DNAH11 (4.6)	ENSG00000226622 (4	FNDC4 (2.5)
0.72	>=0.20	TRIM54 (6.0)	PPM1G (3.1)	SYPL2 (2.7)
0.72	>=0.20	GATAD2A (2.8)	GMIP (2.6)	LPAR2 (2.5)
0.72	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	MCM6 (4.1)
0.72	>=0.20	R3HDM1 (3.1)	ENSG00000235545 (2	GSTM5 (2.4)
0.73	>=0.20	BMPR2 (3.8)	C19orf52 (2.3)	ENSG00000226645 (2
0.73	>=0.20	BUD13 (4.0)	TOP1 (3.6)	USP1 (3.6)
0.73	>=0.20	CARM1 (3.5)	GATAD2A (2.7)	TOMM40 (2.7)
0.73	>=0.20	NOP58 (1.9)	SUMO1 (1.8)	ERGIC3 (1.8)
0.73	>=0.20	NPEPPS (3.7)	MAP3K4 (3.2)	BUD13 (3.2)
0.73	>=0.20	ZNF259 (2.6)	ENSG00000226645 (2	C12orf43 (2.3)
0.73	>=0.20	APOE (2.9)	PARP10 (2.7)	MYLIP (2.6)
0.73	>=0.20	DNAH11 (2.9)	TRAM2 (2.2)	MYLIP (2.1)
0.73	>=0.20	DNAH11 (2.9)	TRAM2 (2.2)	MYLIP (2.1)
0.73	>=0.20	CYP26A1 (2.7)	ENSG00000236436 (2	ENSG00000254235 (2
0.73	>=0.20	SUGP1 (3.2)	ZNF259 (2.9)	BUD13 (2.7)
0.73	>=0.20	MCM6 (4.3)	FEN1 (4.0)	USP1 (3.3)
0.73	>=0.20	GMIP (3.1)	LPAR2 (2.6)	USP24 (2.5)
0.73	>=0.20	YIPF2 (4.2)	CYB561D1 (3.8)	MAU2 (2.3)
0.73	>=0.20	C11orf9 (2.9)	OBP2B (2.4)	PMFBP1 (2.3)
0.73	>=0.20	C11orf9 (2.9)	OBP2B (2.4)	PMFBP1 (2.3)
0.73	>=0.20	TXNL4B (4.5)	SARS (3.8)	SNX17 (3.5)
0.73	>=0.20	SUGP1 (3.1)	BUD13 (2.9)	TXNL4B (2.8)
0.73	>=0.20	PSMA5 (3.7)	UBXN4 (3.4)	NFE2L3 (2.5)
0.73	>=0.20	PLEC (3.4)	SMARCA4 (2.7)	GNAI3 (2.1)
0.73	>=0.20	DOCK7 (2.3)	HAVCR1 (2.1)	PBX4 (1.8)
0.73	>=0.20	GATAD2A (2.8)	KANK2 (2.6)	SLC44A2 (2.4)
0.73	>=0.20	CLPTM1 (3.9)	YIPF2 (2.7)	MAU2 (2.6)
0.73	>=0.20	C12orf43 (4.0)	DARS (2.8)	TXNL4B (2.7)
0.73	>=0.20	ZNF259 (3.1)	ZHX3 (2.3)	CARM1 (2.1)
0.73	>=0.20	GPR61 (3.0)	SPATC1 (2.8)	GSTM5 (2.7)
0.73	>=0.20	C11orf9 (3.4)	ENSG00000231204 (2	ABO (2.3)
0.73	>=0.20	PLCG1 (3.6)	ENSG00000226806 (2	APOE (1.8)
0.73	>=0.20	ENSG00000236436 (2	SLC22A2 (2.6)	ZNF821 (2.5)
0.73	>=0.20	CBLC (4.4)	OTX1 (2.4)	CELSR2 (2.3)
0.73	>=0.20	ENSG00000236436 (3	HAVCR1 (3.4)	SLC22A2 (3.0)
0.73	>=0.20	NRBP1 (3.3)	PGS1 (2.5)	GRINA (2.1)
0.73	>=0.20	PLCG1 (3.6)	ENSG00000226806 (2	IGF2R (2.2)

0.73	>=0.20	SMARCA4 (4.6)	BMPR2 (2.7)	CARM1 (2.6)
0.73	>=0.20	C12orf43 (3.6)	NPEPPS (2.6)	SNX17 (2.5)
0.73	>=0.20	RASIP1 (3.6)	DOCK6 (1.9)	LCT (1.7)
0.73	>=0.20	IZUMO1 (2.2)	PBX4 (2.0)	PARP10 (1.9)
0.73	>=0.20	C11orf9 (3.2)	PVRL2 (2.9)	ATXN1L (2.5)
0.73	>=0.20	MCM6 (3.4)	FEN1 (2.7)	USP1 (2.4)
0.73	>=0.20	CBLC (3.0)	CELSR2 (2.9)	PLEC (2.4)
0.73	>=0.20	ATP13A1 (3.7)	CLPTM1 (3.5)	GATAD2A (3.0)
0.73	>=0.20	TRIM54 (9.1)	SYPL2 (6.9)	LPAL2 (1.4)
0.73	>=0.20	SUGP1 (4.2)	YIPF2 (3.7)	DHX38 (3.1)
0.73	>=0.20	GNAI3 (2.6)	ST3GAL4 (2.4)	GRINA (2.0)
0.73	>=0.20	MCM6 (5.0)	USP1 (4.4)	FEN1 (4.0)
0.73	>=0.20	USP1 (3.2)	FEN1 (3.0)	MCM6 (3.0)
0.73	>=0.20	RP1 (4.3)	GNAT2 (2.8)	ENSG00000226806 (2
0.73	>=0.20	CILP2 (4.2)	CYP26A1 (3.1)	FADS2 (3.0)
0.73	>=0.20	OBP2B (2.8)	SLC22A3 (2.3)	AMIGO1 (2.1)
0.73	>=0.20	SNX17 (3.4)	IST1 (3.2)	SARS (3.1)
0.73	>=0.20	OTX1 (2.9)	ATXN7L2 (2.6)	ZNF513 (2.2)
0.73	>=0.20	GMIP (3.0)	GATAD2A (2.6)	CETP (2.1)
0.73	>=0.20	GMIP (2.9)	LPAR2 (2.5)	USP24 (2.4)
0.73	>=0.20	SUMO1 (3.3)	ENSG00000226645 (2	ZNF259 (2.7)
0.73	>=0.20	RP1 (10.3)	GNAT2 (7.3)	IFT172 (2.4)
0.73	>=0.20	GSTM5 (3.2)	ST3GAL4 (3.0)	TBKBP1 (2.5)
0.73	>=0.20	GMIP (3.0)	NFE2L3 (1.9)	ENSG00000244861 (1
0.73	>=0.20	MAFB (2.7)	PBX4 (2.3)	TIMD4 (1.8)
0.73	>=0.20	GNAT2 (5.8)	RP1 (4.6)	GPR61 (2.1)
0.73	>=0.20	SYPL2 (9.0)	TRIM54 (7.8)	MAMSTR (5.9)
0.73	>=0.20	TOP1 (3.1)	PSRC1 (2.2)	PPM1G (2.1)
0.73	>=0.20	ENSG00000236267 (2	FER1L4 (2.4)	ENSG00000228044 (2
0.73	>=0.20	ATXN7L2 (2.7)	MAP3K4 (2.7)	ZNF821 (2.5)
0.73	>=0.20	ATXN7L2 (2.7)	MAP3K4 (2.7)	ZNF821 (2.5)
0.73	>=0.20	LPAR2 (2.2)	ENSG00000254235 (2	CYP26A1 (1.9)
0.73	>=0.20	PBX4 (2.7)	IZUMO1 (2.6)	ENSG00000226622 (2
0.73	>=0.20	GSTM5 (2.7)	ENSG00000244861 (2	GPAM (2.5)
0.73	>=0.20	GSTM5 (2.7)	ENSG00000244861 (2	GPAM (2.5)
0.73	>=0.20	DOCK6 (2.8)	GNAI3 (2.3)	RASIP1 (2.1)
0.73	>=0.20	GPR61 (2.5)	LPL (2.2)	TIMD4 (2.2)
0.73	>=0.20	C12orf43 (2.5)	ENSG00000226648 (2	SMARCA4 (2.2)
0.73	>=0.20	PARP10 (3.8)	OASL (3.5)	ZNF513 (3.4)
0.73	>=0.20	YIPF2 (4.6)	SNX17 (3.5)	NRBP1 (3.1)
0.73	>=0.20	SLC22A2 (6.6)	PLG (3.5)	ANGPTL3 (2.8)
0.74	>=0.20	TRIM54 (6.1)	SYPL2 (3.0)	RASIP1 (2.1)
0.74	>=0.20	ENSG00000231204 (4	PMFBP1 (2.7)	AMIGO1 (2.6)
0.74	>=0.20	ENSG00000231204 (4	PMFBP1 (2.7)	AMIGO1 (2.6)
0.74	>=0.20	ABO (3.2)	ENSG00000254235 (3	FUT1 (2.4)
0.74	>=0.20	PSMA5 (2.7)	UBXN4 (2.4)	MAU2 (2.1)
0.74	>=0.20	TRIB1 (3.4)	USP1 (2.9)	MCM6 (2.1)
0.74	>=0.20	FUT1 (3.0)	PLCG1 (2.6)	SNX17 (2.5)
0.74	>=0.20	RELB (5.0)	GRINA (2.2)	GDF5 (2.2)
0.74	>=0.20	TRIM54 (7.9)	SYPL2 (4.9)	LPL (1.5)

0.74	>=0.20	MAU2 (3.3)	SMARCA4 (3.1)	NPEPPS (3.1)
0.74	>=0.20	SMARCA4 (3.1)	BUD13 (2.7)	USP1 (2.4)
0.74	>=0.20	ENSG00000226806 (5	PLCG1 (4.8)	PBX4 (2.9)
0.74	>=0.20	PSRC1 (5.5)	FEN1 (4.1)	MCM6 (3.7)
0.74	>=0.20	PBX4 (2.7)	ENSG00000235545 (2	ENSG00000236436 (2
0.74	>=0.20	AMPD2 (2.8)	GOT2P1 (2.8)	ENSG00000231204 (2
0.74	>=0.20	NPEPPS (2.4)	TBKBP1 (2.0)	SNX17 (2.0)
0.74	>=0.20	CEP250 (3.0)	SUGP1 (2.2)	POLK (2.2)
0.74	>=0.20	GNAI3 (3.1)	PLEC (2.4)	ENSG00000226806 (2
0.74	>=0.20	YIPF2 (3.9)	UBXN4 (2.8)	DARS (2.6)
0.74	>=0.20	TRIB1 (2.7)	MAFB (2.1)	YSK4 (2.0)
0.74	>=0.20	TRIM54 (3.5)	CYP26A1 (2.7)	SYPL2 (2.1)
0.74	>=0.20	ENSG00000226645 (3	KRTCAP3 (2.3)	PVR (1.9)
0.74	>=0.20	APOC1 (3.7)	CLPTM1 (2.9)	APOB (2.8)
0.74	>=0.20	PLEC (3.7)	KANK2 (2.7)	NRBP1 (2.7)
0.74	>=0.20	ABO (3.2)	HAPLN4 (3.1)	GPR61 (2.9)
0.74	>=0.20	ABO (3.2)	HAPLN4 (3.1)	GPR61 (2.9)
0.74	>=0.20	EHBP1 (2.7)	CEP250 (2.5)	FEN1 (2.4)
0.74	>=0.20	RP1 (6.6)	GNAT2 (6.2)	GOT2P1 (2.7)
0.74	>=0.20	PBX4 (3.7)	SPATC1 (2.2)	PGS1 (2.1)
0.74	>=0.20	ZNF513 (2.2)	ATP13A1 (2.2)	DNAH11 (2.1)
0.74	>=0.20	SARS (3.0)	NOP58 (2.3)	C12orf43 (2.0)
0.74	>=0.20	SARS (3.0)	NOP58 (2.3)	C12orf43 (2.0)
0.74	>=0.20	CARM1 (3.6)	RAB3GAP1 (3.1)	POLK (2.5)
0.74	>=0.20	PLEC (3.7)	KANK2 (2.1)	APOE (2.0)
0.74	>=0.20	CYP26A1 (3.6)	PVRL2 (2.0)	ABO (2.0)
0.74	>=0.20	SARS (8.8)	FUT1 (3.7)	DHODH (3.1)
0.74	>=0.20	DHODH (3.4)	ATXN1L (2.9)	ENSG00000228044 (2
0.74	>=0.20	LPAL2 (2.5)	ZHX3 (2.2)	NYNRIN (2.1)
0.74	>=0.20	ERGIC3 (5.6)	ATP13A1 (2.5)	YIPF2 (2.4)
0.74	>=0.20	PARP10 (2.6)	TOMM40 (2.4)	ATXN1L (2.4)
0.74	>=0.20	CYP26A1 (2.9)	ZNF821 (2.9)	FUT2 (2.4)
0.74	>=0.20	ZHX3 (2.2)	KRTCAP3 (2.1)	ENSG00000226806 (1
0.74	>=0.20	SYPL2 (4.7)	MAMSTR (4.7)	TRIM54 (4.3)
0.74	>=0.20	CARM1 (1.9)	LDLR (1.8)	HMGCR (1.8)
0.74	>=0.20	NRBP1 (2.6)	DARS (2.2)	IST1 (1.9)
0.74	>=0.20	C11orf9 (2.6)	OASL (2.4)	ENSG00000231204 (2
0.74	>=0.20	SUMO1 (3.1)	C12orf43 (2.4)	MCM6 (2.4)
0.74	>=0.20	SUGP1 (3.1)	TXNL4B (2.7)	BUD13 (2.5)
0.74	>=0.20	SUGP1 (3.1)	TXNL4B (2.7)	BUD13 (2.5)
0.74	>=0.20	SUGP1 (3.1)	TXNL4B (2.7)	BUD13 (2.5)
0.74	>=0.20	NRBP1 (2.7)	ATXN7L2 (2.0)	DARS (2.0)
0.74	>=0.20	BCAM (3.0)	FUT1 (2.3)	HNF4A (2.3)
0.74	>=0.20	POC5 (3.0)	PSRC1 (2.7)	CEP250 (2.5)
0.74	>=0.20	C11orf9 (2.4)	HNF1A (2.2)	ATXN7L2 (1.9)
0.74	>=0.20	GSTM4 (2.5)	TOMM40 (2.2)	GPAM (1.9)
0.74	>=0.20	ERGIC3 (2.3)	NCAN (2.2)	CELSR2 (2.2)
0.74	>=0.20	GMIP (2.4)	ENSG00000254235 (2	PBX4 (2.0)
0.74	>=0.20	C19orf52 (2.3)	YIPF2 (2.1)	CEP250 (2.0)
0.74	>=0.20	OASL (2.9)	PARP10 (2.8)	ENSG00000235545 (2

0.74	>=0.20	OTX1 (3.4)	EHBP1 (3.1)	DOCK7 (2.8)
0.74	>=0.20	CILP2 (4.5)	MAP3K4 (2.0)	SNX17 (1.9)
0.74	>=0.20	NOP58 (2.3)	SUMO1 (2.2)	ERGIC3 (2.0)
0.74	>=0.20	NYNRIN (2.9)	ATXN7L2 (2.6)	TBKBP1 (2.4)
0.74	>=0.20	GMIP (3.1)	AMPD2 (2.9)	FUT1 (2.6)
0.74	>=0.20	LPIN3 (2.8)	CILP2 (2.3)	TRAM2 (2.1)
0.75	>=0.20	ENSG00000226648 (2	DOCK6 (2.6)	RASIP1 (2.4)
0.75	>=0.20	GNAT2 (5.4)	RP1 (4.7)	GPR61 (2.3)
0.75	>=0.20	ENSG00000226648 (2	BUD13 (2.2)	GOT2P1 (2.2)
0.75	>=0.20	ATXN1L (2.4)	TBKBP1 (2.4)	GSTM5 (2.2)
0.75	>=0.20	TOMM40 (2.9)	NOP58 (2.8)	C12orf43 (2.4)
0.75	>=0.20	SNX17 (3.3)	NPEPPS (2.6)	ATP13A1 (2.6)
0.75	>=0.20	GSTM4 (3.1)	FGF21 (3.0)	LPAL2 (2.8)
0.75	>=0.20	NOP58 (2.4)	KPNB1 (2.2)	ZNF259 (2.0)
0.75	>=0.20	TRIM54 (3.1)	RASIP1 (2.5)	SYPL2 (2.4)
0.75	>=0.20	TRIM54 (3.6)	GATAD2A (3.1)	TRIB1 (2.9)
0.75	>=0.20	MAFB (2.7)	MYLIP (2.4)	CYP26A1 (2.3)
0.75	>=0.20	RP1 (9.9)	GNAT2 (7.8)	ENSG00000226648 (1
0.75	>=0.20	GPAM (2.3)	GSTM4 (2.0)	PCSK9 (2.0)
0.75	>=0.20	ENSG00000244861 (3	DOCK7 (3.2)	ATXN1L (2.7)
0.75	>=0.20	ENSG00000244861 (3	DOCK7 (3.2)	ATXN1L (2.7)
0.75	>=0.20	CILP2 (5.0)	GDF5 (3.4)	NYNRIN (2.5)
0.75	>=0.20	CYP26A1 (3.1)	OTX1 (3.0)	HAVCR1 (2.8)
0.75	>=0.20	FADS2 (2.6)	LPAL2 (2.1)	FADS1 (2.0)
0.75	>=0.20	YSK4 (2.7)	GRINA (1.9)	ENSG00000244861 (1
0.75	>=0.20	ST3GAL4 (2.7)	GPR61 (2.5)	ENSG00000254235 (2
0.75	>=0.20	CILP2 (3.3)	LPAL2 (2.8)	CYP26A1 (2.6)
0.75	>=0.20	HAVCR1 (3.5)	CYB561D1 (3.3)	COL4A3BP (2.5)
0.75	>=0.20	CELSR2 (2.7)	EHBP1 (2.6)	ENSG00000182329 (2
0.75	>=0.20	ENSG00000226622 (2	MYLIP (2.0)	GDF5 (1.7)
0.75	>=0.20	ENSG00000231204 (4	ENSG00000182329 (2	FNDC4 (1.7)
0.75	>=0.20	GPR61 (2.9)	ABCA6 (2.8)	ENSG00000235545 (2
0.75	>=0.20	PGS1 (2.2)	ERGIC3 (2.1)	NOP58 (1.5)
0.75	>=0.20	YIPF2 (4.2)	IFT172 (3.7)	RAB3GAP1 (3.0)
0.75	>=0.20	YIPF2 (4.2)	IFT172 (3.7)	RAB3GAP1 (3.0)
0.75	>=0.20	TRIB1 (5.8)	MAP3K4 (2.2)	MAMSTR (1.9)
0.75	>=0.20	TOMM40 (1.8)	ABCA6 (1.7)	DHODH (1.6)
0.75	>=0.20	TRAM2 (2.9)	ST3GAL4 (2.8)	HAVCR1 (2.1)
0.75	>=0.20	GMIP (3.0)	LPAR2 (2.6)	USP24 (2.5)
0.75	>=0.20	ATXN1L (2.5)	SNX17 (2.3)	COL4A3BP (2.1)
0.75	>=0.20	MCM6 (6.6)	USP1 (5.3)	FEN1 (5.2)
0.75	>=0.20	OTX1 (3.0)	ATXN7L2 (2.8)	ZNF513 (2.3)
0.75	>=0.20	IZUMO1 (2.6)	ENSG00000182329 (2	ENSG00000236436 (2
0.75	>=0.20	YIPF2 (4.9)	IFT172 (3.3)	NRBP1 (3.3)
0.75	>=0.20	YIPF2 (4.9)	IFT172 (3.3)	NRBP1 (3.3)
0.75	>=0.20	PSMA5 (3.8)	UBXN4 (3.3)	NFE2L3 (2.5)
0.75	>=0.20	PSMA5 (3.8)	UBXN4 (3.3)	NFE2L3 (2.5)
0.75	>=0.20	TRIM54 (2.7)	MAMSTR (2.5)	GSTM5 (2.5)
0.75	>=0.20	YSK4 (2.8)	CYP26A1 (2.8)	DNAH11 (2.1)
0.75	>=0.20	SNX17 (3.7)	DARS (3.3)	PSMA5 (2.9)

0.75	>=0.20	SLC22A2 (2.2)	GSTM5 (2.1)	CELSR2 (2.1)
0.75	>=0.20	BUD13 (2.8)	NPEPPS (2.6)	DARS (2.2)
0.75	>=0.20	GATAD2A (2.6)	NOP58 (2.6)	C12orf43 (2.2)
0.75	>=0.20	PSRC1 (5.2)	FEN1 (4.5)	USP1 (3.8)
0.75	>=0.20	NCAN (2.7)	GPR61 (2.1)	TBKBP1 (2.0)
0.75	>=0.20	AMPD2 (2.6)	GMIP (2.5)	LPAR2 (2.2)
0.75	>=0.20	POLK (3.6)	OTX1 (2.3)	GNAI3 (2.2)
0.75	>=0.20	GOT2P1 (3.1)	GSTM4 (2.2)	HAPLN4 (2.2)
0.75	>=0.20	CELSR2 (3.8)	ERGIC3 (3.0)	CLPTM1 (2.9)
0.75	>=0.20	SLC22A3 (2.4)	CELSR2 (2.2)	EHBP1 (2.1)
0.75	>=0.20	CELSR2 (3.2)	RAB3GAP1 (2.6)	GSTM4 (2.5)
0.75	>=0.20	ERGIC3 (2.1)	PGS1 (1.5)	GATAD2A (1.4)
0.75	>=0.20	PLCG1 (2.9)	SNX17 (2.9)	PGS1 (2.4)
0.75	>=0.20	GNAI3 (3.0)	GATAD2A (2.8)	SNX17 (2.8)
0.75	>=0.20	RAB3GAP1 (3.4)	MAP3K4 (2.9)	GNAI3 (2.6)
0.75	>=0.20	YIPF2 (5.3)	UBXN4 (2.6)	IST1 (2.6)
0.75	>=0.20	ENSG00000235545 (4	ENSG00000228044 (3	SLC22A3 (2.4)
0.75	>=0.20	C19orf52 (2.3)	ATP13A1 (2.1)	SUGP1 (2.1)
0.75	>=0.20	MAP3K4 (3.0)	PARP10 (2.2)	POLK (2.2)
0.75	>=0.20	GNAI3 (2.6)	GMIP (2.0)	CYB561D1 (2.0)
0.75	>=0.20	FNDC4 (2.8)	ZHX3 (2.4)	SUGP1 (1.8)
0.75	>=0.20	KRTCAP3 (2.9)	ATXN1L (2.3)	FUT1 (2.2)
0.75	>=0.20	NOP58 (2.8)	ZNF259 (2.6)	ATP13A1 (2.5)
0.75	>=0.20	HAVCR1 (3.7)	RELB (2.7)	PARP10 (2.4)
0.75	>=0.20	AMPD2 (2.5)	TRAM2 (2.5)	AMIGO1 (2.2)
0.75	>=0.20	ENSG00000231204 (3	OTX1 (2.8)	PBX4 (2.8)
0.75	>=0.20	RP1 (5.1)	GNAT2 (3.9)	ENSG00000235545 (2
0.75	>=0.20	ENSG00000254235 (2	LPAL2 (2.3)	GOT2P1 (2.3)
0.75	>=0.20	GDF5 (3.2)	IZUMO1 (2.5)	FUT2 (2.5)
0.75	>=0.20	ENSG00000231204 (2	GPR61 (2.6)	OBP2B (2.4)
0.75	>=0.20	PLEC (3.3)	DOCK6 (2.8)	KANK2 (2.6)
0.75	>=0.20	SARS (6.3)	ZNF259 (3.3)	NOP58 (2.9)
0.75	>=0.20	PMFBP1 (2.8)	ENSG00000226622 (2	MAFB (2.2)
0.75	>=0.20	ENSG00000231204 (2	AMIGO1 (2.5)	HNF1A (2.2)
0.75	>=0.20	LCT (3.7)	ENSG00000226806 (2	FADS2 (1.9)
0.75	>=0.20	ABCA6 (3.1)	PMFBP1 (1.7)	TIMD4 (1.5)
0.75	>=0.20	ZNF513 (4.0)	TXNL4B (3.2)	ZNF821 (2.2)
0.75	>=0.20	TRIM54 (8.6)	SYPL2 (5.6)	PVRL2 (1.8)
0.75	>=0.20	COL4A3BP (3.4)	HAVCR1 (3.3)	CYB561D1 (3.2)
0.75	>=0.20	MCM6 (4.9)	FEN1 (4.9)	USP1 (3.1)
0.75	>=0.20	ZNF513 (3.3)	ENSG00000244861 (2	RELB (2.4)
0.76	>=0.20	FUT2 (3.1)	HP (2.3)	DNAH11 (2.1)
0.76	>=0.20	PLEC (2.5)	SLC22A3 (2.3)	FGF21 (1.9)
0.76	>=0.20	HAVCR1 (3.4)	LPAL2 (2.7)	COL4A3BP (2.7)
0.76	>=0.20	GNAT2 (4.1)	RP1 (3.6)	ZNF821 (2.7)
0.76	>=0.20	CILP2 (3.5)	BCAM (2.3)	TRAM2 (2.0)
0.76	>=0.20	ENSG00000226622 (3	TM6SF2 (2.5)	GSTM4 (2.4)
0.76	>=0.20	HAPLN4 (3.0)	NPEPPS (2.1)	C11orf9 (2.1)
0.76	>=0.20	GATAD2A (3.0)	IFT172 (2.4)	KANK2 (2.4)
0.76	>=0.20	PSMA5 (3.2)	KPNB1 (3.1)	PARP10 (2.8)

0.76	>=0.20	OASL (3.2)	PARP10 (3.1)	MYLIP (2.7)
0.76	>=0.20	LPAR2 (2.8)	GATAD2A (2.7)	GMIP (2.7)
0.76	>=0.20	BUD13 (3.3)	SUGP1 (2.8)	ZNF259 (2.5)
0.76	>=0.20	MCM6 (3.2)	NOP58 (3.1)	KPNB1 (3.0)
0.76	>=0.20	CELSR2 (2.8)	ENSG00000235545 (2	NCAN (1.8)
0.76	>=0.20	PSRC1 (5.1)	FEN1 (4.4)	USP1 (4.0)
0.76	>=0.20	RASIP1 (2.8)	KANK2 (2.4)	FUT1 (2.4)
0.76	>=0.20	GMIP (3.5)	PLCG1 (3.2)	ENSG00000226806 (2
0.76	>=0.20	FUT2 (2.5)	COL4A3BP (2.5)	APOB (2.4)
0.76	>=0.20	FER1L4 (3.2)	NCAN (2.6)	GOT2P1 (2.3)
0.76	>=0.20	AMIGO1 (2.2)	ABO (2.2)	AMPD2 (2.1)
0.76	>=0.20	CILP2 (5.0)	APOE (2.5)	OTX1 (2.4)
0.76	>=0.20	GOT2P1 (3.4)	OTX1 (2.9)	ENSG00000231204 (2
0.76	>=0.20	YSK4 (7.3)	DNAH11 (4.4)	IFT172 (3.6)
0.76	>=0.20	HNF1A (3.7)	ENSG00000236436 (2	ZNF821 (1.9)
0.76	>=0.20	MAMSTR (3.6)	NCAN (3.4)	LCT (2.1)
0.76	>=0.20	COL4A3BP (2.7)	DNAH11 (2.4)	EHBP1 (2.4)
0.76	>=0.20	NPEPPS (2.9)	MYLIP (2.7)	ENSG00000226645 (2
0.76	>=0.20	ERGIC3 (2.3)	NOP58 (1.9)	SARS (1.7)
0.76	>=0.20	ERGIC3 (2.3)	NOP58 (1.9)	SARS (1.7)
0.76	>=0.20	C19orf80 (3.0)	ZHX3 (2.5)	ABCG5 (2.4)
0.76	>=0.20	POC5 (3.6)	PSRC1 (3.3)	LPIN3 (3.0)
0.76	>=0.20	GSTM5 (3.1)	MAMSTR (2.8)	SYPL2 (2.7)
0.76	>=0.20	NYNRIN (2.5)	C11orf9 (2.2)	PSRC1 (2.1)
0.76	>=0.20	GNAI3 (3.5)	FNDC4 (2.5)	PVRL2 (2.4)
0.76	>=0.20	ZHX3 (3.0)	SORT1 (3.0)	SLC22A2 (2.7)
0.76	>=0.20	BUD13 (2.5)	PSMA5 (2.2)	SUMO1 (2.2)
0.76	>=0.20	ENSG00000231204 (2	GPR61 (2.9)	OBP2B (2.5)
0.76	>=0.20	ENSG00000231204 (2	GPR61 (2.9)	OBP2B (2.5)
0.76	>=0.20	GDF5 (3.0)	CYP26A1 (2.5)	CILP2 (2.3)
0.76	>=0.20	ENSG00000226645 (2	COL4A3BP (1.8)	PVR (1.8)
0.76	>=0.20	ERGIC3 (3.1)	HAPLN4 (2.5)	APOE (2.5)
0.76	>=0.20	DOCK6 (4.0)	NCAN (3.2)	RASIP1 (3.0)
0.76	>=0.20	OTX1 (2.8)	ENSG00000244861 (2	ZHX3 (2.0)
0.76	>=0.20	PBX4 (2.1)	PGS1 (2.1)	TRIB1 (2.0)
0.76	>=0.20	GNAI3 (4.4)	GATAD2A (2.5)	FNDC4 (2.4)
0.76	>=0.20	ZHX3 (3.5)	FUT2 (2.6)	IGF2R (2.6)
0.76	>=0.20	CYB561D1 (3.2)	ATP13A1 (2.4)	ERGIC3 (2.2)
0.76	>=0.20	POLK (2.5)	TBKBP1 (2.3)	IGF2R (2.3)
0.76	>=0.20	CYP26A1 (3.5)	MYLIP (2.9)	SLC22A2 (2.6)
0.76	>=0.20	FUT1 (5.6)	CBLC (4.6)	BCAM (2.4)
0.76	>=0.20	CELSR2 (3.0)	AMIGO1 (2.5)	OBP2B (2.3)
0.76	>=0.20	SUGP1 (3.2)	BUD13 (2.8)	TXNL4B (2.7)
0.76	>=0.20	ENSG00000256731 (3	ENSG00000236436 (2	ZNF821 (1.9)
0.76	>=0.20	ZRANB3 (3.3)	MCM6 (2.8)	CEP250 (2.6)
0.76	>=0.20	BUD13 (3.0)	SMARCA4 (2.9)	GATAD2A (2.6)
0.76	>=0.20	KANK2 (2.9)	ENSG00000226645 (2	ATXN1L (2.3)
0.76	>=0.20	ZRANB3 (3.3)	MCM6 (3.0)	USP1 (3.0)
0.76	>=0.20	CELSR2 (2.6)	TRIB1 (2.5)	R3HDM1 (2.5)
0.76	>=0.20	CYP26A1 (2.5)	NYNRIN (2.3)	MYLIP (2.0)

0.76 >=0.20	TSSK6 (3.6)	OBP2B (3.2)	SPATC1 (2.6)
0.76 >=0.20	DARS (3.2)	GNAI3 (3.0)	TOMM40 (2.5)
0.76 >=0.20	MAMSTR (4.6)	GDF5 (3.7)	PVR (3.2)
0.76 >=0.20	GNAI3 (3.3)	CYB561D1 (2.3)	CARM1 (1.9)
0.76 >=0.20	TSSK6 (3.1)	OBP2B (2.7)	C17orf57 (1.7)
0.76 >=0.20	ZHX3 (3.9)	GDF5 (2.2)	SORT1 (2.1)
0.76 >=0.20	MCM6 (4.6)	FEN1 (4.3)	USP1 (3.9)
0.76 >=0.20	MCM6 (7.0)	FEN1 (6.2)	USP1 (5.0)
0.76 >=0.20	LCT (2.7)	TM6SF2 (1.9)	APOA4 (1.9)
0.76 >=0.20	ZNF259 (3.4)	DHODH (2.5)	C12orf43 (2.2)
0.76 >=0.20	ZNF259 (3.4)	DHODH (2.5)	C12orf43 (2.2)
0.76 >=0.20	ABO (2.8)	MYLIP (2.4)	ENSG00000244861 (2
0.76 >=0.20	PSRC1 (3.2)	POC5 (2.8)	LPIN3 (2.8)
0.76 >=0.20	MAMSTR (5.4)	SYPL2 (3.9)	TRIM54 (2.8)
0.76 >=0.20	SYPL2 (3.6)	KANK2 (3.4)	PLEC (3.1)
0.76 >=0.20	NFE2L3 (2.5)	ABCA5 (2.3)	GPR61 (2.2)
0.76 >=0.20	RASIP1 (3.8)	BCAM (2.5)	NYNRIN (2.4)
0.76 >=0.20	POLK (2.0)	ZRANB3 (1.9)	PBX4 (1.9)
0.76 >=0.20	OBP2B (3.1)	FER1L4 (2.6)	ENSG00000231204 (2
0.77 >=0.20	HMGCR (5.5)	LDLR (5.0)	FADS1 (3.5)
0.77 >=0.20	CARM1 (3.5)	ATP13A1 (2.7)	NOP58 (2.4)
0.77 >=0.20	FER1L4 (2.5)	BUD13 (2.3)	C11orf9 (2.3)
0.77 >=0.20	NOP58 (2.6)	PLEC (2.4)	NRBP1 (2.0)
0.77 >=0.20	TRIM54 (6.6)	SYPL2 (3.5)	BCAM (2.0)
0.77 >=0.20	GNAT2 (8.6)	RP1 (7.9)	IZUMO1 (2.5)
0.77 >=0.20	POLK (3.0)	C17orf57 (2.2)	ZNF259 (2.1)
0.77 >=0.20	BUD13 (2.6)	AMPD2 (2.4)	GMIP (2.4)
0.77 >=0.20	TRIM54 (5.1)	SYPL2 (3.2)	HAVCR1 (2.7)
0.77 >=0.20	TRIM54 (3.3)	SYPL2 (2.9)	AMIGO1 (2.8)
0.77 >=0.20	GPR61 (2.2)	OASL (1.8)	KANK2 (1.6)
0.77 >=0.20	NCAN (2.8)	ABO (2.8)	NYNRIN (2.6)
0.77 >=0.20	SLC44A2 (2.4)	CEP250 (2.3)	C19orf52 (2.0)
0.77 >=0.20	RELB (2.6)	ABCA1 (2.5)	MAU2 (2.5)
0.77 >=0.20	TRIB1 (3.1)	ZNF513 (2.9)	SNX17 (2.4)
0.77 >=0.20	HNF1A (2.4)	AMPD2 (2.2)	TSSK6 (2.2)
0.77 >=0.20	NCAN (2.3)	ENSG00000236436 (2	MYLIP (2.1)
0.77 >=0.20	PLCG1 (2.5)	MYLIP (2.4)	NPEPPS (2.0)
0.77 >=0.20	ERGIC3 (1.9)	OTX1 (1.6)	TRIM54 (1.5)
0.77 >=0.20	FEN1 (6.8)	MCM6 (6.5)	USP1 (4.9)
0.77 >=0.20	GSTM5 (3.6)	AMIGO1 (3.1)	ENSG00000182329 (2
0.77 >=0.20	POC5 (3.1)	DHX38 (2.7)	NUP93 (2.6)
0.77 >=0.20	MCM6 (6.5)	FEN1 (6.0)	USP1 (5.7)
0.77 >=0.20	GSTM4 (2.6)	TOMM40 (2.3)	C19orf52 (2.0)
0.77 >=0.20	SYPL2 (6.6)	TRIM54 (5.6)	MAMSTR (3.9)
0.77 >=0.20	NCAN (4.7)	MAMSTR (2.6)	OTX1 (2.5)
0.77 >=0.20	ENSG00000228044 (3	GSTM5 (2.7)	SLC22A2 (2.6)
0.77 >=0.20	MCM6 (6.7)	FEN1 (6.4)	USP1 (4.9)
0.77 >=0.20	RP1 (5.1)	GNAT2 (4.6)	CETP (1.9)
0.77 >=0.20	EHBP1 (2.8)	MAMSTR (2.5)	OBP2B (2.4)
0.77 >=0.20	ABO (2.4)	FUT2 (2.1)	FUT1 (2.0)

0.77	>=0.20	CILP2 (4.1)	CYP26A1 (3.1)	IGF2R (3.1)
0.77	>=0.20	AMIGO1 (2.1)	FGF21 (2.0)	ENSG00000228044 (2
0.77	>=0.20	AMIGO1 (2.1)	FGF21 (2.0)	ENSG00000228044 (2
0.77	>=0.20	ATXN1L (3.4)	CEP250 (2.4)	USP1 (2.3)
0.77	>=0.20	CILP2 (3.2)	GDF5 (3.0)	NYNRIN (2.2)
0.77	>=0.20	CILP2 (3.2)	GDF5 (3.0)	NYNRIN (2.2)
0.77	>=0.20	PSMA5 (2.7)	IST1 (2.7)	ENSG00000226648 (2
0.77	>=0.20	APOA4 (5.5)	LCT (4.6)	TM6SF2 (3.8)
0.77	>=0.20	KRTCAP3 (2.1)	LIPG (1.9)	ZRANB3 (1.8)
0.77	>=0.20	ENSG00000231204 (3	GPR61 (2.5)	OBP2B (2.1)
0.77	>=0.20	GMIP (4.0)	MAP3K4 (2.4)	SNX17 (2.4)
0.77	>=0.20	GMIP (4.0)	MAP3K4 (2.4)	SNX17 (2.4)
0.77	>=0.20	YIPF2 (4.1)	CLPTM1 (3.1)	ATP13A1 (2.6)
0.77	>=0.20	PVRL2 (3.1)	C11orf9 (3.1)	ATXN1L (2.7)
0.77	>=0.20	TRIB1 (4.4)	PLCG1 (4.1)	ATXN1L (3.5)
0.77	>=0.20	CYP26A1 (3.5)	MYLIP (2.3)	GDF5 (1.7)
0.77	>=0.20	NCAN (2.8)	CELSR2 (2.5)	ZHX3 (2.3)
0.77	>=0.20	C12orf43 (3.9)	POC5 (2.8)	ZNF259 (2.6)
0.77	>=0.20	FGF21 (3.4)	EHBP1 (2.2)	NRBP1 (2.0)
0.77	>=0.20	PARP10 (4.5)	OASL (3.5)	NFE2L3 (1.8)
0.77	>=0.20	LPL (3.0)	ENSG00000228044 (2	HNF1A (2.0)
0.77	>=0.20	COL4A3BP (3.1)	GRINA (2.5)	ATXN1L (2.3)
0.77	>=0.20	GATAD2A (3.8)	GNAI3 (2.8)	TOP1 (2.0)
0.77	>=0.20	DOCK6 (3.0)	PLCG1 (2.6)	USP24 (2.4)
0.77	>=0.20	DOCK6 (3.0)	PLCG1 (2.6)	USP24 (2.4)
0.77	>=0.20	ENSG00000235545 (2	ENSG00000226648 (2	ENSG00000226645 (2
0.77	>=0.20	PLEC (2.9)	TRIM54 (2.9)	PVR (2.6)
0.77	>=0.20	GDF5 (3.3)	CILP2 (2.2)	NYNRIN (2.0)
0.77	>=0.20	RP1 (6.7)	GNAT2 (6.1)	ENSG00000235545 (2
0.77	>=0.20	SUGP1 (2.6)	ZNF259 (2.6)	RAB3GAP1 (2.3)
0.77	>=0.20	MAMSTR (3.0)	GSTM5 (3.0)	TRIM54 (2.8)
0.77	>=0.20	PLCG1 (3.3)	ENSG00000226806 (3	GMIP (2.8)
0.77	>=0.20	NPEPPS (2.3)	ZNF821 (2.0)	SUMO1 (1.9)
0.77	>=0.20	MAMSTR (6.7)	SYPL2 (4.8)	GDF5 (3.0)
0.77	>=0.20	PBX4 (2.2)	IZUMO1 (2.1)	FEN1 (1.9)
0.77	>=0.20	TRIB1 (3.1)	CLPTM1 (2.3)	PVR (2.2)
0.77	>=0.20	ENSG00000236436 (2	ENSG00000235545 (2	LPAL2 (2.2)
0.77	>=0.20	APOA4 (3.1)	HNF1A (2.9)	ENSG00000226622 (2
0.77	>=0.20	ERGIC3 (2.5)	NOP58 (1.7)	GATAD2A (1.5)
0.77	>=0.20	PLCG1 (4.2)	ENSG00000226806 (3	ENSG00000236267 (2
0.77	>=0.20	PLCG1 (4.2)	ENSG00000226806 (3	ENSG00000236267 (2
0.77	>=0.20	GPAM (2.8)	C19orf80 (2.7)	LPL (2.5)
0.77	>=0.20	C19orf52 (2.9)	CYB561D1 (2.2)	PBX4 (1.9)
0.77	>=0.20	TSSK6 (2.8)	ABO (2.5)	ENSG00000254235 (2
0.77	>=0.20	TRIM54 (3.0)	SYPL2 (2.8)	SLC44A2 (2.3)
0.77	>=0.20	KANK2 (2.5)	PLCG1 (2.3)	EHBP1 (2.0)
0.77	>=0.20	KANK2 (2.0)	GDF5 (2.0)	ZNF513 (1.9)
0.77	>=0.20	USP24 (4.2)	COL4A3BP (3.4)	UBXN4 (2.6)
0.77	>=0.20	C19orf52 (2.2)	ENSG00000231204 (1	NPEPPS (1.6)
0.77	>=0.20	SUGP1 (3.9)	NUP93 (3.2)	PSMA5 (3.1)

0.77	>=0.20	DNAH11 (2.8)	RAB3GAP1 (2.2)	ENSG00000226648 (1
0.77	>=0.20	CILP2 (6.3)	GDF5 (2.1)	APOE (2.1)
0.77	>=0.20	GNAI3 (3.7)	TOP1 (2.7)	PSMA5 (2.4)
0.77	>=0.20	ENSG00000256731 (5	SLC22A2 (3.5)	ENSG00000231204 (2
0.78	>=0.20	ENSG00000256731 (6	FER1L4 (3.0)	SLC22A2 (2.2)
0.78	>=0.20	DNAH11 (4.1)	YSK4 (4.0)	ENSG00000182329 (3
0.78	>=0.20	GNAT2 (7.9)	RP1 (7.4)	IZUMO1 (2.8)
0.78	>=0.20	PLCG1 (2.8)	PARP10 (2.5)	IGF2R (2.2)
0.78	>=0.20	PLCG1 (2.8)	PARP10 (2.5)	IGF2R (2.2)
0.78	>=0.20	PLCG1 (2.8)	PARP10 (2.5)	IGF2R (2.2)
0.78	>=0.20	SMARCA4 (2.9)	MAP3K4 (2.7)	TOP1 (2.6)
0.78	>=0.20	HAPLN4 (2.7)	ZHX3 (2.7)	GPAM (2.5)
0.78	>=0.20	ZNF513 (3.4)	MAP3K4 (2.5)	RAB3GAP1 (2.3)
0.78	>=0.20	OASL (3.0)	PARP10 (2.5)	MYLIP (2.3)
0.78	>=0.20	TRIM54 (3.2)	RASIP1 (2.9)	UBXN4 (2.9)
0.78	>=0.20	BCAM (3.4)	ENSG00000226648 (2	PBX4 (2.1)
0.78	>=0.20	BMPR2 (1.8)	OBP2B (1.7)	ENSG00000226648 (1
0.78	>=0.20	CYP26A1 (3.8)	OTX1 (2.1)	BCAM (2.1)
0.78	>=0.20	PSMA5 (2.6)	UBXN4 (2.4)	ENSG00000226622 (2
0.78	>=0.20	GDF5 (3.5)	FUT2 (3.0)	IZUMO1 (2.7)
0.78	>=0.20	OASL (3.1)	SUGP1 (2.7)	MAU2 (2.7)
0.78	>=0.20	ABO (2.6)	MYLIP (2.4)	DNAH11 (2.3)
0.78	>=0.20	SLC22A2 (4.6)	HNF4A (2.6)	GPR61 (2.2)
0.78	>=0.20	HAVCR1 (3.4)	SLC22A2 (2.8)	KANK2 (2.5)
0.78	>=0.20	DOCK7 (2.2)	ZNF513 (2.2)	SUMO1 (2.1)
0.78	>=0.20	TOP1 (2.7)	DOCK6 (2.5)	CBLC (1.9)
0.78	>=0.20	NOP58 (3.2)	GATAD2A (1.6)	SUMO1 (1.6)
0.78	>=0.20	GDF5 (3.7)	CILP2 (2.3)	NYNRIN (2.1)
0.78	>=0.20	KPNB1 (2.8)	GNAI3 (2.6)	IST1 (2.6)
0.78	>=0.20	MCM6 (6.0)	FEN1 (5.4)	USP1 (4.8)
0.78	>=0.20	CYB561D1 (3.4)	HAVCR1 (3.1)	COL4A3BP (2.7)
0.78	>=0.20	TRIM54 (3.7)	SYPL2 (3.7)	KANK2 (3.6)
0.78	>=0.20	IGF2R (2.9)	GATAD2A (2.6)	PLCG1 (2.5)
0.78	>=0.20	DHODH (3.4)	SUGP1 (3.1)	POC5 (2.7)
0.78	>=0.20	GSTM4 (4.0)	IZUMO1 (2.1)	SLC22A1 (1.9)
0.78	>=0.20	SYPL2 (4.4)	TRIM54 (4.2)	ENSG00000226648 (2
0.78	>=0.20	ENSG00000226806 (3	PLCG1 (2.7)	GMIP (2.4)
0.78	>=0.20	HAPLN4 (3.5)	BMPR2 (2.8)	ENSG00000182329 (2
0.78	>=0.20	MCM6 (6.8)	FEN1 (6.0)	USP1 (5.3)
0.78	>=0.20	PARP10 (2.7)	C17orf57 (2.6)	TRIM54 (2.2)
0.78	>=0.20	GMIP (4.1)	CEP250 (3.9)	BMPR2 (2.7)
0.78	>=0.20	COL4A3BP (3.0)	CYB561D1 (2.4)	DOCK7 (2.0)
0.78	>=0.20	MAMSTR (3.8)	ATXN7L2 (2.7)	ENSG00000228044 (2
0.78	>=0.20	ZHX3 (2.1)	ENSG00000254235 (2	GPR61 (2.0)
0.78	>=0.20	TSSK6 (4.7)	SPATC1 (3.6)	PMFBP1 (3.6)
0.78	>=0.20	CETP (3.7)	TIMD4 (3.4)	PLCG1 (2.6)
0.78	>=0.20	EHBP1 (2.9)	OBP2B (2.6)	MAMSTR (2.4)
0.78	>=0.20	CYB561D1 (2.5)	SLC44A2 (1.8)	OTX1 (1.8)
0.78	>=0.20	OBP2B (3.9)	C11orf9 (2.8)	CYP26A1 (2.4)
0.78	>=0.20	OTX1 (3.5)	CYP26A1 (3.0)	RP1 (2.2)

0.78	>=0.20	TRAM2 (3.0)	ST3GAL4 (2.5)	EHBP1 (2.2)
0.78	>=0.20	FUT1 (2.1)	GSTM5 (1.8)	GMIP (1.8)
0.78	>=0.20	NRBP1 (2.8)	UBXN4 (2.5)	RAB3GAP1 (2.3)
0.78	>=0.20	PSMA5 (4.6)	UBXN4 (3.7)	TOMM40 (2.4)
0.78	>=0.20	HMGCR (4.7)	LDLR (4.3)	FADS1 (3.9)
0.78	>=0.20	PARP10 (3.0)	APOE (2.5)	NFE2L3 (2.0)
0.78	>=0.20	NOP58 (3.2)	DARS (2.0)	SUGP1 (2.0)
0.78	>=0.20	CELSR2 (2.9)	CBLC (2.0)	GSTM5 (2.0)
0.78	>=0.20	CBLC (4.3)	KRTCAP3 (3.1)	C17orf57 (2.7)
0.78	>=0.20	GRINA (3.0)	TRIB1 (2.8)	CELSR2 (2.3)
0.78	>=0.20	TRIB1 (7.1)	PVR (2.1)	POLK (1.7)
0.78	>=0.20	ENSG00000236436 (3	C19orf52 (3.0)	GDF5 (2.8)
0.78	>=0.20	SMARCA4 (2.2)	KPNB1 (2.1)	PPM1G (2.1)
0.78	>=0.20	SMARCA4 (2.2)	KPNB1 (2.1)	PPM1G (2.1)
0.78	>=0.20	OTX1 (4.3)	BCAM (3.9)	FUT1 (2.4)
0.78	>=0.20	OTX1 (6.0)	EHBP1 (3.4)	PBX4 (2.8)
0.78	>=0.20	TXNL4B (2.1)	TSSK6 (2.1)	C17orf57 (2.0)
0.78	>=0.20	C19orf52 (2.9)	SNX17 (2.6)	SMARCA4 (2.4)
0.78	>=0.20	ENSG00000182329 (2	GRINA (2.0)	SORT1 (2.0)
0.78	>=0.20	PSRC1 (4.5)	YSK4 (3.7)	DNAH11 (3.1)
0.78	>=0.20	DHODH (2.1)	ENSG00000235545 (1	CEP250 (1.6)
0.78	>=0.20	PBX4 (2.8)	PLCG1 (2.6)	TIMD4 (2.2)
0.78	>=0.20	GDF5 (3.0)	DNAH11 (2.5)	NYNRIN (2.4)
0.78	>=0.20	GDF5 (3.0)	DNAH11 (2.5)	NYNRIN (2.4)
0.78	>=0.20	ENSG00000231204 (3	ENSG00000236436 (2	ENSG00000254235 (2
0.78	>=0.20	PSMA5 (3.9)	UBXN4 (2.9)	SNX17 (2.7)
0.78	>=0.20	GNAI3 (2.8)	KANK2 (2.4)	CLPTM1 (2.1)
0.78	>=0.20	BCAM (3.4)	HAVCR1 (2.8)	C11orf9 (2.7)
0.78	>=0.20	BCAM (3.4)	HAVCR1 (2.8)	C11orf9 (2.7)
0.78	>=0.20	C12orf43 (3.1)	SUGP1 (2.8)	SUMO1 (2.6)
0.78	>=0.20	HNF1A (3.9)	C11orf9 (2.8)	HNF4A (2.4)
0.78	>=0.20	SLC22A2 (3.3)	SLC22A3 (2.5)	ENSG00000256731 (2
0.78	>=0.20	ENSG00000226645 (2	GDF5 (1.6)	GMIP (1.6)
0.78	>=0.20	TOP1 (2.7)	NOP58 (2.3)	KPNB1 (2.1)
0.78	>=0.20	C11orf9 (3.4)	OBP2B (3.0)	CYP26A1 (2.1)
0.78	>=0.20	PLCG1 (3.7)	ENSG00000226806 (3	PBX4 (3.4)
0.78	>=0.20	SLC22A2 (6.1)	ANGPTL3 (4.1)	PLG (3.4)
0.78	>=0.20	PPM1G (2.7)	DHX38 (2.7)	TOP1 (2.6)
0.78	>=0.20	TOMM40 (3.1)	UBXN4 (2.8)	TOP1 (2.6)
0.78	>=0.20	ZHX3 (2.8)	ENSG00000226645 (2	GPR61 (2.2)
0.78	>=0.20	SMARCA4 (2.7)	PPM1G (2.4)	CARM1 (2.2)
0.78	>=0.20	SMARCA4 (2.7)	PPM1G (2.4)	CARM1 (2.2)
0.78	>=0.20	GDF5 (2.5)	CELSR2 (2.1)	CILP2 (2.0)
0.78	>=0.20	SPATC1 (3.4)	LPIN3 (2.7)	PMFBP1 (2.6)
0.78	>=0.20	SPATC1 (3.4)	LPIN3 (2.7)	PMFBP1 (2.6)
0.78	>=0.20	FUT1 (2.4)	GSTM5 (2.0)	ENSG00000235545 (1
0.78	>=0.20	ABO (3.1)	CYP26A1 (2.4)	ATXN7L2 (1.9)
0.79	>=0.20	ENSG00000235545 (2	PGS1 (2.3)	SLC22A3 (2.0)
0.79	>=0.20	TRIM54 (3.9)	PLEC (3.0)	SYPL2 (2.2)
0.79	>=0.20	ABCG5 (3.5)	LCT (3.0)	TM6SF2 (2.9)

0.79	>=0.20	GNAT2 (4.0)	RP1 (3.3)	CYP26A1 (2.0)
0.79	>=0.20	FEN1 (6.3)	MCM6 (5.9)	USP1 (4.4)
0.79	>=0.20	PSMA5 (3.8)	UBXN4 (2.8)	SNX17 (2.4)
0.79	>=0.20	PSMA5 (3.8)	UBXN4 (2.8)	SNX17 (2.4)
0.79	>=0.20	COL4A3BP (4.0)	GNAI3 (3.1)	GATAD2A (2.8)
0.79	>=0.20	SMARCA4 (3.7)	KANK2 (2.7)	IST1 (2.3)
0.79	>=0.20	TSSK6 (4.9)	PMFBP1 (4.0)	IZUMO1 (3.1)
0.79	>=0.20	TRAM2 (3.4)	GDF5 (2.7)	SORT1 (2.3)
0.79	>=0.20	PSRC1 (5.7)	FEN1 (4.5)	ZRANB3 (4.2)
0.79	>=0.20	AMIGO1 (2.7)	OBP2B (2.6)	ENSG00000226622 (2
0.79	>=0.20	GNAT2 (3.6)	RP1 (3.2)	SNX17 (2.9)
0.79	>=0.20	TRIB1 (3.2)	CLPTM1 (2.2)	ZHX3 (2.2)
0.79	>=0.20	TSSK6 (4.4)	PMFBP1 (3.7)	ENSG00000228044 (3
0.79	>=0.20	ERGIC3 (2.3)	NOP58 (2.3)	SUMO1 (2.2)
0.79	>=0.20	MCM6 (4.7)	FEN1 (4.2)	USP1 (4.1)
0.79	>=0.20	ENSG00000226806 (4	PLCG1 (3.8)	GMIP (2.3)
0.79	>=0.20	NYNRIN (3.8)	ENSG00000226806 (2	IZUMO1 (2.7)
0.79	>=0.20	YIPF2 (4.1)	NRBP1 (3.1)	SNX17 (2.8)
0.79	>=0.20	TRIM54 (2.2)	KPNB1 (2.0)	PSMA5 (1.9)
0.79	>=0.20	LPAR2 (2.6)	FUT1 (2.6)	DOCK6 (2.3)
0.79	>=0.20	SUMO1 (2.7)	DHODH (2.6)	POC5 (2.4)
0.79	>=0.20	PLEC (2.7)	NCAN (2.3)	CBLC (2.1)
0.79	>=0.20	NCAN (2.8)	C11orf9 (2.4)	HAPLN4 (2.1)
0.79	>=0.20	PSRC1 (4.0)	CEP250 (3.7)	POC5 (3.4)
0.79	>=0.20	FUT2 (2.6)	GDF5 (2.3)	IZUMO1 (2.3)
0.79	>=0.20	ENSG00000226806 (3	FUT1 (3.4)	RASIP1 (3.3)
0.79	>=0.20	TRIM54 (4.6)	SYPL2 (2.9)	KANK2 (2.6)
0.79	>=0.20	BCAM (2.9)	LPL (2.3)	HAPLN4 (2.1)
0.79	>=0.20	SARS (5.0)	FUT1 (3.5)	ABCA5 (2.5)
0.79	>=0.20	ENSG00000256731 (3	C11orf9 (3.0)	ENSG00000236267 (2
0.79	>=0.20	C19orf52 (3.5)	YIPF2 (2.9)	AMIGO1 (2.0)
0.79	>=0.20	PMFBP1 (3.0)	TSSK6 (2.2)	CYP26A1 (2.1)
0.79	>=0.20	SLC22A2 (4.1)	HAVCR1 (3.9)	HNF4A (2.5)
0.79	>=0.20	TRIM54 (6.6)	BCAM (3.4)	RASIP1 (2.9)
0.79	>=0.20	TRIB1 (4.6)	GNAT2 (2.9)	NYNRIN (2.4)
0.79	>=0.20	ENSG00000236436 (2	SPATC1 (2.4)	PGS1 (2.1)
0.79	>=0.20	ENSG00000236436 (2	SPATC1 (2.4)	PGS1 (2.1)
0.79	>=0.20	SYPL2 (7.5)	TRIM54 (6.2)	MAMSTR (4.2)
0.79	>=0.20	NOP58 (3.4)	TOP1 (2.4)	SUGP1 (2.2)
0.79	>=0.20	ZHX3 (2.3)	TRIM54 (2.2)	MAMSTR (1.8)
0.79	>=0.20	IZUMO1 (3.7)	PBX4 (2.6)	ABCA5 (2.2)
0.79	>=0.20	NCAN (3.0)	SORT1 (2.5)	APOA4 (2.2)
0.79	>=0.20	NYNRIN (3.0)	RASIP1 (2.6)	SLC22A2 (2.1)
0.79	>=0.20	NOP58 (4.5)	ZNF259 (4.2)	TOMM40 (3.5)
0.79	>=0.20	PSRC1 (3.1)	MCM6 (2.4)	POC5 (2.4)
0.79	>=0.20	C17orf57 (2.4)	ENSG00000182329 (2	BUD13 (1.7)
0.79	>=0.20	TRIM54 (4.4)	SYPL2 (3.9)	MAMSTR (2.4)
0.79	>=0.20	DNAH11 (2.5)	ENSG00000226648 (2	PVR (2.3)
0.79	>=0.20	MCM6 (6.0)	FEN1 (5.5)	USP1 (4.7)
0.79	>=0.20	GRINA (4.8)	SARS (3.1)	NRBP1 (2.7)

0.79	>=0.20	MAMSTR (3.8)	OBP2B (3.0)	KRTCAP3 (2.3)
0.79	>=0.20	ENSG00000228044 (3	OBP2B (2.6)	GPR61 (2.1)
0.79	>=0.20	PSMA5 (3.5)	SNX17 (2.5)	UBXN4 (2.5)
0.79	>=0.20	TXNL4B (4.1)	DARS (3.4)	SARS (3.0)
0.79	>=0.20	PSRC1 (3.4)	POC5 (3.1)	FEN1 (2.8)
0.79	>=0.20	IGF2R (2.7)	ABCA5 (2.6)	COL4A3BP (2.4)
0.79	>=0.20	RP1 (8.5)	GNAT2 (6.2)	FER1L4 (2.7)
0.79	>=0.20	ENSG00000226622 (3	DNAH11 (3.0)	ENSG00000231204 (2
0.79	>=0.20	YSK4 (4.9)	FER1L4 (4.4)	DNAH11 (4.0)
0.79	>=0.20	RASIP1 (4.0)	DOCK6 (3.5)	AMIGO1 (2.9)
0.79	>=0.20	NCAN (3.0)	RP1 (2.5)	GNAT2 (2.4)
0.79	>=0.20	DARS (3.3)	SYPL2 (3.0)	AMPD2 (2.8)
0.79	>=0.20	SMARCA4 (3.8)	MAP3K4 (3.8)	CARM1 (3.6)
0.79	>=0.20	GNAI3 (2.6)	LPIN3 (2.2)	GMIP (2.1)
0.79	>=0.20	GPR61 (2.6)	OBP2B (2.4)	ABO (2.3)
0.79	>=0.20	ENSG00000256731 (2	ENSG00000235545 (2	CETP (2.1)
0.79	>=0.20	GDF5 (3.5)	ENSG00000256731 (2	CILP2 (2.1)
0.79	>=0.20	USP24 (3.2)	POLK (3.2)	PGS1 (2.1)
0.79	>=0.20	SUGP1 (4.6)	IST1 (2.9)	DHX38 (2.7)
0.79	>=0.20	TBKBP1 (2.2)	ENSG00000231204 (2	PLCG1 (1.8)
0.79	>=0.20	TSSK6 (4.5)	PMFBP1 (4.2)	ENSG00000228044 (3
0.79	>=0.20	ATXN1L (2.2)	ABCA6 (2.2)	NCAN (2.0)
0.79	>=0.20	ATXN7L2 (2.6)	ZNF513 (2.6)	IFT172 (2.4)
0.79	>=0.20	ST3GAL4 (2.7)	ENSG00000254235 (2	GPR61 (2.4)
0.79	>=0.20	GNAT2 (4.2)	RP1 (4.1)	GPR61 (3.0)
0.79	>=0.20	GRINA (2.1)	YIPF2 (2.1)	C19orf52 (2.0)
0.79	>=0.20	BCAM (3.0)	ABCA6 (2.2)	LCT (2.1)
0.79	>=0.20	TSSK6 (4.1)	SPATC1 (4.0)	FEN1 (2.6)
0.79	>=0.20	C12orf43 (3.4)	ZNF259 (3.2)	POC5 (2.7)
0.79	>=0.20	ZNF513 (3.5)	BUD13 (2.3)	CARM1 (2.2)
0.79	>=0.20	CYP26A1 (2.3)	LPA (2.1)	PLCG1 (1.9)
0.79	>=0.20	OTX1 (2.4)	CYP26A1 (2.1)	ENSG00000244861 (2
0.79	>=0.20	PSMA5 (2.7)	UBXN4 (2.6)	NFE2L3 (2.2)
0.79	>=0.20	OASL (4.4)	SUMO1 (2.8)	PARP10 (2.2)
0.79	>=0.20	SUMO1 (4.0)	PSMA5 (3.9)	NPEPPS (3.4)
0.8	>=0.20	IST1 (2.9)	NRBP1 (2.9)	PPM1G (2.8)
0.8	>=0.20	TRAM2 (2.8)	ST3GAL4 (2.5)	FUT2 (1.8)
0.8	>=0.20	HAVCR1 (3.2)	SUMO1 (3.0)	IST1 (2.8)
0.8	>=0.20	FUT1 (3.0)	AMIGO1 (2.5)	MAMSTR (2.4)
0.8	>=0.20	NCAN (2.7)	CELSR2 (2.5)	HAPLN4 (2.5)
0.8	>=0.20	ENSG00000236436 (3	ENSG00000231204 (2	ENSG00000226622 (2
0.8	>=0.20	TOP1 (3.5)	MAP3K4 (3.0)	SMARCA4 (2.9)
0.8	>=0.20	DOCK6 (2.9)	GSTM4 (2.8)	RASIP1 (2.8)
0.8	>=0.20	PLCG1 (4.6)	ENSG00000226806 (4	IGF2R (2.5)
0.8	>=0.20	LPL (2.4)	IGF2R (2.1)	MYLIP (2.0)
0.8	>=0.20	C11orf9 (2.3)	EHBP1 (1.8)	HNF1A (1.8)
0.8	>=0.20	ZHX3 (3.8)	TOP1 (3.4)	PLCG1 (2.9)
0.8	>=0.20	SYPL2 (2.3)	ZHX3 (2.1)	TBKBP1 (2.0)
0.8	>=0.20	DOCK6 (2.8)	FGF21 (2.6)	PLEC (2.2)
0.8	>=0.20	HAVCR1 (3.2)	ENSG00000226622 (2	AMIGO1 (2.3)

0.8	>=0.20	PBX4 (2.0)	ENSG00000226648 (2	ENSG00000226645 (2
0.8	>=0.20	OTX1 (3.1)	RP1 (2.3)	CELSR2 (2.2)
0.8	>=0.20	PLCG1 (4.1)	TIMD4 (2.9)	SLC44A2 (2.9)
0.8	>=0.20	ENSG00000231204 (2	OBP2B (2.2)	GPR61 (1.9)
0.8	>=0.20	PARP10 (2.7)	C17orf57 (2.6)	TRIM54 (2.2)
0.8	>=0.20	PARP10 (2.7)	C17orf57 (2.6)	TRIM54 (2.2)
0.8	>=0.20	C11orf9 (2.9)	AMPD2 (2.4)	CELSR2 (2.3)
0.8	>=0.20	SNX17 (3.5)	PPM1G (2.6)	R3HDM1 (2.4)
0.8	>=0.20	EHBP1 (3.6)	TBKBP1 (2.9)	ZNF821 (2.4)
0.8	>=0.20	KRTCAP3 (2.6)	NCAN (2.4)	ENSG00000226645 (2
0.8	>=0.20	RELB (3.3)	TIMD4 (2.5)	GMIP (2.4)
0.8	>=0.20	POLK (3.0)	RELB (2.9)	ABCA6 (2.4)
0.8	>=0.20	KANK2 (3.1)	PLEC (2.9)	PVRL2 (2.8)
0.8	>=0.20	RP1 (6.0)	GNAT2 (4.4)	RASIP1 (2.3)
0.8	>=0.20	SMARCA4 (3.4)	PPM1G (2.6)	SUGP1 (2.5)
0.8	>=0.20	TOP1 (2.8)	SUMO1 (2.8)	GNAT2 (2.7)
0.8	>=0.20	NOP58 (3.1)	DARS (2.6)	SARS (2.3)
0.8	>=0.20	RAB3GAP1 (3.2)	GRINA (3.1)	SNX17 (2.7)
0.8	>=0.20	FEN1 (2.7)	USP1 (2.6)	SMARCA4 (2.5)
0.8	>=0.20	RP1 (5.4)	GNAT2 (4.3)	CYP26A1 (2.3)
0.8	>=0.20	NOP58 (2.2)	ATP13A1 (2.0)	KPNB1 (1.9)
0.8	>=0.20	CEP250 (3.6)	ZRANB3 (3.3)	POC5 (2.5)
0.8	>=0.20	PLCG1 (4.7)	ENSG00000226806 (3	GMIP (2.1)
0.8	>=0.20	IST1 (2.8)	GRINA (2.7)	PVR (2.5)
0.8	>=0.20	SLC22A3 (2.3)	FER1L4 (2.0)	OBP2B (2.0)
0.8	>=0.20	USP24 (3.2)	MAP3K4 (2.9)	DOCK7 (2.0)
0.8	>=0.20	GMIP (2.2)	SLC44A2 (2.1)	PBX4 (1.9)
0.8	>=0.20	AMIGO1 (3.4)	ENSG00000226622 (2	SYPL2 (2.4)
0.8	>=0.20	BMPR2 (2.7)	USP24 (2.7)	RP1 (2.4)
0.8	>=0.20	ABCA6 (2.8)	PBX4 (2.4)	TIMD4 (2.1)
0.8	>=0.20	NOP58 (2.6)	SARS (2.1)	ERGIC3 (2.0)
0.8	>=0.20	FADS2 (2.7)	LPL (2.3)	DNAH11 (2.2)
0.8	>=0.20	FADS2 (2.7)	LPL (2.3)	DNAH11 (2.2)
0.8	>=0.20	PLCG1 (4.2)	ENSG00000226806 (3	ENSG00000236267 (2
0.8	>=0.20	TM6SF2 (3.1)	ABO (2.3)	GPR61 (2.3)
0.8	>=0.20	NPEPPS (2.6)	EHBP1 (2.1)	KRTCAP3 (2.1)
0.8	>=0.20	ENSG00000236436 (2	ENSG00000228044 (2	ENSG00000235545 (2
0.8	>=0.20	ENSG00000228044 (2	ENSG00000226806 (2	PVR (1.8)
0.8	>=0.20	IST1 (3.9)	TOP1 (3.3)	DHODH (2.4)
0.8	>=0.20	ERGIC3 (3.6)	CLPTM1 (2.3)	NCAN (1.9)
0.8	>=0.20	DOCK6 (4.0)	NCAN (3.1)	PLEC (2.6)
0.8	>=0.20	YSK4 (3.5)	NYNRIN (2.4)	GRINA (2.3)
0.8	>=0.20	PSMA5 (3.5)	UBXN4 (3.0)	SNX17 (2.9)
0.8	>=0.20	FEN1 (6.6)	MCM6 (6.5)	USP1 (4.8)
0.8	>=0.20	CILP2 (3.9)	GDF5 (3.7)	MAFB (2.6)
0.8	>=0.20	KANK2 (2.8)	RAB3GAP1 (2.7)	TRIM54 (2.1)
0.8	>=0.20	CYP26A1 (2.9)	ABO (2.8)	KRTCAP3 (1.9)
0.8	>=0.20	GNAI3 (2.7)	SNX17 (2.2)	ENSG00000236267 (1
0.8	>=0.20	YSK4 (3.4)	GRINA (2.3)	ENSG00000228044 (2
0.8	>=0.20	SLC22A3 (1.9)	USP24 (1.9)	TOMM40 (1.8)

0.8	>=0.20	ZNF259 (3.2)	ATP13A1 (2.8)	SARS (2.8)
0.8	>=0.20	ENSG00000236436 (3	PGS1 (2.5)	ST3GAL4 (1.9)
0.8	>=0.20	POLK (2.8)	GMIP (2.6)	CELSR2 (2.4)
0.8	>=0.20	NCAN (4.5)	ENSG00000254235 (2	C11orf9 (2.2)
0.8	>=0.20	TRIB1 (5.9)	SARS (3.4)	PVR (2.8)
0.8	>=0.20	IZUMO1 (2.8)	ENSG00000236436 (2	PGS1 (2.3)
0.8	>=0.20	GNAI3 (3.6)	COL4A3BP (2.6)	GATAD2A (2.5)
0.8	>=0.20	IST1 (3.5)	MAP3K4 (2.7)	DARS (2.1)
0.8	>=0.20	POLK (4.0)	MAP3K4 (3.1)	BMPR2 (2.9)
0.8	>=0.20	GATAD2A (2.8)	GMIP (2.7)	LPAR2 (2.5)
0.8	>=0.20	SARS (7.1)	ZNF259 (3.4)	FGF21 (3.2)
0.8	>=0.20	ENSG00000226648 (3	ENSG00000244861 (2	SPATC1 (2.6)
0.8	>=0.20	USP1 (3.3)	TOP1 (1.8)	OASL (1.8)
0.8	>=0.20	MCM6 (4.8)	NUP93 (3.5)	CEP250 (3.5)
0.8	>=0.20	NPEPPS (2.5)	PLEC (2.2)	GMIP (1.9)
0.8	>=0.20	CARM1 (3.9)	NPEPPS (3.0)	NRBP1 (2.6)
0.8	>=0.20	RAB3GAP1 (3.1)	PLEC (2.6)	IST1 (2.3)
0.8	>=0.20	TM6SF2 (1.9)	TRAM2 (1.8)	PBX4 (1.7)
0.81	>=0.20	PARP10 (3.3)	ATXN1L (2.9)	PVR (2.0)
0.81	>=0.20	TRIM54 (5.4)	SYPL2 (4.1)	NCAN (2.7)
0.81	>=0.20	LPAR2 (3.4)	KRTCAP3 (3.1)	ENSG00000231204 (2
0.81	>=0.20	CLPTM1 (2.6)	IST1 (2.3)	RAB3GAP1 (2.2)
0.81	>=0.20	RELB (8.1)	GMIP (4.1)	RAB3GAP1 (2.0)
0.81	>=0.20	OTX1 (3.4)	IFT172 (2.7)	NYNRIN (2.5)
0.81	>=0.20	CYB561D1 (2.7)	GSTM5 (2.5)	DNAH11 (2.3)
0.81	>=0.20	DOCK7 (3.8)	COL4A3BP (2.9)	ENSG00000254235 (2
0.81	>=0.20	PARP10 (3.7)	OASL (2.8)	PBX4 (2.6)
0.81	>=0.20	GPR61 (3.3)	NCAN (3.0)	EHBP1 (3.0)
0.81	>=0.20	ZNF821 (2.5)	ENSG00000226648 (2	MAU2 (2.0)
0.81	>=0.20	TSSK6 (4.3)	SPATC1 (3.5)	PMFBP1 (2.8)
0.81	>=0.20	CLPTM1 (2.5)	CARM1 (2.3)	IZUMO1 (2.1)
0.81	>=0.20	CYB561D1 (2.7)	POLK (2.3)	IZUMO1 (2.0)
0.81	>=0.20	GNAT2 (3.3)	RP1 (3.0)	GPR61 (2.6)
0.81	>=0.20	GMIP (4.0)	SMARCA4 (2.5)	MAFB (2.1)
0.81	>=0.20	PSMA5 (4.0)	UBXN4 (3.1)	SNX17 (2.6)
0.81	>=0.20	TSSK6 (5.3)	SPATC1 (4.4)	IZUMO1 (4.0)
0.81	>=0.20	PSMA5 (3.7)	NFE2L3 (2.6)	UBXN4 (2.4)
0.81	>=0.20	ENSG00000235545 (2	MYLIP (2.3)	KANK2 (2.2)
0.81	>=0.20	ABCA5 (2.1)	NFE2L3 (2.0)	PBX4 (1.9)
0.81	>=0.20	ENSG00000236436 (2	HAVCR1 (2.7)	SLC22A2 (2.7)
0.81	>=0.20	IST1 (3.8)	ENSG00000226645 (3	ENSG00000226622 (3
0.81	>=0.20	ENSG00000235545 (2	PBX4 (2.0)	ENSG00000236436 (2
0.81	>=0.20	ABCG8 (2.2)	MAMSTR (2.2)	EHBP1 (2.0)
0.81	>=0.20	SUGP1 (4.1)	TOMM40 (3.2)	ZNF259 (3.0)
0.81	>=0.20	SUGP1 (4.1)	TOMM40 (3.2)	ZNF259 (3.0)
0.81	>=0.20	BUD13 (3.2)	SUGP1 (2.6)	TOP1 (2.4)
0.81	>=0.20	MAU2 (3.4)	RAB3GAP1 (2.7)	UBXN4 (2.7)
0.81	>=0.20	C12orf43 (4.1)	POC5 (2.8)	SUGP1 (2.5)
0.81	>=0.20	MCM6 (5.3)	FEN1 (5.0)	USP1 (4.1)
0.81	>=0.20	SARS (3.2)	TXNL4B (3.0)	C12orf43 (2.5)

0.81	>=0.20	PBX4 (2.7)	TIMD4 (2.6)	ENSG00000226645 (2
0.81	>=0.20	FUT2 (4.9)	ABCA5 (2.8)	LCT (2.2)
0.81	>=0.20	PVR (4.2)	TRIB1 (4.1)	RELB (3.0)
0.81	>=0.20	PSMA5 (4.0)	UBXN4 (2.8)	POC5 (2.5)
0.81	>=0.20	FEN1 (3.6)	MCM6 (3.1)	ZRANB3 (3.0)
0.81	>=0.20	C12orf43 (3.1)	ZNF259 (2.6)	MAP3K4 (2.3)
0.81	>=0.20	TRIB1 (3.7)	RAB3GAP1 (2.9)	ABCA6 (2.1)
0.81	>=0.20	HAVCR1 (3.1)	SLC22A2 (3.0)	AMIGO1 (2.5)
0.81	>=0.20	OTX1 (3.0)	ENSG00000236436 (2	SUMO1 (2.2)
0.81	>=0.20	AMIGO1 (2.8)	GOT2P1 (2.3)	SLC22A3 (2.1)
0.81	>=0.20	MCM6 (5.8)	USP1 (5.7)	FEN1 (5.2)
0.81	>=0.20	C17orf57 (2.9)	OBP2B (2.6)	ENSG00000235545 (2
0.81	>=0.20	DOCK6 (2.6)	USP24 (2.3)	GMIP (2.3)
0.81	>=0.20	HMGCR (5.6)	LDLR (5.1)	FADS1 (4.6)
0.81	>=0.20	C19orf52 (2.2)	BMPR2 (1.7)	OBP2B (1.6)
0.81	>=0.20	PSRC1 (6.8)	POC5 (3.0)	FEN1 (2.4)
0.81	>=0.20	SUGP1 (2.6)	PPM1G (2.6)	ATP13A1 (2.4)
0.81	>=0.20	ST3GAL4 (3.2)	GNAI3 (2.7)	GATAD2A (2.4)
0.81	>=0.20	GNAT2 (4.8)	RP1 (4.6)	SNX17 (2.4)
0.81	>=0.20	SARS (2.6)	NOP58 (2.2)	ATP13A1 (2.0)
0.81	>=0.20	PBX4 (3.6)	ENSG00000231204 (2	ENSG00000236267 (2
0.81	>=0.20	NUP93 (3.2)	DHX38 (3.2)	IST1 (3.1)
0.81	>=0.20	ABO (3.1)	C17orf57 (2.7)	LCT (2.5)
0.81	>=0.20	C19orf52 (3.0)	USP24 (2.1)	SORT1 (2.0)
0.81	>=0.20	RELB (5.7)	ZNF259 (3.2)	C12orf43 (2.8)
0.81	>=0.20	RELB (4.9)	PLEC (2.9)	RAB3GAP1 (2.8)
0.81	>=0.20	ENSG00000236267 (2	PBX4 (2.2)	HNF1A (2.1)
0.81	>=0.20	KRTCAP3 (2.8)	USP24 (2.8)	OASL (2.5)
0.81	>=0.20	KPNB1 (2.9)	COL4A3BP (2.5)	NRBP1 (2.2)
0.81	>=0.20	PVRL2 (3.1)	IFT172 (2.3)	AMPD2 (2.0)
0.81	>=0.20	HAVCR1 (4.5)	SLC22A2 (2.6)	ZNF821 (2.5)
0.81	>=0.20	GDF5 (1.9)	CYB561D1 (1.8)	POLK (1.8)
0.81	>=0.20	NOP58 (2.3)	SUMO1 (1.8)	ERGIC3 (1.7)
0.81	>=0.20	MCM6 (6.1)	FEN1 (5.8)	USP1 (4.2)
0.81	>=0.20	MYLIP (3.5)	SLC22A3 (2.6)	PGS1 (2.4)
0.81	>=0.20	GMIP (2.6)	NCAN (2.1)	COL4A3BP (2.0)
0.81	>=0.20	PSRC1 (5.3)	FEN1 (4.5)	USP1 (3.8)
0.81	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	USP1 (4.2)
0.81	>=0.20	PSMA5 (3.6)	POC5 (2.7)	UBXN4 (2.4)
0.81	>=0.20	MCM6 (7.2)	FEN1 (6.5)	USP1 (4.7)
0.81	>=0.20	GNAI3 (2.5)	RASIP1 (2.0)	FNDC4 (1.8)
0.81	>=0.20	NYNRIN (2.6)	KANK2 (2.3)	PVRL2 (2.3)
0.81	>=0.20	ERGIC3 (4.6)	HNF1A (3.2)	UBXN4 (2.5)
0.81	>=0.20	CELSR2 (2.7)	NCAN (2.7)	BCAM (2.4)
0.81	>=0.20	NCAN (3.8)	CELSR2 (2.9)	BCAM (2.1)
0.81	>=0.20	GPR61 (2.1)	TRIB1 (1.7)	LPAL2 (1.7)
0.81	>=0.20	PLCG1 (3.2)	PBX4 (2.7)	ENSG00000226806 (2
0.81	>=0.20	ENSG00000256731 (2	GDF5 (2.2)	ENSG00000235545 (2
0.81	>=0.20	NPEPPS (2.3)	MAU2 (2.2)	LPAL2 (1.9)
0.82	>=0.20	ENSG00000226806 (5	PLCG1 (5.4)	IGF2R (3.1)

0.82	>=0.20	TXNL4B (3.1)	POLK (2.6)	ATXN1L (2.4)
0.82	>=0.20	ABCA5 (3.0)	ENSG00000226645 (2	ENSG00000244861 (2
0.82	>=0.20	RP1 (6.6)	GNAT2 (6.1)	ENSG00000226648 (2
0.82	>=0.20	ZNF821 (2.4)	MAP3K4 (2.2)	SMARCA4 (2.2)
0.82	>=0.20	CEP250 (2.4)	C17orf57 (2.1)	ENSG00000244861 (2
0.82	>=0.20	PLEC (3.5)	KANK2 (3.1)	SMARCA4 (2.4)
0.82	>=0.20	RASIP1 (3.6)	RP1 (2.9)	EHBP1 (2.8)
0.82	>=0.20	EHBP1 (2.7)	PGS1 (2.0)	FGF21 (2.0)
0.82	>=0.20	OASL (6.3)	PARP10 (6.0)	CYB561D1 (2.9)
0.82	>=0.20	GDF5 (2.7)	FER1L4 (2.3)	LPL (2.3)
0.82	>=0.20	ZNF821 (3.0)	ENSG00000182329 (2	TRAM2 (2.1)
0.82	>=0.20	ENSG00000236436 (2	ENSG00000256731 (2	ENSG00000226622 (2
0.82	>=0.20	GSTM4 (2.2)	ABO (2.2)	C19orf52 (2.1)
0.82	>=0.20	CYP26A1 (2.8)	CILP2 (2.3)	MYLIP (2.2)
0.82	>=0.20	CYP26A1 (4.2)	CILP2 (2.5)	FUT2 (2.3)
0.82	>=0.20	NFE2L3 (3.3)	RASIP1 (2.1)	ENSG00000244861 (2
0.82	>=0.20	TBKBP1 (2.1)	ZHX3 (1.9)	USP24 (1.8)
0.82	>=0.20	PCSK9 (2.8)	HMGCR (2.7)	FADS2 (2.5)
0.82	>=0.20	HNF1A (2.7)	C17orf57 (2.6)	HAVCR1 (2.0)
0.82	>=0.20	TRIM54 (5.4)	LPL (2.7)	SYPL2 (1.8)
0.82	>=0.20	TRIB1 (2.9)	PVR (2.2)	TIMD4 (2.1)
0.82	>=0.20	YSK4 (3.9)	DNAH11 (3.0)	ENSG00000182329 (2
0.82	>=0.20	NPEPPS (2.9)	CETP (2.3)	KPNB1 (2.2)
0.82	>=0.20	ZNF513 (4.0)	ENSG00000226645 (2	PARP10 (2.3)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	FEN1 (2.7)	SMARCA4 (2.6)	USP1 (2.6)
0.82	>=0.20	ABCA1 (2.0)	RELB (1.7)	CEP250 (1.6)
0.82	>=0.20	FUT2 (5.8)	IZUMO1 (4.2)	ENSG00000236436 (3
0.82	>=0.20	PSRC1 (5.5)	FEN1 (4.6)	ZRANB3 (3.9)
0.82	>=0.20	NRBP1 (3.5)	COL4A3BP (3.4)	GNAI3 (2.8)
0.82	>=0.20	GMIP (2.9)	AMPD2 (2.7)	FUT1 (2.3)
0.82	>=0.20	MCM6 (4.9)	FEN1 (4.8)	USP1 (4.0)
0.82	>=0.20	NRBP1 (3.1)	UBXN4 (2.8)	C19orf52 (2.6)
0.82	>=0.20	ENSG00000226648 (2	SLC22A3 (2.3)	ABCA6 (2.3)
0.82	>=0.20	ENSG00000236436 (3	HAVCR1 (3.6)	SLC22A2 (3.1)
0.82	>=0.20	YIPF2 (3.8)	ERGIC3 (3.3)	UBXN4 (3.2)
0.82	>=0.20	MCM6 (5.0)	FEN1 (5.0)	USP1 (3.7)
0.82	>=0.20	TRIM54 (5.7)	SYPL2 (4.5)	PLEC (2.8)
0.82	>=0.20	SUGP1 (3.1)	CEP250 (3.1)	POC5 (2.9)
0.82	>=0.20	ZNF513 (3.8)	ENSG00000228044 (2	ENSG00000226645 (2
0.82	>=0.20	CYB561D1 (2.3)	FGF21 (1.9)	MAFB (1.9)
0.82	>=0.20	CBLC (2.7)	FUT1 (2.6)	CELSR2 (2.4)
0.82	>=0.20	HAVCR1 (3.2)	ENSG00000244861 (2	ENSG00000226622 (2

0.82	>=0.20	GSTM4 (3.0)	LPIN3 (2.1)	SLC22A2 (2.0)
0.82	>=0.20	OBP2B (3.0)	GPR61 (2.8)	SYPL2 (2.4)
0.82	>=0.20	SUGP1 (3.2)	SARS (3.1)	SLC44A2 (2.0)
0.82	>=0.20	ERGIC3 (2.0)	TRIM54 (1.6)	SPATC1 (1.4)
0.82	>=0.20	PSRC1 (4.2)	ENSG00000231204 (2	OBP2B (1.9)
0.82	>=0.20	GMIP (3.3)	SLC44A2 (3.2)	PLCG1 (3.2)
0.82	>=0.20	C12orf43 (3.7)	TXNL4B (3.1)	ZNF259 (3.0)
0.82	>=0.20	RP1 (5.8)	GNAT2 (4.1)	NCAN (2.0)
0.82	>=0.20	TRIM54 (7.9)	SYPL2 (6.1)	KANK2 (2.7)
0.82	>=0.20	HAPLN4 (3.0)	RP1 (2.7)	GNAT2 (2.4)
0.82	>=0.20	ENSG00000244861 (2	PVRL2 (2.3)	TRAM2 (2.0)
0.82	>=0.20	PSRC1 (5.6)	FEN1 (4.6)	MCM6 (3.8)
0.82	>=0.20	FUT2 (3.0)	ZNF821 (2.2)	CYP26A1 (1.9)
0.82	>=0.20	SUGP1 (3.5)	DHX38 (2.5)	BUD13 (2.3)
0.82	>=0.20	GATAD2A (2.4)	ATXN1L (2.4)	ENSG00000244861 (2
0.82	>=0.20	ABCA6 (2.4)	PBX4 (2.3)	PLCG1 (2.2)
0.82	>=0.20	PBX4 (2.8)	TIMD4 (2.5)	ENSG00000226645 (2
0.82	>=0.20	FADS2 (2.8)	LPL (2.2)	ABCA5 (1.9)
0.82	>=0.20	ERGIC3 (3.0)	ENSG00000226806 (2	CLPTM1 (2.2)
0.82	>=0.20	MAMSTR (2.0)	KANK2 (1.9)	FUT1 (1.8)
0.82	>=0.20	GPR61 (2.0)	RASIP1 (1.7)	LPAL2 (1.7)
0.82	>=0.20	NOP58 (2.8)	AMPD2 (1.8)	SUMO1 (1.7)
0.82	>=0.20	ZNF821 (3.7)	SMARCA4 (2.9)	PLCG1 (2.9)
0.82	>=0.20	ZHX3 (2.7)	NRBP1 (2.4)	C19orf80 (2.2)
0.82	>=0.20	ZHX3 (2.7)	NRBP1 (2.4)	C19orf80 (2.2)
0.82	>=0.20	CYB561D1 (3.0)	SPATC1 (2.2)	ENSG00000235545 (2
0.82	>=0.20	ZNF259 (3.8)	NOP58 (3.8)	C12orf43 (3.5)
0.82	>=0.20	PSRC1 (6.0)	FEN1 (4.2)	MCM6 (3.7)
0.82	>=0.20	MCM6 (3.7)	ZRANB3 (3.5)	POC5 (3.4)
0.82	>=0.20	ENSG00000226648 (3	FUT1 (3.2)	C17orf57 (2.3)
0.82	>=0.20	ST3GAL4 (3.3)	FUT2 (2.5)	ABO (1.9)
0.83	>=0.20	ATXN7L2 (3.9)	MAP3K4 (3.2)	BUD13 (2.7)
0.83	>=0.20	MAMSTR (2.3)	NYNRIN (2.2)	CYP26A1 (2.1)
0.83	>=0.20	RAB3GAP1 (3.7)	SNX17 (3.2)	CLPTM1 (3.1)
0.83	>=0.20	OTX1 (4.7)	NCAN (4.1)	CELSR2 (2.6)
0.83	>=0.20	NPEPPS (2.8)	IST1 (2.1)	NUP93 (2.1)
0.83	>=0.20	OBP2B (2.6)	HAVCR1 (2.2)	YSK4 (1.9)
0.83	>=0.20	OBP2B (2.7)	ENSG00000226622 (2	AMIGO1 (2.3)
0.83	>=0.20	CYP26A1 (3.3)	CELSR2 (3.3)	BCAM (2.4)
0.83	>=0.20	TIMD4 (2.6)	PBX4 (2.6)	ENSG00000226645 (2
0.83	>=0.20	UBXN4 (2.7)	C12orf43 (2.4)	SUGP1 (2.2)
0.83	>=0.20	ENSG00000231204 (3	AMIGO1 (2.5)	ABO (2.4)
0.83	>=0.20	EHBP1 (2.8)	ZHX3 (2.7)	TRAM2 (2.4)
0.83	>=0.20	EHBP1 (2.8)	ZHX3 (2.7)	TRAM2 (2.4)
0.83	>=0.20	DNAH11 (2.6)	ENSG00000244861 (2	SPATC1 (2.6)
0.83	>=0.20	SNX17 (2.1)	PSMA5 (2.1)	MAU2 (2.0)
0.83	>=0.20	GOT2P1 (2.6)	ENSG00000182329 (2	IST1 (1.6)
0.83	>=0.20	TOP1 (2.6)	GNAI3 (2.4)	PLCG1 (2.3)
0.83	>=0.20	HNF1A (3.2)	KRTCAP3 (2.9)	APOA4 (2.8)
0.83	>=0.20	RASIP1 (2.7)	PLCG1 (2.7)	DOCK6 (2.7)

0.83	>=0.20	ABCG8 (2.2)	LPIN3 (2.2)	NCAN (2.0)
0.83	>=0.20	ATP13A1 (3.2)	CLPTM1 (2.3)	SLC44A2 (2.3)
0.83	>=0.20	ZRANB3 (3.5)	POLK (3.2)	CEP250 (2.7)
0.83	>=0.20	AMIGO1 (2.4)	FNDC4 (2.2)	TSSK6 (2.1)
0.83	>=0.20	NOP58 (3.4)	TOMM40 (3.2)	ZNF259 (2.7)
0.83	>=0.20	GMIP (2.8)	BUD13 (2.6)	DOCK6 (2.6)
0.83	>=0.20	GPR61 (2.7)	RP1 (2.5)	FADS2 (2.3)
0.83	>=0.20	TRIM54 (8.8)	SYPL2 (5.1)	IZUMO1 (1.4)
0.83	>=0.20	HNF4A (2.6)	GNAI3 (1.8)	HAVCR1 (1.8)
0.83	>=0.20	C11orf9 (3.2)	HAPLN4 (2.6)	RASIP1 (2.3)
0.83	>=0.20	ENSG00000235545 (3	ENSG00000236436 (2	ENSG00000228044 (2
0.83	>=0.20	COL4A3BP (2.5)	SPATC1 (2.2)	ANGPTL3 (2.0)
0.83	>=0.20	MCM6 (6.0)	FEN1 (5.6)	USP1 (5.1)
0.83	>=0.20	IZUMO1 (2.2)	KRTCAP3 (2.0)	GSTM4 (2.0)
0.83	>=0.20	PBX4 (2.7)	TIMD4 (2.4)	CETP (2.1)
0.83	>=0.20	ZHX3 (4.1)	BMPR2 (2.3)	GDF5 (2.2)
0.83	>=0.20	SYPL2 (5.6)	MAMSTR (5.5)	TRIM54 (4.0)
0.83	>=0.20	TRIM54 (5.6)	LPL (2.7)	SYPL2 (2.3)
0.83	>=0.20	POLK (2.9)	MYLIP (2.6)	ZNF821 (2.1)
0.83	>=0.20	HNF1A (2.5)	SUMO1 (2.5)	POLK (1.9)
0.83	>=0.20	SMARCA4 (3.0)	DHX38 (2.4)	TOMM40 (2.2)
0.83	>=0.20	PSMA5 (4.0)	UBXN4 (3.0)	SNX17 (2.6)
0.83	>=0.20	GRINA (2.6)	BCAM (2.1)	SYPL2 (1.7)
0.83	>=0.20	KPNB1 (4.2)	RAB3GAP1 (3.6)	SMARCA4 (2.7)
0.83	>=0.20	SLC44A2 (2.4)	ATXN7L2 (2.1)	SORT1 (1.8)
0.83	>=0.20	SLC44A2 (2.4)	ATXN7L2 (2.1)	SORT1 (1.8)
0.83	>=0.20	GDF5 (3.0)	NYNRIN (2.4)	DNAH11 (2.4)
0.83	>=0.20	GDF5 (3.0)	NYNRIN (2.4)	DNAH11 (2.4)
0.83	>=0.20	C11orf9 (2.7)	PVRL2 (2.5)	PVR (2.3)
0.83	>=0.20	PSRC1 (3.5)	POC5 (3.2)	LPIN3 (2.5)
0.83	>=0.20	SMARCA4 (2.7)	BUD13 (2.4)	NOP58 (2.4)
0.83	>=0.20	SMARCA4 (2.7)	BUD13 (2.4)	NOP58 (2.4)
0.83	>=0.20	ZHX3 (2.6)	C19orf80 (2.3)	C11orf9 (2.3)
0.83	>=0.20	HAVCR1 (3.6)	SMARCA4 (3.2)	GDF5 (2.3)
0.83	>=0.20	GPR61 (2.6)	PBX4 (2.3)	NFE2L3 (2.3)
0.83	>=0.20	TBKBP1 (3.2)	ABO (2.7)	NCAN (2.2)
0.83	>=0.20	RASIP1 (2.6)	YIPF2 (2.4)	CELSR2 (2.3)
0.83	>=0.20	PARP10 (2.6)	C17orf57 (2.4)	ATXN1L (2.2)
0.83	>=0.20	CYP26A1 (3.1)	LPAR2 (2.0)	TRAM2 (1.9)
0.83	>=0.20	ATXN7L2 (2.3)	ABO (2.2)	LDLR (1.8)
0.83	>=0.20	SLC22A2 (2.4)	MYLIP (2.1)	ZNF821 (1.8)
0.83	>=0.20	ENSG00000226645 (2	ENSG00000244861 (2	ENSG00000236267 (2
0.83	>=0.20	C12orf43 (3.8)	RAB3GAP1 (3.6)	NRBP1 (2.9)
0.83	>=0.20	HAPLN4 (4.4)	CELSR2 (2.5)	APOE (2.4)
0.83	>=0.20	MAMSTR (2.5)	PLEC (2.2)	PVR (2.0)
0.83	>=0.20	PSRC1 (6.0)	FEN1 (4.2)	POC5 (4.1)
0.83	>=0.20	PSRC1 (4.9)	FEN1 (3.4)	MCM6 (2.8)
0.83	>=0.20	HP (1.9)	LCT (1.7)	ERGIC3 (1.5)
0.83	>=0.20	USP1 (3.0)	FEN1 (3.0)	UBXN4 (2.8)
0.83	>=0.20	USP24 (3.5)	SUMO1 (3.4)	NPEPPS (2.9)

0.83	>=0.20	ABO (3.1)	CELSR2 (2.7)	LIPG (2.4)
0.83	>=0.20	OBP2B (3.5)	DNAH11 (3.5)	ENSG00000235545 (2
0.83	>=0.20	PLCG1 (4.6)	ENSG00000226806 (4	RELB (2.6)
0.83	>=0.20	UBXN4 (2.7)	DARS (2.2)	ENSG00000244861 (2
0.83	>=0.20	ENSG00000226806 (4	LCT (2.9)	RELB (2.8)
0.83	>=0.20	DARS (3.7)	POC5 (3.6)	POLK (3.0)
0.83	>=0.20	SLC44A2 (3.0)	CILP2 (2.8)	BMPR2 (2.5)
0.83	>=0.20	IFT172 (2.8)	OBP2B (2.3)	GRINA (2.2)
0.83	>=0.20	ZHX3 (2.9)	R3HDM1 (2.6)	RAB3GAP1 (2.2)
0.83	>=0.20	ENSG00000182329 (2	ENSG00000231204 (2	ENSG00000256731 (2
0.83	>=0.20	ATXN7L2 (2.5)	ZNF821 (2.4)	ENSG00000254235 (2
0.83	>=0.20	PSRC1 (2.8)	SPATC1 (2.8)	FNDC4 (2.0)
0.83	>=0.20	TXNL4B (2.4)	POC5 (2.3)	C19orf52 (2.3)
0.83	>=0.20	FER1L4 (2.1)	CYP26A1 (2.1)	CILP2 (2.0)
0.83	>=0.20	ENSG00000226806 (2	YIPF2 (2.4)	ENSG00000228044 (2
0.83	>=0.20	ENSG00000226806 (2	YIPF2 (2.4)	ENSG00000228044 (2
0.83	>=0.20	TOP1 (4.3)	BUD13 (3.9)	UBXN4 (3.3)
0.83	>=0.20	PLCG1 (2.9)	C17orf57 (2.4)	NFE2L3 (2.2)
0.83	>=0.20	ERGIC3 (4.3)	SARS (2.8)	ATP13A1 (2.8)
0.83	>=0.20	NYNRIN (3.9)	C11orf9 (2.6)	CYP26A1 (2.3)
0.83	>=0.20	NRBP1 (3.1)	TBKBP1 (2.3)	GRINA (2.3)
0.83	>=0.20	CILP2 (3.7)	GDF5 (2.9)	FNDC4 (2.2)
0.83	>=0.20	SYPL2 (6.7)	TRIM54 (4.5)	TRIB1 (2.8)
0.83	>=0.20	SMARCA4 (3.1)	ZNF821 (2.6)	CARM1 (2.6)
0.83	>=0.20	HAPLN4 (5.7)	AMIGO1 (2.2)	R3HDM1 (1.7)
0.83	>=0.20	SMARCA4 (2.8)	BUD13 (2.3)	ZNF821 (2.2)
0.83	>=0.20	YIPF2 (3.9)	IST1 (3.7)	NRBP1 (3.4)
0.83	>=0.20	ZRANB3 (4.3)	USP1 (3.2)	CEP250 (2.8)
0.84	>=0.20	GPR61 (2.9)	OBP2B (2.8)	SYPL2 (2.8)
0.84	>=0.20	C11orf9 (3.0)	PVRL2 (2.2)	DARS (2.1)
0.84	>=0.20	TRIM54 (7.9)	SYPL2 (4.1)	PLEC (1.6)
0.84	>=0.20	CYB561D1 (3.1)	PMFBP1 (2.9)	HNF1A (2.8)
0.84	>=0.20	CYB561D1 (3.1)	PMFBP1 (2.9)	HNF1A (2.8)
0.84	>=0.20	ENSG00000226806 (7	PLCG1 (5.4)	IGF2R (2.9)
0.84	>=0.20	CELSR2 (2.6)	TBKBP1 (2.6)	FNDC4 (2.1)
0.84	>=0.20	POC5 (3.0)	MCM6 (2.9)	FEN1 (2.8)
0.84	>=0.20	C12orf43 (2.5)	BUD13 (2.2)	GOT2P1 (2.0)
0.84	>=0.20	ENSG00000182329 (3	ENSG00000235545 (2	GOT2P1 (2.7)
0.84	>=0.20	R3HDM1 (2.6)	ENSG00000231204 (2	HNF1A (2.3)
0.84	>=0.20	R3HDM1 (2.6)	ENSG00000231204 (2	HNF1A (2.3)
0.84	>=0.20	SUMO1 (4.5)	FUT1 (3.1)	TOP1 (2.6)
0.84	>=0.20	ZNF259 (3.7)	PSMA5 (2.1)	EHBP1 (2.0)
0.84	>=0.20	C19orf52 (3.6)	SLC22A3 (2.6)	TBKBP1 (2.3)
0.84	>=0.20	SARS (5.6)	FUT1 (2.6)	SUGP1 (2.1)
0.84	>=0.20	C12orf43 (2.8)	BUD13 (2.6)	SUGP1 (2.6)
0.84	>=0.20	DOCK7 (3.3)	HAVCR1 (2.9)	ENSG00000235545 (2
0.84	>=0.20	SPATC1 (3.2)	TSSK6 (2.5)	IZUMO1 (2.4)
0.84	>=0.20	PBX4 (3.0)	PGS1 (2.7)	ENSG00000235545 (2
0.84	>=0.20	TRIM54 (3.4)	SYPL2 (2.8)	HNF1A (2.5)
0.84	>=0.20	OASL (4.4)	PARP10 (4.2)	ENSG00000235545 (2

0.84	>=0.20	MCM6 (4.9)	FEN1 (4.6)	ZRANB3 (3.7)
0.84	>=0.20	ZNF259 (3.9)	NOP58 (3.9)	C12orf43 (3.5)
0.84	>=0.20	MAFB (2.7)	TIMD4 (2.1)	TRIB1 (1.9)
0.84	>=0.20	R3HDM1 (2.7)	ENSG00000231204 (2	ABO (2.3)
0.84	>=0.20	TXNL4B (3.4)	SARS (2.4)	POLK (2.3)
0.84	>=0.20	TRIM54 (8.1)	SYPL2 (4.3)	APOE (1.6)
0.84	>=0.20	TRIB1 (3.7)	BUD13 (2.5)	CELSR2 (2.1)
0.84	>=0.20	FUT2 (3.7)	COL4A3BP (2.8)	SYPL2 (2.6)
0.84	>=0.20	NPEPPS (2.8)	PGS1 (2.4)	TXNL4B (2.0)
0.84	>=0.20	NPEPPS (2.9)	NCAN (2.4)	HAPLN4 (2.3)
0.84	>=0.20	MCM6 (4.4)	ZRANB3 (4.1)	FEN1 (4.0)
0.84	>=0.20	ENSG00000226645 (3	RAB3GAP1 (3.0)	SPATC1 (2.8)
0.84	>=0.20	TRIM54 (9.6)	SYPL2 (7.3)	MAMSTR (1.4)
0.84	>=0.20	SMARCA4 (2.7)	BUD13 (2.5)	ZNF259 (2.4)
0.84	>=0.20	KPNB1 (3.3)	USP1 (3.2)	ENSG00000226648 (2
0.84	>=0.20	DHODH (3.8)	C12orf43 (3.1)	C19orf52 (2.7)
0.84	>=0.20	USP24 (2.6)	SORT1 (2.4)	DOCK6 (2.4)
0.84	>=0.20	YIPF2 (3.4)	ERGIC3 (2.6)	ATP13A1 (2.6)
0.84	>=0.20	TBKBP1 (2.4)	ENSG00000228044 (2	IZUMO1 (2.2)
0.84	>=0.20	TSSK6 (5.4)	SPATC1 (3.9)	PMFBP1 (3.6)
0.84	>=0.20	TSSK6 (5.4)	SPATC1 (3.9)	PMFBP1 (3.6)
0.84	>=0.20	PPM1G (2.6)	ZNF821 (2.3)	NUP93 (2.2)
0.84	>=0.20	SUMO1 (2.2)	NOP58 (2.2)	SARS (1.9)
0.84	>=0.20	MAFB (2.4)	ENSG00000228044 (2	AMIGO1 (1.5)
0.84	>=0.20	DNAH11 (2.9)	PBX4 (2.6)	TBKBP1 (2.1)
0.84	>=0.20	ZRANB3 (5.0)	MCM6 (3.8)	FEN1 (3.5)
0.84	>=0.20	NCAN (3.8)	FER1L4 (2.8)	ENSG00000182329 (2
0.84	>=0.20	MAU2 (3.1)	DOCK7 (2.8)	SMARCA4 (2.4)
0.84	>=0.20	ENSG00000226622 (2	POLK (2.2)	MAFB (2.0)
0.84	>=0.20	ENSG00000226622 (2	POLK (2.2)	MAFB (2.0)
0.84	>=0.20	ABO (3.9)	GSTM5 (3.0)	OBP2B (2.7)
0.84	>=0.20	ENSG00000182329 (2	AMIGO1 (2.4)	PARP10 (1.6)
0.84	>=0.20	PARP10 (2.8)	MAP3K4 (2.8)	MAU2 (2.6)
0.84	>=0.20	ENSG00000231204 (2	C19orf52 (2.3)	USP1 (2.2)
0.84	>=0.20	DHODH (4.1)	POC5 (3.3)	NUP93 (3.0)
0.84	>=0.20	ENSG00000256731 (3	NYNRIN (2.3)	HNF1A (2.1)
0.84	>=0.20	CEP250 (3.7)	ZRANB3 (3.4)	POC5 (2.7)
0.84	>=0.20	AMPD2 (2.4)	GMIP (2.3)	USP24 (2.3)
0.84	>=0.20	MCM6 (4.9)	ZRANB3 (4.9)	FEN1 (4.8)
0.84	>=0.20	MCM6 (4.9)	ZRANB3 (4.9)	FEN1 (4.8)
0.84	>=0.20	PSRC1 (5.7)	FEN1 (4.3)	POC5 (4.0)
0.84	>=0.20	HAVCR1 (3.8)	CYB561D1 (3.0)	OBP2B (2.7)
0.84	>=0.20	C12orf43 (3.3)	ZNF259 (2.9)	DHX38 (2.6)
0.84	>=0.20	HNF1A (3.1)	HAVCR1 (3.0)	ZNF821 (2.4)
0.84	>=0.20	SLC22A2 (5.9)	SPATC1 (3.6)	HAVCR1 (2.2)
0.84	>=0.20	R3HDM1 (3.8)	NPEPPS (2.5)	GPR61 (2.3)
0.84	>=0.20	ENSG00000231204 (4	ABO (3.5)	GPR61 (2.7)
0.84	>=0.20	NOP58 (2.2)	ATP13A1 (2.0)	SUMO1 (1.9)
0.84	>=0.20	FNDC4 (3.2)	ABO (2.2)	CELSR2 (1.9)
0.84	>=0.20	ENSG00000182329 (2	ABCA1 (2.3)	MAP3K4 (2.3)

0.84	>=0.20	SUMO1 (3.5)	GNAI3 (2.6)	PSMA5 (2.5)
0.84	>=0.20	ENSG00000226806 (2	GDF5 (2.7)	DOCK7 (2.6)
0.84	>=0.20	PSRC1 (4.0)	POC5 (3.7)	CEP250 (3.6)
0.84	>=0.20	ATXN7L2 (3.0)	MAP3K4 (2.5)	IFT172 (2.5)
0.84	>=0.20	ATXN7L2 (3.0)	MAP3K4 (2.5)	IFT172 (2.5)
0.84	>=0.20	FEN1 (6.5)	MCM6 (6.3)	USP1 (4.9)
0.84	>=0.20	PARP10 (2.4)	IZUMO1 (2.4)	LPAL2 (2.3)
0.84	>=0.20	DHODH (3.5)	TOMM40 (3.1)	DARS (2.3)
0.84	>=0.20	IFT172 (2.1)	GDF5 (2.0)	ERGIC3 (2.0)
0.84	>=0.20	TRIM54 (4.0)	SYPL2 (2.5)	KANK2 (2.4)
0.84	>=0.20	LCT (3.8)	OASL (3.3)	PARP10 (2.3)
0.84	>=0.20	PSRC1 (5.9)	FEN1 (4.1)	POC5 (4.0)
0.84	>=0.20	CELSR2 (1.4)	PMFBP1 (1.4)	ENSG00000228044 (0
0.84	>=0.20	RELB (6.2)	NPEPPS (3.4)	ENSG00000244861 (2
0.84	>=0.20	NCAN (3.5)	CELSR2 (2.8)	MAU2 (2.5)
0.84	>=0.20	PLCG1 (3.5)	RELB (2.9)	PBX4 (2.4)
0.84	>=0.20	SPATC1 (1.8)	GDF5 (1.8)	CILP2 (1.7)
0.84	>=0.20	SYPL2 (2.8)	ENSG00000236436 (2	MAMSTR (2.0)
0.84	>=0.20	NCAN (2.7)	CELSR2 (2.5)	ZNF821 (2.0)
0.84	>=0.20	LPL (6.6)	GPAM (3.7)	SORT1 (3.5)
0.84	>=0.20	RP1 (5.6)	GNAT2 (2.4)	AMIGO1 (2.3)
0.84	>=0.20	APOA4 (3.9)	GNAT2 (3.8)	TM6SF2 (3.3)
0.84	>=0.20	PBX4 (3.7)	PLCG1 (2.2)	ABCA6 (2.0)
0.84	>=0.20	TRIM54 (7.2)	SYPL2 (3.4)	BCAM (1.7)
0.84	>=0.20	TRIM54 (5.1)	MAMSTR (3.8)	SYPL2 (3.6)
0.85	>=0.20	FEN1 (5.0)	MCM6 (4.8)	USP1 (3.8)
0.85	>=0.20	ENSG00000228044 (2	TBKBP1 (2.2)	ZNF513 (2.2)
0.85	>=0.20	C11orf9 (3.1)	HAPLN4 (2.6)	AMPD2 (2.2)
0.85	>=0.20	GNAT2 (4.4)	RP1 (4.2)	SNX17 (2.0)
0.85	>=0.20	ENSG00000236436 (3	ENSG00000254235 (2	C19orf52 (2.5)
0.85	>=0.20	HAVCR1 (3.8)	CYB561D1 (2.9)	OBP2B (2.5)
0.85	>=0.20	GSTM5 (2.2)	LPL (2.1)	APOE (2.1)
0.85	>=0.20	MAFB (3.7)	TRIB1 (3.5)	BUD13 (1.9)
0.85	>=0.20	ENSG00000231204 (2	PMFBP1 (2.1)	OBP2B (1.8)
0.85	>=0.20	SMARCA4 (2.6)	BUD13 (2.5)	PPM1G (2.0)
0.85	>=0.20	SMARCA4 (2.6)	BUD13 (2.5)	PPM1G (2.0)
0.85	>=0.20	SMARCA4 (2.6)	BUD13 (2.5)	PPM1G (2.0)
0.85	>=0.20	SMARCA4 (2.6)	BUD13 (2.5)	PPM1G (2.0)
0.85	>=0.20	SMARCA4 (2.6)	BUD13 (2.5)	PPM1G (2.0)
0.85	>=0.20	RELB (3.2)	ENSG00000256731 (3	ABCA6 (3.0)
0.85	>=0.20	ENSG00000226806 (5	PLCG1 (3.5)	IGF2R (2.4)
0.85	>=0.20	OBP2B (3.0)	FER1L4 (2.8)	KRTCAP3 (1.9)
0.85	>=0.20	OTX1 (4.9)	NCAN (2.9)	CELSR2 (2.6)
0.85	>=0.20	NCAN (3.7)	NYNRIN (2.3)	YSK4 (1.9)
0.85	>=0.20	GATAD2A (3.5)	PLCG1 (2.5)	CLPTM1 (2.3)
0.85	>=0.20	LPAR2 (3.6)	PSRC1 (3.1)	PBX4 (2.6)
0.85	>=0.20	MCM6 (5.8)	FEN1 (5.4)	USP1 (5.1)
0.85	>=0.20	MCM6 (5.8)	FEN1 (5.4)	USP1 (5.1)
0.85	>=0.20	ENSG00000244861 (3	DOCK7 (2.8)	ATXN1L (2.6)
0.85	>=0.20	SMARCA4 (3.6)	NUP93 (2.8)	DARS (2.8)

0.85	>=0.20	C12orf43 (2.7)	NRBP1 (2.1)	SNX17 (2.1)
0.85	>=0.20	POLK (2.6)	C17orf57 (2.6)	PBX4 (2.3)
0.85	>=0.20	PSRC1 (5.7)	FEN1 (4.6)	ZRANB3 (4.0)
0.85	>=0.20	USP1 (3.3)	PSRC1 (2.6)	BUD13 (2.4)
0.85	>=0.20	ATXN1L (3.4)	CEP250 (2.7)	FER1L4 (2.4)
0.85	>=0.20	FER1L4 (2.6)	C12orf43 (2.5)	NCAN (2.3)
0.85	>=0.20	ZHX3 (2.2)	ENSG00000244861 (2	FUT2 (2.1)
0.85	>=0.20	AMPD2 (2.4)	ENSG00000231204 (2	AMIGO1 (1.9)
0.85	>=0.20	GMIP (3.1)	AMPD2 (2.5)	PLCG1 (2.5)
0.85	>=0.20	ENSG00000256731 (2	ZNF821 (2.1)	ENSG00000236436 (2
0.85	>=0.20	APOA4 (2.1)	PBX4 (2.0)	ABCG5 (1.9)
0.85	>=0.20	ENSG00000231204 (2	C19orf52 (2.2)	MYLIP (1.4)
0.85	>=0.20	MAMSTR (3.0)	GPR61 (3.0)	SYPL2 (3.0)
0.85	>=0.20	PSRC1 (5.8)	FEN1 (4.2)	ZRANB3 (3.7)
0.85	>=0.20	FUT1 (2.4)	ENSG00000226806 (2	GSTM5 (2.1)
0.85	>=0.20	PBX4 (2.7)	LPAL2 (2.2)	SPATC1 (1.9)
0.85	>=0.20	ENSG00000226622 (2	MAFB (2.1)	PMFBP1 (2.1)
0.85	>=0.20	ENSG00000226622 (2	MAFB (2.1)	PMFBP1 (2.1)
0.85	>=0.20	ENSG00000235545 (2	TRIB1 (1.8)	LPAR2 (1.8)
0.85	>=0.20	PSRC1 (5.3)	FEN1 (4.4)	POC5 (4.1)
0.85	>=0.20	USP1 (5.3)	MCM6 (5.0)	FEN1 (4.9)
0.85	>=0.20	FUT2 (4.1)	GCKR (2.7)	OASL (2.6)
0.85	>=0.20	ENSG00000244861 (2	ENSG00000226806 (2	HNF1A (2.1)
0.85	>=0.20	ATP13A1 (2.7)	NOP58 (2.6)	AMPD2 (2.4)
0.85	>=0.20	TSSK6 (3.0)	HAVCR1 (2.4)	CELSR2 (1.7)
0.85	>=0.20	C12orf43 (3.6)	SUGP1 (2.5)	ZNF259 (2.4)
0.85	>=0.20	NOP58 (2.7)	PPM1G (2.7)	MYLIP (2.6)
0.85	>=0.20	FUT1 (2.8)	ENSG00000226648 (2	FER1L4 (2.1)
0.85	>=0.20	TSSK6 (3.9)	IZUMO1 (3.3)	PMFBP1 (2.6)
0.85	>=0.20	GSTM5 (2.5)	TBKBP1 (2.0)	DOCK6 (2.0)
0.85	>=0.20	ZNF821 (2.6)	R3HDM1 (2.1)	TXNL4B (1.9)
0.85	>=0.20	POC5 (3.8)	SUGP1 (2.8)	DHX38 (2.6)
0.85	>=0.20	COL4A3BP (3.1)	MAU2 (2.4)	GRINA (2.2)
0.85	>=0.20	HAPLN4 (3.3)	HMGCR (2.6)	LDLR (2.4)
0.85	>=0.20	R3HDM1 (2.8)	C11orf9 (2.7)	SORT1 (2.3)
0.85	>=0.20	GOT2P1 (2.3)	C19orf52 (1.5)	KANK2 (1.5)
0.85	>=0.20	GOT2P1 (2.3)	C19orf52 (1.5)	KANK2 (1.5)
0.85	>=0.20	GOT2P1 (2.3)	C19orf52 (1.5)	KANK2 (1.5)
0.85	>=0.20	KANK2 (3.6)	MAMSTR (3.2)	SYPL2 (2.9)
0.85	>=0.20	ZRANB3 (3.6)	POLK (3.4)	CEP250 (2.8)
0.85	>=0.20	NPEPPS (2.9)	APOC1 (2.6)	CELSR2 (2.2)
0.85	>=0.20	ATP13A1 (2.7)	ZNF259 (2.4)	TOMM40 (2.4)
0.85	>=0.20	CEP250 (3.0)	ZRANB3 (1.7)	NUP93 (1.6)
0.85	>=0.20	GMIP (3.0)	AMPD2 (2.5)	BUD13 (2.2)
0.85	>=0.20	RELB (7.3)	CLPTM1 (3.2)	NFE2L3 (2.4)
0.85	>=0.20	PSRC1 (6.0)	FEN1 (4.2)	USP1 (3.8)
0.85	>=0.20	PPM1G (2.7)	DOCK7 (2.6)	SMARCA4 (2.6)
0.85	>=0.20	ATXN7L2 (2.5)	ZNF821 (2.1)	TRIM54 (1.9)
0.85	>=0.20	PSRC1 (5.6)	FEN1 (4.3)	USP1 (3.9)
0.85	>=0.20	YIPF2 (2.9)	FADS2 (2.8)	LDLR (2.1)

0.85	>=0.20	CYP26A1 (3.5)	FUT2 (3.1)	OTX1 (2.6)
0.85	>=0.20	PSMA5 (3.3)	UBXN4 (3.1)	NFE2L3 (2.6)
0.86	>=0.20	GOT2P1 (2.2)	FUT2 (1.8)	ERGIC3 (1.8)
0.86	>=0.20	ENSG00000226806 (2	FUT1 (2.2)	C17orf57 (1.8)
0.86	>=0.20	CYB561D1 (2.9)	GSTM5 (2.1)	GMIP (2.0)
0.86	>=0.20	R3HDM1 (3.1)	GMIP (3.0)	TBKBP1 (2.3)
0.86	>=0.20	ENSG00000231204 (3	GPR61 (2.7)	ABO (2.1)
0.86	>=0.20	C17orf57 (3.2)	TBKBP1 (2.1)	ENSG00000226648 (2
0.86	>=0.20	NCAN (3.0)	FER1L4 (2.5)	SORT1 (2.2)
0.86	>=0.20	ERGIC3 (3.7)	CLPTM1 (2.7)	BCAM (2.4)
0.86	>=0.20	ERGIC3 (3.7)	CLPTM1 (2.7)	BCAM (2.4)
0.86	>=0.20	YIPF2 (4.4)	NRBP1 (3.5)	SNX17 (3.0)
0.86	>=0.20	POC5 (3.0)	LPIN3 (2.9)	PSRC1 (2.8)
0.86	>=0.20	SMARCA4 (3.6)	USP24 (3.2)	AMPD2 (3.0)
0.86	>=0.20	ABCA5 (2.5)	PCSK9 (2.3)	C19orf52 (2.2)
0.86	>=0.20	NCAN (2.6)	CELSR2 (2.1)	AMPD2 (1.9)
0.86	>=0.20	C12orf43 (3.2)	ZNF259 (2.8)	MAP3K4 (2.2)
0.86	>=0.20	ENSG00000231204 (2	ENSG00000226645 (2	CYB561D1 (2.2)
0.86	>=0.20	YIPF2 (4.5)	IFT172 (3.3)	AMPD2 (2.5)
0.86	>=0.20	PSRC1 (4.1)	FEN1 (3.4)	ZRANB3 (3.0)
0.86	>=0.20	PSRC1 (4.1)	FEN1 (3.4)	ZRANB3 (3.0)
0.86	>=0.20	HNF1A (2.4)	ENSG00000231204 (2	FUT2 (2.2)
0.86	>=0.20	NCAN (3.6)	C11orf9 (2.2)	SORT1 (2.1)
0.86	>=0.20	SPATC1 (5.0)	TSSK6 (4.9)	PMFBP1 (3.8)
0.86	>=0.20	FER1L4 (3.6)	NCAN (2.3)	C12orf43 (2.1)
0.86	>=0.20	TOP1 (3.7)	BUD13 (2.7)	NPEPPS (2.7)
0.86	>=0.20	MAMSTR (4.0)	MYLIP (3.3)	GSTM5 (3.2)
0.86	>=0.20	OASL (5.6)	PARP10 (3.1)	BUD13 (3.0)
0.86	>=0.20	GSTM5 (2.2)	FUT2 (2.2)	TRAM2 (2.1)
0.86	>=0.20	GNAI3 (2.9)	PVRL2 (2.4)	CYB561D1 (2.3)
0.86	>=0.20	C12orf43 (3.6)	ZNF259 (3.5)	BUD13 (2.8)
0.86	>=0.20	ATXN7L2 (2.8)	NPEPPS (2.5)	ZNF821 (2.3)
0.86	>=0.20	ATXN7L2 (2.8)	NPEPPS (2.5)	ZNF821 (2.3)
0.86	>=0.20	SUMO1 (2.4)	USP1 (2.0)	TOP1 (2.0)
0.86	>=0.20	PGS1 (2.9)	SARS (2.7)	UBXN4 (2.7)
0.86	>=0.20	EHBP1 (2.0)	CETP (2.0)	SLC22A3 (2.0)
0.86	>=0.20	TOP1 (3.9)	DARS (3.6)	ZNF259 (3.0)
0.86	>=0.20	ENSG00000226648 (4	ENSG00000231204 (3	ENSG00000182329 (2
0.86	>=0.20	RASIP1 (2.8)	IZUMO1 (2.7)	TBKBP1 (2.5)
0.86	>=0.20	GNAT2 (3.9)	RP1 (3.2)	GSTM5 (2.2)
0.86	>=0.20	ENSG00000235545 (4	ENSG00000228044 (3	ENSG00000236436 (2
0.86	>=0.20	SLC44A2 (2.8)	ENSG00000226806 (2	TRAM2 (2.6)
0.86	>=0.20	PLCG1 (3.0)	NYNRIN (2.7)	GDF5 (2.7)
0.86	>=0.20	OTX1 (2.7)	CILP2 (2.3)	PLCG1 (2.3)
0.86	>=0.20	LPL (3.1)	GPAM (2.5)	C19orf80 (2.3)
0.86	>=0.20	MCM6 (2.5)	GATAD2A (2.5)	ZNF821 (2.4)
0.86	>=0.20	MAFB (2.4)	PLEC (2.2)	POLK (2.0)
0.86	>=0.20	ENSG00000231204 (3	AMIGO1 (2.4)	PMFBP1 (2.4)
0.86	>=0.20	ENSG00000231204 (3	AMIGO1 (2.4)	PMFBP1 (2.4)
0.86	>=0.20	FUT1 (2.8)	GMIP (2.6)	LPAR2 (2.5)

0.86	>=0.20	NOP58 (2.6)	DHX38 (2.2)	SUMO1 (2.1)
0.86	>=0.20	PSRC1 (5.8)	FEN1 (4.3)	USP1 (3.9)
0.86	>=0.20	AMIGO1 (2.3)	USP24 (2.2)	NCAN (2.1)
0.86	>=0.20	UBXN4 (2.8)	TOP1 (2.4)	NOP58 (2.3)
0.86	>=0.20	RASIP1 (2.6)	KANK2 (2.4)	FUT1 (2.4)
0.86	>=0.20	ENSG00000231204 (3	AMIGO1 (2.5)	PMFBP1 (2.4)
0.86	>=0.20	GRINA (2.8)	APOE (2.4)	ERGIC3 (2.3)
0.86	>=0.20	GRINA (2.4)	CLPTM1 (2.4)	SLC44A2 (2.3)
0.86	>=0.20	HAPLN4 (4.7)	APOE (3.4)	COL4A3BP (2.3)
0.86	>=0.20	YSK4 (2.4)	SLC22A2 (2.1)	LIPC (1.9)
0.86	>=0.20	GPR61 (3.1)	LPAL2 (2.4)	CELSR2 (2.3)
0.86	>=0.20	ENSG00000256731 (3	ENSG00000235545 (2	SLC22A3 (2.3)
0.86	>=0.20	OASL (6.4)	PARP10 (5.7)	CYB561D1 (2.7)
0.86	>=0.20	ATXN1L (3.7)	CEP250 (2.5)	FER1L4 (2.3)
0.86	>=0.20	BUD13 (3.2)	TOP1 (3.2)	SUGP1 (3.1)
0.86	>=0.20	BUD13 (3.2)	TOP1 (3.2)	SUGP1 (3.1)
0.86	>=0.20	ENSG00000235545 (2	FER1L4 (2.6)	AMPD2 (2.2)
0.86	>=0.20	ENSG00000236436 (3	ENSG00000182329 (2	EHBP1 (1.7)
0.86	>=0.20	POLK (2.0)	GNAI3 (1.9)	CELSR2 (1.9)
0.86	>=0.20	CLPTM1 (3.7)	RAB3GAP1 (3.3)	YIPF2 (3.0)
0.86	>=0.20	CLPTM1 (3.7)	RAB3GAP1 (3.3)	YIPF2 (3.0)
0.86	>=0.20	C11orf9 (6.6)	HAPLN4 (3.0)	TSSK6 (2.2)
0.86	>=0.20	SLC22A2 (7.7)	PLG (2.5)	GSTM4 (2.3)
0.86	>=0.20	TSSK6 (3.8)	MAU2 (2.4)	ZNF821 (2.3)
0.86	>=0.20	HAPLN4 (3.1)	C11orf9 (2.5)	NPEPPS (2.3)
0.86	>=0.20	HAPLN4 (3.1)	C11orf9 (2.5)	NPEPPS (2.3)
0.86	>=0.20	RP1 (3.3)	AMPD2 (2.7)	ABO (2.5)
0.86	>=0.20	POLK (2.4)	C12orf43 (2.3)	SUMO1 (2.2)
0.86	>=0.20	MYLIP (2.8)	ABO (2.4)	ENSG00000244861 (2
0.86	>=0.20	CEP250 (3.8)	POC5 (3.2)	PSRC1 (3.0)
0.86	>=0.20	CEP250 (3.8)	POC5 (3.2)	PSRC1 (3.0)
0.86	>=0.20	SARS (6.7)	SUGP1 (3.1)	PSMA5 (2.8)
0.86	>=0.20	TRIM54 (3.8)	PLEC (2.8)	SYPL2 (2.0)
0.86	>=0.20	SUGP1 (2.7)	ENSG00000244861 (2	C12orf43 (2.3)
0.86	>=0.20	GSTM4 (3.2)	PSMA5 (3.1)	PLG (2.2)
0.86	>=0.20	EHBP1 (3.7)	OTX1 (3.0)	CYP26A1 (2.9)
0.86	>=0.20	COL4A3BP (3.1)	MAU2 (2.4)	GRINA (2.2)
0.86	>=0.20	ERGIC3 (2.6)	HMGCR (2.6)	NPEPPS (2.5)
0.86	>=0.20	SUMO1 (3.6)	GNAI3 (3.1)	C19orf52 (2.2)
0.87	>=0.20	ENSG00000235545 (1	EHBP1 (1.8)	PLCG1 (1.8)
0.87	>=0.20	ATXN7L2 (2.5)	NYNRIN (2.5)	BCAM (2.3)
0.87	>=0.20	NOP58 (3.0)	GMIP (2.7)	DARS (2.4)
0.87	>=0.20	TOP1 (3.4)	C19orf52 (2.6)	FEN1 (2.6)
0.87	>=0.20	MAMSTR (5.6)	SYPL2 (3.7)	ENSG00000226648 (2
0.87	>=0.20	UBXN4 (4.0)	NRBP1 (2.4)	USP24 (2.3)
0.87	>=0.20	SLC22A2 (3.1)	KRTCAP3 (2.5)	ENSG00000226806 (2
0.87	>=0.20	ATXN7L2 (3.9)	MAP3K4 (3.2)	BUD13 (2.8)
0.87	>=0.20	PBX4 (2.5)	HNF1A (2.2)	DOCK7 (2.0)
0.87	>=0.20	GRINA (3.0)	SARS (2.9)	RAB3GAP1 (2.7)
0.87	>=0.20	ENSG00000231204 (2	C19orf52 (2.0)	SUMO1 (1.9)

0.87	>=0.20	FER1L4 (2.9)	NCAN (2.7)	GOT2P1 (2.2)
0.87	>=0.20	C12orf43 (4.1)	POC5 (3.4)	ZNF513 (2.7)
0.87	>=0.20	IST1 (2.3)	NUP93 (2.2)	ABCA6 (2.1)
0.87	>=0.20	GSTM5 (3.3)	OBP2B (2.6)	ENSG00000236436 (2
0.87	>=0.20	SYPL2 (2.4)	LCT (2.4)	EHBP1 (2.4)
0.87	>=0.20	TRIM54 (2.9)	KANK2 (2.6)	BCAM (2.0)
0.87	>=0.20	ATXN1L (2.8)	KANK2 (2.8)	C19orf52 (2.5)
0.87	>=0.20	NPEPPS (2.9)	KPNB1 (2.6)	HAPLN4 (2.4)
0.87	>=0.20	POLK (3.6)	ZRANB3 (2.5)	ENSG00000228044 (2
0.87	>=0.20	GSTM5 (2.6)	ENSG00000231204 (2	OBP2B (2.4)
0.87	>=0.20	GPR61 (3.3)	DNAH11 (3.2)	ENSG00000182329 (3
0.87	>=0.20	NRBP1 (2.7)	CLPTM1 (2.7)	ZHX3 (2.7)
0.87	>=0.20	GMIP (3.0)	AMPD2 (2.7)	ZHX3 (2.4)
0.87	>=0.20	SNX17 (4.1)	FNDC4 (2.6)	R3HDM1 (2.6)
0.87	>=0.20	ZRANB3 (3.6)	PSRC1 (2.7)	CEP250 (2.6)
0.87	>=0.20	PLEC (2.7)	ST3GAL4 (2.1)	TRIM54 (2.0)
0.87	>=0.20	NCAN (4.0)	R3HDM1 (3.3)	ZHX3 (3.2)
0.87	>=0.20	NCAN (4.0)	R3HDM1 (3.3)	ZHX3 (3.2)
0.87	>=0.20	GOT2P1 (3.2)	IST1 (2.7)	GRINA (2.2)
0.87	>=0.20	TRIB1 (3.6)	YSK4 (2.3)	ENSG00000226622 (2
0.87	>=0.20	MYLIP (3.1)	OTX1 (2.0)	ENSG00000226645 (1
0.87	>=0.20	YSK4 (6.5)	RP1 (5.2)	IFT172 (4.2)
0.87	>=0.20	ZNF513 (2.7)	IST1 (2.3)	ABCA6 (2.2)
0.87	>=0.20	ZNF513 (2.7)	IST1 (2.3)	ABCA6 (2.2)
0.87	>=0.20	ZNF513 (2.7)	IST1 (2.3)	ABCA6 (2.2)
0.87	>=0.20	DHODH (3.6)	ZNF259 (3.4)	C12orf43 (3.1)
0.87	>=0.20	FUT2 (3.6)	CYB561D1 (2.8)	IST1 (2.7)
0.87	>=0.20	CILP2 (6.6)	TRAM2 (2.4)	ST3GAL4 (2.3)
0.87	>=0.20	USP24 (3.2)	GMIP (2.9)	SORT1 (2.5)
0.87	>=0.20	PSRC1 (5.2)	FEN1 (4.1)	MCM6 (3.2)
0.87	>=0.20	CLPTM1 (4.0)	ERGIC3 (3.9)	ENSG00000226645 (2
0.87	>=0.20	KANK2 (3.8)	RASIP1 (3.2)	DOCK6 (2.9)
0.87	>=0.20	NCAN (3.0)	HAPLN4 (2.9)	ZHX3 (2.8)
0.87	>=0.20	SUMO1 (3.8)	PLEC (3.2)	PGS1 (2.5)
0.87	>=0.20	C19orf52 (2.7)	SARS (2.6)	ZNF259 (2.3)
0.87	>=0.20	GNAT2 (2.3)	IZUMO1 (2.2)	ENSG00000226622 (1
0.87	>=0.20	GNAT2 (2.3)	IZUMO1 (2.2)	ENSG00000226622 (1
0.87	>=0.20	GNAT2 (2.3)	IZUMO1 (2.2)	ENSG00000226622 (1
0.87	>=0.20	ENSG00000254235 (3	ENSG00000226622 (3	SLC22A2 (2.9)
0.87	>=0.20	FGF21 (2.5)	GDF5 (2.0)	CILP2 (1.8)
0.87	>=0.20	LIPG (2.8)	NCAN (2.1)	OTX1 (2.1)
0.87	>=0.20	ZNF513 (3.0)	ENSG00000244861 (2	TRIB1 (2.3)
0.87	>=0.20	NOP58 (3.6)	ZNF259 (2.5)	DARS (2.1)
0.87	>=0.20	SLC22A2 (9.4)	HAVCR1 (4.4)	ABO (3.9)
0.87	>=0.20	OASL (6.1)	PARP10 (4.9)	IZUMO1 (2.0)
0.87	>=0.20	OASL (6.1)	PARP10 (4.9)	IZUMO1 (2.0)
0.87	>=0.20	NCAN (2.4)	MYLIP (2.1)	TOP1 (1.8)
0.87	>=0.20	CBLC (2.5)	PSRC1 (2.1)	DOCK7 (2.1)
0.87	>=0.20	DOCK6 (3.5)	NCAN (2.2)	KRTCAP3 (2.0)
0.87	>=0.20	DHODH (3.6)	OASL (3.2)	PARP10 (3.0)

0.87	>=0.20	SLC22A3 (3.3)	ENSG00000228044 (3
0.87	>=0.20	MAU2 (3.4)	PBX4 (2.4)
0.87	>=0.20	ENSG00000244861 (4	ENSG00000226648 (2
0.87	>=0.20	KANK2 (3.5)	GATAD2A (2.7)
0.87	>=0.20	C12orf43 (3.0)	SUMO1 (2.9)
0.87	>=0.20	DHODH (3.2)	OASL (3.1)
0.87	>=0.20	TRIB1 (3.2)	NRBP1 (2.7)
0.87	>=0.20	DNAH11 (3.7)	PARP10 (3.4)
0.87	>=0.20	AMPD2 (2.5)	MYLIP (2.5)
0.87	>=0.20	GNAI3 (2.8)	SARS (2.7)
0.87	>=0.20	UBXN4 (4.1)	NRBP1 (2.4)
0.87	>=0.20	USP24 (3.2)	SYPL2 (2.7)
0.87	>=0.20	LDLR (2.1)	TRAM2 (1.9)
0.87	>=0.20	LDLR (2.1)	TRAM2 (1.9)
0.87	>=0.20	YIPF2 (4.5)	UBXN4 (3.9)
0.87	>=0.20	GNAT2 (3.3)	RP1 (2.7)
0.87	>=0.20	TOMM40 (3.0)	SARS (2.9)
0.87	>=0.20	PSMA5 (3.0)	ENSG00000256731 (2
0.87	>=0.20	SPATC1 (3.3)	TSSK6 (2.5)
0.87	>=0.20	MAP3K4 (3.7)	SMARCA4 (3.4)
0.87	>=0.20	C12orf43 (3.3)	POC5 (3.1)
0.87	>=0.20	MAP3K4 (3.5)	IGF2R (3.3)
0.87	>=0.20	ATXN7L2 (3.4)	R3HDM1 (2.5)
0.87	>=0.20	ENSG00000231204 (2	GPR61 (2.6)
0.87	>=0.20	TSSK6 (2.8)	PARP10 (2.5)
0.87	>=0.20	TRIM54 (4.2)	SYPL2 (3.5)
0.87	>=0.20	PSMA5 (3.4)	UBXN4 (3.2)
0.87	>=0.20	GNAT2 (8.3)	RP1 (8.2)
0.87	>=0.20	ENSG00000226648 (2	DNAH11 (2.3)
0.87	>=0.20	NCAN (5.4)	OTX1 (2.6)
0.87	>=0.20	MAP3K4 (2.8)	ATXN7L2 (2.7)
0.87	>=0.20	BMPR2 (2.6)	PLCG1 (2.6)
0.87	>=0.20	UBXN4 (3.9)	ENSG00000256731 (2
0.87	>=0.20	IST1 (3.6)	DHODH (3.0)
0.87	>=0.20	IST1 (3.6)	DHODH (3.0)
0.87	>=0.20	IST1 (3.6)	DHODH (3.0)
0.87	>=0.20	SUMO1 (2.8)	ENSG00000226645 (2
0.87	>=0.20	RELB (2.5)	CYB561D1 (2.2)
0.87	>=0.20	GSTM5 (3.5)	FNDC4 (3.0)
0.87	>=0.20	CELSR2 (1.4)	PMFBP1 (1.2)
0.87	>=0.20	ENSG00000235545 (2	FER1L4 (2.6)
0.87	>=0.20	PSRC1 (5.9)	FEN1 (4.4)
0.87	>=0.20	KANK2 (2.3)	FUT1 (2.2)
0.87	>=0.20	OBP2B (2.8)	GPR61 (2.1)
0.87	>=0.20	GPR61 (3.1)	FNDC4 (2.5)
0.87	>=0.20	PSMA5 (3.7)	SUMO1 (2.9)
0.87	>=0.20	FNDC4 (2.7)	MAMSTR (1.8)
0.87	>=0.20	C11orf9 (2.3)	DOCK6 (2.3)
0.87	>=0.20	ZNF513 (3.0)	ENSG00000244861 (2
0.87	>=0.20	ENSG00000236267 (2	ENSG00000244861 (2

ENSG00000235545 (2			
LPAR2 (2.3)			
ATXN1L (2.4)			
GNAI3 (2.5)			
TXNL4B (2.7)			
PARP10 (3.0)			
PVR (2.4)			
OASL (3.3)			
GSTM4 (2.4)			
FUT1 (2.1)			
USP24 (2.3)			
DOCK7 (2.4)			
OBP2B (1.8)			
OBP2B (1.8)			
NRBP1 (3.0)			
GPR61 (2.7)			
KPNB1 (2.9)			
NFE2L3 (2.5)			
IZUMO1 (2.1)			
PPM1G (3.2)			
C19orf52 (2.2)			
ENSG00000226806 (2			
SMARCA4 (2.3)			
AMIGO1 (2.1)			
FUT1 (2.3)			
NFE2L3 (2.3)			
NFE2L3 (2.5)			
FNDC4 (2.1)			
LIPG (2.0)			
CELSR2 (2.6)			
R3HDM1 (2.6)			
USP1 (2.5)			
NPEPPS (2.1)			
TXNL4B (2.9)			
TXNL4B (2.9)			
TXNL4B (2.9)			
ZNF259 (2.1)			
GMIP (2.1)			
CYP26A1 (2.5)			
ABCA5 (0.9)			
ST3GAL4 (2.5)			
ZRANB3 (3.9)			
LPL (1.9)			
SYPL2 (1.9)			
CETP (2.3)			
SARS (2.7)			
ENSG00000226645 (1			
EHBP1 (2.1)			
TRIB1 (2.2)			
TBKBP1 (2.0)			

0.88	>=0.20	TOP1 (3.5)	ENSG00000226648 (3	NPEPPS (2.8)
0.88	>=0.20	ZRANB3 (3.3)	PSRC1 (3.1)	ENSG00000226648 (2
0.88	>=0.20	C12orf43 (2.6)	R3HDM1 (2.5)	KPNB1 (2.3)
0.88	>=0.20	SMARCA4 (2.6)	NOP58 (2.6)	PPM1G (2.4)
0.88	>=0.20	ATP13A1 (4.1)	YIPF2 (3.4)	GNAI3 (3.2)
0.88	>=0.20	NCAN (3.3)	ZHX3 (2.6)	APOE (2.6)
0.88	>=0.20	NUP93 (3.4)	GATAD2A (2.4)	FEN1 (2.2)
0.88	>=0.20	C19orf52 (2.3)	TBKBP1 (2.0)	ENSG00000256731 (2
0.88	>=0.20	CYP26A1 (3.9)	NCAN (2.2)	ENSG00000226648 (2
0.88	>=0.20	ENSG00000226806 (4	SMARCA4 (2.4)	IGF2R (2.2)
0.88	>=0.20	NOP58 (3.2)	DHX38 (2.5)	GATAD2A (2.5)
0.88	>=0.20	OTX1 (7.6)	ENSG00000231204 (2	NCAN (2.5)
0.88	>=0.20	PLEC (3.1)	GNAI3 (2.5)	PVR (2.0)
0.88	>=0.20	PLEC (3.1)	GNAI3 (2.5)	PVR (2.0)
0.88	>=0.20	RELB (3.2)	NFE2L3 (2.5)	IGF2R (1.6)
0.88	>=0.20	ENSG00000244861 (3	YSK4 (2.7)	ZNF259 (2.0)
0.88	>=0.20	IST1 (2.6)	PGS1 (2.5)	ZNF513 (2.4)
0.88	>=0.20	DHX38 (2.7)	C19orf52 (2.7)	BUD13 (2.4)
0.88	>=0.20	C12orf43 (3.7)	POLK (2.9)	TXNL4B (2.6)
0.88	>=0.20	CYP26A1 (2.5)	OTX1 (2.2)	CILP2 (1.7)
0.88	>=0.20	BMPR2 (2.7)	PVR (2.6)	ATXN1L (1.9)
0.88	>=0.20	TSSK6 (2.4)	C19orf52 (2.3)	BUD13 (2.1)
0.88	>=0.20	ZHX3 (4.1)	RAB3GAP1 (1.9)	PSMA5 (1.7)
0.88	>=0.20	ENSG00000231204 (2	CEP250 (1.9)	ABO (1.9)
0.88	>=0.20	ENSG00000231204 (2	CEP250 (1.9)	ABO (1.9)
0.88	>=0.20	TRAM2 (2.5)	ST3GAL4 (2.4)	ZNF513 (1.9)
0.88	>=0.20	FEN1 (4.1)	MCM6 (3.5)	USP1 (2.9)
0.88	>=0.20	TRIM54 (9.9)	SYPL2 (6.9)	PLEC (1.1)
0.88	>=0.20	GNAI3 (2.4)	ZNF513 (2.1)	AMPD2 (1.9)
0.88	>=0.20	ATXN7L2 (2.0)	DNAH11 (1.6)	TRIB1 (1.6)
0.88	>=0.20	GMIP (4.7)	PLCG1 (2.5)	POLK (2.2)
0.88	>=0.20	PSMA5 (3.9)	UBXN4 (2.8)	SNX17 (2.6)
0.88	>=0.20	ATP13A1 (3.8)	ERGIC3 (2.9)	GPR61 (2.7)
0.88	>=0.20	GSTM5 (2.6)	SORT1 (2.5)	YSK4 (2.4)
0.88	>=0.20	MAU2 (2.6)	PMFBP1 (2.1)	R3HDM1 (2.1)
0.88	>=0.20	UBXN4 (3.4)	ERGIC3 (3.1)	YIPF2 (2.7)
0.88	>=0.20	POLK (3.3)	POC5 (2.7)	YSK4 (2.3)
0.88	>=0.20	NOP58 (3.0)	SUGP1 (2.3)	GNAI3 (2.2)
0.88	>=0.20	NOP58 (3.0)	SUGP1 (2.3)	GNAI3 (2.2)
0.88	>=0.20	NUP93 (3.1)	SMARCA4 (2.5)	IST1 (2.2)
0.88	>=0.20	NUP93 (3.1)	SMARCA4 (2.5)	IST1 (2.2)
0.88	>=0.20	NUP93 (3.1)	SMARCA4 (2.5)	IST1 (2.2)
0.88	>=0.20	SYPL2 (3.1)	GNAT2 (2.9)	LPIN3 (2.6)
0.88	>=0.20	HAVCR1 (2.1)	HAPLN4 (1.9)	C11orf9 (1.8)
0.88	>=0.20	SUGP1 (3.4)	C12orf43 (3.0)	ZNF259 (2.4)
0.88	>=0.20	SUGP1 (3.4)	C12orf43 (3.0)	ZNF259 (2.4)
0.88	>=0.20	LPAL2 (3.0)	C17orf57 (2.9)	COL4A3BP (2.6)
0.88	>=0.20	PBX4 (2.6)	ENSG00000236267 (2	ENSG00000254235 (1
0.88	>=0.20	TOP1 (3.4)	BUD13 (3.2)	SUGP1 (3.0)
0.88	>=0.20	MCM6 (3.5)	PSRC1 (3.5)	ZRANB3 (2.8)

0.88	>=0.20	CELSR2 (3.9)	NCAN (3.4)	PBX4 (2.6)
0.88	>=0.20	ENSG00000236436 (3	IFT172 (2.1)	NYNRIN (2.1)
0.88	>=0.20	PSRC1 (5.3)	POC5 (4.8)	USP1 (3.5)
0.88	>=0.20	CEP250 (3.7)	POC5 (3.4)	PSRC1 (3.1)
0.88	>=0.20	CEP250 (3.7)	POC5 (3.4)	PSRC1 (3.1)
0.88	>=0.20	SLC44A2 (3.2)	GNAI3 (2.5)	TBKBP1 (2.3)
0.88	>=0.20	GOT2P1 (4.7)	LPAL2 (3.3)	ENSG00000226648 (2
0.88	>=0.20	SORT1 (2.8)	YSK4 (2.5)	AMIGO1 (2.2)
0.88	>=0.20	ENSG00000226806 (2	RAB3GAP1 (2.5)	ATXN1L (2.5)
0.88	>=0.20	YIPF2 (2.4)	BUD13 (2.4)	ATXN1L (2.1)
0.88	>=0.20	ZHX3 (3.3)	DOCK6 (2.7)	ENSG00000182329 (2
0.88	>=0.20	IST1 (3.4)	MCM6 (3.0)	USP1 (2.8)
0.88	>=0.20	ENSG00000226622 (5	IZUMO1 (2.7)	TSSK6 (2.7)
0.88	>=0.20	PLEC (3.8)	GNAI3 (3.6)	NPEPPS (2.5)
0.88	>=0.20	LPAL2 (3.4)	LCT (2.7)	ABCG5 (2.4)
0.88	>=0.20	PLCG1 (2.6)	APOC1 (2.3)	APOE (2.2)
0.88	>=0.20	KRTCAP3 (3.8)	ENSG00000254235 (2	LPAR2 (2.3)
0.88	>=0.20	MCM6 (2.6)	ZRANB3 (2.5)	DHODH (2.3)
0.88	>=0.20	CELSR2 (2.5)	MAMSTR (2.0)	TBKBP1 (1.9)
0.88	>=0.20	TRIM54 (9.4)	SYPL2 (7.2)	MAMSTR (1.4)
0.88	>=0.20	ENSG00000254235 (2	DNAH11 (2.2)	LPIN3 (2.1)
0.88	>=0.20	GMIP (3.1)	FADS2 (2.6)	CEP250 (2.5)
0.88	>=0.20	TOMM40 (2.6)	MAU2 (2.5)	SMARCA4 (2.4)
0.88	>=0.20	SUGP1 (2.8)	LPIN3 (2.6)	CARM1 (2.5)
0.88	>=0.20	RP1 (4.3)	GNAT2 (3.5)	IFT172 (3.5)
0.88	>=0.20	R3HDM1 (2.5)	ENSG00000231204 (2	HNF1A (2.2)
0.88	>=0.20	ZNF821 (2.5)	NUP93 (2.3)	SUMO1 (2.1)
0.88	>=0.20	C11orf9 (3.1)	HAPLN4 (2.9)	NCAN (2.3)
0.88	>=0.20	DARS (4.8)	NOP58 (3.7)	ZNF259 (3.5)
0.88	>=0.20	SLC22A2 (2.4)	ABO (2.3)	YSK4 (2.3)
0.88	>=0.20	NPEPPS (2.6)	C11orf9 (2.5)	HAPLN4 (2.2)
0.88	>=0.20	SNX17 (3.1)	NRBP1 (3.0)	GNAI3 (2.6)
0.88	>=0.20	USP1 (3.7)	EHBP1 (3.3)	GNAI3 (2.4)
0.88	>=0.20	PSRC1 (5.8)	FEN1 (4.5)	MCM6 (3.8)
0.88	>=0.20	HAVCR1 (2.5)	NCAN (2.5)	SYPL2 (2.2)
0.88	>=0.20	GMIP (3.4)	RAB3GAP1 (2.3)	C17orf57 (2.0)
0.88	>=0.20	NOP58 (2.4)	DARS (1.7)	ERGIC3 (1.6)
0.88	>=0.20	PLCG1 (3.4)	SMARCA4 (2.8)	NYNRIN (2.4)
0.88	>=0.20	SNX17 (4.0)	NRBP1 (3.3)	DARS (3.3)
0.88	>=0.20	SYPL2 (2.9)	MAMSTR (2.3)	ABCA5 (2.0)
0.88	>=0.20	GMIP (2.8)	NRBP1 (2.2)	PLCG1 (2.1)
0.88	>=0.20	SORT1 (2.2)	YIPF2 (2.2)	USP24 (2.0)
0.88	>=0.20	PSMA5 (2.6)	NUP93 (2.5)	POC5 (2.5)
0.88	>=0.20	IST1 (3.6)	TXNL4B (3.3)	DHODH (2.9)
0.88	>=0.20	COL4A3BP (3.5)	ATXN1L (3.0)	RAB3GAP1 (2.6)
0.88	>=0.20	C11orf9 (2.8)	HAVCR1 (2.2)	ABO (2.0)
0.88	>=0.20	ENSG00000235545 (2	HAVCR1 (2.1)	DOCK7 (2.0)
0.88	>=0.20	SARS (3.7)	ZNF259 (3.5)	NUP93 (2.6)
0.88	>=0.20	PSRC1 (5.5)	FEN1 (4.6)	MCM6 (4.0)
0.88	>=0.20	IFT172 (4.5)	PBX4 (2.3)	OBP2B (2.0)

0.88	>=0.20	CYP26A1 (3.4)	FUT2 (3.2)	OTX1 (2.8)
0.88	>=0.20	TRIM54 (9.5)	SYPL2 (7.0)	PLEC (1.2)
0.88	>=0.20	PSRC1 (5.6)	FEN1 (4.1)	POC5 (4.0)
0.88	>=0.20	NRBP1 (3.3)	ATXN7L2 (3.2)	NPEPPS (2.8)
0.89	>=0.20	MAFB (2.6)	PLCG1 (2.4)	GPR61 (2.1)
0.89	>=0.20	SLC22A2 (2.8)	LCT (2.8)	ENSG00000226806 (2
0.89	>=0.20	SNX17 (3.4)	NPEPPS (2.6)	ATP13A1 (2.4)
0.89	>=0.20	FUT2 (4.5)	COL4A3BP (2.8)	HAPLN4 (2.5)
0.89	>=0.20	PSRC1 (5.8)	FEN1 (4.2)	MCM6 (3.7)
0.89	>=0.20	GPR61 (3.2)	ENSG00000231204 (2	ENSG00000228044 (2
0.89	>=0.20	ZRANB3 (3.4)	USP1 (3.1)	MCM6 (2.9)
0.89	>=0.20	GRINA (2.8)	APOE (2.3)	NCAN (2.3)
0.89	>=0.20	NRBP1 (3.9)	UBXN4 (3.1)	SNX17 (3.0)
0.89	>=0.20	TSSK6 (3.5)	MAU2 (2.3)	ZNF821 (2.2)
0.89	>=0.20	DHODH (3.0)	USP1 (2.0)	ZNF821 (2.0)
0.89	>=0.20	UBXN4 (4.0)	SUGP1 (2.4)	RAB3GAP1 (2.2)
0.89	>=0.20	GNAI3 (3.0)	SNX17 (2.7)	NRBP1 (2.7)
0.89	>=0.20	RP1 (3.2)	AMPD2 (3.1)	ENSG00000226806 (2
0.89	>=0.20	ENSG00000244861 (3	ZHX3 (2.2)	C17orf57 (2.2)
0.89	>=0.20	C11orf9 (2.9)	PVR (2.3)	PVRL2 (2.1)
0.89	>=0.20	YSK4 (2.7)	FER1L4 (2.7)	TXNL4B (2.7)
0.89	>=0.20	OASL (2.7)	ENSG00000235545 (2	ATP13A1 (2.5)
0.89	>=0.20	PLEC (2.4)	KANK2 (1.9)	C11orf9 (1.9)
0.89	>=0.20	C12orf43 (2.8)	C17orf57 (2.7)	IST1 (2.4)
0.89	>=0.20	SMARCA4 (3.0)	GNAI3 (2.8)	NRBP1 (2.8)
0.89	>=0.20	NPEPPS (2.1)	SLC22A3 (1.8)	BMPR2 (1.7)
0.89	>=0.20	TRIM54 (4.0)	ENSG00000231204 (3	PLEC (2.8)
0.89	>=0.20	OTX1 (3.2)	ENSG00000254235 (3	CYP26A1 (2.3)
0.89	>=0.20	PSRC1 (3.7)	POC5 (2.9)	FEN1 (2.8)
0.89	>=0.20	UBXN4 (2.7)	MAU2 (2.7)	COL4A3BP (2.6)
0.89	>=0.20	CYP26A1 (2.9)	KRTCAP3 (2.8)	EHBP1 (2.3)
0.89	>=0.20	HNF1A (3.6)	GPR61 (3.0)	LIPG (2.5)
0.89	>=0.20	HNF1A (3.6)	GPR61 (3.0)	LIPG (2.5)
0.89	>=0.20	TRIB1 (3.6)	FER1L4 (2.6)	TRAM2 (2.6)
0.89	>=0.20	COL4A3BP (3.5)	CYB561D1 (3.1)	HAVCR1 (3.0)
0.89	>=0.20	OTX1 (3.3)	CYP26A1 (1.8)	MAFB (1.7)
0.89	>=0.20	DHODH (3.8)	PARP10 (3.1)	OASL (2.9)
0.89	>=0.20	AMPD2 (2.1)	ENSG00000254235 (2	LCT (2.0)
0.89	>=0.20	GMIP (2.6)	DOCK6 (2.5)	AMPD2 (2.4)
0.89	>=0.20	EHBP1 (2.4)	ZNF821 (2.3)	GMIP (2.0)
0.89	>=0.20	USP24 (5.1)	NPEPPS (2.9)	COL4A3BP (2.7)
0.89	>=0.20	ENSG00000244861 (3	C17orf57 (2.4)	PBX4 (2.3)
0.89	>=0.20	DHX38 (2.9)	NRBP1 (2.8)	SMARCA4 (2.7)
0.89	>=0.20	SARS (3.9)	C12orf43 (3.1)	SNX17 (2.8)
0.89	>=0.20	HAPLN4 (2.9)	GRINA (2.6)	SLC22A2 (2.4)
0.89	>=0.20	LPAR2 (3.5)	NYNRIN (2.2)	PBX4 (2.0)
0.89	>=0.20	ZRANB3 (3.2)	ENSG00000228044 (3	CEP250 (2.8)
0.89	>=0.20	ATXN7L2 (2.6)	YIPF2 (2.6)	TOMM40 (2.2)
0.89	>=0.20	TRIM54 (3.9)	RASIP1 (2.6)	BCAM (2.0)
0.89	>=0.20	FEN1 (3.3)	MCM6 (3.2)	SUGP1 (2.6)

0.89	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	MCM6 (3.8)
0.89	>=0.20	UBXN4 (3.3)	PSMA5 (3.2)	NFE2L3 (2.5)
0.89	>=0.20	ATP13A1 (2.5)	C12orf43 (2.4)	ZNF259 (2.3)
0.89	>=0.20	SNX17 (2.9)	CYB561D1 (2.8)	CLPTM1 (2.2)
0.89	>=0.20	CILP2 (5.7)	GDF5 (5.0)	TRAM2 (1.8)
0.89	>=0.20	NRBP1 (3.1)	SUMO1 (2.6)	USP24 (2.6)
0.89	>=0.20	SMARCA4 (2.6)	BUD13 (2.1)	DNAH11 (2.1)
0.89	>=0.20	TRIM54 (8.3)	SYPL2 (5.0)	BCAM (1.2)
0.89	>=0.20	ZHX3 (2.9)	PLEC (2.6)	CLPTM1 (2.0)
0.89	>=0.20	GNAI3 (2.8)	CYB561D1 (2.7)	YIPF2 (2.7)
0.89	>=0.20	ERGIC3 (3.0)	DARS (2.8)	NPEPPS (2.7)
0.89	>=0.20	CYP26A1 (3.3)	CILP2 (2.3)	EHBP1 (2.1)
0.89	>=0.20	FEN1 (6.3)	MCM6 (6.1)	USP1 (4.6)
0.89	>=0.20	IFT172 (2.5)	SLC44A2 (2.4)	ENSG00000235545 (2
0.89	>=0.20	SUGP1 (2.7)	GRINA (2.6)	CARM1 (2.5)
0.89	>=0.20	ENSG00000235545 (3	ENSG00000228044 (3	RP1 (2.8)
0.89	>=0.20	DNAH11 (3.3)	NFE2L3 (1.9)	MAMSTR (1.9)
0.89	>=0.20	GNAI3 (3.7)	COL4A3BP (3.1)	GATAD2A (2.2)
0.89	>=0.20	YSK4 (6.0)	TSSK6 (4.1)	IFT172 (3.4)
0.89	>=0.20	ZNF259 (3.5)	DHODH (3.4)	BUD13 (3.1)
0.89	>=0.20	PLCG1 (3.1)	ENSG00000226806 (2	APOE (2.3)
0.89	>=0.20	PLCG1 (3.1)	ENSG00000226806 (2	APOE (2.3)
0.89	>=0.20	PLCG1 (3.1)	ENSG00000226806 (2	APOE (2.3)
0.89	>=0.20	PLCG1 (3.1)	ENSG00000226806 (2	APOE (2.3)
0.89	>=0.20	OTX1 (5.0)	ENSG00000182329 (4	DNAH11 (3.2)
0.89	>=0.20	GDF5 (3.4)	IZUMO1 (2.6)	CYP26A1 (2.5)
0.89	>=0.20	BUD13 (2.7)	USP24 (2.4)	AMPD2 (2.3)
0.89	>=0.20	RELB (6.2)	UBXN4 (3.2)	CYB561D1 (2.8)
0.89	>=0.20	DOCK7 (2.5)	MYLIP (1.8)	OBP2B (1.7)
0.89	>=0.20	LPAR2 (2.9)	IZUMO1 (2.4)	ZRANB3 (2.0)
0.89	>=0.20	NCAN (2.3)	MYLIP (1.9)	C19orf80 (1.8)
0.89	>=0.20	PSMA5 (3.8)	UBXN4 (2.7)	SNX17 (2.5)
0.89	>=0.20	GSTM5 (2.4)	CYP26A1 (2.3)	LIPG (1.9)
0.89	>=0.20	CYB561D1 (2.1)	NCAN (2.1)	NUP93 (2.0)
0.89	>=0.20	C12orf43 (3.5)	DHX38 (3.0)	TXNL4B (2.9)
0.89	>=0.20	BUD13 (3.5)	ATXN7L2 (2.7)	GOT2P1 (2.6)
0.89	>=0.20	ENSG00000226806 (4	GMIP (2.2)	PBX4 (2.1)
0.89	>=0.20	AMIGO1 (2.4)	ENSG00000244861 (2	CYP26A1 (2.3)
0.89	>=0.20	OBP2B (2.0)	EHBP1 (1.9)	OTX1 (1.9)
0.89	>=0.20	USP1 (4.3)	GNAI3 (2.7)	COL4A3BP (2.3)
0.89	>=0.20	ZHX3 (2.9)	GPAM (2.6)	TOP1 (2.2)
0.89	>=0.20	PLCG1 (2.6)	ENSG00000226806 (2	PBX4 (2.5)
0.89	>=0.20	ENSG00000236436 (3	TSSK6 (2.4)	LPA (2.2)
0.89	>=0.20	CELSR2 (3.2)	R3HDM1 (2.4)	ZHX3 (2.2)
0.89	>=0.20	C11orf9 (3.2)	ENSG00000226806 (2	HAPLN4 (2.6)
0.89	>=0.20	C11orf9 (3.2)	ENSG00000226806 (2	HAPLN4 (2.6)
0.89	>=0.20	RASIP1 (3.2)	NYNRIN (2.3)	DOCK6 (2.2)
0.89	>=0.20	MAMSTR (3.6)	TRIM54 (2.3)	FGF21 (2.2)
0.89	>=0.20	DOCK7 (3.1)	USP24 (3.0)	IST1 (2.5)
0.89	>=0.20	CYB561D1 (3.3)	SORT1 (2.6)	UBXN4 (2.4)

0.89	>=0.20	ZNF259 (3.6)	DHODH (3.3)	C12orf43 (3.0)
0.89	>=0.20	MAMSTR (3.1)	CYB561D1 (1.9)	TRAM2 (1.9)
0.89	>=0.20	TSSK6 (2.7)	C11orf9 (2.1)	PSRC1 (2.1)
0.89	>=0.20	GOT2P1 (3.4)	NCAN (3.3)	ENSG00000182329 (3
0.89	>=0.20	PSRC1 (4.3)	POC5 (4.1)	ZRANB3 (3.1)
0.89	>=0.20	PSRC1 (3.4)	POC5 (2.8)	FEN1 (2.8)
0.89	>=0.20	PSRC1 (3.4)	POC5 (2.8)	FEN1 (2.8)
0.89	>=0.20	HAPLN4 (3.1)	CELSR2 (2.0)	AMIGO1 (1.9)
0.89	>=0.20	RASIP1 (2.5)	DOCK6 (1.8)	ATXN1L (1.8)
0.89	>=0.20	RASIP1 (2.5)	DOCK6 (1.8)	ATXN1L (1.8)
0.89	>=0.20	HAPLN4 (3.2)	NCAN (2.3)	ENSG00000256731 (2
0.89	>=0.20	GNAI3 (4.3)	TBKBP1 (3.0)	ZNF821 (2.8)
0.9	>=0.20	OTX1 (3.6)	C11orf9 (2.5)	ENSG00000231204 (2
0.9	>=0.20	CILP2 (3.5)	ABCA6 (2.3)	MAMSTR (1.8)
0.9	>=0.20	ZHX3 (2.5)	OTX1 (2.4)	MAU2 (2.3)
0.9	>=0.20	DARS (3.5)	UBXN4 (3.3)	NOP58 (3.1)
0.9	>=0.20	RP1 (3.5)	GPR61 (2.5)	SORT1 (2.4)
0.9	>=0.20	OASL (3.2)	DNAH11 (3.2)	PARP10 (2.9)
0.9	>=0.20	GMIP (3.1)	RAB3GAP1 (2.5)	PLCG1 (2.5)
0.9	>=0.20	TRIM54 (8.4)	SYPL2 (7.4)	MAMSTR (3.0)
0.9	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.9)
0.9	>=0.20	RAB3GAP1 (2.9)	SARS (2.9)	NRBP1 (2.6)
0.9	>=0.20	R3HDM1 (2.9)	BUD13 (2.2)	TOP1 (2.2)
0.9	>=0.20	IFT172 (2.5)	DOCK7 (2.4)	ENSG00000244861 (2
0.9	>=0.20	R3HDM1 (3.6)	IFT172 (3.3)	BMPR2 (2.6)
0.9	>=0.20	NCAN (2.5)	APOC1 (2.0)	DARS (2.0)
0.9	>=0.20	COL4A3BP (2.2)	HAPLN4 (2.1)	GSTM5 (2.1)
0.9	>=0.20	MAMSTR (3.4)	SORT1 (2.8)	FGF21 (2.6)
0.9	>=0.20	GRINA (2.2)	NFE2L3 (2.1)	PBX4 (2.1)
0.9	>=0.20	PVRL2 (2.7)	ATXN1L (2.6)	GNAI3 (2.5)
0.9	>=0.20	GNAI3 (5.0)	SLC44A2 (2.9)	COL4A3BP (2.6)
0.9	>=0.20	SLC44A2 (2.7)	PBX4 (2.2)	CYB561D1 (2.2)
0.9	>=0.20	DARS (3.0)	PPM1G (3.0)	UBXN4 (2.7)
0.9	>=0.20	R3HDM1 (3.4)	HNF1A (2.7)	ZHX3 (2.5)
0.9	>=0.20	ENSG00000244861 (3	C17orf57 (2.2)	PBX4 (2.2)
0.9	>=0.20	KANK2 (3.4)	SYPL2 (2.6)	PLEC (2.6)
0.9	>=0.20	TRIM54 (3.2)	ENSG00000226648 (2	SYPL2 (2.2)
0.9	>=0.20	TRIM54 (3.2)	ENSG00000226648 (2	SYPL2 (2.2)
0.9	>=0.20	DOCK7 (2.8)	APOE (2.4)	ZHX3 (2.2)
0.9	>=0.20	CILP2 (4.3)	AMPD2 (2.4)	C19orf52 (2.2)
0.9	>=0.20	OTX1 (3.3)	NCAN (2.5)	SLC22A3 (2.3)
0.9	>=0.20	NFE2L3 (2.2)	PBX4 (2.1)	GRINA (2.1)
0.9	>=0.20	NYNRIN (2.9)	LPAR2 (2.2)	GDF5 (2.1)
0.9	>=0.20	TRIM54 (2.5)	GSTM5 (2.1)	PLEC (2.1)
0.9	>=0.20	RP1 (4.1)	CETP (2.9)	GNAT2 (2.6)
0.9	>=0.20	SUMO1 (2.5)	C19orf52 (2.3)	TBKBP1 (2.1)
0.9	>=0.20	GMIP (3.4)	RELB (3.2)	PLEC (2.7)
0.9	>=0.20	OTX1 (3.9)	EHBP1 (2.0)	OBP2B (1.8)
0.9	>=0.20	CEP250 (2.3)	SUGP1 (2.3)	MAU2 (2.2)
0.9	>=0.20	KRTCAP3 (3.8)	ATXN1L (2.2)	LPAR2 (2.1)

0.9	>=0.20	PSRC1 (5.8)	FEN1 (4.4)	ZRANB3 (3.9)
0.9	>=0.20	GNAT2 (4.0)	RP1 (3.1)	RASIP1 (2.3)
0.9	>=0.20	FER1L4 (2.9)	NCAN (2.7)	C11orf9 (2.0)
0.9	>=0.20	MAP3K4 (4.3)	CARM1 (2.9)	TOP1 (2.4)
0.9	>=0.20	NCAN (4.1)	OTX1 (3.7)	EHBP1 (3.4)
0.9	>=0.20	ZNF259 (4.7)	NOP58 (3.8)	UBXN4 (3.7)
0.9	>=0.20	C19orf52 (1.9)	IFT172 (1.6)	ABO (1.3)
0.9	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.8)
0.9	>=0.20	PARP10 (2.8)	CEP250 (2.0)	ABCA6 (1.9)
0.9	>=0.20	ABCA5 (2.3)	ENSG00000236436 (2	EHBP1 (2.3)
0.9	>=0.20	PSMA5 (3.1)	GNAI3 (2.5)	GOT2P1 (2.4)
0.9	>=0.20	DHODH (3.8)	IFT172 (2.2)	SARS (2.1)
0.9	>=0.20	TRIM54 (8.6)	SYPL2 (6.1)	IGF2R (1.6)
0.9	>=0.20	COL4A3BP (2.9)	SORT1 (2.7)	CLPTM1 (2.6)
0.9	>=0.20	SARS (3.5)	SNX17 (3.2)	COL4A3BP (3.0)
0.9	>=0.20	ENSG00000244861 (3	ZNF513 (2.5)	TRIB1 (2.1)
0.9	>=0.20	PSRC1 (6.1)	FEN1 (3.6)	POC5 (3.0)
0.9	>=0.20	OASL (2.9)	PSMA5 (2.7)	BUD13 (2.5)
0.9	>=0.20	RP1 (3.2)	ERGIC3 (1.9)	CARM1 (1.9)
0.9	>=0.20	ZNF821 (3.1)	MAP3K4 (2.5)	NPEPPS (2.3)
0.9	>=0.20	POC5 (3.3)	POLK (3.2)	IFT172 (3.1)
0.9	>=0.20	KRTCAP3 (2.8)	GSTM5 (2.4)	LPAR2 (2.4)
0.9	>=0.20	TSSK6 (6.1)	SPATC1 (3.5)	IZUMO1 (2.9)
0.9	>=0.20	HAPLN4 (3.1)	CELSR2 (2.5)	APOE (2.2)
0.9	>=0.20	PSRC1 (5.9)	FEN1 (4.4)	MCM6 (3.7)
0.9	>=0.20	C11orf9 (2.9)	ZHX3 (2.7)	R3HDM1 (2.4)
0.9	>=0.20	GATAD2A (3.2)	ATXN1L (2.0)	C17orf57 (1.7)
0.9	>=0.20	GSTM5 (3.4)	AMIGO1 (2.9)	ENSG00000182329 (2
0.9	>=0.20	CBLC (3.8)	PLEC (3.6)	GNAI3 (2.1)
0.9	>=0.20	PSRC1 (6.2)	FEN1 (3.6)	MCM6 (2.9)
0.9	>=0.20	ENSG00000254235 (2	NCAN (2.3)	CELSR2 (1.7)
0.9	>=0.20	C17orf57 (2.9)	DNAH11 (2.4)	GMIP (2.1)
0.9	>=0.20	ZNF821 (2.5)	NPEPPS (2.4)	KRTCAP3 (2.3)
0.9	>=0.20	TRIM54 (8.1)	SYPL2 (7.4)	MAMSTR (3.3)
0.9	>=0.20	ENSG00000231204 (3	GPR61 (2.4)	OBP2B (2.3)
0.9	>=0.20	SLC44A2 (3.7)	NCAN (3.1)	GRINA (1.8)
0.9	>=0.20	KRTCAP3 (3.6)	LPIN3 (2.2)	GNAT2 (2.2)
0.9	>=0.20	ZRANB3 (3.7)	PSRC1 (2.6)	CEP250 (2.5)
0.9	>=0.20	UBXN4 (4.0)	SNX17 (2.9)	PSMA5 (2.6)
0.9	>=0.20	YIPF2 (4.9)	UBXN4 (2.8)	IFT172 (2.6)
0.9	>=0.20	GNAT2 (2.8)	RP1 (2.6)	ENSG00000236267 (2
0.9	>=0.20	DHODH (3.7)	ZNF259 (3.0)	C12orf43 (2.9)
0.9	>=0.20	LCT (5.1)	APOA4 (4.1)	ABCG5 (3.9)
0.9	>=0.20	FER1L4 (3.1)	NCAN (2.4)	GOT2P1 (2.0)
0.9	>=0.20	YSK4 (5.5)	DNAH11 (5.2)	ENSG00000182329 (4
0.9	>=0.20	BUD13 (2.9)	TOP1 (2.7)	SUGP1 (2.4)
0.9	>=0.20	ABCA5 (3.6)	FUT1 (2.6)	SARS (2.3)
0.9	>=0.20	KANK2 (4.7)	PVRL2 (2.4)	SORT1 (2.0)
0.9	>=0.20	PLCG1 (2.7)	NRBP1 (1.8)	COL4A3BP (1.7)
0.9	>=0.20	RASIP1 (3.1)	DOCK6 (3.1)	PLEC (2.3)

0.9	>=0.20	SMARCA4 (2.4)	GNAI3 (2.3)	PPM1G (2.1)
0.9	>=0.20	BUD13 (2.5)	ZRANB3 (2.4)	AMIGO1 (2.1)
0.9	>=0.20	BUD13 (2.5)	ZRANB3 (2.4)	AMIGO1 (2.1)
0.9	>=0.20	ZNF259 (3.7)	C12orf43 (2.6)	ENSG00000226645 (1
0.9	>=0.20	BUD13 (3.5)	C12orf43 (3.0)	ATXN7L2 (2.7)
0.9	>=0.20	ZRANB3 (3.7)	TXNL4B (3.3)	POLK (3.0)
0.9	>=0.20	ATXN7L2 (3.0)	R3HDM1 (2.7)	ZNF513 (2.7)
0.9	>=0.20	GMIP (2.9)	POLK (2.5)	KRTCAP3 (2.0)
0.9	>=0.20	ENSG00000231204 (2	HNF1A (2.6)	R3HDM1 (2.2)
0.9	>=0.20	USP1 (2.7)	SMARCA4 (2.6)	PCSK9 (2.1)
0.9	>=0.20	IST1 (3.9)	USP1 (2.8)	BUD13 (2.7)
0.9	>=0.20	IFT172 (2.6)	MAP3K4 (2.4)	PLCG1 (2.0)
0.9	>=0.20	MCM6 (5.8)	USP1 (5.0)	FEN1 (4.8)
0.9	>=0.20	GATAD2A (3.0)	HAPLN4 (2.7)	GMIP (2.3)
0.9	>=0.20	SYPL2 (4.4)	TRIM54 (4.3)	ABO (2.2)
0.9	>=0.20	YSK4 (2.7)	HAPLN4 (2.6)	RP1 (2.2)
0.9	>=0.20	C11orf9 (3.2)	PVR (2.4)	BCAM (2.0)
0.9	>=0.20	C11orf9 (3.2)	PVR (2.4)	BCAM (2.0)
0.9	>=0.20	ATXN1L (3.9)	IST1 (3.2)	POLK (2.0)
0.9	>=0.20	YSK4 (5.7)	DNAH11 (3.5)	IFT172 (3.4)
0.9	>=0.20	PSRC1 (2.9)	POC5 (2.7)	MCM6 (2.6)
0.9	>=0.20	USP1 (2.7)	YIPF2 (2.1)	PSRC1 (1.9)
0.9	>=0.20	SPATC1 (2.4)	AMPD2 (2.3)	AMIGO1 (2.2)
0.9	>=0.20	SPATC1 (1.9)	ENSG00000236267 (1	ENSG00000226622 (1
0.9	>=0.20	ABO (3.6)	GPR61 (3.2)	ENSG00000226806 (3
0.9	>=0.20	GNAI3 (2.3)	C11orf9 (2.3)	NFE2L3 (1.9)
0.9	>=0.20	USP24 (3.2)	AMPD2 (2.9)	GMIP (2.7)
0.9	>=0.20	ZRANB3 (1.6)	KRTCAP3 (1.6)	GOT2P1 (1.6)
0.91	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.8)
0.91	>=0.20	PSMA5 (2.6)	SUGP1 (2.5)	POC5 (2.5)
0.91	>=0.20	FEN1 (4.6)	USP1 (4.0)	MCM6 (3.8)
0.91	>=0.20	NOP58 (3.7)	DARS (3.0)	ZNF259 (3.0)
0.91	>=0.20	FER1L4 (2.6)	NCAN (2.4)	GOT2P1 (2.1)
0.91	>=0.20	PSRC1 (5.7)	FEN1 (4.4)	ZRANB3 (4.1)
0.91	>=0.20	SNX17 (4.0)	NRBP1 (3.7)	NPEPPS (2.3)
0.91	>=0.20	GNAT2 (4.5)	RP1 (4.0)	CYB561D1 (2.7)
0.91	>=0.20	ZNF259 (2.2)	YIPF2 (2.0)	GOT2P1 (1.9)
0.91	>=0.20	MAU2 (1.9)	GOT2P1 (1.9)	PSMA5 (1.8)
0.91	>=0.20	NCAN (2.5)	CELSR2 (2.4)	PLEC (2.3)
0.91	>=0.20	BMPR2 (2.3)	KPNB1 (1.8)	PGS1 (1.7)
0.91	>=0.20	ENSG00000244861 (3	C17orf57 (2.8)	LCT (2.2)
0.91	>=0.20	PBX4 (2.5)	TIMD4 (2.2)	PLCG1 (2.2)
0.91	>=0.20	USP1 (2.9)	FEN1 (2.9)	ZRANB3 (2.7)
0.91	>=0.20	C11orf9 (3.0)	HAPLN4 (2.8)	ENSG00000226806 (2
0.91	>=0.20	APOE (1.8)	ENSG00000231204 (1	ATXN1L (1.8)
0.91	>=0.20	HAVCR1 (4.1)	SLC22A2 (3.6)	ENSG00000236436 (3
0.91	>=0.20	PVR (2.7)	NYNRIN (2.6)	CILP2 (2.4)
0.91	>=0.20	NOP58 (2.6)	DARS (2.0)	SARS (1.9)
0.91	>=0.20	YSK4 (2.2)	OTX1 (1.9)	ZNF821 (1.5)
0.91	>=0.20	SORT1 (2.9)	OTX1 (2.6)	NCAN (2.5)

0.91	>=0.20	ATXN7L2 (2.3)	HNF1A (2.2)	SNX17 (2.2)
0.91	>=0.20	ENSG00000236436 (3	ENSG00000228044 (2	FNDC4 (1.9)
0.91	>=0.20	DARS (2.5)	TOP1 (2.5)	USP1 (2.0)
0.91	>=0.20	MCM6 (4.6)	ZRANB3 (4.5)	FEN1 (4.3)
0.91	>=0.20	GOT2P1 (2.7)	ENSG00000182329 (2	GSTM4 (1.7)
0.91	>=0.20	GOT2P1 (2.7)	ENSG00000182329 (2	GSTM4 (1.7)
0.91	>=0.20	ENSG00000254235 (2	AMPD2 (2.0)	LCT (2.0)
0.91	>=0.20	LPAR2 (2.9)	ZNF513 (2.8)	CYB561D1 (2.4)
0.91	>=0.20	MAMSTR (3.2)	EHBP1 (2.9)	ENSG00000226648 (2
0.91	>=0.20	ZRANB3 (3.5)	MCM6 (3.0)	CEP250 (3.0)
0.91	>=0.20	SUMO1 (3.1)	R3HDM1 (2.6)	ZRANB3 (2.2)
0.91	>=0.20	NCAN (3.0)	CELSR2 (2.8)	APOE (2.2)
0.91	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.8)
0.91	>=0.20	IGF2R (3.0)	COL4A3BP (2.8)	CYB561D1 (1.8)
0.91	>=0.20	ATXN7L2 (2.4)	SNX17 (2.2)	C17orf57 (2.1)
0.91	>=0.20	ENSG00000182329 (2	LCT (2.4)	C17orf57 (2.3)
0.91	>=0.20	POLK (3.4)	NFE2L3 (2.0)	ST3GAL4 (1.9)
0.91	>=0.20	ZNF821 (2.5)	ATXN7L2 (2.4)	CARM1 (1.8)
0.91	>=0.20	USP24 (4.1)	PPM1G (2.6)	COL4A3BP (2.6)
0.91	>=0.20	CYB561D1 (2.4)	FUT1 (2.4)	GSTM5 (2.0)
0.91	>=0.20	FER1L4 (3.3)	C12orf43 (2.3)	NCAN (2.0)
0.91	>=0.20	C12orf43 (3.0)	BUD13 (3.0)	NUP93 (2.4)
0.91	>=0.20	MAP3K4 (3.2)	GMIP (2.6)	USP24 (2.4)
0.91	>=0.20	CELSR2 (3.7)	POLK (2.6)	MAMSTR (1.8)
0.91	>=0.20	CLPTM1 (3.3)	PLEC (3.1)	NRBP1 (2.7)
0.91	>=0.20	CELSR2 (3.8)	R3HDM1 (2.9)	GRINA (2.8)
0.91	>=0.20	ABO (2.5)	ATXN7L2 (2.2)	SPATC1 (2.1)
0.91	>=0.20	OTX1 (3.0)	NCAN (2.8)	ZHX3 (2.1)
0.91	>=0.20	PBX4 (4.4)	RELB (4.4)	NFE2L3 (2.4)
0.91	>=0.20	PVRL2 (2.5)	GNAI3 (2.3)	PGS1 (2.3)
0.91	>=0.20	ENSG00000226648 (3	YSK4 (3.3)	ZNF821 (2.7)
0.91	>=0.20	GSTM5 (2.8)	NFE2L3 (2.4)	CELSR2 (2.4)
0.91	>=0.20	ERGIC3 (2.9)	C12orf43 (2.4)	NRBP1 (2.0)
0.91	>=0.20	RASIP1 (2.7)	DOCK6 (2.4)	PLCG1 (2.3)
0.91	>=0.20	POC5 (2.2)	GATAD2A (2.0)	SUGP1 (1.9)
0.91	>=0.20	ATXN7L2 (3.5)	ENSG00000235545 (2	ENSG00000236436 (2
0.91	>=0.20	POLK (3.4)	ZRANB3 (2.9)	HAVCR1 (2.5)
0.91	>=0.20	BMPR2 (2.7)	ZNF513 (2.6)	ENSG00000226806 (2
0.91	>=0.20	ZNF259 (4.3)	NOP58 (4.1)	TOMM40 (2.8)
0.91	>=0.20	KRTCAP3 (2.5)	ATP13A1 (2.4)	TRIM54 (2.2)
0.91	>=0.20	USP24 (3.2)	AMPD2 (2.6)	BUD13 (2.3)
0.91	>=0.20	PSMA5 (3.1)	POC5 (2.4)	PSRC1 (2.4)
0.91	>=0.20	DARS (3.0)	AMPD2 (2.7)	DHODH (2.6)
0.91	>=0.20	AMIGO1 (3.1)	GSTM5 (3.0)	ENSG00000182329 (2
0.91	>=0.20	CYB561D1 (2.6)	FUT1 (2.4)	OBP2B (2.0)
0.91	>=0.20	TRIB1 (3.7)	PVR (2.5)	ATXN1L (1.8)
0.91	>=0.20	RASIP1 (2.6)	AMIGO1 (2.5)	BCAM (2.0)
0.91	>=0.20	PARP10 (4.4)	OASL (2.6)	SLC22A2 (2.2)
0.91	>=0.20	RP1 (4.7)	AMPD2 (3.5)	YSK4 (2.4)
0.91	>=0.20	NOP58 (3.4)	DARS (2.7)	KPNB1 (2.7)

0.91	>=0.20	ERGIC3 (5.8)	ATP13A1 (3.0)	YIPF2 (2.7)
0.91	>=0.20	COL4A3BP (2.9)	ENSG00000226645 (2	TXNL4B (2.4)
0.91	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.7)
0.91	>=0.20	SARS (4.2)	R3HDM1 (2.5)	USP24 (2.5)
0.91	>=0.20	IZUMO1 (3.0)	CYB561D1 (2.6)	MAMSTR (2.0)
0.91	>=0.20	PBX4 (2.0)	FEN1 (1.8)	SUGP1 (1.7)
0.91	>=0.20	NYNRIN (4.1)	C11orf9 (3.5)	PVRL2 (2.8)
0.91	>=0.20	OTX1 (2.7)	ENSG00000236436 (2	KRTCAP3 (2.2)
0.91	>=0.20	OTX1 (4.5)	TSSK6 (2.5)	GOT2P1 (2.1)
0.91	>=0.20	ENSG00000226622 (3	SLC22A3 (2.9)	NCAN (2.5)
0.91	>=0.20	TBKBP1 (2.7)	LPAL2 (1.9)	GPR61 (1.8)
0.91	>=0.20	PARP10 (2.3)	RELB (2.2)	HAVCR1 (2.0)
0.91	>=0.20	PLEC (3.3)	KANK2 (3.2)	TRIM54 (2.7)
0.91	>=0.20	APOC1 (3.9)	C17orf57 (2.7)	RASIP1 (2.5)
0.91	>=0.20	HAPLN4 (3.8)	LPAL2 (2.7)	SLC22A3 (1.8)
0.91	>=0.20	EHBP1 (2.7)	GATAD2A (2.6)	PLCG1 (2.4)
0.91	>=0.20	ENSG00000226622 (2	GPR61 (2.5)	LPAL2 (2.3)
0.91	>=0.20	NFE2L3 (2.5)	PBX4 (1.8)	GPR61 (1.7)
0.91	>=0.20	IST1 (3.1)	NRBP1 (2.7)	KPNB1 (2.5)
0.91	>=0.20	ENSG00000236267 (2	PBX4 (1.7)	LPAL2 (1.6)
0.91	>=0.20	ENSG00000182329 (3	SLC22A1 (2.5)	ENSG00000231204 (2
0.91	>=0.20	PMFBP1 (2.2)	CARM1 (1.9)	LIPG (1.9)
0.91	>=0.20	TXNL4B (3.3)	BUD13 (2.9)	SUMO1 (2.9)
0.91	>=0.20	ZRANB3 (5.0)	FEN1 (3.8)	MCM6 (3.6)
0.91	>=0.20	GSTM4 (2.0)	ATXN1L (1.9)	ENSG00000226648 (1
0.91	>=0.20	TRIM54 (2.7)	PLEC (2.0)	TBKBP1 (1.9)
0.91	>=0.20	PLEC (3.1)	ENSG00000235545 (2	PVR (2.3)
0.91	>=0.20	IGF2R (2.5)	SARS (2.1)	ERGIC3 (2.1)
0.91	>=0.20	C11orf9 (2.4)	ABCA6 (2.3)	NFE2L3 (2.1)
0.91	>=0.20	ATXN7L2 (2.2)	MAMSTR (1.8)	DNAH11 (1.7)
0.92	>=0.20	HNF1A (1.7)	PSMA5 (1.3)	RAB3GAP1 (1.1)
0.92	>=0.20	HNF1A (1.7)	PSMA5 (1.3)	RAB3GAP1 (1.1)
0.92	>=0.20	MCM6 (3.8)	PSRC1 (3.1)	ZRANB3 (2.8)
0.92	>=0.20	MCM6 (3.8)	PSRC1 (3.1)	ZRANB3 (2.8)
0.92	>=0.20	LPAR2 (2.6)	PSRC1 (2.5)	PBX4 (2.4)
0.92	>=0.20	TRIM54 (6.5)	SYPL2 (4.9)	ENSG00000228044 (2
0.92	>=0.20	SARS (3.3)	RAB3GAP1 (3.2)	R3HDM1 (2.7)
0.92	>=0.20	PSRC1 (5.7)	FEN1 (4.6)	ZRANB3 (3.9)
0.92	>=0.20	BUD13 (3.0)	DARS (2.6)	TXNL4B (2.4)
0.92	>=0.20	R3HDM1 (3.7)	TXNL4B (3.5)	IST1 (2.7)
0.92	>=0.20	ATXN1L (3.9)	SUMO1 (2.4)	NPEPPS (2.3)
0.92	>=0.20	PGS1 (3.3)	CBLC (3.0)	FUT2 (2.6)
0.92	>=0.20	OTX1 (5.0)	EHBP1 (3.8)	DNAH11 (3.3)
0.92	>=0.20	SMARCA4 (2.7)	ENSG00000231204 (2	FEN1 (2.4)
0.92	>=0.20	SMARCA4 (2.7)	ENSG00000231204 (2	FEN1 (2.4)
0.92	>=0.20	SMARCA4 (2.7)	ENSG00000231204 (2	FEN1 (2.4)
0.92	>=0.20	HAPLN4 (3.2)	CELSR2 (2.5)	PCSK9 (2.4)
0.92	>=0.20	CELSR2 (2.6)	ABCA6 (2.6)	LPL (2.4)
0.92	>=0.20	PSMA5 (2.7)	TXNL4B (2.4)	GNAI3 (2.4)
0.92	>=0.20	NOP58 (2.7)	DARS (2.1)	GNAI3 (2.0)

0.92	>=0.20	PBX4 (2.3)	IZUMO1 (2.0)	GMIP (1.9)
0.92	>=0.20	ABCA5 (2.6)	SNX17 (2.6)	PSMA5 (2.3)
0.92	>=0.20	ENSG00000231204 (2	PMFBP1 (2.2)	AMIGO1 (2.1)
0.92	>=0.20	PSRC1 (3.4)	POC5 (3.2)	MAU2 (2.4)
0.92	>=0.20	CEP250 (2.9)	ENSG00000228044 (2	ZRANB3 (2.8)
0.92	>=0.20	NRBP1 (4.2)	COL4A3BP (3.4)	SNX17 (2.7)
0.92	>=0.20	OTX1 (3.7)	CYP26A1 (3.4)	EHBP1 (2.9)
0.92	>=0.20	BMPR2 (3.0)	GATAD2A (2.1)	ATXN1L (2.0)
0.92	>=0.20	PLCG1 (4.6)	ENSG00000226806 (3	RASIP1 (1.7)
0.92	>=0.20	USP24 (3.5)	COL4A3BP (3.5)	ZNF821 (2.6)
0.92	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.9)
0.92	>=0.20	PSMA5 (2.9)	TXNL4B (2.4)	BUD13 (2.4)
0.92	>=0.20	SMARCA4 (3.3)	IFT172 (3.1)	DOCK7 (3.1)
0.92	>=0.20	SYPL2 (3.0)	CELSR2 (2.6)	MAU2 (2.5)
0.92	>=0.20	R3HDM1 (4.1)	DNAH11 (2.4)	MAMSTR (2.3)
0.92	>=0.20	PSMA5 (3.0)	GNAI3 (2.9)	SNX17 (2.8)
0.92	>=0.20	GSTM5 (3.2)	ABCA6 (3.0)	TRIM54 (2.9)
0.92	>=0.20	TRIM54 (3.7)	SYPL2 (3.4)	KANK2 (3.4)
0.92	>=0.20	FER1L4 (3.2)	SORT1 (2.1)	CEP250 (2.0)
0.92	>=0.20	COL4A3BP (3.1)	R3HDM1 (2.7)	POLK (2.5)
0.92	>=0.20	FUT2 (3.9)	HNF1A (3.6)	IZUMO1 (3.0)
0.92	>=0.20	CYB561D1 (2.2)	MYLIP (2.1)	ENSG00000235545 (2
0.92	>=0.20	R3HDM1 (4.1)	BMPR2 (3.4)	GATAD2A (3.3)
0.92	>=0.20	FEN1 (2.3)	BUD13 (2.3)	GOT2P1 (2.3)
0.92	>=0.20	CILP2 (4.3)	GDF5 (3.4)	MAFB (3.2)
0.92	>=0.20	OASL (7.2)	PARP10 (2.4)	ENSG00000235545 (2
0.92	>=0.20	OASL (7.2)	PARP10 (2.4)	ENSG00000235545 (2
0.92	>=0.20	YSK4 (4.0)	C12orf43 (2.6)	ENSG00000256731 (2
0.92	>=0.20	NOP58 (3.8)	ZNF259 (3.6)	TOMM40 (3.2)
0.92	>=0.20	FEN1 (4.0)	MCM6 (3.8)	USP1 (3.4)
0.92	>=0.20	NOP58 (3.9)	ZNF259 (3.8)	TOMM40 (3.2)
0.92	>=0.20	NYNRIN (3.0)	ENSG00000236436 (2	TRIB1 (2.5)
0.92	>=0.20	NYNRIN (3.0)	ENSG00000236436 (2	TRIB1 (2.5)
0.92	>=0.20	TSSK6 (2.6)	COL4A3BP (2.0)	ATXN7L2 (2.0)
0.92	>=0.20	ERGIC3 (5.3)	ATP13A1 (3.3)	CLPTM1 (2.3)
0.92	>=0.20	PSRC1 (4.3)	POC5 (3.8)	ZRANB3 (3.2)
0.92	>=0.20	GMIP (3.6)	LPAR2 (3.1)	ENSG00000244861 (3
0.92	>=0.20	PLCG1 (2.9)	ENSG00000226806 (2	APOE (2.4)
0.92	>=0.20	ERGIC3 (3.1)	TXNL4B (2.6)	IST1 (2.5)
0.92	>=0.20	C12orf43 (2.9)	IFT172 (2.6)	SUGP1 (2.4)
0.92	>=0.20	PSRC1 (6.0)	FEN1 (4.4)	MCM6 (3.8)
0.92	>=0.20	UBXN4 (3.9)	SNX17 (3.1)	PSMA5 (2.6)
0.92	>=0.20	ZNF259 (4.7)	TOMM40 (3.4)	NOP58 (2.9)
0.92	>=0.20	USP24 (3.6)	RAB3GAP1 (2.9)	NRBP1 (2.6)
0.92	>=0.20	YIPF2 (4.4)	CYB561D1 (2.6)	ERGIC3 (2.4)
0.92	>=0.20	RELB (4.4)	PLCG1 (3.5)	GMIP (3.0)
0.92	>=0.20	ATXN1L (2.8)	CEP250 (2.7)	TXNL4B (2.4)
0.92	>=0.20	GDF5 (2.7)	COL4A3BP (2.5)	TBKBP1 (2.3)
0.92	>=0.20	ENSG00000231204 (2	ENSG00000226648 (2	AMPD2 (2.2)
0.92	>=0.20	NUP93 (3.8)	DHX38 (3.3)	SUGP1 (3.3)

0.92 >=0.20	USP24 (4.5)	NPEPPS (2.9)	COL4A3BP (2.8)
0.92 >=0.20	BUD13 (2.7)	SPATC1 (2.3)	NCAN (2.0)
0.92 >=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.8)
0.92 >=0.20	CARM1 (3.9)	SMARCA4 (2.3)	PLCG1 (2.1)
0.92 >=0.20	RELB (3.6)	GATAD2A (3.0)	GMIP (2.8)
0.92 >=0.20	GMIP (2.5)	C17orf57 (2.4)	RAB3GAP1 (2.2)
0.92 >=0.20	FER1L4 (3.9)	ABO (2.9)	FUT2 (2.2)
0.92 >=0.20	CELSR2 (2.5)	NCAN (2.3)	R3HDM1 (2.2)
0.92 >=0.20	TRIB1 (2.8)	GNAT2 (2.6)	CELSR2 (2.0)
0.92 >=0.20	NPEPPS (2.6)	ABCA5 (2.3)	GRINA (2.3)
0.92 >=0.20	ZNF513 (2.5)	CETP (2.4)	SNX17 (2.3)
0.92 >=0.20	RASIP1 (2.9)	FNDC4 (2.7)	PVR (2.6)
0.92 >=0.20	IST1 (2.8)	PGS1 (2.6)	ST3GAL4 (2.4)
0.92 >=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.8)
0.92 >=0.20	SUMO1 (2.9)	ATXN7L2 (2.9)	NPEPPS (2.5)
0.92 >=0.20	ABO (2.7)	MAP3K4 (2.2)	POC5 (2.1)
0.92 >=0.20	KANK2 (3.0)	PVRL2 (2.6)	GMIP (2.6)
0.92 >=0.20	PSRC1 (5.6)	FEN1 (4.0)	ZRANB3 (3.8)
0.92 >=0.20	GOT2P1 (3.0)	CARM1 (2.8)	LDLR (2.5)
0.92 >=0.20	PSRC1 (5.9)	FEN1 (4.4)	ZRANB3 (3.9)
0.92 >=0.20	SYPL2 (2.1)	HAVCR1 (2.0)	GOT2P1 (2.0)
0.92 >=0.20	PSRC1 (5.2)	FEN1 (2.9)	MCM6 (2.8)
0.92 >=0.20	SLC22A3 (2.1)	POLK (2.0)	ENSG00000236436 (2
0.92 >=0.20	NCAN (4.1)	OTX1 (3.7)	EHBP1 (2.9)
0.92 >=0.20	PARP10 (4.2)	TOMM40 (2.5)	RELB (2.4)
0.92 >=0.20	GRINA (2.9)	NPEPPS (2.2)	ABCA5 (2.1)
0.92 >=0.20	COL4A3BP (3.0)	SORT1 (2.6)	ENSG00000226645 (2
0.92 >=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.9)
0.92 >=0.20	TOP1 (2.5)	MAU2 (2.4)	PLCG1 (2.3)
0.92 >=0.20	OBP2B (2.2)	PVR (1.6)	ABO (1.6)
0.92 >=0.20	ATXN1L (2.8)	AMPD2 (2.1)	NOP58 (1.7)
0.92 >=0.20	YIPF2 (4.9)	UBXN4 (3.3)	C19orf52 (2.8)
0.92 >=0.20	GPR61 (2.7)	ENSG00000231204 (2	AMPD2 (2.0)
0.92 >=0.20	YIPF2 (5.4)	IFT172 (3.0)	UBXN4 (2.5)
0.92 >=0.20	GSTM4 (2.8)	EHBP1 (2.1)	DNAH11 (2.1)
0.92 >=0.20	ZNF513 (2.3)	GMIP (2.2)	C17orf57 (2.2)
0.92 >=0.20	BMPR2 (2.8)	FUT1 (2.3)	PVR (2.3)
0.92 >=0.20	CYB561D1 (2.6)	ERGIC3 (2.4)	CLPTM1 (2.4)
0.92 >=0.20	UBXN4 (3.7)	NRBP1 (2.4)	USP24 (2.3)
0.92 >=0.20	FEN1 (6.0)	MCM6 (5.8)	USP1 (4.0)
0.92 >=0.20	TXNL4B (3.7)	ZNF513 (3.1)	BUD13 (2.3)
0.92 >=0.20	ZNF821 (2.9)	MCM6 (2.5)	MAP3K4 (2.4)
0.92 >=0.20	GMIP (2.7)	ABO (2.3)	BUD13 (2.1)
0.92 >=0.20	COL4A3BP (2.9)	GATAD2A (2.9)	ATXN1L (2.5)
0.92 >=0.20	BUD13 (2.7)	DHX38 (2.5)	RAB3GAP1 (2.2)
0.92 >=0.20	PSRC1 (5.8)	FEN1 (4.5)	ZRANB3 (3.8)
0.92 >=0.20	TRIM54 (3.0)	ENSG00000254235 (2	TSSK6 (2.1)
0.92 >=0.20	PBX4 (2.5)	ABCA6 (2.3)	LPAL2 (2.1)
0.92 >=0.20	OASL (3.8)	CARM1 (2.1)	GRINA (2.1)
0.92 >=0.20	ENSG00000231204 (2	GPR61 (2.3)	PMFBP1 (1.9)

0.93	>=0.20	SMARCA4 (3.8)	HAVCR1 (3.2)	ATP13A1 (2.3)
0.93	>=0.20	ERGIC3 (2.7)	SNX17 (2.4)	SARS (2.3)
0.93	>=0.20	C11orf9 (3.5)	NFE2L3 (2.2)	CYB561D1 (2.0)
0.93	>=0.20	SUMO1 (2.8)	MAU2 (2.8)	ABO (2.0)
0.93	>=0.20	GNAI3 (4.7)	NRBP1 (3.4)	FNDC4 (2.7)
0.93	>=0.20	IST1 (2.6)	ENSG00000182329 (2	GOT2P1 (2.4)
0.93	>=0.20	FER1L4 (3.5)	NCAN (2.5)	SORT1 (2.1)
0.93	>=0.20	OASL (4.3)	PARP10 (4.0)	IZUMO1 (2.0)
0.93	>=0.20	MAMSTR (4.3)	ABO (3.4)	GSTM5 (3.0)
0.93	>=0.20	OTX1 (2.9)	LPAL2 (1.7)	C17orf57 (1.6)
0.93	>=0.20	BMPR2 (3.6)	ZNF821 (2.2)	ENSG00000226806 (2
0.93	>=0.20	GRINA (3.4)	BCAM (3.0)	EHBP1 (2.2)
0.93	>=0.20	TXNL4B (2.6)	BUD13 (2.1)	IST1 (2.1)
0.93	>=0.20	UBXN4 (3.7)	USP24 (2.4)	NRBP1 (2.4)
0.93	>=0.20	SYPL2 (4.1)	TRIM54 (3.3)	MAMSTR (2.6)
0.93	>=0.20	AMIGO1 (2.9)	GPR61 (2.0)	ENSG00000236267 (1
0.93	>=0.20	CYP26A1 (3.2)	OTX1 (3.0)	FUT2 (2.9)
0.93	>=0.20	SMARCA4 (2.3)	BUD13 (2.2)	PPM1G (2.1)
0.93	>=0.20	SYPL2 (4.3)	TRIM54 (3.5)	MAMSTR (2.3)
0.93	>=0.20	SYPL2 (3.6)	SMARCA4 (3.2)	IST1 (2.8)
0.93	>=0.20	ZRANB3 (3.6)	PSRC1 (2.7)	POC5 (2.5)
0.93	>=0.20	GMIP (2.6)	PLEC (2.6)	PBX4 (2.6)
0.93	>=0.20	ZRANB3 (4.0)	MCM6 (3.4)	USP1 (3.2)
0.93	>=0.20	HAVCR1 (2.3)	GNAI3 (1.7)	C11orf9 (1.7)
0.93	>=0.20	ATXN7L2 (2.7)	YIPF2 (2.4)	MAMSTR (2.3)
0.93	>=0.20	NCAN (3.0)	SORT1 (2.5)	CELSR2 (2.1)
0.93	>=0.20	POC5 (2.9)	DHX38 (2.5)	ENSG00000244861 (2
0.93	>=0.20	FEN1 (5.1)	MCM6 (5.1)	USP1 (4.9)
0.93	>=0.20	YIPF2 (3.9)	ATP13A1 (2.3)	ERGIC3 (2.2)
0.93	>=0.20	NCAN (3.5)	LPAR2 (2.3)	NYNRIN (2.2)
0.93	>=0.20	ZNF513 (2.8)	BUD13 (2.2)	POC5 (2.1)
0.93	>=0.20	DARS (2.1)	GDF5 (2.1)	DHODH (2.0)
0.93	>=0.20	GPR61 (2.6)	ENSG00000182329 (2	SYPL2 (2.3)
0.93	>=0.20	FEN1 (3.9)	ZRANB3 (3.7)	MCM6 (3.4)
0.93	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	ZRANB3 (3.9)
0.93	>=0.20	YIPF2 (3.6)	UBXN4 (3.3)	SUGP1 (3.1)
0.93	>=0.20	OTX1 (3.2)	NCAN (2.2)	CELSR2 (2.1)
0.93	>=0.20	ENSG00000226806 (4	YIPF2 (2.3)	ENSG00000228044 (1
0.93	>=0.20	ZRANB3 (2.3)	POC5 (2.2)	PSRC1 (2.2)
0.93	>=0.20	HNF1A (1.7)	MAU2 (1.4)	HAVCR1 (1.1)
0.93	>=0.20	ENSG00000231204 (2	FUT1 (2.2)	LPIN3 (2.0)
0.93	>=0.20	LCT (2.3)	AMPD2 (2.1)	ABCG8 (1.9)
0.93	>=0.20	YSK4 (2.9)	ENSG00000244861 (2	ZNF259 (2.0)
0.93	>=0.20	APOE (3.2)	C11orf9 (2.9)	APOC1 (2.5)
0.93	>=0.20	ENSG00000231204 (3	OBP2B (2.5)	GPR61 (2.5)
0.93	>=0.20	SUMO1 (3.0)	SMARCA4 (2.8)	BUD13 (2.7)
0.93	>=0.20	ENSG00000231204 (2	OBP2B (2.5)	GPR61 (2.4)
0.93	>=0.20	BUD13 (2.7)	USP24 (2.7)	SUGP1 (2.7)
0.93	>=0.20	TRIM54 (2.8)	SYPL2 (2.5)	NCAN (2.3)
0.93	>=0.20	IZUMO1 (3.0)	TSSK6 (2.4)	SPATC1 (2.4)

0.93	>=0.20	FGF21 (3.2)	FUT2 (2.9)	HAPLN4 (2.4)
0.93	>=0.20	PLCG1 (3.0)	ENSG00000226806 (2	APOE (2.2)
0.93	>=0.20	PLCG1 (5.1)	ENSG00000226806 (4	GMIP (3.7)
0.93	>=0.20	PBX4 (3.6)	PGS1 (2.4)	SPATC1 (2.1)
0.93	>=0.20	SLC22A3 (2.8)	ENSG00000256731 (2	NFE2L3 (2.2)
0.93	>=0.20	PSMA5 (2.9)	GNAI3 (2.7)	TXNL4B (2.4)
0.93	>=0.20	LCT (2.3)	HAPLN4 (2.1)	RP1 (1.7)
0.93	>=0.20	SPATC1 (2.7)	TSSK6 (2.4)	IZUMO1 (2.2)
0.93	>=0.20	ENSG00000182329 (2	GPR61 (2.5)	SYPL2 (2.2)
0.93	>=0.20	LPIN3 (2.5)	CYP26A1 (2.4)	ENSG00000244861 (1
0.93	>=0.20	RAB3GAP1 (2.9)	TOP1 (2.3)	GATAD2A (2.1)
0.93	>=0.20	FUT1 (1.8)	CILP2 (1.7)	ABCA1 (1.7)
0.93	>=0.20	C17orf57 (2.5)	ABO (2.1)	C11orf9 (2.0)
0.93	>=0.20	APOE (3.3)	ENSG00000228044 (2	PSMA5 (1.9)
0.93	>=0.20	ENSG00000182329 (3	NPEPPS (2.4)	SORT1 (2.3)
0.93	>=0.20	ZNF821 (3.5)	USP24 (3.3)	EHBP1 (3.2)
0.93	>=0.20	TRIM54 (3.1)	R3HDM1 (2.1)	CYB561D1 (2.0)
0.93	>=0.20	BMPR2 (2.9)	DOCK7 (2.6)	LPL (2.4)
0.93	>=0.20	PSRC1 (5.9)	FEN1 (4.4)	ZRANB3 (3.8)
0.93	>=0.20	GNAI3 (4.6)	C12orf43 (3.4)	FNDC4 (3.0)
0.93	>=0.20	GNAI3 (4.6)	C12orf43 (3.4)	FNDC4 (3.0)
0.93	>=0.20	CEP250 (3.1)	ZRANB3 (2.5)	BUD13 (2.0)
0.93	>=0.20	GMIP (3.4)	RASIP1 (2.0)	PGS1 (1.7)
0.93	>=0.20	CLPTM1 (2.9)	NRBP1 (2.6)	GNAI3 (2.6)
0.93	>=0.20	PSRC1 (5.8)	FEN1 (4.5)	ZRANB3 (3.8)
0.93	>=0.20	PSRC1 (5.8)	FEN1 (4.5)	ZRANB3 (3.8)
0.93	>=0.20	IGF2R (3.0)	ATP13A1 (2.9)	ABCA6 (2.3)
0.93	>=0.20	ZRANB3 (3.2)	SUGP1 (2.7)	CEP250 (2.3)
0.93	>=0.20	FUT2 (2.7)	PMFBP1 (2.6)	IZUMO1 (2.4)
0.93	>=0.20	KPNB1 (2.6)	PMFBP1 (2.6)	SARS (2.2)
0.93	>=0.20	NCAN (3.3)	PLEC (2.4)	SLC22A2 (2.0)
0.93	>=0.20	SMARCA4 (2.9)	PPM1G (2.8)	BUD13 (2.3)
0.93	>=0.20	PVR (2.5)	GATAD2A (2.2)	PLCG1 (2.2)
0.93	>=0.20	OTX1 (4.5)	NCAN (3.5)	EHBP1 (3.1)
0.93	>=0.20	PBX4 (3.7)	PGS1 (1.9)	DNAH11 (1.8)
0.93	>=0.20	ZNF259 (2.6)	IZUMO1 (2.6)	TXNL4B (2.3)
0.93	>=0.20	GNAT2 (2.9)	IST1 (2.9)	SUMO1 (2.8)
0.93	>=0.20	TOP1 (3.3)	BUD13 (3.3)	NOP58 (3.1)
0.93	>=0.20	PSRC1 (6.0)	FEN1 (4.4)	ZRANB3 (3.8)
0.93	>=0.20	SUMO1 (3.4)	USP24 (3.2)	NPEPPS (2.9)
0.93	>=0.20	SLC22A3 (2.9)	DNAH11 (2.7)	SPATC1 (2.6)
0.93	>=0.20	PVR (2.5)	PLEC (1.9)	TRIM54 (1.8)
0.93	>=0.20	ENSG00000256731 (4	CYB561D1 (3.6)	GSTM5 (3.0)
0.93	>=0.20	C11orf9 (4.8)	PCSK9 (2.9)	HNF4A (2.8)
0.93	>=0.20	HAPLN4 (2.7)	ENSG00000226645 (2	SLC22A2 (2.4)
0.93	>=0.20	CYP26A1 (3.2)	MYLIP (2.7)	OTX1 (2.5)
0.93	>=0.20	SLC22A2 (3.0)	LIPG (3.0)	HNF1A (2.3)
0.93	>=0.20	ENSG00000231204 (2	OBP2B (2.4)	GPR61 (2.3)
0.93	>=0.20	C12orf43 (3.4)	ZNF259 (2.4)	ZNF513 (2.3)
0.93	>=0.20	PVRL2 (3.2)	C11orf9 (2.8)	OTX1 (2.5)

0.93	>=0.20	CYP26A1 (4.1)	HAVCR1 (2.3)	ENSG00000244861 (1
0.93	>=0.20	BUD13 (3.0)	TXNL4B (3.0)	SMARCA4 (2.2)
0.93	>=0.20	FUT2 (7.2)	IZUMO1 (4.7)	ENSG00000226622 (3
0.93	>=0.20	GNAT2 (2.5)	RP1 (2.4)	MCM6 (2.4)
0.93	>=0.20	TXNL4B (2.9)	MAP3K4 (2.6)	SUGP1 (2.6)
0.93	>=0.20	NCAN (2.7)	FER1L4 (2.5)	ABCA5 (2.3)
0.93	>=0.20	PSRC1 (5.8)	FEN1 (4.0)	ZRANB3 (3.9)
0.93	>=0.20	ENSG00000228044 (2	ZNF821 (2.4)	CELSR2 (2.2)
0.93	>=0.20	ZRANB3 (2.9)	ATXN1L (2.8)	TXNL4B (2.4)
0.93	>=0.20	PSRC1 (5.9)	FEN1 (4.4)	ZRANB3 (3.8)
0.93	>=0.20	YSK4 (3.0)	ZRANB3 (2.5)	BUD13 (2.3)
0.93	>=0.20	GOT2P1 (3.0)	TOMM40 (2.8)	DHODH (2.7)
0.93	>=0.20	C12orf43 (2.8)	IFT172 (2.6)	SMARCA4 (2.5)
0.93	>=0.20	CARM1 (4.0)	PPM1G (2.8)	KPNB1 (2.4)
0.93	>=0.20	SORT1 (3.1)	GPR61 (3.1)	NCAN (2.9)
0.93	>=0.20	ZRANB3 (3.1)	POLK (3.0)	CEP250 (2.8)
0.93	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.8)
0.93	>=0.20	BUD13 (3.5)	C19orf52 (2.2)	MAP3K4 (2.1)
0.93	>=0.20	ENSG00000182329 (2	C12orf43 (2.1)	ZNF513 (1.9)
0.93	>=0.20	KPNB1 (2.0)	RAB3GAP1 (1.9)	IST1 (1.5)
0.93	>=0.20	CETP (2.4)	SLC22A3 (2.2)	ENSG00000236436 (1
0.93	>=0.20	BMPR2 (3.7)	ENSG00000226645 (2	C19orf52 (2.6)
0.93	>=0.20	FUT2 (2.4)	SUMO1 (2.3)	GNAI3 (2.1)
0.93	>=0.20	LCT (4.1)	HNF1A (3.1)	ABCG8 (3.0)
0.93	>=0.20	PSRC1 (5.9)	FEN1 (4.2)	ZRANB3 (3.7)
0.93	>=0.20	GNAI3 (4.7)	NPEPPS (2.9)	NRBP1 (2.5)
0.93	>=0.20	CEP250 (4.0)	POC5 (3.5)	PSRC1 (3.1)
0.93	>=0.20	PBX4 (3.0)	IZUMO1 (2.1)	ENSG00000235545 (1
0.93	>=0.20	PSRC1 (5.8)	FEN1 (4.4)	MCM6 (3.8)
0.93	>=0.20	PSRC1 (5.7)	FEN1 (4.5)	ZRANB3 (3.9)
0.93	>=0.20	TSSK6 (2.6)	HAVCR1 (2.5)	ABCA6 (2.5)
0.94	>=0.20	ABO (2.0)	C11orf9 (1.9)	SPATC1 (1.9)
0.94	>=0.20	SNX17 (2.9)	KANK2 (2.7)	GNAI3 (2.3)
0.94	>=0.20	SYPL2 (4.1)	TRIM54 (4.0)	PLEC (2.3)
0.94	>=0.20	C12orf43 (3.8)	POC5 (2.6)	C19orf52 (2.5)
0.94	>=0.20	ENSG00000226806 (5	PLCG1 (3.6)	GMIP (3.3)
0.94	>=0.20	GRINA (3.7)	SORT1 (2.5)	SARS (2.1)
0.94	>=0.20	PVR (3.1)	MAMSTR (2.3)	SLC44A2 (2.3)
0.94	>=0.20	C12orf43 (3.3)	C19orf52 (2.1)	ENSG00000236436 (1
0.94	>=0.20	C12orf43 (3.3)	C19orf52 (2.1)	ENSG00000236436 (1
0.94	>=0.20	RP1 (4.2)	GNAT2 (4.0)	GPR61 (2.4)
0.94	>=0.20	LIPG (2.1)	ATXN7L2 (2.1)	ENSG00000228044 (2
0.94	>=0.20	YIPF2 (3.2)	LDLR (2.5)	UBXN4 (2.2)
0.94	>=0.20	TRIM54 (3.5)	IZUMO1 (2.1)	PLEC (2.0)
0.94	>=0.20	HAPLN4 (5.1)	APOE (2.5)	ZHX3 (2.1)
0.94	>=0.20	OTX1 (4.6)	ENSG00000235545 (3	NCAN (2.7)
0.94	>=0.20	BUD13 (3.3)	TOP1 (3.3)	DHX38 (2.9)
0.94	>=0.20	GPR61 (3.4)	GNAT2 (3.3)	TBKBP1 (2.8)
0.94	>=0.20	GPR61 (3.4)	GNAT2 (3.3)	TBKBP1 (2.8)
0.94	>=0.20	PSMA5 (3.3)	GNAI3 (3.3)	SUMO1 (2.3)

0.94	>=0.20	YSK4 (6.5)	TSSK6 (4.4)	PMFBP1 (3.3)
0.94	>=0.20	SUGP1 (2.8)	CARM1 (2.7)	IFT172 (2.7)
0.94	>=0.20	SMARCA4 (3.5)	NCAN (2.6)	HAVCR1 (2.2)
0.94	>=0.20	YIPF2 (4.7)	UBXN4 (3.2)	CYB561D1 (2.9)
0.94	>=0.20	OBP2B (2.5)	SPATC1 (1.9)	ABO (1.9)
0.94	>=0.20	ZRANB3 (4.9)	MCM6 (4.8)	FEN1 (4.3)
0.94	>=0.20	C17orf57 (3.3)	SUMO1 (2.5)	PMFBP1 (2.3)
0.94	>=0.20	ZRANB3 (2.6)	SUMO1 (2.5)	PSMA5 (2.5)
0.94	>=0.20	COL4A3BP (2.9)	ERGIC3 (2.6)	ZNF513 (2.4)
0.94	>=0.20	GRINA (3.1)	IST1 (2.7)	SARS (2.3)
0.94	>=0.20	GRINA (3.1)	IST1 (2.7)	SARS (2.3)
0.94	>=0.20	ZNF821 (2.3)	OTX1 (2.1)	CELSR2 (2.1)
0.94	>=0.20	OTX1 (3.7)	MAFB (3.4)	DOCK7 (2.6)
0.94	>=0.20	ZNF513 (3.8)	BUD13 (2.4)	C19orf52 (2.1)
0.94	>=0.20	ATXN7L2 (3.4)	ZNF513 (1.9)	ENSG00000236436 (1
0.94	>=0.20	BUD13 (3.0)	MYLIP (2.2)	GATAD2A (1.9)
0.94	>=0.20	CILP2 (7.7)	GDF5 (4.4)	ERGIC3 (2.1)
0.94	>=0.20	ENSG00000231204 (2	HNF1A (1.9)	USP24 (1.7)
0.94	>=0.20	HAPLN4 (3.1)	ABO (2.4)	CELSR2 (2.1)
0.94	>=0.20	HNF1A (2.8)	ENSG00000226648 (2	ZHX3 (2.1)
0.94	>=0.20	R3HDM1 (2.3)	ENSG00000226645 (2	MAFB (1.9)
0.94	>=0.20	DOCK6 (2.9)	PLEC (2.5)	RASIP1 (2.4)
0.94	>=0.20	RAB3GAP1 (3.7)	GDF5 (3.3)	EHBP1 (3.0)
0.94	>=0.20	CYB561D1 (2.5)	ATXN7L2 (2.4)	ENSG00000236267 (2
0.94	>=0.20	OTX1 (2.6)	HAPLN4 (2.4)	ZHX3 (2.1)
0.94	>=0.20	OBP2B (1.9)	ERGIC3 (1.7)	CELSR2 (1.7)
0.94	>=0.20	TRIM54 (4.1)	NOP58 (2.6)	SYPL2 (2.5)
0.94	>=0.20	CLPTM1 (2.8)	PLEC (2.5)	GNAI3 (2.4)
0.94	>=0.20	PBX4 (2.2)	OBP2B (2.2)	ENSG00000226622 (1
0.94	>=0.20	MCM6 (2.6)	ZRANB3 (1.7)	FEN1 (1.7)
0.94	>=0.20	C12orf43 (3.7)	POC5 (2.8)	SUGP1 (2.1)
0.94	>=0.20	FEN1 (3.3)	USP1 (3.0)	ZRANB3 (2.8)
0.94	>=0.20	SMARCA4 (2.5)	PPM1G (2.4)	USP1 (2.3)
0.94	>=0.20	PSRC1 (5.6)	FEN1 (4.5)	MCM6 (3.9)
0.94	>=0.20	PSRC1 (2.8)	FEN1 (2.7)	MCM6 (2.2)
0.94	>=0.20	RP1 (4.8)	GNAT2 (3.0)	CETP (2.4)
0.94	>=0.20	FUT2 (2.7)	SUMO1 (2.4)	GNAI3 (2.3)
0.94	>=0.20	BUD13 (3.2)	C12orf43 (2.5)	GOT2P1 (2.4)
0.94	>=0.20	FER1L4 (3.1)	NCAN (2.7)	ENSG00000182329 (2
0.94	>=0.20	PSMA5 (2.3)	FGF21 (2.1)	SUMO1 (2.1)
0.94	>=0.20	ENSG00000228044 (3	TXNL4B (3.1)	IST1 (3.0)
0.94	>=0.20	ATXN7L2 (2.6)	BUD13 (2.6)	C19orf52 (2.6)
0.94	>=0.20	ZRANB3 (4.9)	MCM6 (4.8)	FEN1 (4.1)
0.94	>=0.20	NCAN (2.8)	DARS (2.6)	MYLIP (2.1)
0.94	>=0.20	MAMSTR (5.5)	GDF5 (2.7)	SLC22A3 (2.5)
0.94	>=0.20	FNDC4 (3.3)	ENSG00000226645 (2	ENSG00000236267 (1
0.94	>=0.20	TXNL4B (2.6)	GOT2P1 (2.5)	FNDC4 (2.2)
0.94	>=0.20	OTX1 (2.9)	TOP1 (2.5)	CARM1 (2.4)
0.94	>=0.20	DOCK7 (2.7)	SPATC1 (2.3)	ERGIC3 (2.0)
0.94	>=0.20	SPATC1 (2.8)	ENSG00000236436 (2	LPAR2 (2.1)

0.94	>=0.20	FUT2 (2.6)	GNAI3 (2.4)	PMFBP1 (2.4)
0.94	>=0.20	PSRC1 (5.9)	FEN1 (4.5)	MCM6 (3.9)
0.94	>=0.20	ENSG00000244861 (2	TRIM54 (2.5)	SYPL2 (2.2)
0.94	>=0.20	OTX1 (4.6)	ENSG00000226806 (2	ENSG00000254235 (2
0.94	>=0.20	ABO (3.0)	ERGIC3 (2.1)	ENSG00000231204 (2
0.94	>=0.20	C12orf43 (2.4)	APOE (2.3)	NCAN (2.1)
0.94	>=0.20	GNAT2 (3.4)	RP1 (3.2)	GPR61 (3.1)
0.94	>=0.20	GNAT2 (3.4)	RP1 (3.2)	GPR61 (3.1)
0.94	>=0.20	GNAT2 (3.4)	RP1 (3.2)	GPR61 (3.1)
0.94	>=0.20	SORT1 (2.9)	NCAN (2.3)	GNAI3 (2.0)
0.94	>=0.20	ENSG00000244861 (2	HAVCR1 (2.1)	C17orf57 (1.9)
0.94	>=0.20	ENSG00000244861 (3	MYLIP (2.4)	ENSG00000226622 (2
0.94	>=0.20	GNAI3 (3.5)	UBXN4 (2.7)	SNX17 (2.1)
0.94	>=0.20	PBX4 (2.8)	ENSG00000235545 (2	ENSG00000236436 (1
0.94	>=0.20	FUT2 (2.6)	ENSG00000235545 (2	ERGIC3 (2.3)
0.94	>=0.20	GSTM4 (3.2)	TM6SF2 (2.7)	ABCG8 (2.7)
0.94	>=0.20	YSK4 (4.5)	DNAH11 (3.8)	ENSG00000182329 (2
0.94	>=0.20	C19orf52 (3.3)	RAB3GAP1 (3.2)	YIPF2 (2.8)
0.94	>=0.20	HAPLN4 (4.0)	RP1 (3.7)	GNAT2 (3.4)
0.94	>=0.20	PLCG1 (1.6)	OASL (1.6)	MAMSTR (1.6)
0.94	>=0.20	NCAN (3.3)	CELSR2 (2.8)	GRINA (2.6)
0.94	>=0.20	FUT1 (2.5)	CYB561D1 (2.4)	ENSG00000226806 (2
0.94	>=0.20	RELB (1.8)	NFE2L3 (1.5)	GPR61 (1.5)
0.94	>=0.20	GMIP (2.7)	ABCA6 (2.6)	LPAR2 (2.2)
0.94	>=0.20	ENSG00000235545 (2	C19orf52 (2.4)	ABO (2.1)
0.94	>=0.20	USP24 (3.6)	ENSG00000244861 (2	SPATC1 (2.5)
0.94	>=0.20	UBXN4 (3.7)	IST1 (2.5)	NRBP1 (2.4)
0.94	>=0.20	ZRANB3 (3.1)	ABCA5 (2.9)	MCM6 (2.7)
0.94	>=0.20	PPM1G (2.5)	SUMO1 (2.3)	SMARCA4 (2.1)
0.94	>=0.20	FER1L4 (2.7)	KRTCAP3 (2.5)	FNDC4 (2.2)
0.94	>=0.20	FGF21 (2.5)	HAPLN4 (2.0)	USP24 (2.0)
0.94	>=0.20	TRIM54 (2.5)	PLEC (2.4)	DOCK6 (2.1)
0.94	>=0.20	ATXN7L2 (2.3)	ZNF259 (2.2)	DARS (2.0)
0.94	>=0.20	C19orf52 (2.8)	DNAH11 (2.6)	MYLIP (2.5)
0.94	>=0.20	CELSR2 (2.5)	GDF5 (2.3)	ZHX3 (2.1)
0.94	>=0.20	PMFBP1 (5.3)	TSSK6 (5.0)	IZUMO1 (3.3)
0.94	>=0.20	C17orf57 (2.4)	ABO (2.3)	PLEC (2.1)
0.94	>=0.20	PSMA5 (2.5)	TXNL4B (1.8)	PPM1G (1.8)
0.94	>=0.20	CYP26A1 (4.1)	PVRL2 (2.1)	LPAR2 (2.0)
0.94	>=0.20	HMGCR (4.7)	LDLR (3.8)	FADS1 (3.7)
0.94	>=0.20	SPATC1 (4.6)	TSSK6 (4.5)	MCM6 (2.9)
0.94	>=0.20	OASL (5.3)	PARP10 (4.3)	DNAH11 (2.0)
0.94	>=0.20	YIPF2 (5.2)	IFT172 (2.6)	NRBP1 (2.6)
0.94	>=0.20	FUT2 (2.8)	PMFBP1 (2.2)	GNAI3 (2.2)
0.94	>=0.20	ZNF821 (2.7)	AMPD2 (2.5)	GMIP (2.4)
0.94	>=0.20	SORT1 (2.9)	TRIM54 (2.4)	CYB561D1 (2.2)
0.94	>=0.20	SYPL2 (5.6)	TRIM54 (4.5)	SLC22A3 (3.2)
0.94	>=0.20	SUGP1 (3.1)	POLK (2.7)	POC5 (2.6)
0.94	>=0.20	SUGP1 (3.1)	POLK (2.7)	POC5 (2.6)
0.94	>=0.20	NCAN (2.6)	FER1L4 (2.4)	AMPD2 (2.1)

0.94	>=0.20	EHBP1 (2.9)	GDF5 (2.8)	ZHX3 (2.6)
0.94	>=0.20	R3HDM1 (3.0)	BMPR2 (2.5)	CLPTM1 (2.2)
0.94	>=0.20	NCAN (3.3)	CELSR2 (3.1)	R3HDM1 (2.6)
0.94	>=0.20	PSRC1 (5.9)	FEN1 (4.4)	POC5 (3.7)
0.94	>=0.20	GRINA (3.4)	IGF2R (3.1)	SORT1 (2.8)
0.94	>=0.20	PSRC1 (5.9)	FEN1 (4.4)	ZRANB3 (3.7)
0.94	>=0.20	ZRANB3 (4.0)	MCM6 (3.6)	USP1 (3.3)
0.94	>=0.20	ZNF821 (3.5)	ENSG00000236436 (2	MAFB (2.1)
0.94	>=0.20	GNAI3 (2.7)	PSMA5 (2.5)	PLEC (2.4)
0.94	>=0.20	SPATC1 (2.1)	ZHX3 (1.5)	PGS1 (1.5)
0.95	>=0.20	DOCK7 (2.6)	AMIGO1 (2.0)	CYP26A1 (2.0)
0.95	>=0.20	KRTCAP3 (3.0)	ENSG00000231204 (2	GPAM (2.1)
0.95	>=0.20	R3HDM1 (3.3)	ABCA6 (3.0)	CEP250 (2.1)
0.95	>=0.20	R3HDM1 (3.3)	ABCA6 (3.0)	CEP250 (2.1)
0.95	>=0.20	DARS (2.7)	NOP58 (2.4)	TOP1 (2.2)
0.95	>=0.20	DARS (2.5)	SMARCA4 (2.1)	TOP1 (2.1)
0.95	>=0.20	GOT2P1 (2.3)	LPL (1.8)	GSTM4 (1.7)
0.95	>=0.20	PSRC1 (6.0)	FEN1 (4.0)	POC5 (3.8)
0.95	>=0.20	ABCA5 (2.4)	GDF5 (2.4)	FER1L4 (1.9)
0.95	>=0.20	USP1 (4.4)	DHX38 (2.6)	ZRANB3 (2.2)
0.95	>=0.20	ATXN1L (2.6)	TRIB1 (2.3)	IZUMO1 (2.1)
0.95	>=0.20	TSSK6 (4.1)	OBP2B (2.7)	PMFBP1 (2.7)
0.95	>=0.20	C12orf43 (3.5)	SUGP1 (3.2)	ATXN7L2 (3.0)
0.95	>=0.20	USP1 (4.2)	MCM6 (3.8)	FEN1 (3.3)
0.95	>=0.20	GNAI3 (4.0)	ENSG00000236436 (2	PSRC1 (2.7)
0.95	>=0.20	POLK (2.8)	MAMSTR (2.6)	FGF21 (2.5)
0.95	>=0.20	NPEPPS (3.3)	SNX17 (2.7)	COL4A3BP (2.6)
0.95	>=0.20	NCAN (4.6)	R3HDM1 (3.0)	ZHX3 (2.6)
0.95	>=0.20	ENSG00000236267 (1	MAMSTR (1.8)	DNAH11 (1.6)
0.95	>=0.20	TRIM54 (5.0)	SYPL2 (4.0)	SPATC1 (2.0)
0.95	>=0.20	COL4A3BP (3.0)	RAB3GAP1 (3.0)	MAP3K4 (2.7)
0.95	>=0.20	CELSR2 (2.7)	NCAN (2.5)	GPR61 (2.3)
0.95	>=0.20	NRBP1 (3.2)	MCM6 (2.9)	SNX17 (2.7)
0.95	>=0.20	YSK4 (2.4)	EHBP1 (2.2)	CYP26A1 (2.2)
0.95	>=0.20	ABCA6 (2.7)	SUGP1 (2.5)	DARS (2.3)
0.95	>=0.20	ABCA6 (2.7)	SUGP1 (2.5)	DARS (2.3)
0.95	>=0.20	YSK4 (3.0)	LPIN3 (2.2)	SPATC1 (1.9)
0.95	>=0.20	PSRC1 (6.2)	POC5 (3.0)	FEN1 (2.4)
0.95	>=0.20	NRBP1 (2.8)	GNAI3 (2.7)	MAP3K4 (2.4)
0.95	>=0.20	KPNB1 (1.7)	HNF4A (1.7)	ENSG00000236436 (1
0.95	>=0.20	LCT (2.5)	ENSG00000226648 (2	ABCA6 (1.9)
0.95	>=0.20	POLK (3.5)	ZRANB3 (3.5)	MCM6 (2.9)
0.95	>=0.20	COL4A3BP (3.7)	POLK (2.4)	SNX17 (2.4)
0.95	>=0.20	ZRANB3 (2.5)	IZUMO1 (2.3)	R3HDM1 (2.1)
0.95	>=0.20	C12orf43 (1.8)	TOMM40 (1.6)	PGS1 (1.6)
0.95	>=0.20	IST1 (3.6)	BUD13 (2.7)	TOP1 (2.7)
0.95	>=0.20	SYPL2 (3.8)	SORT1 (2.6)	GPR61 (2.6)
0.95	>=0.20	IFT172 (4.0)	ERGIC3 (2.3)	POC5 (1.9)
0.95	>=0.20	TBKBP1 (3.0)	DNAH11 (2.6)	ENSG00000244861 (2
0.95	>=0.20	CYB561D1 (2.2)	LPIN3 (2.1)	AMPD2 (2.0)

0.95	>=0.20	ENSG00000226622 (3	ENSG00000182329 (2	GSTM5 (1.8)
0.95	>=0.20	OBP2B (3.0)	ENSG00000226622 (2	FGF21 (2.1)
0.95	>=0.20	ZRANB3 (4.3)	USP1 (3.2)	MCM6 (3.2)
0.95	>=0.20	PLCG1 (3.4)	AMPD2 (3.2)	ZHX3 (2.8)
0.95	>=0.20	TXNL4B (3.7)	DHODH (2.9)	ST3GAL4 (2.9)
0.95	>=0.20	TXNL4B (3.7)	DHODH (2.9)	ST3GAL4 (2.9)
0.95	>=0.20	AMPD2 (2.8)	ZNF821 (2.7)	PVRL2 (2.3)
0.95	>=0.20	RELB (2.3)	PSMA5 (2.0)	HNF1A (1.9)
0.95	>=0.20	CELSR2 (1.5)	PMFBP1 (1.2)	FUT1 (1.1)
0.95	>=0.20	ENSG00000256731 (2	RAB3GAP1 (2.2)	ATP13A1 (2.1)
0.95	>=0.20	USP1 (3.1)	COL4A3BP (2.6)	C19orf52 (2.5)
0.95	>=0.20	NOP58 (2.8)	C12orf43 (2.3)	KPNB1 (2.1)
0.95	>=0.20	HAPLN4 (3.3)	SLC22A2 (2.8)	ABCA5 (2.7)
0.95	>=0.20	OTX1 (4.0)	DNAH11 (3.0)	ENSG00000226806 (2
0.95	>=0.20	C12orf43 (3.9)	ZNF259 (2.5)	ERGIC3 (2.3)
0.95	>=0.20	TRIM54 (2.8)	ENSG00000226648 (2	TBKBP1 (2.3)
0.95	>=0.20	YIPF2 (5.2)	IFT172 (3.2)	UBXN4 (2.4)
0.95	>=0.20	NCAN (3.4)	OTX1 (3.3)	C17orf57 (2.3)
0.95	>=0.20	RP1 (4.7)	ENSG00000235545 (3	GNAT2 (3.1)
0.95	>=0.20	GPAM (3.0)	ENSG00000236267 (2	NCAN (2.6)
0.95	>=0.20	ZHX3 (2.6)	SORT1 (2.6)	GSTM5 (2.6)
0.95	>=0.20	SUMO1 (3.5)	TBKBP1 (2.1)	CEP250 (1.9)
0.95	>=0.20	DOCK7 (2.4)	ENSG00000228044 (2	USP24 (1.8)
0.95	>=0.20	HAPLN4 (3.0)	MAP3K4 (2.4)	RELB (2.2)
0.95	>=0.20	BUD13 (3.4)	MAP3K4 (2.7)	SMARCA4 (2.7)
0.95	>=0.20	SUGP1 (2.7)	C19orf52 (2.2)	YIPF2 (2.1)
0.95	>=0.20	POC5 (3.0)	IZUMO1 (3.0)	IFT172 (2.6)
0.95	>=0.20	BUD13 (2.5)	C12orf43 (2.1)	GSTM5 (2.0)
0.95	>=0.20	BCAM (2.6)	DNAH11 (2.5)	TBKBP1 (2.1)
0.95	>=0.20	PSRC1 (6.1)	FEN1 (4.1)	ZRANB3 (3.6)
0.95	>=0.20	POLK (2.9)	PCSK9 (2.2)	NFE2L3 (1.8)
0.95	>=0.20	FUT2 (2.8)	ENSG00000235545 (2	ABO (2.4)
0.95	>=0.20	C11orf9 (3.1)	GSTM5 (2.8)	SPATC1 (2.1)
0.95	>=0.20	ZNF513 (3.2)	CYB561D1 (3.2)	IZUMO1 (2.6)
0.95	>=0.20	USP24 (2.9)	RAB3GAP1 (2.6)	COL4A3BP (2.5)
0.95	>=0.20	ZHX3 (3.0)	TBKBP1 (2.0)	COL4A3BP (1.9)
0.95	>=0.20	OBP2B (2.8)	ENSG00000231204 (2	GPR61 (2.3)
0.95	>=0.20	FUT1 (2.2)	CBLC (2.2)	KRTCAP3 (2.1)
0.95	>=0.20	CEP250 (2.2)	ENSG00000231204 (2	DARS (2.0)
0.95	>=0.20	BUD13 (3.0)	SUGP1 (2.3)	R3HDM1 (2.2)
0.95	>=0.20	CILP2 (4.2)	FUT1 (2.8)	ERGIC3 (2.0)
0.95	>=0.20	DARS (2.4)	C19orf52 (2.3)	ZNF259 (2.2)
0.95	>=0.20	NCAN (2.8)	DARS (2.6)	MYLIP (2.2)
0.95	>=0.20	YIPF2 (5.2)	IFT172 (3.1)	NRBP1 (2.5)
0.95	>=0.20	OBP2B (2.6)	ZNF821 (2.4)	NCAN (2.3)
0.95	>=0.20	MAFB (3.7)	RELB (2.6)	GMIP (2.0)
0.95	>=0.20	SYPL2 (3.6)	R3HDM1 (3.2)	TRIM54 (2.9)
0.95	>=0.20	TRIM54 (3.4)	SYPL2 (3.0)	CYP26A1 (2.0)
0.95	>=0.20	CBLC (3.9)	PSRC1 (2.9)	FER1L4 (2.7)
0.95	>=0.20	ZNF821 (2.6)	SARS (2.6)	GSTM4 (2.6)

0.95	>=0.20	C12orf43 (2.3)	PSMA5 (2.3)	GNAI3 (2.1)
0.95	>=0.20	USP1 (2.6)	ENSG00000231204 (1	SPATC1 (1.6)
0.95	>=0.20	POC5 (4.9)	PSRC1 (4.9)	ZRANB3 (3.9)
0.95	>=0.20	GPR61 (3.2)	OBP2B (2.6)	SYPL2 (2.5)
0.95	>=0.20	ENSG00000244861 (2	LPIN3 (2.0)	CYP26A1 (2.0)
0.95	>=0.20	YIPF2 (3.3)	HAPLN4 (3.0)	AMPD2 (2.8)
0.95	>=0.20	C12orf43 (3.9)	SUMO1 (2.9)	TXNL4B (2.9)
0.95	>=0.20	ERGIC3 (2.7)	CYB561D1 (2.6)	AMIGO1 (2.4)
0.95	>=0.20	YIPF2 (3.5)	ERGIC3 (2.4)	HMGCR (2.4)
0.95	>=0.20	SARS (2.1)	GRINA (1.8)	ANGPTL3 (1.7)
0.95	>=0.20	MAP3K4 (3.0)	SORT1 (2.4)	BUD13 (2.3)
0.95	>=0.20	TRIB1 (5.9)	PVR (2.5)	POC5 (1.9)
0.95	>=0.20	OTX1 (2.3)	CYP26A1 (2.0)	C17orf57 (1.9)
0.95	>=0.20	GSTM4 (2.4)	GOT2P1 (2.0)	PSMA5 (1.9)
0.95	>=0.20	ENSG00000244861 (2	HAPLN4 (2.2)	FUT2 (2.0)
0.95	>=0.20	C12orf43 (2.9)	SMARCA4 (2.9)	PPM1G (2.7)
0.95	>=0.20	ATXN1L (4.2)	IST1 (2.7)	GNAI3 (2.5)
0.95	>=0.20	CLPTM1 (3.9)	ZHX3 (2.8)	NCAN (2.6)
0.95	>=0.20	NCAN (3.3)	R3HDM1 (3.2)	ENSG00000231204 (2
0.95	>=0.20	YIPF2 (4.8)	UBXN4 (3.0)	IST1 (2.6)
0.95	>=0.20	USP1 (2.5)	ENSG00000226806 (2	OTX1 (2.2)
0.95	>=0.20	RAB3GAP1 (2.4)	NPEPPS (2.3)	C17orf57 (2.3)
0.95	>=0.20	SPATC1 (2.8)	TSSK6 (2.3)	SUMO1 (2.1)
0.95	>=0.20	NCAN (2.5)	FER1L4 (2.2)	GRINA (1.9)
0.95	>=0.20	OASL (6.1)	PARP10 (5.7)	MAU2 (2.7)
0.95	>=0.20	NCAN (3.2)	DNAH11 (2.6)	FER1L4 (2.5)
0.95	>=0.20	TSSK6 (3.2)	C19orf80 (2.1)	PMFBP1 (2.0)
0.95	>=0.20	ENSG00000244861 (2	C17orf57 (2.0)	ZRANB3 (1.7)
0.95	>=0.20	NRBP1 (2.7)	TXNL4B (2.2)	ZNF821 (1.8)
0.95	>=0.20	MCM6 (3.3)	FEN1 (3.2)	ZRANB3 (3.0)
0.95	>=0.20	ENSG00000228044 (2	DARS (2.5)	DHODH (2.5)
0.95	>=0.20	HAPLN4 (3.6)	AMIGO1 (2.7)	ABO (2.5)
0.95	>=0.20	ENSG00000226645 (3	C12orf43 (3.6)	BUD13 (2.8)
0.95	>=0.20	ENSG00000182329 (3	ABO (2.5)	GPR61 (2.2)
0.95	>=0.20	PSMA5 (3.2)	SNX17 (3.1)	C12orf43 (2.8)
0.95	>=0.20	PSRC1 (4.4)	POC5 (4.2)	ZRANB3 (3.1)
0.95	>=0.20	TXNL4B (2.5)	PSMA5 (2.3)	ENSG00000182329 (1
0.95	>=0.20	YSK4 (8.3)	DNAH11 (4.1)	IFT172 (2.6)
0.95	>=0.20	HAPLN4 (4.5)	APOC1 (2.9)	PBX4 (2.3)
0.95	>=0.20	DHODH (3.0)	ENSG00000228044 (2	DARS (2.6)
0.95	>=0.20	LDLR (3.3)	FADS1 (3.0)	ENSG00000256731 (2
0.95	>=0.20	ENSG00000244861 (2	C12orf43 (2.6)	ABCA5 (2.5)
0.95	>=0.20	GPR61 (3.0)	ENSG00000182329 (2	SYPL2 (2.3)
0.95	>=0.20	PBX4 (1.9)	CYB561D1 (1.9)	ABCA6 (1.9)
0.95	>=0.20	ZNF259 (4.0)	NOP58 (4.0)	DHODH (3.2)
0.96	>=0.20	ENSG00000235545 (2	IFT172 (2.0)	GSTM5 (2.0)
0.96	>=0.20	TOP1 (2.7)	ZNF513 (2.7)	UBXN4 (2.4)
0.96	>=0.20	ABO (2.5)	ENSG00000236436 (2	SLC22A3 (2.0)
0.96	>=0.20	SARS (5.3)	FUT1 (3.4)	ZNF259 (2.8)
0.96	>=0.20	SARS (5.3)	FUT1 (3.4)	ZNF259 (2.8)

0.96	>=0.20	C19orf52 (3.4)	SUMO1 (2.7)	FGF21 (2.6)
0.96	>=0.20	PSRC1 (5.2)	FEN1 (4.2)	POC5 (4.2)
0.96	>=0.20	ENSG00000226806 (5	LCT (2.7)	ST3GAL4 (2.4)
0.96	>=0.20	HAPLN4 (4.2)	ABCA5 (2.0)	FNDC4 (1.9)
0.96	>=0.20	SLC22A2 (3.6)	C11orf9 (2.2)	BCAM (1.8)
0.96	>=0.20	FER1L4 (2.8)	NCAN (2.6)	R3HDM1 (2.4)
0.96	>=0.20	SLC22A3 (3.2)	HNF1A (2.3)	PARP10 (2.1)
0.96	>=0.20	SUGP1 (3.6)	SMARCA4 (2.6)	C19orf52 (2.0)
0.96	>=0.20	ATXN7L2 (3.5)	C19orf52 (2.8)	ZNF513 (2.2)
0.96	>=0.20	NCAN (4.7)	GPR61 (3.0)	HAPLN4 (2.9)
0.96	>=0.20	SUMO1 (3.4)	NOP58 (2.9)	GATAD2A (2.5)
0.96	>=0.20	BUD13 (3.5)	ZRANB3 (2.5)	PPM1G (2.4)
0.96	>=0.20	CARM1 (2.3)	ZNF821 (1.9)	ATXN7L2 (1.9)
0.96	>=0.20	MAMSTR (3.5)	FUT2 (2.3)	CARM1 (2.0)
0.96	>=0.20	ENSG00000236436 (2	CILP2 (2.5)	ENSG00000256731 (2
0.96	>=0.20	LPIN3 (1.9)	YSK4 (1.6)	ENSG00000226622 (1
0.96	>=0.20	CYP26A1 (2.2)	LPAR2 (2.1)	GSTM5 (2.1)
0.96	>=0.20	PLCG1 (2.9)	ENSG00000226806 (2	APOE (2.2)
0.96	>=0.20	ENSG00000231204 (2	GMIP (2.1)	SLC22A3 (2.0)
0.96	>=0.20	MAMSTR (2.5)	MYLIP (2.4)	OTX1 (2.3)
0.96	>=0.20	MAP3K4 (2.6)	GMIP (2.5)	SORT1 (2.2)
0.96	>=0.20	ENSG00000235545 (3	SPATC1 (2.4)	PBX4 (2.3)
0.96	>=0.20	ENSG00000256731 (3	SLC22A3 (2.8)	FUT2 (2.3)
0.96	>=0.20	GRINA (2.0)	RAB3GAP1 (1.9)	ENSG00000256731 (1
0.96	>=0.20	ENSG00000226622 (4	GDF5 (2.3)	KANK2 (2.3)
0.96	>=0.20	GSTM5 (2.9)	ZHX3 (2.3)	SORT1 (1.9)
0.96	>=0.20	KRTCAP3 (3.3)	ENSG00000231204 (2	GPAM (2.1)
0.96	>=0.20	FER1L4 (3.4)	NCAN (2.6)	ENSG00000182329 (1
0.96	>=0.20	DOCK7 (3.0)	ST3GAL4 (2.3)	C12orf43 (2.1)
0.96	>=0.20	MAP3K4 (2.4)	TOP1 (2.3)	SUGP1 (1.8)
0.96	>=0.20	KRTCAP3 (2.4)	AMIGO1 (2.0)	ENSG00000226648 (2
0.96	>=0.20	NPEPPS (3.0)	R3HDM1 (2.7)	NFE2L3 (2.2)
0.96	>=0.20	C11orf9 (2.5)	ATXN7L2 (2.2)	NRBP1 (1.8)
0.96	>=0.20	CLPTM1 (3.4)	RELB (2.7)	PLEC (2.5)
0.96	>=0.20	RP1 (3.5)	GNAT2 (2.8)	SNX17 (2.6)
0.96	>=0.20	DARS (3.5)	AMPD2 (3.3)	DHODH (3.1)
0.96	>=0.20	KRTCAP3 (2.8)	C11orf9 (2.7)	ENSG00000228044 (2
0.96	>=0.20	SLC22A2 (4.7)	LPL (1.9)	OTX1 (1.8)
0.96	>=0.20	NCAN (5.3)	C11orf9 (4.8)	APOE (3.6)
0.96	>=0.20	NRBP1 (2.1)	SUMO1 (2.1)	UBXN4 (2.0)
0.96	>=0.20	GPR61 (2.4)	LPIN3 (2.0)	MYLIP (1.9)
0.96	>=0.20	GMIP (2.7)	COL4A3BP (2.4)	C11orf9 (2.1)
0.96	>=0.20	FGF21 (2.4)	YSK4 (2.2)	ENSG00000226648 (2
0.96	>=0.20	IST1 (3.1)	TOP1 (2.9)	UBXN4 (2.7)
0.96	>=0.20	HAPLN4 (3.1)	R3HDM1 (2.5)	NPEPPS (2.1)
0.96	>=0.20	HAPLN4 (3.1)	R3HDM1 (2.5)	NPEPPS (2.1)
0.96	>=0.20	HAPLN4 (3.1)	R3HDM1 (2.5)	NPEPPS (2.1)
0.96	>=0.20	GMIP (3.1)	MAFB (2.8)	ZNF513 (1.9)
0.96	>=0.20	CEP250 (2.8)	ENSG00000226806 (2	PLCG1 (2.1)
0.96	>=0.20	GNAI3 (4.1)	NRBP1 (3.7)	SNX17 (3.3)

0.96	>=0.20	GPR61 (2.9)	SPATC1 (2.0)	ABO (1.9)
0.96	>=0.20	IZUMO1 (2.4)	PARP10 (2.3)	LPAL2 (2.0)
0.96	>=0.20	ENSG00000226622 (4	MAMSTR (2.3)	KANK2 (2.2)
0.96	>=0.20	IST1 (3.3)	TOP1 (3.0)	BUD13 (2.8)
0.96	>=0.20	IST1 (4.3)	ATXN1L (3.7)	TXNL4B (3.5)
0.96	>=0.20	SUMO1 (2.7)	ZNF259 (2.4)	TXNL4B (2.3)
0.96	>=0.20	USP24 (2.3)	ENSG00000231204 (2	POLK (2.0)
0.96	>=0.20	NCAN (3.5)	CELSR2 (3.0)	FNDC4 (2.5)
0.96	>=0.20	TRIB1 (4.0)	PLCG1 (2.4)	AMIGO1 (2.0)
0.96	>=0.20	ABCG8 (2.8)	PARP10 (2.4)	GRINA (1.8)
0.96	>=0.20	ENSG00000231204 (4	ENSG00000228044 (3	ENSG00000235545 (2
0.96	>=0.20	TOP1 (4.4)	NPEPPS (2.8)	SMARCA4 (2.4)
0.96	>=0.20	MAU2 (3.7)	SUGP1 (3.4)	IFT172 (2.8)
0.96	>=0.20	GMIP (3.5)	ENSG00000226806 (2	MAFB (2.6)
0.96	>=0.20	GPR61 (2.5)	MYLIP (1.9)	HAPLN4 (1.8)
0.96	>=0.20	DOCK7 (3.3)	SUMO1 (2.9)	PMFBP1 (2.7)
0.96	>=0.20	NOP58 (2.6)	SNX17 (2.5)	C12orf43 (2.4)
0.96	>=0.20	HAPLN4 (5.1)	AMIGO1 (2.7)	FNDC4 (1.8)
0.96	>=0.20	TSSK6 (5.3)	SPATC1 (3.8)	PMFBP1 (3.7)
0.96	>=0.20	GMIP (3.2)	ENSG00000226806 (2	RELB (2.3)
0.96	>=0.20	PLEC (2.3)	CELSR2 (2.2)	SARS (1.8)
0.96	>=0.20	MAP3K4 (2.5)	RELB (2.2)	ENSG00000228044 (2
0.96	>=0.20	ENSG00000244861 (4	TBKBP1 (3.1)	DNAH11 (2.5)
0.96	>=0.20	GSTM4 (3.1)	ENSG00000226648 (2	IFT172 (2.0)
0.96	>=0.20	TBKBP1 (2.4)	ENSG00000244861 (2	PBX4 (1.9)
0.96	>=0.20	BCAM (2.6)	SORT1 (2.0)	IGF2R (1.9)
0.96	>=0.20	ENSG00000235545 (2	YSK4 (2.5)	DNAH11 (2.3)
0.96	>=0.20	GPR61 (1.9)	CYP26A1 (1.8)	PMFBP1 (1.7)
0.96	>=0.20	PSRC1 (4.1)	POC5 (3.1)	IST1 (2.4)
0.96	>=0.20	C12orf43 (3.4)	ZNF259 (2.9)	ERGIC3 (2.4)
0.96	>=0.20	IZUMO1 (4.4)	POC5 (3.3)	TSSK6 (2.5)
0.96	>=0.20	NYNRIN (2.8)	IST1 (2.6)	CYB561D1 (2.3)
0.96	>=0.20	GOT2P1 (2.5)	COL4A3BP (2.4)	EHBP1 (2.3)
0.96	>=0.20	TRIB1 (3.2)	BMPR2 (2.6)	MAFB (2.5)
0.96	>=0.20	ZNF513 (3.8)	TXNL4B (2.6)	BUD13 (2.1)
0.96	>=0.20	SYPL2 (6.2)	TRIM54 (5.7)	MAMSTR (3.1)
0.96	>=0.20	RAB3GAP1 (3.4)	SARS (3.1)	NRBP1 (3.0)
0.96	>=0.20	HAVCR1 (3.0)	POLK (2.2)	MAP3K4 (2.1)
0.96	>=0.20	YIPF2 (4.2)	UBXN4 (3.7)	NRBP1 (3.3)
0.96	>=0.20	ATXN1L (3.5)	USP1 (2.3)	CEP250 (2.2)
0.96	>=0.20	YIPF2 (2.7)	SORT1 (2.7)	CLPTM1 (2.4)
0.96	>=0.20	FADS2 (2.5)	DARS (2.3)	GPR61 (2.3)
0.96	>=0.20	GMIP (3.4)	ENSG00000226806 (2	MAFB (2.5)
0.96	>=0.20	SYPL2 (5.7)	TRIM54 (5.1)	MAMSTR (4.0)
0.96	>=0.20	SYPL2 (5.7)	TRIM54 (5.1)	MAMSTR (4.0)
0.96	>=0.20	ENSG00000182329 (3	NCAN (3.1)	GPR61 (2.9)
0.96	>=0.20	GPR61 (3.3)	NCAN (2.7)	ENSG00000226806 (2
0.96	>=0.20	ABO (2.1)	ST3GAL4 (1.9)	C17orf57 (1.9)
0.96	>=0.20	RAB3GAP1 (3.2)	ZHX3 (2.9)	ENSG00000226645 (2
0.96	>=0.20	FUT2 (3.0)	IFT172 (2.6)	CETP (1.8)

0.96	>=0.20	ENSG00000244861 (2	ENSG00000228044 (2	GMIP (2.1)
0.96	>=0.20	MYLIP (2.6)	ZNF821 (2.0)	MAFB (1.9)
0.96	>=0.20	CELSR2 (2.4)	NCAN (2.3)	ZNF821 (2.2)
0.96	>=0.20	TXNL4B (2.9)	ATXN7L2 (2.7)	ZNF259 (2.6)
0.96	>=0.20	FER1L4 (2.6)	NCAN (2.4)	R3HDM1 (2.4)
0.96	>=0.20	SPATC1 (2.7)	DNAH11 (2.6)	ATXN7L2 (2.6)
0.96	>=0.20	IFT172 (3.3)	ERGIC3 (3.1)	POC5 (1.7)
0.96	>=0.20	ENSG00000256731 (2	PSRC1 (2.0)	IGF2R (1.9)
0.96	>=0.20	PARP10 (2.9)	CELSR2 (2.5)	PVR (2.4)
0.96	>=0.20	FER1L4 (3.9)	ABCA6 (2.2)	NCAN (2.2)
0.96	>=0.20	TRIM54 (4.4)	FER1L4 (3.4)	FUT1 (2.4)
0.96	>=0.20	IFT172 (3.8)	YSK4 (2.8)	DNAH11 (2.4)
0.96	>=0.20	ENSG00000228044 (2	ZNF513 (1.7)	LIPG (1.6)
0.96	>=0.20	GATAD2A (3.1)	MAU2 (2.3)	NPEPPS (2.2)
0.96	>=0.20	LPIN3 (2.5)	MYLIP (2.1)	SLC44A2 (1.9)
0.96	>=0.20	MAU2 (1.8)	HNF1A (1.7)	HAVCR1 (1.2)
0.96	>=0.20	GNAI3 (5.1)	SNX17 (2.9)	GATAD2A (2.9)
0.96	>=0.20	GNAT2 (2.3)	OBP2B (2.2)	RP1 (2.1)
0.96	>=0.20	GSTM4 (3.1)	ZNF821 (2.5)	ENSG00000254235 (1
0.96	>=0.20	ATXN1L (4.6)	TXNL4B (4.0)	SUMO1 (2.8)
0.96	>=0.20	DNAH11 (3.6)	HAPLN4 (2.3)	OTX1 (2.3)
0.96	>=0.20	RAB3GAP1 (3.5)	NRBP1 (3.3)	USP24 (2.9)
0.96	>=0.20	SUGP1 (3.3)	C12orf43 (3.3)	ATXN7L2 (3.2)
0.96	>=0.20	NCAN (3.5)	FADS1 (3.0)	CELSR2 (2.4)
0.96	>=0.20	MCM6 (3.3)	ZRANB3 (2.8)	USP1 (2.6)
0.96	>=0.20	MCM6 (3.3)	ZRANB3 (2.8)	USP1 (2.6)
0.96	>=0.20	ATP13A1 (3.8)	ERGIC3 (3.5)	GPR61 (2.6)
0.96	>=0.20	NOP58 (2.9)	SARS (2.6)	PPM1G (2.4)
0.96	>=0.20	ENSG00000256731 (3	SLC22A3 (2.7)	YSK4 (2.3)
0.96	>=0.20	ZHX3 (2.7)	R3HDM1 (2.7)	ZNF821 (2.7)
0.96	>=0.20	DNAH11 (2.0)	LPIN3 (1.9)	OBP2B (1.7)
0.96	>=0.20	YIPF2 (3.7)	C12orf43 (2.1)	ATP13A1 (1.9)
0.96	>=0.20	DNAH11 (2.2)	AMIGO1 (1.9)	COL4A3BP (1.7)
0.96	>=0.20	SUMO1 (2.7)	SUGP1 (2.7)	BUD13 (2.4)
0.96	>=0.20	ZNF513 (3.5)	TXNL4B (3.1)	ATXN1L (2.6)
0.96	>=0.20	USP24 (2.2)	ATXN7L2 (2.1)	ENSG00000244861 (2
0.96	>=0.20	SYPL2 (3.8)	GPR61 (2.9)	R3HDM1 (2.9)
0.96	>=0.20	ATXN7L2 (3.4)	ZNF513 (1.9)	CELSR2 (1.9)
0.96	>=0.20	GNAT2 (4.2)	RP1 (3.4)	GPR61 (2.6)
0.96	>=0.20	ENSG00000256731 (4	CYB561D1 (3.6)	GSTM5 (3.0)
0.96	>=0.20	SARS (5.6)	FUT1 (3.5)	ZNF259 (3.0)
0.96	>=0.20	RAB3GAP1 (3.1)	ENSG00000226645 (2	ZHX3 (2.8)
0.96	>=0.20	FUT1 (3.6)	KRTCAP3 (2.6)	CBLC (2.5)
0.96	>=0.20	LPAR2 (2.5)	C12orf43 (1.9)	MAU2 (1.8)
0.96	>=0.20	SLC22A2 (5.3)	ZHX3 (2.3)	PLG (2.2)
0.96	>=0.20	SLC22A2 (3.5)	HAVCR1 (3.1)	AMIGO1 (2.4)
0.96	>=0.20	SORT1 (3.0)	AMPD2 (2.8)	RP1 (2.4)
0.96	>=0.20	NPEPPS (2.3)	ATXN7L2 (2.2)	DHODH (2.1)
0.96	>=0.20	FER1L4 (3.2)	ENSG00000182329 (2	NCAN (2.2)
0.96	>=0.20	GDF5 (2.2)	MYLIP (2.0)	CYP26A1 (1.9)

0.96	>=0.20	MYLIP (2.2)	CYP26A1 (2.2)	ENSG00000235545 (2
0.96	>=0.20	R3HDM1 (2.6)	GATAD2A (2.3)	TBKBP1 (2.1)
0.96	>=0.20	FUT2 (3.7)	HAPLN4 (3.6)	ZNF821 (2.2)
0.96	>=0.20	FER1L4 (2.3)	NCAN (2.3)	ENSG00000182329 (1
0.96	>=0.20	FUT2 (4.1)	LPAL2 (1.9)	TSSK6 (1.8)
0.96	>=0.20	BUD13 (3.0)	C12orf43 (3.0)	C19orf52 (2.3)
0.96	>=0.20	ERGIC3 (2.1)	NFE2L3 (1.9)	NCAN (1.8)
0.96	>=0.20	IST1 (2.8)	ZNF513 (2.7)	TOP1 (2.6)
0.97	>=0.20	PLCG1 (4.5)	ZHX3 (1.8)	ENSG00000226806 (1
0.97	>=0.20	GOT2P1 (2.7)	TSSK6 (2.7)	LPIN3 (2.1)
0.97	>=0.20	DNAH11 (2.5)	ENSG00000182329 (2	GPR61 (2.3)
0.97	>=0.20	DNAH11 (2.5)	ENSG00000182329 (2	GPR61 (2.3)
0.97	>=0.20	DNAH11 (2.5)	ENSG00000182329 (2	GPR61 (2.3)
0.97	>=0.20	PLCG1 (3.4)	APOE (2.3)	ENSG00000226806 (1
0.97	>=0.20	GNAI3 (4.7)	C12orf43 (3.4)	NRBP1 (3.2)
0.97	>=0.20	ZHX3 (2.7)	BUD13 (2.2)	TXNL4B (2.1)
0.97	>=0.20	NCAN (2.3)	CELSR2 (2.3)	ZNF821 (2.2)
0.97	>=0.20	RP1 (3.3)	LCT (2.5)	AMIGO1 (2.1)
0.97	>=0.20	FUT1 (3.4)	ENSG00000226648 (3	C17orf57 (2.4)
0.97	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	SMARCA4 (2.1)
0.97	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	SMARCA4 (2.1)
0.97	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	SMARCA4 (2.1)
0.97	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	SMARCA4 (2.1)
0.97	>=0.20	GOT2P1 (3.0)	TSSK6 (2.9)	ENSG00000236436 (1
0.97	>=0.20	HAPLN4 (3.3)	ENSG00000236267 (2	C11orf9 (2.5)
0.97	>=0.20	GDF5 (3.0)	FUT2 (2.9)	MYLIP (2.1)
0.97	>=0.20	NCAN (3.3)	OTX1 (3.1)	LCT (2.3)
0.97	>=0.20	AMIGO1 (3.0)	CELSR2 (2.6)	NCAN (2.5)
0.97	>=0.20	PLCG1 (2.6)	PBX4 (2.6)	RELB (2.1)
0.97	>=0.20	GSTM5 (2.9)	OBP2B (2.3)	SLC22A2 (1.9)
0.97	>=0.20	GPR61 (2.7)	CELSR2 (2.4)	NCAN (2.2)
0.97	>=0.20	ZRANB3 (4.4)	MCM6 (3.7)	FEN1 (3.5)
0.97	>=0.20	NPEPPS (2.4)	EHBP1 (2.2)	PVR (2.2)
0.97	>=0.20	PBX4 (3.4)	LPAR2 (2.7)	NCAN (2.6)
0.97	>=0.20	YIPF2 (3.2)	UBXN4 (3.1)	GRINA (2.0)
0.97	>=0.20	CLPTM1 (2.8)	ENSG00000231204 (2	YIPF2 (2.5)
0.97	>=0.20	NCAN (2.5)	SORT1 (2.1)	FER1L4 (1.9)
0.97	>=0.20	SLC22A2 (3.0)	ZHX3 (2.0)	SLC22A3 (1.9)
0.97	>=0.20	MAP3K4 (3.0)	CARM1 (2.4)	TOP1 (2.3)
0.97	>=0.20	OBP2B (1.7)	GATAD2A (1.6)	GNAT2 (1.4)
0.97	>=0.20	TRIM54 (3.8)	ENSG00000226648 (2	TBKBP1 (2.2)
0.97	>=0.20	PVRL2 (2.5)	NPEPPS (2.2)	GNAI3 (2.0)
0.97	>=0.20	PSRC1 (5.3)	ZRANB3 (4.2)	FEN1 (4.1)
0.97	>=0.20	ENSG00000254235 (2	ENSG00000226806 (1	MAMSTR (1.7)
0.97	>=0.20	CARM1 (2.2)	GATAD2A (2.1)	SMARCA4 (1.8)
0.97	>=0.20	TSSK6 (3.0)	GOT2P1 (2.8)	LPIN3 (1.8)
0.97	>=0.20	POC5 (4.9)	PSRC1 (4.8)	ZRANB3 (4.1)
0.97	>=0.20	POC5 (4.9)	PSRC1 (4.8)	ZRANB3 (4.1)
0.97	>=0.20	C11orf9 (2.4)	FUT1 (2.3)	BCAM (2.2)
0.97	>=0.20	OTX1 (3.4)	FNDC4 (2.5)	GSTM5 (2.3)

0.97	>=0.20	POC5 (4.9)	PSRC1 (4.9)	ZRANB3 (4.1)
0.97	>=0.20	NCAN (3.5)	CELSR2 (3.4)	R3HDM1 (3.3)
0.97	>=0.20	GPR61 (3.5)	NCAN (3.2)	HAPLN4 (3.1)
0.97	>=0.20	GNAI3 (2.1)	OBP2B (2.0)	C17orf57 (1.9)
0.97	>=0.20	POLK (3.0)	YSK4 (2.5)	ZRANB3 (2.1)
0.97	>=0.20	PSRC1 (5.6)	FEN1 (3.8)	MCM6 (3.2)
0.97	>=0.20	ENSG00000256731 (3	CYB561D1 (3.3)	FUT1 (2.3)
0.97	>=0.20	EHBP1 (3.0)	ENSG00000226622 (2	PVRL2 (2.1)
0.97	>=0.20	ZNF821 (2.1)	ZRANB3 (2.0)	YSK4 (1.9)
0.97	>=0.20	FUT2 (2.6)	ST3GAL4 (2.6)	MYLIP (2.3)
0.97	>=0.20	APOC1 (2.4)	APOE (2.4)	PLCG1 (2.3)
0.97	>=0.20	C17orf57 (2.3)	TSSK6 (1.9)	ENSG00000228044 (1
0.97	>=0.20	PLEC (2.4)	PVR (2.4)	NPEPPS (2.3)
0.97	>=0.20	ABO (2.0)	C17orf57 (1.9)	ST3GAL4 (1.9)
0.97	>=0.20	FUT1 (3.0)	ENSG00000254235 (2	DOCK6 (1.9)
0.97	>=0.20	POLK (2.5)	ENSG00000226648 (2	LPIN3 (1.9)
0.97	>=0.20	HAPLN4 (3.6)	R3HDM1 (2.5)	NCAN (2.0)
0.97	>=0.20	HAPLN4 (2.1)	KANK2 (1.8)	ATP13A1 (1.7)
0.97	>=0.20	HAPLN4 (5.1)	APOE (2.3)	ABCA1 (2.0)
0.97	>=0.20	ENSG00000226622 (2	ENSG00000226648 (2	TXNL4B (2.3)
0.97	>=0.20	YSK4 (2.4)	ENSG00000235545 (2	MYLIP (2.0)
0.97	>=0.20	C19orf52 (2.7)	GRINA (2.6)	SARS (2.4)
0.97	>=0.20	YIPF2 (2.7)	SORT1 (2.7)	IST1 (2.3)
0.97	>=0.20	CELSR2 (2.4)	USP1 (2.2)	ATXN1L (1.9)
0.97	>=0.20	FER1L4 (3.1)	TOP1 (2.9)	CARM1 (2.5)
0.97	>=0.20	KRTCAP3 (2.5)	FUT2 (2.0)	DNAH11 (1.8)
0.97	>=0.20	FER1L4 (2.3)	ENSG00000182329 (2	CELSR2 (1.8)
0.97	>=0.20	SLC22A3 (2.0)	ENSG00000226648 (1	ZNF821 (1.8)
0.97	>=0.20	FUT2 (3.0)	ABCA5 (2.1)	ENSG00000231204 (2
0.97	>=0.20	POLK (2.7)	CEP250 (2.5)	ZRANB3 (2.3)
0.97	>=0.20	C11orf9 (2.3)	GNAI3 (1.8)	TOMM40 (1.8)
0.97	>=0.20	YIPF2 (4.0)	NRBP1 (3.3)	ERGIC3 (3.0)
0.97	>=0.20	ATXN1L (3.2)	GMIP (3.1)	DHX38 (3.0)
0.97	>=0.20	TRIM54 (7.6)	SYPL2 (5.4)	KANK2 (1.3)
0.97	>=0.20	YIPF2 (3.3)	ENSG00000226648 (2	ENSG00000235545 (2
0.97	>=0.20	ZRANB3 (2.8)	BUD13 (2.5)	CEP250 (2.3)
0.97	>=0.20	FER1L4 (3.0)	NCAN (2.6)	SORT1 (2.1)
0.97	>=0.20	ATXN7L2 (2.7)	NRBP1 (2.6)	C19orf52 (2.4)
0.97	>=0.20	IST1 (3.7)	ZNF513 (3.5)	PGS1 (3.2)
0.97	>=0.20	ZRANB3 (3.5)	SUMO1 (2.9)	TXNL4B (2.9)
0.97	>=0.20	HAPLN4 (4.5)	NCAN (2.6)	COL4A3BP (2.4)
0.97	>=0.20	ZRANB3 (4.0)	MCM6 (3.1)	ENSG00000235545 (2
0.97	>=0.20	TRIM54 (9.3)	SYPL2 (7.3)	MAMSTR (1.4)
0.97	>=0.20	TRIM54 (5.4)	SYPL2 (2.9)	SORT1 (2.0)
0.97	>=0.20	TRIM54 (3.6)	SYPL2 (3.5)	CYP26A1 (1.9)
0.97	>=0.20	GNAI3 (3.7)	ENSG00000236436 (2	GATAD2A (2.2)
0.97	>=0.20	HAPLN4 (3.1)	NCAN (2.1)	NPEPPS (2.0)
0.97	>=0.20	ZNF513 (2.6)	NPEPPS (2.4)	ATXN7L2 (2.3)
0.97	>=0.20	FER1L4 (3.1)	NCAN (2.4)	CELSR2 (1.9)
0.97	>=0.20	TXNL4B (4.0)	SUMO1 (3.4)	BUD13 (2.7)

0.97	>=0.20	C12orf43 (4.2)	GOT2P1 (2.3)	DHODH (2.2)
0.97	>=0.20	ENSG00000235545 (3	PBX4 (2.8)	GDF5 (2.7)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	PSMA5 (3.4)	TXNL4B (2.5)	POC5 (2.1)
0.97	>=0.20	TOP1 (2.4)	SUMO1 (2.3)	SMARCA4 (2.2)
0.97	>=0.20	TRIM54 (3.3)	ENSG00000254235 (2	SYPL2 (2.1)
0.97	>=0.20	SMARCA4 (2.5)	ENSG00000182329 (2	R3HDM1 (2.3)
0.97	>=0.20	NRBP1 (2.5)	CARM1 (2.0)	OASL (2.0)
0.97	>=0.20	ZRANB3 (3.6)	CEP250 (2.8)	R3HDM1 (2.7)
0.97	>=0.20	POC5 (3.7)	POLK (2.8)	ZRANB3 (2.6)
0.97	>=0.20	NRBP1 (3.1)	KRTCAP3 (2.7)	SUMO1 (2.5)
0.97	>=0.20	NOP58 (2.4)	ZNF259 (2.3)	DHX38 (2.1)
0.97	>=0.20	USP24 (2.8)	ATXN1L (2.2)	BUD13 (2.1)
0.97	>=0.20	TRIM54 (3.8)	ENSG00000226648 (3	TBKBP1 (2.3)
0.97	>=0.20	LCT (3.0)	COL4A3BP (2.5)	ABCG8 (2.5)
0.97	>=0.20	PLEC (2.2)	POLK (2.1)	POC5 (2.0)
0.97	>=0.20	CLPTM1 (3.0)	SNX17 (2.9)	ERGIC3 (2.9)
0.97	>=0.20	PBX4 (1.9)	IZUMO1 (1.9)	POLK (1.9)
0.97	>=0.20	PSRC1 (5.8)	FEN1 (4.7)	MCM6 (4.0)
0.97	>=0.20	SUMO1 (2.4)	PPM1G (2.3)	SMARCA4 (2.1)
0.97	>=0.20	HAPLN4 (3.2)	NPEPPS (1.9)	ENSG00000235545 (1
0.97	>=0.20	CELSR2 (3.5)	NCAN (2.6)	HAPLN4 (2.3)
0.97	>=0.20	SMARCA4 (2.8)	BUD13 (2.3)	USP1 (2.2)
0.97	>=0.20	ST3GAL4 (2.2)	ABO (2.0)	TSSK6 (1.7)
0.97	>=0.20	C19orf52 (3.1)	ENSG00000231204 (1	ZNF259 (1.8)
0.97	>=0.20	C19orf52 (3.1)	ENSG00000231204 (1	ZNF259 (1.8)
0.97	>=0.20	ZNF513 (3.5)	TXNL4B (3.0)	RAB3GAP1 (2.5)
0.97	>=0.20	COL4A3BP (2.3)	NRBP1 (2.1)	EHBP1 (2.0)
0.97	>=0.20	CILP2 (5.2)	LPL (2.4)	TBKBP1 (2.3)
0.97	>=0.20	TRIM54 (3.7)	SYPL2 (3.1)	LCT (2.2)
0.97	>=0.20	C12orf43 (3.4)	TXNL4B (3.1)	RAB3GAP1 (3.1)
0.97	>=0.20	BUD13 (3.2)	DOCK7 (2.7)	ENSG00000256731 (2
0.97	>=0.20	SORT1 (2.9)	GSTM5 (2.9)	ST3GAL4 (2.7)
0.97	>=0.20	SORT1 (2.9)	GSTM5 (2.9)	ST3GAL4 (2.7)
0.97	>=0.20	TBKBP1 (2.3)	USP24 (1.8)	ZHX3 (1.7)
0.97	>=0.20	YIPF2 (4.1)	SNX17 (3.3)	RAB3GAP1 (2.7)
0.97	>=0.20	GRINA (3.4)	IGF2R (3.0)	SARS (2.8)
0.97	>=0.20	ZNF259 (3.3)	ERGIC3 (2.5)	C12orf43 (2.2)
0.97	>=0.20	DNAH11 (3.2)	SLC22A2 (2.1)	GPR61 (2.1)
0.97	>=0.20	DNAH11 (3.2)	SLC22A2 (2.1)	GPR61 (2.1)
0.97	>=0.20	DNAH11 (3.2)	SLC22A2 (2.1)	GPR61 (2.1)
0.97	>=0.20	OBP2B (3.2)	ATXN7L2 (2.7)	MAMSTR (1.9)
0.97	>=0.20	C11orf9 (3.5)	HAPLN4 (2.8)	AMPD2 (2.6)
0.97	>=0.20	NCAN (4.1)	GPR61 (2.5)	KRTCAP3 (2.0)
0.97	>=0.20	ZNF513 (4.7)	BUD13 (3.2)	RAB3GAP1 (2.2)
0.97	>=0.20	SYPL2 (6.2)	TRIM54 (5.8)	ENSG00000226648 (2

0.97	>=0.20	GSTM5 (2.7)	ZHX3 (2.6)	SORT1 (2.6)
0.97	>=0.20	TRIB1 (4.6)	AMIGO1 (2.0)	TBKBP1 (1.9)
0.97	>=0.20	GDF5 (2.8)	ZNF821 (2.3)	LPAR2 (2.3)
0.97	>=0.20	PSMA5 (2.9)	C19orf52 (2.6)	SNX17 (2.5)
0.97	>=0.20	LCT (3.1)	TRIM54 (3.0)	NUP93 (2.1)
0.97	>=0.20	GNAI3 (2.2)	GMIP (2.2)	PARP10 (2.1)
0.97	>=0.20	MYLIP (2.4)	C19orf52 (2.1)	ENSG00000231204 (1
0.97	>=0.20	HAVCR1 (3.2)	COL4A3BP (2.5)	LPAL2 (2.5)
0.97	>=0.20	CELSR2 (3.1)	GPR61 (3.0)	ENSG00000182329 (2
0.97	>=0.20	AMPD2 (2.7)	SORT1 (2.7)	RP1 (2.4)
0.97	>=0.20	PSRC1 (4.4)	ZRANB3 (4.2)	POC5 (4.0)
0.97	>=0.20	ZNF259 (3.8)	ERGIC3 (2.4)	C12orf43 (2.0)
0.97	>=0.20	NCAN (3.3)	CELSR2 (3.1)	YSK4 (2.5)
0.97	>=0.20	SUMO1 (3.8)	IST1 (2.6)	USP24 (2.3)
0.97	>=0.20	OASL (2.9)	DHODH (2.7)	FEN1 (2.5)
0.97	>=0.20	TRIM54 (4.1)	HNF1A (3.1)	ENSG00000226806 (2
0.97	>=0.20	FUT1 (2.7)	NCAN (2.3)	ZNF821 (2.2)
0.97	>=0.20	TXNL4B (3.0)	IST1 (2.4)	TOP1 (2.3)
0.97	>=0.20	ZNF821 (3.1)	DHODH (2.5)	C12orf43 (2.3)
0.97	>=0.20	LCT (2.5)	ZNF259 (2.4)	ATP13A1 (2.3)
0.97	>=0.20	TRIM54 (3.3)	GPR61 (3.0)	ENSG00000182329 (2
0.97	>=0.20	OTX1 (3.0)	ABO (3.0)	DNAH11 (2.6)
0.97	>=0.20	GMIP (2.5)	OTX1 (2.1)	LCT (1.9)
0.97	>=0.20	CILP2 (3.4)	GDF5 (3.4)	NYNRIN (2.4)
0.97	>=0.20	CBLC (2.2)	BCAM (2.1)	C11orf9 (2.0)
0.97	>=0.20	UBXN4 (4.0)	C12orf43 (2.8)	DARS (2.8)
0.97	>=0.20	ATXN1L (3.1)	SORT1 (3.0)	YIPF2 (2.9)
0.97	>=0.20	SYPL2 (3.4)	BMPR2 (2.9)	R3HDM1 (2.5)
0.97	>=0.20	NCAN (3.0)	ENSG00000254235 (2	CELSR2 (2.3)
0.97	>=0.20	CILP2 (1.9)	YIPF2 (1.8)	LPL (1.4)
0.97	>=0.20	NRBP1 (3.2)	GNAI3 (2.7)	PLEC (2.7)
0.97	>=0.20	EHBP1 (2.6)	R3HDM1 (2.2)	GSTM5 (1.9)
0.97	>=0.20	YIPF2 (3.2)	AMPD2 (3.0)	HAPLN4 (2.8)
0.97	>=0.20	CELSR2 (3.2)	OTX1 (3.0)	NCAN (3.0)
0.97	>=0.20	PGS1 (2.4)	C19orf52 (2.3)	GOT2P1 (2.3)
0.97	>=0.20	CELSR2 (2.4)	OBP2B (2.0)	SLC44A2 (2.0)
0.97	>=0.20	MAU2 (1.9)	PSMA5 (1.8)	GOT2P1 (1.6)
0.97	>=0.20	ABO (4.0)	ENSG00000182329 (3	ENSG00000235545 (3
0.97	>=0.20	POC5 (3.1)	PSRC1 (2.3)	ZRANB3 (2.1)
0.97	>=0.20	POC5 (3.1)	PSRC1 (2.3)	ZRANB3 (2.1)
0.97	>=0.20	USP24 (3.2)	C12orf43 (3.2)	SUMO1 (2.3)
0.97	>=0.20	PSMA5 (2.7)	TOMM40 (2.2)	GOT2P1 (1.9)
0.98	>=0.20	ATXN7L2 (3.0)	ENSG00000256731 (2	TOMM40 (2.5)
0.98	>=0.20	RAB3GAP1 (3.2)	ZHX3 (2.9)	ENSG00000226645 (2
0.98	>=0.20	RAB3GAP1 (3.2)	ZHX3 (2.9)	ENSG00000226645 (2
0.98	>=0.20	IFT172 (2.4)	C19orf52 (1.8)	RAB3GAP1 (1.7)
0.98	>=0.20	TRIM54 (3.4)	SYPL2 (3.0)	HNF4A (1.8)
0.98	>=0.20	KRTCAP3 (3.4)	ENSG00000231204 (2	ZNF513 (2.2)
0.98	>=0.20	DNAH11 (2.6)	CEP250 (2.3)	USP1 (2.1)
0.98	>=0.20	ENSG00000226806 (2	PLCG1 (2.4)	APOE (2.2)

0.98	>=0.20	FEN1 (5.7)	MCM6 (5.3)	USP1 (4.7)
0.98	>=0.20	GNAT2 (3.0)	DARS (2.6)	DHODH (2.5)
0.98	>=0.20	GMIP (2.1)	RAB3GAP1 (1.6)	SLC44A2 (1.5)
0.98	>=0.20	POC5 (3.4)	DNAH11 (2.9)	C17orf57 (2.1)
0.98	>=0.20	HAPLN4 (3.3)	GNAT2 (2.5)	ABCG8 (2.3)
0.98	>=0.20	PBX4 (2.1)	LCT (1.9)	SPATC1 (1.9)
0.98	>=0.20	OTX1 (2.8)	CELSR2 (2.7)	TSSK6 (2.5)
0.98	>=0.20	PBX4 (2.1)	ZRANB3 (1.7)	CEP250 (1.4)
0.98	>=0.20	YIPF2 (4.6)	UBXN4 (2.6)	IFT172 (2.1)
0.98	>=0.20	RAB3GAP1 (2.3)	OASL (2.3)	YIPF2 (2.2)
0.98	>=0.20	GMIP (3.5)	SNX17 (3.0)	KPNB1 (2.7)
0.98	>=0.20	C12orf43 (3.3)	POC5 (2.8)	SUGP1 (2.1)
0.98	>=0.20	TBKBP1 (2.4)	C17orf57 (2.1)	PBX4 (2.1)
0.98	>=0.20	USP24 (2.7)	SORT1 (2.6)	EHBP1 (2.4)
0.98	>=0.20	YIPF2 (2.5)	C19orf52 (2.5)	ENSG00000226645 (2
0.98	>=0.20	LPIN3 (3.2)	CBLC (3.0)	COL4A3BP (2.5)
0.98	>=0.20	OASL (3.3)	PARP10 (2.9)	DNAH11 (2.2)
0.98	>=0.20	MAMSTR (5.9)	SYPL2 (2.8)	SLC22A3 (2.8)
0.98	>=0.20	NCAN (3.0)	C12orf43 (2.6)	CELSR2 (2.1)
0.98	>=0.20	CARM1 (2.6)	SUMO1 (2.3)	GATAD2A (2.1)
0.98	>=0.20	ATXN7L2 (3.3)	GNAI3 (2.6)	POC5 (2.3)
0.98	>=0.20	ATXN7L2 (3.3)	GNAI3 (2.6)	POC5 (2.3)
0.98	>=0.20	ENSG00000244861 (1	HAVCR1 (1.7)	TBKBP1 (1.7)
0.98	>=0.20	ENSG00000244861 (1	HAVCR1 (1.7)	TBKBP1 (1.7)
0.98	>=0.20	ENSG00000244861 (1	HAVCR1 (1.7)	TBKBP1 (1.7)
0.98	>=0.20	R3HDM1 (3.2)	EHBP1 (2.4)	RAB3GAP1 (2.4)
0.98	>=0.20	OTX1 (2.6)	NCAN (2.4)	TSSK6 (2.0)
0.98	>=0.20	SUGP1 (2.5)	TOP1 (2.3)	DHX38 (2.1)
0.98	>=0.20	ABO (3.3)	GPR61 (2.6)	ENSG00000235545 (2
0.98	>=0.20	FER1L4 (2.5)	TXNL4B (2.4)	C19orf52 (2.4)
0.98	>=0.20	FER1L4 (2.5)	TXNL4B (2.4)	C19orf52 (2.4)
0.98	>=0.20	OTX1 (2.7)	ENSG00000231204 (2	PBX4 (2.2)
0.98	>=0.20	CYP26A1 (2.4)	CELSR2 (2.0)	BMPR2 (1.9)
0.98	>=0.20	ERGIC3 (2.5)	NCAN (2.5)	HAPLN4 (2.0)
0.98	>=0.20	ABO (2.4)	PLEC (2.2)	ATXN7L2 (2.1)
0.98	>=0.20	COL4A3BP (2.3)	NPEPPS (2.3)	ENSG00000244861 (2
0.98	>=0.20	ENSG00000226806 (3	SUMO1 (2.7)	SUGP1 (2.6)
0.98	>=0.20	PSRC1 (5.0)	FEN1 (4.1)	ZRANB3 (3.6)
0.98	>=0.20	NYNRIN (3.2)	GDF5 (2.8)	CILP2 (2.4)
0.98	>=0.20	COL4A3BP (2.4)	PMFBP1 (2.2)	ERGIC3 (1.9)
0.98	>=0.20	C12orf43 (3.5)	BUD13 (2.4)	C19orf52 (2.3)
0.98	>=0.20	NCAN (2.7)	FER1L4 (2.5)	FNDC4 (2.3)
0.98	>=0.20	TSSK6 (6.3)	SPATC1 (4.9)	IZUMO1 (4.0)
0.98	>=0.20	GOT2P1 (3.4)	TOMM40 (2.2)	ZNF259 (1.9)
0.98	>=0.20	SORT1 (2.1)	LPAL2 (2.1)	SLC22A3 (2.0)
0.98	>=0.20	DNAH11 (2.5)	HAPLN4 (2.3)	SPATC1 (2.3)
0.98	>=0.20	TRIM54 (3.0)	ENSG00000254235 (2	TSSK6 (2.1)
0.98	>=0.20	CEP250 (2.3)	SUGP1 (2.2)	ZRANB3 (2.1)
0.98	>=0.20	ZRANB3 (2.9)	USP1 (2.7)	MCM6 (2.5)
0.98	>=0.20	AMIGO1 (2.5)	HAPLN4 (2.3)	ENSG00000254235 (2

0.98	>=0.20	TRIM54 (5.0)	SYPL2 (3.5)	ENSG00000226648 (2
0.98	>=0.20	ENSG00000256731 (3	GNAI3 (3.0)	CYB561D1 (2.3)
0.98	>=0.20	DNAH11 (2.7)	YSK4 (2.0)	ENSG00000226622 (2
0.98	>=0.20	KANK2 (2.8)	NRBP1 (2.5)	PLEC (2.5)
0.98	>=0.20	USP24 (2.4)	FUT2 (2.0)	ENSG00000231204 (2
0.98	>=0.20	GMIP (2.3)	ZHX3 (2.2)	CYB561D1 (2.0)
0.98	>=0.20	HAVCR1 (3.6)	ENSG00000182329 (2	HNF1A (2.2)
0.98	>=0.20	IST1 (2.9)	ZNF513 (2.8)	MAU2 (2.5)
0.98	>=0.20	SMARCA4 (2.5)	BUD13 (2.3)	SUMO1 (2.3)
0.98	>=0.20	TXNL4B (3.6)	SUGP1 (3.1)	NUP93 (2.5)
0.98	>=0.20	SORT1 (2.7)	R3HDM1 (2.5)	TRIM54 (1.9)
0.98	>=0.20	ERGIC3 (2.4)	KPNB1 (2.0)	PPM1G (1.7)
0.98	>=0.20	BUD13 (2.2)	SUGP1 (2.1)	SUMO1 (2.0)
0.98	>=0.20	ENSG00000236436 (3	DNAH11 (2.2)	TBKBP1 (2.2)
0.98	>=0.20	TOMM40 (1.9)	ENSG00000226645 (1	NOP58 (1.2)
0.98	>=0.20	CLPTM1 (3.7)	RAB3GAP1 (3.2)	COL4A3BP (3.0)
0.98	>=0.20	ENSG00000236267 (3	PGS1 (2.1)	IFT172 (2.0)
0.98	>=0.20	MAP3K4 (2.7)	R3HDM1 (2.7)	BUD13 (2.4)
0.98	>=0.20	IFT172 (3.2)	CYP26A1 (2.1)	YSK4 (2.0)
0.98	>=0.20	NCAN (3.4)	FER1L4 (3.3)	ENSG00000182329 (2
0.98	>=0.20	KRTCAP3 (2.2)	C19orf52 (2.1)	AMIGO1 (2.0)
0.98	>=0.20	NCAN (3.2)	OTX1 (2.4)	CELSR2 (2.4)
0.98	>=0.20	FEN1 (4.8)	USP1 (4.3)	MCM6 (4.2)
0.98	>=0.20	GNAI3 (2.4)	SYPL2 (2.2)	IST1 (2.1)
0.98	>=0.20	PSRC1 (2.7)	SORT1 (2.4)	NRBP1 (2.2)
0.98	>=0.20	SUMO1 (3.0)	BUD13 (2.9)	SUGP1 (2.4)
0.98	>=0.20	HAPLN4 (2.6)	SLC22A3 (2.4)	ENSG00000231204 (2
0.98	>=0.20	GNAI3 (3.4)	COL4A3BP (2.4)	NRBP1 (2.1)
0.98	>=0.20	PSRC1 (5.9)	FEN1 (3.3)	MCM6 (2.9)
0.98	>=0.20	C12orf43 (2.8)	PSMA5 (2.7)	GPR61 (1.6)
0.98	>=0.20	C12orf43 (2.8)	PSMA5 (2.7)	GPR61 (1.6)
0.98	>=0.20	RASIP1 (2.4)	PMFBP1 (2.1)	FUT2 (2.1)
0.98	>=0.20	PARP10 (2.6)	ENSG00000256731 (2	FER1L4 (2.0)
0.98	>=0.20	BCAM (4.0)	CLPTM1 (3.2)	CELSR2 (2.6)
0.98	>=0.20	FEN1 (6.0)	MCM6 (6.0)	USP1 (4.2)
0.98	>=0.20	ATXN1L (3.4)	FER1L4 (2.9)	SNX17 (2.4)
0.98	>=0.20	TRIM54 (3.7)	ENSG00000226648 (2	SPATC1 (2.4)
0.98	>=0.20	HAVCR1 (2.7)	ENSG00000244861 (2	PSRC1 (2.4)
0.98	>=0.20	BMPR2 (4.1)	ZNF821 (2.4)	ATXN1L (2.3)
0.98	>=0.20	PLEC (3.0)	PVR (2.9)	TRIM54 (2.6)
0.98	>=0.20	HAPLN4 (3.8)	COL4A3BP (2.5)	AMIGO1 (2.1)
0.98	>=0.20	IST1 (2.4)	KPNB1 (2.3)	DOCK7 (2.2)
0.98	>=0.20	MCM6 (3.7)	USP1 (3.7)	FEN1 (3.5)
0.98	>=0.20	CARM1 (2.3)	SUMO1 (2.1)	GATAD2A (2.1)
0.98	>=0.20	HAPLN4 (5.8)	C11orf9 (4.0)	CELSR2 (2.4)
0.98	>=0.20	ENSG00000256731 (3	FER1L4 (2.9)	ENSG00000236267 (2
0.98	>=0.20	ZNF513 (3.5)	TXNL4B (3.4)	IST1 (2.5)
0.98	>=0.20	PSRC1 (3.1)	GNAI3 (2.9)	SUMO1 (2.4)
0.98	>=0.20	MYLIP (2.5)	ENSG00000235545 (2	OBP2B (2.2)
0.98	>=0.20	GPR61 (3.6)	NCAN (2.8)	RP1 (2.8)

0.98	>=0.20	GDF5 (2.4)	KANK2 (1.9)	C11orf9 (1.6)
0.98	>=0.20	RELB (6.7)	NFE2L3 (3.0)	C12orf43 (3.0)
0.98	>=0.20	GPR61 (3.7)	FER1L4 (2.5)	TSSK6 (2.2)
0.98	>=0.20	CYB561D1 (3.0)	FUT1 (2.5)	C17orf57 (2.3)
0.98	>=0.20	TRIM54 (9.8)	SYPL2 (7.4)	PLEC (1.4)
0.98	>=0.20	LPIN3 (1.9)	SUMO1 (1.6)	PBX4 (1.5)
0.98	>=0.20	YIPF2 (5.7)	IFT172 (3.4)	RAB3GAP1 (2.5)
0.98	>=0.20	C17orf57 (4.0)	SUMO1 (2.6)	PMFBP1 (2.4)
0.98	>=0.20	FUT1 (2.9)	YSK4 (2.7)	PBX4 (2.5)
0.98	>=0.20	GRINA (2.5)	CELSR2 (2.4)	SLC22A3 (2.1)
0.98	>=0.20	POC5 (2.3)	TXNL4B (2.2)	POLK (2.2)
0.98	>=0.20	HAPLN4 (4.5)	IGF2R (2.6)	GPR61 (2.3)
0.98	>=0.20	IFT172 (4.9)	YSK4 (4.1)	DOCK7 (2.3)
0.98	>=0.20	EHBP1 (2.4)	AMPD2 (2.4)	ENSG00000231204 (2
0.98	>=0.20	DHODH (2.5)	C19orf52 (2.2)	ATP13A1 (2.1)
0.98	>=0.20	FER1L4 (2.6)	NCAN (2.3)	C12orf43 (2.0)
0.98	>=0.20	TRIM54 (2.9)	HAVCR1 (2.7)	SYPL2 (2.6)
0.98	>=0.20	ERGIC3 (2.4)	POC5 (2.1)	BMPR2 (2.0)
0.98	>=0.20	OASL (3.0)	GRINA (2.1)	ENSG00000226806 (2
0.98	>=0.20	NCAN (2.5)	R3HDM1 (2.4)	FNDC4 (2.0)
0.98	>=0.20	OTX1 (4.1)	FGF21 (2.3)	FNDC4 (2.3)
0.98	>=0.20	ZNF513 (2.5)	ENSG00000244861 (2	SNX17 (2.1)
0.98	>=0.20	CYB561D1 (2.3)	TSSK6 (2.1)	FUT1 (2.0)
0.98	>=0.20	ZNF513 (2.9)	ZHX3 (2.2)	CLPTM1 (2.2)
0.98	>=0.20	MAMSTR (2.6)	ATXN7L2 (2.0)	MYLIP (1.9)
0.98	>=0.20	PMFBP1 (2.6)	CELSR2 (2.2)	TRIM54 (1.9)
0.98	>=0.20	ENSG00000236267 (2	ENSG00000236436 (2	YSK4 (1.9)
0.98	>=0.20	IFT172 (2.3)	DOCK7 (1.9)	AMIGO1 (1.7)
0.98	>=0.20	ZRANB3 (4.4)	POC5 (4.4)	PSRC1 (4.2)
0.98	>=0.20	CARM1 (1.7)	USP24 (1.6)	FGF21 (1.5)
0.98	>=0.20	ENSG00000226622 (2	ENSG00000228044 (2	ENSG00000256731 (1
0.98	>=0.20	RELB (3.2)	PLCG1 (2.0)	PBX4 (1.8)
0.98	>=0.20	ENSG00000226645 (2	ZRANB3 (2.6)	POC5 (2.3)
0.98	>=0.20	RELB (3.2)	ENSG00000226806 (2	PARP10 (2.5)
0.98	>=0.20	NCAN (3.1)	FER1L4 (2.6)	FNDC4 (2.4)
0.98	>=0.20	IST1 (3.2)	ZNF513 (2.7)	DHX38 (2.5)
0.98	>=0.20	ABCA5 (2.0)	PBX4 (1.9)	NFE2L3 (1.8)
0.98	>=0.20	ZNF259 (2.7)	ENSG00000226806 (2	SNX17 (2.4)
0.98	>=0.20	MCM6 (4.4)	FEN1 (3.4)	ZRANB3 (2.9)
0.98	>=0.20	TRIM54 (6.6)	SYPL2 (6.4)	KANK2 (2.5)
0.98	>=0.20	IFT172 (3.2)	ERGIC3 (2.4)	CYP26A1 (2.1)
0.98	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	HAVCR1 (1.2)
0.98	>=0.20	R3HDM1 (3.1)	HAPLN4 (3.0)	GSTM5 (2.8)
0.98	>=0.20	CETP (2.6)	RP1 (2.5)	AMPD2 (2.2)
0.98	>=0.20	NOP58 (3.5)	KPNB1 (2.8)	FEN1 (2.3)
0.98	>=0.20	GSTM5 (2.9)	ST3GAL4 (2.7)	ZHX3 (2.7)
0.98	>=0.20	SMARCA4 (3.5)	HAVCR1 (3.1)	NCAN (2.2)
0.98	>=0.20	TOMM40 (2.4)	ERGIC3 (2.0)	C19orf52 (1.6)
0.98	>=0.20	TOMM40 (2.4)	ERGIC3 (2.0)	C19orf52 (1.6)
0.98	>=0.20	YIPF2 (4.5)	RAB3GAP1 (2.7)	ENSG00000244861 (2

0.98	>=0.20	ZRANB3 (5.0)	FEN1 (4.2)	MCM6 (3.7)
0.98	>=0.20	C17orf57 (3.4)	SPATC1 (2.5)	TSSK6 (2.0)
0.98	>=0.20	C12orf43 (3.4)	SARS (3.0)	ZNF821 (2.9)
0.98	>=0.20	ENSG00000231204 (3	SUMO1 (2.3)	ENSG00000244861 (2
0.98	>=0.20	OTX1 (2.5)	GPR61 (2.5)	NFE2L3 (2.3)
0.98	>=0.20	NPEPPS (2.4)	ZNF513 (2.4)	POC5 (2.2)
0.98	>=0.20	GDF5 (2.3)	DHODH (2.1)	GSTM4 (2.1)
0.98	>=0.20	C17orf57 (2.2)	TSSK6 (2.1)	PMFBP1 (2.0)
0.98	>=0.20	CILP2 (5.7)	GDF5 (3.1)	HAPLN4 (2.7)
0.98	>=0.20	R3HDM1 (2.3)	COL4A3BP (2.2)	HNF1A (2.2)
0.98	>=0.20	SUMO1 (3.3)	RAB3GAP1 (3.0)	C12orf43 (2.9)
0.98	>=0.20	SUMO1 (2.8)	C19orf52 (2.7)	TXNL4B (2.1)
0.98	>=0.20	GPR61 (3.4)	SLC22A3 (2.7)	OBP2B (2.2)
0.98	>=0.20	NFE2L3 (1.6)	GSTM5 (1.3)	FGF21 (1.3)
0.98	>=0.20	SYPL2 (2.8)	ENSG00000236436 (2	SLC22A3 (1.7)
0.98	>=0.20	YIPF2 (5.7)	IFT172 (3.3)	GNAT2 (2.3)
0.98	>=0.20	YIPF2 (5.7)	IFT172 (3.3)	GNAT2 (2.3)
0.98	>=0.20	YIPF2 (5.7)	IFT172 (3.3)	GNAT2 (2.3)
0.98	>=0.20	FUT2 (3.1)	ABCA5 (2.6)	GOT2P1 (2.3)
0.98	>=0.20	NRBP1 (2.8)	CLPTM1 (2.8)	TOMM40 (2.6)
0.98	>=0.20	MAMSTR (3.3)	GPR61 (3.3)	TRIM54 (2.9)
0.98	>=0.20	GDF5 (3.2)	LPAR2 (3.2)	GSTM5 (2.9)
0.98	>=0.20	ENSG00000244861 (2	ENSG00000236436 (2	FUT1 (2.2)
0.98	>=0.20	POLK (2.6)	C19orf52 (1.9)	SUMO1 (1.8)
0.98	>=0.20	GDF5 (3.0)	MYLIP (2.6)	ENSG00000244861 (2
0.98	>=0.20	CILP2 (4.4)	GDF5 (2.9)	APOE (2.2)
0.98	>=0.20	ENSG00000228044 (2	ENSG00000226806 (2	DARS (2.7)
0.98	>=0.20	ATP13A1 (2.8)	PCSK9 (2.6)	AMIGO1 (1.9)
0.98	>=0.20	PLCG1 (2.9)	APOC1 (2.2)	APOE (2.0)
0.98	>=0.20	SUMO1 (2.2)	ZNF821 (2.2)	BUD13 (2.0)
0.98	>=0.20	GSTM5 (2.7)	ZRANB3 (2.4)	CEP250 (1.9)
0.98	>=0.20	NCAN (3.3)	GPR61 (2.8)	GOT2P1 (2.2)
0.98	>=0.20	ABO (2.5)	ENSG00000182329 (2	HAVCR1 (2.4)
0.98	>=0.20	HAPLN4 (4.8)	IGF2R (2.8)	ABCA5 (2.7)
0.98	>=0.20	SMARCA4 (2.9)	BUD13 (2.3)	SUMO1 (1.9)
0.98	>=0.20	SARS (4.2)	C12orf43 (3.5)	PPM1G (3.1)
0.98	>=0.20	ZRANB3 (4.9)	MCM6 (4.4)	CEP250 (4.1)
0.98	>=0.20	ZRANB3 (4.9)	MCM6 (4.4)	CEP250 (4.1)
0.98	>=0.20	ENSG00000236436 (3	YSK4 (2.9)	SUMO1 (2.7)
0.98	>=0.20	ENSG00000236267 (2	TSSK6 (2.2)	CELSR2 (2.2)
0.98	>=0.20	R3HDM1 (3.1)	NCAN (2.7)	SORT1 (2.2)
0.98	>=0.20	GPR61 (3.9)	SLC22A3 (2.6)	GSTM5 (2.3)
0.98	>=0.20	HAPLN4 (3.3)	GNAT2 (2.6)	NCAN (2.4)
0.98	>=0.20	DNAH11 (2.5)	TSSK6 (1.9)	ABCA5 (1.9)
0.98	>=0.20	POLK (3.5)	POC5 (2.9)	ZRANB3 (2.8)
0.98	>=0.20	YIPF2 (2.7)	NRBP1 (2.4)	RAB3GAP1 (2.3)
0.98	>=0.20	C19orf52 (2.4)	GATAD2A (2.3)	BUD13 (2.1)
0.98	>=0.20	C17orf57 (2.3)	ABO (2.2)	GNAI3 (2.0)
0.98	>=0.20	OTX1 (3.4)	FUT2 (2.7)	HNF1A (2.3)
0.98	>=0.20	LCT (3.1)	YIPF2 (2.9)	APOA4 (2.2)

0.98	>=0.20	ZNF513 (4.0)	IST1 (2.7)	TXNL4B (2.7)
0.98	>=0.20	PBX4 (2.2)	ZRANB3 (1.3)	USP1 (1.2)
0.98	>=0.20	C12orf43 (3.8)	TXNL4B (3.2)	ATXN7L2 (2.8)
0.98	>=0.20	ZNF513 (2.7)	TXNL4B (2.7)	POC5 (2.5)
0.98	>=0.20	BUD13 (2.4)	ENSG00000231204 (2	SMARCA4 (2.2)
0.98	>=0.20	OASL (4.1)	LCT (2.7)	PARP10 (2.6)
0.98	>=0.20	IFT172 (3.6)	GOT2P1 (3.0)	ENSG00000236267 (1
0.98	>=0.20	IFT172 (3.6)	GOT2P1 (3.0)	ENSG00000236267 (1
0.98	>=0.20	IFT172 (3.6)	GOT2P1 (3.0)	ENSG00000236267 (1
0.98	>=0.20	PBX4 (3.2)	USP24 (2.4)	RASIP1 (2.4)
0.98	>=0.20	TXNL4B (4.0)	SUMO1 (3.1)	BUD13 (2.5)
0.98	>=0.20	SLC22A3 (3.1)	ENSG00000226648 (2	ENSG00000244861 (2
0.98	>=0.20	C17orf57 (2.4)	ENSG00000228044 (1	TSSK6 (1.7)
0.98	>=0.20	CELSR2 (2.8)	KRTCAP3 (2.7)	HAVCR1 (2.2)
0.98	>=0.20	TSSK6 (3.0)	MAMSTR (2.6)	AMIGO1 (2.4)
0.98	>=0.20	POC5 (4.2)	DNAH11 (3.4)	POLK (2.9)
0.98	>=0.20	NRBP1 (2.3)	YSK4 (2.2)	SNX17 (2.2)
0.98	>=0.20	ABO (2.6)	GPR61 (2.3)	HAPLN4 (2.3)
0.98	>=0.20	AMIGO1 (2.2)	ENSG00000182329 (2	POLK (2.0)
0.98	>=0.20	TRIM54 (2.7)	ENSG00000254235 (2	CILP2 (1.8)
0.98	>=0.20	ENSG00000226648 (4	MYLIP (2.5)	YSK4 (2.4)
0.98	>=0.20	NCAN (2.3)	C11orf9 (2.2)	ABO (2.2)
0.98	>=0.20	PSMA5 (1.8)	GOT2P1 (1.7)	GSTM4 (1.6)
0.98	>=0.20	BUD13 (2.7)	PSRC1 (2.3)	POC5 (2.3)
0.98	>=0.20	TXNL4B (2.3)	FER1L4 (2.3)	C19orf52 (2.2)
0.98	>=0.20	TXNL4B (2.3)	FER1L4 (2.3)	C19orf52 (2.2)
0.98	>=0.20	ZNF513 (4.0)	TXNL4B (3.1)	BUD13 (2.2)
0.98	>=0.20	FER1L4 (2.7)	NCAN (2.6)	R3HDM1 (2.6)
0.98	>=0.20	RAB3GAP1 (3.5)	CYB561D1 (3.1)	GDF5 (2.8)
0.98	>=0.20	RAB3GAP1 (3.5)	CYB561D1 (3.1)	GDF5 (2.8)
0.98	>=0.20	NCAN (2.9)	ZNF513 (2.4)	GDF5 (2.0)
0.98	>=0.20	TRIM54 (2.7)	C17orf57 (2.3)	C11orf9 (2.1)
0.98	>=0.20	ENSG00000226648 (2	ENSG00000182329 (1	FUT1 (1.8)
0.98	>=0.20	TXNL4B (2.8)	IGF2R (2.4)	GSTM4 (2.3)
0.98	>=0.20	ENSG00000226806 (2	GOT2P1 (2.0)	ENSG00000231204 (1
0.98	>=0.20	C12orf43 (3.3)	POC5 (3.2)	C19orf52 (2.9)
0.98	>=0.20	SUMO1 (2.4)	POC5 (2.3)	SUGP1 (2.1)
0.98	>=0.20	GNAI3 (4.7)	NRBP1 (2.5)	NPEPPS (2.4)
0.98	>=0.20	GNAI3 (4.7)	NRBP1 (2.5)	NPEPPS (2.4)
0.98	>=0.20	SARS (3.1)	COL4A3BP (2.6)	SORT1 (2.2)
0.98	>=0.20	SLC22A3 (2.2)	C12orf43 (2.0)	RASIP1 (1.9)
0.98	>=0.20	SORT1 (1.9)	ABO (1.7)	ST3GAL4 (1.6)
0.98	>=0.20	TRIM54 (8.9)	SYPL2 (6.0)	ENSG00000182329 (1
0.98	>=0.20	GPR61 (3.7)	SLC22A3 (2.6)	GSTM5 (2.4)
0.98	>=0.20	GPR61 (3.7)	SLC22A3 (2.6)	GSTM5 (2.4)
0.98	>=0.20	GPR61 (3.7)	SLC22A3 (2.6)	GSTM5 (2.4)
0.98	>=0.20	TXNL4B (3.0)	COL4A3BP (2.6)	MAP3K4 (2.4)
0.98	>=0.20	TRIM54 (3.5)	GPR61 (3.5)	SYPL2 (2.9)
0.98	>=0.20	LPAR2 (2.0)	AMIGO1 (1.8)	ATXN7L2 (1.8)
0.98	>=0.20	APOC1 (2.2)	APOE (2.1)	PARP10 (2.0)

0.98	>=0.20	USP24 (3.5)	HAVCR1 (3.4)	ABCA1 (3.0)
0.98	>=0.20	SLC22A2 (6.4)	LPAL2 (2.7)	HAVCR1 (2.1)
0.98	>=0.20	GPR61 (3.7)	SLC22A3 (2.6)	GSTM5 (2.4)
0.98	>=0.20	GPR61 (3.7)	SLC22A3 (2.6)	GSTM5 (2.4)
0.98	>=0.20	GPR61 (2.7)	CELSR2 (2.6)	NCAN (2.3)
0.98	>=0.20	AMPD2 (3.7)	GMIP (2.1)	FER1L4 (2.0)
0.98	>=0.20	BUD13 (2.2)	ENSG00000231204 (2	TOP1 (1.6)
0.98	>=0.20	YSK4 (3.5)	ENSG00000236267 (3	LPAR2 (2.2)
0.98	>=0.20	YSK4 (3.5)	ENSG00000236267 (3	LPAR2 (2.2)
0.99	>=0.20	ENSG00000244861 (4	USP24 (2.6)	IFT172 (2.5)
0.99	>=0.20	MAMSTR (3.3)	TSSK6 (2.6)	GPR61 (2.6)
0.99	>=0.20	MCM6 (3.2)	SUGP1 (2.9)	FEN1 (2.8)
0.99	>=0.20	SLC22A2 (3.3)	HNF4A (2.2)	ENSG00000231204 (2
0.99	>=0.20	PSMA5 (2.9)	TOMM40 (2.1)	GOT2P1 (2.1)
0.99	>=0.20	CYP26A1 (3.3)	APOE (2.7)	NCAN (1.9)
0.99	>=0.20	IFT172 (3.6)	CYP26A1 (2.4)	ATXN7L2 (1.7)
0.99	>=0.20	GMIP (3.2)	SNX17 (2.5)	GNAI3 (2.1)
0.99	>=0.20	YIPF2 (5.6)	IFT172 (3.8)	SUGP1 (2.5)
0.99	>=0.20	KRTCAP3 (3.3)	C11orf9 (2.5)	CBLC (2.4)
0.99	>=0.20	R3HDM1 (3.6)	HAPLN4 (2.7)	OTX1 (2.1)
0.99	>=0.20	TSSK6 (2.2)	ST3GAL4 (1.9)	GNAI3 (1.8)
0.99	>=0.20	SLC22A2 (4.9)	GPR61 (2.6)	ABCA5 (2.5)
0.99	>=0.20	POC5 (4.4)	PSRC1 (3.7)	ZRANB3 (3.3)
0.99	>=0.20	SUGP1 (2.8)	POC5 (2.7)	MAP3K4 (2.3)
0.99	>=0.20	YIPF2 (3.7)	SNX17 (3.0)	IFT172 (2.6)
0.99	>=0.20	YIPF2 (3.7)	SNX17 (3.0)	IFT172 (2.6)
0.99	>=0.20	NPEPPS (3.9)	CLPTM1 (2.9)	BMPR2 (2.9)
0.99	>=0.20	BUD13 (2.7)	ATXN7L2 (2.7)	USP1 (2.4)
0.99	>=0.20	MAU2 (1.7)	PSMA5 (1.6)	GOT2P1 (1.6)
0.99	>=0.20	GPR61 (3.0)	AMIGO1 (2.1)	ENSG00000182329 (1
0.99	>=0.20	ENSG00000256731 (3	CYB561D1 (3.3)	FUT1 (2.4)
0.99	>=0.20	C11orf9 (3.7)	KPNB1 (2.4)	SNX17 (2.1)
0.99	>=0.20	ATXN7L2 (3.6)	MAP3K4 (2.8)	ZNF821 (2.7)
0.99	>=0.20	SUMO1 (3.4)	TOMM40 (3.1)	PSMA5 (2.0)
0.99	>=0.20	GMIP (3.4)	GCKR (2.2)	IST1 (2.2)
0.99	>=0.20	UBXN4 (2.6)	PSMA5 (2.6)	SNX17 (2.2)
0.99	>=0.20	MAMSTR (3.0)	GDF5 (2.4)	EHBP1 (2.3)
0.99	>=0.20	C19orf52 (3.0)	BUD13 (2.8)	R3HDM1 (2.4)
0.99	>=0.20	TRIM54 (7.8)	SYPL2 (5.5)	IZUMO1 (1.5)
0.99	>=0.20	GNAI3 (2.5)	HAVCR1 (1.8)	AMPD2 (1.8)
0.99	>=0.20	ENSG00000226622 (3	ZNF821 (2.5)	ENSG00000226645 (2
0.99	>=0.20	GNAI3 (2.7)	NOP58 (2.7)	SUMO1 (2.3)
0.99	>=0.20	SARS (2.8)	ERGIC3 (2.3)	SUGP1 (2.1)
0.99	>=0.20	TBKBP1 (2.9)	ENSG00000244861 (2	ZNF513 (2.2)
0.99	>=0.20	SMARCA4 (2.9)	PPM1G (2.5)	USP1 (2.4)
0.99	>=0.20	PLEC (2.1)	RASIP1 (2.1)	C11orf9 (2.0)
0.99	>=0.20	ZHX3 (2.9)	GSTM5 (2.9)	SORT1 (2.4)
0.99	>=0.20	ENSG00000226622 (2	KRTCAP3 (1.9)	GOT2P1 (1.8)
0.99	>=0.20	NCAN (3.2)	SORT1 (2.6)	LPL (2.6)
0.99	>=0.20	GSTM5 (3.1)	C11orf9 (2.5)	NFE2L3 (2.3)

0.99	>=0.20	NCAN (2.7)	DARS (2.7)	APOC1 (1.9)
0.99	>=0.20	C12orf43 (2.9)	ZNF259 (2.8)	TOMM40 (2.3)
0.99	>=0.20	C12orf43 (2.9)	ZNF259 (2.8)	TOMM40 (2.3)
0.99	>=0.20	C12orf43 (2.9)	ZNF259 (2.8)	TOMM40 (2.3)
0.99	>=0.20	ENSG00000256731 (8	ENSG00000226645 (2	TSSK6 (2.2)
0.99	>=0.20	FUT2 (2.7)	ENSG00000226648 (2	PPM1G (2.1)
0.99	>=0.20	MAU2 (3.1)	FEN1 (2.2)	SUGP1 (2.2)
0.99	>=0.20	RAB3GAP1 (2.3)	ENSG00000235545 (2	COL4A3BP (2.0)
0.99	>=0.20	SLC22A2 (3.0)	KANK2 (2.7)	BCAM (2.3)
0.99	>=0.20	NCAN (2.6)	R3HDM1 (2.6)	SMARCA4 (2.2)
0.99	>=0.20	IZUMO1 (2.3)	DNAH11 (2.0)	KRTCAP3 (2.0)
0.99	>=0.20	TRIM54 (5.1)	SYPL2 (3.9)	ABCA6 (2.4)
0.99	>=0.20	GRINA (2.4)	TBKBP1 (1.9)	AMPD2 (1.6)
0.99	>=0.20	POLK (3.7)	ZRANB3 (3.3)	YSK4 (2.9)
0.99	>=0.20	IFT172 (4.3)	DOCK7 (2.9)	PBX4 (2.4)
0.99	>=0.20	USP1 (2.7)	FEN1 (2.3)	PPM1G (1.8)
0.99	>=0.20	ATXN7L2 (2.5)	PBX4 (2.3)	OBP2B (2.3)
0.99	>=0.20	TRIM54 (10.6)	SYPL2 (5.9)	PVR (1.6)
0.99	>=0.20	SYPL2 (3.1)	TRIM54 (3.0)	RELB (2.8)
0.99	>=0.20	SYPL2 (3.1)	TRIM54 (3.0)	RELB (2.8)
0.99	>=0.20	SYPL2 (3.1)	TRIM54 (3.0)	RELB (2.8)
0.99	>=0.20	CARM1 (3.2)	NRBP1 (2.8)	NPEPPS (2.3)
0.99	>=0.20	POC5 (2.7)	MCM6 (2.6)	ZNF259 (2.2)
0.99	>=0.20	MAU2 (2.3)	YIPF2 (2.0)	ENSG00000231204 (1
0.99	>=0.20	ENSG00000226648 (3	ATXN7L2 (3.0)	MAMSTR (2.9)
0.99	>=0.20	ENSG00000254235 (2	GRINA (2.5)	PGS1 (2.1)
0.99	>=0.20	ENSG00000254235 (2	GRINA (2.5)	PGS1 (2.1)
0.99	>=0.20	HAPLN4 (2.6)	PSRC1 (2.5)	GSTM4 (2.5)
0.99	>=0.20	SMARCA4 (2.9)	USP1 (2.3)	BUD13 (2.3)
0.99	>=0.20	OTX1 (3.4)	C17orf57 (2.9)	DNAH11 (2.7)
0.99	>=0.20	POC5 (4.2)	DNAH11 (3.5)	POLK (2.8)
0.99	>=0.20	GRINA (4.3)	SARS (3.7)	COL4A3BP (3.6)
0.99	>=0.20	GATAD2A (3.1)	SUMO1 (2.3)	USP1 (2.2)
0.99	>=0.20	SMARCA4 (3.0)	PPM1G (2.4)	USP1 (2.3)
0.99	>=0.20	NCAN (3.0)	R3HDM1 (2.0)	SORT1 (1.9)
0.99	>=0.20	CARM1 (2.6)	GATAD2A (2.2)	SUMO1 (2.1)
0.99	>=0.20	ENSG00000236267 (1	SPATC1 (1.7)	ERGIC3 (1.7)
0.99	>=0.20	IFT172 (3.1)	TRIM54 (2.8)	YSK4 (2.5)
0.99	>=0.20	PLCG1 (3.0)	GMIP (2.8)	RELB (2.6)
0.99	>=0.20	CELSR2 (2.2)	GSTM5 (1.9)	ENSG00000231204 (1
0.99	>=0.20	DNAH11 (4.2)	YSK4 (3.8)	PSRC1 (3.7)
0.99	>=0.20	GDF5 (4.5)	CYP26A1 (3.8)	CILP2 (3.2)
0.99	>=0.20	POLK (2.8)	MYLIP (2.5)	GPAM (2.2)
0.99	>=0.20	IZUMO1 (2.9)	PARP10 (2.2)	ABCA5 (2.0)
0.99	>=0.20	C19orf52 (2.1)	PSMA5 (2.0)	TXNL4B (2.0)
0.99	>=0.20	ENSG00000182329 (4	GPR61 (2.8)	ENSG00000226645 (2
0.99	>=0.20	NCAN (3.5)	CELSR2 (2.7)	FNDC4 (2.6)
0.99	>=0.20	HAPLN4 (3.6)	SORT1 (2.4)	GPR61 (2.3)
0.99	>=0.20	SLC22A3 (2.7)	NCAN (2.6)	ZNF821 (2.2)
0.99	>=0.20	IFT172 (3.6)	CYP26A1 (2.4)	YSK4 (1.7)

0.99	>=0.20	ZRANB3 (5.5)	MCM6 (4.5)	FEN1 (4.2)
0.99	>=0.20	ZNF513 (4.2)	TXNL4B (2.8)	BUD13 (2.3)
0.99	>=0.20	TXNL4B (3.1)	C12orf43 (3.0)	SUMO1 (2.7)
0.99	>=0.20	FNDC4 (3.2)	ENSG00000236267 (2	SPATC1 (1.9)
0.99	>=0.20	SARS (3.0)	CLPTM1 (2.6)	SORT1 (2.6)
0.99	>=0.20	MAMSTR (3.1)	FGF21 (2.6)	TRIM54 (2.3)
0.99	>=0.20	FGF21 (3.3)	FER1L4 (3.0)	SARS (2.9)
0.99	>=0.20	NCAN (5.4)	GPR61 (3.5)	ENSG00000182329 (2
0.99	>=0.20	GSTM4 (2.3)	DARS (1.7)	SLC22A3 (1.7)
0.99	>=0.20	SLC22A3 (2.6)	AMIGO1 (1.9)	LCT (1.8)
0.99	>=0.20	C12orf43 (2.5)	NCAN (2.3)	GOT2P1 (1.9)
0.99	>=0.20	POC5 (3.6)	CEP250 (3.2)	ZRANB3 (2.8)
0.99	>=0.20	ATXN1L (3.8)	PSRC1 (2.7)	IST1 (2.6)
0.99	>=0.20	RAB3GAP1 (2.9)	ENSG00000256731 (2	TXNL4B (2.4)
0.99	>=0.20	LPAL2 (3.4)	C11orf9 (2.4)	SLC22A3 (2.3)
0.99	>=0.20	SYPL2 (3.6)	GPR61 (3.4)	MAMSTR (3.4)
0.99	>=0.20	NYNRIN (3.1)	OTX1 (2.2)	LCT (2.0)
0.99	>=0.20	FUT1 (2.3)	BMPR2 (2.0)	PLCG1 (2.0)
0.99	>=0.20	ENSG00000226648 (2	SUGP1 (2.1)	FEN1 (2.0)
0.99	>=0.20	C11orf9 (2.9)	R3HDM1 (2.3)	HAPLN4 (2.3)
0.99	>=0.20	ZNF513 (3.6)	TXNL4B (3.0)	POC5 (2.2)
0.99	>=0.20	C12orf43 (2.8)	ENSG00000228044 (2	GPR61 (2.3)
0.99	>=0.20	SPATC1 (3.0)	LPA (2.6)	ENSG00000236436 (2
0.99	>=0.20	SUMO1 (2.5)	COL4A3BP (2.4)	SLC44A2 (1.9)
0.99	>=0.20	HAPLN4 (3.2)	GPR61 (2.9)	ABO (2.5)
0.99	>=0.20	USP24 (2.2)	CARM1 (2.2)	ATXN7L2 (1.7)
0.99	>=0.20	C12orf43 (2.7)	POLK (2.0)	C19orf52 (1.7)
0.99	>=0.20	C19orf52 (2.9)	BUD13 (2.5)	ZNF259 (2.4)
0.99	>=0.20	PSRC1 (5.4)	POC5 (3.6)	FEN1 (3.0)
0.99	>=0.20	FNDC4 (2.8)	ATXN7L2 (2.0)	EHBP1 (1.9)
0.99	>=0.20	SUMO1 (3.2)	TXNL4B (3.1)	BUD13 (2.5)
0.99	>=0.20	OBP2B (3.2)	HAPLN4 (2.9)	ABO (2.9)
0.99	>=0.20	TRIB1 (2.2)	GPR61 (1.9)	EHBP1 (1.9)
0.99	>=0.20	C11orf9 (3.5)	GSTM5 (3.4)	NCAN (2.7)
0.99	>=0.20	NRBP1 (3.7)	SNX17 (3.3)	YIPF2 (3.3)
0.99	>=0.20	TSSK6 (6.4)	SPATC1 (4.9)	IZUMO1 (4.0)
0.99	>=0.20	ZRANB3 (3.4)	SUMO1 (2.9)	PSRC1 (2.8)
0.99	>=0.20	NRBP1 (1.9)	AMIGO1 (1.8)	ATXN1L (1.8)
0.99	>=0.20	GNAT2 (3.3)	DARS (2.7)	DHODH (2.4)
0.99	>=0.20	GNAT2 (3.3)	DARS (2.7)	DHODH (2.4)
0.99	>=0.20	DARS (3.5)	NUP93 (2.6)	TOP1 (2.2)
0.99	>=0.20	BUD13 (2.4)	ENSG00000231204 (2	R3HDM1 (1.9)
0.99	>=0.20	SORT1 (3.2)	GSTM5 (2.7)	ST3GAL4 (2.6)
0.99	>=0.20	TXNL4B (2.4)	GPAM (2.2)	ATXN1L (2.0)
0.99	>=0.20	SLC22A2 (3.0)	ENSG00000226648 (2	ENSG00000182329 (1
0.99	>=0.20	ATXN7L2 (3.4)	BUD13 (2.8)	SUMO1 (2.4)
0.99	>=0.20	ZRANB3 (1.8)	OBP2B (1.6)	DNAH11 (1.5)
0.99	>=0.20	SUMO1 (2.3)	C19orf52 (2.1)	ENSG00000231204 (1
0.99	>=0.20	KRTCAP3 (2.9)	YIPF2 (2.9)	CYB561D1 (2.9)
0.99	>=0.20	SUMO1 (2.3)	C19orf52 (1.9)	ENSG00000231204 (1

0.99	>=0.20	TXNL4B (2.9)	SUMO1 (2.3)	SUGP1 (2.3)
0.99	>=0.20	AMIGO1 (2.7)	SYPL2 (2.5)	C19orf52 (2.4)
0.99	>=0.20	ZRANB3 (2.9)	ENSG00000228044 (2	CEP250 (2.2)
0.99	>=0.20	MYLIP (2.3)	C19orf52 (2.1)	ENSG00000226645 (1
0.99	>=0.20	PSMA5 (2.6)	GOT2P1 (2.2)	ERGIC3 (2.1)
0.99	>=0.20	SUGP1 (2.4)	ENSG00000235545 (2	ENSG00000226648 (2
0.99	>=0.20	SUGP1 (2.4)	ENSG00000235545 (2	ENSG00000226648 (2
0.99	>=0.20	ENSG00000231204 (1	KANK2 (1.7)	TRAM2 (1.7)
0.99	>=0.20	NCAN (3.2)	ATXN7L2 (2.0)	ZNF821 (2.0)
0.99	>=0.20	GNAT2 (2.9)	LPIN3 (2.8)	ATXN1L (2.5)
0.99	>=0.20	DNAH11 (2.6)	TSSK6 (2.4)	PMFBP1 (2.3)
0.99	>=0.20	USP24 (2.6)	CARM1 (2.4)	ATXN7L2 (2.1)
0.99	>=0.20	COL4A3BP (2.9)	ZNF259 (2.3)	ENSG00000226645 (2
0.99	>=0.20	ERGIC3 (2.5)	ENSG00000226645 (2	DNAH11 (1.9)
0.99	>=0.20	MAMSTR (2.0)	DNAH11 (1.9)	TBKBP1 (1.6)
0.99	>=0.20	ZNF259 (3.2)	RAB3GAP1 (3.1)	C12orf43 (2.9)
0.99	>=0.20	C11orf9 (3.5)	HAPLN4 (3.0)	GPR61 (2.1)
0.99	>=0.20	TRIM54 (8.6)	SYPL2 (6.7)	MAMSTR (2.2)
0.99	>=0.20	GDF5 (2.9)	TM6SF2 (1.7)	ZHX3 (1.7)
0.99	>=0.20	USP1 (2.8)	ERGIC3 (2.8)	PPM1G (2.7)
0.99	>=0.20	GOT2P1 (3.2)	C19orf52 (1.7)	IFT172 (1.6)
0.99	>=0.20	TRIM54 (4.5)	SYPL2 (3.2)	HNF1A (2.5)
0.99	>=0.20	CYP26A1 (2.9)	APOA4 (1.7)	NYNRIN (1.6)
0.99	>=0.20	TXNL4B (3.1)	C12orf43 (2.9)	SUMO1 (2.8)
0.99	>=0.20	HAPLN4 (3.9)	GPR61 (3.0)	AMIGO1 (2.6)
0.99	>=0.20	SUMO1 (2.4)	ENSG00000231204 (2	MAP3K4 (2.2)
0.99	>=0.20	HAVCR1 (3.5)	YSK4 (3.2)	CYP26A1 (2.8)
0.99	>=0.20	ATXN7L2 (3.5)	ZNF821 (2.5)	BUD13 (2.5)
0.99	>=0.20	OTX1 (2.9)	NCAN (2.7)	CILP2 (2.3)
0.99	>=0.20	RP1 (2.8)	DOCK6 (2.7)	RASIP1 (2.6)
0.99	>=0.20	ZNF259 (3.0)	TOMM40 (2.7)	C12orf43 (1.5)
0.99	>=0.20	HAPLN4 (5.8)	SLC22A2 (2.9)	R3HDM1 (2.3)
0.99	>=0.20	POC5 (3.0)	IZUMO1 (2.4)	IFT172 (2.3)
0.99	>=0.20	TOMM40 (2.3)	C12orf43 (2.1)	DHODH (1.8)
0.99	>=0.20	GSTM4 (1.9)	SLC22A3 (1.8)	DARS (1.7)
0.99	>=0.20	ENSG00000244861 (3	RAB3GAP1 (3.5)	C17orf57 (3.5)
0.99	>=0.20	MAMSTR (4.5)	TRIM54 (2.7)	FGF21 (2.5)
0.99	>=0.20	C12orf43 (2.9)	ERGIC3 (2.7)	POC5 (2.6)
0.99	>=0.20	CYB561D1 (2.8)	ATP13A1 (2.7)	ERGIC3 (2.3)
0.99	>=0.20	YIPF2 (5.4)	SNX17 (3.1)	IFT172 (3.0)
0.99	>=0.20	HAPLN4 (3.0)	CELSR2 (2.8)	GRINA (2.8)
0.99	>=0.20	YIPF2 (3.9)	IFT172 (2.9)	UBXN4 (2.2)
0.99	>=0.20	POC5 (4.0)	PSRC1 (3.0)	ZRANB3 (2.6)
0.99	>=0.20	FUT1 (3.0)	PLCG1 (2.9)	AMIGO1 (2.7)
0.99	>=0.20	ENSG00000254235 (2	ZNF821 (2.0)	PMFBP1 (1.8)
0.99	>=0.20	PSMA5 (3.2)	PGS1 (2.5)	C19orf52 (2.0)
0.99	>=0.20	PPM1G (3.1)	MAP3K4 (2.3)	TOP1 (2.0)
0.99	>=0.20	GNAI3 (4.2)	MAP3K4 (2.6)	SLC44A2 (2.0)
0.99	>=0.20	FUT2 (3.6)	ENSG00000236436 (2	CEP250 (2.0)
0.99	>=0.20	PSRC1 (6.4)	POC5 (4.4)	FEN1 (3.4)

0.99	>=0.20	ZNF513 (3.5)	TXNL4B (2.9)	BUD13 (2.3)
0.99	>=0.20	OBP2B (3.0)	FUT2 (2.6)	FGF21 (2.4)
0.99	>=0.20	ST3GAL4 (2.5)	SPATC1 (2.3)	GNAT2 (1.7)
0.99	>=0.20	FGF21 (3.3)	FUT1 (3.1)	FER1L4 (3.1)
0.99	>=0.20	FGF21 (3.3)	FUT1 (3.1)	FER1L4 (3.1)
0.99	>=0.20	C12orf43 (3.1)	ZNF259 (2.7)	SARS (2.6)
0.99	>=0.20	POLK (2.4)	ENSG00000236436 (2	CYB561D1 (2.3)
0.99	>=0.20	PLCG1 (3.1)	ENSG00000226806 (2	PBX4 (2.4)
0.99	>=0.20	TXNL4B (2.9)	IST1 (2.5)	MAU2 (2.3)
0.99	>=0.20	CYB561D1 (4.1)	GSTM4 (2.6)	ENSG00000256731 (2
0.99	>=0.20	CYB561D1 (4.1)	GSTM4 (2.6)	ENSG00000256731 (2
0.99	>=0.20	ENSG00000226648 (3	OBP2B (2.8)	ENSG00000226622 (2
0.99	>=0.20	MAMSTR (3.5)	GPR61 (2.9)	LPAL2 (2.9)
0.99	>=0.20	C12orf43 (2.7)	POC5 (2.4)	MAP3K4 (2.3)
0.99	>=0.20	POC5 (3.3)	PSRC1 (3.3)	IFT172 (3.1)
0.99	>=0.20	SLC22A2 (8.1)	PLG (3.8)	HNF4A (3.2)
0.99	>=0.20	GOT2P1 (2.0)	TOMM40 (2.0)	PSMA5 (1.8)
0.99	>=0.20	GPR61 (3.8)	ENSG00000182329 (3	ENSG00000226622 (2
0.99	>=0.20	ATXN7L2 (2.2)	PSRC1 (1.9)	CYB561D1 (1.7)
0.99	>=0.20	TOMM40 (2.5)	PSMA5 (2.4)	C12orf43 (2.1)
0.99	>=0.20	TOMM40 (2.5)	PSMA5 (2.4)	C12orf43 (2.1)
0.99	>=0.20	PSMA5 (2.5)	HAVCR1 (2.4)	GOT2P1 (2.2)
0.99	>=0.20	HAPLN4 (4.4)	PMFBP1 (2.0)	POLK (2.0)
0.99	>=0.20	ZNF513 (2.9)	ENSG00000226622 (2	EHBP1 (2.3)
0.99	>=0.20	GDF5 (2.8)	ZNF513 (2.4)	NPEPPS (2.4)
0.99	>=0.20	PBX4 (2.8)	ENSG00000256731 (2	FNDC4 (2.1)
0.99	>=0.20	MAMSTR (2.5)	SLC22A3 (2.4)	ENSG00000256731 (2
0.99	>=0.20	DARS (2.8)	ENSG00000226806 (2	ENSG00000228044 (2
0.99	>=0.20	DARS (2.8)	ENSG00000226806 (2	ENSG00000228044 (2
0.99	>=0.20	C12orf43 (2.8)	ENSG00000228044 (2	GPR61 (2.5)
0.99	>=0.20	UBXN4 (2.6)	TXNL4B (2.4)	SARS (2.3)
0.99	>=0.20	SUMO1 (2.6)	SUGP1 (1.9)	MAU2 (1.8)
0.99	>=0.20	SUMO1 (2.6)	SUGP1 (1.9)	MAU2 (1.8)
0.99	>=0.20	FUT2 (3.1)	ENSG00000226648 (2	GOT2P1 (2.4)
0.99	>=0.20	PCSK9 (2.6)	APOE (2.1)	HP (2.0)
0.99	>=0.20	ZNF513 (3.6)	TXNL4B (3.4)	DHX38 (2.3)
0.99	>=0.20	FER1L4 (2.6)	NCAN (2.5)	C11orf9 (2.2)
0.99	>=0.20	OTX1 (4.5)	NCAN (3.7)	DNAH11 (2.4)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	HAPLN4 (4.4)	OASL (3.8)	EHBP1 (3.1)
0.99	>=0.20	GOT2P1 (2.2)	PSMA5 (1.9)	TOMM40 (1.4)
0.99	>=0.20	KRTCAP3 (3.0)	ENSG00000226648 (2	GPR61 (2.1)
0.99	>=0.20	R3HDM1 (3.0)	SORT1 (2.9)	CELSR2 (2.6)
0.99	>=0.20	CELSR2 (3.1)	OTX1 (2.5)	GOT2P1 (2.2)
0.99	>=0.20	GPR61 (2.4)	NCAN (2.1)	GOT2P1 (2.0)
0.99	>=0.20	ENSG00000244861 (3	HAVCR1 (2.8)	KRTCAP3 (2.8)
0.99	>=0.20	AMIGO1 (2.9)	HAPLN4 (2.7)	TBKBP1 (2.5)
0.99	>=0.20	HAPLN4 (2.8)	GSTM5 (2.8)	GSTM4 (2.1)

0.99	>=0.20	NCAN (4.2)	OTX1 (2.9)	OBP2B (2.2)
0.99	>=0.20	YIPF2 (4.5)	GNAT2 (2.5)	IFT172 (2.4)
0.99	>=0.20	SORT1 (3.5)	IGF2R (2.7)	SARS (2.3)
0.99	>=0.20	CEP250 (4.8)	ZRANB3 (3.7)	POC5 (2.3)
0.99	>=0.20	BUD13 (2.9)	C12orf43 (2.3)	RAB3GAP1 (2.2)
0.99	>=0.20	ZRANB3 (4.4)	CEP250 (3.1)	BUD13 (2.6)
0.99	>=0.20	ENSG00000226648 (3	HNF1A (2.5)	ZNF821 (1.9)
0.99	>=0.20	PBX4 (1.9)	HAVCR1 (1.8)	POLK (1.5)
0.99	>=0.20	IST1 (3.8)	LPAL2 (2.9)	ATXN1L (2.5)
0.99	>=0.20	FUT1 (3.5)	HAPLN4 (3.1)	CYB561D1 (2.9)
0.99	>=0.20	FUT1 (2.6)	ENSG00000244861 (2	EHBP1 (1.6)
0.99	>=0.20	CILP2 (4.1)	GSTM5 (3.2)	AMPD2 (2.1)
0.99	>=0.20	GPR61 (3.7)	GNAT2 (3.0)	RP1 (2.7)
0.99	>=0.20	ZRANB3 (3.3)	POC5 (3.0)	IFT172 (2.5)
0.99	>=0.20	C12orf43 (3.0)	SUGP1 (2.6)	IFT172 (2.4)
0.99	>=0.20	ABCG8 (2.7)	ABCA5 (2.5)	HAPLN4 (2.2)
0.99	>=0.20	IST1 (3.3)	TXNL4B (3.1)	TOP1 (2.9)
0.99	>=0.20	TXNL4B (2.9)	SUMO1 (2.8)	NPEPPS (2.5)
0.99	>=0.20	R3HDM1 (3.6)	GPR61 (3.0)	ENSG00000182329 (2
0.99	>=0.20	TIMD4 (2.0)	MAFB (1.8)	C19orf52 (1.6)
0.99	>=0.20	CILP2 (7.4)	GDF5 (3.3)	ENSG00000236436 (2
0.99	>=0.20	POC5 (3.4)	ZRANB3 (3.1)	CEP250 (3.0)
0.99	>=0.20	USP1 (3.7)	FEN1 (2.9)	MCM6 (2.7)
0.99	>=0.20	ZNF513 (3.3)	TXNL4B (2.6)	IST1 (2.4)
0.99	>=0.20	C11orf9 (5.7)	HAPLN4 (3.0)	TSSK6 (1.9)
0.99	>=0.20	NRBP1 (2.9)	CARM1 (2.7)	NPEPPS (2.3)
0.99	>=0.20	USP1 (2.0)	CELSR2 (1.8)	TOP1 (1.8)
0.99	>=0.20	USP1 (2.0)	CELSR2 (1.8)	TOP1 (1.8)
0.99	>=0.20	USP1 (2.0)	CELSR2 (1.8)	TOP1 (1.8)
0.99	>=0.20	ATXN1L (2.9)	C17orf57 (2.6)	ENSG00000236267 (2
0.99	>=0.20	ENSG00000226806 (2	GOT2P1 (2.3)	ENSG00000182329 (2
0.99	>=0.20	GPR61 (3.4)	NCAN (3.3)	FNDC4 (2.9)
0.99	>=0.20	PVR (2.4)	EHBP1 (2.1)	NPEPPS (2.1)
0.99	>=0.20	ATXN7L2 (4.0)	C17orf57 (3.4)	C19orf52 (2.5)
0.99	>=0.20	GATAD2A (2.9)	SNX17 (1.9)	MCM6 (1.9)
0.99	>=0.20	TOMM40 (3.1)	PPM1G (3.1)	C12orf43 (2.8)
0.99	>=0.20	YIPF2 (4.8)	POLK (1.9)	IFT172 (1.9)
0.99	>=0.20	SORT1 (3.0)	PSMA5 (2.5)	PGS1 (2.1)
0.99	>=0.20	ENSG00000226806 (3	PLCG1 (2.2)	GOT2P1 (2.1)
0.99	>=0.20	R3HDM1 (2.4)	GPR61 (2.4)	PVR (2.1)
0.99	>=0.20	COL4A3BP (2.7)	GNAI3 (2.1)	RP1 (2.0)
0.99	>=0.20	ENSG00000226806 (3	PLCG1 (3.4)	ABCA6 (2.7)
0.99	>=0.20	ENSG00000226806 (3	PLCG1 (3.4)	ABCA6 (2.7)
0.99	>=0.20	ENSG00000226648 (3	ENSG00000182329 (2	ENSG00000231204 (2
0.99	>=0.20	BUD13 (2.7)	ATXN7L2 (2.4)	TXNL4B (2.4)
0.99	>=0.20	PSMA5 (2.6)	GOT2P1 (1.8)	YSK4 (1.7)
0.99	>=0.20	FGF21 (3.3)	FER1L4 (3.0)	FUT1 (2.9)
0.99	>=0.20	ATXN7L2 (3.0)	SUMO1 (3.0)	ZNF821 (2.5)
0.99	>=0.20	ENSG00000226645 (2	YSK4 (2.6)	DNAH11 (2.5)
0.99	>=0.20	CARM1 (2.3)	SUMO1 (2.2)	GATAD2A (2.2)

0.99	>=0.20	GPR61 (2.8)	NCAN (2.8)	EHBP1 (2.0)
0.99	>=0.20	C11orf9 (3.0)	SORT1 (2.3)	OBP2B (2.2)
0.99	>=0.20	POC5 (4.4)	PSRC1 (3.8)	ZRANB3 (3.2)
0.99	>=0.20	ATXN7L2 (3.8)	ENSG00000235545 (3	PBX4 (3.0)
0.99	>=0.20	ATXN7L2 (3.8)	ENSG00000235545 (3	PBX4 (3.0)
0.99	>=0.20	ENSG00000226622 (2	ENSG00000236436 (2	MAMSTR (1.9)
0.99	>=0.20	MAU2 (2.0)	PSMA5 (1.7)	RAB3GAP1 (1.6)
0.99	>=0.20	BUD13 (2.4)	SUGP1 (2.4)	SMARCA4 (1.9)
0.99	>=0.20	MYLIP (2.9)	ENSG00000244861 (2	NCAN (2.0)
0.99	>=0.20	SMARCA4 (2.5)	SUMO1 (2.4)	ENSG00000231204 (2
0.99	>=0.20	PSRC1 (3.2)	ZNF513 (2.9)	PLEC (2.7)
0.99	>=0.20	PSRC1 (5.3)	FEN1 (3.3)	MCM6 (2.5)
0.99	>=0.20	NCAN (2.6)	FER1L4 (2.4)	FNDC4 (2.0)
0.99	>=0.20	AMPD2 (2.8)	ZHX3 (2.5)	RAB3GAP1 (2.5)
0.99	>=0.20	SARS (2.6)	HAPLN4 (2.5)	HAVCR1 (2.5)
0.99	>=0.20	MYLIP (2.4)	OBP2B (2.0)	CYP26A1 (2.0)
0.99	>=0.20	SMARCA4 (2.9)	USP1 (2.3)	BUD13 (2.3)
0.99	>=0.20	GMIP (2.8)	COL4A3BP (2.4)	POC5 (2.1)
0.99	>=0.20	POC5 (3.8)	PSRC1 (2.7)	ZRANB3 (2.5)
0.99	>=0.20	GRINA (3.0)	SNX17 (2.6)	HAPLN4 (2.3)
0.99	>=0.20	NPEPPS (3.7)	UBXN4 (3.0)	COL4A3BP (2.4)
0.99	>=0.20	SMARCA4 (2.8)	BUD13 (2.5)	USP1 (2.3)
0.99	>=0.20	NCAN (3.0)	LPIN3 (2.7)	ABO (2.5)
0.99	>=0.20	ZNF821 (2.1)	C19orf52 (1.8)	SUMO1 (1.6)
0.99	>=0.20	LCT (1.9)	FADS2 (1.7)	MAMSTR (1.6)
0.99	>=0.20	HAPLN4 (2.8)	ZHX3 (2.8)	GRINA (2.5)
0.99	>=0.20	ABCA1 (2.3)	ZHX3 (1.9)	OTX1 (1.7)
0.99	>=0.20	GNAI3 (2.6)	DARS (2.5)	ATXN1L (2.4)
0.99	>=0.20	SMARCA4 (2.9)	BUD13 (2.3)	USP1 (2.3)
0.99	>=0.20	GATAD2A (2.1)	CARM1 (2.1)	SUMO1 (2.0)
0.99	>=0.20	ATXN1L (2.0)	AMIGO1 (1.7)	NRBP1 (1.6)
0.99	>=0.20	POC5 (3.5)	PSRC1 (2.6)	ZRANB3 (2.4)
0.99	>=0.20	PLCG1 (3.8)	ENSG00000226806 (2	APOC1 (2.4)
0.99	>=0.20	OASL (4.1)	PARP10 (2.9)	LCT (2.1)
0.99	>=0.20	ENSG00000226806 (2	CEP250 (2.2)	PLCG1 (2.1)
0.99	>=0.20	ENSG00000226806 (2	CEP250 (2.2)	PLCG1 (2.1)
0.99	>=0.20	TIMD4 (2.3)	PLCG1 (1.9)	ENSG00000226806 (1
0.99	>=0.20	TIMD4 (2.3)	PLCG1 (1.9)	ENSG00000226806 (1
0.99	>=0.20	OTX1 (3.9)	DNAH11 (3.3)	NCAN (2.7)
0.99	>=0.20	SMARCA4 (2.8)	USP1 (2.5)	PPM1G (2.4)
0.99	>=0.20	IFT172 (2.8)	SNX17 (2.6)	YIPF2 (1.8)
0.99	>=0.20	PBX4 (2.2)	ENSG00000235545 (2	MYLIP (2.2)
0.99	>=0.20	ZNF513 (3.3)	C19orf52 (2.4)	TXNL4B (2.3)
0.99	>=0.20	ENSG00000226645 (2	ENSG00000226622 (2	SLC22A2 (2.2)
0.99	>=0.20	FUT2 (2.9)	ENSG00000226648 (2	GOT2P1 (2.3)
0.99	>=0.20	ENSG00000235545 (2	ENSG00000182329 (2	SPATC1 (2.1)
0.99	>=0.20	NCAN (2.6)	ENSG00000182329 (2	TBKBP1 (2.1)
0.99	>=0.20	YSK4 (4.8)	TSSK6 (4.4)	IFT172 (3.7)
0.99	>=0.20	C12orf43 (3.3)	USP24 (3.3)	SUMO1 (2.4)
0.99	>=0.20	R3HDM1 (2.5)	NCAN (2.4)	SORT1 (2.2)

0.99	>=0.20	C11orf9 (3.3)	HAPLN4 (1.8)	PMFBP1 (1.6)
0.99	>=0.20	PSRC1 (3.8)	POC5 (2.8)	IZUMO1 (2.1)
0.99	>=0.20	ENSG00000226806 (2	ATXN1L (2.3)	TXNL4B (1.9)
0.99	>=0.20	COL4A3BP (3.0)	POLK (3.0)	ZNF513 (2.9)
0.99	>=0.20	NRBP1 (4.1)	ZNF821 (2.4)	CARM1 (2.4)
0.99	>=0.20	GPR61 (2.9)	CELSR2 (2.4)	HNF1A (2.1)
0.99	>=0.20	KRTCAP3 (2.6)	LCT (2.1)	TBKBP1 (1.9)
0.99	>=0.20	NRBP1 (3.7)	SNX17 (3.4)	GNAI3 (3.1)
0.99	>=0.20	C19orf52 (2.1)	SUGP1 (1.7)	RAB3GAP1 (1.7)
0.99	>=0.20	UBXN4 (3.6)	FGF21 (2.4)	TXNL4B (2.3)
0.99	>=0.20	USP1 (2.7)	CELSR2 (2.2)	PSRC1 (2.0)
0.99	>=0.20	ENSG00000182329 (3	ENSG00000256731 (3	GNAT2 (1.9)
0.99	>=0.20	NPEPPS (2.8)	SORT1 (2.3)	GNAI3 (2.0)
0.99	>=0.20	ENSG00000236267 (3	PGS1 (2.2)	IFT172 (2.2)
0.99	>=0.20	C17orf57 (2.3)	OTX1 (2.2)	RASIP1 (2.2)
0.99	>=0.20	OBP2B (2.6)	FNDC4 (2.1)	C11orf9 (1.8)
0.99	>=0.20	MCM6 (4.0)	FEN1 (4.0)	ZRANB3 (3.3)
0.99	>=0.20	R3HDM1 (2.4)	NCAN (2.2)	FER1L4 (2.1)
0.99	>=0.20	TRIM54 (8.8)	SYPL2 (6.1)	PLEC (1.4)
0.99	>=0.20	HAPLN4 (2.0)	OBP2B (2.0)	TM6SF2 (1.7)
0.99	>=0.20	POC5 (4.7)	PSRC1 (4.6)	ZRANB3 (4.1)
0.99	>=0.20	ZRANB3 (2.9)	ENSG00000228044 (2	CEP250 (2.0)
0.99	>=0.20	ZRANB3 (2.9)	ENSG00000228044 (2	CEP250 (2.0)
0.99	>=0.20	MAU2 (1.9)	PSMA5 (1.6)	RAB3GAP1 (1.6)
0.99	>=0.20	C12orf43 (2.7)	POC5 (2.4)	ZNF513 (2.0)
0.99	>=0.20	GSTM4 (2.9)	ENSG00000226648 (2	IFT172 (2.0)
0.99	>=0.20	GPR61 (4.2)	ENSG00000235545 (3	ENSG00000182329 (2
0.99	>=0.20	GPR61 (4.2)	ENSG00000235545 (3	ENSG00000182329 (2
0.99	>=0.20	IFT172 (2.6)	GOT2P1 (2.3)	ENSG00000244861 (2
0.99	>=0.20	ZRANB3 (2.1)	ENSG00000226645 (1	MYLIP (1.8)
0.99	>=0.20	GOT2P1 (2.4)	IFT172 (1.8)	CLPTM1 (1.5)
0.99	>=0.20	C17orf57 (3.6)	SPATC1 (3.3)	SUMO1 (2.5)
0.99	>=0.20	ENSG00000226648 (3	HAPLN4 (3.0)	ABO (2.6)
0.99	>=0.20	IZUMO1 (2.4)	PMFBP1 (2.0)	GPR61 (1.9)
0.99	>=0.20	FER1L4 (2.9)	NCAN (2.2)	ENSG00000182329 (1
0.99	>=0.20	BUD13 (3.5)	IST1 (3.1)	ATXN1L (2.2)
0.99	>=0.20	ZNF513 (3.1)	POC5 (2.9)	BUD13 (2.5)
0.99	>=0.20	ZNF513 (3.2)	TXNL4B (2.3)	BUD13 (1.9)
0.99	>=0.20	TOP1 (2.8)	TRIB1 (2.3)	BUD13 (2.2)
0.99	>=0.20	ZRANB3 (3.1)	DNAH11 (2.6)	POLK (2.3)
0.99	>=0.20	EHBP1 (3.0)	DOCK7 (2.8)	ENSG00000226645 (2
0.99	>=0.20	NCAN (2.6)	FER1L4 (2.5)	SORT1 (1.9)
0.99	>=0.20	GOT2P1 (1.8)	IFT172 (1.5)	MAU2 (1.4)
0.99	>=0.20	NCAN (4.6)	GPR61 (2.2)	KRTCAP3 (2.0)
0.99	>=0.20	NCAN (4.6)	GPR61 (2.2)	KRTCAP3 (2.0)
0.99	>=0.20	ATXN1L (3.1)	SUMO1 (3.0)	BUD13 (2.6)
0.99	>=0.20	SARS (2.7)	RAB3GAP1 (2.0)	GRINA (1.9)
0.99	>=0.20	FUT2 (3.1)	ENSG00000226648 (2	GOT2P1 (2.4)
0.99	>=0.20	SORT1 (1.6)	TRAM2 (1.5)	HNF4A (1.3)
0.99	>=0.20	PGS1 (2.9)	ENSG00000228044 (2	HNF1A (2.3)

0.99	>=0.20	PSMA5 (2.9)	SNX17 (2.8)	SARS (2.5)
0.99	>=0.20	ZRANB3 (3.4)	PSRC1 (2.9)	POC5 (2.8)
0.99	>=0.20	ZRANB3 (3.4)	PSRC1 (2.9)	POC5 (2.8)
0.99	>=0.20	ZRANB3 (3.4)	PSRC1 (2.9)	POC5 (2.8)
0.99	>=0.20	FUT2 (3.1)	ENSG00000226648 (2	GOT2P1 (2.3)
0.99	>=0.20	SUMO1 (3.0)	NPEPPS (2.1)	ERGIC3 (2.0)
0.99	>=0.20	IFT172 (2.9)	SUGP1 (2.7)	TOMM40 (1.9)
0.99	>=0.20	BUD13 (2.9)	SUMO1 (2.7)	SUGP1 (2.5)
0.99	>=0.20	ATXN7L2 (3.3)	BUD13 (2.6)	MAP3K4 (2.5)
0.99	>=0.20	RAB3GAP1 (2.8)	GRINA (2.7)	NPEPPS (2.6)
0.99	>=0.20	DOCK7 (2.2)	TXNL4B (2.2)	IGF2R (1.9)
0.99	>=0.20	GOT2P1 (1.6)	MAU2 (1.6)	PSMA5 (1.4)
0.99	>=0.20	TXNL4B (2.4)	YSK4 (2.3)	UBXN4 (2.2)
0.99	>=0.20	GPR61 (2.4)	IZUMO1 (2.1)	SLC22A2 (1.9)
0.99	>=0.20	ENSG00000236436 (3	ZRANB3 (3.2)	PSRC1 (2.8)
0.99	>=0.20	DNAH11 (2.6)	TSSK6 (2.1)	CELSR2 (2.1)
0.99	>=0.20	ENSG00000182329 (2	ZNF821 (2.2)	FGF21 (1.8)
0.99	>=0.20	COL4A3BP (3.2)	ATXN1L (2.7)	ZNF513 (2.6)
0.99	>=0.20	YIPF2 (2.8)	FUT2 (2.3)	ZNF259 (2.1)
0.99	>=0.20	MAMSTR (3.4)	GPR61 (3.3)	SYPL2 (3.0)
0.99	>=0.20	YSK4 (2.6)	DNAH11 (2.2)	ENSG00000226622 (2
0.99	>=0.20	POC5 (3.8)	PSRC1 (2.9)	ZRANB3 (2.5)
0.99	>=0.20	PBX4 (3.4)	DOCK7 (3.2)	PMFBP1 (2.4)
0.99	>=0.20	GDF5 (2.6)	ATXN1L (2.5)	POLK (2.4)
0.99	>=0.20	MAMSTR (2.5)	ENSG00000226622 (2	ATXN7L2 (1.9)
0.99	>=0.20	ENSG00000226645 (2	R3HDM1 (2.4)	HAPLN4 (2.3)
0.99	>=0.20	GRINA (3.7)	YSK4 (2.9)	SARS (2.9)
0.99	>=0.20	SARS (4.3)	SMARCA4 (3.3)	HAVCR1 (2.7)
0.99	>=0.20	GOT2P1 (1.9)	PSMA5 (1.5)	MAU2 (1.5)
0.99	>=0.20	SPATC1 (2.6)	C17orf57 (2.6)	TSSK6 (1.7)
0.99	>=0.20	TRIM54 (6.6)	SYPL2 (4.6)	GOT2P1 (1.6)
1	>=0.20	ENSG00000231204 (3	PMFBP1 (2.6)	PSRC1 (2.5)
1	>=0.20	GPR61 (3.5)	SLC22A3 (2.8)	OBP2B (2.1)
1	>=0.20	GPR61 (3.5)	SLC22A3 (2.8)	OBP2B (2.1)
1	>=0.20	ZNF513 (2.8)	C17orf57 (2.4)	MAMSTR (2.2)
1	>=0.20	SUGP1 (2.7)	SMARCA4 (2.1)	PCSK9 (1.9)
1	>=0.20	ZNF513 (3.2)	TXNL4B (3.1)	C19orf52 (2.8)
1	>=0.20	ZNF513 (3.7)	BUD13 (2.7)	IST1 (2.3)
1	>=0.20	PBX4 (2.8)	PLCG1 (2.6)	ENSG00000226806 (2
1	>=0.20	ABCA5 (2.9)	C19orf52 (2.6)	PBX4 (2.0)
1	>=0.20	ABCA5 (2.9)	C19orf52 (2.6)	PBX4 (2.0)
1	>=0.20	SORT1 (2.1)	RASIP1 (1.9)	GSTM4 (1.9)
1	>=0.20	ABCA6 (2.1)	LDLR (1.9)	ENSG00000256731 (1
1	>=0.20	CILP2 (4.8)	GDF5 (3.7)	MAMSTR (2.4)
1	>=0.20	NPEPPS (2.5)	HAPLN4 (2.2)	NCAN (2.1)
1	>=0.20	SUMO1 (2.6)	C17orf57 (1.9)	HNF1A (1.8)
1	>=0.20	ENSG00000231204 (3	ENSG00000226648 (2	PSRC1 (2.4)
1	>=0.20	CYB561D1 (3.8)	ENSG00000235545 (2	GSTM4 (1.9)
1	>=0.20	CYB561D1 (3.8)	ENSG00000235545 (2	GSTM4 (1.9)
1	>=0.20	ENSG00000256731 (2	GSTM5 (2.3)	GOT2P1 (2.2)

1	>=0.20	GNAT2 (4.9)	RP1 (3.9)	HAVCR1 (2.5)
1	>=0.20	KRTCAP3 (2.2)	SLC22A2 (1.9)	CBLC (1.9)
1	>=0.20	GSTM4 (2.5)	SNX17 (1.9)	CLPTM1 (1.8)
1	>=0.20	IFT172 (3.4)	POC5 (2.9)	PSRC1 (2.5)
1	>=0.20	GSTM4 (2.5)	ENSG00000226648 (2	IFT172 (1.9)
1	>=0.20	CYB561D1 (2.5)	IZUMO1 (2.4)	GMIP (2.3)
1	>=0.20	MAMSTR (5.6)	SYPL2 (3.9)	ABCA5 (2.6)
1	>=0.20	MCM6 (3.1)	ZRANB3 (2.6)	FEN1 (2.6)
1	>=0.20	CYB561D1 (2.7)	POLK (2.6)	ENSG00000236436 (2
1	>=0.20	OTX1 (3.3)	PBX4 (2.5)	ENSG00000256731 (2
1	>=0.20	IFT172 (2.8)	SUGP1 (2.7)	SUMO1 (2.3)
1	>=0.20	POC5 (3.3)	ENSG00000244861 (2	ATXN7L2 (2.4)
1	>=0.20	PBX4 (2.3)	HNF1A (2.1)	FUT1 (1.9)
1	>=0.20	GMIP (2.7)	POC5 (2.1)	SNX17 (1.8)
1	>=0.20	BUD13 (2.7)	PPM1G (2.7)	SUGP1 (2.6)
1	>=0.20	SPATC1 (2.8)	TSSK6 (2.3)	LPA (2.0)
1	>=0.20	SORT1 (2.4)	R3HDM1 (2.3)	GMIP (2.2)
1	>=0.20	NCAN (3.7)	HAPLN4 (3.1)	APOE (2.3)
1	>=0.20	GSTM4 (2.5)	ENSG00000226648 (2	IFT172 (1.9)
1	>=0.20	BUD13 (2.9)	SUGP1 (2.5)	C12orf43 (2.4)
1	>=0.20	PBX4 (2.0)	LPAR2 (1.8)	NYNRIN (1.7)
1	>=0.20	BUD13 (2.2)	GATAD2A (1.9)	FEN1 (1.9)
1	>=0.20	POC5 (2.9)	ENSG00000244861 (2	DHX38 (2.1)
1	>=0.20	R3HDM1 (3.0)	NCAN (2.5)	TRIM54 (2.4)
1	>=0.20	ZRANB3 (4.4)	CEP250 (3.1)	BUD13 (2.5)
1	>=0.20	TXNL4B (2.8)	ZNF513 (2.7)	POC5 (2.6)
1	>=0.20	RELB (4.9)	ATXN1L (3.2)	PBX4 (2.6)
1	>=0.20	OTX1 (2.6)	IZUMO1 (2.5)	HAPLN4 (2.3)
1	>=0.20	ENSG00000226648 (3	FER1L4 (2.2)	FUT1 (2.1)
1	>=0.20	CILP2 (4.0)	ERGIC3 (2.2)	SLC22A2 (1.6)
1	>=0.20	C12orf43 (1.8)	TOMM40 (1.7)	DHODH (1.2)
1	>=0.20	ZRANB3 (3.2)	BUD13 (2.5)	MCM6 (2.3)
1	>=0.20	ENSG00000244861 (2	FGF21 (2.3)	ENSG00000228044 (2
1	>=0.20	ATXN1L (2.5)	IST1 (2.3)	DHODH (1.8)
1	>=0.20	OBP2B (2.6)	CELSR2 (2.2)	PBX4 (2.1)
1	>=0.20	GOT2P1 (1.8)	MAU2 (1.7)	PSMA5 (1.6)
1	>=0.20	FUT1 (3.5)	CYB561D1 (2.9)	GNAI3 (2.8)
1	>=0.20	PPM1G (2.5)	ZNF259 (2.4)	SUGP1 (2.3)
1	>=0.20	DNAH11 (3.1)	ENSG00000235545 (2	ATXN7L2 (2.7)
1	>=0.20	TRIM54 (5.0)	SYPL2 (2.7)	KANK2 (2.5)
1	>=0.20	RAB3GAP1 (3.3)	COL4A3BP (2.7)	GNAI3 (2.6)
1	>=0.20	MAMSTR (3.3)	SUMO1 (2.6)	NYNRIN (1.7)
1	>=0.20	PSRC1 (3.3)	POC5 (3.1)	ZRANB3 (2.1)
1	>=0.20	CYB561D1 (3.5)	ATP13A1 (2.4)	ERGIC3 (2.2)
1	>=0.20	DHODH (3.1)	DARS (2.6)	ZNF259 (2.6)
1	>=0.20	NCAN (3.0)	DOCK7 (2.8)	ERGIC3 (2.6)
1	>=0.20	PSRC1 (3.6)	POC5 (3.4)	ZRANB3 (3.3)
1	>=0.20	CELSR2 (3.6)	R3HDM1 (3.0)	OTX1 (2.7)
1	>=0.20	NCAN (2.8)	FER1L4 (2.3)	FNDC4 (2.3)
1	>=0.20	NCAN (4.5)	GPR61 (3.5)	ENSG00000182329 (2

1	>=0.20	UBXN4 (2.9)	SUMO1 (2.7)	NRBP1 (2.5)
1	>=0.20	UBXN4 (3.7)	TXNL4B (2.4)	FGF21 (2.4)
1	>=0.20	GNAT2 (5.2)	RP1 (4.3)	HAVCR1 (2.8)
1	>=0.20	MAMSTR (3.7)	GPR61 (3.1)	SYPL2 (3.0)
1	>=0.20	SPATC1 (2.6)	ENSG00000226806 (2	ATXN1L (1.8)
1	>=0.20	GPR61 (3.3)	HAPLN4 (2.4)	ABO (2.3)
1	>=0.20	SORT1 (2.4)	TBKBP1 (2.1)	NCAN (1.9)
1	>=0.20	IZUMO1 (3.4)	AMIGO1 (2.6)	SLC22A2 (2.3)
1	>=0.20	ENSG00000226645 (2	POLK (2.8)	ENSG00000256731 (2
1	>=0.20	POC5 (4.6)	PSRC1 (4.5)	ZRANB3 (3.9)
1	>=0.20	GSTM4 (2.1)	IFT172 (2.0)	ENSG00000236436 (2
1	>=0.20	NCAN (4.4)	R3HDM1 (3.1)	SYPL2 (3.0)
1	>=0.20	PSMA5 (1.7)	GOT2P1 (1.7)	MAU2 (1.6)
1	>=0.20	CEP250 (3.8)	ZRANB3 (3.8)	BUD13 (2.4)
1	>=0.20	ENSG00000182329 (2	ENSG00000226648 (2	C17orf57 (2.2)
1	>=0.20	GPR61 (2.2)	NFE2L3 (1.8)	APOE (1.6)
1	>=0.20	PSMA5 (2.2)	ENSG00000182329 (2	GOT2P1 (1.9)
1	>=0.20	NCAN (3.0)	FER1L4 (2.1)	DNAH11 (2.1)
1	>=0.20	TXNL4B (2.4)	ENSG00000244861 (2	YSK4 (2.0)
1	>=0.20	ATXN7L2 (3.3)	C12orf43 (3.3)	SUGP1 (3.1)
1	>=0.20	NYNRIN (2.7)	CYB561D1 (2.4)	FUT2 (2.3)
1	>=0.20	C11orf9 (2.7)	OBP2B (2.4)	SORT1 (2.3)
1	>=0.20	R3HDM1 (2.7)	HAPLN4 (2.4)	ABO (2.4)
1	>=0.20	SUMO1 (2.8)	ENSG00000236267 (2	PSRC1 (2.4)
1	>=0.20	POLK (3.6)	COL4A3BP (1.8)	PGS1 (1.5)
1	>=0.20	FUT2 (3.8)	ST3GAL4 (2.4)	OTX1 (2.3)
1	>=0.20	ENSG00000226645 (2	UBXN4 (2.5)	C19orf52 (2.3)
1	>=0.20	R3HDM1 (2.7)	GMIP (2.7)	RAB3GAP1 (2.6)
1	>=0.20	POC5 (2.7)	POLK (2.4)	SUMO1 (1.8)
1	>=0.20	FNDC4 (3.2)	NCAN (3.1)	CELSR2 (2.5)
1	>=0.20	POC5 (3.6)	SPATC1 (3.0)	IZUMO1 (2.6)
1	>=0.20	MAP3K4 (2.8)	PLCG1 (2.2)	IGF2R (1.8)
1	>=0.20	MCM6 (2.7)	ZRANB3 (2.7)	FEN1 (2.5)
1	>=0.20	PSMA5 (3.6)	GOT2P1 (2.4)	GSTM4 (1.9)
1	>=0.20	GOT2P1 (1.5)	PSMA5 (1.5)	IFT172 (1.4)
1	>=0.20	TRIM54 (4.2)	SYPL2 (2.5)	SLC22A3 (2.0)
1	>=0.20	SLC22A2 (4.6)	ENSG00000226622 (2	ABCA5 (2.1)
1	>=0.20	ENSG00000226806 (4	PLCG1 (3.4)	ENSG00000231204 (2
1	>=0.20	GRINA (3.5)	SARS (2.7)	IST1 (2.3)
1	>=0.20	USP1 (2.1)	CARM1 (2.0)	SMARCA4 (1.7)
1	>=0.20	PSRC1 (4.9)	POC5 (4.7)	ZRANB3 (3.7)
1	>=0.20	CYB561D1 (3.2)	ATP13A1 (2.6)	ERGIC3 (2.3)
1	>=0.20	SMARCA4 (2.3)	RAB3GAP1 (2.2)	NRBP1 (2.1)
1	>=0.20	GOT2P1 (1.6)	MAU2 (1.5)	PSMA5 (1.5)
1	>=0.20	IFT172 (4.0)	YSK4 (3.9)	EHBP1 (1.8)
1	>=0.20	NCAN (5.3)	EHBP1 (4.3)	CELSR2 (2.7)
1	>=0.20	ZNF259 (3.8)	ERGIC3 (2.9)	C12orf43 (2.7)
1	>=0.20	GRINA (3.0)	SORT1 (2.6)	SARS (2.4)
1	>=0.20	SUMO1 (2.8)	DARS (2.1)	BUD13 (2.0)
1	>=0.20	ENSG00000182329 (3	OBP2B (2.5)	GPR61 (2.3)

1	>=0.20	PBX4 (3.3)	ENSG00000235545 (2	C19orf52 (2.5)
1	>=0.20	ENSG00000236267 (3	ENSG00000228044 (2	CEP250 (2.1)
1	>=0.20	OBP2B (2.0)	ZRANB3 (2.0)	C17orf57 (2.0)
1	>=0.20	NCAN (2.2)	PLCG1 (2.2)	PSRC1 (2.0)
1	>=0.20	CYB561D1 (3.3)	ATP13A1 (3.2)	ERGIC3 (3.0)
1	>=0.20	C12orf43 (2.8)	IST1 (2.5)	BUD13 (2.4)
1	>=0.20	R3HDM1 (2.7)	HAPLN4 (2.1)	GSTM5 (1.9)
1	>=0.20	ENSG00000235545 (4	ENSG00000182329 (4	DNAH11 (2.6)
1	>=0.20	SPATC1 (2.3)	ERGIC3 (1.8)	AMIGO1 (1.8)
1	>=0.20	YIPF2 (4.0)	SNX17 (2.8)	RAB3GAP1 (2.6)
1	>=0.20	GMIP (2.7)	COL4A3BP (2.3)	ATXN1L (1.9)
1	>=0.20	COL4A3BP (2.8)	ZNF821 (1.8)	UBXN4 (1.5)
1	>=0.20	RAB3GAP1 (3.2)	BUD13 (2.5)	YIPF2 (2.1)
1	>=0.20	PSRC1 (4.2)	POC5 (3.6)	ENSG00000228044 (1
1	>=0.20	TRIM54 (3.0)	ENSG00000231204 (3	IST1 (2.4)
1	>=0.20	GPR61 (3.4)	SLC22A3 (2.7)	OBP2B (2.1)
1	>=0.20	HAPLN4 (3.9)	PGS1 (2.3)	RAB3GAP1 (2.2)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.5)	FER1L4 (2.1)
1	>=0.20	MCM6 (3.6)	ZRANB3 (3.4)	USP1 (2.7)
1	>=0.20	ENSG00000244861 (2	FUT2 (1.9)	ATP13A1 (1.8)
1	>=0.20	SLC22A2 (5.2)	ENSG00000235545 (2	AMIGO1 (2.1)
1	>=0.20	GPR61 (3.2)	PMFBP1 (2.8)	ENSG00000235545 (2
1	>=0.20	NCAN (2.6)	FER1L4 (2.1)	SORT1 (1.9)
1	>=0.20	YIPF2 (3.2)	IFT172 (3.0)	POC5 (2.7)
1	>=0.20	GOT2P1 (1.9)	MAU2 (1.5)	PSMA5 (1.5)
1	>=0.20	GPR61 (4.5)	NCAN (4.5)	CELSR2 (2.5)
1	>=0.20	ENSG00000182329 (2	NCAN (2.4)	CELSR2 (2.3)
1	>=0.20	HAPLN4 (2.7)	APOE (2.3)	YSK4 (2.1)
1	>=0.20	TRIM54 (6.5)	SYPL2 (5.6)	MAMSTR (2.7)
1	>=0.20	SORT1 (3.6)	KANK2 (3.2)	SPATC1 (2.9)
1	>=0.20	NPEPPS (2.6)	SORT1 (2.2)	FNDC4 (2.1)
1	>=0.20	C12orf43 (2.8)	AMIGO1 (2.1)	USP24 (2.0)
1	>=0.20	NCAN (4.5)	GPR61 (2.7)	ENSG00000182329 (2
1	>=0.20	NCAN (4.5)	GPR61 (2.7)	ENSG00000182329 (2
1	>=0.20	ENSG00000226645 (3	POC5 (2.9)	ENSG00000235545 (2
1	>=0.20	NCAN (4.0)	OASL (3.9)	CELSR2 (2.6)
1	>=0.20	FUT2 (2.9)	SYPL2 (2.6)	ENSG00000226648 (2
1	>=0.20	ZRANB3 (2.8)	R3HDM1 (2.4)	ATXN1L (1.7)
1	>=0.20	ENSG00000231204 (3	FUT1 (2.8)	ABCA5 (2.6)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.6)	FER1L4 (2.1)
1	>=0.20	DNAH11 (3.5)	GPR61 (3.1)	FER1L4 (2.5)
1	>=0.20	CYB561D1 (2.9)	ATP13A1 (2.5)	ERGIC3 (2.3)
1	>=0.20	SUMO1 (2.7)	C19orf52 (2.4)	TXNL4B (2.1)
1	>=0.20	TXNL4B (3.5)	IST1 (2.5)	ENSG00000231204 (2
1	>=0.20	SYPL2 (2.9)	CYB561D1 (2.6)	BMPR2 (2.5)
1	>=0.20	ENSG00000226806 (4	PLCG1 (3.5)	PBX4 (2.9)
1	>=0.20	OTX1 (3.6)	YSK4 (2.6)	SPATC1 (2.4)
1	>=0.20	POC5 (2.4)	R3HDM1 (2.1)	C17orf57 (2.0)
1	>=0.20	NCAN (3.2)	PVR (2.3)	PBX4 (1.8)
1	>=0.20	ST3GAL4 (2.6)	MAP3K4 (1.9)	FNDC4 (1.7)

1	>=0.20	PSMA5 (3.1)	TOMM40 (1.9)	PGS1 (1.9)
1	>=0.20	SORT1 (2.7)	NPEPPS (2.5)	R3HDM1 (2.0)
1	>=0.20	RAB3GAP1 (2.5)	GRINA (2.3)	RP1 (2.1)
1	>=0.20	ATXN7L2 (3.5)	MAP3K4 (2.6)	BUD13 (2.5)
1	>=0.20	POLK (3.1)	ZNF513 (2.7)	COL4A3BP (2.7)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.6)	PSMA5 (1.5)
1	>=0.20	NCAN (2.8)	R3HDM1 (2.7)	FER1L4 (2.2)
1	>=0.20	ZNF821 (1.8)	FGF21 (1.6)	ZHX3 (1.6)
1	>=0.20	NCAN (3.4)	ZNF821 (3.2)	EHBP1 (2.9)
1	>=0.20	CELSR2 (3.6)	SORT1 (3.1)	NCAN (2.7)
1	>=0.20	GOT2P1 (3.4)	C19orf52 (1.6)	MAU2 (1.5)
1	>=0.20	MCM6 (3.4)	FEN1 (3.3)	CEP250 (2.9)
1	>=0.20	SNX17 (2.8)	IST1 (2.4)	PVR (2.2)
1	>=0.20	UBXN4 (2.6)	SUMO1 (2.6)	C19orf52 (2.4)
1	>=0.20	NCAN (3.2)	R3HDM1 (3.1)	SORT1 (2.3)
1	>=0.20	OTX1 (2.7)	C12orf43 (2.5)	HAPLN4 (2.1)
1	>=0.20	SUMO1 (2.4)	ENSG00000244861 (2	IFT172 (2.3)
1	>=0.20	NYNRIN (3.1)	YSK4 (2.3)	SPATC1 (2.2)
1	>=0.20	ENSG00000226648 (3	GPR61 (2.7)	FNDC4 (2.4)
1	>=0.20	NCAN (3.5)	FNDC4 (2.9)	CELSR2 (2.8)
1	>=0.20	LCT (2.7)	YSK4 (2.1)	ERGIC3 (2.1)
1	>=0.20	ST3GAL4 (2.5)	TRIM54 (2.1)	PBX4 (1.9)
1	>=0.20	GPR61 (3.5)	RP1 (3.0)	NCAN (2.5)
1	>=0.20	ENSG00000226648 (3	GPR61 (3.1)	FNDC4 (2.4)
1	>=0.20	GSTM5 (2.9)	R3HDM1 (2.8)	LPIN3 (2.1)
1	>=0.20	GPR61 (3.2)	HAPLN4 (2.6)	FNDC4 (2.1)
1	>=0.20	PSRC1 (6.0)	POC5 (2.9)	FEN1 (2.8)
1	>=0.20	FNDC4 (3.3)	PBX4 (2.6)	C11orf9 (2.2)
1	>=0.20	GOT2P1 (1.5)	PSMA5 (1.5)	MAU2 (1.4)
1	>=0.20	ZNF259 (3.7)	ZNF821 (3.2)	C12orf43 (2.6)
1	>=0.20	GPR61 (2.9)	FGF21 (1.7)	PMFBP1 (1.6)
1	>=0.20	AMPD2 (3.5)	SORT1 (2.5)	CYB561D1 (2.4)
1	>=0.20	GPR61 (3.0)	RP1 (1.6)	MYLIP (1.4)
1	>=0.20	CYB561D1 (2.7)	FUT1 (2.6)	GMIP (1.7)
1	>=0.20	POLK (3.6)	SUGP1 (1.9)	ENSG00000256731 (1
1	>=0.20	PSMA5 (3.5)	NPEPPS (2.4)	BUD13 (2.3)
1	>=0.20	TRIM54 (3.4)	PSMA5 (1.7)	SYPL2 (1.6)
1	>=0.20	MAMSTR (2.4)	C12orf43 (2.2)	ENSG00000256731 (2
1	>=0.20	CILP2 (6.7)	GDF5 (3.7)	TRAM2 (1.9)
1	>=0.20	LPAR2 (3.2)	ENSG00000182329 (2	GNAT2 (2.4)
1	>=0.20	NCAN (2.5)	GSTM5 (2.2)	LIPC (1.9)
1	>=0.20	CYB561D1 (2.5)	ENSG00000231204 (2	ZNF821 (2.0)
1	>=0.20	CYB561D1 (2.5)	ENSG00000231204 (2	ZNF821 (2.0)
1	>=0.20	IST1 (3.7)	IGF2R (3.2)	SORT1 (2.4)
1	>=0.20	POC5 (3.6)	PSRC1 (2.9)	ZRANB3 (2.6)
1	>=0.20	NCAN (6.4)	GPR61 (3.4)	ENSG00000182329 (2
1	>=0.20	POC5 (2.2)	SUGP1 (1.8)	LPIN3 (1.7)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.6)	CELSR2 (2.3)
1	>=0.20	GRINA (3.5)	COL4A3BP (3.2)	ATP13A1 (2.8)
1	>=0.20	PSMA5 (3.5)	TOMM40 (2.2)	PGS1 (2.0)

1	>=0.20	TRIM54 (6.3)	SYPL2 (4.1)	SNX17 (2.0)
1	>=0.20	ZRANB3 (2.5)	ENSG00000228044 (1	CEP250 (1.8)
1	>=0.20	ZNF513 (3.3)	TXNL4B (2.7)	BUD13 (2.4)
1	>=0.20	C19orf52 (3.6)	SUMO1 (2.7)	POC5 (2.5)
1	>=0.20	NYNRIN (3.3)	YSK4 (2.4)	TBKBP1 (2.0)
1	>=0.20	C12orf43 (2.7)	ZNF513 (2.6)	POC5 (2.4)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.5)
1	>=0.20	LDLR (3.3)	FADS2 (3.1)	HMGCR (2.9)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.5)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.5)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.5)
1	>=0.20	MAU2 (1.7)	PSMA5 (1.7)	GOT2P1 (1.3)
1	>=0.20	HAPLN4 (2.9)	GRINA (2.3)	CLPTM1 (2.3)
1	>=0.20	PBX4 (3.0)	SPATC1 (2.6)	IZUMO1 (2.2)
1	>=0.20	CBLC (4.7)	KRTCAP3 (3.6)	FUT1 (2.8)
1	>=0.20	CEP250 (4.1)	ZRANB3 (3.5)	POC5 (3.2)
1	>=0.20	R3HDM1 (3.8)	HAPLN4 (2.9)	COL4A3BP (2.2)
1	>=0.20	NCAN (3.9)	GPR61 (3.4)	R3HDM1 (2.9)
1	>=0.20	GOT2P1 (3.2)	YSK4 (1.5)	ENSG00000182329 (1
1	>=0.20	OASL (2.2)	USP24 (2.2)	PARP10 (2.1)
1	>=0.20	IZUMO1 (3.3)	AMIGO1 (2.7)	SLC44A2 (2.2)
1	>=0.20	GRINA (3.7)	IGF2R (2.7)	IST1 (2.6)
1	>=0.20	PSRC1 (3.2)	ENSG00000226645 (2	ZRANB3 (2.7)
1	>=0.20	PSRC1 (3.2)	ENSG00000226645 (2	ZRANB3 (2.7)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.7)	PSMA5 (1.5)
1	>=0.20	PBX4 (1.9)	PLCG1 (1.9)	TIMD4 (1.8)
1	>=0.20	ENSG00000226806 (3	GMIP (2.8)	PBX4 (2.6)
1	>=0.20	HAVCR1 (2.6)	CYB561D1 (2.4)	ENSG00000236267 (2
1	>=0.20	GATAD2A (2.3)	ATXN1L (1.9)	C17orf57 (1.5)
1	>=0.20	PSRC1 (2.8)	MCM6 (2.5)	FEN1 (2.4)
1	>=0.20	ENSG00000228044 (2	IZUMO1 (2.1)	GPR61 (2.1)
1	>=0.20	TSSK6 (3.3)	KRTCAP3 (2.9)	IZUMO1 (2.2)
1	>=0.20	ZRANB3 (3.1)	POC5 (3.0)	DNAH11 (2.5)
1	>=0.20	AMIGO1 (1.8)	CETP (1.8)	GSTM5 (1.7)
1	>=0.20	NRBP1 (3.5)	NPEPPS (2.3)	CLPTM1 (2.2)
1	>=0.20	R3HDM1 (2.5)	LPA (2.4)	HNF1A (2.1)
1	>=0.20	ENSG00000226806 (2	PBX4 (2.8)	GMIP (2.8)
1	>=0.20	TXNL4B (4.1)	IST1 (3.3)	ENSG00000231204 (2
1	>=0.20	ENSG00000226806 (3	GMIP (2.8)	PLCG1 (2.5)
1	>=0.20	POC5 (2.9)	FEN1 (2.5)	MCM6 (2.4)
1	>=0.20	SYPL2 (3.2)	TRIM54 (3.0)	SORT1 (2.7)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.7)	PSMA5 (1.4)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.7)	PSMA5 (1.4)
1	>=0.20	NCAN (2.3)	MYLIP (2.2)	COL4A3BP (1.8)
1	>=0.20	MAMSTR (5.2)	ATXN1L (2.7)	ENSG00000256731 (2
1	>=0.20	MAU2 (1.7)	PSMA5 (1.7)	GOT2P1 (1.5)
1	>=0.20	MAU2 (1.7)	PSMA5 (1.7)	GOT2P1 (1.5)
1	>=0.20	MAU2 (1.7)	PSMA5 (1.7)	GOT2P1 (1.5)
1	>=0.20	NCAN (2.4)	SORT1 (2.2)	FER1L4 (2.1)
1	>=0.20	FADS2 (2.9)	FADS1 (2.9)	ABCA6 (2.2)

1	>=0.20	DNAH11 (3.8)	ATXN7L2 (2.3)	GSTM5 (2.1)
1	>=0.20	PSMA5 (1.7)	MAU2 (1.7)	GOT2P1 (1.6)
1	>=0.20	GNAI3 (3.2)	ENSG00000226645 (3	SNX17 (2.3)
1	>=0.20	NCAN (2.3)	R3HDM1 (2.3)	SORT1 (2.3)
1	>=0.20	COL4A3BP (2.4)	RAB3GAP1 (2.4)	CLPTM1 (2.3)
1	>=0.20	PSRC1 (2.8)	POC5 (2.5)	IZUMO1 (2.3)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.6)	PSMA5 (1.5)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.6)	PSMA5 (1.5)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.4)	PSMA5 (1.3)
1	>=0.20	PSRC1 (3.2)	GNAI3 (2.9)	FNDC4 (2.2)
1	>=0.20	PSRC1 (3.2)	GNAI3 (2.9)	FNDC4 (2.2)
1	>=0.20	SUMO1 (2.7)	GNAT2 (2.3)	IST1 (2.3)
1	>=0.20	CARM1 (2.1)	BMPR2 (1.9)	FGF21 (1.7)
1	>=0.20	SARS (2.0)	SNX17 (1.9)	HAVCR1 (1.8)
1	>=0.20	USP24 (2.4)	R3HDM1 (2.4)	C19orf52 (2.0)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.6)	RAB3GAP1 (1.6)
1	>=0.20	TBKBP1 (1.8)	SYPL2 (1.4)	ENSG00000182329 (1
1	>=0.20	C19orf52 (2.6)	HNF1A (2.4)	PSMA5 (2.1)
1	>=0.20	MAU2 (1.9)	PSMA5 (1.6)	GOT2P1 (1.5)
1	>=0.20	NCAN (2.8)	FER1L4 (2.3)	FNDC4 (2.0)
1	>=0.20	ENSG00000226622 (2	YSK4 (2.4)	ENSG00000226648 (1
1	>=0.20	MAMSTR (3.0)	FGF21 (2.8)	ABO (2.4)
1	>=0.20	NCAN (2.9)	ABO (2.7)	ZHX3 (2.5)
1	>=0.20	MAMSTR (5.7)	ENSG00000256731 (2	ATXN1L (2.7)
1	>=0.20	NRBP1 (2.8)	TXNL4B (2.8)	BUD13 (2.6)
1	>=0.20	HAPLN4 (3.3)	GRINA (2.7)	IST1 (2.4)
1	>=0.20	SORT1 (2.2)	ABCA5 (2.0)	IST1 (1.9)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.4)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.4)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.4)
1	>=0.20	MAU2 (1.6)	GOT2P1 (1.5)	PSMA5 (1.4)
1	>=0.20	USP24 (2.4)	IFT172 (2.3)	C12orf43 (2.2)
1	>=0.20	MAU2 (1.9)	GOT2P1 (1.6)	RAB3GAP1 (1.5)
1	>=0.20	USP1 (2.5)	ZNF821 (1.8)	SUMO1 (1.7)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.6)	PSMA5 (1.5)
1	>=0.20	ENSG00000226648 (3	DNAH11 (2.0)	ENSG00000226806 (2
1	>=0.20	NCAN (2.6)	FER1L4 (2.0)	R3HDM1 (1.9)
1	>=0.20	ZNF259 (2.4)	ENSG00000226645 (1	BUD13 (1.5)
1	>=0.20	ABO (2.2)	TSSK6 (2.1)	NYNRIN (2.0)
1	>=0.20	SUMO1 (3.6)	ENSG00000236436 (2	ENSG00000226806 (2
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.6)	PSMA5 (1.5)
1	>=0.20	FUT2 (3.0)	SYPL2 (2.7)	ENSG00000226648 (2
1	>=0.20	GPR61 (3.4)	SYPL2 (2.3)	LCT (2.2)
1	>=0.20	GOT2P1 (1.9)	MAU2 (1.9)	RAB3GAP1 (1.4)
1	>=0.20	HAPLN4 (3.5)	TM6SF2 (1.8)	MAMSTR (1.7)
1	>=0.20	MAU2 (1.7)	PSMA5 (1.6)	GOT2P1 (1.5)
1	>=0.20	ENSG00000236267 (2	GOT2P1 (1.9)	FNDC4 (1.9)
1	>=0.20	SLC22A3 (3.3)	ENSG00000256731 (3	ENSG00000226648 (2
1	>=0.20	C12orf43 (3.6)	SARS (3.1)	ZNF259 (2.1)
1	>=0.20	ENSG00000256731 (3	ENSG00000236267 (2	FER1L4 (2.6)

1	>=0.20	MAU2 (1.8)	PSMA5 (1.6)	RAB3GAP1 (1.5)
1	>=0.20	DOCK6 (2.3)	ENSG00000256731 (2	PLCG1 (2.0)
1	>=0.20	TRIM54 (6.2)	SYPL2 (6.1)	LPAL2 (2.4)
1	>=0.20	PBX4 (3.1)	PLEC (2.2)	ENSG00000236436 (2
1	>=0.20	FUT2 (2.8)	ENSG00000182329 (2	TM6SF2 (2.3)
1	>=0.20	C19orf52 (2.4)	USP24 (2.3)	ZNF513 (2.0)
1	>=0.20	ZNF259 (3.0)	ENSG00000226645 (2	TOMM40 (2.4)
1	>=0.20	NCAN (2.6)	FER1L4 (2.5)	R3HDM1 (2.5)
1	>=0.20	NCAN (3.5)	ENSG00000235545 (3	ENSG00000226645 (2
1	>=0.20	AMIGO1 (2.1)	AMPD2 (1.9)	TXNL4B (1.8)
1	>=0.20	NCAN (2.6)	R3HDM1 (2.5)	SORT1 (2.1)
1	>=0.20	POC5 (4.1)	PSRC1 (4.1)	ZRANB3 (3.5)
1	>=0.20	GOT2P1 (1.9)	MAU2 (1.5)	RAB3GAP1 (1.5)
1	>=0.20	IZUMO1 (2.9)	IST1 (2.5)	FUT2 (2.1)
1	>=0.20	CELSR2 (3.1)	FNDC4 (3.0)	PBX4 (2.7)
1	>=0.20	C11orf9 (2.4)	CYB561D1 (1.8)	GATAD2A (1.7)
1	>=0.20	BCAM (2.3)	YIPF2 (2.1)	AMIGO1 (2.0)
1	>=0.20	HNF1A (2.1)	ENSG00000226648 (2	SNX17 (1.7)
1	>=0.20	IZUMO1 (2.5)	ENSG00000228044 (2	GPR61 (1.9)
1	>=0.20	SLC22A3 (3.3)	ENSG00000226648 (2	R3HDM1 (2.6)
1	>=0.20	NCAN (4.9)	R3HDM1 (2.8)	HAPLN4 (2.2)
1	>=0.20	MAP3K4 (2.5)	BUD13 (2.3)	TOP1 (2.1)
1	>=0.20	TSSK6 (1.6)	R3HDM1 (1.5)	LPIN3 (1.5)
1	>=0.20	TRIM54 (6.3)	SYPL2 (3.9)	SNX17 (1.9)
1	>=0.20	GPR61 (3.7)	PMFBP1 (2.8)	COL4A3BP (2.2)
1	>=0.20	C17orf57 (2.6)	SLC22A2 (2.4)	PBX4 (2.0)
1	>=0.20	YSK4 (5.5)	IFT172 (5.0)	POLK (1.5)
1	>=0.20	ATXN7L2 (3.2)	MAP3K4 (2.6)	BUD13 (2.5)
1	>=0.20	HAPLN4 (5.1)	PMFBP1 (2.5)	ENSG00000256731 (1
1	>=0.20	ENSG00000226806 (3	ENSG00000236436 (2	C11orf9 (2.3)
1	>=0.20	ENSG00000182329 (3	OBP2B (2.2)	FER1L4 (2.2)
1	>=0.20	HAPLN4 (3.0)	HNF1A (2.7)	AMIGO1 (1.8)
1	>=0.20	SUMO1 (2.5)	ENSG00000231204 (2	SMARCA4 (2.2)
1	>=0.20	NCAN (2.6)	R3HDM1 (2.4)	SORT1 (2.2)
1	>=0.20	POC5 (3.6)	PSRC1 (3.2)	ZRANB3 (2.8)
1	>=0.20	GPR61 (3.0)	FGF21 (2.1)	NCAN (2.1)
1	>=0.20	NCAN (2.7)	ENSG00000182329 (2	C11orf9 (2.1)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.1)	SORT1 (2.1)
1	>=0.20	ERGIC3 (2.8)	ATP13A1 (2.8)	CYB561D1 (2.7)
1	>=0.20	C19orf52 (2.0)	PPM1G (1.9)	ZNF259 (1.7)
1	>=0.20	MAU2 (1.9)	GOT2P1 (1.6)	RAB3GAP1 (1.6)
1	>=0.20	MAU2 (1.9)	GOT2P1 (1.6)	RAB3GAP1 (1.6)
1	>=0.20	GNAI3 (3.1)	ENSG00000226645 (2	SNX17 (2.3)
1	>=0.20	FUT2 (3.3)	ATP13A1 (2.0)	HAPLN4 (1.8)
1	>=0.20	ENSG00000226648 (3	YSK4 (2.6)	DNAH11 (1.8)
1	>=0.20	SUMO1 (2.9)	DARS (2.1)	BUD13 (2.0)
1	>=0.20	OTX1 (3.2)	ENSG00000256731 (2	NCAN (2.0)
1	>=0.20	PARP10 (2.3)	AMPD2 (2.1)	MAU2 (1.7)
1	>=0.20	COL4A3BP (2.1)	C19orf52 (2.1)	RAB3GAP1 (2.0)
1	>=0.20	PSRC1 (3.9)	ZRANB3 (2.8)	POC5 (2.5)

1	>=0.20	MCM6 (2.6)	CEP250 (2.6)	POLK (1.9)
1	>=0.20	ENSG00000182329 (3	GPR61 (2.4)	TSSK6 (2.3)
1	>=0.20	TRIM54 (4.1)	NCAN (2.4)	SORT1 (2.2)
1	>=0.20	NRBP1 (3.2)	SNX17 (2.9)	NPEPPS (2.4)
1	>=0.20	NCAN (4.3)	CELSR2 (3.2)	TBKBP1 (2.1)
1	>=0.20	ENSG00000226648 (2	ZNF513 (2.0)	GOT2P1 (2.0)
1	>=0.20	ZNF513 (3.0)	IST1 (2.4)	TXNL4B (2.1)
1	>=0.20	SUMO1 (2.9)	ATXN7L2 (2.7)	ENSG00000226648 (2
1	>=0.20	FUT1 (3.8)	AMIGO1 (2.4)	ZNF821 (1.9)
1	>=0.20	PSMA5 (3.0)	TOMM40 (1.8)	PGS1 (1.7)
1	>=0.20	GPR61 (2.9)	NCAN (2.7)	ABO (2.3)
1	>=0.20	AMPD2 (2.2)	C19orf52 (2.2)	ENSG00000236436 (2
1	>=0.20	NCAN (2.7)	CELSR2 (2.4)	AMPD2 (2.2)
1	>=0.20	NCAN (4.4)	GPR61 (2.8)	ENSG00000182329 (2
1	>=0.20	BUD13 (2.7)	SMARCA4 (2.4)	SUMO1 (2.3)
1	>=0.20	PARP10 (2.7)	C19orf52 (1.6)	GSTM4 (1.6)
1	>=0.20	MAMSTR (3.3)	ZNF821 (2.2)	ATXN7L2 (2.2)
1	>=0.20	GPR61 (2.8)	NCAN (2.5)	SORT1 (2.0)
1	>=0.20	PSMA5 (2.9)	C19orf52 (1.7)	NPEPPS (1.7)
1	>=0.20	KRTCAP3 (2.4)	ENSG00000228044 (2	PSRC1 (2.0)
1	>=0.20	PBX4 (2.5)	R3HDM1 (2.4)	LPAR2 (2.3)
1	>=0.20	PSRC1 (3.9)	ZRANB3 (2.5)	POC5 (2.4)
1	>=0.20	PSRC1 (3.9)	ZRANB3 (2.5)	POC5 (2.4)
1	>=0.20	SORT1 (2.3)	R3HDM1 (2.1)	NCAN (2.1)
1	>=0.20	ZNF513 (2.0)	ENSG00000226622 (1	SLC44A2 (1.6)
1	>=0.20	HAPLN4 (3.5)	PMFBP1 (2.3)	ZHX3 (1.7)
1	>=0.20	ENSG00000228044 (2	GPR61 (2.3)	IZUMO1 (2.0)
1	>=0.20	LPIN3 (2.2)	GPR61 (2.1)	HAPLN4 (1.7)
1	>=0.20	GSTM5 (3.2)	RP1 (3.1)	SORT1 (2.4)
1	>=0.20	ZNF259 (3.0)	TOMM40 (2.7)	ENSG00000226645 (2
1	>=0.20	TRIM54 (4.3)	ENSG00000226648 (2	SYPL2 (2.0)
1	>=0.20	ENSG00000231204 (2	ENSG00000226645 (1	SUMO1 (1.4)
1	>=0.20	ZNF513 (4.0)	BUD13 (2.4)	POC5 (2.3)
1	>=0.20	GATAD2A (1.8)	RELB (1.7)	POLK (1.6)
1	>=0.20	PBX4 (2.8)	GSTM5 (2.6)	CELSR2 (2.6)
1	>=0.20	TXNL4B (3.1)	ZNF513 (3.0)	BUD13 (2.4)
1	>=0.20	R3HDM1 (2.6)	NCAN (2.5)	FER1L4 (2.5)
1	>=0.20	COL4A3BP (3.0)	SUMO1 (2.4)	POC5 (2.3)
1	>=0.20	LPAL2 (1.9)	PBX4 (1.8)	GSTM5 (1.8)
1	>=0.20	HAPLN4 (2.4)	SORT1 (2.4)	NCAN (2.3)
1	>=0.20	NCAN (3.0)	GSTM5 (2.8)	R3HDM1 (2.7)
1	>=0.20	NFE2L3 (1.7)	TIMD4 (1.5)	ENSG00000226645 (1
1	>=0.20	NFE2L3 (1.7)	TIMD4 (1.5)	ENSG00000226645 (1
1	>=0.20	C12orf43 (2.6)	NCAN (2.5)	AMPD2 (2.2)
1	>=0.20	NCAN (2.8)	ENSG00000226806 (2	GPR61 (2.2)
1	>=0.20	NCAN (3.2)	HAPLN4 (3.0)	C11orf9 (2.8)
1	>=0.20	DNAH11 (3.1)	HAPLN4 (2.1)	HNF1A (2.1)
1	>=0.20	ZNF259 (3.0)	TOMM40 (2.7)	ENSG00000226645 (2
1	>=0.20	HAPLN4 (2.8)	NCAN (2.4)	NYNRIN (2.4)
1	>=0.20	NCAN (2.6)	R3HDM1 (2.3)	SORT1 (2.2)

1	>=0.20	NCAN (2.7)	GPR61 (2.7)	SORT1 (2.2)
1	>=0.20	DARS (2.1)	ENSG00000231204 (1	SUMO1 (1.9)
1	>=0.20	GPR61 (2.1)	GNAI3 (1.9)	SUMO1 (1.9)
1	>=0.20	AMPD2 (2.6)	ZHX3 (2.5)	PLCG1 (2.5)
1	>=0.20	GPR61 (2.5)	NCAN (2.5)	SORT1 (2.3)
1	>=0.20	SYPL2 (6.5)	TRIM54 (6.3)	LPAL2 (2.1)
1	>=0.20	C19orf52 (2.1)	LCT (1.8)	GATAD2A (1.8)
1	>=0.20	HAPLN4 (3.5)	GPR61 (2.6)	ABO (2.3)
1	>=0.20	OTX1 (3.2)	ENSG00000226648 (2	YSK4 (2.4)
1	>=0.20	SYPL2 (3.1)	ENSG00000226806 (2	TSSK6 (2.1)
1	>=0.20	GPR61 (2.9)	SORT1 (1.9)	KRTCAP3 (1.6)
1	>=0.20	GPR61 (2.7)	HAPLN4 (2.1)	ENSG00000226645 (2
1	>=0.20	ENSG00000244861 (2	ST3GAL4 (2.5)	MYLIP (2.4)
1	>=0.20	PMFBP1 (2.8)	ENSG00000231204 (2	HAPLN4 (2.4)
1	>=0.20	PSRC1 (4.3)	POC5 (3.9)	ZRANB3 (2.5)
1	>=0.20	MAU2 (1.7)	GOT2P1 (1.6)	RAB3GAP1 (1.5)
1	>=0.20	GPR61 (3.0)	YSK4 (2.5)	R3HDM1 (2.5)
1	>=0.20	AMIGO1 (2.4)	ENSG00000236267 (2	HNF1A (1.9)
1	>=0.20	PSRC1 (4.2)	FEN1 (3.4)	USP1 (3.1)
1	>=0.20	PSRC1 (4.2)	FEN1 (3.4)	USP1 (3.1)
1	>=0.20	R3HDM1 (2.5)	NCAN (2.3)	FADS1 (2.2)
1	>=0.20	NCAN (2.3)	FNDC4 (2.2)	R3HDM1 (2.2)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.6)	SORT1 (2.1)
1	>=0.20	C19orf52 (2.3)	MAU2 (2.1)	USP24 (2.0)
1	>=0.20	GSTM5 (2.4)	COL4A3BP (2.3)	IFT172 (1.9)
1	>=0.20	FADS2 (3.5)	FADS1 (2.7)	PBX4 (1.6)
1	>=0.20	GOT2P1 (1.9)	RAB3GAP1 (1.8)	HAPLN4 (1.5)
1	>=0.20	GPR61 (3.4)	NCAN (2.7)	CELSR2 (2.4)
1	>=0.20	MAU2 (1.7)	RAB3GAP1 (1.5)	PSMA5 (1.5)
1	>=0.20	R3HDM1 (2.7)	SORT1 (2.1)	ENSG00000182329 (1
1	>=0.20	SUMO1 (2.5)	DARS (2.1)	BUD13 (2.0)
1	>=0.20	ENSG00000226648 (3	SPATC1 (1.9)	SNX17 (1.8)
1	>=0.20	C12orf43 (2.8)	ZNF259 (2.1)	ZNF513 (2.1)
1	>=0.20	C12orf43 (2.8)	ZNF259 (2.1)	ZNF513 (2.1)
1	>=0.20	C19orf52 (2.2)	ENSG00000231204 (2	TXNL4B (2.2)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.7)	SORT1 (2.0)
1	>=0.20	TXNL4B (2.6)	COL4A3BP (2.3)	GOT2P1 (2.2)
1	>=0.20	ZNF513 (3.5)	BUD13 (2.4)	TXNL4B (1.8)
1	>=0.20	SUMO1 (2.5)	BMPR2 (2.3)	ATXN7L2 (2.3)
1	>=0.20	NCAN (3.7)	CLPTM1 (2.4)	SORT1 (2.0)
1	>=0.20	TSSK6 (3.5)	EHBP1 (2.6)	GPR61 (2.6)
1	>=0.20	ENSG00000182329 (3	GPR61 (3.0)	ENSG00000231204 (2
1	>=0.20	GSTM5 (1.8)	ENSG00000226806 (1	ENSG00000226645 (1
1	>=0.20	ZHX3 (2.3)	GPR61 (1.9)	CELSR2 (1.7)
1	>=0.20	EHBP1 (2.1)	ENSG00000256731 (1	ATXN1L (1.9)
1	>=0.20	AMIGO1 (2.7)	GPR61 (2.7)	TSSK6 (2.5)
1	>=0.20	CYB561D1 (2.6)	MAMSTR (2.4)	PBX4 (1.8)
1	>=0.20	CEP250 (3.1)	POLK (2.5)	POC5 (1.7)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.6)	SORT1 (2.2)
1	>=0.20	USP1 (2.2)	PSRC1 (2.2)	LPAL2 (1.8)

1	>=0.20	PBX4 (2.3)	GOT2P1 (2.2)	RASIP1 (2.0)
1	>=0.20	GPR61 (2.2)	ST3GAL4 (1.9)	YIPF2 (1.8)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.6)	SORT1 (2.0)
1	>=0.20	HAPLN4 (2.5)	NCAN (2.2)	GPR61 (2.2)
1	>=0.20	R3HDM1 (3.3)	SORT1 (2.4)	NCAN (1.9)
1	>=0.20	FUT2 (2.7)	FUT1 (2.4)	EHBP1 (2.2)
1	>=0.20	POC5 (5.3)	ZRANB3 (3.6)	PSRC1 (3.2)
1	>=0.20	NCAN (2.5)	R3HDM1 (2.0)	FNDC4 (2.0)
1	>=0.20	TSSK6 (2.6)	ENSG00000236436 (2	SPATC1 (2.3)
1	>=0.20	CARM1 (1.9)	GATAD2A (1.8)	USP24 (1.8)
1	>=0.20	NCAN (3.0)	CELSR2 (2.8)	R3HDM1 (2.6)
1	>=0.20	ENSG00000236267 (2	C17orf57 (2.5)	ENSG00000236436 (2
1	>=0.20	HAPLN4 (3.8)	OTX1 (2.7)	EHBP1 (2.4)
1	>=0.20	TBKBP1 (1.9)	AMPD2 (1.8)	HAPLN4 (1.6)
1	>=0.20	C17orf57 (2.5)	ENSG00000236267 (2	ENSG00000236436 (2
1	>=0.20	IZUMO1 (2.5)	ENSG00000226622 (1	R3HDM1 (1.9)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.4)	SORT1 (2.3)
1	>=0.20	PBX4 (2.8)	SPATC1 (2.2)	ENSG00000235545 (2
1	>=0.20	R3HDM1 (2.7)	NCAN (2.5)	SORT1 (2.1)
1	>=0.20	TXNL4B (2.7)	PSMA5 (2.5)	GNAI3 (2.3)
1	>=0.20	NCAN (3.4)	GPR61 (3.1)	HAPLN4 (3.0)
1	>=0.20	R3HDM1 (2.6)	NCAN (2.3)	SORT1 (2.1)
1	>=0.20	SARS (3.2)	GRINA (3.0)	RAB3GAP1 (2.5)
1	>=0.20	R3HDM1 (2.1)	C11orf9 (1.9)	YIPF2 (1.7)
1	>=0.20	SLC22A3 (2.6)	ENSG00000226648 (2	TSSK6 (2.0)
1	>=0.20	R3HDM1 (3.6)	PMFBP1 (2.3)	C12orf43 (1.7)
1	>=0.20	NCAN (4.5)	GPR61 (3.0)	ENSG00000182329 (2
1	>=0.20	R3HDM1 (3.4)	SORT1 (2.4)	GPR61 (2.2)
1	>=0.20	COL4A3BP (2.5)	ENSG00000244861 (2	SORT1 (2.1)
1	>=0.20	R3HDM1 (2.4)	HAPLN4 (2.3)	DNAH11 (2.3)
1	>=0.20	NCAN (2.9)	C12orf43 (2.2)	CELSR2 (2.2)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.4)	SORT1 (2.0)
1	>=0.20	CYB561D1 (2.3)	FUT1 (2.3)	ENSG00000231204 (2
1	>=0.20	R3HDM1 (2.7)	NCAN (2.5)	SORT1 (2.2)
1	>=0.20	TRIM54 (5.4)	SYPL2 (3.8)	C11orf9 (2.3)
1	>=0.20	SLC22A2 (4.4)	HAPLN4 (3.8)	NCAN (2.8)
1	>=0.20	NCAN (2.5)	ENSG00000231204 (2	ENSG00000182329 (2
1	>=0.20	TRIM54 (6.0)	SYPL2 (5.1)	MAMSTR (4.4)
1	>=0.20	RAB3GAP1 (3.1)	NRBP1 (2.5)	CYB561D1 (2.5)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.7)	SORT1 (2.1)
1	>=0.20	CYB561D1 (3.3)	ENSG00000256731 (2	GNAI3 (2.5)
1	>=0.20	NCAN (2.4)	GSTM5 (2.2)	MYLIP (1.6)
1	>=0.20	GOT2P1 (1.6)	MAU2 (1.5)	RAB3GAP1 (1.4)
1	>=0.20	PGS1 (2.2)	ENSG00000226648 (2	GOT2P1 (2.1)
1	>=0.20	PGS1 (2.2)	ENSG00000226648 (2	GOT2P1 (2.1)
1	>=0.20	SUMO1 (2.3)	ENSG00000226645 (2	PCSK9 (2.0)
1	>=0.20	CYB561D1 (2.5)	MAMSTR (2.4)	PBX4 (1.9)
1	>=0.20	R3HDM1 (2.9)	NCAN (2.6)	SORT1 (2.0)
1	>=0.20	ENSG00000231204 (3	SUMO1 (2.5)	C19orf52 (2.2)
1	>=0.20	TBKBP1 (3.6)	FUT1 (2.7)	R3HDM1 (2.6)

1	>=0.20	GPR61 (2.6)	ATP13A1 (2.5)	YIPF2 (2.1)
1	>=0.20	IZUMO1 (2.3)	ATXN7L2 (1.9)	TIMD4 (1.7)
1	>=0.20	GDF5 (2.3)	SPATC1 (2.3)	TRIM54 (2.1)
1	>=0.20	SLC22A2 (2.3)	ZHX3 (2.1)	FUT2 (1.8)
1	>=0.20	GPR61 (3.7)	MAMSTR (2.9)	AMIGO1 (2.8)
1	>=0.20	GNAI3 (2.3)	POC5 (2.3)	COL4A3BP (2.2)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.5)	SORT1 (2.0)
1	>=0.20	COL4A3BP (2.5)	ENSG00000244861 (2	SORT1 (2.0)
1	>=0.20	IZUMO1 (3.7)	DHODH (2.8)	SPATC1 (2.3)
1	>=0.20	ZHX3 (2.4)	TSSK6 (1.9)	FNDC4 (1.8)
1	>=0.20	C17orf57 (2.7)	GNAI3 (2.0)	CYB561D1 (1.9)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.6)	SORT1 (2.0)
1	>=0.20	HAPLN4 (2.8)	SORT1 (2.6)	APOE (2.5)
1	>=0.20	FNDC4 (3.2)	PBX4 (2.6)	CELSR2 (2.4)
1	>=0.20	ENSG00000244861 (2	ST3GAL4 (2.4)	MYLIP (2.3)
1	>=0.20	SUMO1 (1.6)	GOT2P1 (1.6)	MAU2 (1.5)
1	>=0.20	GRINA (3.8)	SARS (2.9)	RAB3GAP1 (2.5)
1	>=0.20	HAPLN4 (3.2)	R3HDM1 (2.6)	NCAN (2.3)
1	>=0.20	NCAN (4.5)	HAPLN4 (3.4)	HAVCR1 (2.0)
1	>=0.20	R3HDM1 (2.6)	NCAN (2.4)	SORT1 (2.1)
1	>=0.20	PSMA5 (2.4)	NPEPPS (1.6)	GSTM4 (1.6)
1	>=0.20	SUMO1 (3.7)	POLK (2.0)	GNAI3 (1.9)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.6)	SORT1 (2.1)
1	>=0.20	R3HDM1 (2.8)	NCAN (2.7)	SORT1 (2.2)
1	>=0.20	ENSG00000226648 (3	NCAN (2.1)	GPR61 (2.0)
1	>=0.20	ENSG00000226648 (3	NCAN (2.1)	GPR61 (2.0)
1	>=0.20	GPR61 (3.4)	HAPLN4 (3.3)	NCAN (2.7)
1	>=0.20	YIPF2 (2.7)	ATP13A1 (2.7)	PSMA5 (2.3)
1	>=0.20	GNAI3 (2.9)	RAB3GAP1 (2.2)	FNDC4 (2.0)
1	>=0.20	HAPLN4 (5.4)	TBKBP1 (3.3)	NCAN (2.1)
1	>=0.20	HAPLN4 (2.7)	CYB561D1 (2.1)	CELSR2 (2.1)
1	>=0.20	NCAN (3.6)	R3HDM1 (2.6)	CELSR2 (2.5)
1	>=0.20	NCAN (3.6)	R3HDM1 (2.6)	CELSR2 (2.5)
1	>=0.20	ENSG00000231204 (3	SUMO1 (2.2)	C19orf52 (2.0)
1	>=0.20	USP1 (3.4)	MCM6 (2.5)	NOP58 (2.1)
1	>=0.20	RAB3GAP1 (1.9)	C12orf43 (1.9)	MYLIP (1.8)
1	>=0.20	BCAM (2.6)	GPR61 (2.5)	AMIGO1 (2.1)
1	>=0.20	AMIGO1 (2.6)	C12orf43 (1.9)	SPATC1 (1.8)
1	>=0.20	SMARCA4 (2.4)	PCSK9 (2.0)	SUMO1 (2.0)
1	>=0.20	CELSR2 (2.5)	OTX1 (2.0)	ABCA1 (1.6)
1	>=0.20	HAPLN4 (3.3)	NCAN (2.5)	R3HDM1 (2.5)
1	>=0.20	TRIM54 (3.8)	SYPL2 (3.5)	LPIN3 (2.4)
1	>=0.20	PARP10 (3.1)	MAU2 (1.9)	MYLIP (1.5)
1	>=0.20	GPR61 (2.3)	HAPLN4 (1.7)	NCAN (1.7)
1	>=0.20	COL4A3BP (2.9)	GNAI3 (2.3)	C19orf52 (2.3)
1	>=0.20	DHODH (2.9)	GSTM4 (2.5)	IFT172 (2.4)
1	>=0.20	HAPLN4 (3.1)	AMIGO1 (2.8)	GPR61 (2.5)
1	>=0.20	NRBP1 (2.5)	YIPF2 (2.3)	RAB3GAP1 (1.9)
1	>=0.20	AMIGO1 (2.7)	YSK4 (2.0)	GPR61 (2.0)
1	>=0.20	CYB561D1 (3.5)	ENSG00000256731 (2	GNAI3 (2.4)

1	>=0.20	LPAR2 (2.7)	IFT172 (2.5)	MAMSTR (2.3)
1	>=0.20	CYB561D1 (2.5)	LPAR2 (2.0)	ATP13A1 (1.8)
1	>=0.20	PSMA5 (2.1)	ABCA5 (1.8)	GSTM4 (1.7)
1	>=0.20	SYPL2 (3.5)	MAMSTR (2.7)	GSTM5 (1.9)
1	>=0.20	DNAH11 (2.8)	ATXN7L2 (2.7)	OTX1 (2.3)
1	>=0.20	ENSG00000231204 (3	SUMO1 (2.5)	C19orf52 (2.5)
1	>=0.20	CILP2 (2.1)	FUT2 (2.1)	SLC44A2 (2.0)
1	>=0.20	CBLC (1.9)	ZNF821 (1.9)	HNF1A (1.8)
1	>=0.20	GSTM4 (2.4)	SORT1 (2.0)	ENSG00000244861 (2
1	>=0.20	SORT1 (3.2)	GSTM5 (2.9)	CELSR2 (2.7)
1	>=0.20	MAU2 (2.3)	RAB3GAP1 (1.9)	PSMA5 (1.4)
1	>=0.20	AMIGO1 (2.5)	SORT1 (2.4)	GPR61 (2.3)
1	>=0.20	IFT172 (4.3)	YSK4 (3.4)	PBX4 (2.3)
1	>=0.20	SORT1 (2.6)	GRINA (2.5)	PSMA5 (2.3)
1	>=0.20	ENSG00000182329 (3	ENSG00000226648 (3	GPR61 (2.9)
1	>=0.20	MAU2 (3.0)	YIPF2 (2.7)	ENSG00000226648 (2
1	>=0.20	SYPL2 (6.5)	TRIM54 (6.3)	LPAL2 (2.1)
1	>=0.20	SYPL2 (6.5)	TRIM54 (6.3)	LPAL2 (2.1)
1	>=0.20	AMPD2 (2.1)	HNF1A (2.0)	HAPLN4 (1.9)
1	>=0.20	ENSG00000235545 (4	ENSG00000182329 (3	R3HDM1 (2.5)
1	>=0.20	SORT1 (2.7)	BCAM (2.4)	ENSG00000226645 (1
1	>=0.20	TSSK6 (3.1)	PMFBP1 (2.6)	GSTM5 (2.1)
1	>=0.20	TSSK6 (3.1)	PMFBP1 (2.6)	GSTM5 (2.1)
1	>=0.20	SLC22A2 (4.8)	HAPLN4 (3.2)	SORT1 (3.1)
1	>=0.20	POC5 (5.4)	PSRC1 (4.2)	ZRANB3 (3.7)
1	>=0.20	POC5 (5.4)	PSRC1 (4.2)	ZRANB3 (3.7)
1	>=0.20	R3HDM1 (1.9)	GPR61 (1.8)	NCAN (1.7)
1	>=0.20	YSK4 (2.5)	C19orf52 (1.9)	GOT2P1 (1.9)
1	>=0.20	ENSG00000182329 (4	GPR61 (2.8)	ENSG00000226648 (2
1	>=0.20	GPR61 (2.1)	LPIN3 (1.8)	ENSG00000226622 (1
1	>=0.20	ENSG00000235545 (2	FUT1 (2.1)	LPAL2 (1.9)
1	>=0.20	R3HDM1 (2.7)	NCAN (2.6)	SORT1 (2.2)
1	>=0.20	IST1 (2.1)	PLCG1 (1.9)	ENSG00000226806 (1
1	>=0.20	ZRANB3 (3.2)	CEP250 (2.0)	DHODH (1.9)
1	>=0.20	ENSG00000182329 (5	ENSG00000226648 (2	GPR61 (2.8)
1	>=0.20	ENSG00000231204 (3	C19orf52 (2.3)	SUMO1 (2.2)
1	>=0.20	PBX4 (3.6)	SPATC1 (1.9)	IZUMO1 (1.9)
1	>=0.20	NCAN (5.1)	KRTCAP3 (2.2)	ENSG00000182329 (2
1	>=0.20	POC5 (3.1)	ZRANB3 (2.9)	PSRC1 (2.8)
1	>=0.20	PSMA5 (1.9)	RAB3GAP1 (1.5)	GOT2P1 (1.5)
1	>=0.20	MAMSTR (2.8)	ENSG00000244861 (2	C17orf57 (2.4)
1	>=0.20	HAPLN4 (3.1)	GPR61 (2.5)	LPIN3 (1.6)
1	>=0.20	GPR61 (3.3)	FER1L4 (2.9)	ENSG00000182329 (2
1	>=0.20	NCAN (3.4)	GPR61 (2.9)	CELSR2 (2.7)
1	>=0.20	GOT2P1 (2.1)	IFT172 (1.6)	ENSG00000182329 (1
1	>=0.20	ZHX3 (2.9)	ENSG00000226648 (2	CELSR2 (2.5)
1	>=0.20	GSTM4 (3.6)	MCM6 (2.1)	FUT2 (1.9)
1	>=0.20	CELSR2 (2.9)	SORT1 (2.8)	GPR61 (2.8)
1	>=0.20	NRBP1 (3.0)	YIPF2 (2.4)	GRINA (2.0)
1	>=0.20	HAPLN4 (3.1)	R3HDM1 (2.5)	NCAN (2.4)

1	>=0.20	HAPLN4 (4.9)	GPR61 (2.7)	SORT1 (2.5)
1	>=0.20	PSMA5 (2.0)	GOT2P1 (1.7)	SNX17 (1.2)
1	>=0.20	PMFBP1 (2.8)	AMIGO1 (2.1)	GOT2P1 (1.6)
1	>=0.20	GPR61 (2.2)	LPIN3 (1.8)	HAPLN4 (1.7)
1	>=0.20	R3HDM1 (3.1)	HAPLN4 (2.2)	AMIGO1 (2.0)
1	>=0.20	NCAN (3.5)	ENSG00000182329 (3	HAPLN4 (2.8)
1	>=0.20	IZUMO1 (2.9)	ENSG00000226645 (2	HAVCR1 (2.1)
1	>=0.20	ENSG00000231204 (3	R3HDM1 (2.1)	SUMO1 (2.1)
1	>=0.20	ZRANB3 (4.1)	FEN1 (3.6)	USP1 (3.4)
1	>=0.20	KRTCAP3 (2.1)	C19orf52 (1.7)	YIPF2 (1.6)
1	>=0.20	DOCK7 (1.9)	GSTM4 (1.8)	ENSG00000236436 (1
1	>=0.20	NCAN (3.7)	BMPR2 (2.9)	SYPL2 (2.6)
1	>=0.20	TXNL4B (3.6)	ATXN1L (3.0)	ENSG00000236267 (2
1	>=0.20	ENSG00000182329 (4	ENSG00000226648 (3	GPR61 (3.1)
1	>=0.20	GOT2P1 (2.0)	MAU2 (1.7)	ENSG00000244861 (1
1	>=0.20	ENSG00000236436 (2	PBX4 (2.1)	ENSG00000226648 (1
1	>=0.20	ENSG00000182329 (3	GPR61 (2.9)	ENSG00000226645 (2
1	>=0.20	ENSG00000226806 (7	IZUMO1 (3.2)	PLCG1 (2.9)
1	>=0.20	CYB561D1 (2.4)	R3HDM1 (2.2)	NCAN (2.2)
1	>=0.20	NCAN (3.3)	R3HDM1 (2.7)	CELSR2 (2.4)
1	>=0.20	NCAN (3.3)	R3HDM1 (2.7)	CELSR2 (2.4)
1	>=0.20	HAPLN4 (2.5)	R3HDM1 (2.3)	AMPD2 (1.7)
1	>=0.20	HAPLN4 (2.5)	R3HDM1 (2.3)	AMPD2 (1.7)
1	>=0.20	FGF21 (3.6)	COL4A3BP (3.1)	SARS (2.6)
1	>=0.20	HAPLN4 (2.9)	C12orf43 (2.1)	RAB3GAP1 (1.9)
1	>=0.20	NCAN (3.2)	GPR61 (3.1)	CELSR2 (2.5)
1	>=0.20	ENSG00000226648 (4	ENSG00000182329 (3	GPR61 (2.6)
1	>=0.20	HAPLN4 (3.5)	GPR61 (2.4)	AMIGO1 (2.3)
1	>=0.20	HAPLN4 (2.3)	GPR61 (2.2)	TSSK6 (1.7)
1	>=0.20	IFT172 (2.8)	C11orf9 (2.2)	SUMO1 (2.0)
1	>=0.20	HAPLN4 (3.3)	CELSR2 (2.4)	GPR61 (2.0)
1	>=0.20	ENSG00000231204 (2	SUMO1 (2.2)	C19orf52 (2.2)
1	>=0.20	YIPF2 (2.1)	CYB561D1 (2.0)	HAVCR1 (1.8)
1	>=0.20	CYB561D1 (2.9)	GPR61 (2.3)	YIPF2 (2.1)
1	>=0.20	PLCG1 (2.3)	ZNF821 (2.0)	PBX4 (1.7)
1	>=0.20	SLC22A2 (2.0)	PMFBP1 (2.0)	ZHX3 (1.9)
1	>=0.20	CILP2 (2.8)	SLC44A2 (2.1)	ENSG00000235545 (2
1	>=0.20	ENSG00000244861 (2	CYB561D1 (2.0)	R3HDM1 (1.9)
1	>=0.20	YSK4 (3.2)	ENSG00000226622 (2	SLC22A2 (2.1)
1	>=0.20	ZNF513 (2.7)	POLK (2.6)	COL4A3BP (1.9)
1	>=0.20	CELSR2 (3.4)	R3HDM1 (3.2)	NCAN (2.9)
1	>=0.20	GOT2P1 (2.2)	ENSG00000244861 (1	MAU2 (1.5)
1	>=0.20	GOT2P1 (2.2)	ENSG00000244861 (1	MAU2 (1.5)
1	>=0.20	GPR61 (2.7)	HAPLN4 (2.3)	YSK4 (2.3)
1	>=0.20	SLC22A2 (4.7)	HAPLN4 (3.4)	SORT1 (3.3)
1	>=0.20	SNX17 (2.6)	IST1 (2.5)	RAB3GAP1 (2.4)
1	>=0.20	SNX17 (2.6)	IST1 (2.5)	RAB3GAP1 (2.4)
1	>=0.20	TRIM54 (5.4)	SYPL2 (4.5)	MAMSTR (2.2)
1	>=0.20	PSRC1 (2.2)	YSK4 (2.1)	SUMO1 (1.8)
1	>=0.20	YSK4 (3.2)	ENSG00000226622 (2	SLC22A2 (2.1)

1	>=0.20	ENSG00000235545 (4	ENSG00000182329 (3	R3HDM1 (1.9)
1	>=0.20	GPR61 (2.8)	HAPLN4 (2.3)	LCT (2.0)
1	>=0.20	GPR61 (2.8)	HAPLN4 (2.3)	LCT (2.0)
1	>=0.20	NCAN (4.0)	CELSR2 (3.0)	R3HDM1 (2.9)
1	>=0.20	ZHX3 (2.3)	ENSG00000226648 (2	NCAN (2.0)
1	>=0.20	DARS (2.2)	ZRANB3 (2.2)	CEP250 (2.0)
1	>=0.20	HAPLN4 (3.2)	GPR61 (2.5)	GNAT2 (2.2)
1	>=0.20	ENSG00000256731 (6	ENSG00000182329 (1	GOT2P1 (1.7)
1	>=0.20	HAPLN4 (3.2)	AMIGO1 (2.3)	NCAN (2.2)
1	>=0.20	BCAM (2.5)	GPR61 (2.3)	AMIGO1 (2.2)
1	>=0.20	ENSG00000236436 (2	C19orf52 (2.2)	SUMO1 (1.9)
1	>=0.20	YIPF2 (2.7)	ATXN1L (1.7)	NRBP1 (1.7)
1	>=0.20	C17orf57 (2.5)	MAMSTR (2.2)	TOP1 (2.1)
1	>=0.20	GPR61 (2.7)	SORT1 (2.6)	HAPLN4 (2.4)
1	>=0.20	SARS (3.2)	SNX17 (2.7)	NPEPPS (2.2)
1	>=0.20	CEP250 (2.7)	ZRANB3 (2.6)	ENSG00000235545 (2
1	>=0.20	HAPLN4 (2.5)	GSTM5 (2.0)	ENSG00000182329 (2
1	>=0.20	BCAM (2.5)	GPR61 (2.3)	ENSG00000226645 (2
1	>=0.20	TXNL4B (3.8)	IST1 (3.2)	COL4A3BP (3.0)
1	>=0.20	GPR61 (2.3)	ENSG00000182329 (2	KRTCAP3 (2.0)
1	>=0.20	ENSG00000182329 (3	PSRC1 (3.2)	POC5 (2.3)
1	>=0.20	FGF21 (2.6)	COL4A3BP (2.6)	ABCA5 (2.0)
1	>=0.20	GPR61 (2.8)	NCAN (2.3)	SORT1 (2.2)
1	>=0.20	GPR61 (2.8)	NCAN (2.3)	SORT1 (2.2)
1	>=0.20	ENSG00000231204 (2	SPATC1 (1.8)	AMIGO1 (1.7)
1	>=0.20	POC5 (2.7)	LPIN3 (2.4)	SUMO1 (2.1)
1	>=0.20	PSRC1 (3.0)	POC5 (2.4)	GNAI3 (2.0)
1	>=0.20	SLC22A2 (2.7)	GPR61 (2.5)	ENSG00000256731 (2
1	>=0.20	LPAR2 (2.6)	PBX4 (2.2)	YSK4 (1.9)
1	>=0.20	ZRANB3 (4.1)	POC5 (2.9)	ENSG00000236436 (2
1	>=0.20	HAPLN4 (4.7)	GPR61 (2.2)	CELSR2 (2.1)
1	>=0.20	ZRANB3 (3.5)	CEP250 (2.9)	ENSG00000236436 (1
1	>=0.20	ZRANB3 (3.5)	CEP250 (2.9)	ENSG00000236436 (1
1	>=0.20	GPR61 (2.9)	NCAN (2.4)	SORT1 (2.3)
1	>=0.20	TSSK6 (2.6)	C19orf52 (2.5)	PMFBP1 (2.2)
1	>=0.20	NCAN (4.0)	YSK4 (2.8)	LPAL2 (2.1)
1	>=0.20	HAPLN4 (3.1)	NCAN (2.1)	C11orf9 (1.7)
1	>=0.20	NCAN (3.7)	GPR61 (2.7)	HAPLN4 (2.4)
1	>=0.20	NCAN (3.5)	HAPLN4 (2.4)	TBKBP1 (2.0)
1	>=0.20	NCAN (4.0)	R3HDM1 (2.0)	RASIP1 (1.9)
1	>=0.20	GNAI3 (3.3)	CYB561D1 (2.6)	RAB3GAP1 (2.3)
1	>=0.20	NCAN (4.0)	GPR61 (2.5)	C11orf9 (2.4)
1	>=0.20	CYB561D1 (2.3)	SORT1 (1.7)	PMFBP1 (1.5)
1	>=0.20	ENSG00000256731 (2	AMIGO1 (2.6)	ENSG00000236267 (2
1	>=0.20	ENSG00000256731 (2	AMIGO1 (2.6)	ENSG00000236267 (2
1	>=0.20	GPR61 (2.9)	HAPLN4 (2.3)	NCAN (2.3)
1	>=0.20	GPR61 (3.1)	NCAN (2.6)	CELSR2 (2.6)
1	>=0.20	KRTCAP3 (2.6)	FUT2 (2.4)	SORT1 (2.3)
1	>=0.20	ENSG00000182329 (2	YSK4 (2.4)	GPR61 (2.4)
1	>=0.20	COL4A3BP (2.8)	SUMO1 (2.5)	NPEPPS (1.9)

1	>=0.20	NCAN (2.8)	GPR61 (2.8)	CELSR2 (2.5)
1	>=0.20	ENSG00000226648 (2	ENSG00000236436 (2	SNX17 (2.0)
1	>=0.20	HAPLN4 (3.9)	SARS (2.3)	SORT1 (2.2)
1	>=0.20	GNAI3 (3.0)	HAPLN4 (2.9)	SARS (2.4)
1	>=0.20	HAPLN4 (4.3)	GPR61 (2.4)	AMIGO1 (2.2)
1	>=0.20	NCAN (5.2)	ENSG00000182329 (2	R3HDM1 (2.2)
1	>=0.20	SLC22A2 (4.2)	HAPLN4 (3.3)	AMIGO1 (2.6)
1	>=0.20	GSTM4 (2.5)	SPATC1 (2.3)	AMIGO1 (1.8)
1	>=0.20	GPR61 (2.3)	R3HDM1 (1.9)	KRTCAP3 (1.7)
1	>=0.20	GPR61 (2.7)	HAPLN4 (2.4)	AMIGO1 (2.2)
1	>=0.20	TSSK6 (3.7)	PMFBP1 (2.9)	HNF1A (2.3)
1	>=0.20	ZRANB3 (3.3)	C17orf57 (2.9)	PSRC1 (2.5)
1	>=0.20	HAPLN4 (3.5)	CYB561D1 (2.8)	CELSR2 (2.5)
1	>=0.20	NCAN (3.0)	PBX4 (2.3)	CELSR2 (2.1)
1	>=0.20	ENSG00000231204 (4	HAPLN4 (3.5)	CYB561D1 (2.8)
1	>=0.20	HAPLN4 (3.4)	GPR61 (2.2)	FNDC4 (2.1)
1	>=0.20	HAPLN4 (3.2)	GPR61 (3.0)	SLC22A2 (2.2)
1	>=0.20	HAPLN4 (3.2)	GPR61 (3.0)	SLC22A2 (2.2)
1	>=0.20	GPR61 (3.1)	HAPLN4 (2.7)	NCAN (2.0)
1	>=0.20	HAPLN4 (3.7)	CYB561D1 (2.7)	SLC22A2 (2.7)
1	>=0.20	HAPLN4 (3.2)	GPR61 (3.1)	CYB561D1 (2.2)
1	>=0.20	HAPLN4 (2.9)	GPR61 (2.6)	CYB561D1 (2.3)
1	>=0.20	HAPLN4 (3.0)	CYB561D1 (2.9)	CELSR2 (2.5)
1	>=0.20	HAPLN4 (3.0)	CYB561D1 (2.9)	CELSR2 (2.5)
1	>=0.20	HAPLN4 (3.4)	CYB561D1 (2.9)	SLC22A2 (2.6)

derived from repeating the summation 1000 times based on random loci matched by gene density. F

Reconstituted gene set Z score gene 4	Reconstituted gene set Z score gene 5	Reconstituted gene set Z score gene 6	Reconstituted gene set Z score gene 7	Reconstituted gene set Z score gene 8
GCKR (3.5)	TIMD4 (3.5)	C19orf80 (3.2)	APOA5 (3.2)	ANGPTL3 (3.1)
APOA4 (6.4)	APOC1 (5.6)	APOA5 (5.2)	TM6SF2 (5.0)	APOB (4.7)
TIMD4 (2.2)	APOC1 (2.2)	RASIP1 (2.0)	GCKR (2.0)	MYLIP (1.9)
APOA4 (7.4)	ABCG5 (6.9)	LIPC (6.3)	APOA5 (5.9)	PLG (5.8)
SLC22A3 (2.1)	ENSG00000236267 (2	ENSG00000228044 (2	LIPC (2.0)	APOB (1.9)
FADS1 (4.3)	APOE (4.2)	HMGCR (3.9)	ABCA1 (3.4)	ABCG5 (3.2)
APOA5 (6.2)	APOC4 (5.9)	GCKR (5.1)	SLC22A1 (4.9)	LIPC (4.2)
SLC22A1 (3.6)	APOC4 (3.4)	C19orf80 (3.1)	ANGPTL3 (3.1)	GCKR (3.0)
ABCG5 (7.1)	APOC1 (6.0)	TM6SF2 (5.8)	ABCG8 (5.7)	LCT (5.2)
APOC3 (5.6)	PLG (5.1)	APOB (5.0)	GCKR (5.0)	ABCG5 (4.6)
APOB (7.3)	TM6SF2 (6.9)	ABCG8 (6.8)	APOA5 (5.4)	C19orf80 (5.4)
TRAM2 (2.9)	IGF2R (2.8)	PVR (2.6)	ABCA1 (2.6)	NYNRIN (2.4)
FER1L4 (1.9)	FADS2 (1.9)	LPAL2 (1.8)	PCSK9 (1.8)	TRIB1 (1.7)
APOC3 (7.3)	APOB (7.1)	LIPC (7.1)	APOC4 (7.0)	APOE (5.7)
APOC3 (7.3)	APOB (7.1)	LIPC (7.1)	APOC4 (7.0)	APOE (5.7)
NYNRIN (3.2)	DOCK6 (3.2)	PVRL2 (2.9)	APOB (2.6)	BMPR2 (2.6)
APOC3 (5.5)	APOE (4.4)	LIPC (4.4)	ABCG5 (4.2)	APOC4 (4.1)
APOC4 (5.0)	SLC22A1 (4.6)	FADS1 (4.5)	ABCG5 (4.5)	PLG (4.4)
APOA4 (7.4)	HMGCR (7.4)	FADS2 (7.0)	APOB (6.8)	LCT (6.7)
LPA (4.1)	APOA5 (3.9)	PCSK9 (3.7)	LIPG (3.4)	FADS2 (3.4)
APOC1 (5.1)	APOA5 (5.1)	ABCG8 (4.9)	ABCG5 (4.8)	HP (4.7)
DOCK6 (2.1)	ATXN7L2 (2.1)	RASIP1 (2.1)	ENSG00000244861 (2	ENSG00000231204 (1
APOC3 (6.1)	LIPC (4.8)	APOE (4.7)	TIMD4 (4.3)	APOA5 (4.2)
APOA5 (5.1)	ABCG5 (5.1)	GPAM (5.1)	APOA4 (4.9)	APOB (4.6)
APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)	PLG (5.4)	ABCG5 (4.8)
APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)	PLG (5.4)	ABCG5 (4.8)
CETP (3.4)	APOC4 (3.3)	SLC22A1 (3.2)	FGF21 (3.2)	APOA5 (2.8)
APOB (6.2)	ABCG8 (5.6)	TM6SF2 (5.5)	APOC1 (5.5)	APOA5 (5.3)
APOC4 (8.0)	APOC1 (8.0)	APOB (7.9)	APOC3 (7.2)	LPA (6.1)
ANGPTL3 (6.1)	PLG (6.0)	APOC3 (5.6)	HP (5.5)	APOB (5.0)
LIPC (3.0)	LPA (2.9)	GMIP (2.9)	APOC1 (2.9)	ABCA1 (2.8)
APOC3 (3.9)	ABCG5 (3.6)	TIMD4 (3.5)	LPL (3.3)	ABCA1 (3.2)
TM6SF2 (4.6)	APOC4 (4.4)	HNF4A (3.8)	C19orf80 (3.7)	SLC22A1 (3.6)
GCKR (2.6)	C19orf80 (2.5)	ENSG00000236267 (2	GOT2P1 (2.5)	HP (2.4)
PLG (5.1)	APOA5 (4.8)	APOC1 (4.5)	APOC3 (4.3)	C19orf80 (4.2)
APOA5 (4.3)	APOC1 (4.3)	APOC4 (3.6)	GPAM (3.6)	HNF4A (3.6)
APOA5 (4.7)	PLG (4.7)	TIMD4 (4.5)	CETP (4.5)	APOA4 (4.5)
APOA5 (4.7)	PLG (4.7)	TIMD4 (4.5)	CETP (4.5)	APOA4 (4.5)
APOC4 (5.9)	ANGPTL3 (5.9)	C19orf80 (5.8)	LPA (5.1)	SLC22A1 (4.9)
ABCA1 (6.5)	APOA4 (6.2)	LIPC (5.9)	APOC3 (4.7)	ABCG5 (4.6)
ENSG00000244861 (1	SLC44A2 (1.8)	CEP250 (1.8)	BMPR2 (1.7)	MAU2 (1.7)
HP (7.7)	APOA5 (7.3)	LIPC (6.8)	APOC1 (6.1)	GCKR (5.8)
APOB (5.2)	APOA5 (5.1)	C19orf80 (4.9)	APOC3 (4.3)	APOC4 (3.9)

LIPC (5.2)	APOA5 (4.9)	APOC1 (4.5)	APOC3 (4.3)	APOC4 (4.2)
APOE (4.5)	APOC4 (4.3)	PLG (4.0)	HP (3.9)	APOC1 (3.8)
ABCG5 (7.7)	APOC1 (6.6)	LCT (6.1)	TM6SF2 (6.0)	PLG (5.2)
FNDC4 (3.1)	GPAM (2.8)	C11orf9 (2.8)	PVRL2 (2.6)	ENSG00000226622 (2
PLG (4.7)	APOA5 (4.4)	APOC1 (4.2)	APOC3 (4.1)	C19orf80 (3.9)
PLG (5.1)	APOA5 (4.7)	APOC1 (4.4)	APOC3 (4.3)	C19orf80 (4.2)
LCT (3.7)	ENSG00000236267 (3	ABCG5 (3.6)	GCKR (2.9)	APOC3 (2.5)
IGF2R (2.6)	PLEC (2.5)	NYNRIN (2.4)	LPA (2.3)	PLG (2.2)
APOC3 (4.1)	LPL (4.1)	GPAM (3.9)	APOA5 (3.6)	APOC4 (3.5)
MAFB (2.9)	CETP (2.7)	APOB (2.6)	ABCG5 (2.5)	APOA4 (2.4)
APOB (6.1)	LIPC (4.6)	ABCG5 (4.5)	APOA5 (4.2)	APOC4 (4.0)
MYLIP (1.8)	CETP (1.7)	PARP10 (1.7)	ABCA6 (1.7)	TIMD4 (1.6)
NUP93 (3.0)	PLG (2.9)	POC5 (2.8)	ATXN1L (2.7)	CARM1 (2.4)
APOA5 (2.8)	HNF4A (2.4)	APOC3 (2.3)	LIPC (2.2)	FNDC4 (2.2)
TM6SF2 (2.7)	ABCA1 (2.6)	HP (2.5)	HAPLN4 (2.4)	DNAH11 (2.3)
ABCG5 (4.0)	ABCG8 (3.6)	SLC22A1 (3.5)	APOC3 (3.4)	APOA5 (3.3)
ANGPTL3 (6.8)	LIPC (6.5)	APOC3 (5.6)	HP (5.3)	C19orf80 (5.1)
LIPC (2.6)	C19orf80 (2.5)	GCKR (2.5)	HP (2.4)	ENSG00000236267 (2
HP (4.2)	ANGPTL3 (4.2)	APOB (4.1)	C19orf80 (4.0)	APOA5 (4.0)
APOB (3.7)	HMGCR (3.6)	FADS1 (3.5)	APOC3 (3.5)	GCKR (3.3)
ABCA6 (1.9)	ABCG8 (1.9)	CEP250 (1.8)	CETP (1.8)	GRINA (1.7)
GCKR (4.6)	FADS1 (4.5)	PLG (4.0)	APOA5 (4.0)	ANGPTL3 (4.0)
TM6SF2 (4.2)	LCT (4.1)	APOC1 (3.5)	HNF1A (3.5)	HNF4A (3.5)
DHODH (3.2)	AMPD2 (3.1)	DHX38 (2.6)	DARS (2.6)	ATP13A1 (2.5)
ANGPTL3 (5.4)	APOC4 (5.4)	C19orf80 (5.3)	SLC22A1 (4.6)	APOC3 (4.5)
GPAM (4.0)	HMGCR (3.7)	APOC3 (3.7)	FADS1 (3.7)	GCKR (3.4)
PCSK9 (5.8)	APOA4 (4.5)	APOC1 (4.2)	C19orf80 (4.0)	APOB (4.0)
LPA (4.7)	ANGPTL3 (4.5)	APOC4 (4.5)	TM6SF2 (4.2)	HP (3.7)
ENSG00000236267 (2	C17orf57 (2.8)	TIMD4 (2.7)	APOC4 (2.7)	APOA5 (2.7)
HP (6.1)	APOA5 (6.0)	GCKR (5.8)	APOC4 (5.7)	APOB (5.4)
PLG (7.1)	LPA (6.5)	SLC22A1 (6.4)	ABCG5 (4.7)	GCKR (4.6)
TM6SF2 (2.8)	APOB (2.6)	ABCG5 (2.4)	APOC3 (2.3)	ABCG8 (2.2)
C19orf80 (4.0)	GCKR (4.0)	PLG (3.8)	ANGPTL3 (3.6)	TIMD4 (3.5)
HNF4A (4.1)	APOC3 (4.0)	APOC1 (3.6)	APOC4 (3.6)	APOB (3.6)
APOC1 (6.5)	LCT (6.4)	ABCG5 (5.9)	TM6SF2 (4.8)	FADS1 (4.3)
TM6SF2 (4.3)	ABCG5 (4.0)	APOC4 (3.9)	C19orf80 (3.7)	HNF4A (3.7)
HP (3.4)	APOA4 (3.3)	APOC3 (3.1)	C19orf80 (3.1)	TM6SF2 (3.1)
C19orf80 (2.9)	GPAM (2.7)	APOA5 (2.6)	DHODH (2.4)	GCKR (2.4)
BMPR2 (2.9)	KANK2 (2.8)	CYP26A1 (2.5)	ATXN1L (2.5)	GATAD2A (2.4)
LPA (3.3)	APOC3 (3.2)	ANGPTL3 (3.2)	GPR61 (2.9)	HP (2.9)
ABCA1 (3.1)	HP (3.0)	PVRL2 (2.9)	APOA5 (2.7)	HNF4A (2.7)
HP (4.0)	PLG (4.0)	LIPC (4.0)	GCKR (3.9)	ANGPTL3 (3.9)
HP (2.2)	PVR (2.2)	ENSG00000254235 (2	LPAL2 (2.1)	NFE2L3 (1.8)
PLG (4.4)	APOE (4.3)	HNF4A (4.1)	HMGCR (4.0)	LIPC (4.0)
APOC3 (8.6)	ABCG8 (7.6)	APOB (7.5)	APOA5 (5.5)	LIPC (4.7)
APOC4 (3.8)	MYLIP (3.7)	LIPG (3.6)	GPAM (3.5)	HP (3.4)
APOB (2.9)	LPA (2.9)	HP (2.9)	CYP26A1 (2.6)	APOC3 (2.6)
TM6SF2 (3.6)	ABCG5 (3.3)	GPAM (2.9)	GCKR (2.8)	ENSG00000236267 (2
SLC22A1 (5.3)	LDLR (5.1)	LPA (4.7)	APOC4 (4.6)	ANGPTL3 (4.4)
FADS1 (7.6)	PCSK9 (5.6)	GPAM (5.5)	ABCG5 (4.8)	APOC1 (4.6)

FADS1 (4.5)	ABCG5 (4.3)	PLG (4.3)	ANGPTL3 (4.3)	APOC4 (4.2)
GCKR (3.1)	PCSK9 (3.1)	LIPC (2.9)	NFE2L3 (2.8)	APOA5 (2.7)
ANGPTL3 (6.3)	LIPC (5.7)	APOB (5.6)	APOA5 (5.1)	LPA (4.5)
SLC22A1 (5.3)	LDLR (5.0)	LPA (4.7)	APOC4 (4.6)	ANGPTL3 (4.5)
ABCG5 (6.8)	TM6SF2 (5.9)	C19orf80 (5.4)	LIPC (5.2)	APOC1 (5.1)
TIMD4 (4.4)	PLG (4.4)	APOA5 (4.3)	HP (4.2)	APOC1 (4.1)
APOC1 (6.4)	PLG (5.5)	ANGPTL3 (4.8)	APOA4 (4.5)	APOA5 (4.4)
PLG (6.2)	ANGPTL3 (6.0)	SLC22A1 (5.8)	LPAL2 (4.2)	HP (4.2)
APOB (5.1)	LCT (5.1)	APOC1 (4.8)	C19orf80 (4.7)	HP (4.5)
SNX17 (2.2)	TM6SF2 (2.2)	HP (2.2)	FADS2 (2.1)	C17orf57 (2.0)
DNAH11 (2.4)	ENSG00000254235 (2	APOB (2.0)	GDF5 (2.0)	CETP (2.0)
APOC4 (6.1)	APOA5 (5.9)	GCKR (5.4)	LPA (5.0)	HP (4.7)
ABCG5 (8.7)	APOB (8.1)	ABCG8 (7.5)	APOA5 (5.5)	LIPC (5.3)
APOB (4.9)	ABCG8 (4.3)	TM6SF2 (4.2)	APOC1 (3.6)	APOA5 (3.6)
APOA5 (4.7)	ANGPTL3 (4.5)	ABCG5 (4.4)	PLG (4.4)	APOC4 (4.2)
LDLR (3.2)	LIPG (3.2)	LPA (3.2)	ST3GAL4 (3.1)	FADS1 (3.1)
PLG (5.4)	SLC22A1 (5.4)	ANGPTL3 (5.2)	GCKR (4.7)	ABCA6 (4.4)
CYP26A1 (2.8)	ABCA1 (2.7)	TRIB1 (2.6)	DOCK6 (2.6)	HNF4A (2.6)
APOC4 (4.5)	APOA5 (4.4)	HP (4.1)	APOC3 (4.1)	SLC22A1 (3.9)
ABCA1 (3.9)	LPA (3.9)	COL4A3BP (3.6)	HP (3.5)	PCSK9 (3.5)
PLG (4.2)	APOC1 (4.1)	ANGPTL3 (4.1)	SLC22A1 (3.9)	LPA (3.8)
HP (4.6)	LIPC (4.5)	LPA (4.0)	HNF4A (3.8)	GCKR (3.8)
ABCG5 (4.8)	APOA5 (4.7)	APOC4 (4.4)	PLG (4.3)	ABCG8 (4.3)
C17orf57 (2.3)	ZNF513 (2.3)	DOCK6 (2.3)	GATAD2A (2.3)	IGF2R (2.1)
PCSK9 (3.2)	C19orf80 (3.0)	GCKR (3.0)	LPA (2.8)	LIPC (2.6)
PPM1G (3.4)	AMPD2 (3.4)	DHX38 (3.1)	TOMM40 (3.1)	DHODH (2.9)
PLG (4.7)	APOA5 (4.3)	APOC3 (4.2)	C19orf80 (4.1)	APOC4 (4.1)
IGF2R (2.6)	KPNB1 (2.5)	LDLR (2.4)	MAP3K4 (2.2)	GATAD2A (2.2)
GPAM (2.4)	PARP10 (2.3)	LPL (2.2)	LIPC (2.1)	SLC44A2 (1.9)
PLCG1 (2.5)	DOCK6 (2.4)	IGF2R (2.4)	KANK2 (2.3)	ENSG00000226648 (2
APOA4 (7.4)	PLG (7.3)	LIPC (6.8)	APOA5 (6.4)	APOC4 (5.6)
APOA4 (7.4)	PLG (7.3)	LIPC (6.8)	APOA5 (6.4)	APOC4 (5.6)
LIPC (4.6)	GCKR (4.1)	APOC1 (3.8)	APOE (3.5)	ANGPTL3 (3.4)
EHBP1 (2.2)	LPAL2 (1.9)	HP (1.9)	ABCG8 (1.8)	DOCK6 (1.8)
TM6SF2 (4.4)	ENSG00000236267 (3	HNF4A (3.6)	APOB (3.5)	APOC3 (3.5)
TM6SF2 (4.4)	ENSG00000236267 (3	HNF4A (3.6)	APOB (3.5)	APOC3 (3.5)
TRIB1 (2.4)	KANK2 (2.3)	APOC3 (2.3)	PCSK9 (2.3)	LPAL2 (1.9)
HP (3.9)	ABCG5 (3.9)	APOC3 (3.9)	APOC1 (3.7)	APOB (3.6)
IGF2R (2.7)	HP (2.6)	CLPTM1 (2.4)	SORT1 (2.4)	ABCA5 (2.4)
LIPC (4.4)	APOA4 (4.3)	ABCG5 (4.2)	APOA5 (4.1)	GCKR (3.6)
LIPC (4.4)	APOA4 (4.3)	ABCG5 (4.2)	APOA5 (4.1)	GCKR (3.6)
APOC3 (4.5)	PLG (3.4)	PCSK9 (3.3)	ANGPTL3 (3.0)	HP (3.0)
CEP250 (2.3)	TOP1 (2.1)	FER1L4 (2.1)	PLCG1 (2.1)	TRAM2 (1.9)
CBLC (1.9)	LPAR2 (1.8)	DHX38 (1.7)	ATXN7L2 (1.7)	LPIN3 (1.7)
APOC4 (6.7)	HP (6.6)	APOA5 (5.9)	APOC3 (5.2)	APOB (4.7)
NFE2L3 (1.9)	ENSG00000231204 (1	CYP26A1 (1.7)	MAFB (1.6)	PVR (1.6)
TM6SF2 (3.6)	LPA (3.6)	SLC22A1 (3.5)	ABCG5 (3.3)	FADS1 (3.0)
SLC22A1 (4.1)	ANGPTL3 (3.9)	HP (3.9)	APOC3 (3.8)	APOB (3.4)
TOMM40 (3.4)	KPNB1 (3.0)	DARS (2.8)	UBXN4 (2.7)	DHX38 (2.6)
MAFB (3.0)	PLEC (2.9)	GMIP (2.9)	CETP (2.7)	LPAR2 (2.5)

ABCA1 (3.8)	C11orf9 (3.3)	HNF1A (3.2)	HNF4A (3.2)	LIPC (3.0)
HP (7.3)	ANGPTL3 (7.0)	APOA5 (6.6)	LIPC (5.9)	C19orf80 (5.7)
APOC4 (3.7)	PLG (3.6)	APOA5 (3.6)	GCKR (3.2)	ANGPTL3 (3.0)
APOC4 (5.1)	APOB (5.0)	APOC3 (5.0)	APOA5 (4.9)	C19orf80 (4.5)
TRAM2 (2.6)	ST3GAL4 (2.5)	ENSG00000236436 (2	CILP2 (2.2)	CYB561D1 (2.1)
SLC22A1 (3.7)	HP (3.7)	C19orf80 (3.6)	APOB (3.0)	APOC3 (3.0)
APOA5 (4.3)	APOB (4.1)	GCKR (3.8)	APOC3 (3.7)	HNF4A (3.6)
TIMD4 (3.5)	APOE (3.1)	SLC22A3 (2.9)	FGF21 (2.8)	LPIN3 (2.7)
APOA4 (2.4)	ABCG5 (2.3)	C19orf80 (2.2)	FADS2 (2.2)	ABCA5 (2.2)
APOA5 (4.2)	TIMD4 (3.8)	CETP (3.7)	PLG (3.6)	DHODH (3.2)
APOA5 (3.5)	PLG (3.5)	CBLC (3.3)	ANGPTL3 (2.9)	LIPC (2.9)
PVR (2.4)	RASIP1 (2.3)	ENSG00000226645 (2	MYLIP (2.0)	ABCA1 (1.7)
PSMA5 (2.3)	APOC1 (2.3)	GCKR (2.2)	ERGIC3 (2.1)	FER1L4 (2.0)
ANGPTL3 (3.8)	LPA (3.6)	APOC4 (3.5)	TM6SF2 (3.3)	GSTM4 (2.9)
ABCG5 (6.4)	TM6SF2 (6.4)	LCT (6.2)	C19orf80 (5.9)	APOC1 (5.9)
ENSG00000256731 (2	AMPD2 (2.1)	ENSG00000254235 (2	MAMSTR (2.0)	PLEC (2.0)
HP (5.4)	APOA5 (5.2)	APOC4 (4.7)	APOC3 (4.6)	GCKR (4.5)
EHBP1 (2.1)	PLCG1 (2.0)	BMPR2 (1.9)	PSRC1 (1.5)	ENSG00000226806 (1
APOB (3.8)	PLG (3.7)	APOA5 (3.6)	APOC3 (3.3)	HP (3.1)
APOC4 (3.5)	PLG (3.4)	CBLC (3.3)	LIPC (2.9)	ANGPTL3 (2.8)
APOC4 (4.5)	APOA5 (4.5)	APOB (4.0)	APOC3 (4.0)	HP (3.9)
RASIP1 (3.0)	PVR (2.8)	LDLR (2.7)	BMPR2 (2.5)	HMGCR (2.4)
APOC4 (4.1)	APOA5 (3.3)	C19orf80 (3.1)	ENSG00000256731 (2	LPA (2.6)
SLC44A2 (2.4)	PARP10 (2.2)	LIPC (2.0)	MYLIP (2.0)	GMIP (1.9)
APOA5 (4.8)	LPA (4.1)	APOC4 (4.0)	GCKR (3.9)	ABCG8 (3.3)
TIMD4 (3.7)	APOC4 (3.5)	APOB (3.4)	APOA5 (3.4)	APOC3 (3.2)
PVRL2 (2.5)	IGF2R (2.4)	C17orf57 (2.4)	SLC44A2 (2.4)	EHBP1 (2.3)
APOA5 (4.7)	APOA4 (4.6)	APOC4 (4.3)	TM6SF2 (4.2)	HP (4.2)
ANGPTL3 (2.5)	PGS1 (2.5)	APOC4 (2.3)	PLG (2.2)	GCKR (2.2)
LPAL2 (2.4)	GCKR (2.3)	LIPC (2.3)	GPR61 (2.2)	ABCA1 (2.1)
NYNRIN (2.6)	PVRL2 (2.5)	RASIP1 (2.3)	PVR (2.3)	DOCK6 (2.2)
DOCK6 (2.9)	MYLIP (2.8)	USP24 (2.7)	OASL (2.5)	FADS1 (2.5)
ABCA1 (3.6)	HAVCR1 (3.5)	APOB (3.4)	TIMD4 (3.3)	APOA5 (3.0)
ABCA1 (2.9)	HP (2.8)	ERGIC3 (2.7)	HAVCR1 (2.3)	ANGPTL3 (2.0)
APOA5 (5.7)	PLG (5.4)	HP (5.2)	C19orf80 (4.6)	ANGPTL3 (4.6)
APOA5 (5.7)	PLG (5.4)	HP (5.2)	C19orf80 (4.6)	ANGPTL3 (4.6)
ANGPTL3 (4.4)	APOA5 (4.3)	APOC4 (4.2)	APOC3 (4.1)	GCKR (4.0)
SLC22A1 (2.8)	HP (2.6)	GCKR (2.3)	APOC4 (2.3)	TM6SF2 (2.3)
GATAD2A (2.6)	SMARCA4 (2.4)	MAU2 (2.3)	TOP1 (2.3)	ZNF513 (2.3)
FADS1 (5.3)	PCSK9 (4.9)	GCKR (4.1)	LPA (3.9)	LIPG (3.9)
GCKR (4.2)	PLG (4.1)	ANGPTL3 (4.0)	LPA (4.0)	C19orf80 (3.9)
ABCG5 (2.4)	CARM1 (2.2)	CLPTM1 (2.2)	GCKR (2.1)	MAFB (2.0)
LCT (4.1)	ENSG00000236267 (3	TM6SF2 (3.3)	TIMD4 (3.3)	APOC1 (3.2)
CLPTM1 (3.2)	SLC44A2 (3.2)	PVRL2 (2.6)	GRINA (2.5)	BMPR2 (2.3)
HP (2.9)	APOA5 (2.8)	SLC22A1 (2.7)	LPA (2.5)	C19orf80 (2.5)
ABCA1 (3.6)	APOA5 (3.6)	APOB (3.6)	SPATC1 (3.4)	APOC4 (3.4)
ABCG5 (4.1)	TIMD4 (3.4)	TM6SF2 (3.3)	ENSG00000236267 (3	APOC1 (3.1)
LIPC (5.7)	HP (5.5)	APOA5 (4.8)	SLC22A1 (4.4)	GCKR (4.4)
TM6SF2 (4.5)	APOB (4.4)	ABCG8 (4.0)	HNF4A (3.5)	ABCG5 (3.4)
APOC4 (3.2)	DOCK6 (3.2)	TIMD4 (3.0)	HP (2.7)	ABCA6 (2.6)

MAFB (2.4)	TOP1 (2.3)	APOE (2.0)	ENSG00000235545 (1	NYNRIN (1.9)
ABCG5 (7.7)	APOB (7.7)	LCT (6.6)	ABCG8 (5.5)	C19orf80 (5.1)
APOC1 (2.6)	ABCG5 (2.6)	LIPG (2.6)	APOC3 (2.5)	APOA4 (2.4)
APOA4 (2.5)	FADS2 (2.4)	ABCA5 (2.3)	OBP2B (2.2)	ABCG5 (2.1)
APOA5 (4.1)	SLC22A1 (4.0)	ERGIC3 (3.4)	LPAL2 (3.2)	LIPC (3.2)
ZHX3 (3.4)	LPL (2.7)	GPAM (2.7)	FGF21 (2.6)	LIPC (2.5)
BUD13 (2.6)	ABCG5 (2.5)	LCT (2.5)	KPNB1 (2.5)	MAP3K4 (2.4)
APOC3 (5.1)	LIPC (4.8)	APOC1 (4.7)	TIMD4 (4.6)	ABCA1 (4.2)
C19orf80 (3.4)	HP (3.0)	APOC1 (2.9)	ST3GAL4 (2.8)	SPATC1 (2.2)
SLC22A3 (2.7)	FGF21 (2.7)	ENSG00000226622 (2	APOC1 (2.3)	ST3GAL4 (2.3)
C19orf80 (2.6)	EHBP1 (2.6)	TRIB1 (2.4)	APOA5 (2.4)	LDLR (2.4)
ANGPTL3 (5.4)	APOA5 (4.6)	PLG (4.4)	ABCA6 (4.2)	GCKR (4.0)
ANGPTL3 (6.7)	SLC22A1 (5.9)	LPA (5.5)	ABCG8 (4.8)	ABCG5 (4.8)
ABCG5 (3.6)	APOA4 (3.4)	ABCG8 (3.1)	C19orf80 (2.6)	HP (2.5)
ANGPTL3 (6.6)	APOC3 (6.4)	APOA5 (6.1)	APOC4 (5.3)	APOC1 (4.6)
APOC4 (6.1)	APOA5 (5.1)	LPA (4.9)	SLC22A1 (4.5)	HP (4.4)
APOA4 (5.9)	APOB (5.7)	APOC3 (5.6)	APOC4 (5.5)	TM6SF2 (5.2)
ABO (4.1)	HNF1A (3.6)	ANGPTL3 (3.6)	GCKR (3.6)	C19orf80 (3.5)
ABO (4.1)	HNF1A (3.6)	ANGPTL3 (3.6)	GCKR (3.6)	C19orf80 (3.5)
APOC4 (5.6)	APOA5 (5.4)	APOC3 (5.3)	APOB (5.3)	C19orf80 (4.4)
APOA4 (2.9)	TRAM2 (2.8)	APOB (2.6)	ABCG5 (2.4)	TM6SF2 (2.2)
LDLR (3.3)	HP (3.0)	C19orf80 (2.9)	ABCA1 (2.8)	FADS2 (2.5)
PLG (5.9)	APOA5 (5.8)	HP (4.7)	C19orf80 (4.7)	ANGPTL3 (4.7)
APOA4 (5.3)	APOC3 (5.2)	APOC1 (4.7)	LIPC (4.6)	ABCA1 (4.2)
APOC4 (3.6)	APOE (3.6)	HP (3.5)	LIPC (3.5)	PVRL2 (3.4)
APOA4 (4.1)	TM6SF2 (4.1)	LPAL2 (3.8)	TIMD4 (2.9)	APOC3 (2.7)
ANGPTL3 (6.0)	GCKR (5.9)	HP (5.9)	TIMD4 (5.9)	SLC22A1 (5.8)
IGF2R (3.0)	BCAM (2.8)	RASIP1 (2.8)	APOC1 (2.7)	APOB (2.5)
PLCG1 (2.6)	MAFB (2.6)	ENSG00000226648 (2	APOE (2.3)	TRAM2 (2.2)
SLC22A3 (2.6)	ENSG00000256731 (2	GPAM (2.6)	C19orf80 (2.5)	APOC1 (2.2)
GMIP (2.9)	GRINA (2.8)	TRIB1 (2.7)	ABCA1 (2.3)	PARP10 (2.1)
HMGCR (2.4)	FADS1 (2.3)	ENSG00000236267 (2	GPAM (2.1)	LIPG (2.1)
TOP1 (2.4)	ATP13A1 (2.3)	USP1 (2.3)	MAU2 (2.2)	KPNB1 (2.1)
APOE (3.6)	APOC4 (3.5)	FADS2 (3.2)	FADS1 (3.2)	SORT1 (3.1)
ENSG00000226806 (3	APOB (2.6)	CLPTM1 (2.4)	HNF1A (2.3)	C19orf80 (2.2)
SLC22A1 (4.2)	APOC4 (4.0)	LPA (3.8)	TM6SF2 (3.7)	C19orf80 (3.6)
SLC22A1 (4.2)	APOC4 (4.0)	LPA (3.8)	TM6SF2 (3.7)	C19orf80 (3.6)
GATAD2A (2.0)	SUMO1 (2.0)	ATXN1L (2.0)	MYLIP (1.8)	OASL (1.7)
PLG (5.9)	APOA5 (5.6)	ANGPTL3 (5.0)	HP (4.9)	APOC4 (4.5)
APOC3 (5.2)	TIMD4 (4.8)	LIPC (4.5)	APOC1 (4.4)	APOA5 (3.9)
NYNRIN (2.0)	ST3GAL4 (1.9)	ABCA1 (1.9)	ENSG00000254235 (1	EHBP1 (1.8)
LPA (2.6)	BUD13 (2.6)	MAP3K4 (2.6)	KPNB1 (2.5)	DHODH (2.4)
GCKR (3.7)	APOC1 (3.7)	LIPC (3.6)	SLC22A1 (3.4)	ENSG00000236267 (3
HP (2.7)	ENSG00000244861 (2	HNF4A (2.6)	APOB (2.5)	C19orf80 (2.4)
ABCG5 (3.5)	LCT (3.0)	HNF4A (2.8)	SLC22A2 (2.4)	ENSG00000182329 (2
ATXN1L (2.0)	GATAD2A (2.0)	SUMO1 (1.9)	MYLIP (1.7)	OASL (1.6)
ST3GAL4 (2.5)	HNF4A (2.4)	APOB (2.3)	FADS1 (2.2)	HP (2.2)
PLG (7.3)	SLC22A1 (5.5)	ABCG5 (5.1)	GCKR (4.8)	LIPC (4.7)
C17orf57 (2.4)	ABCA1 (2.0)	C19orf80 (1.8)	ENSG00000228044 (1	LPAL2 (1.7)
LCT (2.2)	KRTCAP3 (2.2)	HNF4A (2.2)	C19orf80 (2.0)	ENSG00000244861 (2

ANGPTL3 (3.9)	APOC4 (3.8)	GCKR (3.6)	CETP (3.5)	LIPC (3.5)
APOC1 (3.1)	MAFB (2.8)	LPIN3 (2.7)	ABCA1 (2.4)	SORT1 (2.4)
CEP250 (2.2)	ABCA6 (2.1)	SLC44A2 (2.1)	MAFB (1.8)	TIMD4 (1.8)
LPAR2 (2.5)	TOP1 (2.4)	FADS1 (2.3)	FADS2 (2.2)	HMGCR (2.0)
APOC4 (4.9)	GCKR (4.7)	ANGPTL3 (4.7)	PLG (4.6)	TM6SF2 (4.2)
TIMD4 (2.8)	SLC22A3 (2.7)	CETP (2.6)	APOA5 (2.3)	ENSG00000256731 (2
LCT (3.8)	FADS1 (2.9)	ABCG5 (2.8)	APOC3 (2.7)	FADS2 (2.6)
LPA (4.3)	C19orf80 (4.2)	APOC4 (4.1)	LIPC (4.1)	GCKR (4.1)
TOMM40 (3.0)	DHODH (2.8)	DHX38 (2.7)	DARS (2.6)	ATP13A1 (2.6)
HP (2.6)	TM6SF2 (2.4)	PVR (2.2)	FER1L4 (2.1)	C19orf80 (2.1)
ENSG00000235545 (3	HAVCR1 (3.1)	TSSK6 (3.0)	ENSG00000226622 (2	OBP2B (2.6)
APOA5 (3.3)	PLG (3.1)	FADS1 (3.0)	LPA (2.9)	C19orf80 (2.9)
PLG (5.4)	APOA5 (5.3)	C19orf80 (4.5)	HP (4.5)	ANGPTL3 (4.3)
APOC1 (4.9)	ABCG5 (4.6)	LIPC (4.4)	TM6SF2 (4.1)	ANGPTL3 (4.0)
APOA4 (3.6)	TM6SF2 (3.2)	ENSG00000236267 (3	LCT (2.9)	CBLC (2.8)
HP (2.3)	APOC3 (2.2)	BCAM (2.0)	GCKR (1.9)	C19orf80 (1.8)
TIMD4 (5.3)	APOC3 (5.1)	LIPC (4.6)	APOC1 (4.5)	ABCA1 (4.1)
HNF1A (2.8)	PCSK9 (2.6)	ABCG5 (2.6)	ENSG00000226806 (2	ABCG8 (2.4)
KRTCAP3 (2.6)	PCSK9 (2.5)	ABCG5 (2.3)	HNF4A (2.2)	LIPG (2.2)
APOC3 (5.6)	FADS2 (5.1)	ABCG5 (5.0)	FADS1 (5.0)	HMGCR (4.9)
LIPC (5.2)	APOC3 (5.1)	APOB (4.5)	APOA5 (4.2)	GCKR (4.0)
PLG (5.3)	APOA5 (5.2)	C19orf80 (4.4)	ANGPTL3 (4.4)	HP (4.4)
APOC1 (2.4)	MAFB (2.1)	GPAM (2.1)	APOB (2.0)	ZHX3 (1.9)
APOE (2.2)	CETP (2.1)	TRAM2 (2.1)	MAFB (1.8)	TIMD4 (1.8)
APOA5 (2.9)	DOCK6 (2.9)	GCKR (2.7)	ABCG5 (2.6)	FUT2 (2.4)
APOC1 (5.9)	PLG (5.8)	APOA5 (5.6)	ANGPTL3 (5.0)	HP (5.0)
APOC3 (2.6)	PLG (2.5)	RASIP1 (2.5)	ANGPTL3 (2.3)	APOB (2.2)
APOC3 (5.1)	TIMD4 (4.6)	LIPC (4.6)	APOC1 (4.6)	ABCA1 (4.2)
LPA (1.9)	MYLIP (1.9)	FUT2 (1.7)	ENSG00000231204 (1	DARS (1.6)
FGF21 (2.2)	BCAM (2.2)	DOCK6 (1.9)	ENSG00000244861 (1	PCSK9 (1.9)
ABCA1 (2.1)	MAFB (2.0)	BMPR2 (2.0)	APOE (2.0)	RASIP1 (2.0)
ATXN7L2 (2.8)	TM6SF2 (2.6)	ABCG8 (2.4)	PCSK9 (2.3)	ENSG00000235545 (2
APOC1 (3.3)	SLC22A1 (3.2)	APOC4 (3.2)	TIMD4 (2.8)	PCSK9 (2.6)
ANGPTL3 (4.0)	LPA (4.0)	PLG (3.9)	TM6SF2 (3.8)	GCKR (3.5)
GSTM4 (3.7)	LPA (3.7)	TM6SF2 (3.6)	ANGPTL3 (3.4)	GCKR (3.3)
FADS1 (7.3)	PCSK9 (6.7)	LIPG (4.6)	ENSG00000236267 (4	LPA (3.2)
PLG (4.4)	APOB (4.0)	APOE (3.9)	APOC3 (3.8)	APOC1 (3.2)
HNF4A (2.7)	GATAD2A (2.6)	OTX1 (2.5)	ATXN1L (2.4)	SORT1 (2.4)
APOA5 (6.5)	LPA (6.5)	HP (5.4)	SLC22A1 (5.4)	LIPC (5.2)
PLG (5.5)	APOA5 (5.0)	ANGPTL3 (5.0)	HP (4.4)	APOA4 (4.2)
FADS2 (5.6)	TM6SF2 (4.9)	ABCG8 (4.7)	ABCG5 (4.4)	APOA4 (3.9)
APOA5 (4.9)	TM6SF2 (4.6)	ANGPTL3 (4.4)	HNF4A (4.4)	ABCA6 (3.6)
SLC22A1 (4.8)	PLG (4.8)	ANGPTL3 (4.1)	LPAL2 (3.6)	GCKR (3.2)
LDLR (5.4)	PCSK9 (4.3)	LIPG (3.8)	GPAM (3.1)	ENSG00000236267 (2
APOC3 (5.2)	TIMD4 (4.9)	APOC1 (4.8)	LIPC (4.5)	ABCA1 (4.3)
LIPC (4.8)	APOB (4.4)	APOA5 (4.1)	APOC4 (4.1)	APOE (4.0)
FADS1 (7.2)	PCSK9 (6.8)	LIPG (4.5)	ENSG00000236267 (3	LPA (3.3)
SPATC1 (2.3)	FUT2 (2.3)	PBX4 (2.2)	IZUMO1 (2.1)	C17orf57 (1.9)
PLG (5.5)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)	APOC4 (4.1)
PGS1 (2.6)	APOC3 (2.5)	FADS1 (2.5)	PLCG1 (2.4)	APOA4 (2.4)

ABCG5 (4.2)	ANGPTL3 (3.7)	HNF4A (3.1)	PCSK9 (3.0)	APOA5 (3.0)
PLG (5.7)	APOB (5.5)	APOC3 (4.9)	APOA5 (4.7)	APOC4 (4.5)
PLG (5.4)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)	APOC4 (4.1)
PLG (5.4)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)	APOC4 (4.1)
C19orf80 (4.3)	LIPC (4.1)	ANGPTL3 (4.1)	APOC4 (4.0)	APOA5 (3.9)
APOC4 (2.3)	BMPR2 (2.2)	MAFB (2.2)	RASIP1 (2.0)	APOA5 (2.0)
DOCK7 (2.3)	LDLR (2.2)	BMPR2 (2.1)	FGF21 (2.1)	NPEPPS (1.9)
ANGPTL3 (3.1)	HP (3.1)	HNF4A (3.0)	SLC22A1 (2.9)	C19orf80 (2.7)
GPAM (3.6)	ABCG5 (3.5)	TM6SF2 (3.1)	ABCG8 (2.8)	COL4A3BP (2.7)
ANGPTL3 (5.1)	APOE (4.5)	APOC4 (4.3)	C19orf80 (4.2)	PLG (3.9)
LIPC (4.8)	APOE (4.2)	APOA5 (4.2)	APOB (4.1)	APOC4 (4.1)
GPAM (4.4)	C19orf80 (4.2)	TM6SF2 (3.6)	APOA4 (3.6)	ABCG5 (3.5)
NPEPPS (3.4)	DOCK7 (3.4)	C19orf80 (3.4)	APOA4 (3.3)	SYPL2 (3.2)
PLG (5.6)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)	APOA4 (4.1)
MAP3K4 (2.1)	ENSG00000254235 (1	TRAM2 (1.9)	SMARCA4 (1.7)	DHX38 (1.7)
CEP250 (2.3)	KANK2 (2.2)	PVRL2 (2.2)	C11orf9 (2.1)	LIPC (2.1)
ABCG8 (2.9)	ANGPTL3 (2.7)	SLC22A1 (2.7)	TM6SF2 (2.5)	SARS (2.5)
LPL (2.8)	FADS1 (2.5)	LIPG (2.4)	YIPF2 (2.4)	APOC3 (2.4)
PCSK9 (2.4)	ENSG00000254235 (2	LIPG (2.3)	HNF4A (2.3)	ABCG5 (2.2)
C17orf57 (2.6)	SLC44A2 (2.3)	C19orf80 (2.3)	GMIP (2.1)	SLC22A1 (2.1)
PLG (5.3)	APOA5 (5.3)	C19orf80 (4.7)	ANGPTL3 (4.4)	HP (4.4)
GCKR (5.4)	ABCG5 (5.3)	TM6SF2 (4.9)	APOA5 (4.7)	ANGPTL3 (4.6)
PLG (5.4)	APOA5 (5.0)	ANGPTL3 (4.7)	HP (4.3)	APOC4 (4.1)
RELB (2.6)	TIMD4 (2.6)	TOP1 (2.5)	APOE (2.4)	GMIP (2.1)
BCAM (3.0)	RASIP1 (2.7)	DOCK6 (2.5)	FGF21 (2.1)	LIPG (2.1)
HP (2.8)	LIPC (2.8)	ABCA6 (2.7)	RASIP1 (2.5)	LPA (2.1)
GCKR (5.3)	LPA (5.2)	APOA5 (5.2)	HP (5.0)	PLG (4.9)
APOC3 (4.9)	APOB (4.8)	LCT (4.4)	ABCA6 (4.0)	TM6SF2 (3.8)
PLG (3.6)	LPA (3.2)	GCKR (3.2)	DHODH (2.5)	GOT2P1 (2.5)
CBLC (2.5)	DOCK7 (2.5)	LDLR (2.3)	OTX1 (2.2)	HNF4A (2.2)
PLG (5.5)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.4)	APOA4 (4.1)
GPAM (2.4)	R3HDM1 (2.2)	LPL (2.2)	TRIB1 (2.1)	C19orf80 (1.9)
HP (4.5)	APOA5 (4.2)	GCKR (3.5)	LPA (3.4)	LIPC (3.3)
PLG (5.0)	APOA5 (4.8)	ANGPTL3 (4.3)	APOA4 (4.0)	HP (3.9)
FUT2 (3.3)	CBLC (3.2)	ENSG00000254235 (3	DOCK6 (2.8)	SLC22A1 (2.8)
FADS2 (2.8)	GPAM (2.8)	HNF1A (2.8)	ENSG00000236267 (2	FGF21 (2.6)
APOB (3.6)	ABCG8 (3.4)	LIPC (3.4)	COL4A3BP (2.9)	GSTM4 (2.4)
MAMSTR (3.1)	SYPL2 (3.1)	SNX17 (2.7)	LPAL2 (2.7)	EHBP1 (2.5)
APOE (3.5)	ENSG00000228044 (3	APOC1 (2.9)	APOA5 (2.8)	LIPC (2.8)
CYP26A1 (2.0)	CILP2 (2.0)	R3HDM1 (1.9)	FNDC4 (1.9)	ERGIC3 (1.8)
DOCK6 (2.6)	LIPC (2.6)	PLEC (2.6)	MYLIP (2.6)	ABCA1 (2.6)
TIMD4 (4.8)	APOC3 (4.8)	LIPC (4.6)	APOC1 (4.5)	ABCA1 (4.4)
PGS1 (2.9)	ATP13A1 (2.6)	PARP10 (2.5)	GRINA (2.1)	ENSG00000226648 (2
PGS1 (2.9)	ATP13A1 (2.6)	PARP10 (2.5)	GRINA (2.1)	ENSG00000226648 (2
PGS1 (2.9)	ATP13A1 (2.6)	PARP10 (2.5)	GRINA (2.1)	ENSG00000226648 (2
CETP (2.1)	SLC22A1 (2.0)	GRINA (1.8)	HP (1.8)	PARP10 (1.8)
APOC3 (3.1)	ANGPTL3 (3.0)	LIPC (3.0)	HP (2.5)	APOC1 (2.4)
TIMD4 (4.1)	APOB (4.1)	LIPC (3.9)	GCKR (3.6)	HP (3.5)
FADS1 (5.7)	HMGCR (5.1)	LPL (3.7)	PCSK9 (3.6)	C19orf80 (3.4)
PLG (5.5)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)	APOC4 (4.2)

SYPL2 (2.4)	GSTM4 (2.2)	C19orf80 (2.2)	ENSG00000182329 (2	ENSG00000236436 (2
LIPC (4.8)	APOE (4.2)	APOB (4.1)	APOA5 (4.1)	APOC4 (4.0)
OBP2B (2.1)	ST3GAL4 (1.7)	ATXN1L (1.6)	OASL (1.5)	ABCA6 (1.5)
DHX38 (2.2)	ATP13A1 (2.1)	ABCA5 (2.1)	SARS (2.0)	ZNF513 (2.0)
TM6SF2 (3.3)	APOA4 (2.8)	APOA5 (2.8)	SORT1 (2.8)	LCT (2.6)
APOC4 (5.6)	ABCG5 (5.3)	TM6SF2 (5.3)	APOA5 (5.1)	LPAL2 (4.6)
APOA4 (5.4)	LIPC (5.3)	ABCG5 (5.1)	PLG (4.9)	APOA5 (4.9)
IGF2R (3.0)	C11orf9 (2.3)	YIPF2 (2.2)	TRIB1 (2.1)	MAFB (2.1)
LIPC (4.5)	PLG (4.3)	HP (4.1)	C19orf80 (4.0)	LCT (3.8)
LIPC (4.3)	APOE (3.9)	APOB (3.9)	APOC3 (3.8)	APOC1 (3.3)
PLG (5.0)	APOA5 (4.7)	ANGPTL3 (4.3)	APOA4 (4.0)	HP (3.9)
SLC22A1 (5.2)	APOA5 (5.1)	GCKR (4.2)	C19orf80 (4.2)	APOC4 (4.1)
SNX17 (2.8)	ERGIC3 (2.6)	PPM1G (2.5)	SUGP1 (2.5)	TOMM40 (2.3)
TRIB1 (2.9)	ABCA1 (2.3)	COL4A3BP (2.3)	RELB (2.2)	GRINA (2.2)
APOC3 (5.1)	APOC1 (4.7)	LIPC (4.6)	TIMD4 (4.5)	ABCA1 (4.3)
HAVCR1 (2.3)	CBLC (2.2)	TRAM2 (2.2)	KRTCAP3 (2.0)	RASIP1 (2.0)
ABCA6 (2.3)	LIPG (2.3)	CETP (2.2)	FGF21 (2.1)	GRINA (2.1)
APOC1 (5.0)	LIPC (4.1)	APOA5 (3.3)	ABCG5 (3.1)	PLG (3.0)
HP (6.4)	APOA5 (6.3)	SLC22A1 (6.3)	PLG (6.2)	GCKR (5.5)
PLG (5.5)	APOA5 (5.2)	ANGPTL3 (4.9)	HP (4.5)	APOC1 (4.3)
APOE (3.5)	SLC22A1 (3.2)	APOA5 (3.1)	APOC1 (3.0)	BCAM (2.7)
ABCA1 (2.3)	LDLR (2.3)	PLEC (2.1)	IGF2R (2.0)	APOE (1.9)
ERGIC3 (2.9)	APOC1 (2.6)	GRINA (2.6)	PLCG1 (2.5)	TIMD4 (2.4)
PLG (4.7)	LIPC (4.6)	HP (4.2)	APOA5 (3.9)	APOC4 (3.9)
NFE2L3 (2.1)	BMPR2 (2.0)	BCAM (2.0)	PLCG1 (2.0)	SLC22A1 (2.0)
SLC44A2 (2.6)	GATAD2A (2.6)	ENSG00000226806 (2	ATXN1L (2.3)	GNAI3 (2.2)
GCKR (2.6)	GPR61 (2.6)	SLC22A1 (2.5)	TM6SF2 (2.3)	APOA5 (2.2)
APOA4 (2.3)	ABCG8 (2.1)	TOP1 (2.1)	UBXN4 (1.9)	ATP13A1 (1.9)
TIMD4 (2.2)	ABCA6 (1.8)	OBP2B (1.7)	PGS1 (1.6)	SLC22A1 (1.5)
ZHX3 (2.3)	TRIB1 (2.2)	ABCA1 (2.2)	APOA5 (2.1)	HP (2.1)
FADS1 (2.7)	MAP3K4 (2.6)	KPNB1 (2.5)	CYP26A1 (2.3)	NPEPPS (2.2)
HNF1A (2.3)	TOMM40 (2.3)	TSSK6 (2.0)	DHODH (1.9)	ENSG00000256731 (1
PVR (2.4)	TRAM2 (2.3)	ST3GAL4 (2.2)	TIMD4 (2.1)	IGF2R (2.1)
BCAM (2.4)	CILP2 (2.4)	HMGCR (2.2)	NYNRIN (2.1)	RASIP1 (2.1)
APOC4 (4.7)	SLC22A1 (4.6)	LPA (4.3)	APOC1 (4.2)	APOA5 (3.9)
TIMD4 (3.6)	APOC1 (3.6)	APOE (3.6)	LCT (3.5)	APOB (3.3)
BCAM (3.0)	TBKBP1 (2.9)	FUT1 (2.4)	LIPG (2.2)	ENSG00000226806 (2
MAFB (2.7)	ABCA6 (2.6)	LIPG (2.5)	PLG (2.4)	APOC4 (2.4)
BCAM (3.2)	APOC4 (2.9)	APOC3 (2.8)	APOA5 (2.8)	GCKR (2.7)
TRIM54 (3.1)	DARS (3.0)	GOT2P1 (2.8)	HP (2.8)	NPEPPS (2.8)
ENSG00000236267 (2	GCKR (2.2)	PGS1 (2.1)	FNDC4 (2.0)	OBP2B (1.9)
ABCG8 (2.8)	ABCG5 (2.8)	LCT (2.7)	APOA4 (2.6)	HP (2.3)
GPAM (3.2)	HP (2.9)	GCKR (2.8)	LCT (2.8)	C19orf80 (2.6)
ENSG00000231204 (2	ST3GAL4 (1.7)	ATXN1L (1.6)	GDF5 (1.5)	ABCA1 (1.5)
HP (7.7)	APOB (6.4)	APOC4 (6.3)	APOC3 (6.2)	APOA5 (5.9)
ANGPTL3 (4.9)	PLG (4.9)	APOA5 (4.4)	LPA (4.3)	GCKR (4.2)
ATXN1L (3.1)	RASIP1 (3.1)	MAP3K4 (2.3)	BMPR2 (2.2)	APOB (2.1)
ATXN1L (2.1)	NYNRIN (2.0)	CARM1 (1.8)	ENSG00000236436 (1	ENSG00000254235 (1
CYP26A1 (2.5)	EHBP1 (2.1)	LPL (2.1)	BMPR2 (2.1)	ABCA1 (2.0)
APOA5 (2.2)	APOC3 (2.1)	DOCK6 (2.1)	LIPC (2.0)	ABCG5 (2.0)

APOA5 (3.3)	HP (3.2)	SYPL2 (3.1)	TRIM54 (3.0)	SLC22A3 (3.0)
LIPC (4.6)	APOC4 (3.7)	APOE (3.7)	APOA5 (3.6)	APOB (3.5)
PLG (3.0)	MAFB (2.7)	LPL (2.5)	GCKR (2.5)	FNDC4 (2.3)
ABCA1 (3.6)	APOE (3.6)	LIPC (3.0)	C19orf80 (2.9)	ABCG5 (2.9)
TM6SF2 (3.8)	ABCG5 (3.7)	CYP26A1 (3.7)	APOB (3.6)	LCT (3.4)
FER1L4 (2.3)	APOA5 (2.3)	APOC4 (2.2)	FGF21 (2.2)	DNAH11 (2.0)
CETP (2.9)	TSSK6 (2.6)	SPATC1 (2.3)	APOE (2.3)	FUT2 (2.1)
TXNL4B (2.3)	MYLIP (2.1)	ZNF821 (2.0)	PGS1 (2.0)	POLK (1.9)
ANGPTL3 (6.4)	PLG (4.9)	APOC4 (4.7)	C19orf80 (4.5)	APOA5 (4.4)
GMIP (2.7)	ZHX3 (2.6)	PGS1 (2.4)	COL4A3BP (2.3)	EHBP1 (2.3)
BMPR2 (2.4)	TBKBP1 (2.4)	DOCK6 (2.2)	SMARCA4 (2.2)	C11orf9 (2.0)
LIPC (3.1)	C19orf80 (3.0)	SLC22A2 (2.9)	HNF4A (2.8)	HP (2.6)
ABCA6 (2.0)	SLC22A2 (1.9)	FUT2 (1.8)	ENSG00000182329 (1	GSTM4 (1.6)
ABCA6 (4.1)	LPAL2 (4.0)	SLC22A1 (3.8)	ABCG8 (3.7)	HNF4A (3.5)
EHBP1 (2.9)	HNF4A (2.7)	LIPG (2.7)	FADS2 (2.5)	HMGCR (2.4)
TOMM40 (3.4)	DHX38 (3.3)	ATP13A1 (3.3)	C12orf43 (2.6)	NUP93 (2.6)
PCSK9 (2.6)	APOC1 (2.5)	FNDC4 (2.4)	USP24 (2.3)	DOCK6 (2.2)
APOA4 (3.8)	APOC1 (3.7)	APOC3 (3.6)	APOE (3.5)	APOA5 (3.1)
APOA4 (3.9)	ABCG5 (3.8)	ENSG00000236267 (3	TIMD4 (3.2)	GCKR (3.0)
NPEPPS (2.3)	SLC44A2 (2.1)	CLPTM1 (2.1)	HNF4A (2.0)	TRIM54 (1.9)
LPA (3.9)	ANGPTL3 (3.6)	APOC4 (3.5)	LPAL2 (3.2)	SARS (2.9)
LIPG (2.5)	HP (2.3)	IZUMO1 (2.2)	MYLIP (2.1)	RELB (2.0)
ENSG00000226645 (1	ATXN1L (1.6)	ENSG00000254235 (1	USP24 (1.6)	IGF2R (1.6)
FADS1 (3.1)	HNF4A (2.9)	TRAM2 (2.6)	FADS2 (2.3)	DOCK7 (2.1)
DOCK7 (2.5)	MAP3K4 (2.3)	LIPG (2.1)	BMPR2 (2.1)	SPATC1 (2.0)
ABCG8 (5.9)	TM6SF2 (5.8)	APOC4 (5.5)	APOA5 (4.7)	CYP26A1 (4.6)
NPEPPS (1.9)	PGS1 (1.8)	ENSG00000226645 (1	TRIB1 (1.6)	RAB3GAP1 (1.6)
MAFB (3.0)	LPL (2.7)	PLG (2.7)	ABCA6 (2.4)	GSTM5 (2.3)
MAFB (3.0)	LPL (2.7)	PLG (2.7)	ABCA6 (2.4)	GSTM5 (2.3)
CLPTM1 (2.6)	MAP3K4 (2.3)	ATP13A1 (2.3)	R3HDM1 (2.2)	MAFB (2.2)
C11orf9 (2.4)	SORT1 (2.1)	CETP (1.8)	FNDC4 (1.8)	LPIN3 (1.7)
PPM1G (2.6)	NUP93 (2.4)	DHX38 (2.4)	ENSG00000254235 (2	KPNB1 (2.2)
TM6SF2 (4.3)	APOB (4.3)	LCT (4.3)	CYP26A1 (3.5)	APOA5 (3.2)
APOC4 (5.6)	ABCG5 (5.4)	ANGPTL3 (4.7)	APOA5 (4.6)	GCKR (4.2)
CYP26A1 (2.8)	DOCK6 (2.8)	BMPR2 (2.7)	NYNRIN (2.7)	KRTCAP3 (2.6)
APOC4 (5.2)	LPA (4.7)	GCKR (4.7)	APOA5 (4.2)	ANGPTL3 (3.8)
ENSG00000226622 (4	SLC22A1 (4.6)	GCKR (4.2)	LPA (4.0)	TM6SF2 (3.8)
CLPTM1 (2.1)	SLC44A2 (2.1)	KPNB1 (1.9)	NPEPPS (1.9)	C11orf9 (1.8)
TM6SF2 (3.9)	ABCG5 (3.8)	APOB (3.6)	CYP26A1 (3.5)	LCT (3.3)
MAFB (2.9)	LDLR (2.8)	APOC1 (2.6)	CELSR2 (2.3)	TRIB1 (2.1)
MAFB (2.9)	TIMD4 (2.5)	SORT1 (2.3)	ABCG8 (2.3)	FUT2 (2.0)
TBKBP1 (2.6)	DOCK6 (2.6)	LPAR2 (2.5)	RASIP1 (2.5)	GDF5 (2.3)
RELB (2.8)	OASL (2.5)	PVR (2.2)	ABCG8 (2.2)	TOP1 (2.1)
C19orf80 (3.9)	FADS2 (3.6)	HMGCR (3.3)	TM6SF2 (3.3)	APOA4 (3.2)
SPATC1 (2.3)	KANK2 (2.1)	PLG (2.0)	APOC4 (2.0)	ANGPTL3 (1.9)
APOE (2.9)	LPL (2.9)	CILP2 (2.6)	TRAM2 (2.5)	PVRL2 (2.4)
C19orf80 (3.5)	FADS2 (3.5)	HMGCR (3.5)	GCKR (3.3)	TM6SF2 (3.2)
OTX1 (2.3)	DOCK6 (2.2)	FUT1 (2.2)	IGF2R (2.1)	LPL (2.0)
TIMD4 (4.2)	RELB (3.7)	GMIP (3.4)	ZNF513 (2.9)	PARP10 (2.4)
PLG (4.3)	APOA5 (4.2)	APOA4 (4.1)	LIPC (3.9)	LCT (3.8)

ABCG5 (2.3)	FUT2 (2.1)	LPA (2.0)	LPAL2 (2.0)	FUT1 (1.9)
NOP58 (2.4)	SUGP1 (1.9)	AMIGO1 (1.8)	DHX38 (1.8)	SMARCA4 (1.7)
C19orf80 (3.9)	FADS2 (3.6)	HMGCR (3.3)	TM6SF2 (3.3)	APOA4 (3.2)
LIPC (4.4)	ANGPTL3 (4.4)	APOC1 (4.2)	APOA5 (3.8)	APOC4 (3.7)
GCKR (5.2)	APOC4 (5.1)	ABCG5 (4.9)	LPA (4.4)	ANGPTL3 (4.3)
ABCA1 (3.6)	LPA (3.2)	MAFB (3.2)	ABCA6 (2.9)	SLC22A1 (2.9)
FUT2 (3.7)	MYLIP (2.8)	LPL (2.8)	ABCG5 (2.1)	APOC1 (2.1)
CBLC (2.5)	TRAM2 (2.4)	KRTCAP3 (2.3)	APOB (2.1)	HNF4A (2.1)
C19orf80 (2.5)	FADS1 (2.3)	APOC1 (2.3)	GPAM (2.2)	YSK4 (2.2)
APOC3 (6.0)	APOB (5.9)	APOA5 (5.7)	APOC1 (5.4)	APOC4 (5.3)
PCSK9 (3.0)	HNF4A (2.9)	APOC3 (2.9)	APOE (2.7)	HMGCR (2.4)
PCSK9 (2.2)	NYNRIN (2.0)	ZRANB3 (2.0)	PLCG1 (1.9)	ENSG00000256731 (1
NYNRIN (2.1)	PLCG1 (2.1)	RP1 (2.0)	GATAD2A (1.9)	NCAN (1.8)
GCKR (4.6)	APOC4 (4.5)	HP (4.2)	LPA (4.2)	SLC22A1 (4.0)
APOA5 (4.5)	PLG (4.3)	C19orf80 (4.0)	LCT (4.0)	ANGPTL3 (3.9)
ATP13A1 (2.9)	DHX38 (2.9)	TOMM40 (2.8)	NOP58 (2.7)	DARS (2.6)
HP (3.3)	LPL (3.3)	APOE (3.1)	APOA5 (3.1)	ABCA1 (2.8)
LCT (2.8)	SLC22A1 (2.5)	LPAL2 (2.4)	FADS2 (2.2)	APOA4 (2.0)
TM6SF2 (6.8)	ABCG8 (6.1)	GCKR (5.9)	APOA5 (5.8)	APOC4 (5.5)
C19orf80 (2.9)	FADS2 (2.8)	R3HDM1 (2.8)	PLG (2.6)	TM6SF2 (2.4)
SORT1 (2.7)	ENSG00000254235 (2	SYPL2 (2.6)	GPAM (2.4)	DARS (2.3)
C19orf80 (2.4)	TIMD4 (2.4)	GCKR (2.3)	FUT2 (2.3)	APOC1 (2.2)
APOA5 (4.5)	GCKR (4.4)	HP (4.3)	APOC4 (4.1)	C19orf80 (4.1)
GPAM (3.7)	TM6SF2 (3.1)	ABCG5 (2.9)	LDLR (2.8)	ABCG8 (2.6)
USP24 (2.1)	RAB3GAP1 (1.9)	IZUMO1 (1.8)	MAU2 (1.8)	DOCK6 (1.8)
PVRL2 (3.3)	HAVCR1 (3.1)	TIMD4 (2.8)	GMIP (2.4)	CETP (2.2)
LPA (3.0)	APOC4 (2.9)	PLG (2.9)	GCKR (2.7)	ENSG00000226648 (2
SORT1 (2.5)	C19orf80 (2.4)	GRINA (2.3)	SYPL2 (2.2)	ABCG8 (2.2)
KANK2 (2.3)	ENSG00000244861 (2	GATAD2A (2.0)	ATXN1L (1.9)	CYP26A1 (1.8)
ABCG5 (3.7)	LIPC (3.7)	APOB (3.4)	APOC3 (3.3)	ABCA1 (3.3)
ABCG5 (3.7)	LIPC (3.7)	APOB (3.4)	APOC3 (3.3)	ABCA1 (3.3)
APOC4 (1.9)	ENSG00000182329 (1	DNAH11 (1.8)	GSTM5 (1.7)	C19orf80 (1.6)
ANGPTL3 (3.1)	APOC3 (3.0)	ABCA1 (2.9)	PVR (2.9)	APOA5 (2.9)
CETP (2.9)	SLC22A2 (2.6)	ABCA6 (2.5)	SLC22A1 (2.4)	APOC3 (2.2)
HNF1A (3.0)	PCSK9 (2.9)	LIPC (2.9)	APOB (2.8)	APOE (2.7)
PGS1 (3.0)	OASL (3.0)	GMIP (2.4)	FER1L4 (2.2)	FADS2 (2.0)
TOMM40 (3.3)	DHODH (2.6)	DARS (2.5)	DHX38 (2.4)	C12orf43 (2.4)
CETP (2.7)	LPL (2.3)	KANK2 (2.3)	ENSG00000231204 (2	ABCA1 (1.9)
PVR (2.8)	HNF1A (2.7)	ENSG00000256731 (2	PCSK9 (2.4)	TRAM2 (2.4)
LIPG (3.3)	ANGPTL3 (2.7)	LPL (2.6)	APOC4 (2.4)	LIPC (2.4)
BCAM (4.1)	APOE (3.9)	PLG (3.9)	HP (3.7)	APOC1 (3.6)
DOCK6 (3.0)	NYNRIN (2.5)	TRIB1 (2.5)	PVR (2.4)	APOE (2.0)
LIPC (2.0)	LIPG (1.8)	BCAM (1.8)	MAFB (1.8)	SLC22A1 (1.8)
GPAM (4.5)	HMGCR (3.9)	LPL (3.0)	PCSK9 (2.9)	APOA4 (2.5)
NFE2L3 (2.6)	TBKBP1 (2.2)	RASIP1 (2.0)	CETP (1.9)	PLEC (1.9)
PSMA5 (3.9)	TOMM40 (3.5)	PPM1G (3.5)	UBXN4 (3.4)	NUP93 (2.8)
PLCG1 (2.5)	PVR (2.5)	CELSR2 (2.3)	PVRL2 (2.1)	FGF21 (2.1)
DARS (3.4)	PPM1G (3.2)	ATP13A1 (3.0)	AMPD2 (3.0)	DHX38 (2.8)
MAMSTR (2.9)	LIPG (2.7)	MAFB (2.6)	POLK (2.6)	ENSG00000236267 (2
HP (3.2)	LPA (2.8)	C19orf80 (2.3)	TRIB1 (2.2)	NFE2L3 (2.1)

MAFB (2.3)	OTX1 (2.3)	APOB (2.2)	SLC44A2 (2.2)	ABO (2.1)
LIPG (2.4)	PVRL2 (2.3)	CEP250 (2.1)	PVR (2.0)	LDLR (1.8)
MAP3K4 (2.3)	DHX38 (2.2)	SMARCA4 (2.1)	TRAM2 (2.1)	NRBP1 (1.7)
FADS1 (2.0)	KANK2 (1.9)	GRINA (1.8)	PGS1 (1.8)	GOT2P1 (1.5)
BCAM (4.1)	PLG (4.0)	APOE (3.9)	HP (3.7)	APOC1 (3.5)
MAP3K4 (2.2)	CYP26A1 (2.2)	FER1L4 (2.0)	TRAM2 (2.0)	HNF4A (2.0)
GDF5 (2.5)	PVRL2 (2.5)	CYP26A1 (2.2)	AMIGO1 (2.2)	LPAR2 (2.1)
APOA5 (3.0)	APOC4 (3.0)	ENSG00000226645 (2	ANGPTL3 (2.7)	TIMD4 (2.6)
CBLC (2.5)	BCAM (2.4)	OTX1 (2.4)	ABCG8 (2.4)	GDF5 (2.4)
DOCK6 (2.4)	EHBP1 (2.4)	LIPG (2.4)	BCAM (2.3)	NYNRIN (2.2)
TOMM40 (2.8)	DHX38 (2.7)	DARS (2.7)	CARM1 (2.7)	NOP58 (2.6)
CILP2 (2.7)	APOE (2.3)	ENSG00000236267 (2	ABCA1 (2.1)	BCAM (2.1)
ATXN1L (2.1)	NYNRIN (2.0)	CARM1 (1.9)	ENSG00000254235 (1	ENSG00000236436 (1
APOB (4.7)	GSTM5 (4.5)	ANGPTL3 (3.4)	HAVCR1 (3.3)	HNF4A (3.2)
ZHX3 (2.4)	DHX38 (2.1)	ZNF513 (2.1)	RAB3GAP1 (2.1)	LPAL2 (2.1)
MYLIP (2.3)	GATAD2A (2.1)	GDF5 (2.0)	SUMO1 (1.8)	POLK (1.7)
HNF1A (2.5)	ENSG00000236267 (2	APOA4 (2.3)	APOA5 (2.3)	ABCA6 (2.2)
TIMD4 (2.0)	FUT2 (1.8)	CETP (1.8)	OBP2B (1.7)	APOA5 (1.6)
BCAM (4.2)	PLG (3.9)	APOE (3.7)	HP (3.7)	C19orf80 (3.5)
PSRC1 (2.6)	CYP26A1 (2.5)	PVRL2 (2.1)	SMARCA4 (2.0)	SLC44A2 (1.9)
PSMA5 (1.9)	GCKR (1.9)	CELSR2 (1.8)	HP (1.6)	TRIB1 (1.6)
ABCA1 (3.3)	MAFB (2.9)	GCKR (2.7)	FER1L4 (2.3)	LPA (2.2)
APOE (2.9)	ABCA1 (2.7)	RASIP1 (2.6)	IGF2R (2.3)	APOC4 (2.3)
ABCA1 (3.0)	PGS1 (2.8)	HP (2.7)	TIMD4 (2.7)	LIPG (2.5)
APOA4 (4.1)	HP (2.8)	TM6SF2 (2.7)	APOC1 (2.6)	FGF21 (2.5)
TM6SF2 (2.5)	NPEPPS (2.5)	ENSG00000236436 (2	C19orf80 (2.4)	ST3GAL4 (2.3)
GMIP (2.3)	POLK (2.2)	TRIB1 (2.1)	C11orf9 (2.0)	COL4A3BP (2.0)
C19orf80 (3.8)	FADS2 (3.8)	HMGCR (3.4)	APOA4 (3.3)	TM6SF2 (3.3)
LPA (3.5)	FADS1 (3.4)	HMGCR (3.4)	GCKR (3.2)	APOC4 (3.0)
TRAM2 (2.6)	BCAM (2.5)	NPEPPS (2.3)	C11orf9 (2.3)	FER1L4 (2.2)
ATP13A1 (2.2)	HNF4A (2.2)	CLPTM1 (2.2)	GSTM4 (2.2)	SLC22A1 (2.2)
BCAM (2.8)	PVR (2.5)	LPL (2.3)	EHBP1 (2.2)	ATP13A1 (2.1)
TRAM2 (3.0)	LIPG (2.9)	DOCK6 (2.6)	ENSG00000254235 (2	BMPR2 (2.2)
SLC44A2 (2.6)	SYPL2 (2.5)	USP24 (2.4)	GMIP (2.1)	PGS1 (2.0)
BMPR2 (2.8)	TBKBP1 (2.3)	PLCG1 (2.2)	NYNRIN (2.2)	PLEC (2.2)
TOMM40 (3.3)	DHX38 (3.2)	DHODH (3.2)	C12orf43 (2.6)	PPM1G (2.2)
FER1L4 (2.2)	KRTCAP3 (1.9)	ATXN7L2 (1.8)	PVRL2 (1.8)	ENSG00000228044 (1
PLG (3.1)	SARS (2.9)	BCAM (2.6)	DOCK7 (2.3)	HAPLN4 (2.2)
LDLR (5.5)	PCSK9 (2.7)	LIPG (2.6)	ENSG00000256731 (2	APOA5 (2.5)
ANGPTL3 (5.8)	APOE (4.4)	PLG (4.4)	APOC1 (4.2)	APOC4 (4.2)
GCKR (4.6)	APOC4 (4.6)	SLC22A1 (4.5)	CETP (4.0)	ANGPTL3 (3.9)
NYNRIN (3.7)	PVRL2 (3.3)	TBKBP1 (3.3)	BMPR2 (2.8)	TRIM54 (2.4)
NRBP1 (3.0)	SMARCA4 (3.0)	TOMM40 (3.0)	CLPTM1 (2.9)	PSMA5 (2.9)
APOA4 (4.3)	APOC3 (4.0)	TM6SF2 (4.0)	APOB (4.0)	ABCA6 (3.9)
AMPD2 (3.3)	C12orf43 (3.0)	DHX38 (2.7)	PPM1G (2.6)	DARS (2.5)
ANGPTL3 (3.3)	APOC4 (3.2)	APOB (3.1)	APOA5 (3.1)	SLC22A1 (3.1)
LIPC (4.2)	APOC3 (4.1)	HNF4A (4.1)	APOC4 (4.0)	HP (3.3)
HP (2.7)	C19orf80 (2.6)	HNF4A (2.6)	GOT2P1 (2.4)	ENSG00000236267 (2
LIPC (3.6)	ENSG00000182329 (3	LPA (3.5)	GCKR (2.8)	ANGPTL3 (2.8)
NYNRIN (2.5)	BCAM (2.4)	TRAM2 (2.3)	PVR (2.2)	ATXN1L (2.1)

PLEC (2.7)	PVRL2 (2.3)	GATAD2A (2.3)	TRAM2 (2.1)	TBKBP1 (2.1)
TIMD4 (4.0)	LCT (3.5)	TM6SF2 (3.5)	APOC1 (3.3)	C19orf80 (3.1)
TIMD4 (4.0)	LCT (3.5)	TM6SF2 (3.5)	APOC1 (3.3)	C19orf80 (3.1)
ABCA1 (2.1)	ANGPTL3 (2.0)	APOE (1.9)	GRINA (1.8)	TIMD4 (1.7)
PARP10 (2.4)	DHX38 (2.4)	CLPTM1 (2.3)	ATP13A1 (2.1)	SLC44A2 (2.0)
GSTM5 (3.0)	FADS1 (2.8)	APOA5 (2.7)	APOC1 (2.5)	GPAM (2.3)
SORT1 (2.6)	LPAL2 (2.5)	ENSG00000254235 (2	GPAM (2.2)	GSTM4 (2.1)
SORT1 (2.6)	LPAL2 (2.5)	ENSG00000254235 (2	GPAM (2.2)	GSTM4 (2.1)
MAFB (3.4)	ABCA1 (3.2)	TIMD4 (2.9)	PGS1 (2.8)	HP (2.3)
RP1 (2.4)	IGF2R (2.2)	ABCA1 (1.9)	GPAM (1.9)	OBP2B (1.8)
LDLR (2.5)	PGS1 (2.4)	HMGCR (2.3)	PCSK9 (2.2)	ENSG00000254235 (2
FADS1 (2.9)	HMGCR (2.7)	ATP13A1 (2.5)	FADS2 (2.3)	CLPTM1 (2.3)
APOC1 (2.4)	LIPC (2.1)	PARP10 (2.1)	SLC22A1 (2.1)	GCKR (2.1)
PLCG1 (2.4)	NYNRIN (2.4)	DOCK6 (2.3)	ENSG00000244861 (2	SPATC1 (2.2)
APOE (2.3)	CYP26A1 (2.2)	IGF2R (2.2)	PGS1 (2.1)	BCAM (2.0)
FADS2 (8.8)	PCSK9 (7.4)	LIPG (4.1)	SLC22A1 (3.6)	PLG (2.5)
ENSG00000236267 (3	SPATC1 (3.6)	SLC22A1 (3.5)	ANGPTL3 (3.5)	HNF4A (3.3)
C12orf43 (3.1)	DHODH (3.1)	TOMM40 (3.1)	DARS (2.6)	DHX38 (2.3)
PVRL2 (3.2)	DOCK6 (2.6)	LIPG (2.6)	ENSG00000254235 (2	BMPR2 (2.4)
RASIP1 (2.5)	TRIB1 (2.5)	MAU2 (2.2)	USP24 (2.1)	PGS1 (2.0)
GRINA (2.0)	CLPTM1 (2.0)	APOC3 (1.9)	ABCG8 (1.9)	MAFB (1.9)
ENSG00000235545 (2	FADS2 (2.3)	ATXN7L2 (2.2)	LIPG (2.1)	ABO (1.9)
PVR (2.3)	BMPR2 (2.1)	CARM1 (2.0)	C17orf57 (1.9)	KRTCAP3 (1.9)
SLC22A3 (2.6)	ZHX3 (2.3)	SORT1 (2.2)	SYPL2 (2.2)	ABCA1 (2.2)
NRBP1 (3.1)	PLG (3.1)	GOT2P1 (2.9)	CARM1 (2.8)	KPNB1 (2.8)
HP (2.6)	C19orf80 (2.5)	SPATC1 (2.5)	ENSG00000236267 (2	HNF4A (2.3)
LPAL2 (2.7)	ENSG00000254235 (2	SORT1 (2.5)	GPAM (2.2)	ZHX3 (2.1)
ANGPTL3 (3.7)	GCKR (3.3)	APOC4 (3.2)	CETP (3.0)	APOA5 (2.4)
DHODH (3.0)	AMPD2 (2.8)	C12orf43 (2.5)	UBXN4 (2.4)	DARS (2.4)
C19orf80 (3.4)	FADS2 (3.3)	HMGCR (3.2)	TM6SF2 (3.0)	APOA4 (2.9)
LDLR (4.7)	GPAM (4.4)	PCSK9 (4.3)	C19orf80 (3.4)	GSTM5 (2.6)
LIPG (2.9)	CBLC (2.9)	CEP250 (2.5)	GMIP (2.4)	APOC1 (2.2)
DHODH (3.0)	DARS (2.6)	AMPD2 (2.5)	C12orf43 (2.4)	ATP13A1 (2.4)
CARM1 (2.4)	C11orf9 (2.3)	CETP (2.3)	NRBP1 (2.2)	TIMD4 (2.2)
LIPG (2.2)	TRIB1 (2.0)	IZUMO1 (1.4)	POLK (1.3)	ABCA1 (1.3)
LPIN3 (2.8)	LPA (2.6)	ANGPTL3 (2.6)	FGF21 (2.5)	SLC22A1 (2.4)
DOCK6 (2.5)	TBKBP1 (2.4)	BCAM (2.3)	RASIP1 (1.9)	NYNRIN (1.9)
HP (3.4)	APOC1 (3.3)	CETP (3.3)	APOC3 (3.2)	GCKR (3.1)
TOMM40 (3.8)	DARS (2.9)	AMPD2 (2.8)	ATP13A1 (2.6)	DHX38 (2.5)
PLG (5.6)	APOA4 (5.1)	LIPC (4.8)	HNF4A (4.5)	APOC4 (3.6)
ABCG8 (3.6)	APOA5 (2.9)	C19orf80 (2.9)	ABCG5 (2.7)	MAP3K4 (2.6)
DHX38 (2.6)	ANGPTL3 (2.5)	C19orf80 (2.5)	ZNF821 (2.5)	ZNF513 (2.5)
APOC4 (5.5)	APOA5 (5.1)	ABCG8 (5.1)	TM6SF2 (5.0)	HP (4.8)
CILP2 (2.0)	NFE2L3 (2.0)	IGF2R (2.0)	OTX1 (1.9)	HNF4A (1.8)
PLCG1 (2.1)	DOCK6 (2.1)	ATXN7L2 (1.7)	ABO (1.6)	OTX1 (1.6)
KPNB1 (2.7)	UBXN4 (2.6)	PLEC (2.5)	SMARCA4 (2.1)	GNAI3 (2.1)
PVRL2 (3.0)	LIPG (2.6)	DOCK6 (2.5)	ENSG00000254235 (2	BMPR2 (2.2)
ZNF513 (2.2)	CEP250 (2.1)	LPAR2 (2.0)	CBLC (1.9)	CLPTM1 (1.7)
GOT2P1 (2.5)	SORT1 (2.2)	SYPL2 (2.1)	ERGIC3 (2.0)	PMFBP1 (1.9)
DOCK6 (2.2)	POLK (1.9)	TBKBP1 (1.9)	PVR (1.8)	FUT1 (1.7)

GSTM5 (2.5)	LPAL2 (2.2)	GDF5 (2.2)	GMIP (2.1)	SMARCA4 (2.1)
NFE2L3 (2.8)	TBKBP1 (2.6)	SLC44A2 (2.4)	HP (2.2)	TIMD4 (2.2)
LPA (5.5)	ABCA6 (5.2)	GCKR (4.8)	APOC4 (4.7)	APOA4 (4.5)
NPEPPS (2.6)	ABCA6 (2.4)	ENSG00000254235 (2	PVR (2.2)	DOCK7 (2.1)
IGF2R (2.7)	APOA4 (2.5)	TM6SF2 (2.4)	TRAM2 (2.4)	LCT (2.0)
CETP (2.7)	ZNF821 (2.7)	CBLC (2.6)	PCSK9 (2.5)	PLEC (2.5)
SLC22A1 (4.1)	APOC4 (4.1)	ABCG5 (3.7)	APOA5 (3.7)	HNF4A (3.6)
TOMM40 (3.2)	USP24 (3.1)	DARS (2.9)	DHX38 (2.9)	UBXN4 (2.8)
TIMD4 (3.7)	PVRL2 (3.4)	LIPG (2.7)	BCAM (2.5)	TBKBP1 (2.2)
CILP2 (2.0)	ENSG00000236436 (1	ENSG00000256731 (1	FNDC4 (1.8)	KANK2 (1.8)
APOB (2.8)	NRBP1 (2.7)	PLG (2.6)	PGS1 (2.5)	HP (2.5)
NYNRIN (2.8)	TRAM2 (2.6)	PLEC (2.6)	BCAM (2.5)	ENSG00000235545 (2
APOC4 (3.2)	APOA5 (2.9)	PLG (2.7)	HP (2.6)	C19orf80 (2.5)
GPR61 (2.2)	NPEPPS (2.1)	DHODH (1.9)	ENSG00000228044 (1	AMIGO1 (1.8)
GSTM4 (2.5)	TM6SF2 (2.5)	GOT2P1 (2.3)	TRAM2 (2.0)	APOB (2.0)
FADS1 (6.6)	PCSK9 (5.7)	LIPG (4.9)	ST3GAL4 (3.4)	ENSG00000226622 (3
APOE (3.5)	SPATC1 (3.5)	APOB (3.4)	ABCA1 (3.4)	TIMD4 (3.4)
APOE (3.5)	SPATC1 (3.5)	APOB (3.4)	ABCA1 (3.4)	TIMD4 (3.4)
APOE (3.5)	SPATC1 (3.5)	APOB (3.4)	ABCA1 (3.4)	TIMD4 (3.4)
APOC1 (2.2)	ENSG00000231204 (1	SLC44A2 (1.6)	SNX17 (1.6)	APOE (1.6)
TM6SF2 (5.1)	APOB (4.6)	APOA4 (4.4)	APOC3 (4.4)	ABCG5 (4.1)
SYPL2 (2.7)	C19orf80 (2.7)	ABCA1 (2.7)	HP (2.6)	APOA4 (2.5)
GMIP (3.0)	CLPTM1 (2.5)	TIMD4 (2.5)	HAVCR1 (2.3)	PVRL2 (2.2)
YIPF2 (2.3)	CEP250 (2.0)	LPAR2 (1.9)	CLPTM1 (1.8)	CBLC (1.8)
BCAM (4.1)	PLG (3.8)	APOE (3.8)	HP (3.7)	C19orf80 (3.4)
GSTM4 (2.7)	LPA (2.6)	APOC4 (2.4)	LPAL2 (2.3)	APOA5 (2.3)
MAFB (2.8)	LDLR (2.7)	PCSK9 (2.4)	OBP2B (2.4)	ZHX3 (2.3)
ABCG5 (3.9)	APOC3 (3.9)	LCT (3.6)	APOC1 (3.5)	HNF4A (3.4)
ABCG5 (3.9)	APOC3 (3.9)	LCT (3.6)	APOC1 (3.5)	HNF4A (3.4)
DARS (2.9)	LIPC (2.6)	KPNB1 (2.6)	APOC3 (2.5)	APOA5 (2.5)
ABCA1 (2.4)	MAFB (2.4)	HP (2.2)	APOC3 (2.1)	ENSG00000226806 (2
LIPC (2.5)	ST3GAL4 (2.4)	C19orf80 (2.2)	APOC3 (2.2)	LIPG (1.9)
FER1L4 (2.3)	ENSG00000256731 (2	TOP1 (2.3)	DARS (2.1)	CEP250 (1.9)
LIPC (6.3)	ABCG5 (5.9)	APOC1 (5.1)	HNF4A (4.8)	C19orf80 (4.3)
KANK2 (2.3)	LIPG (2.3)	SLC44A2 (2.3)	GATAD2A (2.1)	MYLIP (1.9)
LIPG (2.4)	PVRL2 (2.3)	GCKR (2.2)	GSTM5 (2.2)	C19orf80 (2.2)
ABCA1 (2.8)	PCSK9 (2.2)	GPAM (2.2)	IGF2R (2.1)	C19orf80 (2.0)
PSRC1 (2.1)	APOA5 (2.0)	IZUMO1 (1.9)	PGS1 (1.8)	SLC22A1 (1.7)
MAFB (2.3)	PLG (1.9)	SLC22A1 (1.8)	ANGPTL3 (1.8)	ENSG00000226806 (1
GCKR (5.4)	ABCG5 (5.3)	APOC4 (5.2)	ANGPTL3 (4.7)	ABCG8 (4.7)
GCKR (3.5)	ABCA1 (3.2)	MAFB (3.1)	SLC22A1 (2.8)	CETP (2.4)
ANGPTL3 (6.0)	PLG (4.3)	APOE (4.2)	APOC4 (4.1)	APOA5 (3.9)
ABCA1 (3.7)	C19orf80 (3.5)	TIMD4 (3.0)	HP (2.8)	SORT1 (2.4)
LIPC (5.9)	ANGPTL3 (5.4)	APOA5 (5.0)	APOC4 (4.1)	HNF4A (4.1)
UBXN4 (1.8)	GATAD2A (1.7)	GRINA (1.7)	AMIGO1 (1.7)	USP24 (1.6)
C19orf80 (5.3)	APOC4 (5.1)	APOA5 (4.7)	APOC3 (4.6)	APOB (4.4)
GCKR (2.5)	ABCA5 (2.5)	LPIN3 (2.4)	FNDC4 (2.4)	LPAL2 (2.2)
APOC4 (2.7)	PCSK9 (2.6)	TRAM2 (2.5)	PLG (2.4)	PVR (2.3)
CARM1 (2.6)	NOP58 (2.6)	SUGP1 (2.5)	NRBP1 (2.5)	UBXN4 (2.4)
GPAM (3.5)	PLG (3.3)	DHODH (3.3)	HMGCR (3.3)	C19orf80 (2.9)

KANK2 (3.2)	RASIP1 (3.2)	GATAD2A (3.0)	DOCK6 (2.9)	NYNRIN (2.8)
PVR (2.7)	PVRL2 (2.6)	BCAM (2.2)	TRAM2 (2.1)	BMPR2 (2.0)
C12orf43 (3.1)	DHODH (2.9)	AMPD2 (2.7)	DHX38 (2.7)	DARS (2.6)
FADS1 (2.8)	HMGCR (2.6)	FADS2 (2.4)	APOA4 (2.2)	LIPG (2.2)
APOA5 (5.2)	APOB (5.0)	APOC4 (4.8)	APOC3 (4.7)	HNF4A (4.6)
ATXN1L (2.6)	USP24 (2.4)	ZNF513 (2.4)	PVRL2 (2.3)	NPEPPS (2.2)
DARS (2.6)	SARS (2.4)	SMARCA4 (2.4)	CLPTM1 (2.3)	AMPD2 (2.2)
FADS2 (2.1)	KANK2 (2.0)	OBP2B (1.8)	GRINA (1.8)	FEN1 (1.7)
MAP3K4 (2.6)	TOP1 (2.5)	PPM1G (2.4)	ZNF821 (2.4)	CARM1 (2.3)
TBKBP1 (2.3)	BCAM (2.1)	C17orf57 (2.1)	ENSG00000236267 (2	KRTCAP3 (2.0)
C11orf9 (2.8)	C17orf57 (2.6)	CBLC (2.5)	NYNRIN (2.2)	PGS1 (2.2)
FADS1 (3.9)	PCSK9 (3.9)	C19orf80 (3.7)	GPAM (3.4)	SLC22A2 (2.6)
DHX38 (2.7)	SUGP1 (2.5)	C19orf80 (2.5)	PLG (2.5)	APOB (2.2)
DARS (3.0)	PPM1G (2.8)	ATP13A1 (2.7)	KPNB1 (2.6)	C12orf43 (2.6)
ABO (1.7)	TRIB1 (1.7)	C19orf52 (1.7)	MYLIP (1.7)	C11orf9 (1.6)
LPIN3 (2.5)	TOP1 (2.4)	KANK2 (2.1)	SMARCA4 (2.1)	BCAM (2.1)
DHODH (3.1)	DARS (2.9)	AMPD2 (2.8)	C12orf43 (2.7)	DHX38 (2.6)
GATAD2A (2.9)	FEN1 (2.9)	USP1 (2.7)	DARS (2.6)	POC5 (2.6)
ANGPTL3 (2.7)	GNAI3 (2.5)	PVR (2.4)	APOC4 (2.3)	MYLIP (2.0)
SARS (2.3)	HNF4A (2.2)	RASIP1 (2.1)	HNF1A (2.0)	GATAD2A (2.0)
GATAD2A (2.8)	IGF2R (2.7)	CYP26A1 (2.5)	DOCK6 (2.5)	C17orf57 (2.3)
ENSG00000254235 (2	APOA5 (2.3)	ENSG00000231204 (2	APOA4 (2.2)	TM6SF2 (2.2)
GSTM5 (3.7)	APOA4 (3.5)	APOC4 (3.4)	PLG (3.3)	APOA5 (3.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
ZHX3 (2.8)	C17orf57 (2.5)	CBLC (2.5)	PGS1 (2.5)	NYNRIN (2.2)
PCSK9 (4.4)	HMGCR (4.0)	C19orf80 (3.9)	LDLR (3.4)	LIPG (2.4)
PCSK9 (4.4)	HMGCR (4.0)	C19orf80 (3.9)	LDLR (3.4)	LIPG (2.4)
APOC1 (2.9)	APOA5 (2.9)	ENSG00000231204 (2	TRIM54 (2.6)	SLC22A1 (2.3)
C19orf80 (3.0)	ABCG5 (2.6)	ABCG8 (2.5)	APOC1 (2.3)	GPAM (2.1)
AMPD2 (3.2)	TOMM40 (3.2)	C12orf43 (2.8)	ATP13A1 (2.6)	ENSG00000236436 (2
TRIB1 (2.7)	PVRL2 (2.3)	CETP (2.0)	TRAM2 (2.0)	KANK2 (1.8)
TRAM2 (2.3)	PVRL2 (2.3)	TRIB1 (2.1)	APOA5 (1.9)	ATXN7L2 (1.9)
HNF4A (1.9)	MCM6 (1.8)	ZNF821 (1.8)	IGF2R (1.7)	ZHX3 (1.6)
PARP10 (2.6)	IGF2R (2.2)	GDF5 (2.1)	MAFB (2.1)	POLK (1.9)
ABO (2.3)	OTX1 (2.2)	HNF1A (2.0)	ATXN1L (2.0)	ZHX3 (2.0)
AMPD2 (3.0)	DHODH (2.9)	DARS (2.8)	DHX38 (2.5)	ATP13A1 (2.5)
SUGP1 (3.1)	PSMA5 (3.1)	DHX38 (3.0)	UBXN4 (3.0)	DHODH (2.5)
PPM1G (2.4)	ABCG5 (2.2)	ENSG00000236267 (2	TM6SF2 (2.1)	CEP250 (2.0)
DHODH (3.2)	AMPD2 (2.9)	DHX38 (2.8)	ATP13A1 (2.6)	SUGP1 (2.5)
PLEC (2.4)	PLG (2.3)	APOC1 (2.3)	CLPTM1 (2.3)	HP (2.3)
KANK2 (2.3)	DOCK6 (2.3)	CILP2 (2.1)	PLEC (2.0)	FUT1 (2.0)
GCKR (3.2)	APOC4 (3.0)	SLC22A2 (3.0)	HNF4A (2.6)	ANGPTL3 (2.5)
APOC4 (3.1)	APOA5 (2.9)	C19orf80 (2.7)	PLG (2.5)	GCKR (2.4)
LPAR2 (2.5)	C11orf9 (2.4)	HNF4A (2.2)	NRBP1 (2.1)	HNF1A (2.1)
TBKBP1 (2.7)	ENSG00000235545 (2	LPAL2 (2.0)	C11orf9 (2.0)	FER1L4 (1.9)
DOCK7 (2.4)	GATAD2A (2.4)	SNX17 (2.2)	ZHX3 (1.9)	NRBP1 (1.9)

PVRL2 (2.3)	LPIN3 (2.3)	RASIP1 (2.2)	ENSG00000244861 (2	LPAR2 (2.1)
KANK2 (2.4)	GDF5 (2.1)	TRIB1 (2.1)	LPL (2.1)	CILP2 (2.0)
ABCG8 (5.1)	APOC3 (5.0)	LCT (4.7)	PLG (4.6)	APOA5 (4.3)
ZHX3 (1.8)	PARP10 (1.7)	USP24 (1.6)	BMPR2 (1.6)	HNF4A (1.6)
CELSR2 (2.4)	SLC22A2 (2.3)	FNDC4 (2.2)	DOCK7 (1.8)	OASL (1.8)
DHODH (3.0)	ABCG8 (2.7)	LIPG (2.3)	HNF4A (2.3)	C19orf80 (2.2)
DHODH (3.0)	ABCG8 (2.7)	LIPG (2.3)	HNF4A (2.3)	C19orf80 (2.2)
NUP93 (2.9)	USP1 (2.7)	BUD13 (2.6)	USP24 (2.6)	MCM6 (2.3)
GMIP (3.4)	PVR (2.1)	PGS1 (2.1)	TRIB1 (2.1)	GRINA (1.9)
GOT2P1 (2.8)	FER1L4 (2.7)	GPAM (2.6)	LPA (2.4)	ENSG00000254235 (2
KPNB1 (2.7)	TOMM40 (2.7)	NUP93 (2.6)	DARS (2.5)	USP24 (2.3)
AMPD2 (3.1)	DHODH (3.1)	UBXN4 (2.9)	TOP1 (2.7)	DARS (2.6)
IGF2R (2.9)	PLCG1 (2.8)	CYP26A1 (2.8)	CETP (2.7)	FUT1 (2.6)
AMPD2 (3.1)	DHODH (2.8)	DARS (2.5)	ATP13A1 (2.5)	DHX38 (2.5)
TOMM40 (3.4)	KPNB1 (3.3)	UBXN4 (3.2)	SARS (2.9)	DHODH (2.5)
HAPLN4 (1.9)	ABCG8 (1.8)	SLC44A2 (1.7)	ENSG00000254235 (1	PVRL2 (1.7)
ABCG5 (2.9)	LPA (2.7)	RP1 (2.7)	GCKR (2.7)	ENSG00000254235 (2
NYNRIN (2.4)	ABCA1 (2.2)	BCAM (2.1)	APOE (2.1)	NFE2L3 (2.0)
ABCG5 (5.4)	GCKR (5.0)	TM6SF2 (4.9)	LPAL2 (4.6)	GSTM4 (3.9)
LPAL2 (2.4)	SORT1 (2.2)	DHODH (2.2)	TM6SF2 (2.1)	ABCG5 (2.0)
CEP250 (2.0)	LPA (2.0)	GSTM5 (1.9)	TOP1 (1.8)	BMPR2 (1.8)
DOCK7 (2.3)	KANK2 (2.3)	PVR (2.1)	ATXN1L (2.0)	LDLR (2.0)
DARS (3.0)	TOP1 (3.0)	DHODH (2.9)	AMPD2 (2.8)	UBXN4 (2.5)
GCKR (2.7)	GMIP (2.4)	LIPC (2.3)	LPA (2.3)	FUT1 (2.2)
DHODH (4.0)	AMPD2 (2.9)	DARS (2.8)	DHX38 (2.4)	ATP13A1 (2.2)
CEP250 (2.1)	ABCA6 (2.1)	LPA (2.1)	APOC4 (2.0)	LPAL2 (1.8)
CEP250 (1.7)	IZUMO1 (1.7)	LPIN3 (1.6)	ENSG00000254235 (1	ABO (1.5)
PGS1 (2.1)	PLEC (2.0)	GMIP (2.0)	MAFB (1.9)	HNF4A (1.9)
GATAD2A (2.6)	DARS (2.3)	AMPD2 (2.3)	KPNB1 (2.1)	TOP1 (2.0)
ANGPTL3 (2.6)	SLC22A2 (2.6)	PLG (2.5)	SLC22A1 (2.2)	RASIP1 (1.8)
TM6SF2 (3.8)	ABCA5 (3.7)	GSTM4 (3.6)	ATP13A1 (2.8)	PARP10 (2.7)
ZNF821 (2.3)	TBKBP1 (2.3)	PBX4 (2.1)	TRIB1 (2.0)	MAFB (2.0)
SLC22A1 (3.0)	GSTM4 (3.0)	FADS1 (2.9)	ENSG00000236267 (2	APOC4 (2.7)
GRINA (2.8)	LPL (2.8)	ENSG00000226806 (2	NFE2L3 (2.2)	PARP10 (2.0)
APOC1 (2.3)	ABCA5 (2.3)	HNF4A (2.2)	ERGIC3 (2.1)	ENSG00000226806 (2
AMPD2 (3.0)	DHODH (2.8)	DARS (2.8)	SUGP1 (2.4)	PPM1G (2.3)
PVR (3.0)	PVRL2 (2.9)	DOCK6 (2.7)	ENSG00000254235 (2	BMPR2 (2.3)
SUGP1 (3.0)	DARS (2.9)	USP24 (2.7)	DHODH (2.6)	DHX38 (2.3)
NUP93 (2.9)	DARS (2.7)	DOCK7 (2.6)	KPNB1 (2.4)	FEN1 (2.4)
HP (3.4)	LPA (3.0)	LPAL2 (2.9)	SORT1 (2.0)	MAFB (2.0)
GSTM4 (2.8)	TM6SF2 (2.7)	TRAM2 (2.4)	APOB (2.4)	ATP13A1 (2.3)
TRAM2 (2.1)	ANGPTL3 (2.0)	CLPTM1 (2.0)	LDLR (2.0)	NYNRIN (2.0)
BMPR2 (1.9)	FUT1 (1.8)	RASIP1 (1.7)	CYP26A1 (1.5)	TRIB1 (1.5)
ABCA1 (3.0)	RELB (2.3)	GMIP (2.3)	OASL (2.2)	PARP10 (2.2)
ZHX3 (2.7)	NYNRIN (2.4)	PGS1 (2.4)	CBLC (2.4)	C17orf57 (2.0)
FER1L4 (2.5)	OBP2B (2.4)	APOE (2.4)	LPIN3 (2.3)	CETP (2.2)
GATAD2A (2.1)	PVRL2 (2.0)	PGS1 (1.9)	HAVCR1 (1.8)	ENSG00000231204 (1
APOA5 (2.6)	ABCG8 (2.5)	ANGPTL3 (2.3)	HP (2.2)	BMPR2 (2.2)
KANK2 (2.7)	PVRL2 (2.3)	DOCK6 (2.3)	CETP (1.9)	NYNRIN (1.8)
FADS2 (2.9)	LDLR (2.7)	ABCA6 (2.6)	HMGCR (2.6)	FADS1 (2.4)

ABCG8 (2.3)	NPEPPS (2.3)	HNF4A (2.3)	MAU2 (2.2)	KANK2 (2.0)
SYPL2 (2.6)	ERGIC3 (2.4)	LPA (2.2)	ENSG00000254235 (2	SORT1 (2.1)
RELB (2.7)	PGS1 (2.6)	POLK (2.4)	COL4A3BP (2.2)	PLCG1 (2.2)
PVR (2.2)	GPR61 (2.1)	DOCK6 (2.1)	POLK (2.0)	GDF5 (2.0)
UBXN4 (2.6)	NFE2L3 (2.4)	NRBP1 (2.1)	DARS (1.8)	GRINA (1.8)
PARP10 (2.5)	NRBP1 (2.3)	PPM1G (2.2)	NUP93 (2.2)	IST1 (2.0)
HNF1A (2.6)	APOA4 (2.6)	C19orf80 (2.5)	ABCA1 (2.5)	ENSG00000231204 (2
LIPG (2.9)	ABCG8 (2.7)	SLC22A3 (2.4)	ABCG5 (2.2)	HMGCR (2.1)
APOB (2.4)	CEP250 (2.3)	PBX4 (2.3)	PLCG1 (2.2)	UBXN4 (2.1)
DHODH (3.1)	AMPD2 (2.6)	ATP13A1 (2.6)	DHX38 (2.5)	SUGP1 (2.3)
C19orf80 (2.6)	FGF21 (2.5)	GPR61 (2.4)	ENSG00000236267 (2	HNF4A (1.9)
GDF5 (2.0)	MYLIP (2.0)	NCAN (1.8)	FGF21 (1.7)	CYP26A1 (1.6)
SLC22A2 (3.2)	TM6SF2 (3.0)	APOC3 (2.8)	APOB (2.7)	ABCG5 (2.6)
ABCG8 (5.5)	TM6SF2 (5.3)	GCKR (5.2)	LPAL2 (4.6)	APOC4 (4.4)
SORT1 (2.5)	SYPL2 (2.4)	ENSG00000182329 (2	ST3GAL4 (2.3)	DHODH (2.3)
MAFB (2.0)	AMIGO1 (1.9)	ENSG00000226806 (1	CARM1 (1.9)	CELSR2 (1.8)
APOB (5.5)	APOC4 (5.4)	APOC3 (5.3)	APOA5 (5.0)	HNF4A (4.2)
ANGPTL3 (4.5)	APOA5 (4.2)	APOC3 (4.0)	APOC4 (3.8)	APOC1 (3.7)
ANGPTL3 (4.5)	APOA5 (4.2)	APOC3 (4.0)	APOC4 (3.8)	APOC1 (3.7)
ENSG00000236267 (2	C17orf57 (2.3)	ERGIC3 (2.3)	TM6SF2 (2.2)	APOC1 (2.2)
RASIP1 (2.8)	FER1L4 (2.4)	LPL (2.3)	BCAM (2.2)	NCAN (2.1)
ERGIC3 (2.7)	NRBP1 (2.6)	UBXN4 (2.4)	ATXN1L (2.3)	ABCG8 (2.2)
CYP26A1 (2.1)	LPL (2.1)	GNAT2 (1.8)	FER1L4 (1.6)	OTX1 (1.5)
TRIB1 (3.0)	MAFB (2.5)	LDLR (2.3)	IGF2R (2.3)	NYNRIN (2.2)
GRINA (2.6)	GATAD2A (2.4)	CLPTM1 (2.3)	ATXN7L2 (2.3)	NYNRIN (2.2)
DARS (2.1)	SLC22A1 (2.1)	GCKR (2.1)	PVR (1.9)	ENSG00000236267 (1
MAFB (3.6)	ABCA1 (3.5)	GCKR (3.0)	CETP (2.3)	HP (2.2)
BCAM (2.5)	TRAM2 (2.3)	KANK2 (2.2)	TOP1 (2.1)	TBKBP1 (2.1)
PVRL2 (2.8)	CBLC (2.4)	ABCA6 (2.1)	FER1L4 (2.1)	TRAM2 (1.9)
MYLIP (2.1)	PSRC1 (2.1)	POLK (1.7)	PLG (1.6)	PGS1 (1.5)
ZNF259 (3.5)	NRBP1 (3.5)	KPNB1 (3.5)	PSMA5 (3.4)	CLPTM1 (3.2)
C19orf80 (2.6)	HP (2.3)	PMFBP1 (2.2)	TOP1 (2.1)	SORT1 (2.1)
USP24 (2.4)	GMIP (2.2)	ENSG00000244861 (2	TIMD4 (2.1)	KRTCAP3 (2.0)
DHODH (3.2)	DARS (3.1)	DHX38 (2.8)	SUGP1 (2.7)	AMPD2 (2.6)
UBXN4 (2.2)	FGF21 (2.0)	IGF2R (1.9)	MAU2 (1.9)	POLK (1.9)
APOE (4.4)	PLG (4.3)	APOA5 (4.1)	APOA4 (4.0)	ANGPTL3 (3.9)
ATXN1L (1.8)	NYNRIN (1.7)	ABO (1.6)	PVRL2 (1.5)	PLG (1.4)
LDLR (3.3)	HMGCR (2.9)	FADS1 (2.8)	AMPD2 (2.0)	ABCG8 (2.0)
GATAD2A (1.9)	PVRL2 (1.7)	NRBP1 (1.7)	GDF5 (1.7)	ZRANB3 (1.6)
PSRC1 (2.3)	NYNRIN (2.3)	USP1 (2.2)	PPM1G (2.2)	PSMA5 (2.2)
SLC22A1 (2.2)	DARS (2.1)	C19orf80 (1.9)	NPEPPS (1.9)	PVR (1.9)
LPAL2 (2.7)	HNF1A (2.7)	FGF21 (2.6)	PCSK9 (2.6)	APOA4 (2.5)
APOA5 (2.6)	BCAM (2.4)	ENSG00000236267 (2	APOC1 (1.9)	SLC22A3 (1.9)
TRIB1 (2.1)	SLC22A2 (1.9)	PLEC (1.8)	OTX1 (1.8)	CELSR2 (1.8)
GCKR (3.6)	APOC4 (3.5)	ABCA6 (3.5)	ANGPTL3 (3.2)	ENSG00000256731 (2
PVR (2.8)	PVRL2 (2.6)	NYNRIN (2.1)	TBKBP1 (2.1)	BCAM (2.1)
IGF2R (2.5)	BCAM (2.2)	PLEC (2.1)	ATXN1L (1.9)	MAP3K4 (1.8)
SMARCA4 (2.0)	GATAD2A (2.0)	MYLIP (1.9)	PSRC1 (1.5)	NYNRIN (1.5)
NFE2L3 (2.5)	PGS1 (2.5)	TRIB1 (2.2)	ST3GAL4 (2.2)	LPAR2 (2.2)
SLC22A2 (2.8)	ABCG8 (2.8)	SLC22A1 (2.6)	ANGPTL3 (2.5)	LPA (2.5)

SLC22A1 (2.2)	DARS (2.1)	ENSG00000236267 (1	C19orf80 (1.9)	LPA (1.9)
APOC1 (2.2)	CLPTM1 (2.1)	BCAM (2.0)	GSTM4 (2.0)	PVRL2 (2.0)
NRBP1 (2.6)	CARM1 (2.5)	PPM1G (2.5)	TOP1 (2.3)	AMPD2 (2.3)
GSTM4 (3.5)	C19orf80 (3.5)	LCT (3.3)	ABCA5 (2.8)	DARS (2.7)
SORT1 (2.7)	TM6SF2 (2.4)	TRAM2 (2.3)	APOA4 (2.1)	LCT (2.1)
IGF2R (2.2)	PCSK9 (2.1)	TRIB1 (2.1)	LPA (2.0)	MYLIP (1.9)
C11orf9 (3.6)	APOB (3.5)	LCT (3.5)	ABCG5 (3.3)	TM6SF2 (3.3)
FER1L4 (2.5)	HP (2.4)	ERGIC3 (2.3)	FUT2 (2.2)	PSMA5 (2.1)
FER1L4 (2.5)	HP (2.4)	ERGIC3 (2.3)	FUT2 (2.2)	PSMA5 (2.1)
ENSG00000226622 (2	BMPR2 (2.0)	TOMM40 (2.0)	CBLC (1.9)	SARS (1.9)
ABO (1.5)	OBP2B (1.5)	PVRL2 (1.5)	YSK4 (1.4)	SNX17 (1.4)
AMIGO1 (2.1)	TRIB1 (2.0)	LIPG (1.9)	ABCA1 (1.8)	RAB3GAP1 (1.8)
ZNF259 (2.8)	TOMM40 (2.6)	TOP1 (2.5)	PPM1G (2.5)	AMPD2 (2.4)
KRTCAP3 (2.4)	PSRC1 (2.4)	LPAR2 (2.4)	MAP3K4 (2.3)	EHBP1 (2.2)
LDLR (3.3)	UBXN4 (2.8)	ERGIC3 (2.2)	DNAH11 (2.0)	TXNL4B (1.9)
BCAM (2.0)	ABCA1 (1.9)	PVR (1.8)	RASIP1 (1.8)	RAB3GAP1 (1.8)
RELB (3.3)	TRIB1 (3.1)	APOE (3.1)	NFE2L3 (2.8)	PMFBP1 (2.5)
CBLC (2.1)	NFE2L3 (2.1)	CILP2 (2.0)	LPL (1.7)	BMPR2 (1.7)
CLPTM1 (2.2)	ATP13A1 (2.2)	MAU2 (2.1)	ZNF513 (2.0)	NRBP1 (2.0)
EHBP1 (2.2)	LPAL2 (2.2)	GPAM (2.1)	PCSK9 (2.1)	HNF1A (2.1)
EHBP1 (2.2)	LPAL2 (2.2)	GPAM (2.1)	PCSK9 (2.1)	HNF1A (2.1)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
GPAM (6.8)	LDLR (6.5)	C19orf80 (4.4)	PCSK9 (4.3)	LIPG (3.1)
ABCA6 (2.4)	TIMD4 (2.1)	GMIP (2.1)	BMPR2 (2.0)	OBP2B (2.0)
PLEC (2.4)	TIMD4 (2.3)	PVRL2 (2.2)	DOCK6 (2.1)	APOE (2.0)
DHODH (3.3)	DARS (2.7)	AMPD2 (2.6)	DHX38 (2.6)	TOP1 (2.5)
TIMD4 (2.8)	SLC22A3 (2.7)	ABCA6 (2.4)	LPA (2.2)	PGS1 (2.0)
ANGPTL3 (1.9)	RASIP1 (1.9)	SLC22A3 (1.8)	C19orf80 (1.7)	ENSG00000226806 (1
PSMA5 (2.5)	TXNL4B (2.3)	GPAM (2.2)	NFE2L3 (2.1)	SLC22A3 (2.1)
ANGPTL3 (5.4)	APOC3 (5.3)	APOC4 (4.9)	APOA5 (4.8)	HNF4A (4.4)
NPEPPS (2.2)	ABCA6 (2.0)	NFE2L3 (2.0)	ERGIC3 (1.7)	IFT172 (1.6)
GDF5 (2.4)	ABCA6 (2.4)	PVR (2.3)	RASIP1 (2.3)	ENSG00000235545 (1
CYP26A1 (2.7)	ATXN1L (2.2)	ATXN7L2 (2.1)	OBP2B (2.0)	PVRL2 (1.9)
SLC22A3 (1.9)	ANGPTL3 (1.9)	C11orf9 (1.8)	RASIP1 (1.7)	GNAI3 (1.7)
ANGPTL3 (1.9)	SLC22A3 (1.8)	RASIP1 (1.8)	ENSG00000226806 (1	C11orf9 (1.7)
ENSG00000236267 (3	LPA (2.9)	C19orf80 (2.9)	GCKR (2.8)	FADS1 (2.8)
DOCK6 (2.5)	SLC44A2 (2.1)	TBKBP1 (1.8)	TRIB1 (1.8)	KANK2 (1.8)
NPEPPS (2.9)	PSMA5 (2.4)	ABCG8 (2.3)	SNX17 (2.2)	AMPD2 (2.2)
APOC1 (3.4)	HP (3.3)	ANGPTL3 (3.2)	APOA5 (3.0)	PLG (3.0)
ANGPTL3 (3.3)	PLG (3.2)	APOA5 (2.8)	APOC1 (2.8)	APOC4 (2.7)
CELSR2 (2.6)	C19orf80 (2.4)	OBP2B (2.1)	TRIB1 (2.0)	BCAM (1.9)
TIMD4 (3.1)	CETP (3.0)	NFE2L3 (2.3)	HP (1.9)	TRIB1 (1.7)
APOC3 (5.4)	APOA5 (5.4)	ANGPTL3 (5.3)	APOC4 (5.3)	HNF4A (4.1)
GDF5 (2.5)	MAU2 (2.4)	DHX38 (2.3)	AMPD2 (2.3)	POLK (2.1)
PLG (3.4)	APOC4 (2.8)	HP (2.7)	SLC22A1 (2.5)	HNF4A (2.4)
ABCA6 (2.3)	SLC44A2 (2.2)	GDF5 (2.2)	KANK2 (2.1)	CYP26A1 (2.1)
ENSG00000182329 (2	LIPC (2.0)	MAP3K4 (2.0)	CLPTM1 (1.8)	ENSG00000235545 (1
PVR (2.3)	PVRL2 (2.3)	EHBP1 (2.3)	RASIP1 (2.1)	MYLIP (2.1)

TOP1 (2.7)	KPNB1 (2.7)	GATAD2A (2.7)	CARM1 (2.6)	PPM1G (2.5)
LIPC (2.6)	APOC3 (2.6)	KANK2 (2.5)	HP (2.4)	ENSG00000256731 (2
SLC22A2 (3.0)	APOC3 (2.7)	TM6SF2 (2.6)	APOB (2.6)	ABCG5 (2.3)
SMARCA4 (2.3)	KPNB1 (2.2)	SARS (2.1)	CEP250 (2.1)	TOMM40 (2.1)
CETP (2.7)	GMIP (2.7)	BMPR2 (2.5)	TIMD4 (2.0)	ABCA5 (2.0)
ABO (3.0)	LIPG (2.8)	BCAM (2.4)	LPAR2 (2.4)	KANK2 (2.1)
PMFBP1 (2.6)	ENSG00000228044 (2	GSTM4 (2.3)	ENSG00000235545 (2	FER1L4 (1.9)
ABCG8 (5.2)	APOC4 (5.1)	GSTM4 (4.7)	TM6SF2 (4.7)	GCKR (4.7)
FADS2 (3.3)	PVR (3.2)	OASL (2.9)	ABCA5 (2.6)	SLC22A1 (2.6)
GNAI3 (2.1)	ABO (2.0)	GDF5 (2.0)	PVRL2 (2.0)	PLEC (1.9)
SLC22A2 (3.0)	APOC3 (2.9)	TM6SF2 (2.8)	APOB (2.6)	GPR61 (2.3)
APOB (2.0)	LDLR (1.9)	APOE (1.9)	LIPG (1.8)	DOCK6 (1.8)
CYP26A1 (2.8)	ABCG5 (2.7)	LPA (2.6)	ABCG8 (2.5)	ST3GAL4 (2.3)
RELB (1.9)	ENSG00000226645 (1	SYPL2 (1.7)	TIMD4 (1.5)	MAMSTR (1.5)
TRAM2 (2.6)	EHBP1 (2.5)	PVRL2 (2.5)	CYP26A1 (2.4)	RASIP1 (2.3)
GRINA (2.7)	MAFB (2.0)	SLC44A2 (1.9)	TOP1 (1.9)	CETP (1.8)
FGF21 (2.5)	LPL (2.3)	C19orf80 (2.2)	AMIGO1 (2.1)	FADS1 (1.9)
PSRC1 (2.9)	KPNB1 (2.5)	NUP93 (2.5)	NOP58 (2.1)	MAP3K4 (2.1)
DOCK6 (2.1)	KANK2 (2.0)	TOMM40 (1.9)	IST1 (1.9)	PPM1G (1.8)
FGF21 (2.4)	TRAM2 (2.3)	IGF2R (2.2)	PLG (2.1)	APOC4 (2.0)
CETP (2.2)	TIMD4 (2.0)	HNF4A (1.9)	LPIN3 (1.9)	LPL (1.9)
MAFB (3.5)	PVR (3.2)	GCKR (2.7)	GMIP (2.5)	FNDC4 (2.3)
AMPD2 (3.3)	PPM1G (3.1)	DHODH (3.0)	DHX38 (2.7)	DARS (2.7)
CETP (1.8)	PGS1 (1.6)	USP24 (1.6)	HNF4A (1.6)	PCSK9 (1.5)
CYP26A1 (2.9)	IGF2R (2.6)	OTX1 (2.3)	NFE2L3 (2.2)	PLCG1 (1.9)
DARS (2.4)	DHX38 (2.4)	SUGP1 (2.4)	ZNF259 (2.3)	CEP250 (2.2)
ABCA1 (2.2)	NFE2L3 (2.0)	LCT (1.9)	TRIB1 (1.9)	TSSK6 (1.8)
AMIGO1 (2.3)	LPA (2.3)	ENSG00000182329 (2	SYPL2 (2.0)	TRAM2 (1.9)
ABCG8 (2.6)	TM6SF2 (2.5)	GPAM (2.5)	LPL (2.4)	LPA (2.3)
CEP250 (2.3)	ENSG00000226648 (2	ENSG00000235545 (2	FADS2 (1.9)	DARS (1.9)
ABCG5 (5.2)	TM6SF2 (4.7)	APOC3 (3.9)	APOB (3.8)	FGF21 (3.6)
PARP10 (3.0)	GMIP (2.9)	NFE2L3 (2.5)	TRIB1 (2.2)	MYLIP (2.2)
GSTM4 (2.7)	ENSG00000254235 (2	GOT2P1 (2.4)	SORT1 (2.3)	ERGIC3 (2.3)
ABO (2.1)	IZUMO1 (2.0)	SORT1 (1.9)	CBLC (1.9)	TRIB1 (1.7)
LDLR (2.6)	FUT1 (2.2)	SLC44A2 (2.2)	LIPC (2.1)	BCAM (2.0)
PCSK9 (4.4)	HMGCR (4.2)	C19orf80 (3.9)	LDLR (3.7)	LIPG (2.6)
TXNL4B (2.2)	HP (1.9)	GPAM (1.9)	USP24 (1.7)	ENSG00000226648 (1
MAU2 (2.4)	DOCK6 (2.3)	NPEPPS (2.3)	ABCA6 (2.3)	FGF21 (2.0)
DOCK6 (2.7)	IGF2R (2.5)	PLEC (2.5)	PVRL2 (2.3)	ST3GAL4 (2.1)
DOCK7 (2.9)	ST3GAL4 (2.6)	OTX1 (2.5)	CYP26A1 (2.3)	PMFBP1 (2.3)
FADS2 (3.3)	FADS1 (3.2)	GPAM (3.2)	ANGPTL3 (2.8)	HNF4A (2.7)
ENSG00000231204 (1	GRINA (1.8)	SYPL2 (1.7)	GCKR (1.7)	FADS2 (1.7)
TOMM40 (3.5)	AMPD2 (3.3)	DARS (2.9)	DHX38 (2.3)	PPM1G (2.2)
TRAM2 (2.2)	LIPG (2.0)	BMPR2 (1.9)	SYPL2 (1.7)	NFE2L3 (1.7)
RP1 (2.6)	ABCG5 (2.5)	TM6SF2 (2.4)	GNAT2 (2.4)	ST3GAL4 (2.4)
SLC44A2 (2.3)	USP24 (2.3)	LPL (2.2)	IGF2R (2.2)	COL4A3BP (2.1)
HNF4A (2.5)	IGF2R (2.2)	KANK2 (2.1)	BCAM (2.1)	TRIB1 (2.1)
CBLC (3.3)	CELSR2 (2.8)	KANK2 (2.5)	MAP3K4 (2.1)	LPIN3 (2.1)
SLC22A2 (2.4)	POC5 (2.3)	ENSG00000182329 (2	SORT1 (2.1)	TM6SF2 (2.1)
PCSK9 (3.0)	GCKR (2.9)	FADS1 (2.9)	APOC4 (2.8)	TM6SF2 (2.8)

PCSK9 (3.0)	GCKR (2.9)	FADS1 (2.9)	APOC4 (2.8)	TM6SF2 (2.8)
TOMM40 (2.8)	DARS (2.8)	NUP93 (2.6)	NOP58 (2.6)	DHX38 (2.4)
LIPC (4.4)	APOC1 (4.0)	PLG (4.0)	APOA5 (3.8)	ABCG5 (3.7)
ATXN1L (2.7)	PVRL2 (2.3)	ENSG00000235545 (2	BMPR2 (2.3)	KANK2 (2.2)
IGF2R (2.2)	C17orf57 (2.1)	ENSG00000254235 (2	FUT2 (2.0)	DOCK7 (2.0)
PARP10 (2.8)	MAFB (2.1)	ZNF513 (2.1)	TRIB1 (2.1)	ENSG00000226806 (2
AMPD2 (3.4)	DHODH (3.1)	DARS (3.0)	DHX38 (2.2)	ATP13A1 (2.1)
C11orf9 (2.4)	APOC3 (2.4)	NRBP1 (2.2)	HNF4A (2.1)	NCAN (1.8)
DARS (3.3)	DHODH (2.8)	AMPD2 (2.6)	PPM1G (2.6)	DHX38 (2.6)
NCAN (2.6)	FNDC4 (2.0)	MAMSTR (1.9)	FADS2 (1.8)	AMIGO1 (1.8)
PBX4 (1.8)	ST3GAL4 (1.7)	OBP2B (1.7)	ATXN1L (1.6)	C17orf57 (1.6)
RP1 (2.1)	CLPTM1 (2.1)	C17orf57 (2.0)	OBP2B (1.9)	ABO (1.6)
ANGPTL3 (2.9)	HP (2.7)	PLG (2.6)	GCKR (2.4)	APOC3 (2.4)
TRAM2 (2.4)	NPEPPS (2.3)	DARS (2.1)	ENSG00000236267 (2	MYLIP (2.0)
LCT (4.0)	ABCG5 (3.1)	APOC3 (3.1)	GRINA (2.4)	APOB (2.4)
TRIM54 (2.6)	CARM1 (2.5)	CEP250 (2.4)	BCAM (2.4)	CYP26A1 (2.2)
GRINA (2.8)	CETP (2.6)	BMPR2 (2.6)	MAMSTR (2.3)	MAFB (2.3)
ABCA1 (2.9)	PVR (2.7)	BCAM (2.5)	LPAL2 (2.3)	FUT2 (2.0)
LIPC (4.8)	APOC1 (4.6)	PLG (4.0)	ABCG5 (3.7)	APOA5 (3.6)
LIPG (2.6)	SLC22A2 (2.5)	HAVCR1 (2.4)	CBLC (2.4)	ENSG00000244861 (2
IGF2R (2.4)	GDF5 (2.3)	GRINA (2.1)	CEP250 (2.0)	LCT (2.0)
DARS (3.2)	AMPD2 (3.1)	DHODH (2.9)	PPM1G (2.7)	C12orf43 (2.6)
GPR61 (2.4)	ABCA1 (2.3)	TIMD4 (2.2)	CETP (2.2)	KRTCAP3 (2.1)
DHX38 (3.1)	DARS (2.8)	ATP13A1 (2.5)	AMPD2 (2.4)	DHODH (2.4)
NRBP1 (2.6)	TOMM40 (2.2)	PSMA5 (2.2)	RAB3GAP1 (2.1)	NUP93 (2.1)
ABCA1 (2.5)	COL4A3BP (2.5)	GPAM (2.5)	LCT (2.3)	ABCG8 (2.2)
COL4A3BP (2.8)	GRINA (2.8)	SORT1 (2.6)	ATP13A1 (2.4)	ABCA1 (2.4)
COL4A3BP (2.8)	GRINA (2.8)	SORT1 (2.6)	ATP13A1 (2.4)	ABCA1 (2.4)
NRBP1 (2.9)	KPNB1 (2.7)	SMARCA4 (2.6)	SARS (2.6)	NUP93 (2.5)
USP24 (2.7)	RASIP1 (2.5)	HMGCR (2.4)	ATXN1L (2.3)	TRIM54 (2.3)
C19orf80 (2.3)	FADS2 (1.9)	RAB3GAP1 (1.9)	NFE2L3 (1.9)	FUT1 (1.8)
UBXN4 (3.0)	USP24 (2.8)	IFT172 (2.5)	TOP1 (2.4)	DARS (2.3)
IST1 (2.8)	DARS (2.8)	PSMA5 (2.7)	C19orf80 (2.2)	NUP93 (2.2)
DHX38 (3.0)	DHODH (2.8)	DARS (2.8)	AMPD2 (2.7)	PPM1G (2.4)
LDLR (8.3)	GPAM (5.8)	PCSK9 (5.7)	C19orf80 (4.2)	LIPG (3.2)
MCM6 (2.1)	CEP250 (2.1)	PARP10 (2.1)	ATP13A1 (2.0)	FADS2 (1.9)
TOMM40 (3.0)	DARS (2.9)	DHODH (2.7)	DHX38 (2.3)	ATP13A1 (2.3)
APOC4 (4.3)	GCKR (4.2)	PLG (4.1)	GSTM4 (4.0)	ABCG5 (3.6)
TIMD4 (3.3)	GMIP (2.6)	SLC22A3 (2.4)	ENSG00000226806 (2	GRINA (2.0)
ABCA1 (3.1)	APOC1 (2.8)	GSTM5 (2.5)	FER1L4 (2.4)	CETP (2.4)
SLC22A3 (2.0)	ENSG00000256731 (1	ENSG00000235545 (1	MAMSTR (1.7)	ST3GAL4 (1.6)
PCSK9 (2.8)	ENSG00000256731 (2	PVR (2.6)	TRAM2 (2.5)	APOC4 (2.5)
MYLIP (2.3)	MAP3K4 (2.1)	PARP10 (2.1)	ZNF513 (2.0)	LDLR (2.0)
LDLR (2.9)	HMGCR (2.5)	PCSK9 (2.4)	TSSK6 (2.3)	C19orf52 (2.2)
PARP10 (2.5)	GSTM5 (2.4)	GDF5 (2.2)	MAFB (2.2)	SMARCA4 (2.1)
SMARCA4 (2.4)	FADS1 (2.2)	NOP58 (2.1)	NUP93 (2.0)	LDLR (1.9)
HAPLN4 (2.2)	HP (2.1)	BCAM (2.0)	ERGIC3 (2.0)	LIPC (1.9)
DHODH (3.2)	C12orf43 (2.4)	DHX38 (2.3)	KPNB1 (2.3)	TOP1 (2.2)
LCT (3.4)	ANGPTL3 (3.2)	PLG (3.0)	APOB (2.7)	ABCG5 (2.7)
AMIGO1 (2.7)	RASIP1 (2.7)	HNF4A (2.4)	BCAM (2.4)	C17orf57 (2.2)

ATXN1L (2.1)	HNF4A (2.0)	ENSG00000236267 (1	PVRL2 (1.7)	OTX1 (1.7)
GRINA (2.4)	BUD13 (2.4)	NYNRIN (2.2)	OASL (2.1)	LDLR (2.0)
TOMM40 (2.7)	DHX38 (2.5)	DHODH (2.5)	C12orf43 (2.5)	SUGP1 (2.1)
LIPC (4.3)	APOC1 (4.1)	PLG (3.8)	ABCG5 (3.6)	APOA5 (3.6)
FADS1 (2.2)	CYB561D1 (2.1)	FADS2 (1.8)	ENSG00000236267 (1	NYNRIN (1.8)
GSTM5 (1.9)	USP24 (1.9)	FUT2 (1.8)	ENSG00000236436 (1	C17orf57 (1.6)
MAFB (3.2)	SLC22A1 (2.9)	ABCA1 (2.1)	APOC1 (2.0)	APOC4 (1.8)
PVRL2 (2.6)	TRAM2 (2.6)	MAFB (2.3)	BMPR2 (2.0)	CETP (1.9)
CILP2 (2.9)	BMPR2 (2.4)	DHX38 (2.2)	CBLC (1.8)	FUT1 (1.8)
TIMD4 (2.8)	GMIP (2.4)	MAFB (2.4)	APOC1 (2.2)	SLC44A2 (2.2)
ENSG00000226806 (3	ERGIC3 (3.1)	TRAM2 (3.1)	ATP13A1 (2.9)	SLC22A2 (2.5)
ENSG00000226806 (2	LDLR (2.2)	GSTM5 (1.9)	LCT (1.9)	TRAM2 (1.7)
RELB (2.6)	PVR (2.4)	TRIB1 (2.4)	USP24 (2.3)	TRAM2 (2.3)
DARS (3.1)	DHODH (2.9)	AMPD2 (2.8)	ATP13A1 (2.2)	NUP93 (2.1)
TRAM2 (3.3)	RASIP1 (3.0)	SLC22A3 (2.2)	ENSG00000226622 (2	CETP (2.0)
CARM1 (2.2)	GRINA (2.2)	MAFB (2.1)	PBX4 (2.1)	PGS1 (2.1)
APOC3 (4.4)	PLG (4.3)	ANGPTL3 (4.2)	APOA5 (3.3)	APOC1 (3.3)
ERGIC3 (3.2)	ENSG00000226806 (3	ATP13A1 (2.8)	TRAM2 (2.8)	SLC22A2 (2.5)
CARM1 (2.4)	DOCK7 (2.4)	PVRL2 (2.3)	TRIB1 (2.3)	ZNF513 (2.1)
GPAM (2.5)	HMGCR (2.5)	PLG (2.5)	ENSG00000254235 (2	ENSG00000236267 (2
SMARCA4 (1.8)	CLPTM1 (1.8)	C19orf52 (1.7)	SARS (1.6)	GNAI3 (1.6)
FNDC4 (2.7)	C11orf9 (2.5)	GDF5 (2.5)	PBX4 (2.5)	CILP2 (2.1)
APOA5 (3.8)	LPA (3.7)	LPAL2 (3.3)	PLG (3.2)	ANGPTL3 (3.2)
PVR (2.6)	FGF21 (2.6)	ENSG00000226648 (2	FNDC4 (2.6)	C17orf57 (2.5)
SPATC1 (1.8)	YSK4 (1.8)	LPIN3 (1.8)	TSSK6 (1.8)	CETP (1.7)
C12orf43 (3.0)	PLCG1 (2.7)	DHX38 (2.6)	NRBP1 (2.5)	TOP1 (2.3)
DHODH (3.4)	AMPD2 (3.0)	DARS (2.8)	C12orf43 (2.5)	SUGP1 (2.4)
ENSG00000228044 (2	GMIP (1.9)	C19orf80 (1.7)	APOC1 (1.6)	MAFB (1.5)
ABCA1 (3.4)	MAFB (3.0)	PGS1 (2.9)	CETP (2.5)	TRIB1 (2.4)
DARS (3.0)	TOMM40 (2.8)	SARS (2.7)	PPM1G (2.5)	DHX38 (2.3)
IGF2R (1.9)	AMIGO1 (1.7)	UBXN4 (1.6)	POLK (1.6)	MAU2 (1.5)
ERGIC3 (2.9)	TM6SF2 (2.6)	ABCA6 (2.3)	IGF2R (2.3)	ABCG5 (2.3)
NUP93 (2.5)	DOCK7 (2.5)	MCM6 (2.4)	IST1 (2.3)	RELB (2.2)
ZHX3 (2.6)	CBLC (2.6)	C17orf57 (2.3)	PGS1 (2.3)	NCAN (2.3)
C11orf9 (2.5)	PGS1 (2.4)	ZHX3 (2.3)	LIPC (2.2)	GSTM5 (2.1)
LIPG (1.9)	DNAH11 (1.5)	ABCA6 (1.5)	C17orf57 (1.5)	ENSG00000231204 (1
DHODH (3.2)	TOP1 (3.0)	DARS (2.8)	SUGP1 (2.7)	PPM1G (2.7)
KRTCAP3 (2.5)	MAFB (2.4)	LIPG (2.4)	CETP (1.8)	BMPR2 (1.8)
SORT1 (3.5)	MAMSTR (2.8)	TRIM54 (2.4)	AMIGO1 (2.4)	C19orf80 (2.2)
IGF2R (2.6)	PMFBP1 (2.2)	CBLC (2.1)	TM6SF2 (1.8)	TBKBP1 (1.7)
MAFB (2.5)	ABCA1 (2.3)	ERGIC3 (2.0)	ENSG00000254235 (2	USP24 (2.0)
ABCG5 (2.5)	SLC22A1 (2.5)	GCKR (2.2)	APOC4 (2.1)	APOA5 (2.1)
DHODH (3.1)	AMPD2 (3.1)	DHX38 (3.1)	ATP13A1 (2.8)	DARS (2.6)
AMPD2 (3.2)	DHODH (3.1)	SARS (2.6)	DARS (2.5)	SUGP1 (2.4)
KANK2 (3.3)	CLPTM1 (2.7)	COL4A3BP (2.6)	IZUMO1 (2.2)	GRINA (2.1)
GMIP (2.6)	APOE (2.0)	TRIB1 (1.8)	IGF2R (1.7)	ENSG00000231204 (1
GOT2P1 (2.5)	SPATC1 (2.3)	APOA4 (2.1)	AMPD2 (2.1)	PCSK9 (2.0)
MAP3K4 (2.4)	IFT172 (2.3)	GPAM (2.3)	BMPR2 (2.3)	LPIN3 (2.0)
POLK (2.1)	TIMD4 (2.1)	RELB (2.1)	GMIP (2.0)	CYB561D1 (1.8)
SLC22A1 (2.6)	RELB (2.5)	OASL (2.5)	LPA (2.4)	TRIB1 (2.3)

TRAM2 (2.8)	PVRL2 (2.6)	KANK2 (2.6)	CILP2 (2.3)	ENSG00000254235 (2
DHX38 (3.1)	ENSG00000226645 (2	TOMM40 (2.8)	DHODH (2.7)	AMPD2 (2.3)
HP (2.6)	MAFB (2.6)	GRINA (2.5)	PVR (2.4)	SYPL2 (2.1)
MAFB (2.5)	TRIB1 (2.4)	CLPTM1 (1.8)	BMPR2 (1.8)	CETP (1.7)
ENSG00000256731 (2	ABCA6 (2.6)	RELB (2.6)	PGS1 (2.2)	ABCA1 (2.2)
MAFB (2.4)	KRTCAP3 (2.3)	LIPG (2.2)	APOE (1.9)	ENSG00000228044 (1
PCSK9 (4.2)	HMGCR (4.0)	C19orf80 (3.7)	LDLR (3.1)	LIPG (2.5)
PCSK9 (3.9)	HMGCR (3.0)	ST3GAL4 (2.9)	LCT (2.9)	GCKR (2.4)
ABCG8 (2.4)	SLC22A3 (1.9)	IZUMO1 (1.8)	ENSG00000231204 (1	ZNF821 (1.5)
DHODH (3.1)	DARS (2.6)	DHX38 (2.6)	C12orf43 (2.5)	AMPD2 (2.5)
DHODH (3.1)	DARS (2.6)	DHX38 (2.6)	C12orf43 (2.5)	AMPD2 (2.5)
PLG (3.8)	ANGPTL3 (3.5)	SLC22A1 (3.4)	HP (3.4)	ABCG5 (3.4)
HP (4.2)	PLG (4.0)	APOA4 (3.6)	APOC4 (3.5)	APOC3 (3.4)
YIPF2 (3.2)	CYB561D1 (3.0)	TRAM2 (2.5)	HMGCR (2.4)	GRINA (2.4)
TIMD4 (2.4)	SORT1 (2.4)	ABCG8 (2.1)	HP (2.0)	FGF21 (2.0)
ABCG8 (2.4)	AMIGO1 (2.3)	LPA (2.3)	SLC22A1 (2.1)	SLC22A2 (2.1)
PLEC (2.4)	GMIP (2.2)	DOCK6 (2.2)	PLCG1 (2.1)	GATAD2A (2.0)
C11orf9 (3.3)	NYNRIN (2.8)	PVRL2 (2.7)	KANK2 (2.6)	DOCK6 (2.5)
DHODH (3.2)	C12orf43 (2.6)	AMPD2 (2.5)	DHX38 (2.5)	DARS (2.4)
ZNF259 (1.7)	BUD13 (1.7)	HNF1A (1.6)	CBLC (1.6)	GPAM (1.6)
MAP3K4 (2.4)	MAFB (2.3)	TRIM54 (2.2)	IGF2R (2.1)	ABCA1 (2.1)
ENSG00000182329 (2	SUMO1 (2.0)	FGF21 (1.9)	HNF1A (1.8)	BUD13 (1.8)
ENSG00000182329 (2	GSTM5 (2.0)	CILP2 (1.9)	MYLIP (1.9)	TBKBP1 (1.9)
LIPC (3.0)	APOA5 (2.9)	GCKR (2.7)	LIPG (2.7)	FADS1 (2.5)
TOMM40 (3.3)	AMPD2 (2.7)	DHODH (2.6)	C12orf43 (2.4)	DHX38 (2.3)
CETP (2.7)	TIMD4 (2.1)	ST3GAL4 (2.0)	MAFB (2.0)	IGF2R (1.9)
TIMD4 (2.6)	TM6SF2 (2.5)	APOA4 (2.3)	FUT1 (2.2)	GCKR (2.0)
PVR (2.3)	RP1 (2.2)	SLC44A2 (2.1)	CYP26A1 (2.1)	IFT172 (2.0)
GMIP (3.0)	MAFB (3.0)	ABCA1 (2.7)	PLCG1 (2.0)	LPIN3 (1.9)
MYLIP (3.0)	APOC1 (2.6)	COL4A3BP (2.4)	YSK4 (2.4)	LIPC (2.3)
AMPD2 (3.2)	DHODH (3.0)	DARS (2.8)	DHX38 (2.6)	ATP13A1 (2.2)
GSTM5 (2.4)	OBP2B (2.4)	EHBP1 (2.3)	LPAL2 (2.2)	USP24 (2.1)
AMPD2 (3.3)	DARS (3.1)	C12orf43 (3.0)	DHODH (2.9)	NUP93 (2.5)
ABCG5 (2.4)	LPA (2.3)	FNDC4 (2.1)	SLC22A1 (2.1)	CYB561D1 (2.1)
SLC22A1 (2.1)	BCAM (2.0)	RAB3GAP1 (1.9)	TRAM2 (1.7)	GDF5 (1.6)
APOE (3.2)	PLG (3.1)	ANGPTL3 (3.0)	SLC22A1 (3.0)	APOC4 (2.6)
SORT1 (2.3)	GPAM (2.3)	ST3GAL4 (2.2)	LPA (2.0)	ZHX3 (1.9)
FADS2 (11.9)	PCSK9 (8.7)	LIPG (5.0)	LCT (2.7)	GPAM (2.2)
LIPC (2.5)	CBLC (2.4)	OBP2B (2.3)	GMIP (2.2)	IGF2R (2.2)
GATAD2A (2.3)	SUMO1 (1.8)	LPAR2 (1.8)	CLPTM1 (1.8)	C12orf43 (1.8)
ENSG00000226648 (2	ABCA6 (1.9)	LPIN3 (1.8)	CARM1 (1.7)	PLCG1 (1.7)
FADS1 (2.6)	HAPLN4 (2.5)	COL4A3BP (2.5)	FADS2 (2.3)	SYPL2 (2.1)
AMPD2 (3.0)	DARS (2.8)	DHODH (2.7)	TOP1 (2.1)	PPM1G (2.0)
APOC4 (3.2)	LPA (3.1)	APOA5 (3.0)	LPAL2 (2.9)	HNF4A (2.8)
HMGCR (2.9)	C19orf80 (2.6)	PCSK9 (2.3)	LIPG (2.2)	LDLR (2.1)
APOB (2.8)	ANGPTL3 (2.7)	PLG (2.6)	CETP (2.6)	SLC44A2 (2.4)
TM6SF2 (1.9)	LCT (1.9)	YSK4 (1.8)	USP24 (1.8)	ENSG00000226648 (1
PVRL2 (2.5)	KRTCAP3 (2.5)	MAFB (2.3)	CETP (1.8)	APOE (1.7)
GCKR (4.2)	APOC4 (4.2)	LPAL2 (3.9)	CETP (3.4)	ANGPTL3 (3.3)
FADS2 (2.3)	BCAM (2.1)	HMGCR (2.1)	ZHX3 (2.0)	LDLR (2.0)

HNF4A (2.8)	ANGPTL3 (2.6)	SORT1 (2.5)	ATP13A1 (2.4)	CLPTM1 (2.1)
LPA (2.6)	IGF2R (2.3)	LIPC (2.1)	APOA5 (1.7)	MAFB (1.7)
TOP1 (2.4)	FGF21 (2.4)	SMARCA4 (2.4)	FADS2 (2.1)	GATAD2A (1.9)
SLC44A2 (2.4)	ZHX3 (2.4)	NCAN (2.2)	ENSG00000226648 (2	TBKBP1 (2.0)
EHBP1 (1.9)	ERGIC3 (1.8)	DOCK7 (1.8)	CETP (1.8)	CEP250 (1.7)
OASL (2.5)	ABCA1 (2.4)	GMIP (2.1)	ABCA6 (1.8)	TRIB1 (1.5)
FUT2 (3.1)	CETP (3.1)	HNF1A (3.0)	HP (2.7)	APOE (2.2)
LDLR (3.4)	HMGCR (3.1)	FADS1 (2.9)	ABCG8 (2.3)	AMPD2 (2.1)
ATXN7L2 (2.2)	SLC22A2 (2.0)	KANK2 (1.9)	ABCA5 (1.8)	AMPD2 (1.7)
DARS (2.8)	DHODH (2.7)	AMPD2 (2.5)	SUGP1 (2.3)	ATP13A1 (2.3)
LIPG (3.0)	TBKBP1 (2.7)	C17orf57 (2.3)	PVRL2 (2.1)	TRAM2 (2.0)
PMFBP1 (2.4)	ABCA1 (2.2)	FUT2 (2.2)	ATXN7L2 (1.8)	DOCK7 (1.7)
DOCK6 (2.5)	ZNF513 (2.4)	ATXN1L (2.3)	SPATC1 (2.2)	DOCK7 (2.1)
LIPC (4.3)	APOC1 (4.1)	PLG (3.8)	APOA5 (3.6)	ABCG5 (3.6)
SLC22A1 (2.5)	ABCG5 (2.3)	GCKR (2.1)	APOC4 (2.0)	ENSG00000236267 (1
GSTM4 (3.6)	PCSK9 (3.4)	PLG (3.0)	LDLR (3.0)	LIPG (2.8)
SLC22A3 (2.1)	ENSG00000228044 (1	AMIGO1 (1.9)	GPAM (1.8)	ENSG00000236267 (1
ENSG00000256731 (2	CETP (2.3)	ABCA6 (2.2)	GMIP (2.2)	TRIB1 (2.1)
DHX38 (3.0)	ENSG00000236436 (2	DHODH (2.6)	PPM1G (2.4)	C12orf43 (2.3)
DHODH (3.3)	AMPD2 (3.2)	DHX38 (3.0)	ATP13A1 (2.7)	C12orf43 (2.7)
FER1L4 (2.7)	ATP13A1 (2.6)	TOMM40 (2.6)	DARS (2.5)	SARS (2.4)
OTX1 (2.7)	SYPL2 (2.5)	BMPR2 (2.3)	CARM1 (2.1)	IFT172 (1.9)
HNF4A (4.6)	PLG (4.6)	SLC22A2 (4.4)	HP (4.2)	APOA5 (3.7)
APOE (2.9)	LPAR2 (2.6)	CBLC (2.5)	ENSG00000226645 (2	KANK2 (2.3)
USP24 (2.7)	MAP3K4 (2.7)	KPNB1 (2.6)	NUP93 (2.5)	MCM6 (2.0)
TIMD4 (1.8)	MAFB (1.7)	TRIB1 (1.6)	GPAM (1.6)	KANK2 (1.4)
TIMD4 (2.9)	APOA4 (2.2)	NFE2L3 (2.2)	RASIP1 (2.1)	GRINA (2.0)
OTX1 (2.8)	MYLIP (2.6)	ABCA1 (2.6)	FER1L4 (2.4)	CYP26A1 (2.1)
APOC1 (4.5)	LIPC (4.5)	PLG (4.0)	ABCG5 (3.9)	APOA5 (3.7)
PGS1 (2.7)	CETP (2.4)	ZNF513 (2.2)	GMIP (2.1)	ATP13A1 (2.0)
MYLIP (2.0)	NYNRIN (2.0)	ENSG00000254235 (1	KANK2 (1.8)	HNF1A (1.7)
ENSG00000226622 (2	LDLR (1.9)	ABCG8 (1.9)	LIPG (1.9)	ENSG00000236267 (1
GSTM4 (5.3)	ABCG8 (5.2)	APOC4 (5.0)	TM6SF2 (4.7)	GCKR (4.5)
SYPL2 (3.2)	ABCG5 (3.2)	LPIN3 (3.0)	TM6SF2 (2.8)	TRIM54 (2.5)
CETP (2.6)	UBXN4 (2.4)	FUT2 (2.3)	TIMD4 (1.9)	YIPF2 (1.8)
MAU2 (2.3)	TOP1 (2.0)	NFE2L3 (2.0)	IGF2R (2.0)	BUD13 (1.8)
PGS1 (2.2)	CELSR2 (1.8)	IGF2R (1.8)	BMPR2 (1.7)	HAPLN4 (1.7)
GDF5 (2.3)	PLCG1 (2.3)	KANK2 (2.2)	CILP2 (2.0)	IGF2R (1.8)
PVRL2 (2.1)	TRAM2 (2.1)	PLEC (2.1)	DOCK7 (2.1)	TRIB1 (2.0)
AMPD2 (3.0)	DHX38 (2.9)	TOMM40 (2.6)	C12orf43 (2.4)	ATP13A1 (2.2)
LPL (3.7)	APOE (3.2)	APOC1 (2.9)	HP (1.9)	PLEC (1.9)
TIMD4 (2.8)	GMIP (2.6)	ENSG00000236267 (2	ABCA6 (2.3)	LPAL2 (2.1)
LIPC (4.3)	APOC1 (4.1)	PLG (3.9)	ABCG5 (3.7)	APOA5 (3.6)
OTX1 (2.3)	CLPTM1 (2.2)	SORT1 (2.1)	FNDC4 (2.1)	PVR (2.1)
LIPC (4.4)	APOC1 (3.9)	PLG (3.9)	APOA5 (3.6)	ABCG5 (3.6)
APOE (2.5)	KANK2 (2.3)	PVRL2 (1.9)	BCAM (1.9)	ABCA6 (1.8)
ENSG00000244861 (2	ABCG5 (2.6)	ABCG8 (2.4)	C19orf80 (2.3)	COL4A3BP (2.3)
ABCA1 (3.4)	APOC1 (3.0)	GCKR (2.3)	CETP (2.3)	MYLIP (1.8)
ABCA1 (3.4)	APOC1 (3.0)	GCKR (2.3)	CETP (2.3)	MYLIP (1.8)
LIPC (4.1)	PCSK9 (3.8)	GCKR (3.8)	APOA5 (3.7)	LPAL2 (3.2)

C11orf9 (2.1)	TRIB1 (2.1)	GMIP (2.1)	NCAN (1.9)	CEP250 (1.9)
TRAM2 (2.8)	PVRL2 (2.6)	KANK2 (2.4)	CILP2 (2.4)	ENSG00000254235 (2
FNDC4 (4.1)	GCKR (3.5)	ABCA5 (3.3)	APOA5 (3.2)	ENSG00000236267 (3
PVRL2 (2.2)	FGF21 (2.1)	SPATC1 (1.9)	FUT2 (1.9)	FER1L4 (1.8)
FADS1 (3.4)	HMGCR (3.1)	LIPG (2.8)	CBLC (2.7)	FER1L4 (2.6)
TRAM2 (3.0)	YIPF2 (3.0)	AMIGO1 (2.7)	CYB561D1 (2.5)	GRINA (2.4)
PGS1 (2.1)	FUT1 (2.1)	RASIP1 (1.9)	TRIB1 (1.9)	ABCA1 (1.9)
FUT2 (2.9)	LIPG (2.7)	ENSG00000226806 (2	C19orf80 (2.4)	ENSG00000236267 (2
BCAM (2.3)	NYNRIN (2.2)	DOCK6 (2.2)	OBP2B (2.1)	LIPG (2.0)
ZNF821 (2.0)	SYPL2 (1.8)	SORT1 (1.7)	PLCG1 (1.6)	MAMSTR (1.5)
HNF1A (2.5)	TRAM2 (2.1)	PARP10 (2.0)	DOCK6 (2.0)	GRINA (2.0)
DOCK6 (2.8)	ZRANB3 (2.7)	ATXN1L (2.7)	SMARCA4 (2.6)	MAU2 (2.6)
CELSR2 (2.4)	USP24 (2.2)	GRINA (2.1)	TRIB1 (2.0)	RASIP1 (1.9)
DHODH (2.5)	DARS (2.4)	TOP1 (2.4)	C12orf43 (2.1)	GATAD2A (2.1)
APOA5 (4.1)	LIPC (3.9)	C19orf80 (3.7)	APOC3 (3.6)	APOB (3.5)
PLG (4.0)	LPA (4.0)	HNF4A (3.7)	GCKR (3.5)	APOC4 (3.4)
SLC22A1 (3.0)	ANGPTL3 (2.5)	FER1L4 (2.3)	DHODH (2.3)	PLG (2.2)
ST3GAL4 (2.3)	MAFB (1.9)	MAP3K4 (1.9)	IGF2R (1.9)	LPAR2 (1.8)
ANGPTL3 (2.5)	SUMO1 (2.5)	TOMM40 (2.2)	NRBP1 (2.1)	LPA (2.1)
BMPR2 (2.2)	ATP13A1 (2.2)	NFE2L3 (2.1)	GOT2P1 (2.0)	LDLR (1.8)
FADS2 (4.1)	APOC1 (3.2)	C19orf80 (3.1)	HMGCR (2.8)	HP (2.8)
BMPR2 (2.3)	MAU2 (2.2)	PGS1 (2.1)	NPEPPS (2.0)	TRIB1 (2.0)
FUT2 (1.9)	MAFB (1.8)	TIMD4 (1.6)	ABCG8 (1.5)	GRINA (1.5)
KRTCAP3 (2.4)	R3HDM1 (2.3)	RASIP1 (2.0)	NCAN (2.0)	AMIGO1 (2.0)
HMGCR (3.9)	TM6SF2 (3.3)	C19orf80 (2.4)	SLC22A1 (2.4)	ABCA6 (2.2)
APOA5 (2.4)	PBX4 (2.2)	CBLC (2.1)	APOC3 (1.8)	PLG (1.8)
ENSG00000254235 (3	LPAR2 (2.9)	GRINA (2.9)	APOA4 (2.6)	LCT (2.5)
ATXN1L (2.5)	LPL (2.4)	C19orf80 (2.4)	APOA4 (2.3)	ENSG00000182329 (2
SMARCA4 (2.9)	CBLC (2.6)	CELSR2 (2.3)	TRIB1 (2.1)	MAP3K4 (2.0)
DARS (2.8)	DHODH (2.8)	ATP13A1 (2.7)	TOP1 (2.7)	TOMM40 (2.7)
LIPC (2.5)	GMIP (2.4)	OBP2B (2.3)	IGF2R (2.2)	USP24 (2.1)
LPAL2 (2.3)	PLG (2.3)	MYLIP (2.2)	SLC22A1 (2.1)	CYP26A1 (2.1)
SLC44A2 (2.4)	SYPL2 (2.4)	GOT2P1 (2.2)	TRIM54 (2.2)	SUGP1 (2.0)
ENSG00000244861 (2	ABCG5 (2.6)	ABCG8 (2.4)	C19orf80 (2.3)	LIPC (2.1)
PLCG1 (2.2)	RELB (2.2)	SLC22A3 (2.2)	PVR (2.1)	TIMD4 (2.0)
TM6SF2 (2.6)	ABCG8 (2.5)	APOA4 (2.3)	YSK4 (2.3)	POLK (2.0)
COL4A3BP (2.5)	KANK2 (2.5)	APOB (2.3)	APOC3 (2.3)	ZNF821 (2.2)
NFE2L3 (2.5)	FGF21 (2.1)	PLEC (1.9)	PVR (1.9)	PGS1 (1.9)
TM6SF2 (2.7)	FADS2 (2.7)	SARS (2.5)	FADS1 (2.5)	TRIM54 (2.4)
ABCG5 (3.3)	SLC22A1 (3.3)	APOC4 (3.1)	C19orf80 (3.0)	ABCG8 (3.0)
FEN1 (2.9)	DARS (2.8)	GATAD2A (2.8)	TOP1 (2.8)	NUP93 (2.8)
CEP250 (2.1)	MYLIP (2.1)	GDF5 (1.9)	R3HDM1 (1.8)	COL4A3BP (1.8)
FUT1 (2.1)	ATXN1L (2.1)	SPATC1 (1.9)	TSSK6 (1.8)	ENSG00000254235 (1
ZNF513 (2.1)	TRAM2 (1.9)	COL4A3BP (1.7)	CETP (1.7)	SNX17 (1.7)
C11orf9 (2.3)	PLEC (2.3)	APOC1 (2.2)	TOP1 (2.0)	NYNRIN (2.0)
MAFB (2.3)	RASIP1 (2.2)	DNAH11 (2.2)	GRINA (2.2)	TRIB1 (2.1)
ENSG00000228044 (2	EHBP1 (2.4)	ENSG00000235545 (2	NPEPPS (2.2)	ENSG00000226645 (2
ABCG5 (2.7)	ABCG8 (2.7)	LIPC (2.7)	GNAT2 (2.6)	HNF1A (2.5)
PCSK9 (2.3)	SLC44A2 (2.1)	USP24 (1.9)	LPL (1.8)	FADS2 (1.8)
ABCG8 (3.0)	LPL (3.0)	FGF21 (2.6)	GPAM (2.6)	APOB (2.6)

SLC22A2 (2.0)	TSSK6 (2.0)	C19orf52 (1.8)	POLK (1.8)	SLC22A3 (1.8)
SLC22A2 (2.0)	TSSK6 (2.0)	C19orf52 (1.8)	POLK (1.8)	SLC22A3 (1.8)
DOCK6 (2.8)	RASIP1 (2.7)	KANK2 (2.5)	ENSG00000254235 (2	CILP2 (2.2)
DARS (2.9)	AMPD2 (2.8)	DHODH (2.5)	DHX38 (2.3)	C12orf43 (2.2)
HP (2.9)	DOCK7 (2.7)	GPAM (2.6)	C19orf80 (2.6)	LPAR2 (2.1)
ABCG5 (4.2)	TM6SF2 (4.0)	FGF21 (3.7)	ENSG00000236267 (3	APOC3 (3.1)
PVR (3.1)	PVRL2 (2.8)	C19orf80 (2.7)	HNF4A (2.6)	APOC4 (2.5)
AMPD2 (2.9)	DARS (2.7)	DHODH (2.6)	C12orf43 (2.3)	DHX38 (2.2)
TIMD4 (2.5)	CETP (2.3)	ABCA1 (2.0)	NFE2L3 (1.9)	MAFB (1.8)
PPM1G (3.2)	UBXN4 (3.0)	SMARCA4 (3.0)	KPNB1 (2.8)	TOMM40 (2.6)
GSTM5 (2.3)	GMIP (2.2)	SMARCA4 (2.1)	IGF2R (2.1)	ZHX3 (1.9)
SPATC1 (1.9)	YSK4 (1.8)	LPIN3 (1.7)	TSSK6 (1.7)	CETP (1.7)
DOCK6 (2.2)	YSK4 (1.8)	CETP (1.8)	ENSG00000236267 (1	ABO (1.7)
GNAT2 (3.1)	ABCG5 (3.1)	TRIB1 (2.9)	RP1 (2.9)	HNF1A (2.6)
HAPLN4 (2.0)	OTX1 (1.9)	GCKR (1.7)	PVR (1.7)	GRINA (1.6)
PPM1G (3.5)	CEP250 (3.3)	NUP93 (3.2)	CARM1 (3.1)	KPNB1 (3.0)
APOC3 (4.0)	APOE (3.7)	APOC1 (3.6)	APOA5 (3.6)	HNF4A (3.3)
DOCK7 (2.8)	NUP93 (2.7)	BUD13 (2.7)	NPEPPS (2.6)	KPNB1 (2.5)
GOT2P1 (2.3)	RASIP1 (2.3)	KANK2 (1.9)	IGF2R (1.9)	BCAM (1.8)
FADS1 (2.9)	CBLC (2.9)	CELSR2 (2.7)	ENSG00000236267 (2	FADS2 (2.2)
TIMD4 (4.2)	APOC4 (3.7)	ANGPTL3 (3.4)	HP (3.0)	APOE (2.9)
APOA4 (5.5)	ABCG5 (5.2)	APOB (3.5)	APOC3 (3.3)	SPATC1 (3.3)
TRAM2 (2.4)	ERGIC3 (2.1)	SNX17 (1.9)	C19orf80 (1.9)	LIPG (1.8)
NOP58 (3.6)	TOMM40 (3.5)	PPM1G (3.3)	DARS (3.1)	TRIB1 (2.7)
CETP (1.9)	FUT1 (1.7)	RELB (1.7)	NFE2L3 (1.7)	IGF2R (1.7)
ZNF513 (2.5)	LPL (2.5)	HP (2.5)	PGS1 (2.5)	TRIB1 (2.5)
KANK2 (2.2)	NRBP1 (2.2)	KPNB1 (2.2)	APOE (2.1)	TOP1 (2.0)
KPNB1 (3.0)	UBXN4 (3.0)	NUP93 (2.9)	DARS (2.8)	ZNF259 (2.8)
DHX38 (3.5)	DHODH (3.4)	AMPD2 (2.9)	ATP13A1 (2.9)	PPM1G (2.8)
SPATC1 (3.4)	APOA5 (3.4)	HNF4A (3.3)	ANGPTL3 (3.2)	GCKR (3.1)
C11orf9 (2.7)	NYNRIN (2.6)	APOE (2.4)	CILP2 (2.2)	GDF5 (2.2)
IFT172 (2.4)	NPEPPS (2.3)	LPIN3 (2.1)	MAP3K4 (2.0)	GPAM (1.9)
DOCK7 (2.1)	ATXN1L (2.0)	EHBP1 (2.0)	IFT172 (1.9)	ZNF513 (1.8)
DHX38 (2.2)	USP24 (2.2)	SMARCA4 (2.1)	NOP58 (2.0)	KPNB1 (2.0)
LIPG (2.8)	PVRL2 (2.6)	TBKBP1 (2.5)	NYNRIN (2.1)	TRAM2 (2.1)
RELB (2.6)	ABCA6 (2.5)	ST3GAL4 (2.3)	IST1 (2.2)	GRINA (2.1)
ENSG00000228044 (2	PPM1G (1.8)	C17orf57 (1.8)	HMGCR (1.7)	ATP13A1 (1.6)
LPIN3 (1.9)	KANK2 (1.8)	GSTM5 (1.7)	OTX1 (1.7)	LIPG (1.7)
KPNB1 (3.3)	ZNF259 (3.2)	NUP93 (3.1)	RELB (2.6)	NFE2L3 (2.5)
CELSR2 (2.0)	APOE (1.9)	ENSG00000235545 (1	ENSG00000236267 (1	FUT1 (1.8)
OASL (2.3)	DNAH11 (2.2)	LPIN3 (2.2)	GRINA (2.1)	FGF21 (2.1)
GRINA (2.2)	FNDC4 (2.2)	OASL (2.1)	LPIN3 (2.1)	DNAH11 (1.9)
GPAM (2.4)	YSK4 (2.4)	ST3GAL4 (2.2)	MAP3K4 (2.0)	LCT (1.8)
APOC3 (2.8)	APOC1 (2.7)	APOE (2.7)	ABCG8 (2.7)	APOB (2.4)
USP24 (2.5)	PLEC (2.3)	BCAM (2.3)	BMPR2 (2.0)	KANK2 (2.0)
C19orf80 (2.2)	GPAM (2.2)	POLK (2.1)	PLG (2.0)	GRINA (2.0)
GPAM (1.8)	PVR (1.7)	IFT172 (1.6)	ST3GAL4 (1.6)	BMPR2 (1.5)
TBKBP1 (2.9)	NYNRIN (2.6)	CETP (2.2)	SLC44A2 (2.2)	ATXN1L (2.1)
DOCK7 (2.9)	MCM6 (2.9)	MAP3K4 (2.8)	KPNB1 (2.5)	BUD13 (2.4)
LCT (2.4)	APOA4 (2.2)	LPL (2.2)	ENSG00000226622 (2	AMIGO1 (2.0)

CETP (3.7)	HP (2.6)	SLC44A2 (2.5)	RELB (2.5)	APOE (2.3)
RASIP1 (2.5)	CBLC (2.5)	FUT1 (2.3)	C17orf57 (2.3)	SLC44A2 (2.0)
DOCK6 (2.3)	MAP3K4 (2.1)	PVRL2 (2.0)	EHBP1 (2.0)	DOCK7 (1.9)
NFE2L3 (3.1)	TOMM40 (3.0)	ZNF259 (2.6)	KPNB1 (2.5)	SARS (2.3)
GMIP (2.6)	OBP2B (2.5)	PARP10 (2.5)	MAU2 (2.4)	ENSG00000256731 (2
MYLIP (2.8)	PLEC (2.1)	FUT2 (2.0)	MAFB (2.0)	DNAH11 (1.8)
PVRL2 (2.7)	C11orf9 (2.2)	POLK (2.0)	PLEC (2.0)	SLC22A2 (1.8)
PVR (2.2)	ST3GAL4 (2.2)	PARP10 (2.1)	IFT172 (2.0)	APOE (1.9)
TOMM40 (3.1)	DARS (2.8)	C12orf43 (2.8)	AMPD2 (2.7)	DHX38 (2.2)
SLC22A2 (2.6)	APOC3 (2.2)	MAP3K4 (2.1)	HAVCR1 (2.1)	DARS (2.1)
ENSG00000236436 (1	NFE2L3 (1.8)	ABCA6 (1.7)	ENSG00000236267 (1	LIPC (1.6)
GPAM (2.8)	SLC22A2 (2.7)	LPIN3 (2.5)	ABCA6 (2.5)	SLC22A1 (2.5)
PLG (3.3)	ANGPTL3 (3.0)	APOA5 (2.7)	SLC22A1 (2.7)	APOC4 (2.7)
PLG (3.3)	ANGPTL3 (3.0)	APOA5 (2.7)	SLC22A1 (2.7)	APOC4 (2.7)
LPAL2 (2.3)	HNF1A (2.1)	C19orf80 (2.0)	OBP2B (2.0)	SLC22A3 (1.8)
ENSG00000235545 (2	TSSK6 (1.9)	FER1L4 (1.7)	CYP26A1 (1.7)	TM6SF2 (1.6)
FNDC4 (2.4)	FUT2 (2.4)	ABCA5 (1.8)	KRTCAP3 (1.8)	COL4A3BP (1.7)
SARS (3.3)	GPAM (3.1)	SMARCA4 (2.8)	PPM1G (2.7)	NUP93 (2.7)
APOE (2.8)	LPA (2.0)	EHBP1 (2.0)	MAFB (2.0)	CILP2 (1.9)
SLC44A2 (2.2)	ENSG00000226645 (2	GMIP (2.1)	KRTCAP3 (2.0)	ST3GAL4 (1.9)
IFT172 (2.7)	ZNF821 (2.4)	FER1L4 (2.2)	BCAM (2.2)	ENSG00000226806 (2
TOMM40 (3.1)	AMPD2 (3.0)	PPM1G (2.3)	KPNB1 (2.3)	TOP1 (2.2)
ABCG8 (1.9)	IGF2R (1.7)	SORT1 (1.6)	GRINA (1.6)	ENSG00000228044 (1
TBKBP1 (2.7)	R3HDM1 (2.5)	ATXN1L (2.4)	ENSG00000226645 (2	PVR (2.2)
GPR61 (2.3)	ABCA1 (2.3)	OASL (2.1)	LDLR (2.0)	PVR (1.8)
ENSG00000244861 (2	ST3GAL4 (2.2)	OASL (2.1)	ABCA6 (2.0)	PARP10 (2.0)
NUP93 (3.2)	SARS (2.6)	KPNB1 (2.5)	PPM1G (2.5)	DHX38 (2.5)
APOB (3.2)	LIPC (3.2)	BCAM (3.1)	HP (3.1)	APOC1 (2.7)
HNF4A (3.6)	TM6SF2 (3.1)	SLC22A1 (2.6)	GSTM4 (2.0)	GRINA (2.0)
SUGP1 (2.3)	PPM1G (2.1)	DHX38 (2.1)	C12orf43 (2.0)	SARS (1.8)
GMIP (2.4)	USP24 (2.4)	SLC44A2 (2.4)	CARM1 (2.4)	DOCK6 (2.0)
MAFB (2.5)	PGS1 (2.3)	CLPTM1 (2.2)	NRBP1 (1.8)	TRAM2 (1.8)
MAFB (2.5)	PGS1 (2.3)	CLPTM1 (2.2)	NRBP1 (1.8)	TRAM2 (1.8)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
ABCA6 (2.6)	TIMD4 (2.3)	GMIP (2.1)	ENSG00000236267 (2	BMPR2 (2.1)
FADS2 (2.5)	MAU2 (2.3)	FADS1 (2.2)	SMARCA4 (2.2)	GRINA (2.0)
PPM1G (3.2)	HMGCR (3.1)	ZNF259 (3.1)	KPNB1 (3.0)	MCM6 (2.9)
APOA5 (2.1)	C19orf80 (2.1)	HNF4A (2.1)	APOC4 (2.0)	POC5 (1.9)
DHODH (3.5)	DHX38 (2.9)	AMPD2 (2.8)	ATP13A1 (2.6)	DARS (2.5)
MAFB (2.7)	PVR (1.9)	OASL (1.9)	TIMD4 (1.7)	ABCA6 (1.6)
LPL (2.3)	GPAM (2.3)	C19orf80 (2.0)	HAPLN4 (2.0)	TM6SF2 (1.9)
ABCA5 (2.9)	APOA4 (2.7)	ABCG5 (2.6)	TM6SF2 (2.3)	SYPL2 (2.3)
SPATC1 (2.3)	GDF5 (2.2)	C17orf57 (2.1)	CYP26A1 (2.0)	FUT2 (2.0)

ABCA6 (2.3)	CETP (2.2)	BMPR2 (2.1)	TIMD4 (2.1)	PGS1 (2.0)
PBX4 (2.8)	PLEC (2.7)	BUD13 (2.7)	GMIP (2.4)	LIPG (2.3)
PGS1 (2.4)	GRINA (2.1)	DNAH11 (2.1)	DOCK7 (2.0)	KANK2 (1.9)
ERGIC3 (3.1)	PCSK9 (2.7)	SNX17 (2.5)	ENSG00000256731 (2	LDLR (2.4)
PPM1G (2.1)	ENSG00000244861 (2	TOP1 (2.0)	SARS (2.0)	SMARCA4 (1.9)
AMPD2 (3.1)	DHODH (3.0)	C12orf43 (2.9)	DHX38 (2.9)	ATP13A1 (2.8)
ST3GAL4 (1.8)	ENSG00000182329 (1	FNDC4 (1.8)	PVR (1.7)	ENSG00000228044 (1
CBLC (2.6)	ZHX3 (2.4)	NYNRIN (2.3)	PGS1 (2.3)	C17orf57 (2.3)
ABCA6 (2.6)	TBKBP1 (2.0)	MAFB (1.9)	IZUMO1 (1.9)	PARP10 (1.8)
RASIP1 (2.7)	MAFB (2.7)	BCAM (2.1)	NPEPPS (2.1)	TRIB1 (2.0)
C19orf80 (3.1)	TM6SF2 (3.0)	ENSG00000182329 (2	ABCG5 (2.8)	GCKR (2.5)
GMIP (2.5)	LPL (2.3)	SORT1 (2.2)	APOC1 (2.2)	GRINA (2.2)
OBP2B (2.3)	DHX38 (2.2)	AMPD2 (2.2)	ZNF513 (2.1)	OASL (1.9)
FADS1 (8.1)	PCSK9 (7.3)	LIPG (4.7)	SLC22A1 (3.7)	PLG (3.1)
NUP93 (3.0)	GATAD2A (2.7)	C12orf43 (2.2)	RELB (2.1)	NCAN (2.0)
OBP2B (2.0)	PVRL2 (1.9)	TBKBP1 (1.9)	OTX1 (1.9)	SLC22A3 (1.9)
ST3GAL4 (2.4)	LPA (2.2)	ENSG00000228044 (2	AMIGO1 (2.1)	SORT1 (2.1)
FADS2 (4.3)	PCSK9 (3.3)	CLPTM1 (3.1)	ATP13A1 (2.6)	SORT1 (2.5)
CETP (3.1)	RELB (3.0)	ABCA6 (2.6)	BMPR2 (1.9)	GMIP (1.9)
PLG (3.1)	APOC4 (2.9)	GCKR (2.9)	LPA (2.8)	CETP (2.7)
PMFBP1 (2.1)	LPL (2.0)	FGF21 (2.0)	ENSG00000226622 (1	APOA4 (1.4)
TRIB1 (2.2)	CYB561D1 (2.1)	PBX4 (1.9)	PARP10 (1.9)	SLC22A3 (1.9)
FADS2 (9.7)	PCSK9 (8.4)	LIPG (5.6)	SLC22A1 (3.3)	PLG (3.0)
ANGPTL3 (4.1)	HNF4A (3.9)	APOC4 (3.9)	FADS2 (3.3)	TM6SF2 (3.2)
ANGPTL3 (4.1)	HNF4A (3.9)	APOC4 (3.9)	FADS2 (3.3)	TM6SF2 (3.2)
PARP10 (2.5)	ABCA1 (2.4)	ABCA6 (2.2)	CETP (2.1)	ENSG00000236267 (2
APOC4 (2.6)	GPAM (2.6)	SLC22A1 (2.4)	FGF21 (2.4)	ANGPTL3 (2.3)
NYNRIN (1.9)	ATXN1L (1.9)	FNDC4 (1.8)	HNF1A (1.7)	PMFBP1 (1.7)
TRIB1 (2.8)	RELB (2.7)	GRINA (2.2)	GMIP (2.2)	NFE2L3 (2.2)
MAFB (2.9)	ABCA1 (2.7)	GMIP (2.5)	TIMD4 (2.4)	ENSG00000228044 (2
ABCA1 (2.7)	HP (2.5)	ST3GAL4 (2.3)	ENSG00000235545 (1	ENSG00000228044 (1
APOC1 (3.3)	ABCA1 (3.2)	CETP (2.5)	ENSG00000226806 (2	KRTCAP3 (1.8)
APOC1 (3.3)	ABCA1 (3.2)	CETP (2.5)	ENSG00000226806 (2	KRTCAP3 (1.8)
ABCA6 (2.1)	LIPC (2.0)	MYLIP (1.8)	ENSG00000226648 (1	CETP (1.7)
MAFB (2.8)	PVR (2.3)	POC5 (2.3)	TXNL4B (2.2)	APOB (1.8)
FNDC4 (3.3)	GPAM (2.9)	ABO (2.9)	HMGCR (2.3)	ST3GAL4 (2.2)
TOMM40 (3.0)	ZNF259 (2.6)	NFE2L3 (2.4)	PPM1G (2.4)	SARS (2.3)
CETP (2.0)	IGF2R (1.9)	PMFBP1 (1.8)	COL4A3BP (1.7)	ENSG00000226645 (1
IFT172 (2.1)	UBXN4 (2.1)	ATP13A1 (2.0)	ABCA5 (1.8)	DOCK7 (1.8)
GDF5 (2.2)	PVR (2.1)	HP (2.0)	SLC22A1 (1.9)	RELB (1.8)
TOMM40 (2.7)	KPNB1 (2.7)	C12orf43 (2.7)	SARS (2.5)	PPM1G (2.5)
PARP10 (2.3)	LCT (2.2)	ABCA1 (2.1)	PGS1 (2.1)	TM6SF2 (1.9)
SLC22A1 (2.1)	ABCA5 (1.9)	FUT2 (1.8)	C19orf80 (1.6)	KRTCAP3 (1.6)
DARS (2.8)	DHODH (2.8)	DHX38 (2.7)	AMPD2 (2.4)	PPM1G (2.3)
APOB (2.4)	C11orf9 (2.3)	HNF1A (2.3)	APOC3 (2.2)	LCT (2.0)
DOCK6 (2.2)	PVRL2 (2.1)	TRAM2 (2.0)	C11orf9 (1.9)	ZNF513 (1.7)
PVRL2 (1.9)	ABO (1.7)	ATXN7L2 (1.6)	NYNRIN (1.5)	CILP2 (1.3)
ATP13A1 (3.2)	CEP250 (2.6)	SMARCA4 (2.6)	BUD13 (2.5)	ATXN1L (2.4)
DHX38 (2.6)	ATP13A1 (2.6)	USP24 (2.5)	NUP93 (2.4)	PSMA5 (2.2)
POLK (1.9)	MAU2 (1.8)	GRINA (1.7)	TRIB1 (1.6)	CLPTM1 (1.6)

DHODH (2.7)	AMPD2 (2.7)	DARS (2.3)	TOP1 (2.3)	ATP13A1 (2.0)
TIMD4 (2.2)	SLC44A2 (2.1)	SLC22A3 (2.1)	ABCA6 (2.0)	RELB (2.0)
MYLIP (2.0)	ENSG00000254235 (2	NYNRIN (1.9)	ENSG00000236436 (1	DOCK6 (1.7)
PVR (2.1)	MAP3K4 (2.1)	C17orf57 (2.0)	LPAL2 (1.6)	CETP (1.5)
DOCK7 (2.2)	NPEPPS (2.0)	R3HDM1 (2.0)	NUP93 (1.8)	KPNB1 (1.8)
DOCK7 (2.2)	NPEPPS (2.0)	R3HDM1 (2.0)	NUP93 (1.8)	KPNB1 (1.8)
TSSK6 (2.4)	HMGCR (2.3)	SLC44A2 (2.3)	SORT1 (2.0)	YIPF2 (1.9)
TOMM40 (3.2)	NOP58 (3.1)	SUGP1 (3.0)	DHX38 (2.4)	ATP13A1 (2.4)
PLCG1 (3.1)	PVR (3.0)	FUT1 (2.7)	PVRL2 (2.4)	BMPR2 (2.3)
ERGIC3 (2.5)	ABCA1 (2.3)	NCAN (2.3)	C19orf80 (2.2)	TIMD4 (2.2)
ANGPTL3 (4.2)	APOC1 (4.1)	HNF4A (3.8)	HAVCR1 (3.7)	HP (3.6)
NRBP1 (2.3)	CLPTM1 (2.3)	TRAM2 (2.2)	ATP13A1 (2.2)	PVRL2 (1.9)
ENSG00000256731 (3	TIMD4 (2.9)	ABCA6 (2.6)	ABCA1 (2.5)	OBP2B (2.2)
CARM1 (2.4)	DHODH (2.4)	TRIB1 (2.2)	NOP58 (2.1)	TOP1 (2.1)
LPA (2.2)	GMIP (2.1)	PLEC (2.1)	ABCA1 (2.0)	PBX4 (1.9)
DHODH (3.6)	ENSG00000226645 (2	AMPD2 (2.5)	C12orf43 (2.4)	SUGP1 (2.3)
GDF5 (2.4)	GMIP (2.3)	GSTM5 (2.3)	SMARCA4 (2.3)	AMPD2 (2.0)
LPA (2.6)	APOE (2.3)	CETP (2.2)	GCKR (2.1)	PARP10 (2.0)
SUGP1 (3.1)	BUD13 (2.9)	GATAD2A (2.8)	MAU2 (2.4)	ABO (2.2)
NFE2L3 (2.9)	PBX4 (2.7)	PGS1 (2.6)	PLEC (2.4)	PARP10 (2.3)
C19orf80 (2.5)	DARS (2.4)	SORT1 (2.2)	GPAM (2.1)	LPAL2 (2.0)
C19orf80 (2.5)	DARS (2.4)	SORT1 (2.2)	GPAM (2.1)	LPAL2 (2.0)
ST3GAL4 (2.9)	OBP2B (2.7)	ABCG5 (2.7)	PVRL2 (2.5)	TSSK6 (2.4)
PCSK9 (3.0)	ABO (2.8)	LPA (2.2)	TM6SF2 (2.2)	ABCG8 (2.2)
LPA (2.6)	CETP (2.3)	APOE (2.2)	GCKR (2.0)	PARP10 (2.0)
USP24 (2.8)	MAU2 (2.7)	DHX38 (2.4)	GMIP (2.4)	OBP2B (2.4)
CETP (3.4)	APOC4 (3.1)	GCKR (3.0)	ABCA6 (2.8)	HP (2.7)
PVRL2 (2.5)	APOC1 (2.1)	ABCA1 (2.1)	MAFB (1.8)	PLG (1.8)
YSK4 (2.6)	LIPG (2.5)	C11orf9 (2.3)	FNDC4 (2.2)	SLC44A2 (2.1)
DHODH (3.5)	AMPD2 (3.0)	DARS (2.7)	DHX38 (2.6)	ATP13A1 (2.6)
ENSG00000226622 (2	ABCA1 (2.4)	ENSG00000256731 (2	HNF1A (2.2)	ST3GAL4 (2.0)
RASIP1 (2.2)	LIPG (2.2)	DOCK6 (2.1)	MYLIP (2.0)	ENSG00000226645 (1
GSTM4 (2.3)	SMARCA4 (2.2)	EHBP1 (2.1)	APOA5 (2.0)	MAFB (1.8)
PGS1 (2.7)	RELB (2.6)	BMPR2 (2.5)	TRIB1 (2.2)	CETP (2.0)
GNAI3 (2.6)	AMPD2 (2.5)	PSMA5 (2.2)	ZHX3 (2.2)	DOCK7 (2.0)
FGF21 (2.2)	NYNRIN (2.1)	HNF1A (2.1)	OTX1 (2.0)	FUT2 (2.0)
NOP58 (2.3)	SMARCA4 (2.2)	TOP1 (2.2)	MAU2 (2.2)	PLCG1 (2.1)
GDF5 (2.5)	LPL (2.3)	KRTCAP3 (2.3)	TRAM2 (2.3)	RASIP1 (1.9)
BCAM (2.9)	FADS1 (2.8)	NYNRIN (2.3)	GDF5 (2.3)	IFT172 (2.2)
MAFB (2.4)	TRIB1 (2.4)	DNAH11 (2.2)	RASIP1 (2.2)	PGS1 (2.2)
OTX1 (3.2)	FADS2 (2.9)	EHBP1 (2.7)	NYNRIN (2.6)	IFT172 (2.4)
ABCA5 (2.1)	APOC1 (2.0)	ENSG00000244861 (2	APOE (1.9)	PLEC (1.9)
LIPG (1.8)	FUT2 (1.8)	GSTM5 (1.8)	ST3GAL4 (1.7)	ENSG00000228044 (1
LIPG (1.8)	FUT2 (1.8)	GSTM5 (1.8)	ST3GAL4 (1.7)	ENSG00000228044 (1
IGF2R (1.8)	BCAM (1.8)	ENSG00000254235 (1	EHBP1 (1.7)	FUT1 (1.7)
RASIP1 (2.2)	KANK2 (2.1)	BMPR2 (2.1)	GDF5 (1.9)	DOCK6 (1.8)
RASIP1 (2.2)	LIPG (2.0)	NOP58 (1.8)	USP1 (1.7)	LDLR (1.7)
ENSG00000236267 (3	ABCG5 (3.2)	SLC22A1 (3.0)	LCT (2.9)	APOA4 (2.5)
ABCG5 (2.5)	APOA4 (2.3)	ABCA1 (2.2)	LIPC (2.2)	APOB (2.0)
HP (2.7)	ABCG8 (2.4)	GPAM (2.2)	GNAI3 (2.0)	PVR (1.9)

POC5 (2.9)	MAP3K4 (2.8)	DOCK7 (2.7)	KPNB1 (2.7)	BUD13 (2.5)
SLC22A1 (1.9)	CETP (1.8)	APOE (1.7)	PLCG1 (1.6)	APOC4 (1.6)
KPNB1 (2.5)	GOT2P1 (2.2)	SPATC1 (2.1)	ENSG00000244861 (2	ENSG00000228044 (1
SLC22A1 (2.8)	GCKR (2.8)	C19orf80 (2.6)	ENSG00000235545 (2	APOA5 (2.5)
CETP (2.5)	RELB (2.3)	TIMD4 (2.0)	ABCA1 (1.9)	CEP250 (1.6)
SARS (2.6)	NRBP1 (2.5)	COL4A3BP (2.2)	SMARCA4 (2.1)	KPNB1 (2.1)
GMIP (2.5)	ENSG00000226806 (2	TIMD4 (2.1)	SLC44A2 (1.9)	CEP250 (1.9)
SARS (3.3)	NPEPPS (2.7)	PPM1G (2.6)	NRBP1 (2.5)	SNX17 (2.5)
DARS (3.0)	DHX38 (3.0)	SMARCA4 (2.9)	PPM1G (2.9)	SUGP1 (2.7)
GRINA (2.2)	MAFB (2.0)	PGS1 (1.8)	HP (1.7)	TXNL4B (1.5)
TM6SF2 (2.5)	APOA4 (2.3)	APOA5 (2.3)	APOB (2.3)	ABCG5 (2.2)
HNF4A (1.8)	IGF2R (1.8)	GDF5 (1.7)	MYLIP (1.7)	CYP26A1 (1.6)
NUP93 (3.2)	NRBP1 (3.0)	PPM1G (2.8)	TOMM40 (2.6)	SARS (2.6)
GDF5 (2.6)	BCAM (2.6)	ABCA1 (2.5)	ENSG00000236267 (2	NYNRIN (2.0)
TBKBP1 (2.1)	YSK4 (2.0)	LPL (1.8)	DOCK6 (1.8)	BCAM (1.7)
CETP (2.5)	ENSG00000231204 (2	GSTM5 (1.9)	HP (1.9)	ABCA1 (1.8)
ENSG00000228044 (2	GPR61 (2.2)	TSSK6 (1.9)	DNAH11 (1.9)	ENSG00000226622 (1
SLC22A3 (2.4)	C19orf80 (2.4)	EHBP1 (2.3)	GPAM (2.2)	PCSK9 (1.9)
EHBP1 (2.3)	CILP2 (2.1)	FADS1 (2.1)	BMPR2 (2.0)	FUT2 (1.9)
ABCA5 (2.4)	C19orf80 (2.2)	GRINA (2.1)	AMIGO1 (2.1)	PPM1G (2.0)
TIMD4 (3.1)	LPAL2 (3.1)	APOC4 (2.6)	APOE (2.5)	GCKR (2.5)
RELB (2.5)	TIMD4 (2.2)	CETP (2.0)	ENSG00000236267 (1	BMPR2 (1.9)
CYP26A1 (3.1)	ABCA1 (2.9)	EHBP1 (2.6)	OASL (2.0)	SORT1 (2.0)
USP24 (2.6)	GDF5 (2.4)	POLK (2.0)	GSTM5 (2.0)	SMARCA4 (1.9)
LIPG (2.5)	ABCA6 (2.4)	ABCA1 (2.1)	PMFBP1 (2.1)	HP (1.9)
OTX1 (2.4)	UBXN4 (2.4)	DARS (2.3)	PPM1G (2.2)	NRBP1 (2.0)
PVRL2 (3.0)	PLEC (2.8)	GNAI3 (2.8)	IFT172 (2.5)	DARS (2.2)
TRAM2 (2.4)	ENSG00000226648 (2	ENSG00000235545 (2	MAFB (1.9)	LIPG (1.8)
PBX4 (2.1)	ENSG00000231204 (2	FER1L4 (2.0)	GSTM5 (1.7)	IFT172 (1.7)
OTX1 (2.1)	CYP26A1 (1.9)	YSK4 (1.7)	KANK2 (1.6)	ENSG00000236436 (1
USP1 (3.1)	MCM6 (2.4)	BUD13 (2.2)	MAP3K4 (2.2)	R3HDM1 (2.0)
LPL (2.2)	GDF5 (1.9)	BCAM (1.8)	PLEC (1.8)	LPIN3 (1.8)
TOMM40 (2.1)	POC5 (2.0)	PSMA5 (1.9)	SARS (1.7)	ENSG00000226648 (1
RELB (2.3)	TIMD4 (2.0)	GMIP (2.0)	POLK (1.7)	ZNF513 (1.6)
FUT2 (2.1)	DOCK7 (2.0)	IST1 (2.0)	CETP (2.0)	PLCG1 (2.0)
CYP26A1 (2.3)	IGF2R (2.1)	PVRL2 (2.1)	ABCA1 (2.0)	MYLIP (1.9)
APOC1 (4.3)	ANGPTL3 (4.0)	PLG (3.8)	HP (3.7)	HAVCR1 (3.7)
NPEPPS (2.8)	DARS (2.8)	DOCK7 (2.7)	NUP93 (2.6)	BUD13 (2.4)
ENSG00000244861 (1	FUT1 (1.9)	GMIP (1.9)	IZUMO1 (1.9)	IFT172 (1.8)
ANGPTL3 (2.9)	SPATC1 (2.8)	SLC22A2 (2.8)	GSTM4 (2.6)	DHODH (2.5)
HP (2.4)	CILP2 (2.2)	LPL (2.1)	SLC22A3 (2.0)	RELB (1.9)
AMPD2 (2.3)	C19orf52 (2.0)	ATP13A1 (1.9)	TOMM40 (1.8)	LPA (1.8)
APOC4 (3.3)	PLG (3.1)	SLC22A1 (2.8)	APOA5 (2.8)	ENSG00000228044 (2
DNAH11 (2.5)	FNDC4 (2.4)	ABO (2.2)	ABCG8 (2.2)	FADS2 (2.1)
ST3GAL4 (2.4)	PGS1 (2.0)	TRIB1 (2.0)	IZUMO1 (1.9)	PVR (1.7)
R3HDM1 (2.3)	RASIP1 (2.3)	GMIP (2.3)	TBKBP1 (2.2)	C19orf52 (1.9)
HNF1A (1.9)	AMIGO1 (1.8)	ENSG00000182329 (1	LPA (1.6)	GPAM (1.6)
FUT2 (2.6)	ENSG00000231204 (2	LIPG (2.1)	ENSG00000228044 (2	LPAL2 (2.0)
GATAD2A (3.5)	PPM1G (3.3)	TOMM40 (3.3)	SARS (3.1)	SMARCA4 (2.7)
TBKBP1 (2.3)	ENSG00000236436 (2	TRAM2 (1.8)	SLC22A3 (1.7)	OBP2B (1.6)

TIMD4 (2.6)	GMIP (2.4)	APOC1 (2.1)	ST3GAL4 (1.9)	ABCA1 (1.8)
CETP (2.0)	C17orf57 (1.9)	KANK2 (1.9)	ATP13A1 (1.5)	CILP2 (1.5)
ABCA1 (2.2)	NFE2L3 (2.2)	APOE (2.0)	BCAM (2.0)	PLCG1 (2.0)
ABCA6 (2.5)	ENSG00000256731 (2	CETP (2.1)	ABCA5 (2.0)	PGS1 (1.8)
SLC22A2 (2.6)	LIPG (2.5)	PLG (2.5)	SARS (2.3)	GPAM (2.2)
TM6SF2 (2.7)	ABCG8 (2.3)	ENSG00000236267 (2	KRTCAP3 (2.2)	PLEC (2.0)
DHX38 (2.1)	SNX17 (2.1)	MAP3K4 (2.0)	SLC22A3 (2.0)	NRBP1 (2.0)
NUP93 (3.4)	TOMM40 (2.6)	KPNB1 (1.9)	PPM1G (1.9)	SUGP1 (1.6)
SLC22A2 (2.8)	GSTM5 (2.5)	GDF5 (2.3)	GMIP (2.3)	SMARCA4 (1.9)
FADS2 (9.3)	PCSK9 (7.2)	LIPG (4.8)	GPAM (2.4)	CLPTM1 (2.3)
LPA (2.4)	DARS (2.4)	GOT2P1 (2.2)	DHODH (2.1)	SLC22A1 (2.1)
GMIP (2.6)	ABCA6 (2.5)	CETP (2.3)	TIMD4 (2.2)	BMPR2 (1.9)
ENSG00000236436 (2	LPAL2 (2.0)	SLC22A2 (1.9)	SLC22A1 (1.8)	CILP2 (1.8)
BCAM (2.3)	KANK2 (2.2)	PVRL2 (2.2)	GATAD2A (1.9)	PVR (1.9)
ABCG5 (3.8)	ABCG8 (3.7)	OBP2B (3.0)	FUT2 (2.9)	C17orf57 (2.7)
PLCG1 (2.3)	RELB (2.2)	ABCA1 (2.0)	RASIP1 (2.0)	APOC1 (1.9)
TOMM40 (2.6)	UBXN4 (2.5)	PPM1G (2.4)	USP24 (2.3)	NUP93 (2.2)
ABCG5 (2.3)	RASIP1 (2.1)	KRTCAP3 (2.0)	MAMSTR (2.0)	NCAN (1.9)
NFE2L3 (2.4)	APOE (2.1)	APOB (1.9)	CEP250 (1.8)	CARM1 (1.8)
DOCK6 (2.5)	PVR (2.3)	NYNRIN (1.9)	TRAM2 (1.9)	ZNF821 (1.8)
NFE2L3 (1.9)	YIPF2 (1.8)	MYLIP (1.8)	TBKBP1 (1.7)	TOP1 (1.6)
CELSR2 (2.3)	BCAM (2.2)	PVRL2 (2.1)	LPIN3 (2.0)	IST1 (1.9)
ANGPTL3 (4.3)	PLG (4.2)	APOE (3.9)	HNF4A (3.6)	APOC1 (3.4)
ABCA6 (2.6)	TIMD4 (2.3)	CETP (2.2)	GMIP (2.1)	ENSG00000236267 (2
ATXN1L (2.1)	EHBP1 (2.1)	KANK2 (2.0)	SLC44A2 (2.0)	LPAR2 (2.0)
CLPTM1 (2.7)	PPM1G (2.2)	PCSK9 (2.2)	NYNRIN (2.1)	MAU2 (2.1)
ENSG00000231204 (1	ATXN7L2 (1.8)	RAB3GAP1 (1.6)	ENSG00000228044 (1	LPIN3 (1.4)
GMIP (2.3)	ATP13A1 (2.3)	SLC22A3 (2.2)	CLPTM1 (1.9)	ABCA6 (1.8)
FNDC4 (2.3)	OASL (2.3)	FGF21 (2.2)	GRINA (2.2)	ENSG00000226622 (1
GATAD2A (3.1)	R3HDM1 (2.7)	ZNF821 (2.4)	NYNRIN (2.4)	GOT2P1 (2.2)
HNF4A (3.1)	GNAT2 (2.9)	HNF1A (2.8)	RP1 (2.7)	TRIB1 (2.5)
IGF2R (2.4)	CYP26A1 (2.3)	ANGPTL3 (2.2)	HP (2.2)	PLG (2.1)
TIMD4 (2.8)	ABCA6 (2.5)	NFE2L3 (2.0)	C17orf57 (1.9)	ABCA1 (1.9)
AMPD2 (2.9)	DHX38 (2.8)	DHODH (2.7)	ATP13A1 (2.5)	DARS (2.2)
TIMD4 (2.5)	CETP (2.5)	RELB (2.2)	ABCA6 (1.7)	ENSG00000236267 (1
TIMD4 (2.1)	RELB (2.1)	OBP2B (2.1)	ABCA6 (1.6)	ENSG00000236267 (1
DHODH (3.7)	DHX38 (2.9)	AMPD2 (2.8)	DARS (2.6)	PPM1G (2.6)
LPL (2.4)	GDF5 (2.2)	CYP26A1 (2.2)	APOE (2.1)	KANK2 (1.7)
ANGPTL3 (1.9)	ENSG00000182329 (1	MAP3K4 (1.7)	KPNB1 (1.7)	GATAD2A (1.6)
LIPC (3.6)	APOA4 (3.2)	C19orf80 (2.8)	GPAM (2.8)	APOA5 (2.7)
ENSG00000256731 (3	RASIP1 (2.9)	CELSR2 (2.6)	ABCA6 (2.5)	PVRL2 (2.4)
TRAM2 (2.1)	TIMD4 (2.0)	KANK2 (1.9)	KRTCAP3 (1.8)	DOCK6 (1.7)
UBXN4 (2.4)	IFT172 (2.2)	RAB3GAP1 (2.1)	HAPLN4 (2.1)	DOCK7 (2.0)
CYB561D1 (2.4)	UBXN4 (2.3)	FUT2 (2.1)	ATP13A1 (2.1)	ERGIC3 (2.0)
SLC22A1 (2.9)	GPAM (2.8)	PLG (2.6)	SLC22A2 (2.3)	HNF4A (2.2)
ZNF259 (2.8)	SUGP1 (2.7)	DHX38 (2.5)	PSMA5 (2.4)	SMARCA4 (2.3)
GPAM (2.3)	APOA5 (2.2)	SLC22A1 (2.1)	ABCA5 (1.9)	ABCA6 (1.9)
C11orf9 (2.5)	ABCA1 (2.5)	APOE (2.5)	GMIP (2.4)	TIMD4 (2.4)
ENSG00000228044 (2	MYLIP (2.0)	MAU2 (1.9)	SLC22A3 (1.7)	YSK4 (1.7)
ABCA1 (2.7)	FNDC4 (2.6)	GSTM5 (2.0)	AMIGO1 (1.9)	POC5 (1.8)

GRINA (3.1)	COL4A3BP (2.7)	SORT1 (2.7)	ATP13A1 (2.6)	CLPTM1 (2.4)
TRAM2 (2.5)	ABCG5 (2.4)	MAU2 (2.0)	TOP1 (2.0)	COL4A3BP (2.0)
APOC3 (5.1)	ANGPTL3 (4.6)	PLG (4.4)	C19orf80 (4.3)	GCKR (4.2)
DHODH (3.0)	AMPD2 (2.9)	TOMM40 (2.7)	DARS (2.5)	PPM1G (2.0)
FGF21 (2.4)	TRAM2 (2.4)	LPL (2.4)	TBKBP1 (2.1)	PVR (2.0)
SPATC1 (2.6)	ENSG00000244861 (2	ENSG00000226648 (2	NYNRIN (2.4)	OTX1 (1.6)
DHODH (3.1)	DHX38 (3.1)	ATP13A1 (2.6)	C12orf43 (2.5)	AMPD2 (2.4)
FNDC4 (2.2)	LPL (2.1)	PMFBP1 (2.1)	C19orf80 (1.9)	APOC1 (1.9)
LCT (3.8)	ABCG5 (3.7)	TM6SF2 (3.4)	APOB (2.7)	APOE (2.5)
ATP13A1 (3.4)	SORT1 (3.4)	GRINA (3.2)	CLPTM1 (2.8)	ABCA1 (2.7)
MAFB (3.1)	PVR (3.0)	ABCG8 (2.3)	MAMSTR (2.1)	ST3GAL4 (2.1)
KPNB1 (3.3)	NUP93 (3.2)	TOMM40 (2.6)	SARS (2.6)	PPM1G (2.5)
TIMD4 (2.5)	ABCA6 (2.3)	PGS1 (2.1)	CETP (2.0)	GMIP (1.9)
SLC44A2 (1.9)	KRTCAP3 (1.7)	KANK2 (1.7)	FUT2 (1.6)	NYNRIN (1.5)
GMIP (2.4)	OBP2B (2.4)	PGS1 (2.2)	ABCA6 (2.1)	TIMD4 (2.1)
LPA (2.4)	TIMD4 (2.4)	ABCA6 (2.4)	C19orf80 (2.3)	GCKR (2.3)
ABCG8 (1.9)	ENSG00000231204 (1	GCKR (1.7)	ABO (1.7)	ABCG5 (1.7)
NPEPPS (2.5)	CLPTM1 (2.4)	GPAM (2.3)	C12orf43 (2.2)	UBXN4 (2.0)
APOC1 (2.5)	GPAM (2.4)	ABCG8 (2.4)	ABCA1 (2.2)	APOE (2.0)
SPATC1 (2.8)	SLC22A2 (2.8)	SLC22A1 (2.8)	GSTM4 (2.5)	DHODH (2.4)
DHODH (2.4)	C12orf43 (2.4)	OASL (2.4)	TOMM40 (2.4)	NOP58 (2.3)
DOCK6 (2.7)	ABCA6 (2.7)	CETP (2.3)	SLC22A3 (2.1)	ENSG00000226806 (2
FADS2 (8.2)	PCSK9 (6.8)	LIPG (3.1)	TM6SF2 (2.4)	ATP13A1 (2.3)
SARS (3.2)	SMARCA4 (3.2)	NRBP1 (2.9)	KPNB1 (2.7)	PPM1G (2.5)
ABO (2.1)	IST1 (2.0)	FGF21 (2.0)	GDF5 (1.9)	LPIN3 (1.9)
HP (2.5)	MAFB (2.4)	APOC4 (2.4)	LIPC (2.3)	C19orf80 (2.2)
ABCA5 (1.9)	SLC44A2 (1.8)	KRTCAP3 (1.8)	MCM6 (1.7)	ENSG00000235545 (1
UBXN4 (2.1)	C12orf43 (2.0)	DHODH (1.7)	DARS (1.6)	RAB3GAP1 (1.5)
POLK (2.2)	GDF5 (2.1)	MAU2 (2.1)	AMPD2 (2.0)	SMARCA4 (2.0)
DOCK6 (3.2)	LIPG (2.8)	CBLC (2.7)	KRTCAP3 (2.5)	PVRL2 (2.2)
ABCG8 (2.9)	APOC4 (2.7)	FADS1 (2.7)	LIPC (2.4)	ANGPTL3 (2.3)
PLEC (2.8)	NPEPPS (2.7)	PLCG1 (2.5)	CARM1 (2.5)	MAP3K4 (2.4)
SORT1 (2.2)	NPEPPS (2.1)	NYNRIN (2.0)	ENSG00000231204 (1	IGF2R (1.7)
TBKBP1 (2.2)	YSK4 (2.0)	DOCK6 (1.8)	LPL (1.7)	BCAM (1.7)
KANK2 (2.1)	CILP2 (2.0)	DOCK6 (1.8)	APOC1 (1.7)	BCAM (1.6)
AMIGO1 (2.7)	CYP26A1 (2.6)	CETP (2.6)	OTX1 (2.4)	PLCG1 (1.9)
ATXN7L2 (1.8)	KANK2 (1.7)	IGF2R (1.6)	FNDC4 (1.6)	GPAM (1.6)
TRIB1 (3.4)	OASL (3.2)	RELB (3.0)	PARP10 (2.5)	TIMD4 (2.4)
YIPF2 (2.1)	ABCA1 (1.9)	IGF2R (1.9)	CEP250 (1.8)	ERGIC3 (1.8)
ABCG8 (4.5)	APOC4 (4.4)	LPAL2 (4.3)	ANGPTL3 (4.2)	PLG (3.7)
SARS (2.8)	ZNF259 (2.7)	KPNB1 (2.7)	TOMM40 (2.6)	SUGP1 (2.4)
PLEC (2.6)	TRIB1 (2.1)	LIPG (2.1)	FUT1 (2.0)	CELSR2 (1.9)
ZRANB3 (2.7)	ENSG00000226648 (2	DOCK7 (1.9)	MCM6 (1.7)	HNF1A (1.6)
ENSG00000254235 (2	ABCG8 (2.5)	DHODH (2.4)	AMPD2 (2.4)	TM6SF2 (2.3)
EHBP1 (3.0)	SNX17 (2.5)	NRBP1 (2.4)	PVRL2 (2.3)	ATXN1L (1.9)
SLC22A3 (2.4)	OTX1 (2.0)	ABO (1.8)	ENSG00000256731 (1	POLK (1.6)
NRBP1 (3.1)	PSMA5 (2.9)	ERGIC3 (2.8)	SNX17 (2.6)	KPNB1 (2.5)
DHODH (3.2)	DARS (2.7)	DHX38 (2.7)	ATP13A1 (2.6)	C12orf43 (2.4)
ABCA6 (3.1)	GMIP (2.8)	TIMD4 (2.3)	NFE2L3 (1.9)	ZNF513 (1.8)
PCSK9 (3.0)	CBLC (2.4)	NFE2L3 (2.3)	BCAM (2.2)	ST3GAL4 (2.1)

HAVCR1 (2.7)	BCAM (2.4)	GPAM (2.3)	YSK4 (2.1)	ENSG00000231204 (2
ABCA1 (2.6)	SLC22A3 (2.6)	RELB (2.4)	TRIB1 (2.0)	ENSG00000236267 (1
APOC1 (3.0)	SORT1 (2.8)	GPAM (2.7)	YSK4 (2.2)	GDF5 (2.0)
DHODH (3.2)	PCSK9 (3.1)	TOMM40 (2.9)	YIPF2 (2.9)	ERGIC3 (2.5)
ABCA6 (2.4)	TIMD4 (2.1)	CETP (2.1)	GMIP (2.0)	ENSG00000236267 (1
LPAL2 (2.5)	TM6SF2 (2.2)	ABCG8 (2.2)	FGF21 (2.1)	APOA4 (2.0)
PLCG1 (2.4)	FADS2 (2.3)	SLC22A3 (2.0)	NYNRIN (2.0)	SLC44A2 (1.9)
DHX38 (3.2)	C12orf43 (2.9)	ATP13A1 (2.8)	DARS (2.8)	AMPD2 (2.7)
TOMM40 (3.0)	CARM1 (2.9)	GATAD2A (2.7)	DARS (2.7)	DHODH (2.6)
SLC44A2 (2.3)	CBLC (2.2)	ABO (2.1)	KANK2 (2.1)	C17orf57 (2.1)
ENSG00000226806 (2	MAMSTR (2.2)	MYLIP (2.1)	GSTM5 (2.1)	LPIN3 (2.0)
RELB (2.7)	PGS1 (2.6)	ENSG00000228044 (1	TIMD4 (1.7)	MAFB (1.6)
FER1L4 (2.5)	GRINA (2.5)	TOP1 (2.4)	GNAI3 (2.3)	PPM1G (2.1)
OASL (2.5)	CETP (2.3)	PVR (2.1)	PVRL2 (1.8)	TBKBP1 (1.7)
C19orf80 (2.4)	GSTM4 (2.4)	ENSG00000254235 (2	TSSK6 (2.2)	LPA (2.2)
ABCA1 (3.0)	GMIP (2.6)	PLEC (2.4)	NFE2L3 (2.1)	SLC44A2 (2.1)
USP1 (2.6)	NUP93 (2.6)	POLK (2.4)	BUD13 (2.3)	NPEPPS (2.3)
ABCG5 (2.0)	POC5 (2.0)	ENSG00000235545 (2	SORT1 (1.9)	ENSG00000182329 (1
OASL (2.9)	USP24 (2.6)	IST1 (2.6)	NRBP1 (2.5)	SUMO1 (2.4)
GSTM4 (2.0)	MAFB (2.0)	ENSG00000244861 (1	CETP (1.7)	GRINA (1.5)
PSMA5 (2.3)	CARM1 (2.0)	SARS (2.0)	IST1 (1.9)	ATXN7L2 (1.9)
LIPC (2.5)	APOA4 (2.5)	FUT2 (2.2)	ST3GAL4 (2.1)	ABCG8 (2.1)
LPAL2 (2.2)	ENSG00000256731 (2	GDF5 (2.1)	PLCG1 (2.0)	ENSG00000236436 (1
APOE (2.6)	ABCA6 (2.3)	C17orf57 (2.3)	MYLIP (2.3)	APOC1 (2.2)
ATXN7L2 (2.1)	SMARCA4 (2.1)	BMPR2 (2.1)	GCKR (2.0)	LDLR (1.7)
GMIP (2.0)	RASIP1 (1.9)	ENSG00000254235 (1	MAFB (1.8)	FUT1 (1.7)
FUT2 (3.3)	ATP13A1 (3.1)	ST3GAL4 (2.4)	CLPTM1 (2.3)	HNF4A (1.9)
SUMO1 (2.5)	NFE2L3 (2.4)	NRBP1 (2.2)	ERGIC3 (1.7)	PPM1G (1.5)
SLC22A3 (2.2)	MYLIP (1.9)	ABCA5 (1.8)	RELB (1.8)	GMIP (1.8)
RASIP1 (2.9)	CBLC (2.4)	DOCK6 (2.2)	KANK2 (2.0)	C11orf9 (1.9)
SORT1 (3.0)	SYPL2 (2.4)	ST3GAL4 (2.3)	LDLR (2.3)	MAU2 (2.1)
DARS (3.0)	TOP1 (2.8)	PPM1G (2.7)	DHX38 (2.4)	DHODH (2.3)
PLG (3.4)	HMGCR (3.2)	FADS1 (3.1)	ANGPTL3 (3.0)	APOC4 (2.8)
PLG (3.4)	HMGCR (3.2)	FADS1 (3.1)	ANGPTL3 (3.0)	APOC4 (2.8)
PVRL2 (2.0)	MAP3K4 (1.9)	ATXN7L2 (1.8)	POLK (1.6)	NPEPPS (1.6)
RASIP1 (2.8)	CILP2 (2.8)	APOE (2.6)	BCAM (2.5)	IGF2R (2.5)
PVR (2.5)	LDLR (2.0)	RASIP1 (1.9)	RELB (1.9)	PLCG1 (1.8)
PVR (2.5)	CLPTM1 (2.5)	NFE2L3 (2.3)	GRINA (1.9)	LPAR2 (1.9)
ST3GAL4 (1.9)	ENSG00000231204 (1	ENSG00000226645 (1	ENSG00000256731 (1	C11orf9 (1.4)
ENSG00000236436 (2	TM6SF2 (1.9)	ENSG00000254235 (1	CELSR2 (1.9)	YIPF2 (1.7)
PPM1G (3.2)	NOP58 (3.0)	CARM1 (2.9)	TOP1 (2.8)	DHX38 (2.6)
PPM1G (3.2)	NOP58 (3.0)	CARM1 (2.9)	TOP1 (2.8)	DHX38 (2.6)
PPM1G (3.2)	NOP58 (3.0)	CARM1 (2.9)	TOP1 (2.8)	DHX38 (2.6)
ERGIC3 (3.5)	PCSK9 (3.1)	IST1 (3.0)	GNAI3 (2.9)	FADS2 (2.7)
DHODH (3.0)	DARS (3.0)	AMPD2 (2.9)	C12orf43 (2.4)	SUGP1 (2.3)
CETP (2.3)	TRIB1 (2.3)	ENSG00000226648 (2	POLK (2.1)	GRINA (2.1)
HAVCR1 (2.2)	USP1 (2.0)	TOP1 (2.0)	PVRL2 (1.9)	ZNF821 (1.7)
PVRL2 (2.6)	TRAM2 (2.4)	ENSG00000226645 (2	CILP2 (2.0)	ENSG00000254235 (1
RASIP1 (1.9)	EHBP1 (1.9)	ENSG00000226645 (1	BMPR2 (1.6)	KANK2 (1.5)
SLC22A3 (1.8)	PVRL2 (1.8)	ENSG00000244861 (1	ABCA5 (1.8)	ABCG5 (1.7)

LPA (2.1)	ENSG00000235545 (2	ABO (2.0)	OBP2B (1.9)	GOT2P1 (1.8)
POLK (1.4)	NFE2L3 (1.3)	CYB561D1 (1.3)	ENSG00000236267 (1	ABCA1 (1.1)
GOT2P1 (2.5)	IFT172 (2.2)	SYPL2 (2.1)	NPEPPS (2.1)	C19orf80 (2.0)
APOC3 (3.2)	HP (3.0)	LIPC (3.0)	C19orf80 (2.7)	APOC4 (2.7)
FADS2 (7.7)	PCSK9 (5.9)	LIPG (4.1)	GRINA (2.5)	TOP1 (2.3)
NCAN (2.6)	CYP26A1 (2.6)	C11orf9 (2.4)	C17orf57 (2.4)	ZHX3 (2.0)
MAFB (2.0)	LIPG (1.9)	IZUMO1 (1.9)	PVR (1.8)	ENSG00000228044 (1
KPNB1 (2.9)	PPM1G (2.9)	SNX17 (2.8)	TOMM40 (2.7)	SARS (2.5)
GRINA (2.8)	ST3GAL4 (2.7)	NRBP1 (2.6)	FUT2 (2.3)	PLEC (2.2)
BMPR2 (2.1)	RASIP1 (2.1)	GSTM5 (2.0)	DOCK6 (1.8)	GDF5 (1.8)
ABCA6 (2.4)	TIMD4 (2.4)	BMPR2 (2.2)	CETP (2.2)	ENSG00000236267 (1
GRINA (2.1)	MAFB (2.0)	PGS1 (1.8)	HP (1.7)	GMIP (1.5)
CETP (3.0)	MAFB (3.0)	GMIP (2.4)	APOC1 (2.1)	KRTCAP3 (2.0)
FNDC4 (2.1)	HP (2.0)	GRINA (1.9)	TIMD4 (1.9)	FADS2 (1.7)
LPAR2 (2.8)	CYP26A1 (2.6)	PLCG1 (2.5)	CELSR2 (2.5)	DOCK6 (2.4)
CBLC (2.4)	AMIGO1 (2.4)	BCAM (2.3)	GPR61 (2.3)	FGF21 (2.1)
ENSG00000244861 (2	OTX1 (1.8)	LPAR2 (1.8)	ENSG00000254235 (1	ATXN7L2 (1.7)
IGF2R (2.2)	ATXN1L (1.9)	ATP13A1 (1.9)	MAU2 (1.7)	SLC44A2 (1.7)
FUT1 (2.4)	MYLIP (2.3)	GMIP (2.1)	CYB561D1 (2.0)	PLEC (2.0)
ENSG00000226806 (1	RELB (1.8)	PVR (1.5)	DNAH11 (1.5)	SLC22A1 (1.5)
DOCK7 (2.1)	LIPG (2.0)	PVRL2 (2.0)	AMIGO1 (1.9)	TRAM2 (1.8)
ABCA6 (2.1)	ZNF513 (2.1)	GRINA (2.0)	TRIB1 (1.9)	PARP10 (1.8)
ANGPTL3 (3.1)	GSTM4 (3.0)	APOA5 (2.5)	SLC22A2 (2.5)	PLG (2.5)
ANGPTL3 (3.1)	GSTM4 (3.0)	APOA5 (2.5)	SLC22A2 (2.5)	PLG (2.5)
ENSG00000244861 (2	OASL (2.2)	C17orf57 (2.2)	GOT2P1 (2.2)	PARP10 (2.0)
CEP250 (2.2)	ABCA1 (2.1)	PBX4 (1.9)	HAVCR1 (1.8)	APOC1 (1.8)
APOA5 (3.5)	SLC22A1 (3.3)	ABCG8 (3.2)	LPA (2.9)	GCKR (2.9)
DARS (3.1)	PSMA5 (2.9)	FADS2 (2.7)	NOP58 (2.7)	SMARCA4 (2.7)
SPATC1 (2.9)	ENSG00000244861 (2	TRIB1 (2.2)	ENSG00000231204 (1	OTX1 (1.9)
LIPG (3.3)	ENSG00000235545 (2	FADS1 (2.8)	FADS2 (2.7)	YSK4 (2.7)
ENSG00000244861 (2	HMGCR (2.2)	NRBP1 (2.2)	CARM1 (2.2)	SNX17 (2.1)
APOC4 (3.4)	APOA5 (3.3)	RP1 (2.7)	GCKR (2.4)	TM6SF2 (2.3)
GOT2P1 (2.6)	DNAH11 (2.5)	ENSG00000244861 (2	ABCA5 (2.4)	DARS (2.3)
OASL (3.0)	PVRL2 (2.8)	CETP (2.6)	NFE2L3 (2.4)	FUT2 (1.9)
GMIP (2.9)	MAU2 (2.9)	DHX38 (2.5)	GSTM5 (2.4)	GDF5 (2.3)
ABCA1 (2.2)	ABCA5 (2.1)	APOC4 (2.0)	C19orf80 (1.9)	EHBP1 (1.9)
ENSG00000236267 (2	MAFB (2.4)	ENSG00000254235 (2	CELSR2 (2.0)	BCAM (1.9)
DOCK6 (2.6)	LPL (2.3)	CELSR2 (2.3)	DOCK7 (2.2)	EHBP1 (2.1)
ENSG00000256731 (2	TIMD4 (2.5)	CETP (2.2)	BMPR2 (2.0)	ABCA5 (1.8)
OASL (2.1)	GMIP (1.9)	MAFB (1.8)	ABCA1 (1.7)	TIMD4 (1.5)
FUT1 (2.8)	PLEC (2.4)	SNX17 (2.3)	SLC44A2 (2.1)	EHBP1 (2.1)
SLC22A3 (2.3)	TIMD4 (2.1)	ENSG00000256731 (2	NFE2L3 (2.1)	GMIP (2.0)
USP24 (2.1)	GMIP (2.1)	LPAR2 (2.0)	MAU2 (2.0)	GATAD2A (2.0)
ABCA6 (2.4)	TIMD4 (2.4)	CETP (2.0)	BMPR2 (2.0)	GMIP (1.9)
LDLR (3.6)	FADS2 (3.4)	HMGCR (3.1)	ABCG8 (3.0)	ST3GAL4 (2.9)
PVR (2.7)	ENSG00000226645 (2	LIPG (2.5)	R3HDM1 (2.4)	PVRL2 (2.0)
POC5 (2.1)	ERGIC3 (2.0)	DHODH (2.0)	BUD13 (2.0)	TRAM2 (2.0)
BCAM (2.0)	ENSG00000228044 (1	HNF1A (1.6)	LPAR2 (1.6)	IGF2R (1.6)
IGF2R (2.7)	NYNRIN (2.7)	TRAM2 (2.6)	MAFB (2.4)	LPL (2.3)
CELSR2 (2.8)	OBP2B (2.7)	C19orf80 (2.5)	HAVCR1 (2.3)	C17orf57 (2.2)

AMPD2 (3.3)	DHODH (3.1)	C12orf43 (3.0)	DARS (2.9)	PPM1G (2.8)
PLG (4.0)	APOE (3.9)	APOA5 (3.6)	PCSK9 (3.6)	APOC1 (3.4)
BUD13 (1.8)	PCSK9 (1.6)	NFE2L3 (1.5)	ABO (1.5)	KPNB1 (1.4)
APOE (2.7)	CBLC (2.3)	IGF2R (2.3)	DOCK6 (2.3)	CELSR2 (2.3)
C17orf57 (2.2)	YSK4 (2.2)	FER1L4 (2.2)	PVRL2 (2.1)	POLK (2.0)
ATP13A1 (3.0)	CLPTM1 (2.8)	ABCA5 (2.5)	ABCG8 (2.4)	ANGPTL3 (2.4)
ZHX3 (2.4)	KANK2 (2.3)	SMARCA4 (2.3)	PSRC1 (2.2)	DOCK6 (2.2)
PLG (3.2)	ENSG00000256731 (3	APOC4 (3.1)	ENSG00000228044 (3	PCSK9 (3.0)
IGF2R (1.9)	NYNRIN (1.7)	CELSR2 (1.6)	ABCA1 (1.6)	FNDC4 (1.5)
DARS (3.3)	ATP13A1 (2.6)	KPNB1 (2.5)	AMPD2 (2.4)	PPM1G (2.4)
ABCA5 (2.3)	C19orf80 (2.2)	PCSK9 (2.0)	LPIN3 (2.0)	GRINA (2.0)
TIMD4 (3.1)	LPAL2 (3.0)	APOC4 (2.5)	APOE (2.5)	GCKR (2.4)
DHODH (2.4)	ZRANB3 (2.2)	TOMM40 (2.1)	BUD13 (1.9)	ATXN1L (1.9)
LPIN3 (2.0)	HNF1A (1.9)	TIMD4 (1.9)	HNF4A (1.9)	LPL (1.8)
NFE2L3 (1.3)	RELB (1.3)	IZUMO1 (1.3)	ENSG00000228044 (1	TRIB1 (1.2)
RASIP1 (2.0)	ABO (1.9)	TSSK6 (1.8)	BCAM (1.7)	AMPD2 (1.7)
ABCA6 (2.4)	TRIB1 (2.2)	EHBP1 (2.1)	PLEC (1.9)	APOB (1.9)
IGF2R (2.6)	BCAM (2.2)	DOCK6 (2.2)	LPL (2.1)	PVRL2 (2.0)
GRINA (2.8)	CLPTM1 (2.7)	GMIP (2.5)	ZNF513 (2.2)	NFE2L3 (2.2)
NOP58 (3.0)	TOP1 (2.9)	KPNB1 (2.7)	NUP93 (2.6)	PPM1G (2.6)
YIPF2 (2.0)	SLC22A3 (2.0)	GPAM (1.9)	DOCK7 (1.9)	ENSG00000228044 (1
PGS1 (2.1)	DOCK6 (2.1)	KANK2 (2.1)	CARM1 (2.0)	FUT1 (1.9)
TRIB1 (2.7)	PARP10 (2.7)	NFE2L3 (2.5)	ST3GAL4 (2.5)	LPAL2 (2.5)
OTX1 (2.3)	NYNRIN (2.2)	TRIB1 (1.9)	EHBP1 (1.8)	IGF2R (1.8)
ENSG00000244861 (1	MYLIP (1.9)	DNAH11 (1.9)	PLCG1 (1.7)	ENSG00000236267 (1
YSK4 (2.7)	GATAD2A (2.7)	TRIB1 (2.4)	CYP26A1 (2.2)	IFT172 (2.1)
SARS (2.5)	AMPD2 (2.2)	GATAD2A (2.1)	DARS (2.1)	DNAH11 (2.0)
DHODH (3.2)	DARS (2.8)	AMPD2 (2.7)	PPM1G (2.6)	DHX38 (2.5)
MAU2 (2.6)	TOMM40 (2.4)	CLPTM1 (2.4)	SUGP1 (2.2)	MAMSTR (2.1)
KPNB1 (2.2)	RELB (2.1)	GNAI3 (2.1)	ABCA5 (2.0)	ABO (2.0)
LPAR2 (2.0)	PMFBP1 (1.9)	ST3GAL4 (1.8)	LPIN3 (1.8)	GATAD2A (1.7)
NUP93 (2.7)	SARS (2.3)	UBXN4 (2.2)	PPM1G (2.2)	ATP13A1 (2.2)
ENSG00000182329 (2	ABCG5 (2.0)	SORT1 (2.0)	POC5 (2.0)	DNAH11 (1.9)
ENSG00000182329 (2	ABCG5 (2.0)	SORT1 (2.0)	POC5 (2.0)	DNAH11 (1.9)
R3HDM1 (3.3)	COL4A3BP (2.3)	SNX17 (2.3)	YIPF2 (2.2)	POLK (2.1)
ENSG00000226622 (2	ENSG00000231204 (2	ABCA6 (2.1)	TIMD4 (2.1)	HP (2.0)
RELB (2.5)	PARP10 (2.1)	FGF21 (2.1)	MAFB (1.8)	PGS1 (1.8)
LPL (2.4)	KRTCAP3 (2.2)	MAFB (2.1)	TIMD4 (2.0)	ST3GAL4 (1.7)
PARP10 (2.4)	UBXN4 (2.2)	LPAR2 (2.1)	NRBP1 (1.9)	SLC22A1 (1.9)
PARP10 (2.5)	TM6SF2 (2.3)	SPATC1 (2.1)	ABCG8 (2.1)	CBLC (2.1)
NYNRIN (1.9)	ENSG00000254235 (1	ENSG00000256731 (1	DOCK6 (1.8)	CYP26A1 (1.7)
PVRL2 (3.1)	KRTCAP3 (2.4)	ST3GAL4 (1.9)	CELSR2 (1.9)	TRAM2 (1.8)
DOCK7 (2.2)	CBLC (2.1)	COL4A3BP (1.9)	NPEPPS (1.8)	ATXN1L (1.7)
ENSG00000235545 (2	ABCG8 (2.1)	APOA4 (2.1)	FER1L4 (2.0)	EHBP1 (1.9)
ATP13A1 (2.9)	MAU2 (2.8)	KPNB1 (2.8)	GATAD2A (2.7)	UBXN4 (2.5)
DOCK7 (2.3)	ENSG00000235545 (2	RP1 (2.1)	SORT1 (2.0)	C11orf9 (1.9)
FUT1 (2.6)	PGS1 (2.5)	RELB (2.4)	TRIB1 (2.2)	ENSG00000236267 (2
MAMSTR (3.0)	LPL (2.7)	PLEC (2.1)	TRAM2 (2.0)	GDF5 (1.8)
RASIP1 (2.9)	KANK2 (2.5)	DOCK6 (2.2)	PVR (2.0)	TRIM54 (1.9)
LDLR (2.4)	MAFB (2.2)	TOP1 (2.0)	GATAD2A (2.0)	NPEPPS (2.0)

ABCA1 (2.3)	RELB (2.2)	MAFB (1.9)	TRIB1 (1.7)	GMIP (1.3)
LPL (2.3)	RELB (2.1)	PLEC (2.1)	FER1L4 (2.1)	CETP (2.0)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
ABCA6 (2.5)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (2.0)	GMIP (1.9)
SNX17 (2.5)	NUP93 (2.1)	GRINA (2.0)	MAP3K4 (1.9)	PPM1G (1.9)
ENSG00000226645 (2	ABCA6 (2.2)	KRTCAP3 (2.1)	CEP250 (2.0)	GSTM5 (2.0)
SMARCA4 (2.4)	PGS1 (2.4)	BUD13 (2.3)	MAU2 (2.2)	CEP250 (2.1)
SMARCA4 (2.4)	PGS1 (2.4)	BUD13 (2.3)	MAU2 (2.2)	CEP250 (2.1)
PVRL2 (2.5)	DOCK6 (2.2)	KANK2 (2.1)	ABCA1 (2.0)	BCAM (1.9)
SMARCA4 (3.2)	USP1 (3.1)	PPM1G (3.0)	TOMM40 (2.8)	DHX38 (2.7)
ENSG00000256731 (2	C19orf52 (2.3)	SLC44A2 (2.2)	ATP13A1 (1.9)	DHODH (1.7)
YIPF2 (2.0)	COL4A3BP (1.8)	C19orf80 (1.8)	FUT2 (1.7)	SMARCA4 (1.6)
ABCG5 (5.4)	LCT (5.4)	APOC3 (3.4)	APOB (3.1)	HAPLN4 (2.1)
SLC22A1 (2.6)	ST3GAL4 (2.6)	C19orf80 (2.5)	APOA5 (2.5)	PVR (2.5)
DHODH (2.9)	C12orf43 (2.9)	AMPD2 (2.8)	DHX38 (2.7)	SUGP1 (2.6)
DNAH11 (2.5)	OBP2B (2.5)	ABO (2.4)	ST3GAL4 (2.4)	NYNRIN (2.0)
HNF1A (3.3)	TM6SF2 (2.9)	C11orf9 (2.7)	HNF4A (2.6)	APOB (2.5)
LPA (3.2)	ABCA6 (3.2)	GSTM4 (3.1)	TM6SF2 (2.8)	APOA4 (2.6)
PARP10 (2.3)	PGS1 (2.0)	CETP (2.0)	HP (2.0)	TOP1 (1.9)
PVR (2.7)	MAFB (2.7)	ABCG8 (2.5)	ZNF513 (1.8)	ABCG5 (1.8)
TM6SF2 (2.3)	KRTCAP3 (2.1)	MYLIP (2.1)	ENSG00000231204 (2	FUT1 (2.0)
DARS (2.6)	AMPD2 (2.4)	SMARCA4 (2.3)	CLPTM1 (2.2)	TOMM40 (2.0)
ABCA5 (2.3)	LPAL2 (2.3)	ENSG00000231204 (2	SPATC1 (1.8)	SYPL2 (1.7)
ENSG00000231204 (2	CBLC (1.8)	RASIP1 (1.6)	POLK (1.5)	KRTCAP3 (1.4)
C17orf57 (2.3)	PGS1 (2.2)	LPAR2 (2.2)	GNAI3 (2.1)	KRTCAP3 (1.9)
ENSG00000226645 (2	DNAH11 (2.4)	ENSG00000226806 (2	ENSG00000228044 (2	ENSG00000226622 (2
LCT (3.0)	LPL (3.0)	TM6SF2 (2.9)	ABCG5 (2.7)	APOB (2.6)
LCT (3.0)	LPL (3.0)	TM6SF2 (2.9)	ABCG5 (2.7)	APOB (2.6)
LCT (3.0)	LPL (3.0)	TM6SF2 (2.9)	ABCG5 (2.7)	APOB (2.6)
SORT1 (2.4)	GDF5 (2.3)	OTX1 (2.3)	LPAR2 (2.1)	PVRL2 (2.0)
ABCA5 (2.2)	CYP26A1 (2.0)	PSRC1 (2.0)	IFT172 (2.0)	BMPR2 (2.0)
LPL (2.5)	TRAM2 (2.2)	APOE (2.2)	DOCK6 (2.0)	RASIP1 (1.7)
TRIB1 (2.2)	SLC44A2 (1.9)	USP24 (1.8)	SORT1 (1.8)	HNF4A (1.7)
ENSG00000244861 (1	PARP10 (1.8)	PBX4 (1.8)	ABCA1 (1.7)	PGS1 (1.7)
TOMM40 (2.6)	ATP13A1 (2.4)	RAB3GAP1 (2.4)	NUP93 (2.3)	IST1 (2.2)
PLEC (2.5)	SYPL2 (2.4)	COL4A3BP (2.3)	SLC44A2 (2.1)	DNAH11 (2.1)
C11orf9 (2.9)	PLEC (2.8)	IGF2R (2.5)	COL4A3BP (2.4)	LPAR2 (2.4)
LPIN3 (2.7)	TIMD4 (2.7)	ABCA5 (2.7)	ENSG00000254235 (2	ABCA6 (2.4)

CETP (2.3)	HP (2.2)	GRINA (2.0)	OASL (1.8)	RELB (1.8)
RASIP1 (1.9)	KRTCAP3 (1.6)	FGF21 (1.4)	COL4A3BP (1.4)	HAVCR1 (1.4)
RELB (2.3)	GMIP (2.3)	ABCA1 (1.8)	ATP13A1 (1.7)	POLK (1.4)
TRAM2 (2.3)	NFE2L3 (2.3)	ERGIC3 (2.0)	YIPF2 (1.9)	ABCA5 (1.5)
ENSG00000236267 (2	LDLR (2.4)	ENSG00000256731 (2	CELSR2 (2.2)	APOC4 (2.0)
CETP (2.8)	SLC22A3 (2.1)	ABCA1 (2.0)	ABCA6 (1.8)	PVR (1.8)
APOA4 (2.8)	LPIN3 (2.6)	TSSK6 (2.4)	AMPD2 (2.4)	ABCG5 (2.3)
TBKBP1 (2.1)	ENSG00000228044 (1	MAFB (1.8)	ZNF821 (1.8)	GPR61 (1.7)
APOB (4.8)	LIPC (4.6)	APOA5 (4.4)	APOC4 (4.1)	C19orf80 (3.7)
ST3GAL4 (2.8)	CYB561D1 (2.5)	ABCA6 (2.4)	GRINA (2.2)	RELB (2.1)
NFE2L3 (2.1)	OTX1 (1.9)	GCKR (1.9)	PBX4 (1.9)	NYNRIN (1.9)
SMARCA4 (3.5)	NUP93 (3.3)	ATP13A1 (3.1)	ATXN1L (2.6)	CARM1 (2.5)
GDF5 (2.2)	LCT (2.2)	LPAL2 (2.2)	CYP26A1 (1.9)	CELSR2 (1.8)
ZNF513 (2.8)	CYB561D1 (2.2)	GRINA (2.1)	PGS1 (2.0)	RELB (1.9)
BMPR2 (2.6)	LPAR2 (2.5)	FADS1 (2.4)	PCSK9 (2.2)	FUT2 (2.1)
OBP2B (2.7)	ABO (2.6)	YSK4 (2.5)	FNDC4 (2.5)	ST3GAL4 (2.5)
ABCA5 (2.8)	APOA4 (2.6)	ABCG5 (2.4)	GRINA (2.3)	HAPLN4 (2.3)
GRINA (2.2)	TRIB1 (2.1)	CYB561D1 (2.0)	PARP10 (2.0)	PMFBP1 (1.9)
HNF4A (3.1)	SLC22A1 (2.9)	DHODH (2.7)	APOA5 (2.5)	FUT1 (2.4)
MAP3K4 (2.6)	SLC22A3 (2.5)	GRINA (2.4)	GSTM4 (2.3)	GMIP (2.3)
ABCA6 (1.8)	MAFB (1.7)	GDF5 (1.7)	ENSG00000226648 (1	CYP26A1 (1.5)
NOP58 (2.0)	DHODH (1.8)	KPNB1 (1.7)	GATAD2A (1.7)	FUT2 (1.7)
APOC1 (2.9)	APOE (2.7)	ABCA1 (2.7)	MYLIP (2.5)	LCT (2.5)
FADS2 (3.3)	FADS1 (3.2)	PLEC (2.3)	FUT1 (2.1)	LPAR2 (2.0)
CETP (2.4)	ABCA6 (2.4)	NFE2L3 (2.3)	SLC22A3 (2.2)	ABCA5 (1.9)
FADS1 (6.6)	PCSK9 (5.6)	LIPG (2.8)	BUD13 (2.1)	CYP26A1 (1.7)
LDLR (4.4)	HMGCR (4.4)	LIPG (3.2)	LPA (3.2)	TM6SF2 (2.6)
TM6SF2 (2.4)	LIPC (2.3)	ATXN7L2 (2.2)	LPA (1.9)	C11orf9 (1.9)
C11orf9 (2.3)	APOE (2.1)	PARP10 (2.0)	LPL (1.9)	FGF21 (1.7)
ENSG00000231204 (2	GRINA (2.2)	USP24 (2.1)	NRBP1 (2.0)	POLK (1.8)
APOE (2.4)	ST3GAL4 (2.4)	TRAM2 (2.0)	C17orf57 (2.0)	PLEC (2.0)
OASL (2.1)	KRTCAP3 (1.8)	PARP10 (1.7)	GOT2P1 (1.7)	ST3GAL4 (1.5)
PSMA5 (2.2)	TM6SF2 (2.1)	PGS1 (2.1)	UBXN4 (2.0)	ENSG00000236267 (1
POC5 (2.4)	PPM1G (1.9)	ZRANB3 (1.9)	AMPD2 (1.9)	MCM6 (1.8)
MAU2 (2.5)	MYLIP (2.3)	OBP2B (2.2)	GMIP (2.0)	POLK (1.9)
PARP10 (2.2)	PBX4 (2.2)	NFE2L3 (2.2)	SLC44A2 (1.8)	LIPC (1.8)
GDF5 (2.3)	PVRL2 (2.2)	LPAR2 (2.1)	NFE2L3 (2.0)	OTX1 (1.8)
MAP3K4 (2.7)	BUD13 (2.6)	MCM6 (2.2)	FEN1 (2.2)	CARM1 (2.1)
NFE2L3 (2.9)	SARS (2.6)	KPNB1 (2.4)	PPM1G (2.1)	NRBP1 (2.1)
PBX4 (2.7)	COL4A3BP (2.3)	FGF21 (2.1)	CELSR2 (2.0)	FUT2 (2.0)
ABCA6 (2.6)	TIMD4 (2.1)	CETP (2.1)	BMPR2 (1.9)	ENSG00000236267 (1
FGF21 (2.8)	TRAM2 (2.1)	IFT172 (1.9)	AMPD2 (1.9)	NRBP1 (1.9)
DHX38 (2.7)	ATP13A1 (2.4)	TRAM2 (2.4)	MCM6 (2.3)	KPNB1 (2.2)
ENSG00000256731 (2	ABCA6 (2.1)	ABCA1 (2.0)	ABCA5 (1.9)	CETP (1.9)
ENSG00000235545 (2	FNDC4 (2.1)	ATXN7L2 (2.1)	ERGIC3 (1.9)	GSTM5 (1.9)
NOP58 (3.4)	TOMM40 (3.1)	KPNB1 (3.0)	DHX38 (2.9)	AMPD2 (2.8)
NFE2L3 (2.2)	GMIP (2.2)	PBX4 (2.2)	TRAM2 (2.0)	ABCA1 (1.9)
OASL (2.1)	CETP (1.9)	SLC22A3 (1.9)	PVR (1.8)	SLC22A1 (1.7)
TIMD4 (2.4)	ABCA6 (2.4)	ABCA5 (2.2)	GMIP (2.2)	BMPR2 (2.1)
GDF5 (2.0)	YIPF2 (1.9)	MYLIP (1.9)	NYNRIN (1.8)	AMPD2 (1.6)

NUP93 (2.9)	SNX17 (2.3)	KPNB1 (2.2)	PPM1G (2.1)	NRBP1 (1.9)
APOC1 (2.4)	KRTCAP3 (2.2)	PLEC (1.9)	MYLIP (1.9)	R3HDM1 (1.9)
PSRC1 (2.5)	DOCK7 (2.4)	PVRL2 (2.4)	BCAM (2.0)	LIPG (2.0)
ABCA1 (2.7)	MAFB (2.3)	FER1L4 (2.2)	PLCG1 (1.9)	SARS (1.9)
RAB3GAP1 (1.9)	TRAM2 (1.8)	LPIN3 (1.8)	APOC3 (1.7)	LIPC (1.7)
ABCA6 (2.5)	TIMD4 (2.2)	CETP (2.1)	BMPR2 (2.0)	GMIP (1.9)
APOE (2.9)	DARS (2.3)	RP1 (2.2)	DOCK7 (2.0)	CETP (1.8)
C11orf9 (2.3)	GSTM5 (2.2)	HNF1A (2.1)	LPAR2 (2.0)	ENSG00000226622 (1
SMARCA4 (2.6)	FADS1 (2.2)	NOP58 (2.0)	LDLR (1.9)	GNAI3 (1.9)
GMIP (2.5)	GDF5 (2.4)	SMARCA4 (2.0)	AMPD2 (1.9)	IGF2R (1.9)
GMIP (2.5)	GDF5 (2.4)	SMARCA4 (2.0)	AMPD2 (1.9)	IGF2R (1.9)
ZHX3 (2.9)	BMPR2 (2.8)	RAB3GAP1 (2.6)	IGF2R (2.5)	C11orf9 (2.2)
FNDC4 (1.8)	HAPLN4 (1.7)	ENSG00000244861 (1	ABCA6 (1.6)	GDF5 (1.6)
PVRL2 (2.4)	RASIP1 (2.2)	GDF5 (2.0)	ENSG00000228044 (1	SLC22A2 (1.9)
PARP10 (1.9)	GRINA (1.8)	ZNF513 (1.8)	PGS1 (1.5)	IST1 (1.4)
PCSK9 (3.5)	LPL (3.1)	LDLR (3.0)	HMGCR (2.6)	C19orf80 (2.5)
FEN1 (1.9)	SLC44A2 (1.9)	ENSG00000228044 (1	ENSG00000182329 (1	ZRANB3 (1.7)
TRAM2 (2.6)	UBXN4 (2.1)	CLPTM1 (2.1)	FUT2 (2.0)	ST3GAL4 (1.9)
LPL (2.1)	AMIGO1 (2.0)	IZUMO1 (2.0)	CLPTM1 (2.0)	ABCA5 (2.0)
RELB (2.5)	GATAD2A (2.3)	C11orf9 (2.1)	SLC44A2 (2.1)	RASIP1 (2.0)
FUT1 (2.3)	TM6SF2 (2.1)	HNF4A (2.0)	C19orf80 (1.9)	ABCG5 (1.9)
TBKBP1 (2.0)	MAMSTR (1.9)	PBX4 (1.9)	C19orf80 (1.7)	AMPD2 (1.7)
NYNRIN (2.3)	LIPG (2.1)	PVRL2 (2.1)	DOCK6 (1.9)	MAFB (1.8)
ABCG8 (4.0)	TM6SF2 (4.0)	LPAL2 (4.0)	GSTM4 (3.9)	GCKR (3.9)
ABCG8 (4.0)	TM6SF2 (4.0)	LPAL2 (4.0)	GSTM4 (3.9)	GCKR (3.9)
FADS2 (12.7)	PCSK9 (10.2)	LIPG (5.6)	GPAM (2.0)	C19orf80 (1.7)
ABCA1 (2.0)	NFE2L3 (1.9)	PGS1 (1.8)	GMIP (1.8)	GRINA (1.7)
CELSR2 (2.8)	BCAM (2.8)	PVRL2 (2.4)	LPIN3 (2.4)	FUT1 (2.2)
MAMSTR (2.2)	SYPL2 (2.0)	CLPTM1 (1.9)	TRIB1 (1.8)	GSTM4 (1.8)
ABCA6 (2.6)	TIMD4 (2.3)	CETP (2.2)	BMPR2 (1.9)	ABCA5 (1.9)
ABCG8 (4.1)	LPAL2 (4.1)	TM6SF2 (4.0)	GCKR (3.9)	GSTM4 (3.9)
FEN1 (3.4)	POC5 (3.3)	NUP93 (3.0)	USP1 (2.7)	ZRANB3 (2.4)
DHX38 (2.9)	DHODH (2.8)	ATP13A1 (2.7)	AMPD2 (2.7)	DARS (2.4)
PGS1 (2.6)	CLPTM1 (1.7)	GRINA (1.7)	C19orf80 (1.7)	RASIP1 (1.7)
C17orf57 (2.4)	ENSG00000231204 (2	FER1L4 (1.7)	TRIB1 (1.6)	GSTM5 (1.6)
KPNB1 (3.0)	MCM6 (2.6)	MAP3K4 (2.6)	FEN1 (2.4)	DOCK7 (2.3)
NFE2L3 (3.0)	TOMM40 (2.8)	NRBP1 (2.8)	SARS (2.1)	SNX17 (2.1)
ABCA1 (2.4)	NFE2L3 (2.2)	FER1L4 (2.2)	LPL (2.1)	C11orf9 (2.0)
C11orf9 (2.3)	SLC22A2 (2.2)	KANK2 (1.9)	ENSG00000226622 (1	MYLIP (1.8)
KANK2 (2.6)	PLEC (2.5)	COL4A3BP (2.5)	ZHX3 (2.4)	IGF2R (2.4)
PPM1G (2.8)	PSMA5 (2.7)	TOMM40 (2.5)	SNX17 (2.4)	SUGP1 (2.3)
FADS2 (7.1)	PCSK9 (6.6)	GRINA (2.3)	C19orf80 (2.2)	GPAM (2.2)
NUP93 (2.9)	USP1 (2.6)	POC5 (2.6)	KPNB1 (2.5)	MAP3K4 (2.5)
ABCA1 (2.5)	MYLIP (2.2)	TRIB1 (2.1)	GDF5 (1.9)	C17orf57 (1.9)
COL4A3BP (2.5)	RP1 (2.4)	C19orf80 (2.4)	RAB3GAP1 (2.3)	APOE (2.3)
TRIB1 (2.7)	MAMSTR (2.6)	IGF2R (2.5)	PVR (2.2)	CYP26A1 (2.1)
TM6SF2 (2.5)	YSK4 (2.5)	ABCG5 (2.3)	CBLC (2.1)	ENSG00000236267 (2
GMIP (2.8)	GDF5 (2.5)	OBP2B (2.3)	RELB (2.0)	GSTM5 (2.0)
RASIP1 (2.3)	ABCA1 (2.2)	APOE (2.2)	GMIP (2.0)	LIPG (2.0)
C19orf80 (2.8)	R3HDM1 (2.7)	ABCA5 (2.6)	ENSG00000254235 (2	AMIGO1 (2.4)

LPAR2 (2.6)	TRAM2 (2.4)	NYNRIN (2.2)	YIPF2 (2.1)	MYLIP (1.9)
FNDC4 (3.5)	FGF21 (2.9)	HAPLN4 (2.6)	FUT1 (2.4)	HP (2.4)
NPEPPS (2.0)	ATXN7L2 (1.9)	FUT1 (1.9)	DOCK7 (1.8)	CELSR2 (1.7)
IGF2R (2.5)	USP24 (2.4)	APOE (2.3)	MYLIP (2.2)	TIMD4 (2.2)
ATXN7L2 (2.7)	APOE (2.7)	TIMD4 (2.6)	ABCG8 (2.6)	LCT (2.5)
LPAR2 (2.9)	PLEC (2.6)	DOCK6 (2.5)	BCAM (2.3)	KANK2 (2.1)
LPIN3 (2.2)	GDF5 (1.9)	PMFBP1 (1.7)	ATXN7L2 (1.7)	HAPLN4 (1.5)
APOC4 (3.4)	GCKR (3.4)	APOA5 (3.4)	PCSK9 (3.3)	HP (3.0)
ABCG8 (2.5)	DOCK6 (2.4)	ABCA1 (2.2)	FUT1 (2.1)	PVRL2 (2.0)
ATP13A1 (2.8)	AMPD2 (2.8)	DARS (2.7)	DHODH (2.5)	USP24 (2.4)
OBP2B (2.4)	ABO (2.3)	MAU2 (2.2)	SUGP1 (2.2)	ABCA1 (1.7)
GNAI3 (2.6)	GATAD2A (2.6)	SUGP1 (2.0)	TOMM40 (1.9)	KPNB1 (1.9)
ZNF259 (3.5)	ATP13A1 (3.4)	NUP93 (3.3)	USP24 (3.1)	SUGP1 (2.7)
KPNB1 (2.8)	GNAI3 (2.6)	TOMM40 (2.6)	PVR (2.3)	C12orf43 (2.1)
LIPC (4.1)	APOC1 (3.9)	PLG (3.6)	ABCG5 (3.4)	APOA5 (3.2)
FUT1 (2.7)	PLCG1 (2.5)	PLEC (2.4)	ATXN1L (2.3)	ZNF513 (2.2)
ENSG00000226645 (2	ENSG00000254235 (2	MAFB (2.1)	DOCK6 (2.1)	ABCA1 (2.1)
KANK2 (2.4)	HNF4A (2.1)	MAMSTR (2.1)	RASIP1 (2.0)	ENSG00000236436 (2
LPL (2.7)	TRIB1 (2.6)	ABCA6 (2.5)	RELB (2.3)	TIMD4 (2.3)
LIPC (2.5)	SLC22A1 (2.5)	CYB561D1 (2.3)	FGF21 (2.2)	TM6SF2 (2.1)
HMGCR (2.7)	FNDC4 (2.6)	FADS2 (2.4)	LDLR (2.4)	ABCG8 (2.2)
FUT2 (2.2)	BMPR2 (2.1)	CETP (2.1)	ATP13A1 (2.1)	CLPTM1 (2.1)
PGS1 (1.8)	SARS (1.5)	CBLC (1.5)	CEP250 (1.4)	PCSK9 (1.3)
DOCK7 (2.9)	ABO (2.4)	CLPTM1 (2.2)	TBKBP1 (1.9)	PLCG1 (1.8)
CYP26A1 (2.5)	POLK (2.2)	ABCA1 (2.1)	RP1 (2.0)	MYLIP (2.0)
TRIB1 (2.2)	TIMD4 (2.2)	ABCA1 (2.1)	BMPR2 (2.1)	GMIP (1.9)
DOCK6 (2.3)	ENSG00000256731 (2	BMPR2 (2.3)	SLC22A3 (2.2)	PLCG1 (2.2)
HP (2.5)	LIPG (2.4)	GPAM (2.1)	ENSG00000235545 (1	OASL (1.8)
TIMD4 (2.4)	APOE (2.3)	FGF21 (2.0)	APOC4 (2.0)	LPAL2 (1.9)
LDLR (2.1)	TRIB1 (2.1)	BMPR2 (2.0)	GDF5 (2.0)	NPEPPS (1.9)
APOE (2.6)	PLEC (2.6)	KANK2 (2.4)	TRAM2 (2.3)	DOCK6 (2.2)
PVRL2 (3.0)	CLPTM1 (2.9)	DOCK6 (2.5)	GRINA (2.5)	APOE (2.4)
FADS2 (3.2)	LIPG (3.2)	APOC1 (3.2)	LDLR (3.2)	GCKR (3.0)
AMPD2 (2.5)	NRBP1 (2.5)	TRAM2 (2.3)	ERGIC3 (2.2)	CEP250 (1.9)
HNF4A (2.4)	COL4A3BP (2.2)	DOCK7 (2.1)	PVRL2 (2.0)	PLEC (2.0)
NFE2L3 (2.0)	COL4A3BP (1.9)	C17orf57 (1.8)	MAP3K4 (1.7)	ENSG00000244861 (1
ENSG00000254235 (2	OBP2B (2.2)	GCKR (2.1)	C19orf80 (1.8)	PCSK9 (1.8)
KPNB1 (3.1)	NUP93 (2.9)	FEN1 (2.9)	ZRANB3 (2.6)	UBXN4 (2.5)
FADS2 (2.2)	CLPTM1 (2.1)	UBXN4 (2.1)	YIPF2 (2.0)	ERGIC3 (1.9)
FADS2 (2.2)	CLPTM1 (2.1)	UBXN4 (2.1)	YIPF2 (2.0)	ERGIC3 (1.9)
DOCK6 (2.3)	SLC44A2 (2.3)	YIPF2 (2.2)	PVR (2.1)	KANK2 (2.0)
IST1 (3.1)	ZNF259 (2.7)	BUD13 (2.7)	NUP93 (2.4)	SMARCA4 (2.4)
FER1L4 (2.7)	NYNRIN (2.6)	LCT (1.8)	GSTM5 (1.8)	GDF5 (1.7)
DARS (2.7)	DHODH (2.6)	TOMM40 (2.5)	ATP13A1 (2.2)	ZNF259 (2.2)
GPAM (2.0)	LPAL2 (1.9)	ENSG00000226622 (1	LPIN3 (1.7)	FUT1 (1.6)
USP24 (2.6)	DOCK7 (2.5)	USP1 (2.4)	IGF2R (2.4)	MCM6 (2.2)
ANGPTL3 (4.9)	LIPC (4.8)	APOA5 (4.6)	APOC4 (4.4)	HNF4A (3.5)
ENSG00000231204 (1	SUMO1 (1.7)	LPL (1.7)	MYLIP (1.6)	LPAR2 (1.5)
ERGIC3 (2.1)	HNF1A (1.6)	TRAM2 (1.6)	NFE2L3 (1.6)	CBLC (1.5)
GPAM (3.2)	ANGPTL3 (3.1)	SLC22A1 (2.8)	LPA (2.6)	CYP26A1 (2.5)

LPA (2.3)	LIPC (2.3)	APOC4 (2.2)	HP (2.2)	ANGPTL3 (2.0)
ANGPTL3 (3.9)	GCKR (3.9)	TIMD4 (3.7)	ABCA6 (3.6)	HP (3.5)
PVR (2.6)	TRIB1 (2.4)	GRINA (2.4)	ENSG00000226648 (2	ABCA1 (2.0)
AMPD2 (3.3)	DHODH (3.2)	C12orf43 (2.8)	SUGP1 (2.4)	ATP13A1 (2.2)
ENSG00000254235 (2	PVR (2.7)	FUT2 (2.6)	AMPD2 (2.2)	LPL (2.2)
DARS (3.0)	ATP13A1 (2.9)	SUGP1 (2.9)	DHX38 (2.8)	SARS (2.7)
DARS (3.0)	ATP13A1 (2.9)	SUGP1 (2.9)	DHX38 (2.8)	SARS (2.7)
DARS (3.0)	ATP13A1 (2.9)	SUGP1 (2.9)	DHX38 (2.8)	SARS (2.7)
ZHX3 (1.9)	DHODH (1.9)	FADS2 (1.8)	AMIGO1 (1.7)	FADS1 (1.6)
DARS (3.2)	DHX38 (2.8)	AMPD2 (2.7)	PPM1G (2.7)	DHODH (2.6)
TIMD4 (2.3)	GMIP (1.9)	APOE (1.8)	CYB561D1 (1.7)	APOC4 (1.7)
ABCA6 (2.5)	TIMD4 (2.4)	CETP (2.3)	GMIP (2.1)	BMPR2 (1.9)
FUT1 (1.7)	ATXN7L2 (1.7)	TIMD4 (1.6)	TRIB1 (1.4)	PCSK9 (1.4)
ABCA1 (3.4)	GCKR (3.0)	CETP (2.6)	TRAM2 (2.2)	APOC1 (2.2)
C19orf80 (2.2)	LPL (1.8)	ENSG00000231204 (1	KRTCAP3 (1.8)	AMIGO1 (1.8)
DHODH (3.2)	DHX38 (2.9)	TOMM40 (2.8)	ZNF259 (2.8)	USP24 (2.5)
LPIN3 (2.9)	SLC22A2 (2.7)	SPATC1 (2.6)	ABCA6 (2.5)	HNF4A (2.3)
DHODH (3.0)	ENSG00000226645 (2	SUGP1 (2.2)	DARS (2.1)	C12orf43 (2.1)
CBLC (2.1)	PLG (2.0)	BCAM (2.0)	GSTM4 (1.7)	HAVCR1 (1.6)
BUD13 (2.8)	SMARCA4 (2.8)	USP1 (2.6)	NOP58 (2.6)	PPM1G (2.5)
MCM6 (3.7)	CEP250 (2.5)	PPM1G (2.5)	SUMO1 (2.1)	C19orf52 (2.1)
PVRL2 (2.3)	EHBP1 (2.2)	APOA4 (2.1)	ENSG00000235545 (1	ENSG00000182329 (1
BMPR2 (2.2)	OTX1 (2.2)	SPATC1 (2.0)	ABCA1 (2.0)	TRAM2 (1.7)
CELSR2 (3.1)	YIPF2 (2.2)	NYNRIN (2.1)	FUT2 (2.1)	ABCG8 (2.0)
RASIP1 (2.4)	C11orf9 (2.3)	SLC44A2 (2.2)	TBKBP1 (1.9)	ENSG00000254235 (1
KRTCAP3 (2.4)	PLEC (2.4)	PVRL2 (2.4)	CELSR2 (2.2)	KANK2 (2.1)
GPR61 (2.2)	ENSG00000231204 (2	ENSG00000236267 (1	ABCA1 (1.6)	MAFB (1.6)
PLG (2.2)	ABCA1 (2.2)	LPA (1.9)	ANGPTL3 (1.7)	LIPG (1.6)
DOCK7 (2.8)	KPNB1 (2.7)	MAP3K4 (2.6)	BUD13 (2.6)	MCM6 (2.5)
CARM1 (2.0)	GRINA (2.0)	PPM1G (2.0)	LPAR2 (2.0)	GNAI3 (1.8)
IST1 (2.6)	SARS (2.5)	HP (2.4)	PLG (2.3)	ZNF259 (2.1)
PBX4 (2.5)	C17orf57 (2.1)	FUT2 (2.0)	GPAM (1.7)	HP (1.6)
CARM1 (2.4)	HMGCR (2.4)	COL4A3BP (2.3)	FADS1 (2.2)	PCSK9 (2.1)
USP24 (2.7)	PLEC (2.0)	TRAM2 (2.0)	BCAM (2.0)	SLC22A3 (2.0)
PLG (2.4)	APOC4 (2.3)	APOC1 (2.3)	CELSR2 (2.1)	LIPC (2.0)
SNX17 (3.2)	DOCK7 (3.1)	KPNB1 (3.0)	UBXN4 (2.9)	PPM1G (2.9)
DHODH (3.5)	USP24 (3.5)	AMPD2 (3.1)	DARS (2.7)	DHX38 (2.5)
DHODH (3.5)	USP24 (3.5)	AMPD2 (3.1)	DARS (2.7)	DHX38 (2.5)
DHODH (3.3)	C12orf43 (3.1)	AMPD2 (2.8)	DARS (2.3)	PVR (2.2)
MAU2 (2.5)	RAB3GAP1 (2.2)	CYB561D1 (2.2)	SUGP1 (2.1)	USP1 (1.8)
HMGCR (2.0)	C19orf80 (2.0)	ST3GAL4 (2.0)	TBKBP1 (2.0)	ENSG00000182329 (1
TIMD4 (2.3)	ABCA6 (2.3)	CETP (2.1)	GMIP (1.9)	PGS1 (1.9)
FUT1 (3.4)	BCAM (3.4)	RASIP1 (2.8)	DOCK6 (2.3)	PVR (2.2)
ATXN1L (2.2)	BUD13 (2.1)	ENSG00000254235 (2	ABCG8 (1.9)	FGF21 (1.9)
CETP (2.6)	MYLIP (2.3)	PGS1 (2.2)	ZHX3 (2.1)	ENSG00000226806 (2
NFE2L3 (3.0)	KPNB1 (2.8)	NRBP1 (2.8)	NUP93 (2.6)	PPM1G (2.4)
C12orf43 (2.8)	AMPD2 (2.8)	DHODH (2.8)	DHX38 (2.4)	DARS (2.2)
PLEC (2.4)	IGF2R (2.2)	SNX17 (2.1)	DHX38 (2.1)	ZNF259 (2.0)
YIPF2 (3.1)	SLC44A2 (2.5)	TBKBP1 (2.1)	ATP13A1 (2.1)	ATXN7L2 (2.0)
RASIP1 (2.7)	CBLC (2.5)	FUT1 (2.4)	NYNRIN (2.1)	ENSG00000226645 (2

PVRL2 (2.6)	DOCK6 (2.5)	NYNRIN (2.3)	CYP26A1 (2.2)	LIPG (2.2)
APOA5 (1.9)	NRBP1 (1.8)	C19orf52 (1.7)	C19orf80 (1.7)	SARS (1.6)
MAFB (2.5)	ENSG00000256731 (2	ABCA6 (2.2)	PVRL2 (2.0)	NFE2L3 (2.0)
TRAM2 (2.2)	GMIP (2.2)	TRIM54 (2.1)	PVRL2 (2.0)	IFT172 (1.9)
MAFB (3.2)	PARP10 (2.7)	RAB3GAP1 (2.3)	EHBP1 (2.2)	POC5 (2.0)
LPAR2 (2.6)	LPA (2.4)	MAP3K4 (2.2)	HNF1A (2.1)	ENSG00000226622 (1
RELB (2.6)	TIMD4 (2.2)	LIPG (2.1)	PGS1 (2.0)	ABCA5 (2.0)
FADS2 (1.9)	FER1L4 (1.8)	ATXN7L2 (1.7)	NRBP1 (1.7)	OBP2B (1.6)
CEP250 (2.4)	YIPF2 (2.1)	ABCA1 (2.1)	FER1L4 (1.9)	ENSG00000235545 (1
KPNB1 (2.3)	SARS (2.0)	NUP93 (1.9)	ZNF259 (1.8)	GNAI3 (1.8)
PSMA5 (3.3)	PPM1G (3.3)	NUP93 (3.1)	SARS (2.9)	DARS (2.8)
CYP26A1 (2.0)	FADS2 (2.0)	GCKR (2.0)	ABCA6 (1.9)	ENSG00000228044 (1
ZNF513 (2.6)	PVRL2 (2.5)	KANK2 (2.4)	ATXN1L (2.4)	DOCK6 (2.3)
DOCK6 (2.2)	ABCA1 (1.9)	MYLIP (1.9)	KANK2 (1.8)	CYP26A1 (1.8)
MAU2 (2.8)	GMIP (2.6)	CARM1 (2.6)	GRINA (2.3)	CLPTM1 (2.3)
DNAH11 (2.6)	PBX4 (2.4)	IZUMO1 (2.2)	C19orf52 (2.2)	AMIGO1 (1.9)
DHODH (2.9)	DARS (2.8)	C12orf43 (2.7)	DHX38 (2.7)	ATP13A1 (2.3)
LCT (5.2)	APOC3 (4.3)	ABCG5 (3.9)	HNF4A (3.8)	APOB (3.6)
GSTM4 (2.4)	MAMSTR (2.4)	ABO (2.3)	GSTM5 (2.1)	TM6SF2 (2.0)
GCKR (4.0)	ABCG5 (3.8)	ABCG8 (3.6)	ABCA6 (3.5)	APOC4 (3.5)
NRBP1 (3.1)	GMIP (2.0)	TRIB1 (2.0)	NFE2L3 (2.0)	PVR (1.9)
BMPR2 (3.1)	SYPL2 (3.0)	KANK2 (2.7)	DOCK6 (2.3)	IGF2R (2.3)
SNX17 (2.5)	NRBP1 (2.5)	NPEPPS (2.4)	SORT1 (2.2)	GOT2P1 (2.0)
ENSG00000231204 (2	TRIB1 (2.3)	ABCA5 (2.2)	ABCA6 (2.2)	TRAM2 (1.7)
ENSG00000244861 (1	ZNF513 (1.8)	GMIP (1.8)	TIMD4 (1.8)	OASL (1.7)
KRTCAP3 (2.3)	TSSK6 (2.3)	ATXN7L2 (1.8)	LPAR2 (1.7)	ENSG00000235545 (1
CYP26A1 (2.8)	PVRL2 (2.1)	OTX1 (1.9)	CELSR2 (1.8)	ABCA6 (1.7)
FADS2 (10.7)	PCSK9 (9.2)	LIPG (6.1)	GPAM (2.3)	MCM6 (2.0)
MAP3K4 (2.5)	DHX38 (2.5)	LDLR (2.4)	IGF2R (2.4)	DOCK6 (2.3)
MAFB (2.6)	PLEC (2.2)	MAU2 (2.1)	MYLIP (2.1)	IGF2R (2.0)
DARS (3.2)	DHODH (3.2)	C12orf43 (3.2)	AMPD2 (2.8)	PPM1G (2.3)
TIMD4 (2.3)	SLC44A2 (2.2)	MAMSTR (1.9)	HNF1A (1.9)	BCAM (1.8)
C11orf9 (2.9)	IGF2R (2.8)	BMPR2 (2.7)	COL4A3BP (2.6)	MAP3K4 (2.5)
ABCA1 (2.5)	APOE (2.4)	SLC44A2 (2.1)	GDF5 (2.0)	PMFBP1 (2.0)
NFE2L3 (2.7)	TOMM40 (2.7)	KPNB1 (2.6)	PPM1G (2.5)	SARS (2.3)
GATAD2A (2.5)	DARS (2.4)	DHODH (2.2)	AMPD2 (2.1)	DHX38 (1.9)
UBXN4 (2.3)	ST3GAL4 (2.2)	KPNB1 (2.0)	NCAN (2.0)	ENSG00000226806 (1
TRAM2 (2.4)	TBKBP1 (2.3)	ENSG00000226622 (2	PVR (2.3)	CILP2 (2.3)
HMGCR (2.3)	KRTCAP3 (2.2)	NRBP1 (2.2)	FADS2 (2.0)	CARM1 (2.0)
RASIP1 (3.1)	KRTCAP3 (2.5)	SLC22A3 (2.5)	SLC22A2 (2.4)	TBKBP1 (1.9)
USP1 (2.6)	MAP3K4 (2.5)	PSMA5 (2.2)	DARS (2.1)	KPNB1 (2.1)
USP1 (2.6)	MAP3K4 (2.5)	PSMA5 (2.2)	DARS (2.1)	KPNB1 (2.1)
ABCA5 (2.7)	HAPLN4 (2.2)	APOA4 (2.1)	HNF4A (2.0)	ABCG5 (1.9)
ENSG00000244861 (2	C19orf52 (2.2)	LDLR (2.2)	DHODH (2.2)	USP24 (2.1)
ERGIC3 (2.2)	OTX1 (2.1)	LDLR (2.0)	CYB561D1 (1.9)	CLPTM1 (1.9)
ERGIC3 (2.2)	OTX1 (2.1)	LDLR (2.0)	CYB561D1 (1.9)	CLPTM1 (1.9)
DOCK6 (2.3)	POLK (2.3)	PVR (1.6)	PCSK9 (1.5)	FADS1 (1.5)
PVRL2 (2.4)	MAP3K4 (2.3)	KANK2 (2.3)	DOCK6 (2.3)	CELSR2 (2.2)
SLC22A3 (1.9)	ENSG00000244861 (1	CETP (1.6)	TRIB1 (1.5)	PARP10 (1.5)
C11orf9 (2.8)	PCSK9 (2.6)	ABCG8 (2.5)	TM6SF2 (2.3)	DOCK6 (1.9)

HNF1A (2.3)	LIPG (1.9)	MAP3K4 (1.9)	PLEC (1.9)	OTX1 (1.8)
SUGP1 (3.5)	DHX38 (3.2)	TOMM40 (3.0)	ATP13A1 (3.0)	ENSG00000226645 (2
ABCA5 (2.7)	HNF4A (2.5)	GRINA (2.4)	PLG (2.3)	ATP13A1 (2.3)
C17orf57 (2.7)	GDF5 (2.1)	LIPG (2.0)	LPL (2.0)	ST3GAL4 (1.9)
RASIP1 (2.3)	ENSG00000226648 (2	FUT2 (2.1)	KRTCAP3 (2.0)	ZNF513 (1.9)
DHODH (3.1)	DHX38 (2.8)	AMPD2 (2.7)	DARS (2.5)	C12orf43 (2.4)
TOP1 (2.5)	ZNF821 (2.4)	ATXN7L2 (2.3)	BUD13 (2.3)	MAMSTR (2.1)
SLC44A2 (2.0)	ST3GAL4 (1.9)	CEP250 (1.7)	GSTM5 (1.7)	POLK (1.7)
MAFB (2.8)	TRAM2 (1.9)	IGF2R (1.6)	GOT2P1 (1.6)	SLC22A2 (1.5)
IST1 (2.4)	NRBP1 (2.3)	DNAH11 (2.2)	ENSG00000256731 (2	TRIB1 (2.0)
KPNB1 (2.4)	USP1 (2.2)	IGF2R (2.2)	UBXN4 (2.2)	AMPD2 (1.9)
CBLC (2.4)	LPAR2 (2.4)	FUT1 (2.3)	HNF4A (2.3)	PVRL2 (2.2)
SUGP1 (2.4)	GATAD2A (2.3)	AMPD2 (2.3)	KPNB1 (2.2)	ERGIC3 (2.1)
TOMM40 (2.9)	PPM1G (2.9)	NUP93 (2.8)	SARS (2.8)	DARS (2.6)
RP1 (2.4)	SPATC1 (2.3)	ENSG00000226806 (1	TBKBP1 (1.8)	LIPC (1.7)
GSTM5 (2.4)	HNF4A (2.4)	TBKBP1 (2.3)	HAPLN4 (2.3)	APOE (2.3)
BCAM (3.1)	ENSG00000256731 (2	IFT172 (2.5)	MAMSTR (2.4)	NYNRIN (2.3)
USP24 (2.5)	POLK (2.3)	AMPD2 (2.3)	ATXN7L2 (2.1)	ZNF821 (1.8)
DOCK7 (2.3)	COL4A3BP (2.2)	FER1L4 (2.2)	C17orf57 (2.0)	PVRL2 (1.9)
CETP (2.1)	PARP10 (2.1)	CYB561D1 (2.1)	ENSG00000236267 (2	MAFB (2.0)
FGF21 (2.0)	EHBP1 (2.0)	ENSG00000236436 (2	KPNB1 (1.8)	TRAM2 (1.8)
HAVCR1 (2.6)	SLC44A2 (2.2)	ENSG00000226806 (1	RAB3GAP1 (1.8)	BUD13 (1.8)
ENSG00000236267 (3	TRAM2 (2.6)	CELSR2 (2.3)	PLEC (2.3)	DOCK6 (2.2)
GCKR (2.6)	FGF21 (2.5)	APOC4 (2.5)	HP (2.4)	PLG (2.2)
TRIB1 (2.1)	BCAM (2.0)	CILP2 (1.9)	GDF5 (1.9)	NYNRIN (1.8)
CETP (2.2)	TIMD4 (1.9)	PBX4 (1.8)	CYB561D1 (1.8)	FER1L4 (1.7)
DHODH (3.2)	DARS (2.8)	PPM1G (2.6)	AMPD2 (2.5)	TOP1 (2.5)
SMARCA4 (2.6)	MAP3K4 (2.4)	MAU2 (2.2)	PPM1G (2.2)	SUGP1 (2.2)
USP24 (2.9)	USP1 (2.6)	CARM1 (2.4)	ATXN1L (2.3)	MCM6 (2.3)
CYB561D1 (2.4)	TIMD4 (2.3)	LPAL2 (2.2)	ENSG00000236267 (1	GMIP (1.6)
PPM1G (2.3)	ABCA5 (2.3)	ENSG00000244861 (2	SORT1 (2.2)	SNX17 (2.2)
C11orf9 (2.0)	PGS1 (1.8)	LPL (1.7)	PVRL2 (1.7)	TM6SF2 (1.6)
ABCG5 (2.6)	C19orf80 (2.4)	FGF21 (2.4)	ABCA6 (2.4)	ENSG00000231204 (2
KRTCAP3 (2.1)	MAU2 (2.1)	OTX1 (2.0)	LPAR2 (1.9)	APOA4 (1.9)
CYP26A1 (2.2)	IGF2R (2.1)	LIPC (2.0)	POLK (1.9)	CILP2 (1.9)
FUT1 (3.3)	PLEC (2.7)	CELSR2 (2.7)	RASIP1 (2.7)	KRTCAP3 (2.7)
GPAM (2.0)	ZHX3 (1.9)	YSK4 (1.9)	ATXN1L (1.8)	C17orf57 (1.8)
MCM6 (2.8)	BUD13 (2.8)	KPNB1 (2.5)	MAP3K4 (2.5)	FEN1 (2.3)
GATAD2A (2.1)	PBX4 (2.1)	SLC44A2 (1.9)	ENSG00000226806 (1	GMIP (1.8)
CEP250 (2.3)	ENSG00000226648 (2	APOE (2.2)	LIPG (2.0)	HNF4A (1.9)
ABO (2.4)	IGF2R (2.0)	KPNB1 (2.0)	BMPR2 (1.8)	PLCG1 (1.8)
KPNB1 (2.4)	PPM1G (2.4)	YSK4 (2.2)	TM6SF2 (2.1)	PSMA5 (2.1)
PPM1G (3.0)	BUD13 (2.8)	USP1 (2.7)	NUP93 (2.7)	NOP58 (2.7)
PVRL2 (1.9)	CLPTM1 (1.8)	PLEC (1.8)	ENSG00000226645 (1	POLK (1.7)
ENSG00000226648 (2	APOE (2.0)	LPL (2.0)	ENSG00000226806 (1	MAFB (1.9)
C12orf43 (3.1)	DHODH (3.1)	AMPD2 (2.8)	PPM1G (2.5)	DARS (2.5)
LPAR2 (2.3)	IST1 (2.1)	PLCG1 (1.9)	OBP2B (1.8)	BCAM (1.7)
NFE2L3 (2.8)	TOMM40 (2.5)	KPNB1 (2.4)	SARS (2.4)	PPM1G (2.3)
RELB (2.0)	POLK (1.6)	PSMA5 (1.5)	ATP13A1 (1.5)	DOCK7 (1.4)
MYLIP (2.2)	PMFBP1 (1.9)	GATAD2A (1.9)	C19orf52 (1.8)	MAFB (1.5)

CETP (3.2) SLC44A2 (2.7) PVRL2 (2.4) TBKBP1 (2.4) BMPR2 (2.0)
DOCK7 (2.8) KPNB1 (2.8) USP24 (2.5) NUP93 (2.5) FEN1 (2.4)
C19orf80 (1.8) FNDC4 (1.7) ABCG8 (1.7) ENSG00000226622 (1 ATXN7L2 (1.6)
GSTM5 (2.2) KANK2 (2.2) DOCK6 (2.1) KRTCAP3 (2.0) HNF4A (2.0)
OASL (1.7) ENSG00000228044 (1 SLC22A3 (1.6) ABCA1 (1.5) POLK (1.5)
NYNRIN (2.5) FUT2 (2.0) CBLC (1.7) CARM1 (1.6) PLCG1 (1.5)
HAVCR1 (2.1) ATXN7L2 (2.1) PVRL2 (2.1) ENSG00000236436 (2 CYB561D1 (1.9)
ENSG00000231204 (2 ZNF821 (2.0) PSRC1 (2.0) PLCG1 (2.0) ENSG00000236436 (2
ENSG00000228044 (1 TBKBP1 (1.7) DOCK7 (1.7) USP1 (1.7) MAU2 (1.6)
OASL (2.9) CETP (2.8) PVRL2 (2.5) NFE2L3 (2.4) SLC22A3 (2.3)
PLG (2.0) ANGPTL3 (2.0) NRBP1 (2.0) IST1 (2.0) ZRANB3 (1.9)
TOMM40 (3.2) DHODH (2.5) SARS (2.4) GATAD2A (2.1) ENSG00000256731 (2
FUT2 (2.4) C17orf57 (2.3) FUT1 (2.3) KRTCAP3 (2.0) LIPG (2.0)
KPNB1 (2.6) ERGIC3 (2.6) SARS (2.6) SMARCA4 (2.2) COL4A3BP (2.1)
USP24 (2.5) MAU2 (2.2) MAFB (2.1) AMPD2 (1.9) C17orf57 (1.9)
ERGIC3 (2.2) HNF1A (2.2) ABO (2.2) NYNRIN (2.2) GDF5 (2.1)
KPNB1 (2.3) PVRL2 (2.3) DARS (1.8) CARM1 (1.8) PCSK9 (1.7)
LPL (2.2) ENSG00000226645 (1 SPATC1 (1.8) FADS1 (1.8) COL4A3BP (1.7)
NCAN (3.3) ABCA1 (3.2) APOB (2.4) FNDC4 (2.3) SPATC1 (2.2)
ENSG00000226648 (1 TXNL4B (1.8) ENSG00000236267 (1 IZUMO1 (1.7) DHODH (1.7)
AMPD2 (2.6) DHX38 (2.5) C12orf43 (2.5) SUGP1 (2.5) DHODH (2.4)
DHX38 (3.5) SARS (3.4) DARS (2.8) ATP13A1 (2.6) TOP1 (2.6)
ST3GAL4 (2.0) PARP10 (1.9) ABCA1 (1.8) POLK (1.8) RELB (1.7)
GNAI3 (2.5) UBXN4 (2.4) IST1 (2.3) CARM1 (2.1) NUP93 (2.1)
GNAI3 (2.5) UBXN4 (2.4) IST1 (2.3) CARM1 (2.1) NUP93 (2.1)
GNAI3 (2.5) UBXN4 (2.4) IST1 (2.3) CARM1 (2.1) NUP93 (2.1)
GNAI3 (2.5) UBXN4 (2.4) IST1 (2.3) CARM1 (2.1) NUP93 (2.1)
GNAI3 (2.5) UBXN4 (2.4) IST1 (2.3) CARM1 (2.1) NUP93 (2.1)
TXNL4B (2.6) ZHX3 (2.4) GPAM (2.2) SORT1 (2.0) NPEPPS (1.9)
ABCG5 (3.2) SLC22A1 (3.1) APOA4 (2.6) TM6SF2 (2.6) FGF21 (2.2)
FADS1 (8.1) PCSK9 (8.0) LIPG (4.8) LCT (2.2) ENSG00000236267 (1
GSTM4 (1.9) SARS (1.9) ENSG00000236267 (1 C19orf80 (1.8) GRINA (1.7)
SPATC1 (2.8) ENSG00000226648 (2 ENSG00000254235 (2 NYNRIN (2.2) GOT2P1 (2.0)
LPIN3 (1.9) PLCG1 (1.8) C11orf9 (1.7) CEP250 (1.6) BCAM (1.5)
OTX1 (2.4) LIPG (2.2) OBP2B (2.0) FNDC4 (1.6) ABCA1 (1.5)
MAU2 (2.7) ZHX3 (2.6) PARP10 (2.5) GDF5 (2.4) DHX38 (2.3)
NUP93 (3.0) KPNB1 (2.6) SNX17 (2.1) TOMM40 (2.0) PPM1G (1.8)
GDF5 (2.2) DNAH11 (2.2) POLK (2.0) ENSG00000182329 (2 KRTCAP3 (1.9)
TBKBP1 (2.2) MAFB (1.8) TRIB1 (1.8) GPR61 (1.7) ZNF821 (1.6)
LPL (2.5) APOC1 (2.3) LPA (2.2) LPAL2 (2.2) MYLIP (2.0)
SLC44A2 (1.9) LPAL2 (1.8) APOE (1.7) CYB561D1 (1.6) SYPL2 (1.5)
HNF1A (2.3) OBP2B (2.3) SPATC1 (2.2) TM6SF2 (2.1) ENSG00000254235 (1
TRIM54 (2.5) TBKBP1 (2.4) CARM1 (2.3) DOCK6 (2.1) BMPR2 (2.0)
CETP (1.6) LPAR2 (1.6) TIMD4 (1.6) CBLC (1.5) SLC22A2 (1.5)
IZUMO1 (2.3) PLG (2.2) CELSR2 (2.0) OTX1 (1.9) PVRL2 (1.8)
TIMD4 (2.5) ABCA6 (2.5) CETP (2.2) GMIP (2.1) BMPR2 (1.8)
PMFBP1 (2.2) GSTM5 (1.9) SNX17 (1.9) GRINA (1.7) PARP10 (1.7)
CBLC (2.4) CETP (2.1) PLCG1 (2.0) PGS1 (1.9) RASIP1 (1.8)
CETP (2.7) GMIP (2.6) ENSG00000254235 (2 TRIB1 (2.0) PBX4 (2.0)
GMIP (2.3) TRAM2 (2.2) BCAM (2.0) C11orf9 (1.9) IFT172 (1.8)

GMIP (2.5)	TRIB1 (2.5)	MAFB (2.4)	PBX4 (2.2)	NFE2L3 (2.0)
DNAH11 (2.4)	LPL (2.3)	SLC22A3 (2.0)	TIMD4 (2.0)	NFE2L3 (1.6)
CBLC (2.8)	BCAM (2.5)	APOE (2.2)	PLEC (2.0)	ENSG00000228044 (2
CELSR2 (2.3)	PVRL2 (2.2)	GOT2P1 (2.2)	TSSK6 (2.0)	ENSG00000235545 (2
TRIM54 (2.2)	PVRL2 (2.2)	TRAM2 (2.1)	BCAM (1.9)	IFT172 (1.9)
GDF5 (1.9)	AMIGO1 (1.8)	ENSG00000254235 (1	CYP26A1 (1.7)	ABO (1.7)
ZRANB3 (2.0)	HAVCR1 (1.8)	PMFBP1 (1.8)	APOE (1.7)	PARP10 (1.7)
APOE (2.2)	LPL (2.0)	GPAM (1.7)	LIPC (1.6)	LIPG (1.6)
ABO (2.1)	LPAR2 (2.1)	COL4A3BP (2.0)	HNF4A (1.9)	HNF1A (1.8)
TIMD4 (2.2)	PVR (2.0)	GSTM5 (1.8)	DOCK6 (1.8)	RASIP1 (1.8)
GMIP (2.5)	ABCA6 (2.4)	TIMD4 (2.4)	CETP (2.1)	BMPR2 (1.9)
ENSG00000228044 (3	GCKR (3.6)	PCSK9 (3.2)	PLG (2.9)	APOC4 (2.9)
GRINA (2.3)	ENSG00000226622 (2	TBKBP1 (2.2)	HAVCR1 (2.2)	GSTM5 (2.0)
APOE (2.1)	CLPTM1 (2.1)	CILP2 (1.7)	TM6SF2 (1.6)	LPAR2 (1.6)
PVR (3.0)	FUT1 (2.4)	IZUMO1 (2.4)	ENSG00000226645 (2	MAMSTR (2.1)
PCSK9 (3.5)	ABO (3.4)	HAPLN4 (2.4)	TM6SF2 (2.4)	ABCG8 (2.3)
GATAD2A (2.5)	CARM1 (2.2)	NRBP1 (2.2)	GMIP (2.2)	ATP13A1 (2.2)
PCSK9 (2.6)	OTX1 (2.6)	LDLR (2.5)	FUT1 (2.3)	MAFB (2.3)
NUP93 (2.8)	KPNB1 (2.7)	DOCK7 (2.5)	MAP3K4 (2.5)	DARS (2.4)
FUT2 (2.7)	LPIN3 (2.6)	C17orf57 (2.6)	KRTCAP3 (2.4)	PVRL2 (2.0)
GSTM4 (2.4)	ENSG00000254235 (2	IZUMO1 (2.1)	C19orf80 (1.9)	PCSK9 (1.9)
SPATC1 (3.2)	GNAT2 (2.6)	ENSG00000226622 (2	PLG (2.4)	LPL (2.0)
IST1 (1.9)	ENSG00000256731 (1	ABCG8 (1.8)	UBXN4 (1.8)	GOT2P1 (1.7)
SLC44A2 (2.5)	PLEC (2.5)	DOCK7 (2.5)	FUT1 (2.3)	LPAR2 (2.0)
CETP (2.2)	IGF2R (2.2)	LIPG (2.2)	CEP250 (2.1)	TIMD4 (2.1)
LPA (2.3)	C19orf52 (2.2)	MAU2 (2.1)	ABCA6 (2.1)	SMARCA4 (2.0)
KPNB1 (2.9)	ZNF259 (2.7)	PPM1G (2.7)	SARS (2.7)	SMARCA4 (2.6)
ANGPTL3 (3.8)	APOA5 (3.1)	ABCG8 (3.0)	LPA (3.0)	LPL (2.9)
GOT2P1 (2.4)	SUMO1 (2.2)	C17orf57 (2.2)	OASL (2.1)	ST3GAL4 (2.1)
GOT2P1 (2.4)	SUMO1 (2.2)	C17orf57 (2.2)	OASL (2.1)	ST3GAL4 (2.1)
PMFBP1 (1.9)	SLC22A3 (1.9)	OASL (1.7)	FUT2 (1.7)	POLK (1.6)
NRBP1 (2.9)	NUP93 (2.8)	TOMM40 (2.7)	SNX17 (2.6)	KPNB1 (2.4)
BMPR2 (2.6)	PLCG1 (1.9)	NPEPPS (1.9)	PVR (1.9)	KANK2 (1.7)
PARP10 (2.5)	GMIP (2.3)	ABCA1 (2.2)	ZNF513 (2.0)	PMFBP1 (2.0)
APOC1 (2.5)	LPL (2.5)	IGF2R (2.3)	PVRL2 (1.9)	TRAM2 (1.8)
DOCK7 (3.0)	NUP93 (3.0)	POC5 (2.8)	ZNF259 (2.7)	KPNB1 (2.5)
PLEC (2.3)	BCAM (2.2)	NRBP1 (2.1)	NFE2L3 (2.0)	GNAI3 (2.0)
TOP1 (2.9)	UBXN4 (2.9)	SNX17 (2.9)	ERGIC3 (2.7)	NRBP1 (2.5)
CYP26A1 (3.2)	ABCG5 (2.8)	HP (2.8)	APOA5 (2.8)	GCKR (2.8)
AMPD2 (2.6)	NRBP1 (2.6)	TRAM2 (2.2)	ERGIC3 (2.2)	ATP13A1 (2.0)
SMARCA4 (2.1)	BUD13 (1.9)	ENSG00000236436 (1	PARP10 (1.8)	ATP13A1 (1.7)
GCKR (1.7)	PBX4 (1.6)	ABCA6 (1.6)	FER1L4 (1.5)	SLC22A2 (1.5)
NPEPPS (2.2)	ZNF821 (1.8)	NYNRIN (1.7)	ATXN1L (1.7)	ABCA1 (1.6)
NYNRIN (2.3)	OTX1 (2.2)	PLCG1 (2.2)	LIPG (2.1)	DOCK7 (2.1)
NPEPPS (2.8)	ATP13A1 (2.8)	PSMA5 (2.1)	DOCK7 (1.9)	IGF2R (1.8)
CYB561D1 (2.2)	MCM6 (2.1)	PSMA5 (1.7)	KPNB1 (1.7)	CEP250 (1.7)
LIPG (2.5)	HNF1A (2.5)	FNDC4 (2.0)	OTX1 (2.0)	MAP3K4 (1.9)
NYNRIN (2.2)	IGF2R (1.9)	FADS2 (1.6)	BCAM (1.6)	MYLIP (1.6)
LPL (2.1)	SLC44A2 (2.0)	MAU2 (1.9)	MYLIP (1.9)	YSK4 (1.8)
MAFB (2.2)	GDF5 (2.2)	TBKBP1 (2.2)	ST3GAL4 (2.1)	BCAM (2.0)

ZHX3 (2.3)	GPAM (2.2)	ABCA1 (2.1)	TRAM2 (2.1)	ENSG00000226645 (1
C12orf43 (2.9)	DHX38 (2.7)	ZNF259 (2.7)	SARS (2.6)	KPNB1 (2.6)
GCKR (4.2)	PLG (4.1)	ANGPTL3 (3.9)	APOA5 (3.5)	ABCG5 (3.0)
GRINA (2.5)	APOE (2.5)	CELSR2 (2.4)	SORT1 (2.3)	IFT172 (2.2)
NFE2L3 (2.8)	NRBP1 (2.7)	PPM1G (2.3)	TOMM40 (2.2)	SNX17 (2.2)
ABCG8 (2.1)	LPIN3 (2.0)	TM6SF2 (2.0)	HNF1A (2.0)	CBLC (1.8)
ENSG00000226648 (2	CETP (2.7)	LPAR2 (2.7)	SARS (2.5)	FUT1 (2.3)
ABO (2.2)	FUT1 (2.2)	RASIP1 (2.0)	SLC44A2 (1.9)	AMIGO1 (1.9)
ABO (2.5)	ENSG00000226806 (2	ENSG00000254235 (2	ENSG00000226645 (2	ENSG00000236436 (2
C17orf57 (2.6)	SLC44A2 (2.2)	FUT2 (2.2)	KRTCAP3 (2.1)	ZNF513 (1.9)
SMARCA4 (2.3)	USP24 (2.1)	ENSG00000244861 (2	NUP93 (2.0)	ENSG00000231204 (2
USP24 (2.8)	KPNB1 (2.7)	MCM6 (2.6)	USP1 (2.6)	R3HDM1 (2.6)
SNX17 (2.4)	DARS (2.3)	NUP93 (2.3)	SARS (2.2)	ZRANB3 (2.0)
TIMD4 (2.2)	SLC44A2 (2.2)	PBX4 (2.0)	CETP (1.9)	MAFB (1.7)
HNF4A (3.0)	ENSG00000256731 (2	ANGPTL3 (2.1)	SORT1 (2.0)	APOA4 (1.9)
SLC44A2 (1.9)	ENSG00000226622 (1	FER1L4 (1.8)	KANK2 (1.7)	IFT172 (1.7)
RELB (2.4)	SLC44A2 (2.0)	CYB561D1 (1.8)	BMPR2 (1.7)	PBX4 (1.6)
ABO (2.6)	FUT1 (2.0)	ABCA6 (1.9)	PVRL2 (1.8)	ABCA5 (1.7)
GNAI3 (2.0)	OASL (1.9)	EHBP1 (1.9)	PSMA5 (1.9)	KPNB1 (1.8)
HNF1A (2.5)	TSSK6 (2.3)	C11orf9 (2.3)	SPATC1 (2.2)	ENSG00000244861 (2
LIPG (2.3)	HMGCR (2.1)	SORT1 (2.0)	SLC44A2 (2.0)	FADS2 (2.0)
DHX38 (3.4)	DARS (3.2)	DHODH (3.0)	AMPD2 (3.0)	PPM1G (2.7)
TRAM2 (2.5)	ENSG00000226648 (2	KANK2 (2.4)	SORT1 (2.0)	EHBP1 (2.0)
PGS1 (2.3)	ABCG8 (2.0)	FER1L4 (2.0)	FEN1 (1.8)	ABCA6 (1.8)
CETP (1.8)	LPAL2 (1.7)	LIPG (1.7)	ENSG00000235545 (1	RASIP1 (1.6)
GOT2P1 (2.7)	ATXN7L2 (2.7)	DHODH (1.9)	GDF5 (1.9)	PMFBP1 (1.7)
APOA5 (3.0)	HP (2.8)	APOC3 (2.7)	APOB (2.7)	HNF1A (2.5)
IST1 (2.3)	GATAD2A (2.2)	PVR (2.1)	ZNF821 (2.1)	POLK (2.0)
PVR (2.1)	MAMSTR (2.0)	ABCA6 (1.9)	MYLIP (1.8)	SLC44A2 (1.7)
SUMO1 (2.3)	ATXN1L (2.2)	ENSG00000236436 (2	USP24 (1.9)	ZNF259 (1.8)
ST3GAL4 (2.2)	SORT1 (1.7)	HAVCR1 (1.6)	PSRC1 (1.5)	ENSG00000235545 (1
C12orf43 (1.9)	BCAM (1.9)	KANK2 (1.9)	SYPL2 (1.8)	OASL (1.7)
APOB (2.0)	GNAI3 (1.7)	R3HDM1 (1.7)	TBKBP1 (1.6)	NRBP1 (1.5)
CLPTM1 (2.3)	PLEC (2.3)	ENSG00000226645 (2	GNAI3 (2.1)	GRINA (2.0)
GSTM4 (3.0)	LPAL2 (2.7)	FGF21 (2.3)	HMGCR (2.2)	PCSK9 (2.1)
GMIP (2.2)	SLC44A2 (2.2)	ENSG00000226645 (2	PVRL2 (1.9)	PLEC (1.9)
TOMM40 (2.2)	NFE2L3 (2.1)	FGF21 (2.1)	GNAT2 (2.0)	POC5 (2.0)
GSTM4 (2.2)	MAFB (2.1)	SYPL2 (1.8)	ABCG5 (1.8)	PARP10 (1.8)
NFE2L3 (2.8)	TIMD4 (2.6)	APOC1 (2.4)	CILP2 (2.2)	APOC4 (2.0)
BMPR2 (2.2)	GPAM (1.8)	PLCG1 (1.8)	ENSG00000226806 (1	MAFB (1.8)
PBX4 (2.2)	GMIP (2.1)	EHBP1 (2.1)	SNX17 (1.9)	MAMSTR (1.8)
OASL (2.0)	FADS1 (1.9)	AMPD2 (1.9)	UBXN4 (1.9)	GPAM (1.9)
CETP (2.6)	APOE (2.1)	COL4A3BP (2.0)	ABCA6 (1.9)	DOCK7 (1.9)
DNAH11 (1.8)	CYP26A1 (1.7)	NFE2L3 (1.6)	PARP10 (1.6)	SLC22A3 (1.6)
FUT1 (2.3)	CBLC (2.2)	OBP2B (1.9)	FUT2 (1.9)	MAFB (1.8)
ANGPTL3 (2.2)	APOC1 (1.9)	HP (1.9)	YSK4 (1.6)	TIMD4 (1.6)
GDF5 (2.3)	GMIP (2.3)	PBX4 (2.0)	USP24 (2.0)	IFT172 (2.0)
PLEC (2.2)	ABCA6 (1.9)	RELB (1.8)	TRIB1 (1.7)	IGF2R (1.6)
ZRANB3 (4.0)	CEP250 (2.8)	PPM1G (2.7)	NUP93 (2.5)	DHX38 (1.9)
ENSG00000236267 (2	MAFB (2.2)	NYNRIN (2.2)	ABO (2.0)	ENSG00000254235 (1

HMGCR (2.2)	HNF4A (2.1)	SLC44A2 (1.9)	ZHX3 (1.8)	ATXN7L2 (1.6)
CYP26A1 (2.4)	ABCG5 (2.2)	APOA4 (2.1)	HAPLN4 (2.1)	ABCG8 (2.1)
MAFB (1.9)	GATAD2A (1.8)	FGF21 (1.6)	DOCK6 (1.6)	KANK2 (1.5)
ATP13A1 (2.9)	CLPTM1 (2.8)	UBXN4 (2.1)	ABCA6 (1.5)	GNAT2 (1.2)
PARP10 (2.2)	ABCA1 (2.1)	MAFB (2.1)	TIMD4 (1.8)	IZUMO1 (1.7)
LIPG (2.3)	MAP3K4 (2.1)	HNF1A (2.0)	NYNRIN (1.9)	ENSG00000226806 (1
CBLC (2.7)	IZUMO1 (2.7)	YIPF2 (2.3)	SUMO1 (2.3)	KRTCAP3 (1.9)
GCKR (2.7)	APOE (2.7)	LIPC (2.0)	C19orf52 (2.0)	APOC4 (1.9)
DNAH11 (2.2)	BMPR2 (2.1)	YSK4 (1.8)	TOP1 (1.8)	OBP2B (1.8)
CILP2 (2.2)	GDF5 (2.1)	DOCK7 (1.8)	OTX1 (1.8)	BMPR2 (1.8)
NFE2L3 (3.3)	NUP93 (2.6)	ERGIC3 (1.6)	RELB (1.5)	TOMM40 (1.5)
ENSG00000235545 (2	MYLIP (2.1)	OBP2B (2.1)	BCAM (2.0)	NFE2L3 (1.9)
IFT172 (2.5)	PPM1G (2.1)	DARS (2.1)	NUP93 (2.0)	GSTM4 (1.9)
SPATC1 (3.6)	LPA (3.3)	APOA5 (3.3)	ANGPTL3 (3.2)	LPAL2 (3.2)
NOP58 (3.6)	DHODH (3.4)	AMPD2 (3.0)	DARS (2.6)	DHX38 (2.6)
HNF4A (2.5)	TRIB1 (2.4)	ZHX3 (2.4)	C11orf9 (2.4)	CYP26A1 (2.3)
PCSK9 (8.3)	FADS1 (8.1)	LIPG (4.5)	LCT (2.0)	GPAM (1.6)
GDF5 (2.5)	IGF2R (2.3)	SMARCA4 (2.3)	GMIP (2.0)	OBP2B (1.9)
LDLR (6.8)	PCSK9 (4.7)	GPAM (3.8)	FGF21 (2.7)	FNDC4 (2.7)
ERGIC3 (3.6)	UBXN4 (2.7)	TRAM2 (2.3)	LIPG (2.1)	IGF2R (1.6)
OASL (2.1)	KRTCAP3 (1.8)	GOT2P1 (1.7)	ST3GAL4 (1.6)	PARP10 (1.6)
BCAM (2.1)	ENSG00000226806 (2	NYNRIN (2.0)	DOCK6 (1.8)	KANK2 (1.8)
USP24 (3.2)	SNX17 (2.7)	PPM1G (2.5)	DOCK7 (2.4)	SMARCA4 (2.2)
MYLIP (2.6)	CELSR2 (2.6)	CBLC (2.2)	SLC22A1 (2.0)	LPIN3 (2.0)
GRINA (1.9)	MYLIP (1.8)	ENSG00000235545 (1	ENSG00000231204 (1	ENSG00000254235 (1
FUT2 (2.5)	FER1L4 (2.2)	PVRL2 (2.1)	ZNF513 (2.0)	SLC44A2 (2.0)
CETP (2.2)	MYLIP (2.2)	APOC1 (1.7)	APOE (1.7)	COL4A3BP (1.6)
KPNB1 (2.9)	MAP3K4 (2.6)	MCM6 (2.5)	FEN1 (2.4)	USP24 (2.3)
YIPF2 (2.2)	LIPC (2.1)	FUT2 (1.9)	IZUMO1 (1.5)	FUT1 (1.3)
NYNRIN (2.3)	FADS1 (2.2)	ENSG00000256731 (2	ABO (2.1)	LPAR2 (2.0)
ENSG00000231204 (1	ENSG00000236267 (1	OBP2B (1.6)	ENSG00000256731 (1	LIPC (1.4)
SORT1 (3.1)	IGF2R (2.7)	COL4A3BP (2.2)	ERGIC3 (2.1)	ABCA1 (2.1)
CEP250 (2.4)	BUD13 (2.3)	TOP1 (2.2)	PPM1G (2.1)	NPEPPS (1.9)
ATXN7L2 (2.2)	SARS (2.1)	NYNRIN (2.0)	MAFB (2.0)	BMPR2 (1.9)
GDF5 (2.5)	TRAM2 (2.4)	CYP26A1 (2.2)	APOE (1.9)	ABCA6 (1.6)
ABCA5 (2.7)	HAPLN4 (2.1)	HNF4A (2.1)	APOA4 (1.9)	ABCG5 (1.8)
FADS1 (4.3)	LIPG (2.9)	GSTM4 (2.7)	SNX17 (2.6)	PCSK9 (2.4)
LDLR (5.4)	PCSK9 (3.8)	GPAM (3.3)	C19orf80 (2.1)	RP1 (2.0)
TBKBP1 (2.1)	PLEC (2.0)	PVRL2 (1.8)	DOCK6 (1.8)	LPL (1.7)
PBX4 (2.2)	GMIP (1.9)	NFE2L3 (1.9)	POLK (1.8)	C17orf57 (1.8)
GCKR (2.9)	ATXN1L (2.8)	LPIN3 (2.8)	FNDC4 (2.7)	HNF4A (2.6)
NPEPPS (2.1)	PLEC (2.1)	PSRC1 (2.1)	DARS (2.1)	NCAN (1.9)
TRAM2 (3.4)	PVRL2 (2.1)	ENSG00000244861 (2	KANK2 (2.0)	LIPG (1.9)
TOMM40 (3.1)	AMPD2 (3.1)	DARS (3.1)	DHODH (2.7)	ATP13A1 (2.4)
TIMD4 (1.9)	ABCA6 (1.8)	ENSG00000226645 (1	CYB561D1 (1.7)	GMIP (1.6)
LPL (3.1)	MYLIP (2.8)	SLC22A3 (2.5)	ENSG00000256731 (2	APOE (2.2)
CYP26A1 (2.4)	LIPG (2.2)	ABO (2.1)	RASIP1 (2.1)	ENSG00000235545 (2
PVR (1.8)	C19orf80 (1.8)	APOA4 (1.8)	LCT (1.7)	OTX1 (1.7)
ANGPTL3 (2.3)	IFT172 (2.0)	C11orf9 (2.0)	LDLR (1.8)	GCKR (1.6)
ENSG00000231204 (1	MYLIP (1.9)	FER1L4 (1.8)	MCM6 (1.8)	SLC22A3 (1.8)

AMPD2 (3.5)	C12orf43 (3.1)	TOMM40 (2.6)	HMGCR (2.4)	DHX38 (2.4)
KPNB1 (2.4)	PSMA5 (2.4)	ENSG00000244861 (2	HMGCR (2.1)	OASL (2.1)
PLEC (2.4)	SMARCA4 (2.4)	DHX38 (2.3)	MAU2 (2.2)	TOP1 (2.2)
FNDC4 (2.2)	LIPC (2.0)	MAFB (1.7)	TRAM2 (1.5)	GCKR (1.5)
PLEC (1.9)	RASIP1 (1.9)	TIMD4 (1.9)	SLC22A3 (1.7)	RELB (1.7)
APOA5 (2.5)	GSTM4 (2.5)	LIPC (2.4)	APOC4 (2.2)	IFT172 (2.1)
PGS1 (1.8)	SPATC1 (1.7)	BMPR2 (1.7)	ENSG00000226645 (1	USP24 (1.6)
NUP93 (2.8)	IFT172 (2.8)	MCM6 (2.6)	SARS (2.5)	SMARCA4 (2.5)
ABO (2.0)	ATXN1L (1.9)	APOB (1.7)	DOCK6 (1.7)	LPAR2 (1.7)
SLC22A1 (2.9)	GCKR (2.8)	GOT2P1 (2.8)	SARS (2.7)	PMFBP1 (2.6)
DHX38 (3.2)	DHODH (2.9)	AMPD2 (2.8)	ATP13A1 (2.7)	DARS (2.4)
SYPL2 (2.0)	SORT1 (2.0)	LCT (1.8)	RASIP1 (1.8)	LPL (1.8)
ABCA1 (1.8)	GRINA (1.8)	TXNL4B (1.7)	KANK2 (1.7)	MCM6 (1.7)
HNF4A (3.8)	LCT (2.3)	ANGPTL3 (2.2)	SLC22A1 (2.1)	LIPC (2.1)
TRIM54 (3.0)	SYPL2 (2.8)	DNAH11 (2.3)	NRBP1 (2.2)	C17orf57 (2.2)
TRIM54 (3.0)	SYPL2 (2.8)	DNAH11 (2.3)	NRBP1 (2.2)	C17orf57 (2.2)
HAVCR1 (2.4)	ABCA6 (1.9)	ST3GAL4 (1.9)	TBKBP1 (1.8)	GMIP (1.8)
TSSK6 (2.2)	AMPD2 (1.9)	PSRC1 (1.8)	SUMO1 (1.7)	FUT1 (1.7)
DARS (3.1)	DHODH (3.1)	AMPD2 (2.8)	DHX38 (2.4)	PPM1G (2.4)
GDF5 (2.8)	PARP10 (2.5)	GSTM5 (2.3)	RELB (2.2)	AMPD2 (2.1)
GOT2P1 (2.2)	NYNRIN (1.9)	NFE2L3 (1.9)	ZNF513 (1.9)	GRINA (1.6)
C11orf9 (3.0)	LPAR2 (2.8)	BMPR2 (2.7)	CARM1 (2.7)	RAB3GAP1 (2.4)
NFE2L3 (3.2)	PVR (3.1)	GOT2P1 (2.1)	C12orf43 (1.9)	CYB561D1 (1.7)
TIMD4 (2.1)	C11orf9 (2.1)	BCAM (2.1)	SLC44A2 (1.9)	APOE (1.9)
COL4A3BP (2.5)	TM6SF2 (2.4)	ATP13A1 (2.3)	HAPLN4 (2.3)	APOE (2.3)
LPL (1.8)	CETP (1.7)	SLC22A3 (1.5)	LIPG (1.5)	GPR61 (1.4)
HP (2.4)	PGS1 (2.3)	MAFB (2.2)	ENSG00000226806 (2	SORT1 (2.1)
C11orf9 (2.7)	ZHX3 (2.6)	LPAR2 (2.6)	CARM1 (2.5)	KANK2 (2.3)
POLK (2.0)	APOA5 (1.9)	PVRL2 (1.8)	SLC22A1 (1.7)	APOE (1.7)
UBXN4 (2.9)	NRBP1 (2.7)	SUGP1 (1.8)	TOP1 (1.8)	DARS (1.7)
ABCA5 (2.0)	APOA5 (1.9)	ABCA6 (1.9)	TXNL4B (1.9)	LPA (1.8)
PLCG1 (1.9)	MAU2 (1.7)	FUT2 (1.7)	USP24 (1.7)	COL4A3BP (1.7)
GMIP (2.6)	RELB (2.5)	TRIB1 (1.7)	TOP1 (1.6)	TIMD4 (1.5)
SMARCA4 (2.6)	PPM1G (2.4)	KPNB1 (2.4)	SARS (2.3)	GCKR (2.3)
ABCA5 (2.7)	ST3GAL4 (2.7)	FADS2 (2.6)	ABCA6 (2.5)	HAVCR1 (2.3)
PVR (2.1)	ST3GAL4 (1.9)	ABCA6 (1.7)	KRTCAP3 (1.6)	CEP250 (1.6)
YIPF2 (3.5)	GRINA (3.1)	CYB561D1 (2.8)	TRAM2 (2.6)	HMGCR (2.5)
ENSG00000244861 (2	APOC4 (2.8)	ABCA6 (2.4)	GCKR (2.3)	ANGPTL3 (2.2)
BUD13 (2.2)	NOP58 (2.0)	USP1 (1.9)	ATXN7L2 (1.8)	NUP93 (1.8)
DHX38 (3.2)	NUP93 (3.0)	ATP13A1 (3.0)	TOP1 (2.9)	PPM1G (2.8)
NUP93 (3.5)	FEN1 (3.2)	NFE2L3 (3.1)	PPM1G (2.5)	KPNB1 (2.3)
ABCG5 (3.7)	LCT (3.4)	APOB (3.4)	LIPG (2.9)	ABCG8 (2.5)
AMPD2 (2.8)	DHODH (2.5)	DHX38 (2.4)	ATP13A1 (2.3)	DARS (2.3)
PVR (2.7)	SLC22A3 (2.4)	BCAM (2.3)	PLEC (2.1)	FGF21 (2.0)
ENSG00000226806 (2	SORT1 (2.1)	EHBP1 (2.1)	SLC22A3 (1.9)	CILP2 (1.8)
USP24 (2.7)	DOCK7 (2.7)	USP1 (2.7)	BUD13 (2.6)	MCM6 (2.4)
C11orf9 (2.7)	MYLIP (2.6)	GDF5 (2.4)	CYP26A1 (2.3)	SLC44A2 (1.9)
KPNB1 (3.5)	SNX17 (3.2)	NUP93 (3.0)	NRBP1 (2.5)	DARS (2.4)
MAP3K4 (2.9)	DOCK7 (2.7)	MCM6 (2.6)	BUD13 (2.5)	KPNB1 (2.4)
PCSK9 (1.6)	TIMD4 (1.6)	YIPF2 (1.5)	ATXN7L2 (1.4)	TRIB1 (1.4)

CYB561D1 (2.1)	ERGIC3 (2.1)	PCSK9 (2.1)	LPIN3 (2.0)	CBLC (2.0)
SLC22A2 (3.2)	PLG (3.1)	ABCG8 (3.1)	ANGPTL3 (2.9)	HNF4A (2.5)
MAMSTR (3.2)	CEP250 (3.0)	LPIN3 (2.1)	AMIGO1 (1.9)	PSRC1 (1.9)
LCT (3.2)	TM6SF2 (3.2)	C19orf80 (2.8)	ABCG5 (2.6)	GCKR (2.3)
TOMM40 (2.7)	PPM1G (2.5)	PGS1 (2.3)	GOT2P1 (2.2)	SUMO1 (2.0)
CARM1 (3.1)	GNAI3 (2.8)	GOT2P1 (2.5)	GSTM5 (2.3)	GSTM4 (2.2)
PGS1 (2.6)	ZNF513 (2.6)	TRIB1 (2.2)	HAVCR1 (2.0)	CETP (2.0)
DHODH (3.2)	DARS (3.0)	C12orf43 (2.5)	PPM1G (2.3)	ENSG00000226645 (2
PARP10 (1.7)	GDF5 (1.7)	OASL (1.6)	NFE2L3 (1.6)	PVR (1.6)
IGF2R (2.2)	ENSG00000226645 (2	SUGP1 (2.0)	DHX38 (1.9)	USP24 (1.8)
COL4A3BP (2.4)	MYLIP (2.1)	ENSG00000256731 (1	AMIGO1 (1.9)	KANK2 (1.8)
GDF5 (2.4)	LIPC (2.3)	ENSG00000226622 (2	CLPTM1 (2.2)	ABCA1 (2.0)
GSTM5 (2.4)	ABCA5 (2.3)	OBP2B (1.9)	ATP13A1 (1.8)	ATXN1L (1.7)
PGS1 (1.9)	PCSK9 (1.8)	HMGCR (1.6)	HAVCR1 (1.5)	ENSG00000226648 (1
NUP93 (2.8)	IFT172 (2.6)	AMPD2 (2.6)	MCM6 (2.5)	SARS (2.5)
MYLIP (2.8)	FNDC4 (2.7)	HAPLN4 (2.2)	MAFB (1.9)	BCAM (1.8)
TIMD4 (2.6)	PARP10 (1.7)	ZNF513 (1.6)	TRIB1 (1.6)	MAFB (1.5)
DOCK7 (2.4)	PVRL2 (2.1)	AMIGO1 (2.0)	ENSG00000254235 (1	YIPF2 (1.8)
COL4A3BP (2.3)	BUD13 (2.2)	RAB3GAP1 (1.9)	TRIB1 (1.8)	ABCA6 (1.7)
UBXN4 (3.3)	TOMM40 (3.2)	DARS (3.1)	PPM1G (2.7)	KPNB1 (2.6)
IZUMO1 (2.5)	ENSG00000226622 (2	ABO (2.0)	PMFBP1 (2.0)	DNAH11 (2.0)
PVRL2 (2.8)	PLEC (2.6)	IGF2R (2.5)	BCAM (2.4)	ST3GAL4 (2.4)
ABCA5 (2.1)	CYB561D1 (2.0)	HNF4A (1.9)	GNAT2 (1.9)	C11orf9 (1.9)
APOE (2.6)	ENSG00000228044 (2	ABCA6 (2.3)	APOC1 (2.3)	GOT2P1 (2.0)
APOE (2.6)	ENSG00000228044 (2	ABCA6 (2.3)	APOC1 (2.3)	GOT2P1 (2.0)
NFE2L3 (2.3)	ABCA6 (2.2)	GMIP (2.0)	TIMD4 (2.0)	ZNF513 (1.9)
HMGCR (5.3)	PCSK9 (3.6)	LIPG (2.9)	FNDC4 (2.6)	HAVCR1 (2.3)
HP (2.4)	TIMD4 (2.1)	GRINA (1.8)	PLEC (1.7)	IGF2R (1.7)
NOP58 (2.7)	AMPD2 (2.6)	SMARCA4 (2.3)	ZNF259 (2.3)	DARS (2.2)
FUT2 (2.4)	MAFB (2.3)	ST3GAL4 (2.1)	CBLC (2.0)	FUT1 (1.9)
R3HDM1 (2.1)	HAVCR1 (2.1)	ZNF513 (1.9)	ABCA5 (1.8)	ZNF821 (1.8)
SARS (2.3)	C12orf43 (2.3)	GPR61 (2.2)	GRINA (1.9)	NPEPPS (1.9)
DOCK6 (2.9)	ENSG00000226645 (2	TBKBP1 (2.3)	LIPG (2.1)	ENSG00000226622 (1
CILP2 (1.8)	HNF1A (1.7)	ABO (1.6)	CEP250 (1.5)	C11orf9 (1.5)
PLCG1 (2.2)	HNF1A (2.1)	HNF4A (2.0)	C11orf9 (2.0)	BCAM (1.7)
GATAD2A (2.5)	NPEPPS (2.5)	PLCG1 (2.4)	CLPTM1 (2.4)	MAP3K4 (2.4)
GDF5 (1.9)	RELB (1.8)	NFE2L3 (1.7)	C17orf57 (1.7)	LPAL2 (1.6)
C19orf52 (2.2)	SUGP1 (2.1)	CARM1 (2.0)	PPM1G (2.0)	LPAR2 (1.9)
MAFB (2.8)	PARP10 (2.0)	RAB3GAP1 (2.0)	NFE2L3 (1.8)	ABCA1 (1.6)
OBP2B (2.1)	FER1L4 (1.8)	FUT2 (1.7)	PVR (1.6)	C11orf9 (1.4)
APOA4 (1.8)	ABO (1.8)	ZHX3 (1.7)	ENSG00000226648 (1	OTX1 (1.7)
ZNF513 (2.4)	LPL (2.3)	CILP2 (2.2)	PVRL2 (2.2)	C11orf9 (1.9)
ANGPTL3 (2.6)	TM6SF2 (2.6)	DHODH (2.5)	ABCG5 (2.2)	SLC22A1 (2.2)
CETP (2.3)	AMPD2 (2.1)	TIMD4 (1.9)	NRBP1 (1.8)	LPAR2 (1.6)
CLPTM1 (2.6)	COL4A3BP (2.3)	ZNF513 (2.1)	ATXN1L (2.1)	ABO (1.8)
BCAM (3.6)	KRTCAP3 (3.2)	RASIP1 (3.0)	DOCK6 (2.4)	PVR (2.1)
OTX1 (2.6)	APOE (1.8)	ABCA1 (1.8)	SORT1 (1.7)	GRINA (1.6)
CEP250 (1.9)	OBP2B (1.6)	PVRL2 (1.4)	LIPG (1.4)	TSSK6 (1.4)
MAFB (2.1)	IGF2R (2.0)	GMIP (2.0)	ST3GAL4 (1.9)	PLEC (1.8)
PLEC (2.5)	FNDC4 (2.4)	DOCK6 (2.3)	KANK2 (2.3)	CBLC (2.3)

CETP (3.2)	BMPR2 (3.1)	PVR (2.4)	SLC22A3 (2.0)	FUT1 (1.9)
NPEPPS (2.5)	POLK (2.5)	ST3GAL4 (2.2)	BMPR2 (2.1)	ATXN1L (2.0)
TRAM2 (2.4)	ENSG00000228044 (2	OBP2B (2.0)	LIPG (1.9)	SPATC1 (1.7)
GNAI3 (2.2)	KPNB1 (2.2)	TOP1 (2.1)	ATP13A1 (2.1)	DARS (1.9)
MYLIP (1.9)	SLC22A1 (1.8)	NFE2L3 (1.7)	ABCA1 (1.6)	ENSG00000235545 (1
POLK (2.2)	IST1 (2.2)	ENSG00000231204 (2	ENSG00000226806 (2	GDF5 (2.0)
MAFB (2.8)	KRTCAP3 (2.4)	ABCA1 (2.3)	GMIP (2.2)	ENSG00000226645 (2
SORT1 (2.7)	LPA (2.3)	GPAM (2.3)	ENSG00000226648 (2	GRINA (2.0)
SLC22A2 (2.4)	SLC22A3 (2.3)	PVR (2.3)	C17orf57 (2.3)	KANK2 (2.2)
ATP13A1 (1.4)	CYB561D1 (1.4)	NFE2L3 (1.4)	ZNF513 (1.2)	GMIP (1.2)
CYP26A1 (2.5)	NYNRIN (2.2)	LIPG (2.1)	YIPF2 (2.1)	GSTM5 (1.8)
LDLR (2.0)	C19orf80 (1.9)	RASIP1 (1.9)	OBP2B (1.8)	APOA5 (1.8)
KPNB1 (2.9)	UBXN4 (2.8)	PPM1G (2.8)	SNX17 (2.5)	IST1 (2.4)
PVRL2 (2.9)	SLC22A2 (2.5)	LIPG (2.4)	YIPF2 (2.4)	FUT1 (2.1)
DARS (3.9)	TOMM40 (3.7)	ZNF259 (3.3)	KPNB1 (3.3)	SARS (2.8)
GSTM4 (1.7)	TIMD4 (1.6)	PCSK9 (1.6)	ATXN7L2 (1.5)	CETP (1.5)
NUP93 (2.9)	R3HDM1 (2.6)	FEN1 (2.6)	GATAD2A (2.6)	TOP1 (2.5)
TIMD4 (2.6)	LPL (2.3)	CILP2 (2.2)	DHODH (2.2)	LPA (2.1)
DHODH (3.1)	AMPD2 (2.7)	DARS (2.6)	DHX38 (2.5)	C12orf43 (2.2)
AMPD2 (2.1)	MAP3K4 (2.1)	ZNF259 (1.9)	NOP58 (1.8)	ATP13A1 (1.8)
GDF5 (2.3)	MAFB (2.3)	CYP26A1 (1.9)	APOE (1.8)	GPAM (1.7)
ZNF513 (2.2)	NFE2L3 (2.1)	PARP10 (2.1)	RELB (2.1)	ABCA6 (2.0)
SMARCA4 (2.9)	BUD13 (2.9)	CARM1 (2.8)	ATP13A1 (2.6)	MAU2 (2.3)
MAP3K4 (2.7)	NUP93 (2.6)	NPEPPS (2.5)	CARM1 (2.3)	DOCK7 (2.3)
SUMO1 (2.3)	ST3GAL4 (2.1)	NFE2L3 (2.1)	PARP10 (1.8)	ABCA6 (1.7)
DHODH (3.0)	DHX38 (2.8)	C12orf43 (2.8)	SUGP1 (2.7)	AMPD2 (2.6)
TOP1 (2.3)	OTX1 (2.2)	EHBP1 (2.0)	ABCG8 (1.9)	ZNF513 (1.8)
PPM1G (3.0)	TOP1 (3.0)	TOMM40 (3.0)	DHODH (2.9)	SUGP1 (2.8)
PSMA5 (2.0)	LPL (1.9)	ABCA1 (1.8)	GPAM (1.8)	ENSG00000244861 (1
HAPLN4 (1.9)	C12orf43 (1.8)	LPAL2 (1.8)	SLC22A1 (1.7)	DARS (1.6)
ATP13A1 (2.1)	C19orf80 (2.0)	BCAM (2.0)	PARP10 (1.9)	PLEC (1.9)
FADS1 (3.4)	HMGCR (2.4)	LPA (2.4)	DHODH (2.3)	APOA5 (2.3)
CELSR2 (2.4)	LPIN3 (2.2)	DOCK7 (2.1)	CBLC (2.1)	CLPTM1 (1.8)
UBXN4 (2.6)	OASL (2.4)	FUT2 (2.1)	MAU2 (2.0)	ENSG00000226806 (1
LPIN3 (2.5)	CELSR2 (2.4)	LPAR2 (2.4)	LIPG (2.2)	PVRL2 (2.0)
AMIGO1 (2.2)	ABCG8 (2.1)	DHODH (2.1)	YIPF2 (1.8)	LIPG (1.6)
ABCA6 (2.2)	USP24 (1.9)	NPEPPS (1.9)	MAFB (1.9)	PLEC (1.8)
KPNB1 (2.7)	SUMO1 (2.7)	ENSG00000236436 (2	C19orf80 (2.4)	PPM1G (2.4)
MAFB (3.1)	CEP250 (3.0)	GMIP (2.8)	PLCG1 (2.5)	IGF2R (2.2)
FADS1 (4.9)	PCSK9 (4.1)	ABO (2.5)	NPEPPS (2.4)	CARM1 (2.4)
NUP93 (3.1)	SARS (2.7)	TOMM40 (2.6)	PPM1G (2.5)	DARS (2.1)
CILP2 (1.9)	ENSG00000228044 (1	YIPF2 (1.6)	GSTM5 (1.5)	HAVCR1 (1.5)
GSTM4 (2.2)	ENSG00000254235 (2	NPEPPS (2.1)	PCSK9 (2.0)	CEP250 (2.0)
C11orf9 (2.8)	USP24 (2.6)	BMPR2 (2.4)	CARM1 (2.3)	MAP3K4 (2.2)
C11orf9 (2.6)	ZHX3 (2.5)	USP24 (2.4)	GATAD2A (2.2)	PLEC (2.1)
SUGP1 (2.3)	SARS (2.2)	ATP13A1 (2.0)	C12orf43 (1.9)	GATAD2A (1.9)
RELB (2.9)	ABCA6 (2.4)	LCT (2.2)	NFE2L3 (2.1)	SLC22A3 (2.1)
C19orf52 (2.4)	SLC22A2 (2.3)	LPAL2 (2.0)	LPL (2.0)	GPAM (2.0)
ENSG00000254235 (2	APOE (2.2)	PVR (2.1)	IGF2R (1.8)	SLC44A2 (1.8)
PVRL2 (2.9)	BCAM (2.2)	GATAD2A (2.1)	GNAI3 (1.9)	SORT1 (1.9)

GNAT2 (2.9) CELSR2 (2.4) HNF1A (2.1) RP1 (1.9) DNAH11 (1.8)
CEP250 (2.8) SMARCA4 (2.5) IZUMO1 (2.4) PBX4 (2.4) TRIB1 (2.1)
CELSR2 (2.1) OTX1 (1.9) IGF2R (1.8) PLCG1 (1.8) FADS1 (1.7)
RELB (2.8) SLC22A3 (2.4) PBX4 (2.0) TRIB1 (1.9) BMPR2 (1.8)
PBX4 (2.3) DOCK6 (2.2) ENSG00000235545 (1 NYNRIN (1.9) RASIP1 (1.8)
IFT172 (1.8) GSTM4 (1.8) ENSG00000244861 (1 NUP93 (1.7) DARS (1.7)
RELB (3.0) TIMD4 (2.6) PGS1 (2.5) GMIP (2.3) ZNF513 (2.2)
DHX38 (2.8) DHODH (2.8) C12orf43 (2.6) DARS (2.6) SUGP1 (2.4)
RAB3GAP1 (1.9) ENSG00000235545 (1 RELB (1.6) NPEPPS (1.6) BUD13 (1.6)
KPNB1 (2.8) NUP93 (2.8) NOP58 (2.8) DHX38 (2.7) GATAD2A (2.7)
TM6SF2 (4.5) ABCG5 (3.9) LPAL2 (3.5) ENSG00000236267 (3 OTX1 (3.2)
C11orf9 (1.7) ENSG00000182329 (1 ENSG00000226645 (1 CILP2 (1.7) ENSG00000228044 (1
DARS (3.3) DHODH (3.2) DHX38 (2.8) C12orf43 (2.5) PPM1G (2.3)
BCAM (1.8) PLCG1 (1.8) RAB3GAP1 (1.7) TOP1 (1.7) PLEC (1.7)
NFE2L3 (1.8) DNAH11 (1.7) HAVCR1 (1.7) ABCA1 (1.4) LIPC (1.4)
TIMD4 (1.8) LIPG (1.7) GSTM5 (1.7) NFE2L3 (1.6) APOE (1.5)
LIPG (2.5) ABO (2.2) GCKR (2.0) FNDC4 (2.0) ENSG00000231204 (1
DARS (3.4) PPM1G (2.9) C12orf43 (2.7) DHODH (2.7) AMPD2 (2.6)
FADS2 (1.8) APOE (1.7) ABO (1.7) ENSG00000244861 (1 SLC44A2 (1.4)
DHX38 (2.1) GRINA (2.0) PVR (2.0) MAU2 (1.9) ABCA5 (1.9)
NUP93 (2.8) IFT172 (2.7) MCM6 (2.5) SMARCA4 (2.5) AMPD2 (2.4)
LIPG (2.2) PLEC (2.2) PCSK9 (2.1) NYNRIN (2.0) ENSG00000256731 (2
DARS (2.6) KPNB1 (2.6) DHX38 (2.5) AMPD2 (2.4) ATP13A1 (2.4)
TIMD4 (1.6) SLC22A3 (1.6) ZNF513 (1.6) TRIB1 (1.5) CETP (1.5)
NUP93 (2.7) SUMO1 (1.8) PPM1G (1.8) ENSG00000254235 (1 KPNB1 (1.8)
CLPTM1 (1.8) ATXN1L (1.8) HNF4A (1.7) GRINA (1.5) GCKR (1.5)
PMFBP1 (1.9) CILP2 (1.8) ENSG00000228044 (1 YIPF2 (1.7) CYB561D1 (1.6)
NFE2L3 (3.4) NUP93 (2.6) NRBP1 (1.6) TOMM40 (1.5) SNX17 (1.5)
NFE2L3 (2.8) ST3GAL4 (2.3) ENSG00000228044 (1 MYLIP (1.8) LIPG (1.8)
C19orf52 (2.3) DHODH (2.2) MAU2 (2.1) APOE (2.1) NOP58 (2.0)
CEP250 (2.0) C11orf9 (1.9) PPM1G (1.9) PGS1 (1.8) ERGIC3 (1.8)
MAU2 (2.4) C12orf43 (2.3) PGS1 (2.2) IGF2R (2.2) TBKBP1 (2.1)
TRIB1 (1.9) LPL (1.7) ABO (1.7) YSK4 (1.6) PVRL2 (1.4)
ATP13A1 (2.8) FUT2 (2.6) ERGIC3 (2.4) OASL (2.1) SLC44A2 (2.0)
IFT172 (2.8) NUP93 (2.7) SMARCA4 (2.5) SARS (2.5) MCM6 (2.5)
BUD13 (2.4) CEP250 (2.1) FEN1 (2.1) PVRL2 (1.7) HMGCR (1.7)
NUP93 (2.8) IFT172 (2.7) MCM6 (2.5) SARS (2.5) AMPD2 (2.4)
LIPG (3.5) FUT1 (2.9) KRTCAP3 (2.9) YIPF2 (2.2) HNF4A (2.1)
CYP26A1 (2.1) NYNRIN (2.0) SLC22A1 (1.9) BCAM (1.8) BMPR2 (1.8)
GDF5 (2.3) CYP26A1 (2.1) BMPR2 (2.0) CILP2 (1.9) MYLIP (1.9)
PCSK9 (1.6) GPAM (1.5) OBP2B (1.5) ATP13A1 (1.5) TIMD4 (1.4)
TIMD4 (1.9) CETP (1.8) PCSK9 (1.7) GSTM4 (1.6) ATXN7L2 (1.5)
CELSR2 (1.8) CBLC (1.7) KRTCAP3 (1.7) ENSG00000226622 (1 MAP3K4 (1.5)
BCAM (2.4) MYLIP (2.0) TSSK6 (1.8) NYNRIN (1.7) NFE2L3 (1.7)
GOT2P1 (2.2) LIPG (2.1) FER1L4 (2.0) POC5 (1.9) ENSG00000236267 (1
TM6SF2 (2.4) PLG (2.2) FER1L4 (2.1) GSTM4 (2.1) LPA (2.0)
TM6SF2 (2.4) PLG (2.2) FER1L4 (2.1) GSTM4 (2.1) LPA (2.0)
ENSG00000244861 (2 CYB561D1 (2.2) C12orf43 (2.2) USP1 (1.9) DHX38 (1.9)
TIMD4 (2.3) LPA (2.1) SPATC1 (2.1) MAFB (2.0) SLC44A2 (1.8)
GRINA (3.2) GMIP (2.4) RAB3GAP1 (2.2) SARS (2.0) PLEC (1.9)

FUT2 (2.0)	ENSG00000236267 (1	FUT1 (1.8)	ENSG00000254235 (1	LPAR2 (1.7)
ZRANB3 (2.1)	KANK2 (2.0)	FER1L4 (2.0)	ABCA5 (1.8)	ZNF821 (1.8)
SLC22A3 (1.9)	RAB3GAP1 (1.9)	GPAM (1.8)	MAMSTR (1.7)	ENSG00000228044 (1
TIMD4 (2.5)	GMIP (2.0)	HAVCR1 (1.9)	MAFB (1.9)	ZNF513 (1.8)
CETP (2.8)	MAFB (2.1)	BMPR2 (2.1)	SLC44A2 (2.0)	GATAD2A (2.0)
CLPTM1 (2.5)	POC5 (2.4)	YIPF2 (2.1)	GATAD2A (1.9)	ENSG00000228044 (1
ENSG00000236267 (2	PLCG1 (2.0)	NFE2L3 (1.8)	LCT (1.8)	MAU2 (1.7)
TRAM2 (2.3)	C11orf9 (2.3)	OTX1 (2.3)	GRINA (2.1)	NYNRIN (2.1)
NYNRIN (2.2)	MAFB (2.1)	MYLIP (1.6)	ABO (1.4)	MAMSTR (1.4)
TOMM40 (3.4)	AMPD2 (2.9)	C12orf43 (2.7)	DARS (2.4)	DHX38 (2.2)
ENSG00000226806 (1	ENSG00000244861 (1	OASL (1.7)	GATAD2A (1.7)	PARP10 (1.7)
LIPG (2.5)	HNF1A (2.4)	MAP3K4 (2.2)	ENSG00000226806 (1	CBLC (1.8)
UBXN4 (2.4)	ENSG00000244861 (2	PGS1 (2.1)	MYLIP (1.8)	AMPD2 (1.7)
FER1L4 (2.0)	ABCA1 (1.9)	APOE (1.9)	ABCA6 (1.7)	NFE2L3 (1.7)
C19orf80 (2.3)	SORT1 (2.2)	ATXN7L2 (2.2)	ZNF821 (2.1)	SARS (2.1)
PPM1G (2.9)	RP1 (2.8)	NPEPPS (2.7)	DARS (2.7)	PSMA5 (2.6)
KANK2 (2.5)	C17orf57 (2.4)	SORT1 (2.2)	ENSG00000226806 (2	CILP2 (1.9)
ATXN7L2 (2.4)	CARM1 (2.4)	CBLC (2.4)	KANK2 (2.3)	GPAM (2.3)
TOMM40 (2.6)	SARS (2.4)	AMPD2 (2.4)	DHX38 (2.3)	PPM1G (2.3)
ABCA5 (1.9)	LPAL2 (1.9)	ENSG00000226806 (1	GCKR (1.8)	TM6SF2 (1.8)
GSTM5 (2.0)	CETP (1.9)	APOE (1.8)	ENSG00000228044 (1	LIPG (1.7)
ENSG00000226806 (2	LPAL2 (1.9)	C17orf57 (1.8)	PGS1 (1.6)	GNAT2 (1.6)
GDF5 (1.9)	ENSG00000244861 (1	MYLIP (1.9)	PLEC (1.8)	TRIM54 (1.7)
PLCG1 (2.6)	MAFB (2.5)	RELB (2.3)	RAB3GAP1 (2.2)	APOC1 (2.2)
LIPG (1.9)	CETP (1.8)	ENSG00000226806 (1	DHX38 (1.7)	OTX1 (1.6)
CYP26A1 (2.8)	MAFB (2.7)	ZNF821 (2.5)	PVRL2 (2.4)	GDF5 (2.4)
ENSG00000235545 (2	HAVCR1 (2.4)	YSK4 (2.3)	FGF21 (2.3)	GMIP (1.9)
NRBP1 (2.4)	RELB (2.3)	GRINA (2.1)	SLC44A2 (2.0)	GNAI3 (2.0)
SPATC1 (2.0)	ABO (2.0)	HAVCR1 (1.9)	SLC22A3 (1.7)	PLCG1 (1.7)
USP1 (2.1)	SUMO1 (2.0)	DOCK7 (1.9)	ENSG00000231204 (1	SMARCA4 (1.7)
SMARCA4 (2.4)	R3HDM1 (2.3)	GDF5 (2.2)	GMIP (2.2)	IGF2R (2.1)
SLC22A3 (1.9)	TSSK6 (1.9)	ABCA1 (1.8)	CELSR2 (1.7)	LPAR2 (1.7)
MAP3K4 (2.1)	IZUMO1 (1.9)	PVR (1.7)	C17orf57 (1.6)	RELB (1.6)
ENSG00000228044 (1	ENSG00000182329 (1	CILP2 (1.6)	ENSG00000226645 (1	C11orf9 (1.5)
MCM6 (2.4)	ZRANB3 (2.2)	FEN1 (2.2)	SNX17 (2.1)	PPM1G (2.0)
NFE2L3 (2.1)	GSTM4 (2.0)	TIMD4 (1.9)	KANK2 (1.9)	ABCA6 (1.9)
ENSG00000228044 (2	CBLC (2.1)	ATXN7L2 (1.9)	GDF5 (1.7)	PVR (1.6)
ATP13A1 (2.8)	RAB3GAP1 (2.4)	CLPTM1 (2.3)	GNAI3 (2.3)	NOP58 (2.2)
CEP250 (2.0)	PLCG1 (1.9)	USP24 (1.8)	APOE (1.8)	ENSG00000226806 (1
POLK (2.5)	YSK4 (2.5)	BCAM (2.4)	APOC1 (2.2)	NCAN (2.2)
GSTM4 (3.0)	PCSK9 (2.8)	LDLR (2.7)	HMGCR (2.6)	LPL (2.2)
GMIP (2.3)	SLC22A3 (2.0)	DHX38 (1.6)	ZHX3 (1.6)	IGF2R (1.5)
SORT1 (1.8)	LPL (1.8)	GNAT2 (1.6)	DHODH (1.6)	CYB561D1 (1.5)
LPL (2.5)	CBLC (2.4)	LIPG (2.3)	ERGIC3 (2.0)	CILP2 (1.9)
PVRL2 (2.3)	ENSG00000254235 (2	TBKBP1 (2.0)	LPA (1.9)	RASIP1 (1.9)
RAB3GAP1 (2.3)	SUGP1 (2.3)	TOP1 (2.1)	DHX38 (2.1)	SMARCA4 (2.0)
GDF5 (2.3)	SMARCA4 (2.2)	IGF2R (2.1)	GMIP (2.0)	AMPD2 (1.9)
NOP58 (2.8)	DHX38 (2.8)	USP1 (2.8)	IST1 (2.5)	SMARCA4 (2.5)
HNF1A (2.6)	ABO (2.5)	GDF5 (2.3)	ABCA5 (2.1)	ENSG00000228044 (1
C19orf80 (2.2)	GPAM (2.1)	HAPLN4 (1.9)	ENSG00000254235 (1	GRINA (1.6)

LPL (2.6)	POLK (2.3)	BCAM (2.0)	TBKBP1 (2.0)	ZNF513 (1.8)
MAFB (2.2)	PVR (2.1)	GSTM5 (2.0)	RASIP1 (1.9)	LIPG (1.9)
DHODH (2.2)	DARS (2.0)	FER1L4 (1.9)	LPL (1.9)	DNAH11 (1.9)
ZNF513 (2.1)	ENSG00000228044 (2	LPIN3 (1.8)	POLK (1.6)	MAU2 (1.5)
PLG (2.0)	APOC3 (1.9)	C19orf80 (1.9)	ENSG00000226806 (1	GCKR (1.8)
LCT (2.2)	ENSG00000236267 (2	CYB561D1 (2.1)	C11orf9 (2.0)	ABCG5 (1.9)
BCAM (2.2)	C11orf9 (2.1)	ZHX3 (2.1)	OTX1 (2.0)	SPATC1 (1.8)
PLCG1 (2.7)	NRBP1 (2.4)	TXNL4B (2.4)	ATXN1L (2.2)	RAB3GAP1 (2.1)
IFT172 (2.7)	AMPD2 (2.5)	DARS (2.3)	SARS (2.1)	GSTM4 (2.1)
TOMM40 (2.7)	KPNB1 (2.6)	DHX38 (2.3)	TOP1 (2.2)	ATP13A1 (1.9)
SLC22A2 (2.6)	LCT (2.6)	ENSG00000226806 (2	GPAM (2.1)	ENSG00000235545 (1
USP1 (2.9)	NUP93 (2.9)	CEP250 (2.6)	ZRANB3 (2.6)	PPM1G (2.4)
SPATC1 (3.1)	LIPC (3.1)	ENSG00000226622 (2	HNF4A (2.7)	APOC3 (2.7)
APOE (3.0)	ERGIC3 (2.8)	PLEC (2.7)	GRINA (2.6)	ABCA1 (2.5)
DOCK6 (2.9)	ENSG00000254235 (2	MAU2 (2.4)	RASIP1 (2.4)	ERGIC3 (2.3)
GDF5 (2.3)	SMARCA4 (2.3)	PARP10 (2.1)	R3HDM1 (2.1)	DHX38 (1.9)
DOCK7 (2.2)	GATAD2A (2.1)	TBKBP1 (2.1)	CEP250 (2.0)	NCAN (2.0)
MCM6 (2.0)	FEN1 (1.9)	CELSR2 (1.9)	BCAM (1.7)	PBX4 (1.7)
PMFBP1 (2.3)	FNDC4 (1.9)	ST3GAL4 (1.9)	ENSG00000236267 (1	SLC22A3 (1.7)
MAFB (2.4)	PARP10 (2.1)	PMFBP1 (2.0)	GMIP (1.8)	PLEC (1.7)
TRAM2 (3.2)	PVR (3.2)	BMPR2 (3.0)	IGF2R (2.4)	BCAM (2.2)
PPM1G (2.6)	SMARCA4 (2.4)	MCM6 (2.3)	NUP93 (2.2)	USP1 (2.1)
NUP93 (3.7)	UBXN4 (2.9)	USP1 (2.8)	KPNB1 (2.6)	PPM1G (2.5)
NUP93 (3.7)	UBXN4 (2.9)	USP1 (2.8)	KPNB1 (2.6)	PPM1G (2.5)
ZNF513 (1.9)	MYLIP (1.8)	MAFB (1.8)	PARP10 (1.7)	KANK2 (1.7)
ZNF513 (1.9)	MYLIP (1.8)	MAFB (1.8)	PARP10 (1.7)	KANK2 (1.7)
HAPLN4 (2.2)	DARS (2.1)	HNF1A (2.1)	ABCG8 (2.0)	GSTM4 (2.0)
C17orf57 (2.5)	C19orf80 (2.3)	NYNRIN (2.1)	RASIP1 (2.0)	LIPG (1.9)
GMIP (2.4)	CETP (2.4)	LCT (1.6)	ABCA1 (1.6)	TIMD4 (1.5)
CETP (2.4)	OASL (2.2)	MAFB (2.1)	GMIP (2.1)	PARP10 (2.0)
C19orf80 (2.0)	FNDC4 (1.9)	GSTM5 (1.9)	TBKBP1 (1.8)	OBP2B (1.8)
GDF5 (2.3)	GMIP (2.1)	SMARCA4 (1.9)	DHX38 (1.9)	IGF2R (1.8)
TM6SF2 (2.2)	ENSG00000236267 (2	PMFBP1 (2.1)	C11orf9 (2.1)	ABCG8 (2.0)
CARM1 (2.8)	BMPR2 (2.6)	IGF2R (2.6)	LPAR2 (2.6)	ZHX3 (2.5)
LIPG (2.3)	GDF5 (2.2)	CILP2 (2.2)	OBP2B (1.9)	TRAM2 (1.8)
ATP13A1 (2.0)	C12orf43 (2.0)	SUGP1 (2.0)	DARS (1.9)	TOMM40 (1.9)
C11orf9 (2.7)	CARM1 (2.7)	KANK2 (2.4)	COL4A3BP (2.4)	TRAM2 (2.3)
PMFBP1 (2.4)	NFE2L3 (2.2)	PLEC (2.1)	CELSR2 (2.0)	FUT2 (1.9)
NOP58 (3.0)	AMPD2 (2.9)	ZNF259 (2.8)	NUP93 (2.6)	KPNB1 (2.3)
LPAR2 (2.7)	IST1 (2.6)	FUT1 (2.5)	PVRL2 (2.2)	DHX38 (2.1)
CELSR2 (2.8)	RASIP1 (2.7)	TBKBP1 (2.6)	PVRL2 (2.5)	DOCK6 (2.5)
DARS (2.8)	CARM1 (2.8)	DOCK7 (2.8)	USP1 (2.7)	MAP3K4 (2.7)
LCT (2.0)	SLC22A3 (1.8)	APOA4 (1.8)	ENSG00000226648 (1	ENSG00000226645 (1
SARS (2.0)	MAMSTR (1.8)	IFT172 (1.7)	PVR (1.7)	UBXN4 (1.7)
USP24 (2.2)	ZNF513 (2.2)	NPEPPS (2.2)	ATXN1L (2.1)	RAB3GAP1 (2.0)
HAPLN4 (2.3)	MAMSTR (2.1)	ENSG00000226622 (2	ABCG8 (2.0)	TBKBP1 (1.8)
C19orf80 (2.4)	YSK4 (2.4)	HAVCR1 (2.4)	PCSK9 (2.2)	GPR61 (2.0)
PVR (2.5)	CELSR2 (2.3)	DOCK7 (2.3)	FUT2 (2.3)	APOA4 (2.2)
SMARCA4 (2.8)	IST1 (2.5)	DHX38 (2.4)	SUGP1 (2.2)	NOP58 (2.2)
C11orf9 (3.0)	BMPR2 (2.9)	IGF2R (2.7)	CARM1 (2.7)	USP24 (2.6)

C17orf57 (2.4)	ZNF513 (2.1)	KRTCAP3 (2.1)	LPIN3 (2.0)	SLC44A2 (1.9)
C17orf57 (2.4)	ZNF513 (2.1)	KRTCAP3 (2.1)	LPIN3 (2.0)	SLC44A2 (1.9)
ZNF821 (1.8)	FADS2 (1.8)	TRAM2 (1.7)	FADS1 (1.6)	COL4A3BP (1.5)
FUT1 (2.0)	PMFBP1 (2.0)	APOC1 (1.5)	IFT172 (1.5)	ENSG00000226648 (1
KPNB1 (2.5)	AMPD2 (2.5)	PPM1G (2.5)	MAU2 (2.4)	TOP1 (2.4)
CYP26A1 (2.7)	HMGCR (2.3)	PCSK9 (2.2)	IGF2R (1.8)	PLCG1 (1.5)
APOE (2.2)	KANK2 (2.1)	ABCA1 (2.0)	SLC44A2 (2.0)	TRAM2 (1.9)
ABCG5 (3.1)	GCKR (2.9)	HP (2.8)	ENSG00000231204 (2	APOA5 (2.6)
IZUMO1 (2.0)	BCAM (2.0)	LPAL2 (1.8)	MAP3K4 (1.8)	SLC22A3 (1.7)
C19orf80 (2.2)	PGS1 (2.1)	GRINA (2.1)	GSTM4 (2.0)	FADS2 (1.9)
LDLR (3.3)	FADS2 (2.9)	ERGIC3 (2.8)	IST1 (2.8)	ATP13A1 (2.3)
GSTM5 (2.6)	DNAH11 (2.4)	ABO (2.2)	LPAR2 (2.0)	EHBP1 (1.9)
TM6SF2 (3.0)	SLC22A1 (3.0)	LPA (3.0)	DNAH11 (2.8)	YSK4 (2.8)
FGF21 (2.6)	TIMD4 (2.5)	ABCA5 (2.3)	HAVCR1 (2.2)	AMIGO1 (2.1)
BMPR2 (1.8)	ATXN7L2 (1.8)	MYLIP (1.7)	PVRL2 (1.7)	OTX1 (1.5)
HP (2.2)	PLG (1.9)	GCKR (1.8)	YSK4 (1.8)	HNF1A (1.8)
SMARCA4 (2.3)	PPM1G (2.2)	CLPTM1 (2.2)	C12orf43 (2.1)	NUP93 (2.1)
C19orf80 (2.6)	HP (2.5)	APOC1 (1.8)	BCAM (1.8)	GRINA (1.8)
HAPLN4 (2.0)	CARM1 (1.9)	ATP13A1 (1.8)	ABO (1.7)	OTX1 (1.6)
KPNB1 (2.0)	RAB3GAP1 (1.7)	PLEC (1.7)	ENSG00000236436 (1	TOP1 (1.6)
FER1L4 (2.2)	POLK (2.1)	LIPG (2.1)	FUT1 (2.0)	IGF2R (1.9)
ZHX3 (1.8)	USP24 (1.8)	PVR (1.7)	SMARCA4 (1.7)	KPNB1 (1.6)
KRTCAP3 (2.7)	TM6SF2 (2.7)	HNF4A (2.6)	ENSG00000226806 (2	ST3GAL4 (2.3)
ENSG00000244861 (2	PBX4 (1.9)	PMFBP1 (1.9)	APOC1 (1.9)	HMGCR (1.8)
SLC44A2 (1.9)	NFE2L3 (1.8)	ERGIC3 (1.8)	ENSG00000228044 (1	ABCA1 (1.6)
SORT1 (2.3)	GPAM (2.3)	TRIM54 (2.0)	FUT2 (1.8)	SLC22A3 (1.7)
ABCG5 (3.2)	ABCG8 (3.0)	OBP2B (2.7)	FUT2 (2.5)	APOA4 (2.5)
COL4A3BP (2.0)	GPR61 (1.8)	AMIGO1 (1.7)	SPATC1 (1.4)	C11orf9 (1.4)
TM6SF2 (2.1)	APOB (2.0)	LIPG (2.0)	LCT (1.9)	GPR61 (1.7)
IST1 (3.1)	ZNF259 (2.8)	SMARCA4 (2.5)	MAU2 (2.3)	DARS (2.0)
DARS (2.4)	SARS (2.4)	DHX38 (2.3)	PPM1G (2.3)	GATAD2A (2.1)
DARS (2.4)	SARS (2.4)	DHX38 (2.3)	PPM1G (2.3)	GATAD2A (2.1)
DARS (2.4)	SARS (2.4)	DHX38 (2.3)	PPM1G (2.3)	GATAD2A (2.1)
SMARCA4 (2.5)	GDF5 (2.3)	IGF2R (2.2)	R3HDM1 (2.1)	GMIP (2.1)
DHODH (2.5)	SUGP1 (2.4)	AMPD2 (2.2)	DARS (2.1)	DHX38 (2.0)
NRBP1 (3.6)	SNX17 (3.0)	SUGP1 (2.7)	CLPTM1 (2.6)	PPM1G (2.5)
APOB (2.0)	LPL (2.0)	IZUMO1 (1.9)	LIPC (1.8)	APOA5 (1.8)
KPNB1 (3.1)	NFE2L3 (2.9)	TOMM40 (2.7)	SNX17 (2.5)	PPM1G (2.4)
CLPTM1 (2.4)	NFE2L3 (2.2)	TRAM2 (2.1)	IGF2R (2.1)	BCAM (1.8)
MAU2 (2.8)	C12orf43 (2.7)	SMARCA4 (2.7)	MAP3K4 (2.3)	ZNF259 (2.2)
TM6SF2 (2.5)	SLC22A1 (2.5)	GSTM5 (2.4)	ABCA5 (2.3)	ABCG8 (2.2)
NUP93 (2.4)	TOMM40 (2.1)	SUGP1 (2.0)	SNX17 (2.0)	KPNB1 (1.7)
SLC22A1 (2.3)	ST3GAL4 (2.2)	LPAL2 (2.1)	GCKR (1.8)	APOC4 (1.8)
ENSG00000226645 (2	SPATC1 (2.6)	ENSG00000226622 (2	C17orf57 (1.8)	IFT172 (1.8)
DHX38 (2.6)	YIPF2 (2.6)	USP24 (2.5)	UBXN4 (2.4)	DOCK7 (2.4)
RASIP1 (2.8)	IZUMO1 (2.7)	HNF1A (2.6)	ENSG00000256731 (2	ERGIC3 (2.2)
FER1L4 (2.8)	SLC22A1 (2.5)	DARS (2.4)	APOC4 (2.2)	ANGPTL3 (2.2)
NUP93 (2.8)	SNX17 (2.4)	PARP10 (2.2)	PPM1G (2.0)	NRBP1 (1.9)
DARS (2.8)	AMPD2 (2.6)	DHODH (2.6)	ATP13A1 (2.2)	DHX38 (2.2)
LIPG (2.9)	KANK2 (2.8)	ABCA6 (2.5)	FUT1 (2.4)	CELSR2 (2.2)

NYNRIN (2.8)	LIPG (2.7)	CELSR2 (2.2)	OBP2B (2.1)	PVRL2 (2.0)
FUT2 (2.2)	MAP3K4 (2.1)	LIPG (2.1)	LPAR2 (1.9)	PVRL2 (1.8)
EHBP1 (1.7)	CBLC (1.7)	TM6SF2 (1.5)	CYP26A1 (1.5)	PVRL2 (1.4)
CARM1 (2.8)	LPAR2 (2.6)	IGF2R (2.6)	COL4A3BP (2.4)	BMPR2 (2.2)
HMGCR (6.6)	PCSK9 (4.2)	LIPG (3.2)	ATP13A1 (2.8)	UBXN4 (2.8)
CARM1 (2.2)	KANK2 (2.1)	SNX17 (2.0)	MCM6 (2.0)	ENSG00000226622 (2
LPAR2 (2.6)	PGS1 (2.5)	LCT (2.3)	TRIB1 (2.3)	ABCG5 (2.2)
LCT (2.0)	TBKBP1 (1.9)	ENSG00000226806 (1	LIPC (1.6)	APOB (1.5)
KPNB1 (2.4)	ATP13A1 (2.0)	DHODH (2.0)	YIPF2 (2.0)	UBXN4 (1.9)
LPAR2 (3.0)	GPAM (2.7)	IGF2R (2.4)	KANK2 (2.4)	USP24 (2.4)
RP1 (2.3)	MAFB (2.2)	ST3GAL4 (2.2)	GNAT2 (2.2)	OTX1 (2.1)
SLC44A2 (2.3)	COL4A3BP (2.2)	IGF2R (2.1)	C19orf52 (1.9)	ENSG00000226648 (1
ENSG00000235545 (1	ZNF821 (1.7)	CBLC (1.6)	MYLIP (1.4)	NCAN (1.4)
PVR (3.1)	GMIP (2.9)	ZNF513 (2.8)	MAFB (2.7)	PARP10 (2.1)
PLEC (1.7)	GDF5 (1.7)	IST1 (1.7)	SPATC1 (1.7)	TBKBP1 (1.6)
LPAR2 (2.1)	ABO (1.9)	ZNF513 (1.8)	ENSG00000226645 (1	PGS1 (1.7)
TM6SF2 (4.5)	ABCG8 (4.0)	ABCG5 (3.8)	GCKR (3.5)	ENSG00000236267 (3
PPM1G (2.8)	UBXN4 (2.7)	SARS (2.7)	SUGP1 (2.7)	ZNF259 (2.6)
IZUMO1 (2.2)	LPL (2.0)	GMIP (1.9)	ST3GAL4 (1.9)	HP (1.8)
GNAI3 (2.5)	NUP93 (2.5)	KPNB1 (2.4)	SMARCA4 (2.3)	IST1 (2.2)
ATP13A1 (2.8)	COL4A3BP (2.6)	MAFB (2.3)	CYB561D1 (2.1)	PSRC1 (2.1)
DOCK7 (1.9)	HAVCR1 (1.9)	ABCA1 (1.6)	C12orf43 (1.5)	PSMA5 (1.4)
IST1 (3.1)	BUD13 (3.0)	NOP58 (2.7)	DOCK7 (2.5)	DHODH (2.5)
GDF5 (2.4)	SMARCA4 (2.3)	IGF2R (2.2)	GMIP (2.1)	R3HDM1 (2.0)
MCM6 (1.9)	USP24 (1.8)	NFE2L3 (1.8)	TIMD4 (1.8)	TBKBP1 (1.7)
DHX38 (2.6)	MAP3K4 (2.6)	ATXN7L2 (2.5)	TXNL4B (2.4)	ATP13A1 (2.3)
DHODH (2.5)	NOP58 (2.5)	ABCA5 (2.3)	GOT2P1 (2.1)	FADS2 (2.1)
MYLIP (1.9)	SUMO1 (1.6)	GRINA (1.6)	NFE2L3 (1.5)	ENSG00000235545 (1
SUMO1 (2.3)	BUD13 (2.0)	DARS (2.0)	USP1 (1.9)	PPM1G (1.8)
ABO (2.3)	RASIP1 (2.2)	PVR (2.0)	PVRL2 (2.0)	POLK (1.8)
ZNF259 (3.2)	PPM1G (3.0)	DARS (2.8)	CARM1 (2.6)	KPNB1 (2.5)
MAFB (1.8)	ZNF513 (1.8)	PLEC (1.8)	KANK2 (1.7)	GATAD2A (1.7)
CETP (2.8)	ENSG00000236436 (2	MAMSTR (2.4)	FUT2 (2.2)	SLC44A2 (2.2)
TOMM40 (3.3)	NUP93 (3.2)	DARS (2.8)	FADS2 (2.7)	AMPD2 (2.6)
ST3GAL4 (2.3)	TM6SF2 (2.1)	LPA (2.1)	PMFBP1 (2.0)	ABCG8 (2.0)
MYLIP (2.4)	PVRL2 (2.2)	GMIP (2.2)	PLEC (1.8)	USP24 (1.6)
CYB561D1 (2.1)	GOT2P1 (1.9)	TRIB1 (1.8)	TRAM2 (1.8)	IZUMO1 (1.7)
DHODH (2.4)	ABCG8 (2.4)	FUT1 (2.3)	TXNL4B (2.2)	ENSG00000254235 (2
NOP58 (2.9)	MAU2 (2.8)	BUD13 (2.7)	SUMO1 (2.4)	ZNF259 (2.3)
PCSK9 (2.2)	NPEPPS (2.2)	ENSG00000254235 (2	DARS (2.0)	IFT172 (1.9)
CLPTM1 (2.0)	APOC1 (2.0)	LPL (1.9)	EHBP1 (1.8)	YIPF2 (1.8)
CYP26A1 (2.5)	OBP2B (2.4)	C11orf9 (2.2)	APOC3 (2.0)	APOA4 (1.9)
ABCA5 (2.5)	CYP26A1 (2.1)	MAFB (2.0)	EHBP1 (1.9)	HAVCR1 (1.8)
PLCG1 (2.1)	YIPF2 (2.0)	ATP13A1 (1.9)	ENSG00000226806 (1	CLPTM1 (1.8)
NUP93 (2.7)	SUMO1 (2.0)	SNX17 (1.8)	TOMM40 (1.8)	IST1 (1.8)
ENSG00000231204 (2	SPATC1 (2.1)	ABCG8 (2.1)	ZHX3 (2.1)	ABCG5 (2.1)
ZHX3 (2.4)	SNX17 (2.1)	ENSG00000231204 (2	NRBP1 (2.0)	TRAM2 (2.0)
PPM1G (2.4)	ENSG00000228044 (2	FUT2 (2.2)	RELB (2.1)	GNAI3 (2.0)
C17orf57 (1.8)	MAP3K4 (1.7)	PVR (1.7)	LPAL2 (1.7)	ENSG00000244861 (1
LPAR2 (2.8)	GPAM (2.7)	USP24 (2.6)	CBLC (2.4)	COL4A3BP (2.2)

LPIN3 (3.0)	PVR (2.9)	AMIGO1 (2.4)	TRIB1 (2.0)	BCAM (1.9)
PVR (1.7)	ABCA1 (1.7)	C12orf43 (1.6)	TXNL4B (1.6)	RELB (1.6)
UBXN4 (2.6)	USP24 (2.5)	TOP1 (2.4)	GATAD2A (2.3)	LDLR (2.2)
GDF5 (2.1)	AMPD2 (2.0)	GSTM5 (1.9)	ZNF513 (1.9)	OBP2B (1.8)
SUMO1 (2.2)	TIMD4 (2.1)	TRIB1 (2.0)	LPA (1.8)	FER1L4 (1.7)
YIPF2 (2.6)	DARS (2.2)	AMPD2 (2.0)	SARS (2.0)	PPM1G (1.8)
DHX38 (2.3)	IFT172 (2.3)	PPM1G (2.2)	GSTM4 (2.2)	DARS (2.2)
SMARCA4 (2.8)	CARM1 (2.6)	LPAR2 (2.5)	DOCK6 (2.2)	CBLC (2.1)
USP24 (2.8)	MAP3K4 (2.7)	DOCK7 (2.7)	BUD13 (2.7)	MCM6 (2.6)
COL4A3BP (2.8)	ZHX3 (2.7)	PLEC (2.7)	MAU2 (2.4)	IGF2R (2.3)
C19orf80 (2.4)	LPA (2.3)	EHBP1 (2.2)	PCSK9 (2.1)	SLC22A3 (2.0)
NOP58 (2.8)	TOP1 (2.8)	USP1 (2.7)	SMARCA4 (2.7)	PPM1G (2.7)
GPAM (2.5)	APOC4 (2.4)	GSTM5 (2.3)	SLC22A3 (2.1)	ANGPTL3 (2.1)
DOCK7 (2.9)	USP1 (2.7)	ERGIC3 (2.2)	SARS (2.1)	SLC44A2 (2.1)
GMIP (2.9)	PARP10 (2.8)	ZNF513 (2.7)	MAFB (2.5)	PVR (2.4)
NUP93 (2.9)	SNX17 (2.1)	PPM1G (2.1)	PARP10 (1.9)	NRBP1 (1.9)
TM6SF2 (2.4)	OTX1 (2.0)	FNDC4 (1.9)	SLC22A2 (1.9)	CYP26A1 (1.9)
ENSG00000226622 (2	LDLR (2.0)	PMFBP1 (1.8)	CELSR2 (1.8)	TRIB1 (1.8)
GMIP (2.2)	NPEPPS (2.2)	CLPTM1 (2.1)	GNAI3 (1.7)	TOP1 (1.6)
CETP (2.4)	AMIGO1 (2.4)	GPR61 (2.2)	TIMD4 (2.1)	ABCA5 (2.1)
ENSG00000226622 (2	LDLR (2.3)	EHBP1 (2.2)	ENSG00000231204 (2	LPAL2 (2.0)
ABO (1.9)	NRBP1 (1.8)	COL4A3BP (1.8)	ATXN1L (1.7)	NYNRIN (1.7)
CELSR2 (2.1)	HMGCR (2.0)	FUT2 (1.8)	LDLR (1.8)	NFE2L3 (1.7)
NFE2L3 (2.5)	TOMM40 (2.1)	PPM1G (2.0)	NRBP1 (2.0)	KPNB1 (1.8)
NUP93 (2.8)	SNX17 (2.4)	PARP10 (1.9)	PPM1G (1.8)	TOMM40 (1.8)
PARP10 (2.6)	GDF5 (2.6)	SMARCA4 (2.5)	R3HDM1 (2.1)	DHX38 (2.0)
CARM1 (2.4)	CYP26A1 (2.2)	YSK4 (1.9)	ZNF821 (1.9)	GRINA (1.8)
MAFB (2.2)	BCAM (2.2)	CYP26A1 (2.0)	ANGPTL3 (1.9)	SLC22A2 (1.8)
NUP93 (2.9)	SNX17 (2.5)	PPM1G (1.9)	PARP10 (1.9)	SUGP1 (1.8)
NUP93 (2.9)	SNX17 (2.5)	PPM1G (1.9)	PARP10 (1.9)	SUGP1 (1.8)
NUP93 (2.9)	SNX17 (2.5)	PPM1G (1.9)	PARP10 (1.9)	SUGP1 (1.8)
CETP (2.6)	TIMD4 (2.5)	ANGPTL3 (2.5)	PLG (2.5)	HP (2.5)
C17orf57 (2.8)	ENSG00000226645 (2	ATXN7L2 (2.1)	FER1L4 (2.0)	ENSG00000231204 (1
C12orf43 (2.9)	DHX38 (2.6)	SARS (2.5)	TOMM40 (2.3)	SUGP1 (2.2)
TBKBP1 (1.9)	CETP (1.8)	RELB (1.8)	SLC44A2 (1.6)	LPL (1.5)
SUMO1 (2.7)	PPM1G (2.4)	DHX38 (2.4)	TOMM40 (2.4)	BUD13 (2.0)
ABCA6 (2.5)	APOE (2.4)	APOC1 (2.1)	ENSG00000228044 (1	HP (1.7)
DNAH11 (2.1)	FNDC4 (2.0)	SARS (1.9)	YSK4 (1.8)	GCKR (1.8)
PLEC (1.8)	CETP (1.7)	TRIM54 (1.6)	IFT172 (1.5)	ANGPTL3 (1.5)
NCAN (2.6)	GPAM (2.2)	TBKBP1 (2.1)	HNF4A (2.1)	BCAM (2.0)
HNF4A (2.2)	SLC22A1 (2.0)	NYNRIN (1.9)	EHBP1 (1.9)	DOCK6 (1.9)
CELSR2 (2.7)	PVRL2 (2.2)	LPAR2 (1.9)	LIPG (1.8)	ATXN1L (1.7)
PCSK9 (3.5)	HMGCR (3.3)	LDLR (3.0)	LPAL2 (2.4)	CYB561D1 (2.3)
SUMO1 (2.2)	PPM1G (2.2)	DARS (2.1)	SARS (2.1)	SMARCA4 (2.0)
FER1L4 (1.4)	CYP26A1 (1.4)	BMPR2 (1.4)	ATXN7L2 (1.4)	BCAM (1.3)
APOC1 (2.5)	ABCA1 (2.4)	SARS (2.3)	IFT172 (2.2)	USP24 (2.1)
EHBP1 (2.2)	OASL (2.0)	FADS1 (2.0)	GPAM (1.9)	FADS2 (1.9)
GSTM5 (2.4)	MAU2 (2.3)	OBP2B (2.2)	IGF2R (2.2)	SMARCA4 (2.0)
ENSG00000226622 (2	MAMSTR (1.9)	PLEC (1.9)	EHBP1 (1.8)	OTX1 (1.8)
NPEPPS (2.2)	IFT172 (2.2)	SORT1 (2.2)	KANK2 (1.8)	TRIM54 (1.7)

SLC22A2 (2.9)	ABCG8 (2.8)	APOA4 (2.5)	ABCG5 (2.3)	FUT1 (2.3)
NOP58 (2.1)	ENSG00000235545 (2	RP1 (2.0)	ENSG00000254235 (1	TOP1 (1.9)
LDLR (2.1)	ENSG00000244861 (2	GNAI3 (1.9)	KANK2 (1.9)	RASIP1 (1.7)
ENSG00000235545 (2	HNF4A (2.2)	GPR61 (1.9)	GPAM (1.9)	PMFBP1 (1.9)
EHBP1 (2.2)	CBLC (2.0)	C11orf9 (2.0)	CLPTM1 (1.9)	CETP (1.9)
HP (2.7)	ST3GAL4 (2.7)	C19orf80 (2.7)	MAU2 (2.1)	LPAL2 (1.8)
LDLR (2.2)	OBP2B (2.0)	SYPL2 (2.0)	ABO (1.8)	PVR (1.7)
ENSG00000182329 (2	MAFB (2.0)	ENSG00000231204 (1	CYP26A1 (1.9)	ENSG00000236436 (1
HMGCR (2.4)	IZUMO1 (2.2)	FADS1 (2.1)	HNF4A (2.0)	LDLR (1.8)
YIPF2 (2.8)	ZNF259 (2.8)	SNX17 (2.7)	SARS (2.7)	RAB3GAP1 (2.6)
GDF5 (2.6)	SMARCA4 (2.3)	IGF2R (2.3)	GMIP (1.9)	DHX38 (1.8)
ATP13A1 (3.2)	TRAM2 (3.0)	GRINA (3.0)	CYB561D1 (2.2)	AMIGO1 (2.2)
NFE2L3 (3.1)	TOMM40 (2.5)	NRBP1 (2.3)	IST1 (2.2)	SNX17 (1.8)
DHODH (3.3)	AMPD2 (2.7)	DHX38 (2.7)	DARS (2.6)	PPM1G (2.4)
MAU2 (2.6)	R3HDM1 (2.1)	GSTM5 (2.1)	GMIP (2.0)	AMPD2 (2.0)
LIPG (2.2)	IGF2R (1.9)	ENSG00000226648 (1	CBLC (1.9)	GSTM5 (1.8)
CYP26A1 (1.9)	GSTM4 (1.9)	FER1L4 (1.8)	CBLC (1.7)	CELSR2 (1.6)
CBLC (2.4)	FUT1 (2.3)	PMFBP1 (1.8)	DOCK6 (1.7)	BCAM (1.7)
LPL (2.5)	GPAM (2.5)	PLG (2.4)	LPAL2 (2.1)	ANGPTL3 (2.0)
GDF5 (2.3)	OBP2B (2.1)	PVR (2.0)	EHBP1 (2.0)	PVRL2 (1.6)
FNDC4 (1.8)	CARM1 (1.7)	LPAL2 (1.7)	ENSG00000254235 (1	FUT2 (1.5)
NUP93 (2.5)	SNX17 (2.2)	TOMM40 (1.8)	PARP10 (1.8)	PPM1G (1.8)
TOMM40 (2.8)	KPNB1 (2.7)	PPM1G (2.6)	SNX17 (2.6)	NFE2L3 (2.2)
LPL (1.8)	MYLIP (1.8)	ABCA5 (1.6)	GDF5 (1.6)	ABCA1 (1.6)
LPL (2.6)	TBKBP1 (2.5)	FUT1 (2.2)	LIPG (2.0)	GRINA (2.0)
LPL (2.6)	TBKBP1 (2.5)	FUT1 (2.2)	LIPG (2.0)	GRINA (2.0)
PVR (2.1)	CETP (2.1)	RELB (2.0)	MAFB (1.9)	RASIP1 (1.7)
LPAR2 (2.8)	ST3GAL4 (2.2)	ATXN1L (2.1)	DOCK6 (2.0)	HNF1A (1.8)
GATAD2A (2.7)	USP1 (2.6)	R3HDM1 (2.6)	SMARCA4 (2.4)	TOP1 (2.3)
ZNF821 (2.6)	LPAR2 (2.3)	NRBP1 (2.3)	C12orf43 (2.2)	ZNF513 (2.2)
CLPTM1 (3.3)	TRAM2 (2.3)	LIPG (2.2)	UBXN4 (2.0)	CEP250 (2.0)
NUP93 (2.7)	SNX17 (2.2)	PPM1G (2.1)	PARP10 (2.0)	NRBP1 (1.9)
NUP93 (2.7)	SNX17 (2.2)	PPM1G (2.1)	PARP10 (2.0)	NRBP1 (1.9)
RELB (1.9)	SUMO1 (1.6)	GPR61 (1.6)	GMIP (1.5)	SLC44A2 (1.5)
SLC22A1 (3.2)	GCKR (2.8)	FUT2 (2.7)	ANGPTL3 (2.3)	APOC4 (2.3)
KANK2 (2.5)	SLC22A3 (2.1)	PVR (2.1)	ABCA6 (2.0)	PARP10 (1.8)
SNX17 (2.2)	ENSG00000235545 (2	DARS (2.1)	ENSG00000226622 (2	DOCK7 (2.0)
PARP10 (2.6)	ST3GAL4 (2.2)	OASL (2.2)	ENSG00000235545 (2	ABCA1 (2.0)
DHX38 (3.0)	NOP58 (3.0)	SUGP1 (2.9)	USP1 (2.7)	SMARCA4 (2.6)
ZRANB3 (3.6)	NUP93 (2.0)	PSRC1 (1.9)	KPNB1 (1.9)	POC5 (1.9)
ENSG00000226645 (2	TIMD4 (1.9)	ENSG00000235545 (1	ABCA6 (1.7)	GMIP (1.7)
HNF4A (1.8)	IZUMO1 (1.8)	DOCK6 (1.7)	ABCA5 (1.7)	ENSG00000254235 (1
ENSG00000226806 (2	GPAM (2.4)	ST3GAL4 (2.1)	FNDC4 (1.9)	ABCA1 (1.6)
FER1L4 (2.6)	MAFB (2.5)	GRINA (2.1)	PVR (2.0)	RASIP1 (1.9)
CLPTM1 (2.1)	CEP250 (2.1)	LCT (1.9)	PARP10 (1.7)	ERGIC3 (1.7)
FUT1 (2.9)	KRTCAP3 (2.9)	LPAR2 (2.8)	HNF1A (2.2)	RAB3GAP1 (1.9)
PVRL2 (2.6)	HNF1A (2.1)	BCAM (2.0)	NFE2L3 (2.0)	FER1L4 (1.9)
ABCA6 (2.5)	ENSG00000226806 (2	CYB561D1 (2.1)	MAFB (2.1)	LPA (2.1)
SARS (2.0)	ZNF821 (2.0)	GATAD2A (1.9)	FGF21 (1.8)	MYLIP (1.7)
LPIN3 (2.0)	FGF21 (1.9)	FUT1 (1.8)	GSTM5 (1.8)	PVR (1.6)

TIMD4 (2.3)	IFT172 (2.3)	GRINA (2.1)	ZNF513 (2.1)	FUT1 (2.1)
NFE2L3 (2.4)	RELB (2.0)	PGS1 (1.8)	GRINA (1.7)	GMIP (1.6)
TOP1 (2.3)	HP (2.3)	TRIB1 (2.1)	ABO (1.9)	ST3GAL4 (1.8)
IZUMO1 (1.9)	ENSG00000244861 (1	C17orf57 (1.8)	BCAM (1.5)	GDF5 (1.4)
PSMA5 (1.7)	PLEC (1.6)	GNAI3 (1.6)	RAB3GAP1 (1.6)	DOCK7 (1.6)
PLCG1 (2.1)	SYPL2 (2.0)	ENSG00000235545 (1	C17orf57 (1.8)	GPAM (1.7)
PPM1G (3.1)	PSMA5 (3.0)	CLPTM1 (2.8)	KPNB1 (2.6)	ENSG00000236267 (2
NOP58 (2.5)	MCM6 (2.3)	KPNB1 (2.3)	USP1 (2.2)	NUP93 (2.2)
NOP58 (2.5)	MCM6 (2.3)	KPNB1 (2.3)	USP1 (2.2)	NUP93 (2.2)
AMIGO1 (2.5)	PVR (2.4)	CARM1 (2.4)	GDF5 (2.1)	PLEC (2.0)
ATXN7L2 (2.0)	IST1 (2.0)	C12orf43 (1.9)	PLEC (1.9)	BMPR2 (1.7)
C12orf43 (2.5)	ATP13A1 (2.5)	SARS (2.4)	TOMM40 (2.3)	PPM1G (2.3)
FADS1 (11.0)	PCSK9 (8.8)	LIPG (5.8)	LPAR2 (1.6)	FNDC4 (1.5)
HNF4A (3.6)	SLC22A1 (3.0)	HP (3.0)	APOC4 (3.0)	LPL (2.6)
BUD13 (3.1)	NUP93 (3.1)	NOP58 (2.8)	DHODH (2.5)	DOCK7 (2.4)
CYP26A1 (2.6)	BMPR2 (2.2)	KANK2 (2.2)	DOCK6 (2.0)	NYNRIN (1.8)
FADS1 (3.4)	FADS2 (3.3)	PCSK9 (3.2)	ATP13A1 (2.8)	IGF2R (2.4)
C17orf57 (2.5)	MAU2 (1.9)	NFE2L3 (1.6)	C19orf52 (1.6)	POLK (1.6)
GNAI3 (2.6)	FUT1 (2.4)	TOP1 (2.2)	GPR61 (2.2)	SARS (2.1)
C11orf9 (2.2)	HNF1A (2.0)	LPAR2 (1.9)	HNF4A (1.9)	TM6SF2 (1.9)
TIMD4 (1.7)	CETP (1.6)	PCSK9 (1.6)	SLC22A2 (1.5)	KANK2 (1.4)
CELSR2 (2.4)	DOCK7 (2.4)	DOCK6 (2.0)	BMPR2 (1.9)	ABCA1 (1.9)
C12orf43 (2.0)	BUD13 (1.7)	ABO (1.6)	PSMA5 (1.4)	PVR (1.4)
KANK2 (2.6)	ABCA1 (2.5)	DOCK6 (2.0)	LDLR (1.9)	ENSG00000256731 (1
HNF4A (3.1)	APOA5 (2.6)	C19orf80 (2.4)	ENSG00000228044 (2	BCAM (2.3)
PLCG1 (2.0)	SLC44A2 (1.9)	RAB3GAP1 (1.9)	CARM1 (1.9)	ENSG00000226622 (1
ATXN7L2 (2.0)	AMPD2 (1.7)	SLC22A1 (1.7)	DNAH11 (1.6)	FER1L4 (1.6)
FER1L4 (2.6)	AMIGO1 (1.9)	LPAL2 (1.9)	GOT2P1 (1.8)	GPR61 (1.8)
FUT2 (1.9)	GOT2P1 (1.8)	PLEC (1.7)	ST3GAL4 (1.7)	BCAM (1.7)
NUP93 (2.9)	SNX17 (2.5)	PARP10 (2.0)	PPM1G (2.0)	NRBP1 (1.8)
SPATC1 (2.3)	NYNRIN (2.2)	ATXN7L2 (1.9)	DOCK6 (1.8)	IFT172 (1.7)
NFE2L3 (2.6)	PARP10 (2.3)	PVR (2.3)	MYLIP (2.2)	MAFB (2.1)
SORT1 (2.9)	IGF2R (2.8)	IST1 (2.6)	ERGIC3 (2.3)	YIPF2 (2.1)
MAU2 (2.6)	NOP58 (2.5)	SMARCA4 (2.2)	NUP93 (2.2)	BUD13 (2.2)
NUP93 (2.9)	SNX17 (2.6)	SUGP1 (2.4)	NRBP1 (2.0)	IST1 (1.8)
PVR (2.1)	MYLIP (2.1)	KANK2 (1.9)	ZNF821 (1.7)	SLC44A2 (1.7)
ST3GAL4 (2.2)	TRAM2 (2.1)	SLC44A2 (2.0)	IGF2R (1.9)	TIMD4 (1.9)
PSRC1 (2.4)	FEN1 (2.4)	DHX38 (2.2)	DARS (2.1)	NUP93 (2.1)
MAFB (2.5)	PGS1 (2.4)	MAU2 (2.3)	PBX4 (2.1)	SMARCA4 (2.1)
CEP250 (2.4)	MAP3K4 (2.2)	ABCA1 (2.2)	USP1 (2.0)	C17orf57 (2.0)
NYNRIN (2.3)	ERGIC3 (2.2)	FEN1 (1.9)	PPM1G (1.9)	FUT1 (1.8)
CYB561D1 (2.1)	BMPR2 (2.0)	PGS1 (2.0)	POLK (1.9)	LPIN3 (1.8)
MAP3K4 (1.9)	IZUMO1 (1.7)	ENSG00000244861 (1	C17orf57 (1.6)	RELB (1.6)
TRIM54 (2.0)	PVRL2 (2.0)	SNX17 (1.9)	MAMSTR (1.8)	CBLC (1.8)
PLEC (2.6)	CILP2 (2.6)	APOE (2.5)	HMGCR (2.5)	LIPG (2.3)
LPL (2.8)	TBKBP1 (2.4)	DOCK6 (2.1)	SLC22A2 (1.7)	BMPR2 (1.7)
TBKBP1 (2.5)	BCAM (2.1)	LCT (2.1)	GRINA (2.0)	C11orf9 (2.0)
NYNRIN (2.1)	MAU2 (1.9)	KPNB1 (1.8)	GRINA (1.7)	SORT1 (1.7)
LCT (4.4)	C17orf57 (3.8)	APOA4 (3.2)	IZUMO1 (2.8)	ZHX3 (2.6)
CYB561D1 (2.1)	C11orf9 (2.1)	ENSG00000236267 (2	LCT (2.1)	GPR61 (1.9)

PVR (2.8)	MAFB (2.8)	ENSG00000226622 (2	GDF5 (2.1)	AMIGO1 (1.9)
ABCA1 (3.0)	GRINA (2.4)	ZNF513 (2.3)	GNAI3 (2.2)	CYB561D1 (2.1)
MAFB (2.4)	HP (2.3)	SORT1 (2.3)	ZHX3 (2.2)	ENSG00000256731 (2
GPR61 (1.9)	ABO (1.9)	OBP2B (1.9)	KPNB1 (1.8)	TOMM40 (1.7)
TRAM2 (2.9)	BMPR2 (2.8)	COL4A3BP (2.4)	USP24 (2.3)	NRBP1 (2.3)
LIPG (1.8)	BMPR2 (1.8)	GSTM5 (1.8)	TRAM2 (1.6)	KANK2 (1.6)
RELB (1.9)	NFE2L3 (1.8)	PVR (1.7)	CYB561D1 (1.7)	TRIB1 (1.7)
ZRANB3 (2.3)	HNF1A (1.8)	LPIN3 (1.8)	R3HDM1 (1.6)	ABCA6 (1.5)
TOMM40 (2.9)	NUP93 (2.4)	DARS (2.2)	FEN1 (2.1)	ZNF259 (1.9)
OBP2B (1.8)	PMFBP1 (1.7)	MYLIP (1.7)	ABCA5 (1.6)	AMIGO1 (1.6)
MAFB (2.7)	APOB (2.4)	APOE (2.4)	C11orf9 (2.3)	FNDC4 (2.2)
PLG (2.8)	ENSG00000256731 (2	BCAM (2.6)	LCT (2.4)	HNF1A (2.0)
CYP26A1 (2.3)	HNF4A (2.0)	OTX1 (1.9)	GDF5 (1.9)	SLC22A2 (1.8)
MAFB (2.2)	ENSG00000244861 (2	COL4A3BP (2.0)	APOE (1.9)	GPR61 (1.9)
TM6SF2 (3.2)	LCT (2.9)	BCAM (2.6)	SORT1 (2.2)	FUT2 (2.1)
ATXN1L (2.6)	TSSK6 (2.0)	ENSG00000236436 (1	PLG (1.8)	AMPD2 (1.8)
APOC1 (2.3)	GPAM (2.2)	MAFB (2.2)	ST3GAL4 (2.0)	EHBP1 (1.8)
DHODH (3.0)	C12orf43 (2.7)	DARS (2.7)	AMPD2 (2.6)	PPM1G (2.5)
PVRL2 (1.9)	BMPR2 (1.8)	APOA4 (1.7)	PLEC (1.6)	NYNRIN (1.6)
OTX1 (2.4)	BCAM (2.1)	CYB561D1 (2.0)	ENSG00000236267 (1	BMPR2 (1.8)
USP1 (2.7)	SMARCA4 (2.6)	BUD13 (2.5)	IST1 (2.5)	DHX38 (2.5)
RASIP1 (2.8)	APOA4 (2.6)	BCAM (2.5)	APOC3 (2.4)	DOCK6 (2.2)
GRINA (2.5)	CELSR2 (2.4)	TOMM40 (2.2)	BMPR2 (1.9)	ABO (1.9)
LPAR2 (2.2)	MAU2 (2.2)	HAVCR1 (2.1)	SORT1 (1.8)	ABCA5 (1.7)
MAP3K4 (2.1)	YSK4 (2.1)	KRTCAP3 (2.1)	PMFBP1 (2.1)	IGF2R (1.8)
ABCA6 (2.0)	PGS1 (2.0)	PVR (1.8)	CYB561D1 (1.7)	PMFBP1 (1.5)
FADS2 (9.4)	PCSK9 (7.2)	LIPG (4.4)	GSTM5 (2.2)	IGF2R (2.2)
TOMM40 (1.9)	NRBP1 (1.7)	MAFB (1.7)	TOP1 (1.6)	SLC44A2 (1.5)
ENSG00000226622 (3	FUT1 (3.1)	CBLC (2.8)	LIPG (2.5)	LPAR2 (2.5)
FADS2 (2.8)	DOCK7 (2.6)	HMGCR (2.5)	DNAH11 (2.5)	USP24 (2.2)
DOCK7 (2.6)	ZNF513 (2.0)	PPM1G (2.0)	DOCK6 (1.8)	COL4A3BP (1.6)
SLC44A2 (2.0)	ZRANB3 (2.0)	NUP93 (1.9)	FUT1 (1.7)	LPIN3 (1.7)
DARS (3.2)	AMPD2 (2.8)	DHX38 (2.7)	PPM1G (2.6)	DHODH (2.6)
TOMM40 (2.6)	DARS (2.6)	SARS (2.5)	AMPD2 (2.4)	DHX38 (2.1)
FEN1 (3.6)	NUP93 (3.5)	NFE2L3 (2.7)	KPNB1 (2.4)	PPM1G (2.3)
PVRL2 (2.1)	SLC44A2 (2.0)	FER1L4 (1.9)	ENSG00000226645 (1	TBKBP1 (1.6)
CYP26A1 (2.3)	OTX1 (2.3)	FUT2 (2.1)	GSTM5 (2.0)	HAVCR1 (1.9)
SLC22A3 (2.5)	SUMO1 (2.3)	LIPG (2.2)	COL4A3BP (2.1)	DARS (2.0)
PPM1G (2.4)	ENSG00000226648 (2	SNX17 (2.2)	MAP3K4 (2.0)	R3HDM1 (1.9)
R3HDM1 (2.4)	TRAM2 (2.1)	SLC22A3 (2.1)	PLCG1 (2.1)	TSSK6 (1.9)
HNF1A (2.3)	EHBP1 (2.3)	C19orf80 (2.2)	SLC22A3 (2.2)	PCSK9 (1.9)
ABO (1.8)	LPAL2 (1.6)	PMFBP1 (1.6)	OBP2B (1.6)	ABCA5 (1.6)
EHBP1 (2.7)	ZNF513 (2.6)	NRBP1 (2.5)	CEP250 (2.4)	TRIB1 (2.3)
TIMD4 (2.3)	TBKBP1 (2.1)	SLC44A2 (2.1)	SLC22A3 (2.1)	MAFB (2.0)
SLC22A2 (1.9)	HNF4A (1.8)	LIPC (1.6)	ENSG00000256731 (1	USP24 (1.6)
ERGIC3 (2.5)	ATP13A1 (2.3)	ZHX3 (2.2)	LCT (2.2)	TM6SF2 (2.1)
PARP10 (2.4)	GMIP (2.3)	MAFB (2.3)	NFE2L3 (2.2)	USP24 (1.9)
PARP10 (2.4)	GMIP (2.3)	MAFB (2.3)	NFE2L3 (2.2)	USP24 (1.9)
POLK (1.9)	GRINA (1.9)	PARP10 (1.8)	ENSG00000228044 (1	ABCA1 (1.8)
UBXN4 (2.1)	FER1L4 (2.1)	USP1 (2.0)	TOP1 (2.0)	C19orf52 (1.9)

NCAN (1.9)	PBX4 (1.8)	LIPG (1.8)	SORT1 (1.8)	FUT2 (1.6)
HNF4A (3.4)	APOA4 (3.4)	ANGPTL3 (2.5)	FUT2 (2.4)	LCT (2.4)
COL4A3BP (2.2)	C17orf57 (1.7)	ENSG00000231204 (1	GDF5 (1.6)	MAP3K4 (1.6)
NCAN (3.2)	PVRL2 (2.2)	FNDC4 (2.1)	PLEC (2.1)	LPAL2 (2.1)
USP1 (2.6)	MCM6 (2.2)	OTX1 (2.2)	MAFB (1.9)	FUT2 (1.9)
MAP3K4 (2.8)	DOCK7 (2.6)	KPNB1 (2.5)	MCM6 (2.4)	BUD13 (2.4)
IZUMO1 (2.3)	FUT1 (2.3)	CBLC (2.2)	CETP (2.0)	APOC1 (1.9)
SMARCA4 (2.4)	PLCG1 (2.1)	NRBP1 (1.9)	MAFB (1.8)	SNX17 (1.7)
CBLC (1.9)	ATXN1L (1.9)	C12orf43 (1.7)	CLPTM1 (1.7)	GRINA (1.7)
PVR (2.9)	NCAN (2.9)	ENSG00000231204 (2	SORT1 (2.2)	CELSR2 (2.1)
FUT1 (3.5)	RASIP1 (2.6)	BCAM (2.5)	PVR (2.1)	DOCK6 (2.1)
FUT1 (3.5)	RASIP1 (2.6)	BCAM (2.5)	PVR (2.1)	DOCK6 (2.1)
USP1 (3.9)	NUP93 (2.1)	DHX38 (2.0)	PPM1G (1.9)	MAFB (1.7)
NFE2L3 (2.9)	CETP (2.8)	PARP10 (2.7)	OASL (2.1)	ENSG00000235545 (1
HNF1A (2.3)	SARS (2.3)	SLC22A2 (2.1)	GCKR (2.0)	PLG (2.0)
SUMO1 (1.6)	POLK (1.6)	FGF21 (1.5)	OBP2B (1.5)	DARS (1.5)
ENSG00000226645 (1	C11orf9 (1.6)	ENSG00000182329 (1	MAP3K4 (1.4)	KRTCAP3 (1.4)
DHODH (2.7)	TRAM2 (2.2)	C12orf43 (2.1)	USP1 (2.1)	FEN1 (2.1)
C11orf9 (2.0)	HAVCR1 (2.0)	PBX4 (1.9)	CYB561D1 (1.8)	ENSG00000228044 (1
KPNB1 (2.4)	NUP93 (2.4)	SUMO1 (2.0)	NRBP1 (2.0)	SARS (1.7)
LPL (2.5)	APOE (2.1)	ENSG00000231204 (1	C17orf57 (1.5)	APOC1 (1.5)
LIPG (1.9)	MYLIP (1.9)	IFT172 (1.8)	ZNF821 (1.8)	POC5 (1.7)
GDF5 (2.4)	SMARCA4 (2.3)	IGF2R (2.2)	R3HDM1 (2.1)	GMIP (2.1)
MAU2 (2.5)	CARM1 (2.3)	BMPR2 (2.3)	MYLIP (2.3)	RAB3GAP1 (2.2)
ABCA1 (2.4)	SLC22A3 (2.1)	GMIP (2.0)	PLCG1 (2.0)	MAFB (1.8)
NUP93 (2.1)	KPNB1 (2.0)	IGF2R (2.0)	IST1 (2.0)	POLK (1.8)
HNF1A (3.0)	TRIB1 (2.9)	SLC22A2 (2.3)	ABCG5 (2.3)	APOC3 (2.1)
AMIGO1 (2.0)	PVR (1.9)	MAMSTR (1.8)	TXNL4B (1.7)	C17orf57 (1.6)
NUP93 (2.8)	SNX17 (2.8)	PPM1G (2.0)	TOMM40 (1.9)	PARP10 (1.8)
NUP93 (2.8)	SNX17 (2.8)	PPM1G (2.0)	TOMM40 (1.9)	PARP10 (1.8)
DARS (3.0)	NOP58 (2.9)	PPM1G (2.6)	UBXN4 (2.4)	GNAI3 (2.4)
ENSG00000226806 (1	TRIB1 (1.5)	MAFB (1.5)	SLC44A2 (1.4)	CEP250 (1.2)
TOMM40 (3.2)	UBXN4 (3.0)	SARS (2.7)	KPNB1 (2.4)	PPM1G (2.3)
GCKR (3.0)	LPIN3 (2.6)	YSK4 (2.0)	FER1L4 (1.9)	ENSG00000236267 (1
BUD13 (2.9)	DHX38 (2.9)	IST1 (2.8)	NOP58 (2.7)	FEN1 (2.5)
TBKBP1 (2.7)	LPAL2 (2.2)	SPATC1 (1.9)	DNAH11 (1.8)	ENSG00000231204 (1
TRAM2 (2.7)	OTX1 (2.4)	ABCA6 (2.2)	CELSR2 (2.1)	CBLC (1.9)
TRAM2 (2.7)	OTX1 (2.4)	ABCA6 (2.2)	CELSR2 (2.1)	CBLC (1.9)
TRAM2 (2.7)	OTX1 (2.4)	ABCA6 (2.2)	CELSR2 (2.1)	CBLC (1.9)
MAP3K4 (2.4)	C19orf80 (2.0)	ABO (2.0)	HMGCR (2.0)	BMPR2 (1.8)
TRIB1 (2.0)	SMARCA4 (1.6)	GATAD2A (1.6)	TOP1 (1.6)	GMIP (1.5)
C17orf57 (2.4)	IFT172 (2.4)	ERGIC3 (2.4)	YSK4 (2.4)	CYB561D1 (2.3)
CETP (1.5)	UBXN4 (1.5)	ATP13A1 (1.4)	TIMD4 (1.4)	SORT1 (1.3)
FADS1 (3.0)	PGS1 (2.8)	HMGCR (2.6)	LIPG (2.4)	ENSG00000228044 (2
MAU2 (3.1)	IFT172 (3.0)	PGS1 (2.9)	MAP3K4 (2.4)	YIPF2 (2.0)
TRIB1 (2.1)	TRAM2 (2.0)	RASIP1 (1.9)	PVRL2 (1.9)	GSTM5 (1.8)
ENSG00000228044 (2	C17orf57 (2.2)	BCAM (2.2)	FUT2 (2.1)	MAMSTR (2.0)
OTX1 (2.5)	GSTM5 (2.4)	ABO (2.3)	ST3GAL4 (2.2)	LPAR2 (1.9)
KRTCAP3 (3.0)	FUT1 (2.9)	ATXN1L (2.8)	CELSR2 (2.7)	PSRC1 (2.5)
NRBP1 (2.9)	TOP1 (2.3)	CARM1 (2.1)	COL4A3BP (2.1)	IST1 (2.0)

FUT2 (1.9)	GSTM5 (1.7)	ABCA6 (1.6)	ENSG00000256731 (1	MAFB (1.6)
MAP3K4 (1.9)	PVR (1.8)	LPAL2 (1.7)	GDF5 (1.7)	C17orf57 (1.6)
ABCA5 (2.2)	CYB561D1 (2.1)	BMPR2 (2.0)	GSTM5 (1.9)	OASL (1.6)
HAVCR1 (2.4)	R3HDM1 (2.2)	MAU2 (2.1)	ZNF513 (1.9)	PARP10 (1.8)
GMIP (2.8)	HAVCR1 (2.2)	PARP10 (2.1)	ENSG00000226806 (2	IZUMO1 (2.1)
LPAR2 (2.4)	FER1L4 (2.3)	PLEC (2.2)	NRBP1 (2.1)	COL4A3BP (2.0)
PCSK9 (2.5)	FADS1 (2.5)	FADS2 (2.5)	SLC22A1 (1.9)	C19orf80 (1.7)
APOE (2.3)	HAVCR1 (2.0)	DARS (1.9)	PGS1 (1.9)	SLC44A2 (1.8)
TRIB1 (2.1)	PVR (1.6)	FGF21 (1.5)	ZNF513 (1.5)	C17orf57 (1.5)
RELB (3.1)	CYB561D1 (2.4)	ENSG00000226806 (1	GMIP (1.6)	PVRL2 (1.4)
CETP (2.8)	CYB561D1 (2.4)	BCAM (2.3)	SLC44A2 (2.3)	CILP2 (2.1)
CETP (2.9)	APOE (2.5)	TRAM2 (2.4)	ENSG00000231204 (2	PVR (2.2)
LCT (4.1)	APOA4 (2.5)	PBX4 (2.5)	GCKR (2.3)	APOC4 (2.3)
SMARCA4 (2.0)	KPNB1 (2.0)	SUGP1 (2.0)	ENSG00000236436 (1	LPIN3 (1.9)
PPM1G (3.2)	NOP58 (2.9)	DHX38 (2.7)	USP1 (2.5)	IST1 (2.4)
ABCG5 (3.5)	SLC22A3 (3.2)	ANGPTL3 (3.0)	FGF21 (3.0)	ABCA5 (2.8)
SLC22A3 (2.2)	IGF2R (1.9)	NRBP1 (1.8)	MAFB (1.7)	SLC44A2 (1.7)
ABO (2.3)	NCAN (2.2)	GATAD2A (2.2)	SLC44A2 (2.1)	ATXN7L2 (2.0)
MAU2 (1.9)	AMPD2 (1.7)	ZNF513 (1.7)	DOCK7 (1.7)	NPEPPS (1.7)
C19orf80 (2.2)	ABCA5 (2.2)	ANGPTL3 (2.0)	GDF5 (2.0)	APOC1 (2.0)
SLC22A1 (2.5)	PLG (2.5)	MCM6 (2.4)	GOT2P1 (2.4)	SLC22A2 (2.4)
TRAM2 (2.5)	RASIP1 (2.3)	C17orf57 (2.3)	IGF2R (2.3)	APOE (2.2)
GNAT2 (2.5)	OBP2B (2.2)	CILP2 (2.2)	EHBP1 (2.2)	NYNRIN (1.8)
CLPTM1 (3.2)	LDLR (3.2)	FADS1 (2.8)	PCSK9 (2.5)	ERGIC3 (2.2)
BCAM (2.5)	FUT1 (2.5)	PLEC (2.3)	RASIP1 (1.9)	GNAI3 (1.8)
PARP10 (2.0)	GATAD2A (2.0)	NRBP1 (1.8)	LPIN3 (1.7)	FEN1 (1.6)
GSTM4 (2.2)	AMPD2 (2.1)	C19orf80 (2.1)	SPATC1 (2.0)	ENSG00000231204 (2
SLC44A2 (2.5)	C11orf9 (2.3)	IGF2R (2.2)	AMIGO1 (2.2)	PVRL2 (2.1)
MCM6 (2.6)	NUP93 (2.5)	USP1 (2.5)	POC5 (2.2)	BUD13 (2.0)
APOE (2.4)	ANGPTL3 (2.0)	AMPD2 (1.9)	IST1 (1.9)	GPR61 (1.9)
FUT2 (2.5)	IGF2R (2.4)	FER1L4 (2.3)	PVRL2 (2.3)	KRTCAP3 (2.1)
MCM6 (1.9)	KRTCAP3 (1.9)	FEN1 (1.8)	LPA (1.7)	BUD13 (1.6)
BCAM (2.1)	CILP2 (2.1)	KRTCAP3 (2.0)	HP (1.8)	APOC1 (1.6)
TOMM40 (2.7)	C12orf43 (2.5)	TRIB1 (2.4)	AMPD2 (2.3)	DHX38 (2.3)
ATXN1L (2.7)	LPAR2 (2.7)	IST1 (2.7)	CYB561D1 (2.2)	DOCK6 (2.2)
ENSG00000256731 (2	ABCA6 (2.2)	PVR (1.9)	BMPR2 (1.9)	GMIP (1.9)
YSK4 (2.2)	FNDC4 (2.1)	PCSK9 (2.1)	HAVCR1 (2.0)	LIPC (2.0)
RELB (2.2)	RASIP1 (2.0)	PGS1 (1.8)	LIPG (1.6)	TRAM2 (1.6)
OBP2B (2.0)	LPAL2 (2.0)	FUT2 (2.0)	DARS (2.0)	LPL (2.0)
TOP1 (3.1)	SMARCA4 (2.9)	KPNB1 (2.7)	IST1 (2.6)	DARS (2.5)
ENSG00000231204 (2	USP1 (2.2)	SUMO1 (1.9)	ZRANB3 (1.9)	DNAH11 (1.9)
PVR (1.8)	MAP3K4 (1.6)	IZUMO1 (1.6)	LPAL2 (1.6)	GDF5 (1.6)
GPAM (2.1)	SPATC1 (2.1)	ABCA5 (2.1)	TM6SF2 (2.1)	DARS (2.0)
GATAD2A (2.4)	BUD13 (2.2)	TOP1 (2.1)	AMPD2 (2.1)	SUGP1 (2.0)
LDLR (4.5)	PCSK9 (4.3)	GPAM (3.7)	LIPG (2.4)	PGS1 (2.3)
LDLR (4.5)	PCSK9 (4.3)	GPAM (3.7)	LIPG (2.4)	PGS1 (2.3)
NUP93 (2.9)	SNX17 (2.6)	PPM1G (1.9)	NRBP1 (1.8)	SUGP1 (1.7)
ENSG00000244861 (2	ZHX3 (2.6)	KANK2 (2.2)	ZNF821 (2.2)	CARM1 (2.1)
NOP58 (2.8)	BUD13 (2.8)	TOP1 (2.8)	NUP93 (2.8)	PPM1G (2.5)
PLG (2.3)	LIPG (2.2)	ABCA6 (2.0)	IGF2R (1.8)	PLEC (1.7)

MAFB (1.6)	SLC44A2 (1.5)	TRIB1 (1.5)	TIMD4 (1.5)	ENSG00000226806 (1
IGF2R (2.3)	PPM1G (2.2)	ATXN1L (2.2)	GRINA (2.1)	YIPF2 (1.9)
CARM1 (2.4)	RELB (2.3)	UBXN4 (2.3)	TRIB1 (2.1)	BMPR2 (2.1)
LIPC (1.7)	ST3GAL4 (1.7)	POLK (1.6)	NYNRIN (1.5)	SLC22A3 (1.5)
GMIP (2.5)	LPAR2 (2.3)	DOCK6 (2.3)	CBLC (2.3)	ATXN1L (2.1)
BMPR2 (2.1)	CYP26A1 (1.9)	ENSG00000231204 (1	DARS (1.7)	ATXN1L (1.6)
RELB (2.6)	SARS (2.2)	KPNB1 (1.9)	TOMM40 (1.9)	GNAI3 (1.8)
NFE2L3 (2.0)	ABCA1 (1.9)	GMIP (1.7)	LDLR (1.7)	ENSG00000236267 (1
NFE2L3 (2.4)	MAU2 (2.4)	HAPLN4 (2.1)	GDF5 (2.1)	DHX38 (1.9)
KPNB1 (2.5)	GATAD2A (2.4)	CARM1 (2.2)	SUGP1 (2.1)	MAU2 (2.0)
ENSG00000226622 (2	C11orf9 (2.1)	RASIP1 (2.0)	SLC22A2 (1.9)	SLC22A3 (1.8)
ATXN7L2 (2.2)	ABCA6 (1.9)	HNF4A (1.9)	TXNL4B (1.7)	C17orf57 (1.6)
HNF4A (1.9)	TM6SF2 (1.9)	APOC3 (1.9)	SLC22A1 (1.8)	ABCG5 (1.8)
ENSG00000244861 (1	SNX17 (1.9)	MAP3K4 (1.8)	NRBP1 (1.7)	ATXN1L (1.7)
PVRL2 (2.8)	DARS (2.6)	CARM1 (2.5)	SUGP1 (2.4)	FGF21 (2.2)
ABCA1 (1.7)	KRTCAP3 (1.7)	SORT1 (1.6)	TM6SF2 (1.5)	LCT (1.5)
DARS (2.8)	PPM1G (2.6)	KPNB1 (2.6)	TOP1 (2.5)	DHX38 (2.4)
ATXN7L2 (2.6)	ENSG00000226648 (2	HNF4A (2.2)	CEP250 (2.1)	NCAN (1.8)
POC5 (2.3)	ERGIC3 (2.3)	DHODH (2.2)	ENSG00000231204 (2	CLPTM1 (1.9)
USP1 (2.9)	CARM1 (2.8)	NPEPPS (2.7)	DARS (2.7)	POLK (2.6)
NPEPPS (2.6)	NRBP1 (2.5)	SARS (2.4)	USP24 (2.4)	PPM1G (2.1)
CYP26A1 (2.3)	IGF2R (2.3)	NYNRIN (2.1)	MYLIP (2.1)	KANK2 (2.0)
NUP93 (2.7)	SNX17 (2.3)	PPM1G (2.3)	PARP10 (1.9)	SUGP1 (1.8)
DARS (3.0)	NOP58 (2.9)	NUP93 (2.9)	PPM1G (2.9)	SMARCA4 (2.6)
ATP13A1 (2.1)	C19orf52 (2.0)	ATXN1L (1.9)	YIPF2 (1.8)	UBXN4 (1.7)
GDF5 (2.3)	DOCK7 (2.2)	IGF2R (1.9)	EHBP1 (1.7)	GATAD2A (1.7)
C11orf9 (2.0)	FNDC4 (2.0)	CELSR2 (1.9)	OBP2B (1.7)	ABO (1.6)
GSTM4 (2.0)	KANK2 (1.8)	PCSK9 (1.7)	SLC22A2 (1.7)	HAVCR1 (1.5)
FADS1 (4.5)	PCSK9 (4.1)	ENSG00000226622 (2	ENSG00000226648 (2	C17orf57 (2.2)
SMARCA4 (3.1)	BUD13 (3.0)	SUGP1 (2.8)	PPM1G (2.8)	NUP93 (2.7)
DNAH11 (2.2)	FUT2 (2.1)	PMFBP1 (2.0)	PGS1 (1.7)	FNDC4 (1.6)
KPNB1 (2.4)	PSMA5 (2.4)	SMARCA4 (2.4)	NUP93 (2.1)	NRBP1 (2.1)
NUP93 (2.6)	SNX17 (2.1)	PPM1G (2.0)	TOMM40 (1.8)	KPNB1 (1.7)
ATP13A1 (2.5)	ZNF513 (2.5)	ENSG00000226806 (1	GRINA (1.5)	CYB561D1 (1.5)
CELSR2 (2.1)	TIMD4 (2.1)	BCAM (1.9)	CILP2 (1.9)	GDF5 (1.8)
NUP93 (2.9)	SNX17 (2.3)	PPM1G (2.0)	PARP10 (1.9)	SUGP1 (1.8)
CELSR2 (2.5)	BCAM (2.3)	OBP2B (2.1)	ATXN1L (1.9)	PVRL2 (1.9)
SLC44A2 (2.1)	KRTCAP3 (1.8)	ST3GAL4 (1.8)	GSTM5 (1.6)	PGS1 (1.5)
YIPF2 (3.6)	TRAM2 (3.5)	CYB561D1 (2.1)	SORT1 (2.0)	SLC44A2 (1.7)
CELSR2 (2.2)	SLC44A2 (2.2)	NCAN (2.0)	TBKBP1 (1.9)	PLEC (1.9)
GATAD2A (2.3)	FNDC4 (2.3)	NPEPPS (2.3)	KPNB1 (2.1)	GRINA (2.1)
IZUMO1 (2.1)	GMIP (1.9)	DNAH11 (1.9)	KRTCAP3 (1.8)	PBX4 (1.7)
TRIB1 (2.2)	PARP10 (1.9)	IZUMO1 (1.8)	GOT2P1 (1.8)	TIMD4 (1.6)
SLC22A3 (1.8)	TRIB1 (1.6)	FADS2 (1.5)	USP24 (1.5)	PARP10 (1.5)
FEN1 (3.3)	SMARCA4 (3.1)	TOP1 (3.1)	NOP58 (2.9)	PPM1G (2.8)
PGS1 (2.3)	PLCG1 (2.2)	ENSG00000254235 (2	EHBP1 (2.0)	FADS1 (1.9)
GDF5 (2.3)	LPL (2.2)	OTX1 (2.1)	LCT (1.8)	MAFB (1.8)
DHX38 (2.9)	KPNB1 (2.9)	AMPD2 (2.4)	POC5 (2.3)	DARS (2.2)
ST3GAL4 (2.7)	OTX1 (2.2)	IFT172 (2.0)	CETP (2.0)	CBLC (1.8)
DOCK6 (2.6)	KANK2 (2.6)	PVR (2.1)	EHBP1 (1.8)	TRAM2 (1.7)

LIPC (1.8)	TRAM2 (1.7)	MAFB (1.7)	BCAM (1.6)	NFE2L3 (1.5)
PGS1 (2.5)	BUD13 (2.3)	NUP93 (2.1)	DHX38 (2.0)	ST3GAL4 (1.9)
ENSG00000231204 (1	C11orf9 (1.7)	GPR61 (1.7)	ABCA1 (1.7)	ENSG00000254235 (1
LIPG (3.0)	TBKBP1 (2.9)	TRAM2 (2.5)	NYNRIN (2.3)	MAFB (2.3)
CYP26A1 (2.0)	MAFB (1.9)	HAVCR1 (1.7)	LPA (1.7)	OBP2B (1.7)
KRTCAP3 (2.0)	YIPF2 (1.7)	ATP13A1 (1.6)	SLC44A2 (1.6)	LPIN3 (1.6)
LPL (2.3)	DOCK6 (2.1)	COL4A3BP (2.1)	SORT1 (2.1)	R3HDM1 (2.0)
TOP1 (3.0)	PPM1G (2.7)	NUP93 (2.7)	GATAD2A (2.6)	DARS (2.5)
NUP93 (2.7)	SNX17 (2.7)	PARP10 (1.9)	TOMM40 (1.8)	PPM1G (1.7)
ENSG00000236267 (1	GDF5 (1.7)	TSSK6 (1.7)	HNF4A (1.7)	TRAM2 (1.6)
TIMD4 (2.9)	GRINA (2.1)	ABCA1 (2.1)	NFE2L3 (1.9)	HAVCR1 (1.6)
PLEC (2.5)	FUT1 (2.1)	PVR (2.0)	SLC22A3 (1.8)	RELB (1.8)
CEP250 (3.2)	NUP93 (3.2)	IFT172 (3.1)	MCM6 (2.9)	ATP13A1 (2.7)
LIPG (2.7)	ATXN1L (2.5)	LPAR2 (2.4)	PVRL2 (2.3)	PSRC1 (2.1)
ENSG00000254235 (1	SPATC1 (1.7)	GPR61 (1.6)	APOA4 (1.5)	PMFBP1 (1.5)
NUP93 (2.8)	IFT172 (2.7)	MCM6 (2.7)	SARS (2.6)	AMPD2 (2.5)
DHODH (2.0)	AMPD2 (1.9)	DNAH11 (1.7)	DARS (1.7)	GATAD2A (1.6)
USP24 (2.8)	NUP93 (2.8)	USP1 (2.8)	BUD13 (2.6)	KPNB1 (2.6)
CETP (2.4)	SLC22A3 (2.0)	TRIB1 (2.0)	ABCA1 (1.9)	ENSG00000228044 (1
NFE2L3 (2.9)	PSMA5 (2.6)	SUGP1 (2.6)	SMARCA4 (2.5)	ZNF259 (2.3)
RAB3GAP1 (2.6)	USP24 (2.2)	USP1 (1.9)	KPNB1 (1.7)	IGF2R (1.7)
SARS (2.2)	SORT1 (2.2)	ST3GAL4 (2.1)	NPEPPS (1.9)	BUD13 (1.9)
PARP10 (2.8)	MAMSTR (1.7)	NFE2L3 (1.7)	PGS1 (1.6)	TRIB1 (1.6)
NYNRIN (2.1)	PLCG1 (1.6)	IZUMO1 (1.6)	SYPL2 (1.5)	TRAM2 (1.5)
ENSG00000231204 (2	PVRL2 (2.0)	LIPG (2.0)	CYP26A1 (2.0)	C11orf9 (1.8)
TRAM2 (2.2)	CILP2 (1.9)	MYLIP (1.8)	GSTM4 (1.8)	TRIB1 (1.7)
GMIP (2.1)	ENSG00000228044 (2	PARP10 (2.0)	NFE2L3 (1.9)	NYNRIN (1.8)
PPM1G (3.1)	UBXN4 (3.1)	DARS (3.1)	SNX17 (3.1)	PSMA5 (3.0)
CLPTM1 (2.2)	PVR (2.2)	NRBP1 (2.1)	DARS (2.0)	IST1 (1.9)
PLEC (2.2)	TM6SF2 (2.1)	PVRL2 (2.0)	GATAD2A (1.9)	APOA4 (1.8)
NPEPPS (2.3)	DARS (2.0)	SPATC1 (2.0)	PCSK9 (1.9)	TSSK6 (1.7)
ENSG00000228044 (2	GDF5 (2.2)	C11orf9 (2.0)	FUT1 (1.8)	GCKR (1.8)
PSMA5 (2.5)	R3HDM1 (2.4)	ENSG00000231204 (2	PARP10 (2.4)	NPEPPS (2.4)
C19orf52 (2.1)	SLC44A2 (2.1)	AMPD2 (2.0)	YIPF2 (2.0)	ENSG00000244861 (1
BCAM (2.2)	ENSG00000236436 (2	PVRL2 (1.9)	GDF5 (1.7)	NYNRIN (1.7)
OTX1 (2.5)	KRTCAP3 (2.3)	ST3GAL4 (2.1)	LIPG (1.9)	CBLC (1.8)
MCM6 (2.7)	POC5 (2.3)	USP1 (2.3)	BUD13 (2.3)	USP24 (2.2)
HNF4A (1.7)	PMFBP1 (1.6)	CILP2 (1.5)	HAVCR1 (1.4)	YSK4 (1.4)
PARP10 (2.7)	GSTM5 (2.6)	GMIP (2.6)	POLK (2.1)	SMARCA4 (2.1)
ENSG00000236267 (2	ST3GAL4 (2.2)	ENSG00000244861 (2	HNF1A (2.0)	LPIN3 (1.9)
PLEC (2.4)	NYNRIN (2.3)	DNAH11 (2.1)	OASL (2.1)	CEP250 (2.0)
APOE (2.6)	CETP (2.1)	ABCA1 (2.0)	C19orf52 (1.9)	YSK4 (1.9)
FUT2 (3.0)	LCT (2.3)	GSTM5 (2.3)	DOCK6 (2.2)	ENSG00000254235 (2
KRTCAP3 (1.8)	TOMM40 (1.7)	PSMA5 (1.7)	ENSG00000226645 (1	RASIP1 (1.5)
TRIB1 (2.0)	BUD13 (1.9)	BMPR2 (1.8)	FGF21 (1.7)	PLCG1 (1.6)
SMARCA4 (2.2)	GSTM4 (2.0)	ZHX3 (2.0)	SLC22A3 (1.9)	MAFB (1.7)
SLC22A1 (2.7)	FUT2 (2.7)	GCKR (2.3)	GPAM (2.1)	APOC1 (2.1)
ABCA5 (2.5)	ATP13A1 (2.4)	DARS (2.3)	NOP58 (2.2)	KPNB1 (2.0)
LIPG (2.1)	BCAM (2.0)	NYNRIN (2.0)	DOCK6 (1.8)	KANK2 (1.6)
SARS (2.7)	ABCA5 (2.6)	ABCG5 (2.5)	APOA4 (2.1)	ENSG00000256731 (2

ENSG00000244861 (2	SUMO1 (2.1)	RAB3GAP1 (2.0)	OASL (1.8)	PARP10 (1.8)
ENSG00000244861 (1	HAPLN4 (1.7)	HAVCR1 (1.7)	HNF4A (1.7)	ENSG00000236436 (1
MAFB (1.9)	IGF2R (1.8)	TBKBP1 (1.7)	KRTCAP3 (1.6)	TRIB1 (1.6)
GDF5 (2.4)	SMARCA4 (2.3)	IGF2R (2.2)	GMIP (2.0)	R3HDM1 (2.0)
POC5 (2.6)	MCM6 (2.3)	USP24 (2.3)	BUD13 (2.2)	DHX38 (2.2)
LDLR (5.7)	PCSK9 (4.9)	GSTM4 (3.8)	APOC1 (3.3)	GCKR (2.4)
GMIP (2.8)	OASL (2.8)	NFE2L3 (1.8)	CETP (1.7)	PBX4 (1.7)
TM6SF2 (2.7)	APOA4 (2.7)	LCT (2.1)	ENSG00000226806 (2	GOT2P1 (2.0)
MAFB (2.0)	PVR (1.9)	ST3GAL4 (1.9)	APOE (1.9)	NFE2L3 (1.8)
DOCK6 (2.3)	PVRL2 (2.2)	ZNF821 (2.1)	SORT1 (1.9)	GSTM5 (1.8)
ENSG00000236436 (2	OBP2B (2.1)	MYLIP (2.1)	NYNRIN (2.1)	KANK2 (1.9)
NOP58 (2.7)	PPM1G (2.6)	IST1 (2.5)	KPNB1 (2.4)	GNAI3 (2.4)
MAFB (1.8)	FUT2 (1.6)	OASL (1.5)	SLC22A3 (1.4)	TIMD4 (1.4)
ENSG00000228044 (1	TIMD4 (1.8)	POC5 (1.7)	PSMA5 (1.7)	SNX17 (1.6)
PPM1G (3.1)	SMARCA4 (3.0)	IST1 (2.7)	DARS (2.6)	DHX38 (2.6)
IST1 (2.7)	TOP1 (2.7)	DHX38 (2.6)	BUD13 (2.2)	DARS (2.2)
ATP13A1 (1.5)	SORT1 (1.5)	TIMD4 (1.4)	SLC22A1 (1.3)	PLCG1 (1.2)
NUP93 (3.0)	SNX17 (2.5)	SUGP1 (2.2)	NRBP1 (1.8)	POC5 (1.8)
NUP93 (2.7)	SNX17 (2.6)	PPM1G (2.0)	SUGP1 (1.8)	PARP10 (1.8)
CYB561D1 (2.9)	SORT1 (2.4)	HMGCR (2.1)	FADS1 (1.9)	YIPF2 (1.9)
LPA (3.0)	ENSG00000228044 (2	APOA5 (2.6)	GCKR (2.3)	HNF4A (2.3)
LPA (3.0)	ENSG00000228044 (2	APOA5 (2.6)	GCKR (2.3)	HNF4A (2.3)
LPA (3.0)	ENSG00000228044 (2	APOA5 (2.6)	GCKR (2.3)	HNF4A (2.3)
NUP93 (2.9)	SNX17 (1.9)	TOMM40 (1.8)	PARP10 (1.7)	SUGP1 (1.6)
LIPG (2.0)	BCAM (2.0)	NYNRIN (1.9)	DOCK6 (1.9)	ENSG00000226648 (1
SNX17 (2.9)	NUP93 (2.5)	PPM1G (2.5)	NRBP1 (2.2)	SUGP1 (1.8)
SNX17 (2.9)	NUP93 (2.5)	PPM1G (2.5)	NRBP1 (2.2)	SUGP1 (1.8)
SPATC1 (3.1)	SLC44A2 (2.3)	BMPR2 (2.3)	KANK2 (2.2)	FGF21 (2.1)
PMFBP1 (2.2)	ENSG00000228044 (2	C11orf9 (1.9)	IZUMO1 (1.8)	BCAM (1.7)
LPL (2.0)	YSK4 (2.0)	PLEC (1.9)	BMPR2 (1.9)	TRIB1 (1.8)
CYP26A1 (1.9)	CEP250 (1.6)	ENSG00000235545 (1	GPAM (1.4)	LIPG (1.2)
DHX38 (3.1)	NUP93 (3.0)	RELB (2.7)	USP1 (2.5)	ENSG00000226648 (2
ENSG00000228044 (2	PMFBP1 (1.9)	BCAM (1.8)	C11orf9 (1.8)	IZUMO1 (1.7)
SNX17 (2.3)	IFT172 (2.1)	ENSG00000226648 (2	PLCG1 (1.9)	OTX1 (1.9)
PVRL2 (2.2)	BCAM (2.1)	ZNF821 (1.8)	ENSG00000236436 (1	HAVCR1 (1.7)
GATAD2A (2.2)	GDF5 (1.9)	PLCG1 (1.7)	ATXN1L (1.7)	C12orf43 (1.6)
USP1 (2.8)	NOP58 (2.7)	SMARCA4 (2.6)	PPM1G (2.5)	BUD13 (2.4)
DHODH (3.0)	PCSK9 (3.0)	FADS1 (2.8)	HMGCR (2.1)	GOT2P1 (2.1)
BMPR2 (1.9)	ENSG00000254235 (1	AMIGO1 (1.8)	ST3GAL4 (1.7)	CBLC (1.7)
CETP (1.5)	TIMD4 (1.4)	SLC22A1 (1.4)	UBXN4 (1.3)	ATXN7L2 (1.2)
LIPG (2.6)	LPAR2 (2.4)	EHBP1 (2.3)	CELSR2 (2.2)	DOCK7 (2.0)
LPIN3 (1.7)	TRAM2 (1.7)	POLK (1.6)	NYNRIN (1.5)	GNAT2 (1.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)

SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
SMARCA4 (2.7)	TOMM40 (2.6)	NOP58 (2.5)	PPM1G (2.5)	KPNB1 (2.4)
GRINA (2.5)	PLEC (2.4)	NRBP1 (2.3)	ENSG00000236436 (2	NUP93 (2.2)
HNF1A (2.2)	PLEC (2.0)	ENSG00000226806 (1	NYNRIN (1.9)	OTX1 (1.8)
LIPC (2.1)	ANGPTL3 (1.8)	DNAH11 (1.7)	GOT2P1 (1.5)	PLG (1.5)
ERGIC3 (2.5)	GSTM4 (2.3)	ENSG00000226806 (1	SORT1 (1.7)	ABCA1 (1.6)
GMIP (1.8)	ENSG00000182329 (1	YSK4 (1.7)	ENSG00000235545 (1	OASL (1.6)
LCT (2.4)	APOA4 (2.0)	MAFB (2.0)	TIMD4 (1.8)	LIPG (1.8)
APOE (2.8)	COL4A3BP (2.4)	APOC4 (2.3)	PVR (2.2)	PLG (2.1)
LCT (2.5)	APOC3 (2.1)	TSSK6 (1.9)	APOB (1.7)	TRIM54 (1.5)
LDLR (2.0)	ENSG00000226645 (1	ZNF513 (1.8)	ENSG00000244861 (1	PBX4 (1.8)
RAB3GAP1 (1.8)	ATXN1L (1.8)	USP24 (1.7)	SMARCA4 (1.7)	NPEPPS (1.7)
ENSG00000226806 (2	ENSG00000256731 (1	HP (1.8)	SLC44A2 (1.7)	CEP250 (1.7)
GPR61 (2.3)	ABCA6 (2.2)	HAVCR1 (2.1)	ENSG00000236267 (1	PVR (1.8)
GDF5 (1.8)	ABCA5 (1.8)	MYLIP (1.7)	C17orf57 (1.7)	GPAM (1.4)
CYP26A1 (2.1)	ZNF821 (2.0)	PVR (2.0)	PVRL2 (1.9)	SLC22A1 (1.7)
GRINA (3.8)	NFE2L3 (3.5)	PARP10 (2.7)	ABO (2.6)	PLEC (2.5)
TOP1 (2.1)	PPM1G (2.0)	ATP13A1 (2.0)	KPNB1 (2.0)	ZNF259 (2.0)
LDLR (4.5)	PCSK9 (4.3)	GPAM (3.5)	LIPG (2.4)	PGS1 (2.3)
LDLR (4.5)	PCSK9 (4.3)	GPAM (3.5)	LIPG (2.4)	PGS1 (2.3)
MYLIP (1.7)	SPATC1 (1.6)	ZNF821 (1.5)	TOP1 (1.4)	TSSK6 (1.4)
KPNB1 (2.3)	SMARCA4 (1.7)	MAP3K4 (1.6)	TOMM40 (1.5)	ST3GAL4 (1.5)
USP1 (3.4)	CEP250 (2.4)	PPM1G (2.0)	DHODH (2.0)	NUP93 (1.9)
NUP93 (3.0)	USP1 (2.9)	NOP58 (2.7)	IST1 (2.6)	SUGP1 (2.6)
NUP93 (2.8)	SNX17 (2.5)	PARP10 (2.4)	PPM1G (1.7)	TOMM40 (1.7)
NUP93 (2.8)	SNX17 (2.5)	PARP10 (2.4)	PPM1G (1.7)	TOMM40 (1.7)
NUP93 (2.8)	SNX17 (2.5)	PARP10 (2.4)	PPM1G (1.7)	TOMM40 (1.7)
PLEC (2.6)	MAMSTR (2.2)	SYPL2 (2.2)	BCAM (2.1)	CLPTM1 (1.9)
GOT2P1 (2.4)	PGS1 (2.3)	C17orf57 (2.3)	DNAH11 (2.2)	ABCA6 (2.1)
GSTM5 (1.5)	MAMSTR (1.5)	SLC22A3 (1.5)	SLC22A1 (1.5)	IZUMO1 (1.4)
SLC44A2 (2.7)	PBX4 (2.3)	PLCG1 (2.0)	PARP10 (1.7)	TIMD4 (1.6)
BUD13 (3.0)	IST1 (3.0)	SMARCA4 (2.9)	NOP58 (2.9)	NUP93 (2.6)
SMARCA4 (2.1)	ERGIC3 (2.0)	DHX38 (1.8)	SNX17 (1.8)	DOCK7 (1.8)
PLEC (2.8)	BCAM (2.6)	C17orf57 (1.9)	ABCG8 (1.7)	PMFBP1 (1.6)
TRIB1 (2.5)	COL4A3BP (2.5)	PARP10 (2.3)	GMIP (2.3)	TIMD4 (2.1)
DOCK6 (2.3)	C11orf9 (2.2)	IGF2R (2.2)	CYP26A1 (1.9)	ZHX3 (1.8)
PPM1G (3.7)	DARS (3.0)	SARS (2.9)	GNAI3 (2.8)	NUP93 (2.5)
IGF2R (1.8)	FER1L4 (1.8)	HNF1A (1.7)	KRTCAP3 (1.7)	COL4A3BP (1.7)
ATP13A1 (2.4)	DHX38 (2.3)	C12orf43 (2.3)	DARS (2.2)	SARS (2.2)
ATP13A1 (2.4)	DHX38 (2.3)	C12orf43 (2.3)	DARS (2.2)	SARS (2.2)
FADS1 (2.9)	CLPTM1 (2.6)	ABCA5 (2.4)	FADS2 (2.4)	PVR (2.0)
IGF2R (2.1)	SPATC1 (1.8)	DHODH (1.7)	LPAL2 (1.6)	FADS2 (1.6)
IST1 (2.8)	NPEPPS (2.7)	RAB3GAP1 (2.5)	MAP3K4 (2.2)	KPNB1 (2.2)
KPNB1 (2.5)	FADS1 (2.0)	SPATC1 (1.9)	PLEC (1.9)	PMFBP1 (1.8)
MAFB (2.0)	LPAL2 (2.0)	ENSG00000235545 (1	ENSG00000226622 (1	ABO (1.5)
NUP93 (2.7)	SNX17 (2.6)	PPM1G (1.9)	NRBP1 (1.8)	SUGP1 (1.8)

DOCK7 (1.7)	KANK2 (1.6)	SPATC1 (1.6)	ABCA5 (1.5)	EHBP1 (1.5)
MYLIP (2.0)	CYP26A1 (1.9)	DOCK6 (1.9)	BMPR2 (1.8)	ENSG00000254235 (1
ZRANB3 (2.5)	MAP3K4 (2.4)	TRIB1 (2.2)	DOCK7 (2.2)	PSRC1 (2.0)
TRIM54 (2.3)	TRIB1 (2.2)	GRINA (2.1)	IFT172 (1.9)	ABCA1 (1.8)
NUP93 (3.0)	NOP58 (2.8)	IST1 (2.7)	PPM1G (2.5)	SUGP1 (2.4)
ATP13A1 (3.1)	CLPTM1 (2.3)	CYB561D1 (2.1)	C19orf52 (1.6)	GNAT2 (1.5)
SLC22A1 (3.2)	GCKR (2.9)	APOC4 (2.9)	LPA (2.4)	FADS1 (2.4)
TRAM2 (2.1)	CYP26A1 (2.0)	FUT2 (2.0)	SORT1 (2.0)	AMIGO1 (2.0)
GNAI3 (2.1)	NPEPPS (2.1)	PSMA5 (2.1)	NUP93 (2.0)	KPNB1 (2.0)
HAVCR1 (1.9)	GPR61 (1.8)	FER1L4 (1.8)	TRIM54 (1.7)	CYP26A1 (1.7)
KANK2 (2.1)	BUD13 (1.8)	DHX38 (1.8)	MAU2 (1.7)	NPEPPS (1.7)
FUT1 (1.8)	TSSK6 (1.8)	DNAH11 (1.7)	ENSG00000226648 (1	ENSG00000231204 (1
ENSG00000182329 (1	TOMM40 (1.5)	LCT (1.5)	NRBP1 (1.5)	KPNB1 (1.5)
NUP93 (3.0)	NPEPPS (2.2)	KPNB1 (2.2)	SUMO1 (2.1)	TOMM40 (1.9)
PVRL2 (2.6)	KANK2 (2.5)	NYNRIN (2.2)	BMPR2 (1.9)	OTX1 (1.9)
NPEPPS (1.8)	MAFB (1.7)	ZNF513 (1.6)	GPR61 (1.5)	COL4A3BP (1.5)
TOP1 (2.3)	IST1 (2.2)	TIMD4 (2.0)	MCM6 (1.9)	PPM1G (1.9)
SLC22A2 (2.0)	ENSG00000236267 (2	ABCA1 (1.8)	CYP26A1 (1.8)	USP24 (1.7)
NUP93 (2.7)	SNX17 (2.7)	PPM1G (1.9)	TOMM40 (1.8)	SUGP1 (1.8)
FER1L4 (1.8)	FUT2 (1.8)	ENSG00000226622 (1	OBP2B (1.6)	TRAM2 (1.5)
ENSG00000226622 (2	PCSK9 (2.5)	FADS2 (2.5)	TM6SF2 (2.3)	HMGCR (2.1)
ENSG00000226645 (2	BMPR2 (2.2)	ABCA6 (2.0)	ZNF513 (1.9)	TRAM2 (1.7)
PSRC1 (3.7)	SUGP1 (1.8)	PGS1 (1.7)	PVR (1.7)	ENSG00000228044 (1
SUGP1 (2.5)	ATP13A1 (2.3)	USP24 (2.0)	RAB3GAP1 (1.9)	C19orf52 (1.9)
ENSG00000256731 (2	SLC22A3 (2.0)	PVR (1.9)	ENSG00000226806 (1	FNDC4 (1.8)
ENSG00000256731 (2	LDLR (2.0)	GDF5 (1.9)	FADS1 (1.9)	PLCG1 (1.8)
PPM1G (2.5)	MCM6 (2.2)	FEN1 (2.0)	UBXN4 (2.0)	CELSR2 (1.9)
PSMA5 (2.5)	PLEC (2.3)	GRINA (2.2)	NPEPPS (1.9)	LDLR (1.8)
ABO (2.2)	FER1L4 (2.1)	ST3GAL4 (2.0)	FNDC4 (1.9)	GCKR (1.7)
DARS (2.7)	C12orf43 (2.6)	AMPD2 (2.4)	DHX38 (2.4)	PPM1G (2.2)
MAP3K4 (1.9)	C17orf57 (1.7)	GDF5 (1.7)	RELB (1.5)	LPAL2 (1.4)
BMPR2 (2.1)	COL4A3BP (2.0)	ZNF513 (2.0)	GNAI3 (1.9)	MYLIP (1.8)
ST3GAL4 (2.6)	ABO (2.6)	GSTM5 (2.6)	DNAH11 (2.5)	ENSG00000231204 (2
PLEC (3.0)	KRTCAP3 (2.9)	LIPG (2.8)	RASIP1 (2.6)	PVR (2.4)
ZNF513 (2.1)	ENSG00000226645 (2	LDLR (1.8)	LPAL2 (1.7)	SYPL2 (1.7)
APOE (2.3)	CYB561D1 (1.8)	MAU2 (1.7)	TIMD4 (1.6)	ZHX3 (1.5)
FUT2 (2.1)	LPAL2 (2.1)	OTX1 (1.6)	ENSG00000226806 (1	OBP2B (1.5)
ANGPTL3 (2.8)	FUT1 (2.6)	GCKR (2.3)	PLG (2.3)	SLC22A2 (2.2)
PPM1G (2.8)	SMARCA4 (2.8)	TOP1 (2.7)	USP1 (2.7)	SUGP1 (2.6)
RELB (2.6)	ATP13A1 (2.5)	GRINA (2.4)	TOP1 (1.8)	C19orf80 (1.8)
COL4A3BP (1.9)	PLEC (1.7)	ABCA1 (1.7)	CEP250 (1.6)	C17orf57 (1.5)
BCAM (2.4)	C11orf9 (2.2)	TRIB1 (2.1)	OTX1 (2.0)	LCT (1.9)
CEP250 (2.4)	SARS (2.3)	GPR61 (2.3)	ERGIC3 (2.0)	DOCK7 (1.8)
RELB (1.9)	ENSG00000244861 (1	LPAL2 (1.7)	MAP3K4 (1.7)	C17orf57 (1.6)
KPNB1 (1.7)	IFT172 (1.6)	GATAD2A (1.5)	LIPG (1.5)	IST1 (1.5)
BCAM (2.3)	C17orf57 (2.0)	LIPC (1.9)	RAB3GAP1 (1.8)	BMPR2 (1.7)
ST3GAL4 (1.9)	GATAD2A (1.7)	PVRL2 (1.7)	PLEC (1.7)	GMIP (1.6)
NUP93 (3.0)	SNX17 (2.5)	SUGP1 (2.4)	NRBP1 (1.8)	PPM1G (1.7)
MAP3K4 (2.6)	CARM1 (2.6)	PLCG1 (2.5)	GATAD2A (2.5)	KANK2 (2.1)
LDLR (2.0)	GNAT2 (1.8)	SLC22A2 (1.7)	SLC22A3 (1.6)	USP24 (1.6)

FNDC4 (2.5)	LIPG (2.0)	C11orf9 (1.9)	PVR (1.8)	FER1L4 (1.8)
IGF2R (2.2)	PVRL2 (2.2)	PVR (2.2)	PLCG1 (2.0)	TRIM54 (1.9)
NYNRIN (2.3)	NFE2L3 (2.1)	MAU2 (1.8)	ZNF821 (1.8)	GOT2P1 (1.7)
PPM1G (2.2)	TOMM40 (2.2)	ATP13A1 (2.1)	POC5 (2.1)	ATXN1L (2.1)
KPNB1 (2.6)	DHODH (2.5)	CARM1 (2.3)	NOP58 (2.3)	ZNF259 (2.2)
SLC22A3 (1.7)	MAP3K4 (1.7)	C17orf57 (1.6)	IZUMO1 (1.6)	CETP (1.5)
LPL (2.2)	CYP26A1 (1.9)	RASIP1 (1.9)	ZNF821 (1.9)	DOCK6 (1.8)
FER1L4 (2.7)	GPAM (2.7)	R3HDM1 (2.6)	ENSG00000231204 (2	PMFBP1 (2.0)
MYLIP (2.5)	PLEC (2.2)	TOP1 (2.2)	LPL (1.9)	GATAD2A (1.6)
SLC44A2 (2.5)	BMPR2 (2.3)	PLEC (2.2)	COL4A3BP (2.2)	ABCA1 (2.1)
PVR (3.1)	TIMD4 (3.0)	BCAM (2.8)	SLC44A2 (2.8)	APOE (2.2)
PPM1G (3.4)	TOMM40 (3.2)	SMARCA4 (3.0)	SARS (2.8)	CLPTM1 (2.5)
LCT (2.6)	MAFB (2.5)	LPL (2.5)	APOA4 (2.1)	APOB (2.0)
CARM1 (2.5)	ENSG00000231204 (2	GATAD2A (2.0)	CLPTM1 (2.0)	MAU2 (1.9)
GDF5 (1.9)	ENSG00000228044 (1	PVR (1.9)	UBXN4 (1.8)	RELB (1.8)
NPEPPS (1.9)	ENSG00000231204 (1	UBXN4 (1.6)	PCSK9 (1.6)	GNAI3 (1.6)
DNAH11 (2.3)	GNAI3 (2.2)	ABO (2.1)	DOCK6 (2.1)	CETP (2.0)
SUGP1 (2.1)	DHX38 (2.1)	CEP250 (2.1)	GRINA (1.9)	YIPF2 (1.9)
LIPG (2.9)	ENSG00000256731 (2	FADS1 (2.6)	ABCA1 (2.6)	CELSR2 (2.5)
ATXN1L (2.6)	MAFB (2.6)	MAP3K4 (2.4)	IFT172 (2.3)	CARM1 (2.0)
IFT172 (2.1)	CILP2 (2.1)	ATXN7L2 (1.8)	TBKBP1 (1.6)	TSSK6 (1.5)
BCAM (2.5)	ABO (2.3)	PLEC (2.1)	GOT2P1 (2.1)	BUD13 (2.0)
MAFB (2.7)	PLEC (2.4)	C11orf9 (2.2)	DOCK6 (2.2)	KRTCAP3 (2.0)
KPNB1 (3.0)	ZNF259 (2.8)	USP24 (2.8)	DHX38 (2.6)	DARS (2.6)
MAU2 (3.0)	SMARCA4 (3.0)	IST1 (2.5)	ZNF259 (2.4)	NUP93 (2.2)
GRINA (2.6)	ABCA1 (2.6)	PARP10 (2.5)	CYB561D1 (2.0)	ENSG00000235545 (1
PPM1G (3.2)	TOP1 (3.1)	USP1 (2.9)	DHX38 (2.6)	IST1 (2.4)
C17orf57 (2.2)	MAU2 (1.9)	NFE2L3 (1.8)	ATP13A1 (1.7)	PGS1 (1.7)
TBKBP1 (2.7)	C11orf9 (2.1)	C17orf57 (2.1)	ENSG00000182329 (1	R3HDM1 (1.8)
C11orf9 (2.1)	FNDC4 (1.8)	SORT1 (1.8)	GPR61 (1.7)	CELSR2 (1.4)
DOCK7 (2.7)	BUD13 (2.5)	USP1 (2.3)	MCM6 (2.2)	FEN1 (2.0)
BCAM (2.2)	HAPLN4 (2.1)	FGF21 (2.1)	DOCK7 (2.1)	PLEC (2.0)
PVRL2 (2.1)	LPA (2.1)	SLC22A1 (2.1)	CELSR2 (2.1)	SARS (1.9)
CYB561D1 (2.5)	ABO (2.4)	RELB (2.3)	ENSG00000228044 (2	HNF1A (2.0)
TOMM40 (2.7)	DARS (2.5)	GATAD2A (2.3)	KPNB1 (2.2)	DHX38 (2.2)
KRTCAP3 (2.3)	IZUMO1 (2.1)	CYB561D1 (2.0)	GRINA (1.8)	TIMD4 (1.8)
HAVCR1 (1.8)	ENSG00000254235 (1	CARM1 (1.7)	GPR61 (1.5)	GPAM (1.3)
SLC44A2 (2.3)	PLEC (2.2)	ABCA1 (1.8)	PVRL2 (1.7)	RELB (1.7)
ABO (2.3)	PLEC (2.2)	TRIB1 (2.2)	RELB (2.1)	SLC22A1 (1.8)
MCM6 (2.6)	USP1 (2.6)	BUD13 (2.5)	POC5 (2.5)	FEN1 (2.2)
PVRL2 (2.1)	FER1L4 (2.1)	BCAM (2.1)	ENSG00000226648 (2	CBLC (1.9)
GMIP (2.1)	CEP250 (2.1)	SLC44A2 (2.0)	C19orf52 (2.0)	ATP13A1 (1.9)
PARP10 (2.4)	MAFB (1.8)	POLK (1.6)	TIMD4 (1.4)	LPIN3 (1.3)
NFE2L3 (2.8)	NUP93 (2.6)	SNX17 (2.4)	PPM1G (2.2)	NRBP1 (2.1)
GNAT2 (2.1)	HNF1A (2.0)	ANGPTL3 (1.8)	LPL (1.8)	GSTM4 (1.7)
GATAD2A (2.5)	PBX4 (2.3)	PMFBP1 (2.3)	NRBP1 (2.1)	PLEC (1.9)
DARS (3.4)	SARS (3.4)	PPM1G (3.3)	PSMA5 (2.8)	C12orf43 (2.6)
PBX4 (1.9)	ENSG00000254235 (1	NFE2L3 (1.8)	C19orf80 (1.7)	PARP10 (1.6)
LIPG (1.8)	NCAN (1.8)	DARS (1.7)	SMARCA4 (1.7)	POC5 (1.6)
NUP93 (2.8)	NRBP1 (2.6)	KPNB1 (2.4)	TOMM40 (2.1)	GSTM4 (1.9)

NFE2L3 (1.8)	FUT2 (1.8)	FUT1 (1.7)	SUMO1 (1.7)	LPIN3 (1.7)
TIMD4 (2.3)	PVR (2.1)	LDLR (2.1)	LPAR2 (2.0)	SLC44A2 (1.9)
KANK2 (2.4)	PVRL2 (2.3)	LIPG (2.2)	GPAM (2.1)	LPL (1.9)
CYP26A1 (1.9)	PLEC (1.8)	ATXN1L (1.8)	SLC44A2 (1.6)	DOCK6 (1.6)
C11orf9 (2.0)	BMPR2 (2.0)	KRTCAP3 (1.9)	NYNRIN (1.6)	C19orf52 (1.6)
USP24 (1.9)	DHX38 (1.9)	PBX4 (1.9)	FER1L4 (1.7)	ENSG00000244861 (1
GATAD2A (1.9)	FUT1 (1.9)	EHBP1 (1.7)	GNAI3 (1.7)	GRINA (1.7)
PMFBP1 (2.2)	ENSG00000226648 (2	ERGIC3 (2.0)	TM6SF2 (1.9)	APOB (1.9)
SMARCA4 (2.8)	CEP250 (2.6)	KANK2 (2.6)	KPNB1 (2.6)	ZRANB3 (2.3)
DOCK7 (2.2)	PLEC (2.0)	ZNF513 (1.9)	C17orf57 (1.8)	RASIP1 (1.7)
GSTM4 (2.7)	SUMO1 (2.6)	ABCG8 (2.6)	FGF21 (2.4)	ABCA5 (2.2)
MYLIP (1.7)	HNF4A (1.7)	AMIGO1 (1.7)	KANK2 (1.6)	ABCA6 (1.6)
GOT2P1 (2.2)	LPA (2.2)	FNDC4 (2.0)	HNF4A (2.0)	DNAH11 (2.0)
NUP93 (2.7)	TOMM40 (1.7)	SNX17 (1.6)	SUMO1 (1.5)	SARS (1.5)
NFE2L3 (3.5)	PVR (2.2)	CYB561D1 (2.0)	PVRL2 (1.9)	MAU2 (1.7)
GSTM5 (2.0)	CYP26A1 (2.0)	CILP2 (1.9)	SLC22A2 (1.9)	GSTM4 (1.7)
PARP10 (2.8)	NFE2L3 (2.6)	PGS1 (2.1)	HAVCR1 (2.1)	PLEC (2.0)
PSRC1 (1.8)	TRAM2 (1.8)	NCAN (1.7)	FUT2 (1.6)	POLK (1.4)
CEP250 (2.0)	IFT172 (2.0)	DARS (1.9)	GSTM4 (1.9)	NUP93 (1.9)
C17orf57 (2.6)	IGF2R (2.4)	GDF5 (2.4)	LPL (2.2)	FADS2 (2.1)
HMGCR (3.9)	GPAM (3.6)	LDLR (3.2)	LPAL2 (2.7)	LIPG (2.3)
HMGCR (3.9)	GPAM (3.6)	LDLR (3.2)	LPAL2 (2.7)	LIPG (2.3)
LIPG (1.7)	KANK2 (1.7)	LDLR (1.5)	FADS1 (1.4)	RAB3GAP1 (1.4)
ENSG00000226622 (2	OBP2B (2.0)	POLK (2.0)	ATXN7L2 (1.9)	TRIB1 (1.8)
MAP3K4 (1.8)	C17orf57 (1.7)	PVR (1.6)	LPAL2 (1.6)	GDF5 (1.6)
MAP3K4 (1.8)	C17orf57 (1.7)	PVR (1.6)	LPAL2 (1.6)	GDF5 (1.6)
AMIGO1 (2.4)	CLPTM1 (2.3)	NUP93 (2.2)	IGF2R (2.0)	ENSG00000236267 (1
PVRL2 (2.2)	ENSG00000236267 (2	ABO (1.8)	CBLC (1.8)	CYP26A1 (1.6)
GSTM5 (2.1)	FADS2 (2.1)	SPATC1 (1.9)	COL4A3BP (1.8)	PLCG1 (1.6)
SORT1 (2.8)	IGF2R (2.7)	SARS (2.6)	GNAI3 (2.3)	GRINA (2.2)
SORT1 (2.8)	IGF2R (2.7)	SARS (2.6)	GNAI3 (2.3)	GRINA (2.2)
SMARCA4 (2.8)	IST1 (2.7)	USP1 (2.7)	PPM1G (2.6)	NOP58 (2.5)
PPM1G (3.4)	TOP1 (3.2)	IFT172 (3.1)	NUP93 (2.7)	CEP250 (2.6)
IZUMO1 (1.8)	NFE2L3 (1.7)	C17orf57 (1.7)	PVR (1.7)	ENSG00000244861 (1
ATP13A1 (1.9)	COL4A3BP (1.8)	SLC44A2 (1.6)	IZUMO1 (1.5)	ST3GAL4 (1.5)
GATAD2A (2.4)	PLCG1 (2.3)	ABO (1.9)	NFE2L3 (1.6)	HNF4A (1.6)
TRIB1 (2.5)	SMARCA4 (2.4)	CARM1 (2.4)	ZNF513 (2.2)	ATXN7L2 (2.2)
HMGCR (1.7)	ATXN1L (1.7)	DOCK7 (1.7)	BCAM (1.6)	MAU2 (1.6)
APOC1 (2.5)	APOE (2.5)	LPL (2.3)	ENSG00000236267 (2	C12orf43 (2.1)
RELB (3.0)	GOT2P1 (2.3)	CYB561D1 (1.9)	PVRL2 (1.6)	GNAT2 (1.6)
ATP13A1 (2.9)	ENSG00000226648 (2	NFE2L3 (2.0)	PSMA5 (1.9)	SARS (1.8)
GOT2P1 (2.3)	PMFBP1 (2.1)	HP (2.1)	LPL (2.0)	TRIB1 (1.9)
NFE2L3 (1.7)	GNAT2 (1.7)	PCSK9 (1.6)	SUMO1 (1.5)	BUD13 (1.4)
IZUMO1 (1.8)	RELB (1.6)	LPAL2 (1.5)	NFE2L3 (1.5)	ENSG00000231204 (1
GRINA (2.1)	GPAM (1.9)	TIMD4 (1.9)	PLCG1 (1.8)	SLC44A2 (1.6)
NFE2L3 (3.1)	GMIP (2.4)	MYLIP (1.9)	MAU2 (1.9)	PVR (1.8)
BMPR2 (2.2)	MYLIP (1.7)	R3HDM1 (1.6)	KANK2 (1.6)	MAFB (1.5)
OTX1 (1.7)	TIMD4 (1.7)	PCSK9 (1.6)	ATXN7L2 (1.5)	ENSG00000254235 (1
R3HDM1 (2.6)	ABCG5 (2.3)	APOB (2.3)	IGF2R (2.2)	MAP3K4 (2.2)
RELB (1.7)	LIPC (1.7)	ENSG00000226645 (1	SNX17 (1.6)	PLCG1 (1.5)

APOC1 (1.9)	ATXN7L2 (1.7)	EHBP1 (1.6)	AMPD2 (1.5)	SLC22A3 (1.5)
LPAR2 (2.4)	MAFB (2.4)	PARP10 (2.3)	LDLR (2.1)	CYB561D1 (2.0)
AMIGO1 (2.3)	ST3GAL4 (2.3)	IZUMO1 (2.2)	GSTM4 (2.2)	TRIM54 (2.1)
SNX17 (2.7)	R3HDM1 (2.5)	PPM1G (2.3)	ATP13A1 (2.3)	SUMO1 (2.3)
NUP93 (3.1)	SMARCA4 (3.0)	SUGP1 (2.9)	CEP250 (2.7)	USP24 (2.6)
NUP93 (2.7)	SNX17 (2.4)	SUGP1 (1.9)	NRBP1 (1.8)	PARP10 (1.7)
TIMD4 (2.0)	APOC1 (1.9)	GOT2P1 (1.9)	APOE (1.8)	AMPD2 (1.8)
ZHX3 (2.0)	CBLC (1.9)	LPIN3 (1.8)	ABCA6 (1.7)	APOE (1.7)
NUP93 (2.2)	PPM1G (2.1)	KPNB1 (2.1)	SNX17 (2.0)	TOMM40 (1.7)
ANGPTL3 (2.6)	APOC4 (2.3)	LPAL2 (2.3)	LPA (2.2)	PMFBP1 (2.1)
RELB (3.0)	TOP1 (2.9)	CLPTM1 (2.7)	NOP58 (2.3)	PPM1G (2.1)
SMARCA4 (2.7)	RELB (2.7)	SARS (2.7)	PVR (2.6)	NUP93 (2.5)
SMARCA4 (2.7)	RELB (2.7)	SARS (2.7)	PVR (2.6)	NUP93 (2.5)
SMARCA4 (2.7)	RELB (2.7)	SARS (2.7)	PVR (2.6)	NUP93 (2.5)
RELB (2.9)	GMIP (2.6)	ENSG00000235545 (1	RAB3GAP1 (1.7)	ENSG00000256731 (1
PVRL2 (2.7)	LPAR2 (2.7)	CELSR2 (2.7)	ATXN1L (1.9)	LIPG (1.8)
BCAM (2.4)	CELSR2 (2.3)	LPL (2.0)	ATXN1L (1.9)	TXNL4B (1.9)
MAU2 (2.4)	KPNB1 (2.2)	AMPD2 (2.1)	UBXN4 (2.0)	DHX38 (2.0)
PGS1 (2.0)	COL4A3BP (1.9)	PVR (1.9)	IGF2R (1.8)	PLEC (1.7)
ST3GAL4 (2.5)	DNAH11 (2.3)	ABO (1.9)	LPAR2 (1.7)	ENSG00000231204 (1
GDF5 (2.8)	OTX1 (2.7)	ENSG00000182329 (2	DOCK7 (2.1)	ATXN1L (1.7)
FGF21 (2.0)	POC5 (1.7)	OBP2B (1.7)	LIPC (1.6)	FER1L4 (1.6)
LPAR2 (1.9)	GATAD2A (1.9)	LIPC (1.8)	DOCK7 (1.8)	PLCG1 (1.7)
SYPL2 (1.5)	ABO (1.4)	AMIGO1 (1.4)	RAB3GAP1 (1.4)	YSK4 (1.4)
SYPL2 (2.2)	LIPG (2.1)	PLEC (2.0)	SLC44A2 (2.0)	BCAM (1.8)
NOP58 (3.0)	USP1 (2.7)	SMARCA4 (2.6)	IST1 (2.5)	BUD13 (2.5)
SUMO1 (2.7)	ENSG00000254235 (2	C12orf43 (2.2)	KPNB1 (2.1)	CARM1 (1.5)
NFE2L3 (1.7)	IZUMO1 (1.7)	MAP3K4 (1.6)	ENSG00000231204 (1	C17orf57 (1.6)
PARP10 (2.1)	OASL (1.9)	GRINA (1.8)	CLPTM1 (1.8)	YIPF2 (1.8)
BCAM (2.1)	TRAM2 (2.0)	RASIP1 (1.8)	MAMSTR (1.8)	ENSG00000226622 (1
DARS (2.8)	ZNF259 (2.2)	C19orf80 (2.1)	TOMM40 (2.1)	C12orf43 (2.0)
TOP1 (2.3)	MAMSTR (2.2)	TRIB1 (2.1)	LPIN3 (2.1)	FGF21 (2.0)
BCAM (2.1)	BMPR2 (2.0)	ABO (2.0)	NFE2L3 (1.7)	ENSG00000254235 (1
BCAM (2.1)	BMPR2 (2.0)	ABO (2.0)	NFE2L3 (1.7)	ENSG00000254235 (1
YSK4 (2.1)	KRTCAP3 (2.0)	CETP (1.7)	FER1L4 (1.6)	C17orf57 (1.6)
BCAM (2.6)	DOCK6 (2.4)	SLC44A2 (2.1)	ABCA5 (2.1)	IGF2R (2.0)
NUP93 (2.6)	SNX17 (2.4)	SUGP1 (1.9)	PPM1G (1.9)	PARP10 (1.8)
RELB (2.1)	NFE2L3 (1.9)	IZUMO1 (1.9)	PGS1 (1.8)	GRINA (1.8)
NRBP1 (2.9)	SARS (2.7)	AMPD2 (2.7)	UBXN4 (2.6)	PSMA5 (2.5)
ENSG00000226622 (2	GRINA (2.7)	BCAM (2.2)	FADS1 (2.1)	OTX1 (2.0)
CELSR2 (2.1)	GSTM5 (2.0)	OTX1 (1.9)	BCAM (1.9)	CYP26A1 (1.9)
SARS (2.4)	TRAM2 (2.3)	IGF2R (2.3)	DOCK7 (2.1)	KANK2 (2.0)
FUT2 (2.2)	C17orf57 (2.2)	ENSG00000236267 (1	ENSG00000254235 (1	ENSG00000226648 (1
PSMA5 (2.3)	GNAI3 (2.2)	NPEPPS (2.2)	NRBP1 (2.2)	PPM1G (2.1)
USP24 (2.7)	NRBP1 (2.6)	PARP10 (2.5)	PPM1G (2.5)	SNX17 (2.4)
NPEPPS (2.7)	ERGIC3 (2.5)	PPM1G (2.4)	UBXN4 (2.3)	FER1L4 (2.3)
NYNRIN (2.1)	NFE2L3 (1.9)	PVRL2 (1.9)	HAPLN4 (1.7)	SORT1 (1.6)
NUP93 (2.0)	SUMO1 (1.7)	NOP58 (1.6)	GATAD2A (1.6)	USP1 (1.5)
DOCK6 (2.5)	HMGCR (2.5)	BMPR2 (2.5)	CETP (2.2)	ABCA1 (2.1)
IZUMO1 (2.0)	FER1L4 (1.9)	GOT2P1 (1.9)	LPIN3 (1.8)	TRIB1 (1.7)

BMPR2 (2.4)	ENSG00000254235 (2	EHBP1 (2.3)	ABCA6 (1.9)	CYP26A1 (1.9)
YSK4 (2.5)	IFT172 (2.2)	PBX4 (2.0)	TXNL4B (2.0)	C11orf9 (2.0)
PVR (2.2)	ZNF513 (2.0)	ABCA6 (1.9)	KRTCAP3 (1.8)	ZNF821 (1.5)
BCAM (2.5)	TOMM40 (2.3)	PVRL2 (2.3)	KANK2 (2.0)	GATAD2A (1.8)
ERGIC3 (2.4)	CARM1 (2.2)	DARS (1.9)	GATAD2A (1.7)	BUD13 (1.7)
GDF5 (2.2)	OBP2B (2.1)	LPL (1.9)	FNDC4 (1.8)	TXNL4B (1.6)
ERGIC3 (2.3)	CELSR2 (2.3)	SUGP1 (2.2)	IFT172 (2.1)	HAVCR1 (2.0)
PARP10 (2.0)	MYLIP (1.8)	RELB (1.7)	ABCA1 (1.7)	CYB561D1 (1.6)
GATAD2A (1.9)	BUD13 (1.8)	C19orf52 (1.7)	NPEPPS (1.6)	AMPD2 (1.6)
LDLR (2.1)	GRINA (1.9)	FGF21 (1.9)	MAFB (1.9)	MAMSTR (1.8)
MAFB (2.3)	PCSK9 (2.0)	LIPG (1.9)	DOCK7 (1.8)	GSTM5 (1.6)
GNAT2 (2.2)	ABCG8 (2.1)	TM6SF2 (2.0)	HNF4A (2.0)	ATXN7L2 (1.8)
ABO (2.0)	C17orf57 (1.9)	SARS (1.9)	IFT172 (1.8)	TOMM40 (1.7)
R3HDM1 (1.7)	CETP (1.7)	BCAM (1.7)	FUT2 (1.6)	PLEC (1.6)
GSTM5 (2.7)	ENSG00000226648 (2	ENSG00000235545 (1	GPAM (1.8)	HNF1A (1.7)
NFE2L3 (2.0)	ERGIC3 (1.9)	SLC44A2 (1.9)	CYB561D1 (1.8)	ENSG00000228044 (1
FNDC4 (2.4)	PARP10 (2.4)	GMIP (2.0)	TRIB1 (1.8)	LIPG (1.7)
MAFB (2.1)	TIMD4 (1.9)	CETP (1.7)	SLC44A2 (1.7)	PARP10 (1.5)
NUP93 (2.6)	SNX17 (2.3)	PARP10 (1.9)	SUGP1 (1.8)	TOMM40 (1.8)
C17orf57 (1.8)	MAP3K4 (1.7)	GDF5 (1.7)	LPAL2 (1.6)	PVR (1.6)
DHODH (1.9)	APOC1 (1.8)	FNDC4 (1.8)	TIMD4 (1.7)	TOP1 (1.6)
POC5 (2.2)	ZNF259 (2.1)	DARS (2.0)	MAU2 (2.0)	IST1 (1.9)
PLEC (1.9)	GSTM5 (1.9)	IST1 (1.8)	ABCA1 (1.7)	ABCA6 (1.7)
SORT1 (2.5)	GSTM4 (2.4)	ST3GAL4 (2.3)	AMPD2 (2.2)	IZUMO1 (2.2)
SORT1 (2.5)	GSTM4 (2.4)	ST3GAL4 (2.3)	AMPD2 (2.2)	IZUMO1 (2.2)
CETP (2.2)	TIMD4 (1.9)	CLPTM1 (1.8)	ENSG00000226806 (1	PBX4 (1.6)
CILP2 (2.5)	GDF5 (2.5)	KRTCAP3 (2.2)	MAFB (2.1)	NFE2L3 (1.8)
MCM6 (3.2)	FEN1 (3.0)	NFE2L3 (3.0)	KPNB1 (2.4)	PPM1G (2.1)
MCM6 (3.2)	FEN1 (3.0)	NFE2L3 (3.0)	KPNB1 (2.4)	PPM1G (2.1)
NUP93 (3.1)	SNX17 (2.1)	PPM1G (2.0)	SUGP1 (2.0)	KPNB1 (1.9)
ZRANB3 (3.8)	CEP250 (2.8)	NUP93 (2.5)	ENSG00000228044 (1	PPM1G (1.7)
SMARCA4 (2.5)	KPNB1 (2.3)	CEP250 (2.1)	CARM1 (2.1)	MAP3K4 (1.9)
NOP58 (3.1)	DHX38 (3.0)	TOP1 (2.8)	USP1 (2.6)	GATAD2A (2.5)
PLEC (3.3)	PVR (2.6)	BCAM (2.5)	SLC44A2 (2.5)	KANK2 (2.4)
SORT1 (1.9)	ENSG00000236267 (1	TIMD4 (1.5)	ENSG00000228044 (1	AMIGO1 (1.4)
PVRL2 (2.1)	ST3GAL4 (1.9)	LPAL2 (1.7)	FADS2 (1.6)	GOT2P1 (1.6)
ENSG00000226622 (2	DOCK6 (2.1)	TRAM2 (2.1)	ENSG00000182329 (1	LIPG (1.8)
ABCA6 (2.4)	BMPR2 (2.2)	LDLR (2.2)	GSTM4 (2.1)	LIPG (2.0)
TM6SF2 (3.0)	LCT (2.6)	SLC22A2 (2.3)	APOA4 (2.1)	ABCG8 (2.1)
GMIP (2.1)	MAP3K4 (2.1)	LPAR2 (1.9)	ENSG00000228044 (1	LPIN3 (1.8)
C17orf57 (1.7)	GDF5 (1.7)	LPAL2 (1.7)	MAP3K4 (1.7)	ENSG00000244861 (1
MYLIP (1.9)	RELB (1.9)	ENSG00000228044 (1	CILP2 (1.6)	CEP250 (1.6)
PLCG1 (2.7)	KANK2 (2.7)	C19orf52 (2.4)	CARM1 (2.4)	GATAD2A (2.3)
TOP1 (2.3)	DOCK7 (2.3)	SPATC1 (2.0)	FGF21 (1.7)	PLCG1 (1.6)
OASL (3.2)	ZNF513 (3.1)	PARP10 (2.8)	GMIP (2.4)	RAB3GAP1 (2.0)
ENSG00000256731 (2	CETP (2.0)	BCAM (1.9)	OBP2B (1.8)	BMPR2 (1.7)
SMARCA4 (2.2)	MAFB (2.2)	COL4A3BP (1.7)	PLCG1 (1.7)	MYLIP (1.6)
NYNRIN (2.5)	CARM1 (2.5)	ATXN7L2 (2.4)	ZNF513 (2.3)	SMARCA4 (2.2)
DHX38 (2.8)	BUD13 (2.8)	NOP58 (2.7)	SMARCA4 (2.7)	FEN1 (2.6)
OBP2B (2.1)	FUT2 (2.1)	LIPG (2.0)	KANK2 (1.9)	FADS1 (1.9)

NRBP1 (3.0)	NFE2L3 (2.5)	SMARCA4 (2.4)	ERGIC3 (2.4)	NUP93 (2.1)
NRBP1 (3.0)	NFE2L3 (2.5)	SMARCA4 (2.4)	ERGIC3 (2.4)	NUP93 (2.1)
APOA4 (2.3)	RASIP1 (2.0)	SLC22A2 (1.9)	CELSR2 (1.9)	SLC44A2 (1.8)
ENSG00000231204 (2	DNAH11 (2.7)	ST3GAL4 (2.5)	GSTM5 (2.4)	ABO (2.3)
IGF2R (1.9)	NYNRIN (1.9)	GATAD2A (1.8)	BCAM (1.7)	MAFB (1.6)
PPM1G (2.9)	DARS (2.8)	NOP58 (2.8)	KPNB1 (2.6)	USP1 (2.5)
PVRL2 (2.4)	SLC22A3 (2.3)	GMIP (2.3)	COL4A3BP (2.1)	DOCK6 (1.9)
C12orf43 (2.6)	GPAM (2.5)	BUD13 (2.3)	LPIN3 (2.1)	GNAT2 (1.8)
SMARCA4 (2.9)	DHX38 (2.7)	USP1 (2.6)	IST1 (2.6)	SUGP1 (2.5)
NUP93 (2.2)	SMARCA4 (2.2)	MAP3K4 (2.0)	POLK (2.0)	GATAD2A (1.9)
SUGP1 (3.5)	SMARCA4 (3.3)	IST1 (3.1)	NOP58 (3.0)	NUP93 (2.9)
GATAD2A (1.8)	BUD13 (1.6)	AMPD2 (1.6)	PPM1G (1.6)	TSSK6 (1.5)
NUP93 (2.8)	TOMM40 (2.7)	NRBP1 (2.6)	SUGP1 (2.3)	KPNB1 (2.3)
SUGP1 (2.8)	TOP1 (2.8)	DHX38 (2.5)	PPM1G (2.5)	USP1 (2.4)
MAU2 (2.7)	ATP13A1 (2.7)	SUGP1 (2.1)	PPM1G (2.0)	SMARCA4 (1.9)
LIPC (1.8)	KRTCAP3 (1.7)	ZNF259 (1.7)	HNF4A (1.6)	ENSG00000226622 (1
ENSG00000226648 (2	NPEPPS (2.3)	ATXN7L2 (2.3)	DOCK7 (2.2)	ENSG00000226645 (2
ZNF821 (2.2)	ENSG00000226648 (2	SLC44A2 (2.0)	IST1 (1.9)	OTX1 (1.9)
ZNF513 (1.9)	NCAN (1.7)	ENSG00000256731 (1	RASIP1 (1.5)	MYLIP (1.5)
ABCA6 (2.3)	PARP10 (1.7)	NFE2L3 (1.3)	RAB3GAP1 (1.3)	TIMD4 (1.3)
PVR (2.9)	ZNF513 (2.6)	GMIP (2.5)	PARP10 (2.5)	GSTM4 (2.0)
ZNF513 (2.6)	NRBP1 (2.6)	MAU2 (2.5)	SUGP1 (2.3)	NPEPPS (1.9)
LCT (2.8)	ERGIC3 (2.8)	PMFBP1 (2.7)	APOC3 (2.2)	APOB (2.0)
BCAM (2.3)	KRTCAP3 (1.9)	HNF4A (1.7)	PVRL2 (1.6)	C11orf9 (1.6)
KRTCAP3 (2.0)	ENSG00000236436 (1	ERGIC3 (1.9)	FUT2 (1.8)	TSSK6 (1.8)
ATP13A1 (2.2)	IST1 (2.1)	GNAI3 (2.0)	PPM1G (1.9)	ENSG00000226648 (1
CEP250 (2.4)	MAMSTR (2.3)	FGF21 (2.3)	PGS1 (2.3)	ZRANB3 (2.0)
CEP250 (3.2)	SUMO1 (3.1)	SMARCA4 (2.9)	IST1 (2.9)	MAU2 (2.9)
PVR (2.9)	FUT1 (2.8)	RELB (2.6)	RAB3GAP1 (2.6)	POC5 (2.5)
CELSR2 (2.4)	LPAR2 (1.9)	ZRANB3 (1.9)	ENSG00000236436 (1	OTX1 (1.9)
DARS (2.5)	IFT172 (2.3)	SARS (2.1)	AMPD2 (2.0)	DHX38 (2.0)
PVR (2.5)	CBLC (2.0)	ABCA1 (1.9)	TRIB1 (1.8)	PGS1 (1.8)
PVRL2 (2.6)	APOE (2.5)	MAFB (1.7)	TRAM2 (1.7)	DOCK6 (1.6)
ENSG00000256731 (2	ABCG5 (2.5)	APOC1 (2.5)	APOA4 (2.4)	ABCA1 (2.3)
DHX38 (2.2)	PARP10 (2.2)	OASL (1.9)	GRINA (1.8)	SORT1 (1.7)
LPIN3 (2.3)	CELSR2 (2.2)	C17orf57 (2.0)	FUT2 (1.8)	LIPG (1.4)
FUT2 (3.1)	CILP2 (2.6)	ATP13A1 (2.3)	CLPTM1 (2.3)	ST3GAL4 (2.3)
R3HDM1 (2.1)	TOP1 (2.0)	ENSG00000226645 (1	GATAD2A (1.7)	TXNL4B (1.7)
NOP58 (2.3)	TOMM40 (1.9)	BMPR2 (1.8)	ENSG00000231204 (1	TRIB1 (1.7)
CELSR2 (2.6)	BCAM (2.4)	GRINA (2.4)	PCSK9 (2.2)	NCAN (2.1)
ENSG00000226645 (1	FER1L4 (1.8)	GMIP (1.7)	TIMD4 (1.6)	DNAH11 (1.5)
ERGIC3 (1.9)	LIPG (1.8)	FNDC4 (1.6)	CYB561D1 (1.6)	FUT1 (1.5)
NYNRIN (2.6)	CARM1 (2.5)	ATXN7L2 (2.5)	ZNF513 (2.3)	SMARCA4 (2.3)
MAP3K4 (1.9)	C17orf57 (1.6)	PVR (1.6)	LPAL2 (1.5)	SLC22A1 (1.5)
LCT (4.5)	ABCG8 (3.3)	APOB (2.8)	C11orf9 (2.5)	NPEPPS (2.5)
SPATC1 (2.6)	DNAH11 (2.5)	ENSG00000236267 (2	LPAL2 (2.4)	APOA5 (1.9)
COL4A3BP (2.3)	KRTCAP3 (2.0)	DHX38 (1.9)	HNF1A (1.9)	ENSG00000228044 (1
EHBP1 (1.9)	ST3GAL4 (1.9)	SLC22A3 (1.8)	HAPLN4 (1.7)	NCAN (1.7)
KPNB1 (3.0)	NUP93 (2.9)	DARS (2.9)	PPM1G (2.6)	TOMM40 (2.6)
SMARCA4 (2.3)	TOP1 (2.2)	CBLC (2.1)	MAU2 (2.1)	GNAI3 (2.0)

DOCK6 (2.4)	ABCA1 (2.1)	KANK2 (1.9)	GPAM (1.9)	LIPG (1.8)
KANK2 (2.6)	ENSG00000226648 (2	PLEC (2.2)	FER1L4 (2.2)	FGF21 (2.2)
SPATC1 (1.9)	APOB (1.9)	NFE2L3 (1.7)	LIPC (1.7)	APOA4 (1.6)
KRTCAP3 (2.1)	GPR61 (1.9)	ABCG5 (1.7)	ENSG00000235545 (1	DNAH11 (1.4)
ST3GAL4 (2.2)	ENSG00000231204 (2	DNAH11 (2.1)	ABO (2.1)	KRTCAP3 (1.9)
YIPF2 (2.0)	ENSG00000244861 (2	SNX17 (1.9)	CEP250 (1.8)	LDLR (1.7)
TOP1 (1.9)	SUMO1 (1.8)	GNAI3 (1.8)	ATP13A1 (1.8)	MYLIP (1.7)
SPATC1 (2.3)	ATXN7L2 (2.1)	ZNF821 (2.1)	PVRL2 (2.1)	NCAN (2.0)
SLC22A2 (3.2)	PMFBP1 (2.9)	TM6SF2 (2.9)	PLG (2.6)	SLC22A3 (2.4)
MAFB (2.8)	CYP26A1 (2.8)	IGF2R (2.6)	BCAM (2.2)	SLC44A2 (2.2)
NUP93 (2.8)	USP1 (2.6)	SMARCA4 (2.6)	PPM1G (2.5)	DHX38 (2.5)
ATXN7L2 (1.4)	FER1L4 (1.3)	SLC22A2 (1.2)	ENSG00000226622 (1	NPEPPS (1.2)
UBXN4 (3.4)	TOMM40 (2.9)	PSMA5 (2.7)	NUP93 (2.4)	KPNB1 (2.2)
MAU2 (2.1)	ST3GAL4 (2.0)	SMARCA4 (1.9)	PPM1G (1.8)	OBP2B (1.8)
YIPF2 (1.8)	ERGIC3 (1.8)	ENSG00000254235 (1	COL4A3BP (1.6)	HAPLN4 (1.5)
CYP26A1 (2.2)	SLC22A2 (2.0)	CETP (1.9)	TRIB1 (1.9)	TRAM2 (1.6)
NUP93 (3.8)	USP1 (3.6)	KPNB1 (2.6)	PPM1G (2.4)	ZRANB3 (2.4)
FUT1 (2.4)	LPAL2 (2.3)	IGF2R (2.3)	DOCK6 (2.3)	TRAM2 (1.8)
NUP93 (2.4)	TOMM40 (2.3)	DHX38 (2.3)	BUD13 (2.1)	CLPTM1 (2.0)
GDF5 (2.2)	ZRANB3 (1.9)	CBLC (1.8)	ENSG00000235545 (1	AMIGO1 (1.7)
TRIB1 (2.6)	POLK (2.5)	GPAM (2.3)	TBKBP1 (2.2)	TOP1 (2.0)
KPNB1 (3.0)	ZNF259 (2.9)	C12orf43 (2.6)	SARS (2.6)	TOP1 (2.5)
SMARCA4 (2.0)	NUP93 (1.9)	ZNF259 (1.9)	GNAI3 (1.9)	ENSG00000236436 (1
NUP93 (2.9)	PARP10 (2.5)	SNX17 (2.4)	IST1 (1.9)	PPM1G (1.8)
NUP93 (2.9)	PARP10 (2.5)	SNX17 (2.4)	IST1 (1.9)	PPM1G (1.8)
NUP93 (2.9)	PARP10 (2.5)	SNX17 (2.4)	IST1 (1.9)	PPM1G (1.8)
BUD13 (2.5)	TOP1 (2.2)	ABCA5 (1.9)	CEP250 (1.8)	GATAD2A (1.8)
TOP1 (3.1)	USP1 (3.0)	KPNB1 (2.8)	PPM1G (2.8)	FEN1 (2.4)
LIPG (2.4)	SPATC1 (2.1)	MYLIP (2.0)	C19orf80 (2.0)	FUT1 (2.0)
GMIP (2.5)	ENSG00000236436 (2	ABCA1 (1.9)	SLC44A2 (1.8)	FNDC4 (1.7)
HP (2.0)	CLPTM1 (1.7)	PARP10 (1.7)	LPAL2 (1.6)	DOCK7 (1.5)
LIPG (1.8)	HNF4A (1.7)	GDF5 (1.7)	MAFB (1.6)	BCAM (1.6)
POLK (2.2)	SLC22A1 (1.8)	BMPR2 (1.8)	EHBP1 (1.7)	APOC4 (1.7)
CEP250 (2.7)	BUD13 (2.5)	ATXN1L (2.4)	POC5 (2.4)	MAU2 (2.2)
KRTCAP3 (1.7)	LPAR2 (1.7)	C19orf80 (1.6)	ABCA1 (1.5)	PGS1 (1.4)
FER1L4 (2.1)	CEP250 (2.0)	FADS2 (2.0)	FADS1 (2.0)	ENSG00000236267 (1
GRINA (2.3)	ENSG00000254235 (2	OBP2B (2.0)	PGS1 (1.9)	C12orf43 (1.9)
ABCA1 (1.9)	FUT1 (1.8)	MYLIP (1.7)	PMFBP1 (1.7)	HNF1A (1.7)
CEP250 (1.9)	OBP2B (1.7)	SLC22A3 (1.6)	ENSG00000244861 (1	CILP2 (1.6)
LDLR (2.4)	MYLIP (2.0)	APOE (2.0)	FADS1 (1.9)	KANK2 (1.8)
ENSG00000228044 (2	GOT2P1 (2.2)	ENSG00000182329 (1	ABCA6 (1.6)	IZUMO1 (1.6)
C19orf52 (2.6)	GATAD2A (2.5)	MCM6 (2.3)	KANK2 (2.2)	SUGP1 (2.2)
PSRC1 (2.4)	GSTM4 (2.1)	CELSR2 (2.1)	ATXN1L (2.1)	DOCK7 (2.1)
TIMD4 (2.2)	ENSG00000228044 (2	CELSR2 (1.9)	MYLIP (1.8)	GSTM4 (1.8)
SLC44A2 (2.3)	MAFB (2.2)	DOCK7 (2.1)	DNAH11 (2.0)	GATAD2A (2.0)
OTX1 (1.5)	SORT1 (1.5)	UBXN4 (1.5)	TIMD4 (1.4)	ATP13A1 (1.4)
MYLIP (1.9)	SLC44A2 (1.9)	IFT172 (1.9)	NPEPPS (1.6)	GNAT2 (1.4)
NFE2L3 (2.1)	PARP10 (2.0)	PLCG1 (2.0)	CETP (1.9)	POLK (1.8)
CETP (2.6)	DOCK6 (2.5)	SLC22A3 (2.2)	GSTM5 (1.9)	ABCG8 (1.8)
TRIB1 (1.7)	ENSG00000226648 (1	ENSG00000231204 (1	GNAI3 (1.6)	ENSG00000226645 (1

MAFB (2.5)	OBP2B (2.4)	TOP1 (2.3)	IGF2R (2.3)	OASL (2.2)
NRBP1 (3.1)	PSMA5 (3.1)	SARS (3.0)	DARS (2.8)	CLPTM1 (2.5)
IGF2R (2.4)	LDLR (2.3)	BMPR2 (2.2)	RASIP1 (2.2)	FNDC4 (2.1)
TOMM40 (3.3)	C12orf43 (3.2)	DHX38 (2.3)	DARS (2.2)	PPM1G (2.2)
EHBP1 (2.7)	ZNF821 (2.0)	FUT2 (1.9)	DHX38 (1.9)	CLPTM1 (1.9)
SUMO1 (2.7)	ENSG00000254235 (2	C12orf43 (2.2)	KPNB1 (2.1)	USP24 (1.6)
NUP93 (3.5)	FEN1 (3.3)	NFE2L3 (2.8)	KPNB1 (2.4)	PPM1G (2.2)
LPA (2.2)	FUT2 (2.2)	ENSG00000226806 (2	LPAR2 (2.1)	ENSG00000254235 (2
HMGCR (3.0)	DHODH (2.7)	TXNL4B (2.6)	NOP58 (2.1)	GOT2P1 (1.8)
YIPF2 (2.4)	CYB561D1 (1.8)	LIPG (1.6)	ENSG00000228044 (1	CLPTM1 (1.4)
NUP93 (3.1)	SNX17 (2.6)	SUGP1 (2.3)	NRBP1 (1.8)	MCM6 (1.8)
TOP1 (2.9)	SUGP1 (2.8)	IST1 (2.6)	SMARCA4 (2.6)	PPM1G (2.5)
ATP13A1 (2.4)	BUD13 (2.3)	CEP250 (2.3)	RAB3GAP1 (2.3)	MAU2 (2.2)
CYB561D1 (2.0)	C19orf80 (1.9)	LPIN3 (1.7)	HP (1.6)	GCKR (1.5)
GNAI3 (2.3)	TOMM40 (2.2)	GATAD2A (2.1)	C12orf43 (1.8)	TOP1 (1.8)
LPAL2 (1.7)	C17orf57 (1.6)	IZUMO1 (1.6)	ENSG00000231204 (1	GDF5 (1.5)
SLC44A2 (1.8)	IZUMO1 (1.8)	OASL (1.7)	LPL (1.7)	RAB3GAP1 (1.6)
APOE (2.1)	MAU2 (2.1)	SORT1 (2.0)	FER1L4 (1.7)	MAFB (1.6)
USP1 (4.3)	CEP250 (2.6)	NUP93 (2.4)	KPNB1 (1.9)	DHODH (1.7)
ZRANB3 (3.2)	USP1 (3.0)	POC5 (2.9)	KPNB1 (2.8)	NUP93 (2.8)
NRBP1 (2.7)	UBXN4 (2.5)	DHX38 (2.4)	MAU2 (2.4)	ERGIC3 (2.3)
ABCA1 (2.1)	MAMSTR (2.0)	CYB561D1 (1.8)	KANK2 (1.8)	HNF1A (1.5)
GRINA (2.8)	MAU2 (2.8)	C17orf57 (2.0)	PVRL2 (1.9)	IZUMO1 (1.9)
GRINA (2.8)	MAU2 (2.8)	C17orf57 (2.0)	PVRL2 (1.9)	IZUMO1 (1.9)
DHX38 (2.1)	PARP10 (2.0)	OASL (2.0)	YIPF2 (1.8)	GRINA (1.7)
FNDC4 (1.7)	FER1L4 (1.7)	GCKR (1.6)	ENSG00000226622 (1	IZUMO1 (1.3)
USP1 (2.7)	AMPD2 (2.4)	KPNB1 (2.3)	ENSG00000235545 (2	CARM1 (2.2)
DARS (2.5)	TOP1 (2.3)	C12orf43 (2.3)	DHX38 (2.1)	ERGIC3 (2.1)
USP1 (3.3)	NUP93 (2.9)	ZRANB3 (2.8)	KPNB1 (2.6)	FADS2 (2.5)
FUT1 (2.2)	GATAD2A (2.2)	C19orf52 (2.1)	APOC1 (2.0)	PVRL2 (1.9)
ZHX3 (2.5)	PARP10 (2.3)	EHBP1 (2.2)	MAFB (2.1)	OBP2B (2.1)
FUT2 (1.8)	ENSG00000226622 (1	GDF5 (1.7)	FER1L4 (1.6)	MYLIP (1.6)
NOP58 (2.7)	DHX38 (2.6)	BUD13 (2.6)	SMARCA4 (2.6)	PPM1G (2.4)
HAVCR1 (2.5)	FADS1 (2.4)	TSSK6 (2.1)	SLC22A2 (2.0)	LIPC (2.0)
SMARCA4 (2.4)	TOP1 (2.2)	CELSR2 (2.0)	PVR (2.0)	TSSK6 (1.9)
DHODH (2.7)	AMPD2 (2.6)	DARS (2.5)	DHX38 (2.1)	SUGP1 (2.0)
ST3GAL4 (1.8)	APOE (1.8)	CETP (1.8)	GSTM5 (1.7)	PVR (1.7)
ENSG00000236267 (2	PMFBP1 (1.8)	CELSR2 (1.8)	LPIN3 (1.8)	PLEC (1.5)
APOC1 (2.3)	MAFB (2.2)	ABCA1 (2.0)	CETP (1.5)	NFE2L3 (1.5)
FER1L4 (2.5)	KANK2 (2.0)	LIPG (1.8)	YSK4 (1.8)	LPAR2 (1.7)
SLC44A2 (2.4)	CETP (2.1)	NFE2L3 (1.7)	FER1L4 (1.6)	MAFB (1.5)
HAVCR1 (3.0)	SORT1 (2.5)	CLPTM1 (2.4)	SLC22A3 (2.4)	YIPF2 (2.2)
ATXN1L (3.2)	GCKR (3.0)	ANGPTL3 (2.9)	HNF4A (2.7)	GOT2P1 (2.6)
LPL (2.1)	SLC44A2 (2.1)	NFE2L3 (1.9)	RASIP1 (1.7)	ST3GAL4 (1.7)
IFT172 (1.9)	PCSK9 (1.9)	GSTM4 (1.9)	C19orf80 (1.8)	NPEPPS (1.8)
LPL (2.1)	NCAN (2.1)	ZNF821 (2.0)	CARM1 (2.0)	CELSR2 (1.8)
YIPF2 (2.6)	SUGP1 (2.3)	PPM1G (2.3)	SARS (2.0)	C19orf52 (1.9)
KPNB1 (3.4)	NOP58 (3.2)	NUP93 (2.7)	BUD13 (2.5)	FEN1 (2.4)
DOCK6 (2.5)	IGF2R (2.5)	SARS (2.0)	GSTM4 (2.0)	TRAM2 (1.9)
CARM1 (2.1)	TOMM40 (2.0)	ABO (1.7)	OBP2B (1.6)	KPNB1 (1.5)

SYPL2 (1.9)	ENSG00000236267 (1	PVR (1.7)	PGS1 (1.6)	DNAH11 (1.6)
MYLIP (2.0)	PLCG1 (1.8)	DNAH11 (1.8)	NFE2L3 (1.6)	IGF2R (1.4)
NUP93 (3.1)	SNX17 (2.5)	SUGP1 (2.4)	MCM6 (2.0)	POC5 (1.8)
DARS (2.3)	SARS (2.2)	TOMM40 (2.1)	KPNB1 (2.0)	SUGP1 (2.0)
BUD13 (2.1)	ENSG00000231204 (2	TRIB1 (2.0)	GATAD2A (2.0)	SMARCA4 (1.9)
PPM1G (2.9)	USP1 (2.9)	DHX38 (2.8)	NUP93 (2.5)	GATAD2A (2.5)
ENSG00000235545 (2	SMARCA4 (1.9)	EHBP1 (1.9)	IFT172 (1.8)	CLPTM1 (1.8)
CARM1 (2.2)	ZRANB3 (1.8)	RAB3GAP1 (1.8)	C19orf52 (1.8)	SUGP1 (1.7)
LPL (1.9)	ABCA1 (1.7)	RELB (1.6)	FGF21 (1.6)	ABO (1.5)
LPAR2 (2.3)	ATXN1L (2.2)	LIPG (2.1)	PVRL2 (1.9)	HNF1A (1.8)
RASIP1 (2.5)	KPNB1 (2.3)	GNAI3 (2.1)	ENSG00000236436 (2	ABCA5 (1.9)
APOA4 (2.9)	CELSR2 (2.2)	LPA (2.1)	FADS1 (2.0)	HMGCR (2.0)
IFT172 (2.2)	ABCA1 (2.2)	OBP2B (2.1)	CYP26A1 (2.1)	CILP2 (1.7)
CARM1 (2.7)	R3HDM1 (2.5)	DHX38 (2.5)	MAP3K4 (2.5)	PPM1G (2.4)
C11orf9 (2.3)	HP (2.2)	GPAM (2.1)	ENSG00000236436 (2	ABCA1 (2.0)
GPR61 (2.0)	SPATC1 (2.0)	HNF1A (1.9)	GSTM5 (1.6)	HAPLN4 (1.6)
GRINA (2.1)	APOA4 (2.0)	CELSR2 (1.9)	LCT (1.9)	OBP2B (1.8)
BUD13 (2.4)	CEP250 (2.1)	FEN1 (2.0)	ZRANB3 (2.0)	MCM6 (2.0)
DHODH (3.2)	GNAI3 (2.5)	DHX38 (2.2)	DARS (2.1)	ATXN1L (2.0)
TBKBP1 (2.0)	ENSG00000236267 (1	BMPR2 (1.7)	NYNRIN (1.5)	TRAM2 (1.4)
KPNB1 (2.8)	PPM1G (2.6)	ZRANB3 (2.6)	NUP93 (2.4)	SMARCA4 (2.4)
IGF2R (2.4)	CARM1 (2.1)	USP24 (2.1)	NUP93 (2.1)	MAU2 (2.0)
FER1L4 (2.1)	ENSG00000226806 (1	PMFBP1 (1.7)	GSTM4 (1.7)	ATP13A1 (1.6)
GRINA (2.2)	ZNF513 (2.2)	IST1 (2.1)	BCAM (1.9)	GNAI3 (1.9)
DOCK7 (2.6)	FADS1 (2.4)	GOT2P1 (2.1)	TOMM40 (2.0)	AMPD2 (2.0)
LCT (3.6)	SLC22A2 (3.4)	ABCG8 (3.2)	HAPLN4 (2.6)	FUT2 (2.6)
MAP3K4 (2.1)	ZNF259 (2.0)	AMPD2 (1.8)	NOP58 (1.7)	ATP13A1 (1.7)
TRAM2 (2.0)	CYP26A1 (1.9)	SLC44A2 (1.8)	LPL (1.6)	IGF2R (1.4)
FUT1 (3.0)	LPIN3 (2.8)	LPAR2 (2.7)	EHBP1 (2.2)	LIPG (2.1)
APOA4 (2.4)	NYNRIN (2.2)	FADS2 (2.1)	SLC44A2 (2.1)	TBKBP1 (2.0)
GCKR (2.4)	TM6SF2 (2.3)	LPIN3 (2.3)	GSTM5 (2.1)	ABCG8 (2.0)
ZNF259 (2.6)	IST1 (2.5)	UBXN4 (2.4)	DHX38 (2.2)	ATXN1L (2.1)
MAU2 (2.4)	PARP10 (2.3)	MAP3K4 (1.9)	BMPR2 (1.7)	ZHX3 (1.7)
ENSG00000226645 (1	LDLR (1.9)	PVR (1.8)	ENSG00000235545 (1	LPAL2 (1.7)
CELSR2 (1.7)	MAFB (1.7)	CBLC (1.6)	FER1L4 (1.5)	C17orf57 (1.4)
AMPD2 (2.0)	DOCK7 (2.0)	NPEPPS (1.9)	SORT1 (1.7)	BUD13 (1.7)
IZUMO1 (1.9)	C17orf57 (1.8)	ENSG00000244861 (1	GDF5 (1.4)	TIMD4 (1.4)
SPATC1 (3.0)	ENSG00000228044 (2	APOA5 (2.3)	ENSG00000236267 (2	HNF4A (2.2)
NUP93 (3.1)	SNX17 (2.5)	SUGP1 (2.4)	MCM6 (2.0)	POC5 (1.9)
NYNRIN (2.5)	RASIP1 (2.1)	TBKBP1 (1.8)	BCAM (1.7)	HP (1.6)
YSK4 (1.9)	SUMO1 (1.8)	FNDC4 (1.7)	IZUMO1 (1.6)	ENSG00000231204 (1
YSK4 (1.7)	GPAM (1.6)	FNDC4 (1.6)	CEP250 (1.4)	GOT2P1 (1.4)
TRAM2 (2.3)	NFE2L3 (2.3)	CYP26A1 (2.3)	EHBP1 (2.2)	OTX1 (2.1)
TOMM40 (2.6)	DOCK7 (2.4)	AMPD2 (2.3)	KPNB1 (2.2)	ATP13A1 (2.1)
USP24 (1.9)	C19orf80 (1.8)	LPL (1.8)	GPAM (1.7)	IGF2R (1.7)
NUP93 (2.8)	PPM1G (2.6)	SNX17 (2.5)	TOMM40 (2.4)	KPNB1 (2.2)
PPM1G (2.2)	HAVCR1 (2.2)	KPNB1 (2.2)	USP1 (2.0)	GNAI3 (2.0)
SORT1 (3.1)	IST1 (2.7)	IGF2R (2.6)	YIPF2 (2.4)	ERGIC3 (2.2)
ST3GAL4 (2.5)	CELSR2 (2.3)	EHBP1 (2.1)	LPAR2 (2.1)	LPIN3 (1.8)
CARM1 (2.2)	NPEPPS (2.0)	POLK (2.0)	USP24 (2.0)	YIPF2 (1.9)

C17orf57 (1.8)	IZUMO1 (1.7)	LPAL2 (1.7)	PVR (1.6)	RELB (1.5)
SLC22A1 (5.2)	HNF4A (5.1)	APOA5 (3.1)	APOC4 (3.0)	LPAL2 (2.4)
DARS (3.2)	DHODH (2.8)	DHX38 (2.8)	AMPD2 (2.5)	PPM1G (2.3)
GNAT2 (1.9)	LIPG (1.8)	ABCG8 (1.8)	YSK4 (1.8)	LPAL2 (1.8)
C12orf43 (3.1)	KPNB1 (3.0)	DHODH (2.8)	DHX38 (2.6)	GATAD2A (2.6)
ATP13A1 (2.1)	IST1 (2.0)	USP1 (2.0)	PPM1G (2.0)	GNAI3 (1.9)
ATP13A1 (2.1)	IST1 (2.0)	USP1 (2.0)	PPM1G (2.0)	GNAI3 (1.9)
GMIP (1.6)	PARP10 (1.6)	COL4A3BP (1.5)	RELB (1.5)	GNAT2 (1.4)
CYP26A1 (2.4)	PVRL2 (2.2)	ZNF821 (2.0)	GDF5 (2.0)	SLC44A2 (1.9)
SUGP1 (2.2)	GATAD2A (2.1)	KPNB1 (1.9)	SMARCA4 (1.8)	DARS (1.6)
PLEC (2.3)	IGF2R (2.1)	DOCK6 (2.0)	GNAI3 (2.0)	SLC44A2 (1.9)
ENSG00000244861 (1	PLCG1 (1.8)	CILP2 (1.7)	IFT172 (1.6)	GDF5 (1.6)
GMIP (2.9)	MAFB (2.3)	NFE2L3 (2.1)	OASL (1.9)	ABCA6 (1.7)
ABCA1 (2.4)	CYP26A1 (2.2)	PBX4 (1.8)	LIPG (1.7)	ABCA5 (1.6)
TRIB1 (2.4)	ATXN1L (1.8)	TBKBP1 (1.8)	EHBP1 (1.7)	MAU2 (1.7)
CETP (2.0)	PARP10 (1.9)	AMPD2 (1.9)	ABCA1 (1.9)	COL4A3BP (1.7)
YIPF2 (2.4)	NYNRIN (2.3)	CYP26A1 (2.1)	IGF2R (1.8)	MYLIP (1.7)
TRIB1 (2.6)	PVRL2 (2.4)	GMIP (2.4)	ERGIC3 (2.3)	CYP26A1 (2.2)
SLC22A3 (2.3)	SLC44A2 (2.0)	APOE (1.9)	CETP (1.8)	TIMD4 (1.7)
TXNL4B (2.0)	DHODH (1.9)	GOT2P1 (1.9)	SLC22A1 (1.8)	RAB3GAP1 (1.8)
PPM1G (3.0)	SMARCA4 (2.7)	KPNB1 (2.7)	SUGP1 (2.6)	NUP93 (2.6)
ANGPTL3 (2.7)	LPAL2 (2.3)	PCSK9 (2.1)	APOC4 (2.0)	PLG (2.0)
CILP2 (2.7)	ENSG00000226645 (2	CETP (2.2)	TBKBP1 (2.1)	BCAM (2.0)
RP1 (2.5)	SORT1 (2.1)	ABO (2.0)	GNAT2 (2.0)	ABCA5 (1.8)
SORT1 (1.5)	TIMD4 (1.5)	OTX1 (1.5)	UBXN4 (1.4)	ATP13A1 (1.4)
BUD13 (2.3)	ZNF821 (2.2)	ERGIC3 (2.1)	CETP (2.0)	USP1 (1.9)
GSTM4 (2.0)	GPAM (2.0)	LPL (1.9)	APOC4 (1.8)	PSMA5 (1.6)
GRINA (2.1)	MYLIP (1.9)	NRBP1 (1.8)	C12orf43 (1.6)	ABCA5 (1.6)
TBKBP1 (2.4)	DOCK6 (2.0)	KANK2 (1.9)	PGS1 (1.7)	IGF2R (1.6)
BUD13 (3.1)	NUP93 (3.1)	SMARCA4 (2.7)	NOP58 (2.7)	TOP1 (2.6)
ENSG00000226648 (2	DOCK7 (2.3)	R3HDM1 (2.1)	NPEPPS (1.9)	PSRC1 (1.8)
YIPF2 (2.2)	CARM1 (2.1)	MAU2 (2.0)	SNX17 (1.9)	MAP3K4 (1.9)
NFE2L3 (3.1)	NOP58 (2.4)	NUP93 (2.2)	ST3GAL4 (2.1)	DHODH (2.0)
COL4A3BP (2.8)	CARM1 (2.8)	BMPR2 (2.7)	USP24 (2.5)	RAB3GAP1 (2.3)
NYNRIN (2.1)	GDF5 (1.9)	CYP26A1 (1.8)	OBP2B (1.8)	ENSG00000236436 (1
TIMD4 (2.3)	SPATC1 (2.2)	GSTM5 (2.0)	CETP (1.9)	NFE2L3 (1.7)
CELSR2 (2.2)	ENSG00000244861 (2	ABCA1 (2.1)	FADS2 (2.0)	LIPG (1.8)
USP1 (3.7)	FEN1 (3.4)	KPNB1 (2.9)	NUP93 (2.6)	SMARCA4 (2.2)
ATP13A1 (2.2)	IST1 (2.2)	GNAI3 (2.1)	TXNL4B (1.8)	PPM1G (1.8)
PGS1 (2.7)	LPAR2 (2.6)	PVR (2.6)	ZNF513 (2.2)	ABCA6 (1.9)
TOP1 (3.2)	NOP58 (3.0)	NUP93 (2.9)	IST1 (2.8)	PPM1G (2.6)
ZHX3 (2.4)	PLEC (2.4)	GATAD2A (2.2)	USP24 (2.1)	NPEPPS (1.8)
DARS (2.6)	ENSG00000226645 (2	TOMM40 (2.5)	SUGP1 (1.8)	FEN1 (1.7)
LPAR2 (2.6)	ST3GAL4 (2.6)	GSTM5 (2.4)	ABO (2.3)	ENSG00000231204 (2
FUT2 (3.2)	ST3GAL4 (2.5)	ATP13A1 (2.4)	CYB561D1 (2.3)	CLPTM1 (2.1)
LDLR (4.6)	PCSK9 (4.5)	GPAM (3.3)	LIPG (2.4)	ENSG00000244861 (2
LDLR (4.6)	PCSK9 (4.5)	GPAM (3.3)	LIPG (2.4)	ENSG00000244861 (2
TM6SF2 (2.0)	APOC4 (1.9)	FGF21 (1.8)	ABCG5 (1.8)	ENSG00000228044 (1
OBP2B (1.8)	LCT (1.7)	ENSG00000254235 (1	MYLIP (1.4)	TM6SF2 (1.3)
DOCK7 (2.6)	NYNRIN (2.4)	ENSG00000226648 (2	CELSR2 (2.1)	TRIB1 (2.0)

PLEC (2.8)	LIPG (2.2)	IGF2R (2.1)	ENSG00000254235 (2	ENSG00000236267 (2
NYNRIN (2.0)	CARM1 (2.0)	PSRC1 (1.9)	OBP2B (1.8)	KRTCAP3 (1.8)
KANK2 (2.6)	CYP26A1 (2.5)	PLCG1 (2.2)	NYNRIN (1.7)	FNDC4 (1.4)
GOT2P1 (2.5)	RP1 (2.4)	ATXN7L2 (2.3)	SLC22A3 (2.0)	CILP2 (1.9)
DHX38 (2.8)	PPM1G (2.7)	KPNB1 (2.6)	FEN1 (2.5)	MCM6 (2.3)
OASL (1.9)	LPL (1.9)	MYLIP (1.6)	KANK2 (1.4)	PBX4 (1.4)
GATAD2A (2.1)	C17orf57 (2.1)	PVRL2 (1.9)	ABO (1.8)	BMPR2 (1.8)
DOCK6 (2.4)	FGF21 (2.3)	LPIN3 (1.8)	SLC22A1 (1.8)	RASIP1 (1.7)
PGS1 (2.0)	AMPD2 (1.7)	ABCA1 (1.6)	SNX17 (1.3)	TIMD4 (1.2)
TRAM2 (2.1)	PPM1G (2.1)	USP24 (2.0)	TOP1 (2.0)	KANK2 (2.0)
USP24 (2.2)	EHBP1 (2.1)	GSTM5 (2.1)	ENSG00000226622 (1	DOCK7 (1.8)
RELB (2.4)	MAFB (2.0)	BCAM (2.0)	LDLR (1.7)	LPAR2 (1.7)
ZNF821 (2.4)	FADS1 (2.3)	PVRL2 (2.0)	CELSR2 (1.9)	FADS2 (1.8)
HMGCR (1.9)	ABCG8 (1.9)	ENSG00000226806 (1	GSTM4 (1.8)	MAFB (1.7)
GATAD2A (2.5)	KPNB1 (2.4)	TOP1 (2.1)	CARM1 (2.1)	MAU2 (1.9)
NRBP1 (2.5)	GATAD2A (2.1)	PPM1G (2.0)	TOP1 (1.8)	KPNB1 (1.8)
APOC4 (2.7)	SLC22A2 (2.4)	ABCG8 (2.3)	ENSG00000182329 (2	RP1 (2.2)
GOT2P1 (2.4)	ENSG00000226622 (2	ST3GAL4 (2.3)	OBP2B (1.9)	GPR61 (1.6)
TM6SF2 (3.4)	HNF4A (2.9)	APOC3 (2.1)	GSTM4 (1.8)	ABCG8 (1.8)
GPAM (2.4)	CILP2 (2.1)	MAFB (1.9)	MAMSTR (1.9)	HMGCR (1.8)
TIMD4 (1.8)	TOMM40 (1.7)	C19orf52 (1.4)	CETP (1.4)	CLPTM1 (1.4)
NYNRIN (1.8)	ENSG00000256731 (1	C11orf9 (1.5)	CYP26A1 (1.4)	PGS1 (1.3)
CETP (3.1)	GMIP (3.1)	APOC1 (3.0)	MAFB (2.5)	RAB3GAP1 (1.6)
ATXN1L (1.9)	GDF5 (1.9)	ENSG00000236436 (1	ERGIC3 (1.7)	TOMM40 (1.6)
ERGIC3 (1.8)	MYLIP (1.8)	FER1L4 (1.6)	ATXN7L2 (1.6)	C19orf52 (1.5)
CARM1 (2.6)	GRINA (2.5)	MAFB (2.3)	RELB (2.3)	ZNF821 (1.8)
DHODH (3.0)	FADS2 (3.0)	HMGCR (2.7)	TXNL4B (2.5)	GOT2P1 (2.5)
CARM1 (2.5)	LPAR2 (2.5)	C11orf9 (2.3)	GPAM (2.2)	KANK2 (2.2)
USP1 (2.8)	SMARCA4 (2.8)	NOP58 (2.6)	SUGP1 (2.6)	IST1 (2.5)
ABCA5 (2.2)	ABCG8 (2.0)	APOA5 (1.9)	GSTM5 (1.8)	LPL (1.7)
PGS1 (2.1)	PBX4 (2.0)	CETP (1.9)	SLC22A3 (1.9)	RELB (1.8)
TOMM40 (3.2)	DHX38 (3.2)	C12orf43 (3.0)	DARS (2.7)	SUGP1 (2.4)
PVRL2 (2.8)	DOCK7 (2.5)	ATXN1L (2.4)	NCAN (2.3)	NRBP1 (2.1)
NPEPPS (2.5)	ATXN1L (2.4)	RELB (2.4)	PLEC (2.0)	GNAI3 (2.0)
PVRL2 (2.1)	OTX1 (2.1)	TXNL4B (1.9)	CARM1 (1.9)	NRBP1 (1.8)
ZNF513 (3.2)	TRIB1 (3.1)	PVR (3.0)	GMIP (2.5)	RAB3GAP1 (2.0)
ZNF513 (3.2)	TRIB1 (3.1)	PVR (3.0)	GMIP (2.5)	RAB3GAP1 (2.0)
ABCG5 (3.4)	ABCG8 (2.9)	PARP10 (2.6)	APOC3 (2.5)	OASL (2.2)
NUP93 (2.1)	NOP58 (1.8)	PGS1 (1.6)	USP24 (1.6)	USP1 (1.6)
BMPR2 (3.0)	MAP3K4 (2.8)	RAB3GAP1 (2.6)	USP24 (2.5)	LPAR2 (2.4)
PGS1 (2.5)	MAFB (2.2)	IZUMO1 (2.0)	TBKBP1 (2.0)	TRIB1 (2.0)
BCAM (2.4)	PLCG1 (2.4)	CBLC (2.3)	PLEC (1.9)	CELSR2 (1.8)
SMARCA4 (2.9)	BUD13 (2.9)	ATXN1L (2.5)	PPM1G (2.4)	ZNF259 (2.3)
MCM6 (3.9)	POC5 (3.6)	ZRANB3 (3.4)	KPNB1 (2.8)	NUP93 (2.6)
USP1 (2.7)	DHX38 (2.7)	SMARCA4 (2.7)	IST1 (2.6)	BUD13 (2.5)
USP1 (2.7)	DHX38 (2.7)	SMARCA4 (2.7)	IST1 (2.6)	BUD13 (2.5)
ENSG00000236267 (1	CLPTM1 (1.9)	HAVCR1 (1.8)	TXNL4B (1.8)	CEP250 (1.7)
ABCA5 (2.3)	R3HDM1 (2.2)	OASL (2.2)	CARM1 (1.8)	COL4A3BP (1.7)
ENSG00000226806 (2	GCKR (1.9)	CYP26A1 (1.9)	ENSG00000231204 (1	PLCG1 (1.6)
MYLIP (1.8)	CILP2 (1.8)	SPATC1 (1.8)	FER1L4 (1.6)	PLCG1 (1.6)

GNAI3 (2.4)	KPNB1 (2.3)	KANK2 (2.2)	PLEC (2.0)	TOP1 (2.0)
DHX38 (2.8)	IST1 (2.7)	USP1 (2.6)	SMARCA4 (2.5)	NOP58 (2.5)
SUMO1 (1.9)	ANGPTL3 (1.9)	APOC4 (1.9)	ENSG00000244861 (1	GATAD2A (1.9)
ENSG00000228044 (2	ABO (2.3)	SLC44A2 (2.0)	PGS1 (1.9)	GSTM5 (1.8)
FNDC4 (2.0)	HNF4A (1.9)	OASL (1.9)	PCSK9 (1.8)	MAFB (1.5)
PCSK9 (2.5)	LPAL2 (2.2)	IST1 (2.2)	LPA (2.1)	FADS2 (1.9)
KPNB1 (2.7)	TOP1 (2.4)	GNAI3 (2.1)	TOMM40 (1.9)	DHODH (1.8)
LPL (2.0)	RELB (1.8)	LPAR2 (1.7)	LPIN3 (1.7)	RASIP1 (1.5)
TOP1 (2.8)	DHODH (2.8)	DARS (2.6)	DHX38 (2.3)	BUD13 (2.2)
SYPL2 (2.0)	ABO (1.6)	GPR61 (1.5)	LIPG (1.4)	GSTM5 (1.4)
MAP3K4 (1.8)	C17orf57 (1.6)	GDF5 (1.6)	LPAL2 (1.6)	PVR (1.5)
MAP3K4 (1.8)	C17orf57 (1.6)	GDF5 (1.6)	LPAL2 (1.6)	PVR (1.5)
MAP3K4 (1.8)	C17orf57 (1.6)	GDF5 (1.6)	LPAL2 (1.6)	PVR (1.5)
POC5 (2.0)	BMPR2 (2.0)	ATP13A1 (2.0)	POLK (1.7)	PVRL2 (1.7)
SYPL2 (1.9)	ZNF513 (1.6)	TRAM2 (1.5)	SLC22A3 (1.5)	MYLIP (1.4)
HNF1A (2.4)	ZNF821 (2.1)	TRAM2 (2.1)	ZHX3 (2.0)	NRBP1 (1.9)
ENSG00000228044 (2	ST3GAL4 (2.1)	FUT2 (2.1)	NYNRIN (2.0)	CYB561D1 (1.8)
PVRL2 (2.1)	PVR (2.1)	KPNB1 (2.0)	IGF2R (2.0)	SNX17 (1.9)
CYB561D1 (2.3)	SLC22A2 (2.1)	FGF21 (2.1)	NFE2L3 (2.0)	ZHX3 (1.7)
PGS1 (2.3)	TRIB1 (2.2)	PMFBP1 (1.9)	TRAM2 (1.9)	OASL (1.8)
PLCG1 (1.9)	TBKBP1 (1.8)	POLK (1.6)	ATXN7L2 (1.5)	TRIB1 (1.4)
ENSG00000236267 (2	RAB3GAP1 (1.9)	TIMD4 (1.9)	ENSG00000231204 (1	HAVCR1 (1.5)
ENSG00000236267 (2	RAB3GAP1 (1.9)	TIMD4 (1.9)	ENSG00000231204 (1	HAVCR1 (1.5)
FADS1 (1.7)	SLC44A2 (1.7)	PARP10 (1.7)	SLC22A3 (1.6)	RASIP1 (1.5)
GMIP (2.2)	ABCA6 (2.1)	CETP (2.0)	SLC44A2 (1.9)	IZUMO1 (1.8)
ST3GAL4 (2.4)	LIPG (2.1)	EHBP1 (2.0)	LPAR2 (2.0)	CELSR2 (1.9)
GRINA (2.4)	CARM1 (2.4)	SARS (2.1)	GDF5 (1.9)	MAU2 (1.9)
ENSG00000226622 (2	ABCA6 (2.3)	HP (2.3)	TIMD4 (1.9)	CETP (1.7)
ABCG5 (2.0)	SARS (1.9)	ZNF513 (1.9)	COL4A3BP (1.7)	C11orf9 (1.7)
ABCA6 (2.6)	TRAM2 (2.5)	NFE2L3 (2.4)	C11orf9 (2.3)	KRTCAP3 (2.2)
HP (2.3)	TM6SF2 (2.2)	MAMSTR (1.9)	SLC22A3 (1.8)	SYPL2 (1.8)
OASL (2.3)	LCT (2.1)	SORT1 (1.7)	HAVCR1 (1.6)	C17orf57 (1.6)
DHX38 (2.9)	NOP58 (2.7)	SMARCA4 (2.6)	USP1 (2.6)	SUGP1 (2.4)
GPAM (2.0)	ENSG00000235545 (1	ABCG5 (1.8)	DARS (1.7)	MAP3K4 (1.6)
ATP13A1 (2.1)	IFT172 (2.0)	GSTM4 (1.5)	GOT2P1 (1.5)	NUP93 (1.5)
C19orf52 (2.1)	YIPF2 (2.0)	PARP10 (1.9)	OASL (1.8)	AMIGO1 (1.8)
MAP3K4 (1.8)	GDF5 (1.7)	C17orf57 (1.6)	ENSG00000244861 (1	NFE2L3 (1.5)
SNX17 (2.0)	CYP26A1 (2.0)	SUGP1 (2.0)	ABCA5 (1.7)	MAU2 (1.7)
LPAL2 (1.9)	LPA (1.7)	GPR61 (1.6)	DHODH (1.6)	GSTM4 (1.5)
GATAD2A (2.7)	GRINA (2.4)	KPNB1 (2.0)	ENSG00000182329 (2	SMARCA4 (2.0)
MAFB (2.5)	KANK2 (2.2)	C11orf9 (2.2)	MYLIP (2.0)	CBLC (2.0)
SUMO1 (2.7)	TXNL4B (2.5)	PPM1G (2.3)	DHX38 (2.3)	NRBP1 (2.0)
AMPD2 (2.6)	TOMM40 (2.4)	PPM1G (2.3)	DHX38 (2.2)	DHODH (2.1)
RELB (1.9)	MAP3K4 (1.8)	PVR (1.7)	NFE2L3 (1.7)	C17orf57 (1.7)
NUP93 (2.8)	SNX17 (2.2)	NPEPPS (2.0)	SUMO1 (2.0)	KPNB1 (1.9)
C19orf80 (2.4)	MAMSTR (2.2)	APOA5 (2.0)	SYPL2 (1.9)	SORT1 (1.9)
CYP26A1 (2.2)	LPAR2 (2.0)	ENSG00000226648 (1	OBP2B (1.7)	ENSG00000236436 (1
NUP93 (3.5)	USP1 (3.2)	KPNB1 (3.0)	ZRANB3 (2.4)	UBXN4 (2.3)
LPAR2 (2.4)	PBX4 (2.3)	ZNF821 (2.2)	LPIN3 (1.9)	TSSK6 (1.9)
SARS (3.3)	FGF21 (3.0)	ZNF513 (2.1)	POLK (1.9)	RAB3GAP1 (1.9)

ZNF513 (2.4)	GMIP (2.0)	LPAR2 (1.9)	MAFB (1.9)	GATAD2A (1.9)
ST3GAL4 (2.4)	LPAR2 (2.1)	CELSR2 (2.1)	EHBP1 (1.9)	ATXN1L (1.8)
C19orf52 (2.2)	AMPD2 (2.2)	SNX17 (2.1)	CARM1 (2.1)	UBXN4 (2.0)
CETP (2.2)	MAFB (2.1)	CYB561D1 (2.1)	ENSG00000236267 (2	ABCA6 (2.0)
ATXN1L (2.6)	ENSG00000256731 (2	PLCG1 (2.1)	MAP3K4 (2.1)	ENSG00000226648 (1
TXNL4B (3.0)	POC5 (2.8)	TRIB1 (2.7)	DHODH (2.7)	ENSG00000256731 (1
MAFB (2.6)	TRIB1 (2.0)	GMIP (1.9)	OASL (1.8)	PARP10 (1.5)
DHX38 (2.2)	ZNF513 (2.1)	MAFB (2.0)	BMPR2 (2.0)	FGF21 (1.9)
CELSR2 (2.7)	C19orf52 (2.6)	GOT2P1 (2.5)	IST1 (2.5)	CLPTM1 (2.3)
ABCG8 (2.5)	APOA4 (2.2)	SARS (2.2)	FGF21 (2.2)	GPAM (2.0)
BCAM (2.7)	FUT1 (2.7)	DOCK6 (2.6)	KANK2 (2.5)	PVRL2 (2.3)
ATP13A1 (2.7)	KPNB1 (2.5)	AMPD2 (2.3)	R3HDM1 (2.2)	HAVCR1 (2.0)
COL4A3BP (2.1)	EHBP1 (2.0)	APOE (1.6)	DOCK7 (1.5)	FADS1 (1.5)
TM6SF2 (2.5)	HNF4A (2.3)	TBKBP1 (2.0)	ENSG00000226648 (2	GOT2P1 (1.8)
DOCK6 (2.1)	BCAM (2.0)	KANK2 (1.9)	GDF5 (1.9)	MYLIP (1.8)
ZHX3 (2.1)	HMGCR (2.1)	LDLR (1.9)	CBLC (1.9)	MAFB (1.8)
SPATC1 (3.1)	LIPG (2.2)	OBP2B (2.2)	GSTM5 (2.0)	GSTM4 (1.9)
LIPG (1.5)	PCSK9 (1.5)	IFT172 (1.4)	SPATC1 (1.3)	UBXN4 (1.3)
DARS (2.7)	ATP13A1 (2.6)	ATXN7L2 (2.6)	TOP1 (2.4)	PPM1G (2.3)
CLPTM1 (2.5)	LPIN3 (2.4)	ZHX3 (2.1)	NRBP1 (2.0)	SUGP1 (1.9)
ENSG00000236267 (2	DOCK7 (1.9)	ENSG00000228044 (1	PVRL2 (1.7)	AMIGO1 (1.7)
BUD13 (2.8)	USP1 (2.7)	DHX38 (2.6)	SMARCA4 (2.6)	PPM1G (2.5)
ZRANB3 (4.3)	NUP93 (2.5)	PPM1G (2.2)	KPNB1 (2.1)	HAPLN4 (2.0)
ZNF821 (2.2)	POLK (2.2)	TSSK6 (2.2)	DHX38 (2.1)	KANK2 (2.1)
IST1 (3.0)	GNAI3 (2.6)	NRBP1 (2.5)	CLPTM1 (2.2)	ERGIC3 (2.2)
PVRL2 (1.9)	ZNF513 (1.7)	FADS2 (1.7)	AMPD2 (1.6)	LPIN3 (1.6)
OTX1 (2.6)	ATXN1L (2.5)	NPEPPS (2.3)	DHX38 (2.3)	ENSG00000226622 (2
GNAI3 (2.1)	PLEC (1.9)	MYLIP (1.8)	CARM1 (1.8)	COL4A3BP (1.7)
LDLR (2.3)	SPATC1 (2.2)	APOB (2.1)	LCT (2.0)	APOA4 (1.9)
LIPG (2.4)	CELSR2 (2.3)	LPAR2 (2.1)	MAP3K4 (2.1)	ST3GAL4 (2.1)
USP1 (2.8)	NOP58 (2.7)	SMARCA4 (2.6)	DHX38 (2.6)	PPM1G (2.6)
NUP93 (3.1)	SMARCA4 (3.0)	NOP58 (2.8)	FEN1 (2.7)	PPM1G (2.6)
SMARCA4 (2.8)	DHX38 (2.8)	NUP93 (2.8)	PPM1G (2.7)	USP1 (2.6)
PARP10 (2.4)	PVR (2.2)	GRINA (2.1)	RASIP1 (1.7)	PMFBP1 (1.5)
NUP93 (3.0)	SNX17 (2.4)	TOMM40 (2.0)	NRBP1 (1.8)	KPNB1 (1.7)
MYLIP (2.4)	RASIP1 (1.8)	LPA (1.8)	ABCG8 (1.8)	C19orf52 (1.8)
NOP58 (2.7)	DHX38 (2.7)	USP1 (2.7)	SUGP1 (2.6)	TOP1 (2.6)
ENSG00000226806 (2	APOE (2.0)	ABCA1 (1.8)	GOT2P1 (1.8)	BCAM (1.6)
CLPTM1 (2.1)	NCAN (2.0)	YIPF2 (1.7)	MYLIP (1.7)	GRINA (1.5)
NFE2L3 (2.1)	ENSG00000226645 (2	SMARCA4 (1.8)	CARM1 (1.7)	DHX38 (1.7)
ZNF821 (2.9)	SMARCA4 (2.4)	CEP250 (2.4)	GRINA (2.2)	CARM1 (1.9)
BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)	NFE2L3 (1.7)	FUT2 (1.7)
BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)	NFE2L3 (1.7)	FUT2 (1.7)
BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)	NFE2L3 (1.7)	FUT2 (1.7)
CETP (1.9)	KANK2 (1.8)	CEP250 (1.8)	ENSG00000226806 (1	SMARCA4 (1.6)
OTX1 (2.4)	MAFB (2.2)	ABCA1 (1.8)	SLC22A2 (1.8)	CBLC (1.7)
DHX38 (3.3)	IST1 (2.9)	KPNB1 (2.8)	MAU2 (2.7)	NUP93 (2.7)
PVRL2 (2.6)	GATAD2A (2.4)	SORT1 (2.4)	ATXN1L (2.4)	USP24 (2.2)
ZNF259 (3.1)	POC5 (2.6)	C12orf43 (2.6)	NUP93 (2.3)	SARS (2.3)
RP1 (2.3)	GPR61 (2.2)	NYNRIN (2.1)	HAPLN4 (1.9)	YIPF2 (1.8)

DARS (1.9)	LDLR (1.7)	NUP93 (1.7)	MAP3K4 (1.7)	SLC44A2 (1.6)
HAPLN4 (2.5)	LIPG (2.2)	GNAT2 (2.2)	APOA5 (2.2)	SLC22A2 (2.0)
TOMM40 (2.0)	BMPR2 (1.7)	PVR (1.6)	ENSG00000226622 (1	ENSG00000226645 (1
PPM1G (2.7)	CEP250 (2.7)	FER1L4 (2.5)	FEN1 (2.5)	ERGIC3 (2.1)
ERGIC3 (2.3)	HMGCR (2.1)	CLPTM1 (2.1)	LPAR2 (2.0)	PGS1 (2.0)
TRAM2 (2.3)	SLC22A2 (2.2)	NCAN (2.2)	FUT2 (2.0)	ABO (2.0)
PLEC (3.1)	KRTCAP3 (3.1)	FUT1 (3.0)	LIPG (2.5)	PVR (2.2)
DHX38 (2.9)	USP1 (2.7)	SMARCA4 (2.7)	IST1 (2.6)	BUD13 (2.4)
MYLIP (2.1)	FUT2 (1.8)	LIPG (1.7)	GOT2P1 (1.6)	PLCG1 (1.6)
HNF4A (2.3)	TRIM54 (2.2)	TIMD4 (2.1)	PLG (2.1)	ANGPTL3 (2.1)
ABCA6 (1.7)	LPAL2 (1.7)	NFE2L3 (1.5)	PARP10 (1.4)	ENSG00000244861 (1
GOT2P1 (2.7)	C19orf80 (1.9)	ZHX3 (1.8)	GPR61 (1.8)	YIPF2 (1.5)
MAFB (2.9)	ABCA6 (2.4)	CYB561D1 (2.4)	CETP (2.1)	ENSG00000236267 (2
MAP3K4 (1.9)	DOCK7 (1.8)	ENSG00000231204 (1	FEN1 (1.7)	OBP2B (1.7)
MAU2 (2.9)	NUP93 (2.6)	SMARCA4 (2.5)	CEP250 (2.5)	ZNF259 (2.4)
ABCA6 (2.0)	BMPR2 (1.9)	POLK (1.9)	C11orf9 (1.9)	ENSG00000226645 (1
DARS (2.5)	ERGIC3 (2.2)	PPM1G (2.2)	DHX38 (2.2)	SUGP1 (2.2)
NUP93 (2.9)	DHX38 (2.7)	BUD13 (2.7)	IST1 (2.6)	SMARCA4 (2.3)
BUD13 (3.0)	NOP58 (2.8)	PPM1G (2.7)	SUGP1 (2.7)	USP1 (2.5)
CELSR2 (2.8)	EHBP1 (2.3)	BMPR2 (2.0)	ATXN1L (1.8)	LPAR2 (1.8)
BUD13 (3.3)	SMARCA4 (3.2)	TOP1 (2.9)	IST1 (2.8)	NOP58 (2.7)
ERGIC3 (2.1)	ENSG00000182329 (1	KRTCAP3 (1.8)	FER1L4 (1.6)	CELSR2 (1.5)
ENSG00000228044 (1	TM6SF2 (1.8)	ZNF513 (1.6)	ENSG00000256731 (1	LCT (1.6)
PLEC (2.7)	KANK2 (2.2)	GSTM4 (2.0)	PVR (2.0)	GNAI3 (1.9)
ANGPTL3 (3.6)	OTX1 (3.1)	APOC4 (2.5)	APOB (2.4)	SLC22A1 (2.3)
PSRC1 (2.4)	NPEPPS (2.1)	R3HDM1 (2.1)	GNAI3 (2.0)	PVRL2 (1.9)
PPM1G (2.4)	NOP58 (1.9)	SMARCA4 (1.8)	SUGP1 (1.7)	DOCK6 (1.7)
FER1L4 (2.6)	DOCK6 (2.5)	FUT1 (2.3)	RASIP1 (2.2)	NPEPPS (2.1)
YIPF2 (2.0)	FUT2 (1.9)	ERGIC3 (1.9)	GSTM4 (1.8)	APOE (1.7)
TXNL4B (2.9)	TRIB1 (2.8)	DHODH (2.6)	POC5 (2.4)	PMFBP1 (2.0)
SPATC1 (2.2)	GATAD2A (2.1)	ZHX3 (2.0)	ENSG00000231204 (1	ENSG00000226622 (1
YIPF2 (2.4)	SLC22A3 (2.4)	ZNF513 (1.9)	FGF21 (1.9)	TSSK6 (1.6)
R3HDM1 (2.1)	UBXN4 (2.1)	NOP58 (2.0)	GOT2P1 (1.9)	SLC44A2 (1.8)
C11orf9 (1.8)	APOC1 (1.7)	PCSK9 (1.7)	LPAR2 (1.6)	KRTCAP3 (1.6)
IZUMO1 (1.8)	GDF5 (1.6)	LPAL2 (1.5)	ENSG00000231204 (1	C17orf57 (1.5)
NFE2L3 (3.0)	SNX17 (2.5)	SUGP1 (2.2)	NRBP1 (2.0)	POC5 (2.0)
NUP93 (3.0)	TOP1 (2.8)	NOP58 (2.8)	SMARCA4 (2.7)	IST1 (2.7)
NUP93 (2.9)	ZRANB3 (2.9)	ENSG00000228044 (2	TXNL4B (1.8)	AMIGO1 (1.8)
NUP93 (3.1)	SMARCA4 (3.0)	KPNB1 (2.7)	IST1 (2.6)	DHX38 (2.6)
SLC44A2 (2.0)	USP24 (1.8)	RASIP1 (1.7)	PARP10 (1.6)	DNAH11 (1.6)
NOP58 (2.9)	PPM1G (2.8)	USP1 (2.6)	DHX38 (2.6)	KPNB1 (2.6)
CLPTM1 (2.0)	SNX17 (2.0)	KPNB1 (1.8)	ABCA6 (1.8)	MYLIP (1.7)
HAPLN4 (2.7)	OBP2B (2.7)	ABCG5 (2.6)	APOA4 (2.5)	ABCG8 (2.2)
MCM6 (2.2)	NPEPPS (2.1)	YSK4 (2.0)	USP24 (2.0)	SUGP1 (1.9)
LPAR2 (2.5)	EHBP1 (2.3)	ST3GAL4 (2.3)	CELSR2 (2.2)	LIPG (2.1)
LIPG (2.1)	SLC22A3 (2.0)	ABCA6 (1.8)	TIMD4 (1.6)	LPL (1.6)
PPM1G (2.7)	NOP58 (2.7)	IST1 (2.6)	DARS (2.4)	KPNB1 (2.4)
PPM1G (2.9)	SUGP1 (2.8)	DHX38 (2.5)	SMARCA4 (2.5)	USP1 (2.5)
CYP26A1 (2.5)	C19orf52 (2.3)	NCAN (1.6)	PLCG1 (1.6)	ZNF821 (1.5)
DOCK6 (1.7)	LPL (1.7)	MAFB (1.6)	BMPR2 (1.6)	HAVCR1 (1.6)

TOP1 (2.3)	FADS2 (2.2)	EHBP1 (2.2)	BUD13 (2.1)	IST1 (2.1)
NFE2L3 (2.0)	GSTM4 (2.0)	MAFB (1.9)	IGF2R (1.8)	IFT172 (1.8)
ENSG00000236267 (1	PGS1 (1.7)	PBX4 (1.7)	TIMD4 (1.7)	IZUMO1 (1.7)
USP24 (2.2)	MAU2 (2.2)	R3HDM1 (2.1)	SLC22A3 (2.0)	ZNF821 (2.0)
MAU2 (2.2)	TIMD4 (2.2)	ATP13A1 (1.9)	CETP (1.9)	PARP10 (1.8)
GMIP (2.1)	MYLIP (2.0)	CELSR2 (1.8)	USP24 (1.8)	DOCK6 (1.7)
TIMD4 (2.5)	ENSG00000226622 (2	MAU2 (2.1)	GRINA (1.8)	GMIP (1.7)
COL4A3BP (2.0)	ENSG00000231204 (2	CLPTM1 (1.9)	ENSG00000244861 (1	NRBP1 (1.7)
UBXN4 (2.2)	LIPG (2.1)	NFE2L3 (2.0)	LCT (2.0)	YIPF2 (1.9)
COL4A3BP (2.3)	GATAD2A (2.1)	TRIB1 (2.1)	PLEC (1.9)	NPEPPS (1.8)
ENSG00000231204 (2	EHBP1 (2.4)	OTX1 (2.2)	CYB561D1 (2.1)	FUT2 (1.9)
APOC4 (2.3)	GPR61 (2.1)	RP1 (2.0)	GNAT2 (1.9)	HNF4A (1.9)
TOMM40 (2.5)	MAU2 (2.1)	OBP2B (2.0)	TBKBP1 (1.8)	PBX4 (1.6)
ATXN1L (1.9)	FGF21 (1.8)	LPL (1.6)	IGF2R (1.6)	GATAD2A (1.5)
GDF5 (2.2)	CILP2 (2.1)	CBLC (2.0)	KANK2 (1.9)	EHBP1 (1.8)
DHX38 (2.8)	USP1 (2.7)	BUD13 (2.6)	SMARCA4 (2.6)	IST1 (2.6)
FGF21 (2.1)	SLC22A2 (2.0)	ENSG00000254235 (1	ZHX3 (1.9)	ST3GAL4 (1.7)
FUT1 (2.3)	CELSR2 (2.3)	NFE2L3 (1.9)	FER1L4 (1.7)	TBKBP1 (1.7)
GSTM4 (2.5)	SLC22A1 (2.3)	FER1L4 (2.1)	GPAM (2.0)	ABCG8 (1.9)
TRAM2 (2.6)	PVR (2.4)	LPIN3 (2.4)	ABCG8 (2.2)	KANK2 (2.1)
NFE2L3 (2.3)	TOMM40 (2.2)	NOP58 (2.1)	DARS (2.0)	NUP93 (1.9)
DHX38 (2.3)	PPM1G (2.3)	SNX17 (2.3)	UBXN4 (2.1)	GPR61 (1.9)
CLPTM1 (2.2)	NPEPPS (2.0)	DHODH (1.9)	GPR61 (1.7)	NFE2L3 (1.7)
ENSG00000226806 (1	PARP10 (1.6)	PBX4 (1.6)	ABCA1 (1.5)	CETP (1.2)
SLC22A2 (2.7)	TRIB1 (2.6)	ENSG00000226806 (2	GMIP (2.1)	RELB (2.1)
GATAD2A (3.3)	PPM1G (2.7)	TOMM40 (2.7)	NOP58 (2.7)	ZNF259 (2.5)
LPL (2.1)	SORT1 (2.0)	TRAM2 (1.9)	CEP250 (1.8)	SLC22A3 (1.8)
SARS (2.5)	HAPLN4 (2.3)	LIPC (2.3)	OBP2B (2.2)	APOC4 (2.0)
SYPL2 (2.4)	IGF2R (2.2)	ABCG5 (1.9)	ATXN7L2 (1.9)	ZHX3 (1.8)
HNF4A (1.8)	C11orf9 (1.7)	SUMO1 (1.6)	ENSG00000226648 (1	MYLIP (1.6)
SUGP1 (3.1)	NOP58 (3.0)	SMARCA4 (2.7)	IST1 (2.7)	FEN1 (2.5)
DHX38 (2.0)	AMIGO1 (1.9)	SUGP1 (1.9)	OASL (1.9)	YIPF2 (1.9)
OBP2B (1.7)	HNF4A (1.6)	APOE (1.6)	YSK4 (1.5)	ABO (1.5)
MAU2 (2.5)	EHBP1 (2.2)	SUMO1 (1.8)	BMPR2 (1.7)	LPAR2 (1.5)
PPM1G (1.8)	ENSG00000226645 (1	DOCK6 (1.7)	CYB561D1 (1.6)	LPL (1.6)
APOC1 (2.9)	SORT1 (2.5)	MAFB (2.4)	ZRANB3 (2.2)	PARP10 (1.7)
PVRL2 (1.8)	BCAM (1.5)	MAMSTR (1.5)	PCSK9 (1.5)	TM6SF2 (1.5)
NOP58 (2.5)	C12orf43 (2.5)	ENSG00000226645 (2	TOP1 (2.4)	POC5 (2.3)
MAFB (2.5)	CYP26A1 (2.4)	TRIB1 (2.0)	TRAM2 (1.7)	LIPC (1.5)
BUD13 (3.3)	MAU2 (3.1)	NUP93 (3.0)	IST1 (2.7)	ZNF259 (2.5)
IZUMO1 (1.7)	C17orf57 (1.6)	ENSG00000231204 (1	LPAL2 (1.6)	NFE2L3 (1.6)
DOCK6 (1.9)	CETP (1.9)	C17orf57 (1.9)	SPATC1 (1.9)	ENSG00000226645 (1
PLCG1 (2.0)	IGF2R (1.9)	ENSG00000226806 (1	BMPR2 (1.9)	CYP26A1 (1.9)
DHX38 (2.9)	ZNF259 (2.9)	POC5 (2.4)	NUP93 (2.0)	ATXN1L (2.0)
IZUMO1 (1.7)	C17orf57 (1.7)	PVR (1.6)	GDF5 (1.6)	LPAL2 (1.5)
GRINA (2.0)	SARS (1.9)	GATAD2A (1.8)	CELSR2 (1.8)	GNAI3 (1.6)
GATAD2A (2.4)	SMARCA4 (2.2)	SUGP1 (2.2)	DHX38 (2.2)	ATP13A1 (2.2)
ENSG00000226622 (1	SARS (1.8)	ABCG5 (1.7)	KRTCAP3 (1.6)	COL4A3BP (1.6)
GATAD2A (1.9)	GNAI3 (1.9)	ZNF259 (1.9)	KPNB1 (1.5)	SUGP1 (1.5)
FER1L4 (1.7)	GPR61 (1.5)	TSSK6 (1.4)	GSTM5 (1.4)	ENSG00000226648 (1

GMIP (2.1)	NFE2L3 (2.1)	GRINA (2.0)	CYB561D1 (1.9)	PLEC (1.9)
GRINA (2.7)	SMARCA4 (2.6)	ZNF821 (2.4)	MAU2 (2.2)	GSTM5 (2.0)
SMARCA4 (2.3)	ATXN7L2 (2.1)	NPEPPS (2.1)	BUD13 (2.1)	ATP13A1 (2.0)
ZRANB3 (3.1)	CEP250 (3.1)	NUP93 (2.7)	KPNB1 (2.4)	PSRC1 (2.3)
PGS1 (2.1)	KANK2 (2.0)	ENSG00000228044 (1	ENSG00000231204 (1	SORT1 (1.7)
LDLR (2.7)	NPEPPS (2.5)	FADS1 (2.5)	BUD13 (2.5)	CLPTM1 (2.4)
ABCA5 (1.9)	CYB561D1 (1.8)	LPAR2 (1.7)	YIPF2 (1.6)	CLPTM1 (1.5)
ENSG00000235545 (2	PLEC (2.7)	NRBP1 (2.3)	OBP2B (2.1)	ST3GAL4 (1.8)
PVR (2.3)	OASL (2.1)	PARP10 (2.1)	GMIP (2.0)	ABCA6 (1.9)
PVR (2.3)	OASL (2.1)	PARP10 (2.1)	GMIP (2.0)	ABCA6 (1.9)
CBLC (2.1)	MAFB (2.0)	RASIP1 (1.9)	PGS1 (1.6)	PLEC (1.6)
ZRANB3 (4.0)	NUP93 (2.5)	PPM1G (2.3)	CEP250 (2.3)	KPNB1 (2.2)
PGS1 (2.3)	PBX4 (2.2)	FUT2 (2.1)	HNF4A (2.1)	CYB561D1 (1.9)
NOP58 (2.1)	RAB3GAP1 (2.0)	TXNL4B (2.0)	AMPD2 (1.8)	CLPTM1 (1.8)
CYB561D1 (2.8)	NFE2L3 (2.8)	GRINA (2.0)	PVR (1.7)	MYLIP (1.7)
NOP58 (2.8)	DHX38 (2.5)	IST1 (2.4)	BUD13 (2.4)	SMARCA4 (2.4)
TBKBP1 (3.1)	ENSG00000226622 (2	CILP2 (2.2)	SPATC1 (1.9)	PVR (1.9)
MAFB (2.4)	KANK2 (2.3)	TOP1 (1.9)	HAPLN4 (1.9)	IGF2R (1.9)
CELSR2 (2.5)	LPIN3 (2.1)	ST3GAL4 (2.0)	FUT2 (1.9)	EHBP1 (1.8)
CELSR2 (2.5)	LIPG (2.2)	LPAR2 (2.0)	MAP3K4 (2.0)	ST3GAL4 (1.9)
USP1 (3.9)	NUP93 (3.7)	ZRANB3 (2.6)	KPNB1 (2.5)	PPM1G (2.5)
SNX17 (2.0)	MAFB (1.9)	APOE (1.9)	LIPC (1.7)	SLC44A2 (1.7)
BCAM (1.6)	PSMA5 (1.5)	PVRL2 (1.3)	FADS2 (1.3)	FADS1 (1.3)
FADS2 (5.1)	PCSK9 (4.6)	SORT1 (3.2)	ATP13A1 (2.7)	CLPTM1 (2.6)
CARM1 (2.6)	GRINA (2.3)	FEN1 (2.2)	DOCK7 (2.2)	LPIN3 (2.2)
OTX1 (1.5)	TIMD4 (1.5)	PLCG1 (1.4)	KANK2 (1.3)	ATP13A1 (1.3)
RELB (1.9)	HAVCR1 (1.8)	SLC44A2 (1.8)	PBX4 (1.8)	POLK (1.7)
IST1 (2.3)	RAB3GAP1 (2.2)	ENSG00000226806 (2	SNX17 (2.1)	CETP (2.0)
CYP26A1 (2.3)	GDF5 (1.9)	NYNRIN (1.8)	LPIN3 (1.7)	OBP2B (1.6)
PARP10 (1.9)	ENSG00000231204 (1	GMIP (1.9)	CYB561D1 (1.7)	MAFB (1.6)
NRBP1 (2.6)	SNX17 (2.1)	GATAD2A (2.0)	GNAI3 (2.0)	CARM1 (1.7)
SUGP1 (3.0)	TOP1 (2.8)	PPM1G (2.7)	IST1 (2.5)	NOP58 (2.4)
CEP250 (3.8)	POLK (2.7)	USP1 (2.5)	KANK2 (2.2)	KPNB1 (2.1)
GMIP (2.5)	LPAR2 (2.1)	NRBP1 (2.1)	RELB (2.0)	MAU2 (1.9)
LDLR (2.1)	CEP250 (2.1)	MAU2 (1.7)	LIPC (1.6)	PCSK9 (1.6)
NPEPPS (2.6)	PLCG1 (2.3)	NOP58 (2.2)	TOP1 (2.1)	DHX38 (2.1)
PVRL2 (2.3)	FADS2 (2.2)	PLG (2.2)	FADS1 (2.2)	APOC4 (2.0)
SARS (2.3)	C12orf43 (2.2)	PPM1G (1.9)	SUGP1 (1.9)	GATAD2A (1.8)
TIMD4 (1.8)	ENSG00000231204 (1	IZUMO1 (1.7)	ABCA5 (1.7)	ATXN7L2 (1.6)
DHX38 (2.6)	SMARCA4 (2.3)	ATXN1L (2.3)	ZNF821 (2.3)	LPA (2.3)
DHODH (2.5)	GOT2P1 (2.4)	HNF1A (2.2)	DNAH11 (2.1)	FGF21 (2.0)
PVR (2.2)	HP (2.2)	OASL (2.0)	MAFB (1.6)	GDF5 (1.5)
PMFBP1 (1.7)	C12orf43 (1.7)	GNAI3 (1.5)	CARM1 (1.5)	AMPD2 (1.5)
NUP93 (2.9)	TOP1 (2.7)	BUD13 (2.6)	NOP58 (2.6)	IST1 (2.5)
ABCA1 (2.3)	SORT1 (2.3)	EHBP1 (2.0)	ABCA6 (1.9)	HAPLN4 (1.6)
POLK (2.2)	PSRC1 (2.1)	FUT2 (2.1)	SORT1 (1.8)	SLC44A2 (1.7)
RP1 (2.0)	NCAN (1.7)	TRIB1 (1.6)	ENSG00000231204 (1	C17orf57 (1.5)
APOA4 (2.2)	TRAM2 (2.2)	SORT1 (2.1)	APOC3 (2.0)	TM6SF2 (1.9)
MAFB (1.9)	CILP2 (1.9)	EHBP1 (1.7)	ABO (1.7)	OTX1 (1.6)
SLC22A2 (2.4)	C11orf9 (2.2)	ERGIC3 (2.0)	ENSG00000226622 (1	TRAM2 (1.8)

CEP250 (2.2)	PARP10 (2.1)	OASL (1.9)	YIPF2 (1.9)	AMIGO1 (1.8)
ATP13A1 (1.8)	CEP250 (1.8)	DNAH11 (1.7)	BUD13 (1.7)	ABO (1.7)
DHX38 (2.2)	MAP3K4 (1.9)	IST1 (1.8)	OTX1 (1.8)	NRBP1 (1.7)
USP1 (2.4)	DHODH (2.3)	POC5 (2.0)	PGS1 (1.9)	NOP58 (1.8)
SARS (1.8)	PSMA5 (1.7)	ZNF259 (1.7)	SLC22A1 (1.6)	LPA (1.5)
DHODH (1.8)	CELSR2 (1.6)	PLCG1 (1.5)	ENSG00000236267 (1	ST3GAL4 (1.5)
USP1 (2.2)	GNAI3 (2.0)	TOMM40 (1.9)	NUP93 (1.9)	FEN1 (1.9)
USP1 (2.2)	GNAI3 (2.0)	TOMM40 (1.9)	NUP93 (1.9)	FEN1 (1.9)
ENSG00000226622 (1	LPIN3 (1.4)	TIMD4 (1.3)	BCAM (1.3)	APOE (1.3)
NRBP1 (2.8)	NUP93 (2.7)	PSMA5 (2.6)	UBXN4 (2.5)	FUT1 (2.2)
BCAM (2.1)	GPAM (2.0)	ABO (2.0)	APOC1 (1.9)	HNF4A (1.8)
ATXN7L2 (1.9)	PGS1 (1.9)	SUMO1 (1.9)	MAU2 (1.8)	SPATC1 (1.8)
ATXN7L2 (1.9)	PGS1 (1.9)	SUMO1 (1.9)	MAU2 (1.8)	SPATC1 (1.8)
CARM1 (2.3)	CEP250 (2.2)	ENSG00000226645 (2	USP24 (2.1)	RELB (2.1)
CBLC (2.4)	ENSG00000244861 (2	ATXN1L (2.2)	ST3GAL4 (2.0)	ABO (1.9)
SNX17 (2.1)	YIPF2 (1.9)	DARS (1.8)	SARS (1.8)	C19orf52 (1.7)
ATP13A1 (2.8)	YIPF2 (2.7)	ST3GAL4 (2.6)	SLC44A2 (2.5)	CLPTM1 (1.8)
BCAM (2.6)	ENSG00000226806 (2	KRTCAP3 (2.3)	RASIP1 (2.0)	APOC1 (1.9)
PVR (2.0)	DNAH11 (1.9)	C17orf57 (1.9)	ABCA1 (1.8)	PARP10 (1.8)
OBP2B (1.9)	SLC44A2 (1.9)	ENSG00000244861 (1	KANK2 (1.8)	TSSK6 (1.7)
BUD13 (2.6)	SUMO1 (2.6)	MCM6 (2.1)	ATXN7L2 (1.8)	ENSG00000254235 (1
LIPG (2.3)	AMIGO1 (2.1)	CYB561D1 (2.0)	TBKBP1 (2.0)	LPIN3 (1.9)
FUT2 (2.7)	TM6SF2 (2.4)	APOB (2.3)	PCSK9 (2.1)	LIPC (1.9)
GMIP (2.2)	ZNF513 (2.1)	LPAR2 (2.1)	RAB3GAP1 (2.1)	CARM1 (2.0)
NFE2L3 (2.7)	KPNB1 (2.5)	SMARCA4 (2.4)	IST1 (2.4)	SUGP1 (2.3)
DHODH (2.4)	GNAI3 (2.2)	PARP10 (2.1)	MYLIP (1.9)	LPL (1.7)
PBX4 (2.1)	YIPF2 (1.8)	FER1L4 (1.5)	ATXN7L2 (1.5)	GPAM (1.3)
FEN1 (2.8)	NOP58 (2.8)	PSRC1 (2.5)	CARM1 (2.4)	ENSG00000226648 (2
NUP93 (2.7)	SNX17 (2.1)	TOMM40 (2.1)	PPM1G (1.9)	KPNB1 (1.7)
LDLR (2.1)	NPEPPS (2.1)	ATXN7L2 (2.0)	TBKBP1 (2.0)	PSRC1 (2.0)
NRBP1 (2.8)	ZHX3 (2.7)	C11orf9 (2.4)	CBLC (2.4)	FER1L4 (2.2)
LCT (3.0)	HNF1A (2.6)	APOC3 (2.5)	GSTM5 (2.5)	PMFBP1 (2.2)
CARM1 (2.2)	PLCG1 (2.1)	RAB3GAP1 (2.1)	DHX38 (1.9)	MAP3K4 (1.9)
CYP26A1 (1.9)	DNAH11 (1.8)	AMIGO1 (1.7)	LPAL2 (1.5)	SLC22A3 (1.5)
GSTM5 (2.3)	OBP2B (1.9)	ST3GAL4 (1.6)	EHBP1 (1.6)	ENSG00000226806 (1
CARM1 (2.1)	SMARCA4 (2.1)	SUGP1 (2.0)	TOP1 (1.8)	PSMA5 (1.8)
BUD13 (2.6)	ENSG00000226645 (2	NOP58 (2.4)	DHODH (2.2)	FEN1 (2.2)
BUD13 (2.6)	ENSG00000226645 (2	NOP58 (2.4)	DHODH (2.2)	FEN1 (2.2)
BUD13 (2.6)	ENSG00000226645 (2	NOP58 (2.4)	DHODH (2.2)	FEN1 (2.2)
PVRL2 (2.5)	SPATC1 (2.4)	PVR (2.0)	PBX4 (1.9)	ABCA6 (1.7)
C11orf9 (2.5)	OTX1 (2.4)	TRAM2 (2.4)	NFE2L3 (2.3)	CYP26A1 (2.2)
GSTM4 (1.8)	C19orf52 (1.8)	DHODH (1.7)	IFT172 (1.6)	MAU2 (1.5)
MYLIP (2.3)	ZNF821 (2.1)	CETP (2.0)	TIMD4 (1.9)	RELB (1.7)
HNF1A (2.1)	ENSG00000226806 (1	FGF21 (1.8)	LIPC (1.6)	NFE2L3 (1.6)
USP24 (2.8)	COL4A3BP (2.7)	ZHX3 (2.6)	LPAR2 (2.6)	BMPR2 (2.6)
OTX1 (2.3)	MYLIP (2.2)	LPL (2.0)	BMPR2 (1.7)	GPAM (1.5)
ENSG00000226648 (2	CYP26A1 (2.0)	ABO (1.9)	MYLIP (1.8)	LIPG (1.8)
SMARCA4 (3.0)	NOP58 (2.7)	TOP1 (2.6)	SUGP1 (2.6)	GATAD2A (2.4)
ABCA1 (2.7)	MAFB (2.4)	PGS1 (2.3)	APOE (2.2)	NFE2L3 (2.1)
USP1 (2.3)	TOP1 (2.1)	PPM1G (2.1)	ATP13A1 (2.0)	PSMA5 (1.9)

NYNRIN (2.3)	KANK2 (2.1)	DOCK6 (2.0)	ENSG00000254235 (2	ENSG00000236436 (1
ATXN1L (2.1)	GDF5 (2.1)	MAP3K4 (1.9)	C11orf9 (1.9)	LDLR (1.8)
LPIN3 (2.9)	SUMO1 (2.7)	PGS1 (2.5)	GATAD2A (2.5)	ATXN1L (2.2)
NUP93 (2.7)	TOMM40 (2.1)	SNX17 (1.9)	PPM1G (1.9)	MCM6 (1.6)
GPR61 (2.1)	YSK4 (2.1)	ENSG00000231204 (1	ENSG00000182329 (1	CETP (1.8)
CETP (1.7)	MAFB (1.7)	TIMD4 (1.7)	ENSG00000244861 (1	GDF5 (1.6)
CLPTM1 (2.0)	NRBP1 (1.8)	PLEC (1.6)	PVR (1.6)	MYLIP (1.5)
ENSG00000235545 (1	CYP26A1 (1.7)	ERGIC3 (1.6)	ST3GAL4 (1.3)	PSRC1 (1.3)
PMFBP1 (3.0)	ENSG00000231204 (2	IZUMO1 (2.6)	SPATC1 (2.4)	ENSG00000236267 (1
NFE2L3 (2.4)	PVR (2.1)	CLPTM1 (2.1)	SUMO1 (1.9)	SNX17 (1.9)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
CELSR2 (2.6)	ENSG00000236436 (2	BCAM (1.9)	TXNL4B (1.8)	AMIGO1 (1.7)
LIPG (2.1)	DNAH11 (2.1)	ENSG00000244861 (2	ENSG00000236436 (2	ZNF821 (2.0)
CETP (1.6)	SORT1 (1.6)	UBXN4 (1.6)	TRIB1 (1.5)	TIMD4 (1.5)
ATXN1L (2.2)	LDLR (2.1)	MAU2 (2.0)	GATAD2A (1.9)	PLCG1 (1.9)
LIPG (2.2)	C17orf57 (1.8)	FNDC4 (1.8)	GSTM5 (1.7)	ENSG00000226806 (1
LPL (2.5)	ENSG00000235545 (2	APOA4 (2.2)	ENSG00000236436 (2	ENSG00000236267 (2
C17orf57 (1.9)	FUT1 (1.9)	AMIGO1 (1.8)	GPR61 (1.8)	LPAR2 (1.7)
HAVCR1 (2.0)	ENSG00000244861 (1	TIMD4 (1.4)	LIPC (1.4)	CETP (1.3)
KANK2 (2.7)	BCAM (2.5)	TRIB1 (2.5)	CILP2 (2.4)	CETP (2.0)
NOP58 (2.6)	BUD13 (2.6)	DHX38 (2.5)	USP1 (2.5)	SUGP1 (2.5)
ATXN1L (2.3)	GDF5 (2.2)	ABO (2.2)	ENSG00000244861 (1	KANK2 (1.8)
TOMM40 (2.9)	C12orf43 (2.7)	AMPD2 (2.0)	ATXN7L2 (1.8)	CARM1 (1.7)
NOP58 (2.2)	GSTM5 (1.7)	USP1 (1.7)	PARP10 (1.5)	SPATC1 (1.5)
TIMD4 (1.7)	CETP (1.6)	PLCG1 (1.5)	ATP13A1 (1.4)	OTX1 (1.3)
APOA4 (2.6)	TRAM2 (2.3)	ABCG8 (2.3)	APOB (2.3)	TM6SF2 (2.2)
PLEC (2.3)	R3HDM1 (2.3)	DOCK6 (2.1)	SMARCA4 (1.9)	EHBP1 (1.8)
MAFB (2.0)	GPR61 (1.9)	SPATC1 (1.8)	TIMD4 (1.7)	APOC1 (1.7)
KRTCAP3 (2.3)	LCT (2.0)	GNAT2 (2.0)	ATP13A1 (1.9)	TM6SF2 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
ABCA6 (2.2)	TIMD4 (2.2)	PGS1 (1.9)	ENSG00000226622 (1	GOT2P1 (1.8)
USP24 (1.9)	APOC1 (1.8)	FGF21 (1.8)	ABCA5 (1.7)	FER1L4 (1.7)
TBKBP1 (2.1)	LPIN3 (2.0)	TSSK6 (2.0)	HNF4A (1.9)	TM6SF2 (1.9)
NYNRIN (2.5)	FADS2 (2.4)	LDLR (2.2)	LPAL2 (2.2)	LIPG (2.1)
FUT1 (2.6)	CELSR2 (1.9)	EHBP1 (1.9)	BMPR2 (1.8)	DOCK6 (1.7)
HAVCR1 (2.6)	LIPG (2.3)	TXNL4B (1.8)	DOCK6 (1.7)	HNF1A (1.5)
TSSK6 (1.9)	HMGCR (1.9)	TRAM2 (1.9)	ZHX3 (1.8)	FER1L4 (1.8)
NFE2L3 (3.2)	MAU2 (1.7)	GMIP (1.6)	CYB561D1 (1.6)	NRBP1 (1.5)
OBP2B (2.0)	GDF5 (1.8)	BMPR2 (1.7)	ENSG00000235545 (1	NYNRIN (1.7)

GRINA (2.3)	OASL (2.3)	GNAI3 (2.2)	PARP10 (2.0)	POLK (1.9)
TXNL4B (2.4)	LPIN3 (2.2)	KRTCAP3 (2.1)	ENSG00000236436 (2	ENSG00000226806 (1
SORT1 (2.0)	ERGIC3 (2.0)	KPNB1 (1.9)	PLEC (1.8)	APOB (1.8)
DOCK7 (1.8)	GNAI3 (1.8)	CEP250 (1.8)	COL4A3BP (1.8)	DHX38 (1.7)
DOCK6 (1.8)	RASIP1 (1.8)	LPIN3 (1.6)	APOE (1.4)	C19orf52 (1.3)
PGS1 (1.6)	PBX4 (1.5)	PMFBP1 (1.5)	SPATC1 (1.4)	TRIB1 (1.4)
FADS1 (3.5)	HMGCR (3.3)	CYP26A1 (2.7)	PCSK9 (2.0)	LDLR (2.0)
FADS2 (2.9)	FNDC4 (2.4)	ERGIC3 (2.2)	ABCA6 (2.0)	LDLR (1.9)
FADS2 (2.9)	FNDC4 (2.4)	ERGIC3 (2.2)	ABCA6 (2.0)	LDLR (1.9)
ST3GAL4 (1.8)	PMFBP1 (1.7)	ZNF513 (1.6)	CYP26A1 (1.5)	LPAR2 (1.5)
ABCA6 (2.7)	SLC22A3 (2.1)	ENSG00000236267 (1	LIPG (1.7)	LPA (1.7)
DOCK6 (2.1)	USP24 (2.1)	ATP13A1 (1.9)	COL4A3BP (1.9)	CBLC (1.8)
IST1 (2.7)	SARS (2.5)	POC5 (2.5)	SUGP1 (2.4)	MAP3K4 (2.2)
CLPTM1 (2.2)	SUMO1 (2.1)	MYLIP (2.0)	GRINA (1.7)	YIPF2 (1.7)
FUT1 (2.2)	TRAM2 (2.0)	LIPC (2.0)	ENSG00000256731 (1	GCKR (1.9)
NUP93 (3.1)	SNX17 (3.0)	IST1 (1.9)	SUGP1 (1.7)	TOMM40 (1.7)
LPAR2 (1.8)	ZNF821 (1.8)	ENSG00000226645 (1	ZRANB3 (1.6)	C11orf9 (1.5)
SMARCA4 (2.2)	ZNF513 (2.1)	GMIP (2.1)	DOCK7 (2.1)	SARS (2.1)
MAP3K4 (1.7)	C17orf57 (1.6)	RELB (1.6)	LPAL2 (1.5)	ENSG00000244861 (1
DOCK7 (1.7)	ENSG00000244861 (1	SUMO1 (1.4)	ENSG00000254235 (1	BCAM (1.3)
ATXN7L2 (2.5)	ABCA5 (2.2)	ENSG00000228044 (2	PMFBP1 (1.9)	KANK2 (1.9)
USP1 (2.7)	NPEPPS (2.6)	PSRC1 (2.6)	GNAI3 (2.4)	ZRANB3 (2.4)
SORT1 (2.0)	NPEPPS (1.7)	SLC44A2 (1.7)	PARP10 (1.6)	FGF21 (1.6)
ZNF259 (2.6)	SUGP1 (2.6)	KPNB1 (2.4)	DHX38 (2.2)	TXNL4B (2.1)
BMPR2 (2.2)	FUT1 (2.2)	PSRC1 (2.0)	MAMSTR (1.8)	ZRANB3 (1.7)
YSK4 (2.6)	DNAH11 (2.4)	OBP2B (2.3)	FUT2 (1.9)	CYP26A1 (1.9)
POC5 (2.0)	MCM6 (1.9)	SUGP1 (1.8)	KRTCAP3 (1.8)	TRAM2 (1.8)
IST1 (2.9)	NUP93 (2.8)	BUD13 (2.8)	SMARCA4 (2.7)	NOP58 (2.7)
SUGP1 (3.0)	DHX38 (2.9)	NOP58 (2.7)	USP1 (2.7)	SMARCA4 (2.7)
R3HDM1 (2.5)	PARP10 (2.4)	RELB (2.4)	OASL (2.3)	CARM1 (2.2)
NUP93 (3.0)	SNX17 (2.2)	TOMM40 (1.9)	SUGP1 (1.9)	DHX38 (1.6)
ST3GAL4 (2.4)	GMIP (2.4)	ZNF513 (2.2)	PARP10 (2.1)	ENSG00000256731 (2
PVR (2.5)	MCM6 (2.4)	SMARCA4 (2.2)	KPNB1 (2.2)	ATP13A1 (2.1)
TM6SF2 (2.3)	ABCA5 (2.0)	PSRC1 (1.9)	GCKR (1.7)	C11orf9 (1.6)
OBP2B (1.6)	YIPF2 (1.5)	ENSG00000236267 (1	ENSG00000236436 (1	COL4A3BP (1.5)
MYLIP (2.7)	DHX38 (2.5)	DOCK7 (2.4)	ATXN1L (2.3)	USP24 (2.2)
FNDC4 (2.1)	PLCG1 (1.9)	RASIP1 (1.8)	DOCK6 (1.8)	NCAN (1.7)
PMFBP1 (1.8)	ABO (1.5)	MYLIP (1.5)	ATXN7L2 (1.5)	GSTM5 (1.2)
KANK2 (2.2)	RASIP1 (2.2)	PLEC (2.1)	DOCK7 (2.0)	PVRL2 (1.9)
CLPTM1 (2.4)	HMGCR (2.3)	SNX17 (2.3)	GNAI3 (2.2)	KPNB1 (2.1)
KPNB1 (2.5)	SUGP1 (2.3)	SLC44A2 (2.1)	PPM1G (2.1)	IST1 (2.1)
LCT (2.6)	LDLR (2.4)	ENSG00000244861 (2	YIPF2 (2.1)	ABCG8 (2.1)
BCAM (2.4)	LIPG (2.4)	DOCK6 (2.1)	FADS2 (2.0)	KRTCAP3 (1.9)
FUT2 (2.1)	PSRC1 (2.1)	APOA4 (1.8)	C11orf9 (1.8)	GNAI3 (1.7)
ST3GAL4 (2.1)	GSTM5 (2.1)	EHBP1 (2.0)	TSSK6 (1.9)	OBP2B (1.9)
NUP93 (3.2)	DHX38 (3.2)	USP1 (2.9)	PPM1G (2.8)	BUD13 (2.8)
IGF2R (1.9)	POLK (1.9)	PVR (1.8)	TRIB1 (1.8)	RELB (1.8)
NUP93 (3.5)	USP1 (2.9)	ZRANB3 (2.7)	NFE2L3 (2.3)	PSRC1 (2.2)
IST1 (3.1)	NUP93 (3.1)	TOP1 (2.9)	SMARCA4 (2.9)	NOP58 (2.8)
OASL (2.2)	ENSG00000254235 (1	PARP10 (1.8)	ABCG5 (1.8)	ABCG8 (1.7)

LPAL2 (2.5)	RP1 (2.2)	GOT2P1 (1.8)	OASL (1.8)	FGF21 (1.7)
LPL (2.5)	BMPR2 (2.4)	FADS1 (2.4)	FNDC4 (2.3)	OBP2B (2.2)
TIMD4 (1.9)	SLC22A1 (1.7)	ENSG00000235545 (1	NFE2L3 (1.4)	SLC44A2 (1.4)
APOE (2.2)	IGF2R (1.7)	ENSG00000256731 (1	ZHX3 (1.6)	SLC22A3 (1.5)
MYLIP (1.7)	PVR (1.7)	SYPL2 (1.6)	LPAL2 (1.5)	OBP2B (1.5)
TXNL4B (2.5)	NUP93 (2.2)	POC5 (2.1)	MAU2 (2.1)	ABCA6 (2.1)
USP1 (2.1)	NYNRIN (2.0)	MAU2 (2.0)	GATAD2A (1.9)	TOP1 (1.9)
LIPG (2.3)	SUMO1 (2.1)	IST1 (2.0)	AMPD2 (1.9)	FADS2 (1.7)
TRIB1 (2.0)	CYB561D1 (1.9)	ENSG00000254235 (1	LPL (1.7)	LCT (1.6)
GRINA (2.5)	SORT1 (2.4)	PVRL2 (2.4)	PBX4 (1.7)	ENSG00000226645 (1
ZRANB3 (3.7)	NUP93 (2.3)	KPNB1 (2.1)	CEP250 (2.1)	ENSG00000228044 (1
OASL (2.0)	PARP10 (2.0)	ENSG00000228044 (2	DHX38 (1.8)	SORT1 (1.8)
GPAM (2.2)	MAFB (2.0)	CETP (1.8)	C17orf57 (1.6)	SLC22A3 (1.6)
APOE (2.3)	ERGIC3 (2.1)	APOC1 (2.0)	APOC4 (1.9)	CEP250 (1.8)
TOP1 (2.6)	UBXN4 (2.6)	NPEPPS (2.3)	RAB3GAP1 (2.2)	PPM1G (2.0)
FUT1 (1.8)	FGF21 (1.8)	MCM6 (1.7)	PARP10 (1.4)	CETP (1.2)
KANK2 (2.2)	ATXN1L (2.2)	DOCK6 (2.0)	NPEPPS (2.0)	SORT1 (2.0)
NFE2L3 (1.9)	CYB561D1 (1.8)	DOCK7 (1.7)	ABCA1 (1.6)	MYLIP (1.5)
NFE2L3 (1.9)	CYB561D1 (1.8)	DOCK7 (1.7)	ABCA1 (1.6)	MYLIP (1.5)
SUMO1 (2.0)	TOP1 (2.0)	KPNB1 (1.7)	ERGIC3 (1.7)	PPM1G (1.7)
POLK (1.9)	TRIM54 (1.7)	DARS (1.7)	SORT1 (1.7)	LDLR (1.6)
APOE (2.3)	HP (2.2)	DOCK7 (2.0)	IGF2R (1.8)	APOB (1.7)
HAVCR1 (2.7)	LIPG (2.5)	PMFBP1 (1.9)	FUT1 (1.9)	SORT1 (1.8)
TOMM40 (2.9)	NUP93 (2.6)	PPM1G (2.2)	DARS (2.1)	KPNB1 (2.1)
YIPF2 (2.2)	LPA (2.2)	LDLR (2.0)	PVR (2.0)	LCT (1.9)
UBXN4 (2.2)	ZNF259 (2.1)	RELB (2.0)	IFT172 (2.0)	TOP1 (2.0)
UBXN4 (2.3)	SARS (2.2)	DARS (1.9)	NUP93 (1.8)	DHODH (1.7)
AMIGO1 (1.6)	RASIP1 (1.6)	GPR61 (1.4)	OBP2B (1.4)	DOCK6 (1.4)
ZNF513 (3.1)	KPNB1 (3.0)	EHBP1 (2.8)	NOP58 (2.3)	TOP1 (2.2)
SORT1 (1.5)	TIMD4 (1.4)	ATP13A1 (1.4)	PLCG1 (1.3)	UBXN4 (1.3)
MYLIP (2.0)	ENSG00000226622 (1	TRAM2 (1.6)	FGF21 (1.6)	ABCA6 (1.5)
AMPD2 (2.5)	DARS (2.5)	TOMM40 (2.2)	DHX38 (1.7)	GATAD2A (1.6)
AMPD2 (2.5)	DARS (2.5)	TOMM40 (2.2)	DHX38 (1.7)	GATAD2A (1.6)
YIPF2 (1.7)	HNF4A (1.6)	NFE2L3 (1.6)	OBP2B (1.6)	LPL (1.5)
PCSK9 (1.9)	DOCK7 (1.9)	PVRL2 (1.8)	LIPG (1.8)	SLC44A2 (1.8)
NFE2L3 (2.1)	GDF5 (2.1)	RELB (1.9)	IZUMO1 (1.9)	CLPTM1 (1.9)
ENSG00000226806 (2	GPAM (2.2)	AMIGO1 (1.8)	HP (1.8)	SLC22A3 (1.7)
LIPC (1.9)	C11orf9 (1.8)	LPAR2 (1.7)	GDF5 (1.7)	MAFB (1.6)
USP24 (2.7)	KPNB1 (2.7)	TOMM40 (2.6)	NOP58 (2.6)	DHX38 (2.5)
TOP1 (2.1)	SUMO1 (2.1)	ENSG00000226645 (1	DHX38 (1.9)	ZNF513 (1.8)
ABCG5 (2.1)	PMFBP1 (2.1)	LPL (1.6)	ABCA1 (1.6)	HAPLN4 (1.6)
DHODH (2.6)	AMPD2 (2.4)	YIPF2 (2.3)	DARS (2.1)	ZNF259 (2.1)
POC5 (2.5)	ZRANB3 (2.3)	MCM6 (1.9)	ATXN7L2 (1.9)	CEP250 (1.7)
PVRL2 (2.3)	CLPTM1 (2.3)	MAFB (2.2)	IGF2R (2.2)	FUT2 (1.9)
ST3GAL4 (2.5)	LIPG (2.4)	MAP3K4 (2.0)	CELSR2 (1.9)	LPAR2 (1.9)
DHODH (2.7)	NUP93 (2.4)	TOP1 (2.3)	DARS (2.3)	SUGP1 (2.3)
GATAD2A (2.5)	ATXN1L (2.4)	ENSG00000226645 (2	DOCK7 (2.1)	ZNF513 (2.0)
NUP93 (3.1)	KPNB1 (2.9)	PPM1G (2.7)	TOMM40 (2.5)	NRBP1 (2.4)
GPR61 (2.1)	ENSG00000231204 (2	SLC22A1 (1.9)	YIPF2 (1.8)	GCKR (1.8)
ZNF259 (1.6)	HAVCR1 (1.5)	MAMSTR (1.4)	ENSG00000226645 (1	KPNB1 (1.4)

LCT (2.4)	APOC1 (2.3)	MYLIP (2.1)	APOE (2.0)	LPIN3 (1.9)
KRTCAP3 (2.8)	HAPLN4 (2.6)	LPIN3 (2.5)	ABCG8 (2.4)	TM6SF2 (2.4)
PARP10 (2.6)	ENSG00000244861 (2	ENSG00000235545 (2	ATP13A1 (2.1)	MAU2 (1.9)
PVRL2 (2.2)	BCAM (2.1)	CYP26A1 (2.0)	MYLIP (1.9)	HNF1A (1.8)
ABCA1 (1.9)	GDF5 (1.8)	HP (1.6)	NFE2L3 (1.4)	MAFB (1.4)
DOCK7 (1.8)	NYNRIN (1.7)	IGF2R (1.6)	CYP26A1 (1.6)	CETP (1.5)
TSSK6 (2.5)	HNF1A (2.2)	FUT1 (2.1)	LIPG (2.0)	LPAR2 (2.0)
ENSG00000231204 (1	CILP2 (1.7)	BCAM (1.7)	ENSG00000182329 (1	TRAM2 (1.6)
YSK4 (2.0)	ERGIC3 (1.9)	ZHX3 (1.8)	NCAN (1.5)	ENSG00000254235 (1
PSMA5 (2.1)	IST1 (2.0)	POLK (1.9)	LPA (1.9)	MAFB (1.7)
ERGIC3 (2.5)	IFT172 (2.2)	GSTM4 (2.1)	ENSG00000182329 (2	ENSG00000236267 (1
CBLC (1.7)	SYPL2 (1.6)	MAMSTR (1.6)	GRINA (1.6)	RELB (1.5)
ANGPTL3 (2.9)	CLPTM1 (2.7)	RP1 (2.2)	ABCA5 (2.1)	FUT2 (2.1)
ENSG00000235545 (2	FNDC4 (2.3)	CYP26A1 (2.2)	GSTM5 (1.9)	GSTM4 (1.4)
NYNRIN (2.3)	SMARCA4 (2.0)	ERGIC3 (1.6)	ABCA1 (1.6)	HAPLN4 (1.6)
ENSG00000236267 (2	YSK4 (1.8)	MAFB (1.6)	YIPF2 (1.6)	TIMD4 (1.6)
LDLR (2.3)	YIPF2 (2.2)	FADS1 (2.2)	PLG (2.2)	APOC3 (2.1)
LPAR2 (2.5)	NUP93 (2.4)	GATAD2A (2.0)	LDLR (2.0)	ATXN7L2 (2.0)
HNF4A (2.6)	LPAR2 (2.4)	FUT2 (2.4)	ENSG00000236436 (2	ENSG00000235545 (2
CETP (1.8)	ENSG00000228044 (1	ABCA6 (1.8)	SPATC1 (1.7)	ENSG00000254235 (1
MCM6 (3.9)	PSRC1 (3.6)	CEP250 (2.5)	PLCG1 (2.3)	POC5 (1.9)
NUP93 (2.9)	AMPD2 (2.7)	DHODH (2.7)	IFT172 (2.6)	ATP13A1 (2.6)
NUP93 (2.9)	AMPD2 (2.7)	DHODH (2.7)	IFT172 (2.6)	ATP13A1 (2.6)
ZNF821 (1.9)	SPATC1 (1.9)	ENSG00000254235 (1	FNDC4 (1.8)	GDF5 (1.7)
OTX1 (1.5)	SORT1 (1.5)	ATP13A1 (1.4)	TIMD4 (1.4)	UBXN4 (1.3)
GDF5 (3.1)	FNDC4 (2.8)	MAFB (2.7)	NCAN (2.6)	PSRC1 (2.1)
C19orf52 (2.6)	SNX17 (2.6)	CLPTM1 (2.4)	GRINA (2.3)	YIPF2 (2.3)
OASL (2.0)	SUGP1 (2.0)	PARP10 (2.0)	SORT1 (1.6)	ZNF821 (1.5)
SNX17 (1.7)	POC5 (1.7)	PSMA5 (1.6)	UBXN4 (1.5)	ENSG00000228044 (1
ZNF821 (2.4)	DHX38 (2.3)	KANK2 (2.2)	ATXN1L (2.2)	MAP3K4 (1.9)
CARM1 (2.6)	NYNRIN (2.6)	IFT172 (2.2)	DHX38 (2.1)	MAU2 (2.0)
LIPG (1.9)	ENSG00000228044 (1	ENSG00000236436 (1	MYLIP (1.5)	ATXN7L2 (1.4)
LPL (2.5)	PVRL2 (2.0)	SLC22A3 (1.9)	POLK (1.9)	FNDC4 (1.7)
HNF4A (2.8)	ANGPTL3 (2.8)	LPAL2 (2.7)	APOA5 (2.7)	ABCA5 (2.6)
CARM1 (2.9)	MAP3K4 (2.9)	USP24 (2.6)	LPAR2 (2.5)	RAB3GAP1 (2.4)
HNF1A (1.9)	C17orf57 (1.8)	C12orf43 (1.8)	ENSG00000254235 (1	OASL (1.7)
TXNL4B (2.6)	DARS (2.3)	POC5 (2.0)	RAB3GAP1 (2.0)	GRINA (1.9)
C11orf9 (2.3)	HNF1A (2.2)	KANK2 (2.0)	DOCK6 (1.9)	GRINA (1.9)
USP1 (2.9)	SMARCA4 (2.9)	NOP58 (2.8)	SUGP1 (2.6)	BUD13 (2.6)
POLK (1.6)	NFE2L3 (1.4)	OBP2B (1.3)	RAB3GAP1 (1.3)	PGS1 (1.3)
TIMD4 (1.5)	UBXN4 (1.4)	SORT1 (1.4)	PLCG1 (1.3)	ATP13A1 (1.3)
SMARCA4 (2.2)	ZNF259 (2.0)	ATP13A1 (1.9)	C12orf43 (1.9)	TOP1 (1.8)
OTX1 (2.6)	ZNF513 (2.4)	NYNRIN (2.1)	CELSR2 (2.0)	RASIP1 (1.8)
ABCG8 (3.9)	ABCG5 (3.5)	SPATC1 (2.7)	FUT2 (2.4)	OBP2B (2.3)
ABO (1.8)	ATXN1L (1.8)	TOMM40 (1.7)	ENSG00000254235 (1	GDF5 (1.5)
NUP93 (2.9)	USP1 (2.6)	DHX38 (2.5)	PPM1G (2.4)	SMARCA4 (2.3)
FUT2 (1.6)	SUMO1 (1.5)	HAPLN4 (1.5)	CILP2 (1.4)	LDLR (1.4)
MAMSTR (1.8)	CEP250 (1.8)	FUT1 (1.8)	POC5 (1.5)	TRAM2 (1.5)
ATXN7L2 (1.7)	ENSG00000254235 (1	GNAT2 (1.6)	BUD13 (1.6)	KRTCAP3 (1.6)
PSRC1 (2.9)	NFE2L3 (2.8)	MCM6 (2.3)	FEN1 (2.3)	SNX17 (2.3)

PSRC1 (2.9)	NFE2L3 (2.8)	MCM6 (2.3)	FEN1 (2.3)	SNX17 (2.3)
TOP1 (2.9)	NUP93 (2.7)	SMARCA4 (2.6)	SUGP1 (2.5)	FEN1 (2.3)
RASIP1 (2.0)	AMPD2 (1.9)	USP24 (1.7)	TRIB1 (1.6)	KANK2 (1.5)
PARP10 (2.5)	NFE2L3 (2.5)	UBXN4 (2.4)	TIMD4 (2.1)	SUMO1 (1.9)
SUGP1 (2.7)	OASL (2.4)	GATAD2A (2.3)	DHODH (2.3)	CARM1 (2.2)
USP24 (1.6)	ST3GAL4 (1.4)	PSMA5 (1.3)	SPATC1 (1.2)	MYLIP (1.1)
KANK2 (2.4)	ZHX3 (2.3)	PLCG1 (2.3)	MCM6 (2.2)	GPAM (1.9)
AMIGO1 (2.2)	FGF21 (2.2)	SLC22A3 (2.1)	ERGIC3 (2.0)	GPAM (1.8)
PSRC1 (2.1)	PLCG1 (2.1)	SPATC1 (2.0)	PCSK9 (2.0)	IFT172 (1.8)
TIMD4 (2.9)	PARP10 (1.8)	OASL (1.6)	ZNF513 (1.6)	MAFB (1.5)
NUP93 (2.9)	NOP58 (2.7)	PPM1G (2.7)	DHX38 (2.5)	KPNB1 (2.5)
LPAL2 (2.6)	APOA5 (2.6)	PLG (2.1)	ANGPTL3 (2.0)	GCKR (2.0)
PPM1G (2.9)	TOMM40 (2.9)	NUP93 (2.9)	GATAD2A (2.9)	DHX38 (2.8)
OASL (2.1)	KANK2 (2.1)	ABCA1 (1.9)	APOE (1.8)	IST1 (1.8)
ENSG00000254235 (2	YIPF2 (2.1)	LPAR2 (2.0)	AMIGO1 (1.9)	CBLC (1.8)
SUMO1 (2.0)	C19orf52 (1.9)	SLC22A3 (1.8)	GATAD2A (1.8)	ZNF259 (1.7)
OTX1 (2.2)	FUT1 (2.0)	PVRL2 (2.0)	DOCK7 (2.0)	NOP58 (1.9)
GDF5 (2.3)	LPAR2 (2.3)	DOCK7 (2.2)	TBKBP1 (2.2)	NYNRIN (2.2)
GRINA (2.9)	CBLC (2.7)	SARS (2.7)	IFT172 (2.2)	GSTM4 (2.2)
ST3GAL4 (1.9)	USP24 (1.7)	DOCK6 (1.7)	TBKBP1 (1.6)	IGF2R (1.4)
CEP250 (2.2)	LPA (2.2)	KRTCAP3 (2.1)	CETP (1.8)	BUD13 (1.7)
NFE2L3 (2.5)	SNX17 (2.3)	ERGIC3 (1.9)	C12orf43 (1.7)	DNAH11 (1.5)
ZNF513 (2.1)	GMIP (2.1)	GSTM4 (2.1)	MAFB (2.0)	CARM1 (2.0)
ZNF513 (2.1)	GMIP (2.1)	GSTM4 (2.1)	MAFB (2.0)	CARM1 (2.0)
ZNF513 (2.1)	GMIP (2.1)	GSTM4 (2.1)	MAFB (2.0)	CARM1 (2.0)
ZNF513 (2.1)	GMIP (2.1)	GSTM4 (2.1)	MAFB (2.0)	CARM1 (2.0)
SPATC1 (2.7)	OBP2B (2.0)	ENSG00000226648 (2	ENSG00000182329 (1	POC5 (1.5)
IST1 (2.9)	USP1 (2.6)	PPM1G (2.6)	DHX38 (2.5)	SMARCA4 (2.4)
ENSG00000182329 (2	DHODH (2.2)	PPM1G (2.1)	CBLC (1.9)	ENSG00000236267 (1
DOCK6 (2.5)	PVR (2.3)	GSTM4 (2.2)	RASIP1 (2.2)	DOCK7 (2.1)
GMIP (2.3)	TRIB1 (2.1)	MYLIP (2.1)	CETP (1.8)	HAVCR1 (1.7)
DARS (2.7)	PPM1G (2.6)	ZNF259 (2.4)	TOMM40 (2.3)	SUMO1 (2.1)
IST1 (2.0)	ATP13A1 (1.8)	PPM1G (1.8)	GNAI3 (1.7)	PSRC1 (1.7)
ENSG00000228044 (2	C11orf9 (1.9)	ST3GAL4 (1.8)	IZUMO1 (1.5)	ENSG00000226622 (1
GPAM (2.3)	USP24 (2.1)	DHODH (2.0)	TOMM40 (2.0)	LPL (1.9)
CEP250 (2.4)	NRBP1 (2.3)	SARS (2.0)	ENSG00000235545 (2	CARM1 (2.0)
IGF2R (2.7)	NYNRIN (2.3)	PLEC (2.2)	TBKBP1 (2.1)	BMPR2 (2.1)
MAP3K4 (1.7)	C17orf57 (1.7)	LPAL2 (1.7)	IZUMO1 (1.7)	NFE2L3 (1.5)
MAFB (2.2)	APOB (2.0)	GCKR (1.9)	APOC3 (1.8)	TIMD4 (1.7)
ATXN7L2 (2.3)	ABCA5 (2.2)	ENSG00000228044 (2	PMFBP1 (2.0)	KANK2 (1.9)
LCT (3.3)	ABCG5 (3.1)	ABCG8 (2.5)	HAPLN4 (2.5)	HNF4A (2.3)
FUT1 (2.2)	BCAM (2.2)	APOC1 (2.1)	GMIP (2.0)	DOCK6 (1.8)
GSTM4 (2.4)	SLC22A3 (2.0)	ZNF513 (1.9)	ENSG00000236267 (1	FGF21 (1.8)
GSTM4 (2.4)	SLC22A3 (2.0)	ZNF513 (1.9)	ENSG00000236267 (1	FGF21 (1.8)
GSTM4 (2.4)	SLC22A3 (2.0)	ZNF513 (1.9)	ENSG00000236267 (1	FGF21 (1.8)
NUP93 (2.5)	SMARCA4 (2.5)	BUD13 (2.4)	USP1 (2.3)	IST1 (2.2)
ENSG00000182329 (2	ENSG00000236267 (2	ABCA6 (2.2)	C17orf57 (2.0)	SPATC1 (1.6)
SUGP1 (2.2)	DHX38 (2.2)	OASL (2.0)	GRINA (1.9)	YIPF2 (1.8)
FNDC4 (2.0)	ENSG00000254235 (1	GDF5 (1.9)	OBP2B (1.6)	CELSR2 (1.6)
BUD13 (2.2)	ZNF259 (2.0)	PPM1G (1.9)	GATAD2A (1.7)	NRBP1 (1.6)

BUD13 (2.2)	ZNF259 (2.0)	PPM1G (1.9)	GATAD2A (1.7)	NRBP1 (1.6)
ZNF513 (2.1)	GATAD2A (2.1)	NRBP1 (2.1)	LPAR2 (2.0)	GRINA (1.8)
TRAM2 (2.6)	OTX1 (2.6)	C11orf9 (2.5)	NFE2L3 (2.4)	CYP26A1 (2.4)
TRAM2 (2.6)	OTX1 (2.6)	C11orf9 (2.5)	NFE2L3 (2.4)	CYP26A1 (2.4)
C11orf9 (2.0)	ENSG00000226645 (1	SLC22A3 (1.7)	CETP (1.6)	BMPR2 (1.4)
DARS (3.1)	BUD13 (2.6)	PSMA5 (2.2)	TOMM40 (2.2)	SUGP1 (2.2)
GMIP (2.6)	IST1 (2.5)	TXNL4B (2.5)	CARM1 (2.4)	MAU2 (2.3)
ABCA5 (3.0)	HAPLN4 (2.9)	CLPTM1 (2.8)	IGF2R (2.6)	HNF4A (2.4)
GDF5 (1.9)	LPAL2 (1.8)	KANK2 (1.7)	ST3GAL4 (1.6)	TBKBP1 (1.6)
CARM1 (2.4)	MAFB (2.3)	CYP26A1 (2.3)	ENSG00000236436 (1	FUT2 (1.9)
CLPTM1 (2.1)	BCAM (2.1)	TOMM40 (1.9)	SNX17 (1.7)	PMFBP1 (1.6)
MCM6 (2.1)	MAP3K4 (2.1)	OBP2B (2.0)	FEN1 (2.0)	TSSK6 (2.0)
ENSG00000244861 (1	IZUMO1 (1.7)	TIMD4 (1.6)	GMIP (1.6)	ABCA1 (1.4)
MCM6 (4.0)	ZRANB3 (4.0)	POC5 (3.6)	NUP93 (2.3)	KPNB1 (2.3)
RASIP1 (2.7)	IGF2R (2.6)	KANK2 (2.6)	PLEC (2.3)	ATXN1L (2.1)
CARM1 (2.1)	ZNF513 (2.1)	GMIP (1.9)	GSTM4 (1.8)	MAFB (1.8)
CARM1 (2.1)	ZNF513 (2.1)	GMIP (1.9)	GSTM4 (1.8)	MAFB (1.8)
CARM1 (2.1)	ZNF513 (2.1)	GMIP (1.9)	GSTM4 (1.8)	MAFB (1.8)
CEP250 (2.1)	SUGP1 (1.9)	OASL (1.9)	GRINA (1.8)	YIPF2 (1.8)
C12orf43 (2.5)	MAP3K4 (2.3)	ATXN7L2 (2.1)	NRBP1 (1.9)	SNX17 (1.9)
C12orf43 (2.5)	MAP3K4 (2.3)	ATXN7L2 (2.1)	NRBP1 (1.9)	SNX17 (1.9)
PVR (2.6)	RASIP1 (2.3)	GATAD2A (2.1)	TRIM54 (1.9)	SLC44A2 (1.8)
ZNF259 (2.3)	POC5 (2.3)	C19orf52 (2.3)	DHX38 (2.3)	USP1 (2.2)
AMIGO1 (2.1)	KRTCAP3 (2.0)	YSK4 (1.9)	OTX1 (1.8)	CARM1 (1.7)
GPAM (1.8)	FUT2 (1.8)	APOE (1.7)	OBP2B (1.6)	PARP10 (1.5)
GNAI3 (2.5)	TOMM40 (2.4)	PSMA5 (2.3)	ENSG00000236436 (2	SNX17 (1.9)
ENSG00000236436 (2	GNAT2 (2.4)	FUT2 (1.9)	CILP2 (1.8)	OBP2B (1.7)
ABCA1 (2.3)	SYPL2 (2.2)	MAFB (2.1)	PVR (1.9)	PVRL2 (1.9)
ATXN1L (1.7)	PBX4 (1.7)	NYNRIN (1.6)	LPIN3 (1.6)	KANK2 (1.4)
MAMSTR (2.1)	ENSG00000244861 (2	NPEPPS (2.0)	GSTM4 (2.0)	HAPLN4 (2.0)
MAU2 (2.8)	SMARCA4 (2.7)	PPM1G (2.5)	GATAD2A (2.2)	OASL (2.1)
OASL (2.0)	TRAM2 (1.8)	DOCK7 (1.6)	GRINA (1.5)	ATXN1L (1.4)
IST1 (2.9)	SNX17 (2.9)	YIPF2 (2.6)	IFT172 (2.3)	CYB561D1 (2.1)
ENSG00000236436 (1	ST3GAL4 (1.8)	HNF4A (1.8)	TRAM2 (1.8)	FUT1 (1.7)
LPAL2 (1.7)	ENSG00000235545 (1	ENSG00000228044 (1	NCAN (1.5)	DNAH11 (1.4)
NYNRIN (2.1)	GDF5 (1.9)	IFT172 (1.7)	UBXN4 (1.7)	TRAM2 (1.6)
POLK (3.0)	PVR (2.7)	GDF5 (2.7)	LPAL2 (2.1)	TRIB1 (2.0)
KRTCAP3 (2.4)	FADS2 (2.3)	FEN1 (2.0)	ZRANB3 (1.9)	MCM6 (1.8)
GMIP (2.6)	CELSR2 (1.7)	ABCA6 (1.7)	MAU2 (1.7)	SORT1 (1.7)
ENSG00000256731 (2	TOP1 (2.2)	SMARCA4 (2.2)	CARM1 (2.2)	USP1 (2.2)
SMARCA4 (1.8)	DOCK6 (1.8)	NCAN (1.8)	TOP1 (1.8)	CLPTM1 (1.7)
SARS (2.0)	PSMA5 (1.9)	ABCG8 (1.8)	APOC3 (1.8)	C19orf52 (1.8)
PPM1G (2.8)	CARM1 (2.7)	MAU2 (2.6)	CELSR2 (2.2)	AMPD2 (2.1)
SLC22A3 (2.0)	PLCG1 (2.0)	OTX1 (1.9)	IGF2R (1.9)	CILP2 (1.7)
MAP3K4 (2.3)	SLC22A3 (2.2)	BUD13 (1.7)	ATXN7L2 (1.7)	USP24 (1.6)
ENSG00000244861 (1	ATXN1L (1.8)	SNX17 (1.7)	NRBP1 (1.6)	MAP3K4 (1.5)
PLCG1 (2.5)	SMARCA4 (2.3)	ENSG00000244861 (2	GNAI3 (1.9)	KPNB1 (1.8)
ENSG00000256731 (2	FUT2 (2.0)	CBLC (1.6)	MAMSTR (1.5)	GOT2P1 (1.5)
ENSG00000244861 (1	FNDC4 (1.7)	CARM1 (1.7)	ENSG00000182329 (1	NPEPPS (1.5)
APOE (2.5)	ABCA1 (2.1)	APOC1 (2.1)	GMIP (2.0)	KRTCAP3 (1.6)

DOCK6 (2.4)	SPATC1 (2.3)	ENSG00000226645 (2	ZNF513 (2.1)	CBLC (1.9)
FER1L4 (2.1)	SLC22A3 (2.1)	FADS1 (2.0)	PCSK9 (2.0)	FADS2 (1.8)
ABCA5 (2.4)	ABO (2.1)	KANK2 (2.0)	ENSG00000226645 (1	NYNRIN (1.8)
IFT172 (1.8)	PBX4 (1.7)	ERGIC3 (1.7)	LCT (1.2)	ST3GAL4 (1.2)
SUGP1 (2.0)	OASL (2.0)	C19orf52 (1.9)	GRINA (1.9)	SORT1 (1.7)
NYNRIN (2.3)	ATXN7L2 (2.0)	ENSG00000236436 (1	TBKBP1 (1.9)	ZNF513 (1.9)
GPAM (1.7)	PMFBP1 (1.7)	CYP26A1 (1.7)	HNF4A (1.5)	FNDC4 (1.5)
C12orf43 (2.5)	ABCG8 (2.2)	OBP2B (2.0)	HNF1A (2.0)	LPAL2 (2.0)
NFE2L3 (2.5)	IST1 (2.3)	C11orf9 (2.2)	PVRL2 (2.2)	ENSG00000256731 (1
MAU2 (3.1)	CARM1 (3.1)	TOP1 (2.8)	BUD13 (2.6)	SUGP1 (2.4)
LPAR2 (3.0)	R3HDM1 (2.9)	USP1 (2.7)	ENSG00000226645 (2	DARS (2.0)
LPL (2.1)	ENSG00000231204 (1	SLC44A2 (1.6)	ZHX3 (1.6)	KANK2 (1.5)
FEN1 (2.5)	USP1 (2.4)	MCM6 (2.1)	MAU2 (1.6)	ZHX3 (1.4)
IST1 (2.4)	TXNL4B (2.2)	ATP13A1 (2.0)	DHODH (2.0)	PPM1G (1.8)
OASL (2.1)	USP24 (1.9)	CARM1 (1.7)	PSMA5 (1.6)	SMARCA4 (1.6)
BCAM (2.1)	TSSK6 (2.1)	NFE2L3 (2.0)	C11orf9 (1.9)	FNDC4 (1.8)
NFE2L3 (2.0)	SMARCA4 (1.9)	FUT1 (1.7)	CELSR2 (1.7)	NPEPPS (1.6)
CILP2 (2.2)	YSK4 (2.2)	NRBP1 (1.9)	MAP3K4 (1.9)	IFT172 (1.8)
ABO (2.6)	DHX38 (2.6)	ATXN1L (2.5)	DARS (2.5)	ATP13A1 (2.2)
ENSG00000228044 (1	PGS1 (1.9)	OTX1 (1.9)	TBKBP1 (1.9)	FUT2 (1.7)
DOCK7 (2.1)	PSMA5 (2.0)	PLCG1 (2.0)	MAP3K4 (1.8)	ENSG00000256731 (1
MAFB (2.2)	TRAM2 (2.2)	LPL (2.1)	CYP26A1 (1.9)	APOE (1.9)
PARP10 (3.0)	PVR (2.9)	ZNF513 (2.2)	GDF5 (2.2)	POLK (2.1)
NFE2L3 (2.9)	TIMD4 (2.6)	PVRL2 (2.6)	OASL (2.5)	PVR (2.0)
SYPL2 (2.0)	ABO (1.5)	AMIGO1 (1.5)	GSTM5 (1.5)	GPR61 (1.4)
RASIP1 (2.6)	TRAM2 (2.5)	PVR (2.3)	GSTM4 (2.2)	PLCG1 (2.1)
CBLC (2.5)	GSTM4 (2.3)	HNF1A (2.1)	RP1 (2.0)	YIPF2 (1.8)
ENSG00000226806 (2	EHBP1 (2.0)	NCAN (1.7)	PLCG1 (1.7)	C11orf9 (1.7)
CLPTM1 (2.0)	APOC1 (1.8)	GPR61 (1.8)	KRTCAP3 (1.7)	GRINA (1.7)
CYP26A1 (1.9)	FUT2 (1.9)	TSSK6 (1.8)	ATXN7L2 (1.8)	CELSR2 (1.7)
NRBP1 (2.3)	GMIP (2.0)	ABCA6 (2.0)	C12orf43 (1.9)	LPIN3 (1.9)
TM6SF2 (1.9)	PVRL2 (1.9)	ENSG00000254235 (1	GNAI3 (1.6)	GMIP (1.6)
CETP (1.8)	TIMD4 (1.7)	TRIB1 (1.5)	ABCA1 (1.5)	NFE2L3 (1.5)
GDF5 (1.8)	SMARCA4 (1.8)	LPA (1.8)	EHBP1 (1.6)	SYPL2 (1.6)
TBKBP1 (2.0)	ENSG00000231204 (2	RELB (2.0)	FGF21 (1.6)	CELSR2 (1.5)
ENSG00000182329 (2	ABCA6 (2.3)	TIMD4 (2.1)	ENSG00000226622 (2	YSK4 (1.9)
ABO (2.4)	ATXN7L2 (2.3)	ENSG00000254235 (2	C19orf52 (2.1)	OTX1 (1.9)
SNX17 (2.0)	MYLIP (2.0)	AMIGO1 (2.0)	LPA (1.9)	GRINA (1.9)
ENSG00000244861 (2	ENSG00000236436 (2	TSSK6 (1.9)	ZNF821 (1.8)	BCAM (1.6)
ENSG00000226648 (2	GMIP (2.0)	PLEC (1.9)	GATAD2A (1.9)	NFE2L3 (1.8)
AMIGO1 (1.6)	ABO (1.6)	ENSG00000231204 (1	RAB3GAP1 (1.5)	GPR61 (1.5)
BMPR2 (2.4)	FUT1 (2.2)	NCAN (2.1)	ENSG00000231204 (2	HAVCR1 (2.0)
ANGPTL3 (3.1)	HP (2.9)	APOC4 (2.7)	BCAM (2.5)	C19orf80 (2.4)
ZNF513 (2.7)	RAB3GAP1 (1.9)	GMIP (1.9)	IST1 (1.8)	GSTM4 (1.6)
C11orf9 (2.0)	ATXN1L (1.9)	FADS1 (1.9)	BCAM (1.9)	FADS2 (1.7)
BMPR2 (2.8)	GPR61 (2.0)	POLK (2.0)	PLCG1 (2.0)	IGF2R (1.9)
BMPR2 (2.8)	GPR61 (2.0)	POLK (2.0)	PLCG1 (2.0)	IGF2R (1.9)
BMPR2 (2.8)	GPR61 (2.0)	POLK (2.0)	PLCG1 (2.0)	IGF2R (1.9)
ENSG00000226648 (2	ENSG00000254235 (2	C19orf52 (2.0)	FUT2 (1.6)	MAMSTR (1.5)
GSTM5 (2.3)	ENSG00000226806 (1	OBP2B (1.9)	YIPF2 (1.8)	HNF1A (1.8)

CARM1 (2.3)	KANK2 (2.1)	ATXN7L2 (1.8)	ATXN1L (1.6)	ABCG8 (1.3)
TIMD4 (1.9)	DNAH11 (1.8)	KRTCAP3 (1.8)	NFE2L3 (1.7)	YSK4 (1.6)
ABCA5 (2.0)	COL4A3BP (1.7)	SORT1 (1.7)	ZHX3 (1.6)	ENSG00000226645 (1
MAP3K4 (2.3)	ENSG00000235545 (2	OASL (2.1)	MYLIP (2.1)	ABCA6 (2.0)
PARP10 (2.8)	TRAM2 (2.6)	ATP13A1 (2.3)	IST1 (1.9)	PLCG1 (1.8)
DARS (2.0)	IFT172 (1.8)	ENSG00000244861 (1	LDLR (1.6)	GSTM4 (1.5)
BUD13 (2.2)	ZNF259 (1.9)	PPM1G (1.8)	C19orf52 (1.6)	TOMM40 (1.6)
BUD13 (2.2)	ZNF259 (1.9)	PPM1G (1.8)	C19orf52 (1.6)	TOMM40 (1.6)
BUD13 (2.2)	ZNF259 (1.9)	PPM1G (1.8)	C19orf52 (1.6)	TOMM40 (1.6)
BUD13 (2.2)	ZNF259 (1.9)	PPM1G (1.8)	C19orf52 (1.6)	TOMM40 (1.6)
FGF21 (2.5)	KPNB1 (2.2)	PVR (2.1)	SARS (2.0)	GSTM5 (2.0)
CETP (2.2)	ENSG00000226806 (2	AMIGO1 (1.7)	HAVCR1 (1.6)	GOT2P1 (1.6)
MAU2 (2.3)	HAPLN4 (2.3)	SMARCA4 (2.2)	GMIP (2.1)	GPR61 (2.1)
ENSG00000182329 (2	SYPL2 (2.5)	HAVCR1 (2.1)	HP (2.0)	SLC22A3 (1.6)
CILP2 (2.6)	ENSG00000226645 (2	CETP (2.0)	TBKBP1 (2.0)	BCAM (2.0)
GATAD2A (1.8)	PLCG1 (1.8)	TOP1 (1.7)	ENSG00000226806 (1	SNX17 (1.6)
OBP2B (2.1)	C19orf52 (1.8)	ABO (1.8)	FUT2 (1.6)	ZNF821 (1.6)
TOMM40 (3.0)	TOP1 (2.2)	AMPD2 (2.2)	GATAD2A (2.1)	UBXN4 (2.1)
OTX1 (1.7)	FUT2 (1.6)	LDLR (1.5)	CBLC (1.5)	POLK (1.4)
TSSK6 (2.3)	GRINA (2.3)	FADS1 (2.2)	ABCA6 (2.2)	SLC22A3 (2.0)
RASIP1 (2.1)	SORT1 (2.0)	HAPLN4 (1.8)	C11orf9 (1.8)	RAB3GAP1 (1.8)
ENSG00000244861 (2	ENSG00000182329 (2	KRTCAP3 (1.9)	HAPLN4 (1.9)	ABCA6 (1.9)
PGS1 (2.7)	PARP10 (2.3)	TRIB1 (2.0)	GMIP (2.0)	ENSG00000254235 (2
MAFB (2.0)	EHBP1 (2.0)	NFE2L3 (1.9)	IGF2R (1.8)	APOE (1.7)
HMGCR (2.5)	IGF2R (2.4)	BCAM (2.1)	ENSG00000236267 (2	GPAM (1.9)
SMARCA4 (1.9)	LPIN3 (1.7)	ATP13A1 (1.7)	FADS2 (1.5)	SUGP1 (1.5)
SORT1 (1.5)	TIMD4 (1.5)	CETP (1.4)	UBXN4 (1.4)	DHODH (1.3)
ATXN1L (2.6)	POLK (2.3)	ENSG00000226645 (2	MYLIP (2.1)	PLEC (1.9)
BUD13 (2.1)	PCSK9 (2.1)	USP24 (2.0)	NRBP1 (2.0)	PLCG1 (1.9)
IGF2R (2.0)	CLPTM1 (2.0)	SUGP1 (1.9)	MAP3K4 (1.8)	C19orf52 (1.8)
GNAT2 (2.4)	ENSG00000231204 (2	NCAN (2.0)	SORT1 (1.8)	ABCA1 (1.7)
SMARCA4 (3.3)	NUP93 (3.1)	NOP58 (3.0)	BUD13 (2.9)	FEN1 (2.7)
PSMA5 (2.5)	C11orf9 (2.5)	DARS (2.4)	NRBP1 (2.3)	CLPTM1 (2.3)
NCAN (3.1)	SLC22A2 (2.9)	TM6SF2 (2.9)	GPR61 (2.6)	APOA4 (2.6)
PVR (1.9)	C17orf57 (1.7)	MAP3K4 (1.6)	RELB (1.6)	LPAL2 (1.5)
GMIP (2.2)	RELB (2.0)	ABCA1 (2.0)	PVR (1.9)	APOE (1.4)
GPAM (2.4)	PMFBP1 (1.9)	CELSR2 (1.8)	ABO (1.8)	EHBP1 (1.7)
LIPG (2.4)	FUT2 (2.4)	SLC44A2 (2.1)	ST3GAL4 (1.9)	APOA4 (1.9)
ENSG00000226622 (2	PVRL2 (2.5)	TSSK6 (2.1)	CETP (2.1)	SLC44A2 (2.1)
SMARCA4 (3.0)	NUP93 (2.9)	MAU2 (2.8)	NOP58 (2.8)	TOP1 (2.7)
YSK4 (2.3)	FGF21 (2.3)	FER1L4 (2.0)	DHODH (1.8)	TSSK6 (1.5)
MYLIP (2.1)	PLEC (2.1)	GMIP (2.1)	SNX17 (2.1)	CARM1 (2.0)
C12orf43 (2.5)	TXNL4B (2.4)	NOP58 (2.3)	AMPD2 (1.6)	ENSG00000226645 (1
HMGCR (2.1)	GPAM (1.9)	GSTM4 (1.8)	FADS1 (1.8)	NUP93 (1.7)
KRTCAP3 (2.2)	GMIP (2.1)	FER1L4 (1.9)	TIMD4 (1.8)	LPAR2 (1.7)
FADS2 (2.3)	BMPR2 (2.2)	DNAH11 (2.1)	PARP10 (2.1)	DOCK7 (2.0)
R3HDM1 (2.6)	NPEPPS (2.3)	C17orf57 (2.2)	IST1 (2.1)	SMARCA4 (1.9)
ENSG00000235545 (2	GOT2P1 (1.9)	C17orf57 (1.9)	FNDC4 (1.8)	FER1L4 (1.8)
ABCA5 (2.1)	ST3GAL4 (2.0)	CETP (2.0)	APOB (1.8)	C11orf9 (1.8)
ENSG00000236267 (2	HP (2.2)	MAFB (2.1)	GRINA (1.8)	OBP2B (1.6)

NFE2L3 (2.6)	CETP (2.5)	OASL (2.3)	LIPG (2.2)	FUT2 (1.8)
HAPLN4 (2.5)	HAVCR1 (2.2)	LPAL2 (2.1)	CARM1 (1.9)	ENSG00000256731 (1
ENSG00000226622 (1	CYP26A1 (1.7)	ENSG00000235545 (1	NYNRIN (1.5)	GDF5 (1.5)
SPATC1 (2.0)	MAP3K4 (1.8)	ENSG00000254235 (1	OBP2B (1.6)	HNF1A (1.5)
BCAM (2.6)	BMPR2 (2.3)	CARM1 (1.9)	KANK2 (1.8)	PVRL2 (1.8)
ATXN7L2 (2.0)	BUD13 (1.9)	CBLC (1.7)	NYNRIN (1.6)	OTX1 (1.5)
USP1 (2.7)	DOCK7 (2.6)	MCM6 (2.4)	MAP3K4 (2.4)	USP24 (2.3)
SYPL2 (1.9)	SLC22A3 (1.5)	KPNB1 (1.5)	PVRL2 (1.5)	HNF4A (1.4)
RASIP1 (1.5)	MAFB (1.5)	AMIGO1 (1.5)	ZNF821 (1.5)	TXNL4B (1.5)
FEN1 (2.6)	TRIB1 (2.5)	FGF21 (2.3)	POC5 (2.1)	TXNL4B (1.9)
FUT2 (1.7)	OASL (1.7)	PMFBP1 (1.6)	APOE (1.5)	IFT172 (1.5)
GATAD2A (2.3)	MAFB (2.3)	LPAR2 (1.9)	CEP250 (1.7)	TBKBP1 (1.5)
LDLR (1.8)	PVR (1.7)	SLC44A2 (1.7)	BCAM (1.6)	SORT1 (1.6)
SMARCA4 (1.6)	NRBP1 (1.5)	KPNB1 (1.5)	GRINA (1.5)	NPEPPS (1.5)
FADS2 (3.2)	PCSK9 (2.2)	SUMO1 (2.1)	LIPG (2.1)	HNF1A (1.8)
TOP1 (3.4)	SUGP1 (3.2)	IST1 (3.0)	NOP58 (2.6)	NUP93 (2.5)
USP1 (3.6)	NUP93 (3.4)	ZRANB3 (2.6)	PPM1G (2.4)	KPNB1 (2.2)
DOCK7 (1.8)	TOMM40 (1.7)	TRAM2 (1.6)	SYPL2 (1.6)	C17orf57 (1.5)
CELSR2 (2.5)	OBP2B (1.9)	TXNL4B (1.9)	BCAM (1.8)	ATXN1L (1.8)
BUD13 (3.1)	DHX38 (2.8)	SUGP1 (2.7)	PPM1G (2.5)	TOMM40 (2.5)
FADS1 (2.5)	PCSK9 (2.4)	C19orf52 (2.4)	GOT2P1 (2.3)	FADS2 (2.2)
PLG (2.6)	TRAM2 (2.3)	PBX4 (2.3)	ANGPTL3 (2.1)	CLPTM1 (2.1)
RASIP1 (1.7)	IGF2R (1.6)	PVRL2 (1.4)	PLCG1 (1.4)	DOCK6 (1.3)
GPR61 (2.3)	SPATC1 (2.1)	GSTM5 (1.9)	ENSG00000236436 (1	ENSG00000182329 (1
LPAL2 (1.8)	ABCA6 (1.8)	SLC22A3 (1.8)	TSSK6 (1.8)	OBP2B (1.7)
SMARCA4 (2.7)	ATP13A1 (2.3)	MAP3K4 (2.1)	MAU2 (2.1)	ZRANB3 (1.9)
CARM1 (2.9)	MAP3K4 (2.8)	USP24 (2.4)	RAB3GAP1 (2.4)	LPAR2 (2.3)
ENSG00000226622 (2	FUT1 (2.7)	C17orf57 (2.6)	PVR (2.5)	LIPG (2.4)
GNAT2 (1.3)	RASIP1 (1.3)	NUP93 (1.3)	ABCA1 (1.3)	R3HDM1 (1.2)
R3HDM1 (2.3)	ST3GAL4 (2.2)	C17orf57 (2.1)	LIPC (2.0)	ZNF513 (1.9)
CYP26A1 (2.0)	HAPLN4 (1.9)	C11orf9 (1.7)	SORT1 (1.6)	SLC44A2 (1.5)
ZRANB3 (4.2)	NUP93 (2.8)	KPNB1 (2.0)	PPM1G (1.9)	CEP250 (1.9)
LPAR2 (1.6)	FUT2 (1.5)	LIPG (1.5)	TIMD4 (1.5)	IFT172 (1.5)
BCAM (1.7)	ENSG00000244861 (1	ENSG00000236436 (1	ZNF821 (1.4)	C19orf52 (1.2)
CILP2 (2.3)	ABO (2.2)	PVR (1.9)	RASIP1 (1.8)	DOCK6 (1.7)
CETP (1.8)	TIMD4 (1.7)	PLEC (1.6)	OTX1 (1.5)	SLC22A1 (1.3)
SLC22A1 (1.8)	ZNF513 (1.7)	KANK2 (1.6)	ST3GAL4 (1.6)	ABCA1 (1.6)
ENSG00000231204 (1	ABCA1 (1.5)	LIPG (1.3)	APOC1 (1.3)	LPIN3 (1.3)
DARS (2.4)	PPM1G (2.3)	TOP1 (2.2)	NOP58 (2.1)	GNAI3 (2.1)
PVRL2 (2.4)	PVR (2.3)	RAB3GAP1 (2.2)	FUT1 (2.1)	TBKBP1 (2.0)
C17orf57 (2.0)	ZNF513 (2.0)	FER1L4 (1.9)	MAMSTR (1.8)	SPATC1 (1.7)
NFE2L3 (1.9)	LIPG (1.7)	RASIP1 (1.5)	DOCK6 (1.5)	BCAM (1.2)
LPAR2 (2.2)	MAFB (2.2)	APOC1 (2.1)	COL4A3BP (1.9)	PARP10 (1.9)
NCAN (2.7)	PLCG1 (2.3)	USP24 (2.2)	ABO (2.2)	PLEC (2.2)
GRINA (2.5)	GATAD2A (2.3)	MAU2 (2.1)	CYP26A1 (2.1)	CLPTM1 (1.9)
COL4A3BP (2.2)	PLCG1 (2.1)	ANGPTL3 (1.9)	LPAL2 (1.9)	ABCG8 (1.8)
NFE2L3 (1.9)	ABCA6 (1.9)	AMIGO1 (1.9)	PARP10 (1.8)	LIPC (1.6)
TOMM40 (2.7)	SLC22A2 (2.6)	GATAD2A (2.1)	C19orf52 (2.1)	NFE2L3 (2.0)
LPIN3 (3.1)	KANK2 (2.5)	AMIGO1 (2.3)	SLC44A2 (2.1)	GPAM (1.9)
BCAM (2.7)	KRTCAP3 (2.4)	SLC44A2 (1.9)	KANK2 (1.7)	IFT172 (1.6)

ENSG00000226622 (2	ENSG00000256731 (2	PLCG1 (1.9)	SNX17 (1.9)	APOC1 (1.8)
TBKBP1 (2.2)	LPAL2 (2.1)	NCAN (1.9)	ANGPTL3 (1.9)	PLCG1 (1.8)
ENSG00000226622 (2	C19orf52 (2.2)	PLCG1 (2.1)	MYLIP (2.0)	SLC22A3 (2.0)
HNF4A (2.7)	PLG (2.6)	ANGPTL3 (2.3)	ATP13A1 (2.3)	ABCG8 (2.1)
USP1 (3.3)	MCM6 (3.2)	POC5 (3.2)	ZHX3 (2.0)	ENSG00000228044 (1
SMARCA4 (2.5)	NRBP1 (2.4)	ATXN1L (2.1)	PBX4 (2.0)	PLCG1 (2.0)
FER1L4 (2.4)	APOA5 (2.4)	TM6SF2 (2.2)	ABCG8 (2.1)	FGF21 (2.0)
PARP10 (3.0)	NPEPPS (2.4)	NFE2L3 (2.1)	SUMO1 (1.9)	CARM1 (1.7)
GATAD2A (1.9)	MAFB (1.8)	TRIB1 (1.8)	MAMSTR (1.7)	OTX1 (1.5)
PARP10 (2.1)	POLK (2.0)	NFE2L3 (1.7)	GRINA (1.7)	MAMSTR (1.7)
CEP250 (2.9)	DARS (2.8)	NOP58 (2.5)	FEN1 (2.5)	DHX38 (2.3)
CELSR2 (2.3)	DOCK6 (2.1)	LPAR2 (2.0)	LIPG (2.0)	PVRL2 (1.9)
CYP26A1 (2.0)	OBP2B (1.9)	ENSG00000231204 (1	MAFB (1.8)	ABCA5 (1.7)
UBXN4 (2.9)	NRBP1 (2.6)	IFT172 (2.6)	DHX38 (2.3)	USP24 (2.1)
TRAM2 (2.2)	ENSG00000236436 (1	ENSG00000226648 (1	ZRANB3 (1.7)	HAPLN4 (1.7)
TRIM54 (2.0)	ERGIC3 (2.0)	IFT172 (2.0)	ENSG00000226622 (1	KPNB1 (1.8)
NYNRIN (2.5)	HAVCR1 (1.9)	ENSG00000236267 (1	APOA4 (1.8)	ATXN7L2 (1.5)
BUD13 (2.5)	USP1 (2.5)	DHODH (2.5)	ENSG00000226622 (2	ENSG00000226645 (2
BUD13 (2.5)	USP1 (2.5)	DHODH (2.5)	ENSG00000226622 (2	ENSG00000226645 (2
COL4A3BP (2.3)	NRBP1 (2.0)	ATXN1L (1.9)	UBXN4 (1.8)	HNF1A (1.7)
BUD13 (1.6)	LCT (1.5)	LPIN3 (1.5)	NUP93 (1.5)	PSRC1 (1.3)
KRTCAP3 (2.3)	DHODH (2.3)	FEN1 (2.0)	C19orf52 (1.8)	LPA (1.7)
TRIM54 (2.0)	C17orf57 (1.8)	UBXN4 (1.8)	SORT1 (1.7)	HP (1.7)
MAU2 (2.2)	CEP250 (2.0)	SMARCA4 (2.0)	DHX38 (1.9)	CARM1 (1.8)
PLCG1 (2.6)	RASIP1 (2.6)	AMPD2 (2.3)	PLEC (2.3)	ZNF513 (2.3)
HP (2.2)	TIMD4 (1.9)	ENSG00000235545 (1	LPAL2 (1.6)	FUT2 (1.5)
KANK2 (2.1)	SARS (2.0)	POLK (1.9)	KPNB1 (1.8)	SMARCA4 (1.8)
NOP58 (2.8)	KPNB1 (2.5)	DHX38 (2.5)	MAU2 (2.1)	USP1 (2.0)
DARS (1.9)	IFT172 (1.8)	YIPF2 (1.7)	ENSG00000235545 (1	NUP93 (1.6)
USP1 (3.4)	NUP93 (3.3)	ZRANB3 (2.5)	KPNB1 (2.3)	PPM1G (2.3)
SNX17 (2.9)	IST1 (2.7)	YIPF2 (2.4)	IFT172 (2.3)	COL4A3BP (2.2)
PARP10 (2.6)	DNAH11 (2.1)	ZRANB3 (2.1)	TRAM2 (2.0)	CEP250 (1.9)
RAB3GAP1 (2.4)	ATXN1L (2.2)	ZNF513 (2.1)	DHX38 (2.1)	IGF2R (2.0)
IGF2R (2.4)	BCAM (2.0)	GDF5 (1.9)	CYP26A1 (1.9)	TBKBP1 (1.8)
LPL (2.3)	APOE (2.2)	NCAN (2.2)	TIMD4 (2.1)	APOC4 (1.7)
LPA (1.9)	ZNF821 (1.9)	FUT2 (1.8)	LPAL2 (1.5)	OBP2B (1.5)
ENSG00000235545 (2	ENSG00000231204 (1	ENSG00000226806 (1	ABO (1.6)	IZUMO1 (1.5)
USP24 (2.5)	KPNB1 (1.9)	ZNF259 (1.8)	UBXN4 (1.8)	GNAI3 (1.8)
DOCK7 (1.5)	IST1 (1.5)	CYP26A1 (1.4)	MAP3K4 (1.4)	GNAI3 (1.4)
MAFB (2.1)	IGF2R (2.1)	GDF5 (2.1)	NYNRIN (2.0)	OTX1 (1.7)
NYNRIN (1.8)	SLC22A2 (1.7)	ZHX3 (1.6)	NOP58 (1.6)	ENSG00000226622 (1
GMIP (2.0)	ENSG00000236267 (2	DNAH11 (1.7)	IZUMO1 (1.7)	TRIB1 (1.6)
UBXN4 (2.4)	NUP93 (2.3)	GSTM4 (1.7)	SNX17 (1.7)	ENSG00000254235 (1
BCAM (2.1)	CLPTM1 (2.0)	IZUMO1 (1.8)	IGF2R (1.7)	PBX4 (1.7)
ABO (1.9)	SUMO1 (1.9)	DNAH11 (1.7)	ENSG00000236267 (1	PCSK9 (1.4)
TOMM40 (2.2)	SARS (2.2)	TOP1 (2.2)	GRINA (2.1)	GOT2P1 (2.1)
KPNB1 (2.9)	PPM1G (2.7)	SARS (2.7)	DHX38 (2.7)	TOMM40 (2.4)
TRAM2 (2.2)	PLCG1 (2.2)	IGF2R (2.2)	RASIP1 (2.2)	LPIN3 (2.0)
NUP93 (2.8)	TOMM40 (2.0)	NRBP1 (2.0)	PPM1G (1.9)	SNX17 (1.8)
ABCA1 (2.2)	OASL (2.1)	PBX4 (1.8)	PLEC (1.7)	YIPF2 (1.7)

TOMM40 (2.7)	PPM1G (2.7)	CLPTM1 (2.6)	DHODH (2.3)	ATP13A1 (2.2)
ERGIC3 (1.4)	ENSG00000231204 (1	GPR61 (1.4)	DOCK6 (1.3)	PARP10 (1.3)
ST3GAL4 (2.1)	LPAR2 (2.1)	LDLR (1.7)	FADS1 (1.7)	FADS2 (1.6)
CLPTM1 (2.2)	BMPR2 (2.2)	RELB (2.0)	LPL (2.0)	ABCG8 (1.9)
PVR (2.1)	RASIP1 (2.0)	ABCA5 (1.9)	FGF21 (1.8)	NRBP1 (1.8)
CYB561D1 (2.1)	ABO (2.0)	HNF1A (1.9)	KRTCAP3 (1.8)	CLPTM1 (1.7)
FUT1 (2.4)	ATXN1L (2.4)	CELSR2 (2.2)	CYP26A1 (2.2)	LIPG (2.2)
RELB (2.2)	SUMO1 (1.9)	TOMM40 (1.9)	CBLC (1.8)	CLPTM1 (1.7)
SLC44A2 (2.9)	PVR (2.2)	NCAN (2.2)	GATAD2A (2.0)	DOCK6 (2.0)
TRAM2 (1.9)	ZHX3 (1.7)	GDF5 (1.6)	BCAM (1.6)	OBP2B (1.4)
GDF5 (2.4)	TRIM54 (2.2)	MAMSTR (2.2)	LPAL2 (2.1)	ENSG00000236436 (2
OBP2B (1.7)	SLC22A2 (1.6)	FNDC4 (1.6)	ENSG00000226806 (1	HNF1A (1.5)
TRIM54 (2.4)	PVRL2 (2.3)	CLPTM1 (2.2)	KPNB1 (2.1)	NUP93 (1.8)
ABCA6 (2.2)	LPL (1.9)	HP (1.6)	ENSG00000228044 (1	GDF5 (1.6)
ST3GAL4 (2.8)	CELSR2 (2.4)	LPIN3 (2.2)	LIPG (2.0)	EHBP1 (1.9)
FER1L4 (2.4)	ST3GAL4 (1.8)	PARP10 (1.8)	C12orf43 (1.8)	COL4A3BP (1.7)
FER1L4 (2.4)	ST3GAL4 (1.8)	PARP10 (1.8)	C12orf43 (1.8)	COL4A3BP (1.7)
IFT172 (1.8)	PSMA5 (1.7)	GSTM4 (1.7)	CEP250 (1.6)	SARS (1.6)
CELSR2 (2.2)	LPL (2.0)	MAMSTR (2.0)	APOA4 (1.9)	NCAN (1.9)
BCAM (2.1)	DOCK7 (2.1)	TBKBP1 (2.0)	C17orf57 (1.9)	FUT1 (1.8)
IST1 (2.6)	SMARCA4 (2.6)	USP1 (2.6)	DHX38 (2.5)	PPM1G (2.5)
ABCA5 (2.9)	HAPLN4 (2.7)	TM6SF2 (2.5)	NCAN (2.5)	ABCG5 (2.2)
PLEC (2.1)	IGF2R (2.1)	PVR (1.8)	CYP26A1 (1.7)	TM6SF2 (1.7)
IGF2R (2.0)	AMPD2 (2.0)	GATAD2A (2.0)	PGS1 (2.0)	KRTCAP3 (2.0)
CARM1 (2.5)	SUMO1 (2.5)	SORT1 (2.0)	ATXN1L (2.0)	CELSR2 (1.9)
SORT1 (2.0)	MYLIP (1.9)	PGS1 (1.9)	GMIP (1.8)	GPAM (1.7)
MAFB (2.1)	CLPTM1 (2.1)	TRIB1 (2.1)	CYP26A1 (2.0)	IGF2R (1.9)
ERGIC3 (2.4)	HAPLN4 (2.2)	GPR61 (2.0)	IFT172 (1.8)	NRBP1 (1.8)
PSRC1 (2.0)	GCKR (2.0)	FEN1 (1.9)	MCM6 (1.8)	GATAD2A (1.7)
HAPLN4 (3.1)	ABCG8 (2.7)	GNAT2 (2.5)	LCT (2.4)	ABCG5 (2.4)
KANK2 (2.4)	GDF5 (2.1)	PLEC (2.1)	CILP2 (1.9)	FUT2 (1.8)
SUGP1 (3.1)	SMARCA4 (2.8)	IFT172 (2.8)	MAU2 (2.5)	OASL (2.4)
DHX38 (2.5)	POC5 (2.4)	MCM6 (2.4)	FEN1 (2.4)	IST1 (2.2)
HAVCR1 (2.0)	RP1 (1.8)	PARP10 (1.7)	TRIB1 (1.7)	MYLIP (1.7)
NYNRIN (2.1)	BCAM (2.0)	GDF5 (1.9)	FUT1 (1.6)	ENSG00000226645 (1
PSRC1 (2.5)	BMPR2 (2.1)	ABCG5 (2.0)	ZHX3 (2.0)	BCAM (1.9)
TOMM40 (2.0)	SUMO1 (2.0)	C12orf43 (2.0)	NPEPPS (1.9)	PSRC1 (1.8)
SLC44A2 (2.3)	ABO (2.1)	DOCK6 (2.1)	PVRL2 (2.0)	PLEC (1.9)
LIPG (2.2)	TIMD4 (1.8)	RAB3GAP1 (1.8)	CETP (1.7)	MAFB (1.7)
BCAM (2.4)	GNAT2 (2.1)	OBP2B (2.1)	DOCK6 (1.8)	ABCA6 (1.4)
BMPR2 (1.7)	PGS1 (1.6)	ENSG00000228044 (1	GSTM5 (1.5)	ABO (1.5)
ENSG00000228044 (2	HAPLN4 (2.1)	ENSG00000235545 (1	ENSG00000254235 (1	TRIB1 (1.7)
OBP2B (1.8)	ABO (1.6)	YIPF2 (1.5)	RAB3GAP1 (1.4)	GPR61 (1.4)
IZUMO1 (1.8)	FGF21 (1.7)	YSK4 (1.7)	GNAT2 (1.4)	HMGCR (1.3)
ENSG00000226622 (2	ENSG00000235545 (1	NYNRIN (1.9)	EHBP1 (1.7)	DNAH11 (1.7)
ENSG00000254235 (2	MAFB (2.1)	ERGIC3 (1.8)	MAMSTR (1.7)	NYNRIN (1.6)
HNF1A (2.5)	PLEC (2.4)	GNAI3 (2.4)	SLC22A3 (2.3)	IST1 (2.0)
SNX17 (2.8)	DHX38 (2.7)	ZNF259 (2.7)	DARS (2.7)	TOMM40 (2.5)
C12orf43 (2.5)	DHX38 (2.5)	PPM1G (2.1)	ZNF259 (2.1)	NUP93 (2.1)
GRINA (2.2)	NFE2L3 (2.1)	ENSG00000226622 (2	ST3GAL4 (1.8)	GMIP (1.7)

DOCK7 (2.2)	IFT172 (2.1)	KANK2 (2.0)	USP24 (1.8)	DARS (1.8)
LPA (3.2)	APOC4 (3.2)	DHODH (2.3)	APOA5 (2.3)	TXNL4B (2.2)
SLC22A1 (2.2)	DHODH (2.0)	YSK4 (2.0)	FGF21 (1.9)	LPA (1.9)
SMARCA4 (3.0)	NUP93 (2.9)	SUGP1 (2.9)	BUD13 (2.7)	PPM1G (2.5)
PCSK9 (1.9)	SMARCA4 (1.8)	CLPTM1 (1.8)	SLC44A2 (1.8)	SUGP1 (1.7)
DOCK6 (3.0)	C17orf57 (3.0)	FUT1 (2.9)	PVR (2.8)	TSSK6 (2.5)
OTX1 (2.1)	ABCA5 (1.9)	BCAM (1.8)	ATXN1L (1.7)	ATXN7L2 (1.7)
PLG (4.1)	ANGPTL3 (2.7)	TM6SF2 (2.0)	GSTM4 (1.6)	ENSG00000182329 (1
GATAD2A (2.2)	KPNB1 (2.0)	AMPD2 (1.9)	SLC22A3 (1.6)	ATP13A1 (1.6)
CETP (1.8)	NYNRIN (1.6)	LPAR2 (1.6)	C17orf57 (1.5)	ENSG00000244861 (1
ENSG00000236436 (2	CYB561D1 (1.6)	ST3GAL4 (1.6)	ABO (1.5)	CARM1 (1.5)
TXNL4B (2.6)	C12orf43 (2.5)	ATXN1L (2.2)	RAB3GAP1 (2.1)	SUMO1 (1.9)
PPM1G (2.1)	SMARCA4 (2.0)	MAP3K4 (2.0)	IFT172 (1.9)	TOMM40 (1.8)
GDF5 (2.3)	MAFB (2.1)	ERGIC3 (2.0)	OBP2B (1.5)	FUT1 (1.5)
ZRANB3 (4.3)	CEP250 (2.7)	NUP93 (2.3)	ENSG00000228044 (1	PPM1G (1.5)
OBP2B (2.0)	CEP250 (1.9)	GCKR (1.6)	NCAN (1.6)	PSRC1 (1.5)
ZRANB3 (4.2)	NUP93 (2.8)	KPNB1 (2.0)	FADS1 (1.9)	TXNL4B (1.8)
SMARCA4 (2.9)	PPM1G (2.7)	USP1 (2.6)	DHX38 (2.6)	KPNB1 (2.5)
PLCG1 (1.7)	MAMSTR (1.7)	MYLIP (1.6)	CEP250 (1.5)	MAFB (1.5)
C12orf43 (2.1)	ENSG00000182329 (2	KRTCAP3 (2.1)	TXNL4B (1.9)	NOP58 (1.9)
ATP13A1 (3.1)	R3HDM1 (3.0)	PPM1G (3.0)	IFT172 (2.9)	SMARCA4 (2.9)
CELSR2 (2.7)	TRAM2 (2.3)	BCAM (2.2)	NCAN (2.1)	HAVCR1 (2.0)
TOMM40 (2.4)	TXNL4B (2.4)	C19orf52 (2.3)	NOP58 (2.3)	ATP13A1 (2.1)
MYLIP (2.1)	PMFBP1 (2.1)	CELSR2 (1.9)	SPATC1 (1.8)	OBP2B (1.8)
SMARCA4 (2.1)	DARS (1.9)	NPEPPS (1.9)	SUMO1 (1.7)	CARM1 (1.7)
DOCK6 (2.0)	SORT1 (1.9)	LCT (1.9)	ABCA1 (1.8)	PVR (1.7)
ZRANB3 (3.6)	MCM6 (3.6)	USP1 (2.9)	NUP93 (2.4)	TRAM2 (1.5)
DHX38 (1.9)	ATXN1L (1.9)	OTX1 (1.8)	PPM1G (1.8)	CLPTM1 (1.7)
NFE2L3 (2.6)	ZNF513 (2.3)	UBXN4 (2.1)	POLK (1.8)	PBX4 (1.6)
NUP93 (2.3)	USP1 (2.3)	PPM1G (2.2)	PSRC1 (1.8)	R3HDM1 (1.7)
NUP93 (2.3)	USP1 (2.3)	PPM1G (2.2)	PSRC1 (1.8)	R3HDM1 (1.7)
NUP93 (2.3)	USP1 (2.3)	PPM1G (2.2)	PSRC1 (1.8)	R3HDM1 (1.7)
PPM1G (3.2)	SARS (3.1)	KPNB1 (3.0)	ATP13A1 (2.7)	NUP93 (2.6)
NRBP1 (2.8)	PSMA5 (2.6)	IST1 (2.4)	NUP93 (2.3)	CLPTM1 (2.2)
PPM1G (2.8)	DARS (2.8)	UBXN4 (2.7)	NUP93 (2.7)	SARS (2.6)
GNAT2 (2.4)	DARS (2.3)	NUP93 (2.2)	AMPD2 (2.1)	NPEPPS (2.1)
PMFBP1 (2.5)	SUMO1 (2.4)	ZNF513 (2.2)	PVRL2 (2.2)	NFE2L3 (2.2)
HMGCR (5.3)	ATP13A1 (4.0)	PCSK9 (4.0)	SORT1 (3.1)	SARS (2.4)
PVR (2.5)	TRAM2 (2.2)	LIPG (2.0)	KANK2 (1.9)	GSTM5 (1.9)
GSTM5 (1.8)	IFT172 (1.7)	NPEPPS (1.7)	CETP (1.6)	GPAM (1.6)
BCAM (3.5)	CILP2 (2.4)	PLEC (2.3)	SORT1 (1.9)	CELSR2 (1.9)
POLK (2.5)	NPEPPS (2.2)	CARM1 (1.9)	LPA (1.9)	GOT2P1 (1.8)
POLK (2.2)	C12orf43 (2.2)	CEP250 (2.0)	IZUMO1 (1.7)	GOT2P1 (1.7)
TOP1 (1.8)	KANK2 (1.7)	PVRL2 (1.6)	GMIP (1.6)	NPEPPS (1.5)
ENSG00000231204 (2	PBX4 (2.1)	SLC22A3 (1.9)	CYB561D1 (1.9)	SLC44A2 (1.8)
FADS2 (6.4)	FADS1 (5.9)	LIPG (4.1)	ENSG00000236267 (1	LPAR2 (1.8)
RASIP1 (2.2)	ENSG00000226645 (2	GDF5 (2.1)	NYNRIN (2.0)	CBLC (2.0)
CELSR2 (2.1)	GRINA (2.1)	BCAM (2.1)	YIPF2 (2.1)	TIMD4 (1.5)
GOT2P1 (2.1)	BCAM (2.1)	NYNRIN (2.0)	LPL (1.9)	CARM1 (1.8)
PBX4 (2.2)	IFT172 (2.0)	TBKBP1 (2.0)	MAP3K4 (2.0)	MAU2 (1.9)

ZNF513 (2.2)	FUT1 (2.1)	LPIN3 (2.0)	LIPG (2.0)	RAB3GAP1 (1.7)
IGF2R (1.8)	HAPLN4 (1.7)	FNDC4 (1.7)	LIPG (1.7)	CBLC (1.3)
ABCG5 (2.7)	APOC3 (2.3)	HNF4A (2.1)	ANGPTL3 (2.1)	HP (2.0)
GNAI3 (2.0)	CYB561D1 (2.0)	DOCK6 (1.9)	CARM1 (1.8)	ATXN1L (1.8)
LIPG (2.5)	MAP3K4 (2.2)	CELSR2 (2.2)	ST3GAL4 (2.0)	LPIN3 (1.8)
ZNF259 (2.6)	TXNL4B (2.5)	GNAI3 (2.4)	ATP13A1 (2.3)	TOP1 (2.3)
ST3GAL4 (1.7)	LPAR2 (1.7)	ABCA1 (1.6)	MAFB (1.6)	EHBP1 (1.4)
ZRANB3 (2.8)	CEP250 (2.7)	NUP93 (2.5)	PSRC1 (2.4)	POC5 (2.1)
IST1 (2.1)	TRAM2 (2.0)	ATXN1L (1.9)	TOP1 (1.9)	PGS1 (1.9)
LPAR2 (1.7)	FGF21 (1.7)	PBX4 (1.6)	RP1 (1.6)	EHBP1 (1.5)
C17orf57 (1.9)	RELB (1.9)	PBX4 (1.9)	TRIB1 (1.8)	PLEC (1.7)
RAB3GAP1 (2.7)	LPAR2 (2.7)	OASL (2.5)	ENSG00000228044 (2	ABCG5 (2.4)
IFT172 (2.4)	DOCK7 (2.1)	DARS (2.1)	NUP93 (1.9)	SARS (1.8)
GSTM4 (1.8)	ZRANB3 (1.8)	ENSG00000236436 (1	CEP250 (1.3)	YSK4 (1.3)
GSTM4 (1.8)	ZRANB3 (1.8)	ENSG00000236436 (1	CEP250 (1.3)	YSK4 (1.3)
NOP58 (2.6)	C12orf43 (2.4)	POC5 (2.0)	TOP1 (1.9)	ENSG00000235545 (1
MYLIP (2.2)	NFE2L3 (2.1)	ABCA6 (1.6)	C12orf43 (1.5)	IFT172 (1.5)
MYLIP (2.3)	DOCK6 (2.0)	FUT2 (1.7)	KANK2 (1.7)	IGF2R (1.7)
USP1 (2.7)	DHX38 (2.7)	NOP58 (2.7)	SUGP1 (2.5)	PPM1G (2.4)
ENSG00000226806 (2	CILP2 (2.0)	APOE (2.0)	DARS (2.0)	MAFB (1.8)
HMGCR (2.8)	NUP93 (2.7)	PSMA5 (2.4)	ZNF259 (2.4)	NOP58 (2.3)
ZHX3 (2.0)	ENSG00000226622 (1	TRAM2 (1.9)	PLEC (1.9)	SLC22A1 (1.8)
ENSG00000226806 (2	ABCA1 (2.1)	PBX4 (1.7)	CEP250 (1.6)	SLC44A2 (1.5)
HAVCR1 (2.3)	TSSK6 (2.2)	ENSG00000244861 (1	AMIGO1 (1.8)	ENSG00000228044 (1
CETP (1.3)	PCSK9 (1.2)	SLC22A1 (1.2)	UBXN4 (1.2)	SORT1 (1.2)
YSK4 (1.8)	GOT2P1 (1.7)	GPR61 (1.7)	EHBP1 (1.7)	PMFBP1 (1.6)
CLPTM1 (2.1)	CYB561D1 (1.7)	GNAT2 (1.7)	UBXN4 (1.6)	HAVCR1 (1.5)
CEP250 (1.8)	RELB (1.8)	SLC22A3 (1.8)	MAU2 (1.7)	ABCA6 (1.6)
SARS (2.6)	DHODH (2.5)	KPNB1 (2.4)	SNX17 (2.3)	NRBP1 (1.7)
KANK2 (2.4)	HAPLN4 (2.3)	GSTM4 (2.2)	IGF2R (2.2)	PLCG1 (2.2)
ABCG5 (1.9)	ENSG00000182329 (1	CELSR2 (1.8)	SMARCA4 (1.8)	AMPD2 (1.7)
LPIN3 (2.3)	FUT1 (2.1)	MAP3K4 (2.0)	CELSR2 (1.9)	LIPG (1.8)
USP1 (4.1)	ZRANB3 (3.5)	NUP93 (3.2)	POC5 (2.7)	PSMA5 (2.6)
TRIB1 (2.9)	ENSG00000231204 (2	LPAR2 (2.6)	SPATC1 (2.5)	OTX1 (2.4)
C11orf9 (1.8)	GCKR (1.7)	PMFBP1 (1.7)	CYP26A1 (1.7)	OASL (1.7)
IFT172 (3.4)	ERGIC3 (1.9)	OTX1 (1.4)	FGF21 (1.3)	SNX17 (1.3)
NCAN (2.4)	BMPR2 (2.1)	FADS2 (1.9)	ABCA1 (1.8)	CETP (1.8)
USP1 (2.7)	SUGP1 (2.6)	SMARCA4 (2.5)	IST1 (2.5)	DARS (2.4)
SLC22A2 (2.4)	SARS (2.3)	RAB3GAP1 (2.1)	FUT1 (2.1)	DNAH11 (2.0)
ENSG00000228044 (2	CYB561D1 (1.9)	YSK4 (1.8)	RELB (1.8)	C19orf52 (1.7)
NOP58 (2.9)	KPNB1 (2.9)	PLEC (2.2)	ATP13A1 (2.2)	ZNF259 (2.2)
LPIN3 (2.3)	NPEPPS (2.3)	PSRC1 (2.2)	MAP3K4 (2.1)	CELSR2 (2.1)
ENSG00000182329 (2	TSSK6 (2.2)	ENSG00000254235 (2	OTX1 (1.7)	PMFBP1 (1.7)
TOP1 (3.0)	BUD13 (2.9)	NOP58 (2.9)	PPM1G (2.5)	SUGP1 (2.5)
TRIB1 (2.7)	BMPR2 (2.6)	NPEPPS (2.3)	CYP26A1 (2.1)	PLEC (2.0)
RELB (2.1)	TRIB1 (2.1)	HAVCR1 (1.9)	COL4A3BP (1.8)	GMIP (1.8)
ATP13A1 (2.2)	LPAR2 (1.9)	SORT1 (1.8)	PSMA5 (1.8)	PBX4 (1.8)
ERGIC3 (1.9)	C12orf43 (1.9)	FUT2 (1.9)	ZHX3 (1.8)	FEN1 (1.6)
ENSG00000228044 (2	ST3GAL4 (2.4)	HP (2.3)	PLEC (2.1)	TSSK6 (1.8)
ATXN7L2 (2.4)	LPAR2 (2.3)	ATP13A1 (2.2)	C19orf52 (2.1)	ABCG8 (2.1)

TOP1 (2.7)	CARM1 (2.5)	PPM1G (2.4)	BUD13 (2.3)	NUP93 (2.3)
MAFB (2.0)	PGS1 (1.9)	PVR (1.7)	LPL (1.7)	ENSG00000182329 (1
MAFB (2.0)	PGS1 (1.9)	PVR (1.7)	LPL (1.7)	ENSG00000182329 (1
ENSG00000235545 (2	ABCA5 (1.8)	TBKBP1 (1.8)	LPAL2 (1.7)	ENSG00000231204 (1
ENSG00000226622 (2	ENSG00000182329 (1	DNAH11 (1.8)	ENSG00000244861 (1	YIPF2 (1.6)
GSTM4 (1.9)	ENSG00000256731 (1	SLC44A2 (1.8)	RELB (1.6)	ENSG00000236436 (1
GMIP (2.0)	CETP (1.7)	MAMSTR (1.6)	GSTM5 (1.6)	YIPF2 (1.5)
ENSG00000226648 (2	CYP26A1 (1.9)	GSTM5 (1.7)	MAFB (1.6)	ST3GAL4 (1.6)
BMPR2 (2.1)	CYP26A1 (2.0)	ENSG00000226645 (1	RASIP1 (1.9)	DOCK6 (1.9)
GATAD2A (3.1)	TOP1 (2.9)	PPM1G (2.9)	KPNB1 (2.7)	UBXN4 (2.6)
BMPR2 (2.2)	CYP26A1 (2.2)	DOCK6 (2.0)	EHBP1 (1.9)	KANK2 (1.9)
DHX38 (2.6)	TOP1 (2.6)	ZNF259 (2.1)	BUD13 (2.1)	AMPD2 (2.1)
GPR61 (2.0)	LCT (1.7)	CBLC (1.7)	LPIN3 (1.7)	LPAR2 (1.6)
C19orf52 (2.4)	GNAI3 (2.4)	ENSG00000244861 (2	PLEC (2.1)	DARS (1.9)
PSRC1 (2.4)	DOCK6 (2.1)	DOCK7 (1.8)	PVRL2 (1.8)	LPIN3 (1.7)
SMARCA4 (2.7)	NUP93 (2.5)	ATP13A1 (2.5)	SUMO1 (2.2)	PPM1G (2.1)
FEN1 (2.6)	KPNB1 (2.2)	ZRANB3 (1.8)	CEP250 (1.7)	DARS (1.5)
GMIP (2.0)	RAB3GAP1 (1.9)	POLK (1.8)	C12orf43 (1.6)	BUD13 (1.5)
MAP3K4 (2.1)	LPAR2 (2.0)	TRIB1 (2.0)	PVRL2 (1.9)	FUT2 (1.8)
MYLIP (2.3)	CILP2 (2.2)	SPATC1 (2.0)	TBKBP1 (2.0)	POC5 (1.8)
GMIP (2.1)	ZHX3 (2.1)	GATAD2A (2.1)	SNX17 (2.1)	YSK4 (1.7)
ST3GAL4 (2.1)	APOE (1.9)	GMIP (1.7)	ENSG00000236267 (1	ENSG00000228044 (1
ZHX3 (2.5)	PGS1 (2.3)	PLCG1 (2.1)	TOP1 (2.1)	ENSG00000226806 (2
UBXN4 (2.4)	CYB561D1 (1.9)	TRAM2 (1.9)	PMFBP1 (1.9)	TM6SF2 (1.7)
MAP3K4 (2.5)	PSRC1 (2.3)	CELSR2 (2.3)	DOCK7 (2.1)	LIPG (1.9)
MAP3K4 (1.6)	ENSG00000244861 (1	ABCA1 (1.4)	TIMD4 (1.4)	LPAL2 (1.4)
ENSG00000226622 (2	GPR61 (1.8)	DNAH11 (1.8)	ENSG00000235545 (1	GOT2P1 (1.8)
GATAD2A (1.5)	ABCA1 (1.4)	C19orf80 (1.4)	NPEPPS (1.3)	CBLC (1.3)
R3HDM1 (2.1)	GATAD2A (2.1)	TOMM40 (2.0)	CLPTM1 (1.9)	TOP1 (1.7)
USP1 (3.7)	PPM1G (2.9)	TOMM40 (2.7)	NUP93 (2.7)	KPNB1 (2.7)
HAVCR1 (2.1)	GDF5 (1.9)	ZHX3 (1.8)	CILP2 (1.8)	SLC22A3 (1.7)
ABCA1 (2.1)	PGS1 (2.1)	TBKBP1 (1.4)	CETP (1.4)	OBP2B (1.3)
CBLC (2.4)	CELSR2 (2.4)	FUT2 (2.3)	DOCK6 (2.3)	GNAI3 (2.2)
CEP250 (2.1)	ATXN1L (2.1)	ZHX3 (1.8)	CBLC (1.8)	FER1L4 (1.8)
RASIP1 (2.3)	SLC44A2 (2.2)	BMPR2 (2.1)	COL4A3BP (2.0)	BCAM (1.7)
RAB3GAP1 (2.5)	SNX17 (2.5)	ATXN1L (2.5)	FUT1 (2.4)	PVRL2 (1.8)
LPL (2.1)	ZNF513 (2.1)	PVR (2.0)	KANK2 (1.8)	TRAM2 (1.7)
IZUMO1 (2.1)	ENSG00000228044 (2	DNAH11 (2.0)	ENSG00000231204 (2	ZRANB3 (1.9)
HNF1A (2.3)	GPAM (2.2)	SLC22A2 (2.1)	ST3GAL4 (2.1)	GDF5 (1.6)
LPAL2 (2.5)	PCSK9 (2.4)	IST1 (2.2)	LPA (2.0)	FADS2 (1.8)
UBXN4 (2.5)	PSMA5 (2.4)	TOP1 (2.3)	SARS (2.3)	GOT2P1 (2.3)
MAU2 (2.6)	NUP93 (2.6)	SMARCA4 (2.4)	C19orf52 (2.3)	IST1 (2.2)
PCSK9 (2.3)	HMGCR (2.2)	PVR (2.0)	PLCG1 (1.9)	ERGIC3 (1.8)
ENSG00000236436 (3	C19orf52 (2.5)	NYNRIN (2.2)	ATXN7L2 (2.1)	IFT172 (1.9)
MYLIP (1.9)	OBP2B (1.8)	PSRC1 (1.7)	PGS1 (1.5)	NRBP1 (1.5)
FER1L4 (1.9)	ENSG00000254235 (1	ZNF259 (1.7)	DOCK7 (1.6)	MAFB (1.6)
SNX17 (2.7)	PPM1G (2.7)	GNAI3 (2.6)	KPNB1 (2.1)	ZNF259 (2.0)
IST1 (2.2)	C19orf52 (1.9)	ENSG00000228044 (1	ABCA6 (1.9)	CYB561D1 (1.8)
POLK (2.2)	POC5 (1.9)	MYLIP (1.8)	RAB3GAP1 (1.7)	MAFB (1.6)
CETP (1.9)	DOCK7 (1.8)	ENSG00000231204 (1	BMPR2 (1.6)	SLC22A3 (1.6)

NFE2L3 (2.5)	PBX4 (2.5)	ENSG00000228044 (2	MAFB (2.2)	CETP (1.9)
AMPD2 (2.0)	SNX17 (2.0)	GSTM4 (2.0)	NRBP1 (1.9)	AMIGO1 (1.8)
LPL (2.1)	SORT1 (1.9)	IFT172 (1.9)	PSRC1 (1.7)	ATXN1L (1.7)
ATXN7L2 (2.3)	NYNRIN (1.9)	GDF5 (1.8)	TRIB1 (1.7)	KANK2 (1.6)
TXNL4B (2.4)	LPIN3 (2.4)	CYB561D1 (2.2)	LPAR2 (2.1)	IST1 (1.9)
NPEPPS (2.2)	ZHX3 (2.0)	GATAD2A (1.9)	AMIGO1 (1.9)	NRBP1 (1.8)
BUD13 (1.8)	MAP3K4 (1.8)	TOP1 (1.6)	GCKR (1.4)	GPR61 (1.4)
LDLR (2.8)	COL4A3BP (2.8)	PLEC (2.4)	CBLC (2.4)	SORT1 (2.3)
SUMO1 (2.6)	ENSG00000244861 (2	CLPTM1 (2.3)	KPNB1 (1.9)	SLC22A3 (1.9)
ZNF513 (2.3)	ENSG00000228044 (2	ENSG00000244861 (2	RELB (1.9)	NFE2L3 (1.9)
KPNB1 (2.8)	GATAD2A (2.7)	ZNF259 (2.7)	DARS (2.7)	SMARCA4 (2.4)
ABCA6 (1.8)	NFE2L3 (1.7)	CEP250 (1.7)	GPR61 (1.7)	POLK (1.6)
ABCA6 (1.8)	NFE2L3 (1.7)	CEP250 (1.7)	GPR61 (1.7)	POLK (1.6)
PVR (2.7)	KANK2 (2.5)	SLC44A2 (2.3)	CYB561D1 (2.0)	TSSK6 (1.7)
ENSG00000254235 (2	ENSG00000182329 (1	C11orf9 (1.7)	GCKR (1.6)	GATAD2A (1.5)
ENSG00000235545 (2	ATXN7L2 (2.0)	GPR61 (1.6)	ENSG00000226622 (1	TIMD4 (1.5)
ZRANB3 (2.4)	USP1 (2.2)	AMPD2 (2.1)	ENSG00000226645 (2	POLK (1.9)
C11orf9 (2.4)	GRINA (2.2)	POLK (2.0)	EHBP1 (1.8)	DOCK7 (1.7)
ABCA5 (2.1)	ATP13A1 (1.9)	PPM1G (1.9)	SUGP1 (1.9)	C19orf52 (1.9)
NOP58 (2.9)	SUGP1 (2.9)	PPM1G (2.7)	TOP1 (2.6)	DARS (2.4)
ABO (2.1)	PVRL2 (2.0)	PVR (2.0)	GNAI3 (1.8)	TOP1 (1.7)
PLCG1 (1.9)	PVRL2 (1.8)	IGF2R (1.8)	ENSG00000228044 (1	AMIGO1 (1.5)
CILP2 (2.4)	ENSG00000231204 (2	MAFB (2.0)	BCAM (2.0)	RP1 (1.7)
PGS1 (2.2)	UBXN4 (2.1)	USP24 (2.0)	ENSG00000244861 (2	SUMO1 (1.9)
NFE2L3 (2.2)	TRIB1 (2.1)	FUT1 (2.0)	FGF21 (1.7)	HNF4A (1.5)
CETP (2.2)	ENSG00000235545 (2	ST3GAL4 (2.0)	NFE2L3 (1.9)	SPATC1 (1.7)
PSRC1 (2.0)	OTX1 (1.9)	IST1 (1.8)	APOC4 (1.7)	TRIB1 (1.7)
OBP2B (2.0)	ATP13A1 (1.8)	ST3GAL4 (1.8)	ENSG00000231204 (1	SORT1 (1.8)
C19orf52 (1.6)	AMIGO1 (1.5)	CEP250 (1.5)	SORT1 (1.5)	MAP3K4 (1.3)
YSK4 (1.9)	ABCA6 (1.9)	PLEC (1.8)	SORT1 (1.8)	FUT2 (1.7)
PLG (2.9)	SLC22A1 (2.4)	ATP13A1 (2.1)	CLPTM1 (1.8)	IGF2R (1.8)
PVRL2 (2.3)	TRIB1 (2.1)	BMPR2 (1.9)	IGF2R (1.8)	GSTM5 (1.7)
BCAM (2.9)	CILP2 (2.4)	BMPR2 (2.3)	PLEC (2.0)	KANK2 (2.0)
ENSG00000236436 (2	ENSG00000182329 (1	NYNRIN (1.9)	MAMSTR (1.8)	MAFB (1.5)
CELSR2 (2.5)	OBP2B (2.1)	LPAR2 (2.0)	ATXN1L (2.0)	PVRL2 (1.8)
GPAM (2.6)	GSTM4 (2.3)	SLC22A3 (2.2)	ZNF513 (2.2)	GRINA (1.9)
GPAM (2.6)	GSTM4 (2.3)	SLC22A3 (2.2)	ZNF513 (2.2)	GRINA (1.9)
ENSG00000236267 (2	ENSG00000231204 (2	APOA5 (2.1)	LIPC (2.0)	CETP (1.9)
GRINA (1.9)	YIPF2 (1.9)	ENSG00000226645 (1	MYLIP (1.8)	ERGIC3 (1.8)
OASL (2.2)	PARP10 (2.1)	YIPF2 (2.1)	NRBP1 (2.0)	SUGP1 (1.9)
NUP93 (2.5)	KPNB1 (2.2)	SUMO1 (2.2)	NPEPPS (2.1)	SNX17 (1.7)
ENSG00000235545 (1	ABCA1 (1.8)	TSSK6 (1.6)	MAMSTR (1.6)	KANK2 (1.5)
PPM1G (2.2)	GRINA (2.2)	GMIP (2.1)	CLPTM1 (2.1)	MYLIP (2.1)
RASIP1 (2.4)	BCAM (2.1)	PVR (1.9)	BMPR2 (1.8)	KANK2 (1.8)
GMIP (2.3)	MAFB (2.0)	MYLIP (1.9)	ABCA1 (1.8)	APOE (1.8)
TRIB1 (2.1)	PSRC1 (2.1)	POLK (2.1)	PPM1G (2.1)	USP1 (2.0)
ENSG00000226648 (2	TRIB1 (2.4)	LPAR2 (2.4)	YSK4 (2.1)	ENSG00000244861 (2
PLG (2.1)	KRTCAP3 (2.1)	ZHX3 (2.1)	BCAM (2.0)	NFE2L3 (1.9)
MAU2 (2.3)	C19orf52 (2.2)	BUD13 (2.0)	NPEPPS (1.9)	IST1 (1.9)
LCT (2.3)	GDF5 (2.1)	TRAM2 (1.8)	PGS1 (1.7)	R3HDM1 (1.5)

CELSR2 (2.1)	NCAN (2.1)	FUT1 (2.1)	USP24 (2.0)	LPIN3 (1.8)
PLCG1 (2.6)	GMIP (2.3)	AMPD2 (2.2)	PLEC (2.0)	ZHX3 (2.0)
ABCA5 (2.1)	OTX1 (1.9)	FUT2 (1.9)	ENSG00000235545 (1	BMPR2 (1.6)
ZRANB3 (3.5)	PSRC1 (2.8)	KPNB1 (2.6)	NUP93 (2.4)	NOP58 (2.2)
IST1 (2.7)	PPM1G (2.7)	SUGP1 (2.7)	NOP58 (2.6)	USP1 (2.4)
PARP10 (2.0)	TIMD4 (2.0)	RELB (1.9)	PMFBP1 (1.8)	IFT172 (1.7)
GOT2P1 (2.4)	SUMO1 (2.3)	DARS (2.2)	USP1 (2.2)	R3HDM1 (2.0)
PBX4 (2.0)	MYLIP (2.0)	USP24 (1.9)	TBKBP1 (1.9)	RELB (1.7)
ZNF259 (2.8)	NOP58 (2.4)	SUGP1 (1.9)	PPM1G (1.8)	ATP13A1 (1.7)
LPAL2 (2.2)	POLK (2.0)	AMPD2 (2.0)	KRTCAP3 (1.8)	SYPL2 (1.8)
YIPF2 (2.3)	FUT1 (2.0)	PVR (1.9)	ENSG00000226806 (1	ZNF821 (1.7)
PARP10 (2.3)	ZNF513 (2.3)	PVR (2.2)	GSTM4 (2.0)	CARM1 (2.0)
PARP10 (2.3)	ZNF513 (2.3)	PVR (2.2)	GSTM4 (2.0)	CARM1 (2.0)
OBP2B (2.3)	AMIGO1 (2.1)	ABO (2.1)	ST3GAL4 (2.0)	KRTCAP3 (2.0)
PGS1 (2.8)	MAFB (2.6)	RASIP1 (2.4)	TRIB1 (2.2)	ABCA1 (1.8)
PPM1G (1.9)	POLK (1.8)	TOP1 (1.8)	PSMA5 (1.8)	SUMO1 (1.7)
LPIN3 (2.2)	TRIB1 (2.2)	ST3GAL4 (2.2)	GNAT2 (2.1)	IZUMO1 (2.0)
CEP250 (2.4)	POC5 (2.4)	MAU2 (2.2)	CARM1 (1.7)	SUGP1 (1.7)
ENSG00000228044 (2	ENSG00000235545 (1	CEP250 (1.7)	ATP13A1 (1.6)	LPAL2 (1.4)
TRAM2 (2.1)	SARS (2.1)	IGF2R (2.0)	PLCG1 (2.0)	GNAI3 (2.0)
MAP3K4 (2.7)	KPNB1 (2.4)	ZNF821 (2.4)	KANK2 (2.2)	IGF2R (2.0)
PSRC1 (4.2)	ZRANB3 (3.6)	NUP93 (3.2)	POC5 (2.5)	KPNB1 (2.4)
ENSG00000236436 (2	CYB561D1 (1.7)	ST3GAL4 (1.5)	CILP2 (1.5)	ABO (1.4)
OTX1 (2.4)	SLC44A2 (1.9)	PLEC (1.9)	LCT (1.9)	ABO (1.8)
DNAH11 (1.8)	ENSG00000236267 (1	GPR61 (1.7)	YSK4 (1.7)	CILP2 (1.6)
GRINA (2.9)	SORT1 (2.6)	IGF2R (2.5)	HAPLN4 (2.2)	GSTM4 (2.1)
IGF2R (2.4)	MYLIP (2.3)	SMARCA4 (2.3)	USP1 (2.2)	ATXN1L (2.2)
AMPD2 (2.6)	DHODH (2.6)	FUT2 (2.5)	NPEPPS (2.5)	LCT (2.3)
CBLC (2.6)	OTX1 (2.4)	CILP2 (2.1)	C11orf9 (2.0)	NFE2L3 (1.9)
DOCK7 (2.1)	OASL (1.9)	GDF5 (1.6)	TOMM40 (1.6)	PVR (1.3)
GMIP (2.2)	OASL (2.0)	NFE2L3 (2.0)	ATXN7L2 (1.6)	PARP10 (1.6)
RAB3GAP1 (2.2)	PLEC (2.1)	GATAD2A (2.0)	KPNB1 (1.9)	CARM1 (1.8)
NRBP1 (2.2)	SLC44A2 (2.1)	YIPF2 (2.0)	SARS (1.9)	ZNF821 (1.9)
NFE2L3 (2.5)	GRINA (2.2)	CLPTM1 (2.0)	PLEC (1.8)	NPEPPS (1.7)
SMARCA4 (2.1)	GNAI3 (2.0)	NUP93 (1.8)	PSMA5 (1.8)	PPM1G (1.8)
ATXN1L (2.6)	GMIP (2.5)	DHX38 (2.2)	HAPLN4 (2.0)	NCAN (1.9)
APOC1 (2.5)	TSSK6 (2.0)	NCAN (1.8)	IGF2R (1.8)	PMFBP1 (1.7)
LPL (2.1)	KANK2 (2.1)	IGF2R (2.0)	ATP13A1 (1.7)	MYLIP (1.6)
ZHX3 (2.8)	RAB3GAP1 (2.6)	USP24 (2.5)	LPAR2 (2.5)	COL4A3BP (2.3)
ENSG00000236436 (1	ENSG00000226648 (1	CEP250 (1.4)	CYB561D1 (1.4)	TOMM40 (1.4)
YIPF2 (3.2)	DHX38 (2.9)	CYB561D1 (2.8)	IFT172 (2.6)	ENSG00000228044 (2
R3HDM1 (2.6)	CETP (2.5)	GMIP (2.3)	SLC22A3 (2.2)	TSSK6 (2.0)
CELSR2 (2.6)	PLEC (2.2)	HAVCR1 (2.1)	GRINA (2.0)	PLCG1 (1.9)
RAB3GAP1 (2.6)	PGS1 (2.4)	GRINA (2.1)	CEP250 (2.1)	SNX17 (1.9)
PLG (1.9)	RAB3GAP1 (1.9)	IST1 (1.9)	HNF4A (1.8)	NRBP1 (1.8)
SUGP1 (2.4)	DHODH (2.3)	TOMM40 (1.8)	GATAD2A (1.8)	DARS (1.6)
TRIM54 (2.5)	PVR (2.1)	C17orf57 (2.0)	PVRL2 (1.9)	ANGPTL3 (1.8)
YSK4 (2.6)	NUP93 (2.6)	TOMM40 (2.4)	PPM1G (2.4)	KPNB1 (2.4)
ATXN7L2 (1.9)	TRAM2 (1.7)	PMFBP1 (1.7)	PGS1 (1.7)	COL4A3BP (1.6)
ENSG00000235545 (2	ABCA5 (1.7)	TBKBP1 (1.7)	ENSG00000231204 (1	LPAL2 (1.6)

TIMD4 (2.3)	SLC22A3 (2.1)	MAFB (1.9)	GMIP (1.8)	GNAT2 (1.7)
IFT172 (2.5)	CYP26A1 (2.3)	OBP2B (2.2)	LPAR2 (2.1)	ZNF513 (2.0)
ENSG00000228044 (2	CELSR2 (2.0)	RAB3GAP1 (2.0)	HMGCR (1.9)	IZUMO1 (1.8)
NUP93 (2.1)	DHX38 (2.0)	DARS (2.0)	TOMM40 (1.9)	C12orf43 (1.8)
CEP250 (2.9)	MAP3K4 (2.8)	SMARCA4 (2.8)	ATP13A1 (2.8)	BUD13 (2.6)
PGS1 (1.9)	LCT (1.8)	ABCG5 (1.8)	TM6SF2 (1.7)	ABO (1.6)
MCM6 (2.2)	GMIP (2.1)	TRIB1 (2.1)	ZRANB3 (1.9)	CEP250 (1.9)
ENSG00000236267 (1	NFE2L3 (1.4)	PBX4 (1.4)	GMIP (1.4)	RELB (1.3)
TOP1 (3.1)	SUGP1 (2.8)	NOP58 (2.7)	PPM1G (2.6)	SMARCA4 (2.5)
ENSG00000256731 (1	ABCA1 (1.8)	IFT172 (1.7)	ENSG00000235545 (1	ENSG00000226622 (1
CLPTM1 (2.1)	ATP13A1 (2.0)	ABCA5 (2.0)	C19orf52 (1.9)	DHX38 (1.9)
PLEC (3.2)	CBLC (1.9)	POLK (1.6)	CARM1 (1.6)	APOA4 (1.5)
ZRANB3 (2.2)	GMIP (2.1)	ZNF513 (1.9)	MAFB (1.8)	ENSG00000228044 (1
DOCK7 (2.1)	COL4A3BP (2.0)	ZNF821 (2.0)	UBXN4 (2.0)	CARM1 (2.0)
KPNB1 (2.6)	DARS (1.8)	POLK (1.8)	NPEPPS (1.7)	PPM1G (1.6)
NFE2L3 (2.5)	GRINA (1.6)	APOE (1.5)	TRIB1 (1.3)	COL4A3BP (1.3)
TXNL4B (1.5)	C19orf80 (1.4)	PSMA5 (1.4)	ZNF259 (1.4)	PPM1G (1.3)
TXNL4B (1.5)	C19orf80 (1.4)	PSMA5 (1.4)	ZNF259 (1.4)	PPM1G (1.3)
PMFBP1 (2.1)	ENSG00000236267 (2	GOT2P1 (1.8)	SORT1 (1.7)	FUT2 (1.7)
USP1 (2.6)	NUP93 (2.5)	SMARCA4 (2.5)	DARS (2.4)	BUD13 (2.4)
CEP250 (3.4)	USP1 (3.4)	BUD13 (2.5)	POC5 (2.1)	POLK (2.1)
HMGCR (4.2)	PCSK9 (3.3)	ERGIC3 (2.4)	ENSG00000244861 (2	YIPF2 (2.1)
GOT2P1 (2.4)	DOCK6 (2.3)	PMFBP1 (2.0)	SUGP1 (1.9)	ZNF821 (1.8)
SARS (1.9)	YSK4 (1.8)	HP (1.8)	PLEC (1.8)	HAVCR1 (1.8)
TIMD4 (2.9)	ENSG00000226806 (2	RELB (2.3)	GRINA (2.0)	APOA4 (1.9)
RASIP1 (2.5)	PVR (2.3)	LPL (2.0)	PVRL2 (1.7)	BCAM (1.7)
GRINA (1.9)	PGS1 (1.9)	GMIP (1.8)	TIMD4 (1.7)	PVR (1.7)
HAVCR1 (1.9)	PBX4 (1.9)	POC5 (1.8)	ENSG00000226806 (1	ZRANB3 (1.6)
DHX38 (2.6)	TOP1 (2.5)	AMPD2 (2.2)	ZNF259 (1.9)	KPNB1 (1.9)
ENSG00000228044 (2	PVR (2.0)	PARP10 (1.9)	GMIP (1.9)	ZNF513 (1.8)
SMARCA4 (2.2)	ATXN7L2 (2.1)	KPNB1 (2.1)	MAU2 (2.0)	TOP1 (1.9)
GMIP (2.3)	PBX4 (2.2)	SLC22A3 (2.1)	IZUMO1 (2.1)	IGF2R (2.0)
KPNB1 (2.2)	SNX17 (2.2)	NFE2L3 (2.2)	SUGP1 (2.1)	BMPR2 (2.1)
BCAM (2.5)	TSSK6 (2.5)	TRAM2 (2.2)	OTX1 (1.9)	CYP26A1 (1.8)
NFE2L3 (1.8)	SUMO1 (1.8)	SARS (1.5)	SPATC1 (1.5)	MAMSTR (1.4)
PVR (2.2)	GATAD2A (2.0)	KANK2 (2.0)	PLEC (1.9)	PVRL2 (1.7)
HAVCR1 (2.8)	TM6SF2 (2.5)	HNF4A (2.4)	ENSG00000226622 (2	ATP13A1 (2.0)
TBKBP1 (1.7)	GSTM5 (1.6)	CARM1 (1.6)	GPAM (1.6)	GATAD2A (1.5)
GMIP (3.1)	SLC22A3 (1.9)	MAFB (1.8)	ZNF821 (1.4)	MAMSTR (1.4)
FUT2 (1.8)	TRAM2 (1.7)	ABCA5 (1.6)	ERGIC3 (1.6)	ZNF259 (1.5)
APOC1 (2.2)	DOCK7 (1.9)	TRIB1 (1.9)	ENSG00000226806 (1	ENSG00000254235 (1
GSTM5 (2.2)	LPA (2.1)	IGF2R (1.9)	TRIB1 (1.8)	LPAL2 (1.8)
PLCG1 (2.0)	ZNF821 (1.9)	MAMSTR (1.9)	BMPR2 (1.6)	PBX4 (1.4)
NCAN (1.9)	MAP3K4 (1.9)	R3HDM1 (1.8)	ENSG00000244861 (1	POC5 (1.8)
LPL (3.3)	ABCG5 (3.2)	ABCG8 (3.1)	FUT2 (2.7)	APOC3 (2.4)
ABCG8 (2.2)	TOMM40 (2.1)	SARS (2.1)	FGF21 (2.0)	APOA4 (1.9)
GNAI3 (1.8)	MAP3K4 (1.8)	ZNF513 (1.7)	ATXN1L (1.5)	PPM1G (1.4)
PGS1 (2.1)	ENSG00000244861 (1	NRBP1 (1.8)	CYB561D1 (1.6)	MYLIP (1.5)
ZRANB3 (4.0)	NUP93 (2.5)	PPM1G (2.1)	CEP250 (2.0)	KPNB1 (1.8)
ENSG00000256731 (2	CYP26A1 (2.2)	TRAM2 (2.1)	LIPG (2.1)	DOCK6 (2.0)

ENSG00000226806 (2	MAFB (2.0)	IGF2R (2.0)	PBX4 (2.0)	PLCG1 (1.9)
LCT (2.5)	ABO (2.5)	LPIN3 (2.2)	ENSG00000236436 (2	GOT2P1 (2.1)
MAP3K4 (2.4)	DOCK6 (2.4)	HAPLN4 (2.2)	DNAH11 (2.1)	IFT172 (2.1)
CBLC (1.8)	SLC44A2 (1.8)	SUMO1 (1.8)	ABO (1.8)	FUT2 (1.7)
YIPF2 (2.0)	MAP3K4 (1.9)	IZUMO1 (1.9)	C17orf57 (1.9)	COL4A3BP (1.8)
YIPF2 (2.0)	MAP3K4 (1.9)	IZUMO1 (1.9)	C17orf57 (1.9)	COL4A3BP (1.8)
IFT172 (2.0)	DARS (1.9)	YIPF2 (1.7)	ENSG00000244861 (1	DOCK7 (1.6)
ENSG00000226648 (1	ENSG00000236436 (1	OBP2B (1.7)	ST3GAL4 (1.3)	LIPG (1.3)
NYNRIN (2.2)	MAFB (1.8)	ENSG00000226648 (1	NCAN (1.6)	CYP26A1 (1.6)
BUD13 (2.8)	PPM1G (2.7)	DHX38 (2.7)	NOP58 (2.6)	USP1 (2.6)
UBXN4 (2.1)	SARS (2.1)	PPM1G (2.0)	CARM1 (1.9)	RAB3GAP1 (1.9)
ENSG00000231204 (2	GNAT2 (1.9)	R3HDM1 (1.8)	ATP13A1 (1.7)	GCKR (1.6)
IZUMO1 (2.3)	ENSG00000236267 (1	HNF4A (1.6)	SORT1 (1.6)	HAVCR1 (1.3)
PVRL2 (2.5)	AMIGO1 (1.9)	MYLIP (1.9)	PLCG1 (1.8)	TRAM2 (1.7)
SUMO1 (2.5)	PPM1G (2.0)	NUP93 (1.8)	KPNB1 (1.8)	SUGP1 (1.6)
GDF5 (2.9)	TRIM54 (2.7)	CARM1 (2.5)	PLEC (2.3)	NCAN (2.2)
CEP250 (2.5)	KANK2 (2.5)	PPM1G (2.1)	ATXN1L (2.1)	GOT2P1 (2.0)
TM6SF2 (1.9)	GPR61 (1.8)	LPAL2 (1.7)	CETP (1.7)	RASIP1 (1.5)
ATXN1L (2.5)	KANK2 (2.5)	OTX1 (2.5)	ZHX3 (2.4)	DOCK7 (2.4)
PMFBP1 (1.7)	OASL (1.5)	PVR (1.5)	PSRC1 (1.5)	ATXN7L2 (1.5)
ATXN1L (2.0)	COL4A3BP (2.0)	TXNL4B (1.9)	GATAD2A (1.8)	ENSG00000228044 (1
PPM1G (2.5)	GRINA (2.5)	MAU2 (2.4)	SUGP1 (2.3)	KRTCAP3 (2.3)
IGF2R (2.3)	SORT1 (2.1)	PMFBP1 (2.1)	SARS (2.0)	UBXN4 (1.9)
FNDC4 (2.1)	GPR61 (2.1)	ENSG00000256731 (2	ABCA6 (2.0)	SLC22A2 (1.8)
CYP26A1 (2.4)	OTX1 (1.7)	MYLIP (1.7)	MAFB (1.5)	PLCG1 (1.4)
ABO (1.7)	PLCG1 (1.7)	CILP2 (1.4)	FUT2 (1.4)	ENSG00000244861 (1
RASIP1 (2.8)	ZNF821 (2.7)	GPAM (2.6)	SLC44A2 (2.2)	NYNRIN (1.8)
ENSG00000256731 (2	AMIGO1 (2.3)	MAMSTR (2.1)	ENSG00000231204 (2	PMFBP1 (1.8)
RP1 (2.2)	ZNF821 (2.1)	GSTM5 (2.0)	ENSG00000236436 (1	PVRL2 (1.7)
GSTM5 (1.5)	LPAL2 (1.5)	OASL (1.4)	CILP2 (1.4)	LPL (1.4)
ZHX3 (1.8)	R3HDM1 (1.8)	CELSR2 (1.8)	MAU2 (1.7)	GSTM5 (1.7)
KANK2 (2.7)	IGF2R (2.7)	USP1 (2.5)	TOP1 (2.5)	ZNF821 (2.3)
FUT2 (1.8)	OTX1 (1.8)	HAPLN4 (1.8)	CYP26A1 (1.7)	NYNRIN (1.7)
USP1 (3.1)	SNX17 (2.6)	NRBP1 (2.4)	SLC44A2 (2.4)	ZRANB3 (2.1)
ENSG00000231204 (2	CYP26A1 (2.4)	GDF5 (2.2)	MYLIP (2.0)	ATXN7L2 (1.6)
TXNL4B (2.1)	MAFB (1.9)	PSMA5 (1.8)	C12orf43 (1.8)	AMPD2 (1.7)
MAFB (1.9)	GDF5 (1.8)	ZNF513 (1.7)	TIMD4 (1.5)	CETP (1.5)
UBXN4 (2.0)	APOA4 (2.0)	IGF2R (1.8)	SUMO1 (1.8)	TM6SF2 (1.8)
UBXN4 (2.7)	CARM1 (2.6)	PARP10 (2.1)	RAB3GAP1 (1.9)	IST1 (1.6)
AMPD2 (2.7)	TOP1 (2.6)	BUD13 (2.6)	DHX38 (2.4)	DHODH (2.3)
NCAN (2.6)	FNDC4 (2.4)	NYNRIN (1.6)	MAU2 (1.5)	ENSG00000254235 (1
ABCG8 (2.4)	RP1 (2.4)	TM6SF2 (2.4)	LPL (2.0)	C11orf9 (1.8)
YSK4 (2.2)	ENSG00000182329 (2	GPR61 (2.2)	LPAL2 (2.1)	ENSG00000231204 (1
ATXN7L2 (2.1)	CBLC (2.0)	FER1L4 (1.9)	GATAD2A (1.9)	TRIB1 (1.8)
TOP1 (2.5)	RAB3GAP1 (2.1)	ZHX3 (2.1)	MAU2 (2.1)	SLC44A2 (2.0)
DOCK7 (1.9)	C11orf9 (1.9)	NRBP1 (1.8)	COL4A3BP (1.7)	GRINA (1.7)
GDF5 (2.3)	GSTM4 (2.0)	BCAM (1.7)	ST3GAL4 (1.7)	TRAM2 (1.6)
USP1 (2.5)	FEN1 (2.5)	CEP250 (2.2)	DOCK7 (2.1)	PPM1G (1.7)
KANK2 (2.1)	NYNRIN (1.9)	ZNF821 (1.7)	NCAN (1.6)	FUT2 (1.5)
ST3GAL4 (3.1)	C11orf9 (2.6)	NYNRIN (2.2)	GCKR (2.2)	FNDC4 (1.9)

GNAI3 (2.8)	DARS (2.7)	CLPTM1 (2.5)	ATP13A1 (2.3)	AMPD2 (2.2)
CBLC (1.7)	DOCK7 (1.6)	ENSG00000231204 (1	PMFBP1 (1.5)	SORT1 (1.4)
IFT172 (2.6)	MCM6 (2.6)	NRBP1 (2.5)	MAP3K4 (2.3)	NUP93 (2.1)
MYLIP (2.1)	NCAN (2.0)	C19orf80 (1.8)	ABCG5 (1.8)	LDLR (1.7)
PLEC (2.1)	DOCK6 (2.1)	TRIB1 (1.9)	R3HDM1 (1.8)	KANK2 (1.6)
RASIP1 (2.3)	CYP26A1 (2.2)	DOCK7 (2.2)	PVRL2 (2.1)	HAVCR1 (2.1)
LCT (3.4)	HNF4A (3.0)	BCAM (2.6)	FUT2 (2.4)	APOC3 (2.2)
MYLIP (1.7)	ENSG00000226622 (1	ENSG00000236436 (1	FGF21 (1.6)	CBLC (1.5)
TRAM2 (1.8)	RELB (1.7)	ZNF821 (1.5)	LCT (1.5)	SLC22A3 (1.5)
CELSR2 (2.1)	FUT1 (2.1)	PMFBP1 (1.9)	ENSG00000235545 (1	ENSG00000236436 (1
HAVCR1 (2.2)	ABCA6 (2.0)	GDF5 (1.8)	ABCA1 (1.6)	NFE2L3 (1.5)
HAVCR1 (2.2)	ABCA6 (2.0)	GDF5 (1.8)	ABCA1 (1.6)	NFE2L3 (1.5)
EHBP1 (2.0)	PLCG1 (1.9)	OTX1 (1.9)	ST3GAL4 (1.7)	CYP26A1 (1.7)
ENSG00000231204 (2	GSTM5 (2.1)	ABO (2.1)	SPATC1 (1.8)	AMIGO1 (1.8)
TOP1 (3.3)	DHX38 (3.2)	TOMM40 (3.1)	SMARCA4 (2.8)	PPM1G (2.7)
NFE2L3 (2.3)	OTX1 (2.2)	CILP2 (2.1)	SLC44A2 (1.9)	PLCG1 (1.8)
MYLIP (2.4)	PLEC (2.2)	PARP10 (1.9)	CYB561D1 (1.8)	PVR (1.7)
PVRL2 (2.1)	C19orf52 (2.0)	PVR (2.0)	POLK (2.0)	YSK4 (1.9)
DARS (2.4)	NUP93 (2.3)	POLK (1.9)	DHX38 (1.9)	USP1 (1.8)
ZNF821 (2.2)	PSRC1 (2.1)	NYNRIN (2.0)	BMPR2 (2.0)	HAPLN4 (1.9)
CETP (2.1)	FUT1 (2.0)	FNDC4 (1.9)	ABCA1 (1.8)	GNAT2 (1.8)
GOT2P1 (2.9)	POLK (2.8)	ENSG00000235545 (2	DHODH (2.4)	POC5 (2.3)
NPEPPS (2.2)	LIPG (2.2)	FADS2 (2.0)	DOCK7 (2.0)	ABCA1 (2.0)
SMARCA4 (2.3)	ZNF259 (2.1)	ATP13A1 (2.0)	NOP58 (1.9)	SUGP1 (1.8)
C19orf52 (2.2)	GSTM4 (2.0)	ANGPTL3 (2.0)	POC5 (2.0)	APOC4 (1.8)
ABCA1 (1.6)	ENSG00000226645 (1	MAFB (1.4)	TRIB1 (1.3)	YSK4 (1.3)
BUD13 (3.1)	ATP13A1 (3.1)	SMARCA4 (3.0)	NUP93 (2.8)	MAP3K4 (2.5)
TOMM40 (2.6)	PPM1G (2.6)	SARS (2.3)	ENSG00000235545 (2	ZNF259 (2.2)
SMARCA4 (2.9)	NOP58 (2.8)	IST1 (2.8)	DHX38 (2.8)	PPM1G (2.7)
GNAI3 (2.2)	SNX17 (1.9)	CYB561D1 (1.8)	ZHX3 (1.8)	SMARCA4 (1.7)
NUP93 (2.7)	SUGP1 (2.6)	FEN1 (2.6)	CEP250 (2.5)	MAU2 (2.5)
SLC44A2 (2.1)	DOCK6 (2.0)	PBX4 (1.7)	GPAM (1.7)	CBLC (1.6)
GRINA (2.8)	IGF2R (2.8)	SORT1 (2.5)	HAPLN4 (2.2)	ABCA1 (2.2)
GRINA (2.8)	IGF2R (2.8)	SORT1 (2.5)	HAPLN4 (2.2)	ABCA1 (2.2)
HNF4A (2.3)	PVRL2 (2.0)	ATP13A1 (1.9)	FNDC4 (1.8)	OTX1 (1.7)
ENSG00000226806 (1	ENSG00000226645 (1	OASL (1.7)	ZNF821 (1.6)	GSTM4 (1.5)
ENSG00000182329 (2	SYPL2 (2.1)	YSK4 (2.0)	HNF4A (1.9)	RP1 (1.9)
ENSG00000236267 (1	CBLC (1.5)	NOP58 (1.3)	NFE2L3 (1.3)	MAMSTR (1.2)
LIPG (2.3)	NFE2L3 (2.3)	BCAM (2.2)	ENSG00000254235 (2	CLPTM1 (2.0)
IZUMO1 (2.3)	OBP2B (1.9)	FADS1 (1.8)	PBX4 (1.7)	ENSG00000226622 (1
BUD13 (2.7)	SMARCA4 (2.7)	USP1 (2.6)	FEN1 (2.6)	DHX38 (2.5)
ZNF259 (2.3)	BUD13 (2.1)	SUMO1 (2.1)	SMARCA4 (1.8)	PPM1G (1.7)
ZNF259 (2.3)	BUD13 (2.1)	SUMO1 (2.1)	SMARCA4 (1.8)	PPM1G (1.7)
ZNF259 (2.3)	BUD13 (2.1)	SUMO1 (2.1)	SMARCA4 (1.8)	PPM1G (1.7)
TRIB1 (2.1)	NYNRIN (2.0)	CBLC (2.0)	ATXN7L2 (2.0)	BUD13 (1.7)
SMARCA4 (2.2)	NPEPPS (2.2)	BMPR2 (2.1)	USP1 (2.1)	MAFB (2.0)
ENSG00000236436 (2	ATXN7L2 (2.5)	C19orf52 (2.4)	PVRL2 (2.1)	ABO (2.1)
NFE2L3 (2.0)	ENSG00000231204 (1	GNAT2 (1.5)	LCT (1.5)	APOE (1.4)
TSSK6 (2.0)	OBP2B (1.8)	C19orf52 (1.7)	YSK4 (1.6)	EHBP1 (1.5)
GSTM4 (2.1)	GOT2P1 (2.1)	C19orf52 (1.8)	ENSG00000226648 (1	SLC22A3 (1.7)

RAB3GAP1 (2.3)	GSTM5 (2.2)	PMFBP1 (2.2)	ENSG00000236436 (2	ENSG00000244861 (2
CLPTM1 (2.6)	GRINA (2.2)	CELSR2 (2.1)	NCAN (1.9)	DHODH (1.5)
TRIM54 (3.2)	HMGCR (3.0)	FGF21 (3.0)	SYPL2 (2.8)	FADS2 (2.5)
ENSG00000254235 (2	LIPG (2.0)	ST3GAL4 (1.7)	SLC44A2 (1.7)	ENSG00000236267 (1
ST3GAL4 (2.1)	ABCA1 (1.9)	AMIGO1 (1.7)	GSTM5 (1.5)	CETP (1.4)
CELSR2 (2.2)	PLEC (2.2)	ABCA5 (1.8)	ATXN1L (1.8)	IFT172 (1.6)
C19orf52 (2.3)	UBXN4 (2.2)	HAPLN4 (2.0)	C12orf43 (1.9)	BUD13 (1.9)
GPAM (2.4)	HNF1A (2.3)	CELSR2 (2.2)	ZRANB3 (2.2)	SORT1 (1.7)
ENSG00000244861 (2	EHBP1 (2.0)	AMIGO1 (1.8)	ENSG00000254235 (1	IFT172 (1.5)
ENSG00000226806 (1	ZHX3 (1.4)	GOT2P1 (1.3)	LPAL2 (1.3)	ABCA5 (1.1)
USP24 (2.3)	PARP10 (2.2)	HNF1A (2.1)	RAB3GAP1 (2.0)	KANK2 (1.9)
ABCA6 (2.6)	CBLC (2.6)	TRAM2 (2.5)	OTX1 (2.5)	NFE2L3 (2.3)
ENSG00000226622 (2	ABCA1 (1.9)	MAFB (1.9)	APOE (1.8)	SPATC1 (1.8)
ENSG00000236436 (2	TRIB1 (2.1)	EHBP1 (2.0)	SNX17 (2.0)	GSTM5 (1.8)
NUP93 (2.3)	UBXN4 (2.2)	SNX17 (1.6)	GSTM4 (1.4)	LPA (1.2)
NUP93 (2.3)	UBXN4 (2.2)	SNX17 (1.6)	GSTM4 (1.4)	LPA (1.2)
DARS (2.8)	PPM1G (2.6)	CARM1 (2.5)	DHODH (1.8)	ENSG00000236436 (1
ENSG00000236267 (2	LPAR2 (2.0)	LIPG (1.8)	OTX1 (1.8)	PCSK9 (1.8)
SYPL2 (2.1)	SLC44A2 (2.0)	PVRL2 (2.0)	SLC22A2 (1.8)	ENSG00000244861 (1
RASIP1 (2.1)	MAFB (1.8)	C11orf9 (1.7)	LCT (1.7)	HNF4A (1.6)
BCAM (2.6)	OTX1 (2.5)	ABCA6 (2.5)	CYP26A1 (2.3)	TRAM2 (2.3)
RP1 (2.3)	CYB561D1 (1.9)	MYLIP (1.7)	HAVCR1 (1.7)	SORT1 (1.7)
ST3GAL4 (2.2)	FEN1 (2.1)	IST1 (2.1)	SORT1 (1.9)	SNX17 (1.7)
GRINA (2.8)	IGF2R (2.5)	SORT1 (2.5)	GSTM4 (2.2)	COL4A3BP (2.1)
NUP93 (2.0)	ENSG00000254235 (1	CYB561D1 (1.5)	LPA (1.5)	GSTM4 (1.4)
DOCK6 (2.1)	GSTM4 (2.1)	TRAM2 (2.1)	RASIP1 (2.0)	PLCG1 (1.9)
TOMM40 (1.9)	PVRL2 (1.8)	RELB (1.7)	GOT2P1 (1.7)	MAP3K4 (1.4)
SORT1 (2.8)	TIMD4 (2.0)	CYP26A1 (1.9)	PSRC1 (1.8)	CEP250 (1.7)
NYNRIN (2.3)	DHX38 (2.1)	NUP93 (2.0)	CLPTM1 (1.8)	TOMM40 (1.8)
SMARCA4 (2.9)	IST1 (2.6)	DHX38 (2.6)	USP1 (2.5)	SUGP1 (2.4)
KPNB1 (2.9)	DARS (2.5)	PPM1G (2.4)	DHODH (2.2)	GOT2P1 (1.9)
MAP3K4 (2.2)	KANK2 (2.1)	USP24 (2.0)	PLEC (1.9)	ENSG00000226648 (1
HNF1A (2.2)	DOCK7 (2.1)	SORT1 (2.1)	C11orf9 (2.0)	KANK2 (2.0)
GSTM5 (2.8)	ENSG00000182329 (2	ENSG00000231204 (2	GOT2P1 (2.1)	ENSG00000226645 (1
ENSG00000254235 (2	NOP58 (2.3)	SUMO1 (2.2)	KPNB1 (2.2)	GATAD2A (2.1)
FADS1 (2.7)	CYP26A1 (2.7)	FADS2 (2.5)	MAFB (2.3)	IGF2R (2.1)
C11orf9 (1.7)	ATXN1L (1.7)	GNAI3 (1.6)	LIPC (1.6)	CBLC (1.6)
PMFBP1 (2.0)	ABCA1 (1.8)	ENSG00000236267 (1	SLC22A2 (1.8)	APOE (1.8)
LIPG (2.2)	C11orf9 (2.1)	BCAM (1.9)	BMPR2 (1.9)	APOB (1.8)
CELSR2 (2.3)	EHBP1 (2.2)	LIPG (2.0)	LPAR2 (1.9)	DOCK6 (1.7)
C17orf57 (2.2)	PBX4 (2.1)	CETP (1.9)	PLEC (1.8)	ZNF513 (1.8)
BUD13 (2.9)	NUP93 (2.8)	SUGP1 (2.8)	DHX38 (2.8)	SMARCA4 (2.7)
BUD13 (2.9)	NUP93 (2.8)	SUGP1 (2.8)	DHX38 (2.8)	SMARCA4 (2.7)
BUD13 (2.9)	NUP93 (2.8)	SUGP1 (2.8)	DHX38 (2.8)	SMARCA4 (2.7)
RASIP1 (1.9)	FUT2 (1.9)	PVRL2 (1.8)	CYP26A1 (1.6)	ENSG00000226806 (1
FADS2 (3.0)	FADS1 (2.7)	LDLR (2.7)	PCSK9 (2.4)	KRTCAP3 (1.9)
RELB (1.7)	ENSG00000226622 (1	NFE2L3 (1.6)	PVR (1.5)	ERGIC3 (1.5)
ABCA1 (1.8)	SUMO1 (1.7)	KRTCAP3 (1.7)	APOE (1.7)	LPAL2 (1.6)
IGF2R (2.1)	ABCA5 (2.0)	ATP13A1 (2.0)	C19orf52 (1.9)	DHX38 (1.7)
PVR (1.7)	GDF5 (1.5)	ENSG00000231204 (1	PBX4 (1.3)	DNAH11 (1.3)

PARP10 (2.5)	LPAR2 (2.5)	IST1 (2.4)	ENSG00000244861 (2	NFE2L3 (2.3)
PARP10 (2.5)	LPAR2 (2.5)	IST1 (2.4)	ENSG00000244861 (2	NFE2L3 (2.3)
FGF21 (1.8)	GDF5 (1.6)	CEP250 (1.6)	SLC44A2 (1.6)	POLK (1.5)
CILP2 (2.1)	LPAR2 (1.7)	PMFBP1 (1.7)	LIPG (1.7)	DOCK7 (1.6)
CELSR2 (2.3)	APOC1 (2.0)	YSK4 (1.8)	NCAN (1.8)	ERGIC3 (1.7)
ENSG00000254235 (1	CYB561D1 (1.6)	NFE2L3 (1.5)	ENSG00000236436 (1	LPAR2 (1.3)
SLC22A3 (2.1)	CEP250 (2.0)	FUT1 (1.8)	USP24 (1.6)	DOCK6 (1.6)
LPAL2 (2.1)	ENSG00000236436 (2	FUT2 (2.0)	CILP2 (1.8)	MAFB (1.7)
PLEC (2.2)	POLK (2.1)	GNAI3 (2.0)	DNAH11 (1.8)	SLC44A2 (1.8)
ZRANB3 (2.3)	FUT1 (2.0)	PSMA5 (2.0)	SUGP1 (1.8)	KPNB1 (1.8)
MAU2 (2.1)	ABO (1.9)	DOCK7 (1.9)	NPEPPS (1.8)	PVRL2 (1.7)
NFE2L3 (1.9)	ABO (1.8)	CARM1 (1.7)	TIMD4 (1.6)	SMARCA4 (1.5)
ST3GAL4 (1.8)	AMIGO1 (1.6)	OTX1 (1.5)	TBKBP1 (1.4)	BMPR2 (1.4)
PPM1G (2.5)	ATP13A1 (2.2)	NOP58 (2.2)	CARM1 (2.1)	TOP1 (2.0)
DHX38 (2.6)	MAP3K4 (2.4)	BUD13 (2.3)	SUGP1 (2.2)	ERGIC3 (2.1)
FUT1 (2.9)	FGF21 (2.0)	PLEC (1.9)	ENSG00000236267 (1	PMFBP1 (1.4)
GSTM5 (2.3)	HAVCR1 (1.9)	LPIN3 (1.8)	FNDC4 (1.6)	SPATC1 (1.5)
CARM1 (2.0)	UBXN4 (1.9)	ATP13A1 (1.8)	PVR (1.7)	ENSG00000226806 (1
ENSG00000235545 (2	HNF4A (2.1)	ENSG00000228044 (2	ENSG00000226806 (2	GDF5 (2.0)
PLEC (2.8)	SMARCA4 (2.5)	CARM1 (2.4)	MAU2 (2.1)	MYLIP (1.9)
PBX4 (2.2)	GNAT2 (2.2)	HNF1A (2.2)	HNF4A (2.2)	RP1 (2.1)
DARS (2.8)	DHODH (2.5)	UBXN4 (2.4)	SUGP1 (2.0)	PPM1G (1.9)
RELB (1.7)	ENSG00000254235 (1	TIMD4 (1.5)	TRAM2 (1.5)	IZUMO1 (1.5)
RELB (2.1)	IST1 (2.1)	NPEPPS (2.1)	NRBP1 (2.0)	ENSG00000226648 (2
ABCA6 (2.1)	C11orf9 (2.0)	ENSG00000235545 (1	ENSG00000226645 (1	BMPR2 (1.7)
C11orf9 (1.9)	BCAM (1.8)	LPA (1.7)	BMPR2 (1.4)	GMIP (1.3)
UBXN4 (1.9)	ZNF513 (1.9)	LCT (1.7)	CLPTM1 (1.7)	SNX17 (1.6)
POLK (3.0)	GOT2P1 (2.6)	DHODH (2.5)	ENSG00000244861 (2	RAB3GAP1 (2.3)
ST3GAL4 (2.3)	LPAR2 (2.2)	CELSR2 (2.2)	LIPG (2.0)	FUT2 (2.0)
ST3GAL4 (2.5)	ENSG00000256731 (2	ENSG00000231204 (2	ABCA5 (2.1)	CYB561D1 (2.0)
PGS1 (2.1)	GOT2P1 (2.0)	ENSG00000254235 (1	PPM1G (1.6)	FUT1 (1.5)
EHBP1 (1.9)	GDF5 (1.9)	MAU2 (1.9)	CLPTM1 (1.8)	TRIB1 (1.8)
KPNB1 (2.6)	PPM1G (2.6)	SMARCA4 (2.6)	DARS (2.4)	GATAD2A (2.0)
RELB (2.0)	LPIN3 (1.6)	ATXN1L (1.3)	FEN1 (1.3)	LPAR2 (1.2)
CYB561D1 (2.1)	HNF1A (2.1)	KRTCAP3 (1.9)	LPIN3 (1.9)	ENSG00000226622 (1
GRINA (2.3)	MAP3K4 (2.2)	IFT172 (2.2)	KANK2 (2.0)	GATAD2A (2.0)
ATXN1L (1.9)	ZNF513 (1.9)	TM6SF2 (1.8)	NRBP1 (1.7)	IST1 (1.7)
MYLIP (1.8)	HAVCR1 (1.7)	KANK2 (1.7)	TRIB1 (1.7)	ZHX3 (1.6)
NUP93 (2.9)	TOP1 (2.9)	NOP58 (2.6)	GNAI3 (2.5)	USP1 (2.5)
NUP93 (2.7)	SMARCA4 (2.7)	PPM1G (2.7)	SUGP1 (2.6)	KPNB1 (2.5)
PBX4 (2.1)	PGS1 (2.1)	HP (2.0)	MAP3K4 (1.9)	FUT2 (1.8)
PVRL2 (2.0)	RAB3GAP1 (2.0)	ABCA5 (1.8)	PLEC (1.8)	GRINA (1.7)
FNDC4 (2.8)	ENSG00000226622 (2	GSTM5 (2.1)	LCT (1.6)	GCKR (1.6)
SLC44A2 (2.3)	CARM1 (1.9)	PLEC (1.8)	GNAI3 (1.8)	ENSG00000254235 (1
SLC44A2 (1.9)	EHBP1 (1.9)	ZNF513 (1.9)	NRBP1 (1.9)	SNX17 (1.8)
ABCG8 (2.3)	GSTM4 (2.2)	HNF1A (2.2)	APOA4 (2.2)	TXNL4B (2.2)
CYP26A1 (1.9)	LIPG (1.8)	KANK2 (1.8)	IGF2R (1.6)	NYNRIN (1.6)
TOMM40 (2.5)	PPM1G (2.4)	TOP1 (2.4)	SARS (2.3)	DHX38 (2.3)
TSSK6 (1.9)	ENSG00000226806 (1	PMFBP1 (1.7)	ENSG00000244861 (1	C17orf57 (1.5)
ENSG00000228044 (1	ABO (1.9)	DOCK6 (1.7)	C17orf57 (1.6)	TSSK6 (1.6)

FEN1 (2.8)	BUD13 (2.1)	NUP93 (2.1)	CEP250 (2.0)	LPIN3 (1.8)
FEN1 (2.8)	BUD13 (2.1)	NUP93 (2.1)	CEP250 (2.0)	LPIN3 (1.8)
MAP3K4 (2.3)	LPIN3 (2.3)	CELSR2 (2.3)	PSRC1 (2.2)	NPEPPS (2.2)
NFE2L3 (2.3)	POLK (2.1)	PARP10 (2.1)	GRINA (2.1)	ST3GAL4 (2.1)
BMPR2 (2.5)	MAFB (2.3)	ENSG00000226645 (2	HAPLN4 (1.9)	MYLIP (1.7)
SORT1 (2.3)	TIMD4 (2.1)	PMFBP1 (2.1)	DOCK6 (2.0)	HP (1.9)
ZRANB3 (3.1)	NUP93 (2.6)	PPM1G (2.2)	CEP250 (2.1)	KPNB1 (2.0)
USP24 (2.1)	UBXN4 (1.9)	AMPD2 (1.9)	POLK (1.9)	ZHX3 (1.9)
NFE2L3 (1.7)	SLC44A2 (1.7)	TRAM2 (1.7)	AMIGO1 (1.6)	GMIP (1.5)
NFE2L3 (1.8)	BUD13 (1.8)	PARP10 (1.8)	SUGP1 (1.6)	NUP93 (1.6)
ENSG00000235545 (3	PLCG1 (2.5)	DHX38 (2.3)	NCAN (2.1)	AMIGO1 (2.0)
ABCA6 (1.8)	MAFB (1.6)	LIPG (1.5)	ENSG00000226622 (1	ABCA1 (1.3)
GDF5 (1.7)	CYP26A1 (1.6)	ENSG00000226622 (1	C11orf9 (1.4)	PVR (1.3)
POLK (2.0)	MAFB (1.9)	RELB (1.8)	PGS1 (1.8)	FNDC4 (1.7)
ENSG00000236436 (2	OBP2B (2.1)	KANK2 (2.1)	NYNRIN (2.0)	MYLIP (1.5)
LCT (2.7)	TRAM2 (2.5)	LPIN3 (2.0)	TXNL4B (1.9)	CYB561D1 (1.9)
ENSG00000235545 (2	MAU2 (2.0)	CLPTM1 (1.9)	USP24 (1.9)	ABCA6 (1.9)
POLK (2.5)	COL4A3BP (2.4)	MAU2 (2.1)	SORT1 (2.0)	SLC44A2 (2.0)
NFE2L3 (2.1)	ENSG00000254235 (1	FER1L4 (1.4)	SLC22A1 (1.3)	POLK (1.2)
PVR (2.1)	PSMA5 (1.9)	ZNF513 (1.8)	MAP3K4 (1.7)	NRBP1 (1.7)
SORT1 (2.0)	CARM1 (1.8)	POLK (1.7)	SLC44A2 (1.7)	C19orf80 (1.6)
GCKR (2.1)	ENSG00000226622 (1	GOT2P1 (1.5)	ENSG00000236267 (1	HAVCR1 (1.1)
TSSK6 (2.3)	LPL (2.3)	FNDC4 (1.9)	OTX1 (1.9)	KANK2 (1.8)
C19orf52 (2.0)	ABO (2.0)	NYNRIN (1.7)	ENSG00000256731 (1	ENSG00000236267 (1
DOCK6 (2.0)	POLK (1.9)	SMARCA4 (1.8)	SUMO1 (1.8)	FUT1 (1.8)
BUD13 (2.6)	ATXN1L (2.0)	MAP3K4 (2.0)	NUP93 (1.9)	SUMO1 (1.7)
AMPD2 (2.6)	SORT1 (2.4)	FGF21 (2.3)	PSMA5 (2.2)	CLPTM1 (2.1)
FUT2 (2.1)	ATP13A1 (2.0)	SORT1 (1.9)	ERGIC3 (1.9)	ENSG00000236436 (1
LPIN3 (2.4)	DOCK6 (2.4)	SYPL2 (2.3)	TRIM54 (2.2)	PVR (2.0)
GRINA (2.8)	SORT1 (2.5)	IGF2R (2.4)	HAPLN4 (2.3)	GSTM4 (2.1)
NFE2L3 (1.8)	APOE (1.7)	ABCA6 (1.6)	LIPC (1.5)	TBKBP1 (1.5)
DHX38 (3.0)	NOP58 (2.8)	TOP1 (2.7)	PPM1G (2.7)	GATAD2A (2.4)
CARM1 (2.3)	GATAD2A (2.2)	USP24 (2.0)	GNAI3 (1.9)	NYNRIN (1.8)
TRIM54 (2.4)	RASIP1 (2.2)	IFT172 (2.0)	KANK2 (2.0)	ATXN1L (1.8)
LIPG (2.2)	FADS1 (1.9)	FUT2 (1.7)	MAFB (1.7)	PCSK9 (1.5)
SNX17 (2.0)	NRBP1 (1.9)	PVR (1.8)	FUT2 (1.7)	SYPL2 (1.7)
TM6SF2 (2.4)	ENSG00000236436 (2	ABCA5 (2.0)	ABCG8 (1.9)	SLC22A2 (1.9)
RP1 (2.3)	ABCG8 (2.3)	LIPC (2.2)	APOC4 (2.2)	AMIGO1 (1.9)
IGF2R (2.2)	DOCK7 (2.2)	OTX1 (2.1)	MYLIP (2.0)	EHBP1 (2.0)
GSTM5 (2.1)	CELSR2 (2.1)	PARP10 (1.9)	TBKBP1 (1.9)	GNAT2 (1.8)
KPNB1 (3.3)	PPM1G (3.3)	TOP1 (3.0)	NUP93 (3.0)	DHX38 (2.7)
DOCK6 (2.5)	KANK2 (2.5)	IGF2R (1.9)	LPL (1.7)	C19orf80 (1.7)
C19orf52 (2.2)	ENSG00000182329 (2	YSK4 (1.9)	TOMM40 (1.8)	ABCA5 (1.8)
PBX4 (2.3)	GMIP (2.0)	PGS1 (1.9)	SLC44A2 (1.9)	C19orf52 (1.8)
CYP26A1 (2.1)	ERGIC3 (2.0)	NYNRIN (1.8)	ABCA5 (1.6)	FUT1 (1.5)
LPIN3 (2.3)	TRAM2 (2.2)	AMPD2 (2.1)	SLC44A2 (2.1)	CYB561D1 (2.0)
ENSG00000182329 (2	ENSG00000226622 (2	FER1L4 (2.0)	NCAN (1.9)	PMFBP1 (1.8)
ZNF513 (2.4)	PARP10 (2.2)	GSTM4 (2.0)	BUD13 (1.9)	CARM1 (1.9)
IGF2R (2.6)	FEN1 (2.5)	PLCG1 (1.9)	CEP250 (1.8)	MAP3K4 (1.8)
USP1 (1.9)	ZRANB3 (1.8)	NYNRIN (1.8)	PCSK9 (1.7)	DOCK6 (1.6)

ENSG00000236436 (2	NCAN (1.8)	FUT2 (1.7)	PLEC (1.4)	COL4A3BP (1.3)
KRTCAP3 (2.9)	GCKR (2.8)	TXNL4B (2.0)	GRINA (2.0)	ABCG8 (1.9)
CEP250 (2.5)	NYNRIN (2.4)	SUGP1 (2.4)	IST1 (2.3)	NOP58 (2.1)
CLPTM1 (2.1)	PARP10 (1.9)	FEN1 (1.9)	MAFB (1.8)	TRIB1 (1.7)
GNAI3 (2.7)	PPM1G (2.6)	TOMM40 (2.2)	DARS (2.2)	TOP1 (2.1)
GMIP (2.2)	CYB561D1 (1.9)	POLK (1.9)	PBX4 (1.8)	IZUMO1 (1.8)
PLEC (2.1)	CYP26A1 (2.1)	PLCG1 (1.9)	FUT1 (1.9)	FER1L4 (1.8)
PVR (2.0)	ZNF513 (2.0)	SPATC1 (1.8)	LPL (1.8)	TRAM2 (1.7)
LDLR (3.5)	FADS1 (3.0)	LIPG (2.4)	FADS2 (2.1)	GSTM5 (1.9)
PLEC (2.1)	CBLC (2.1)	LPAR2 (2.1)	PBX4 (2.0)	GPR61 (1.9)
NFE2L3 (2.3)	MAU2 (2.1)	SUMO1 (1.9)	C19orf52 (1.6)	GMIP (1.6)
USP1 (2.7)	PSRC1 (2.6)	TRAM2 (2.6)	MAU2 (2.1)	ZRANB3 (2.0)
NFE2L3 (1.9)	ENSG00000228044 (1	LPAL2 (1.7)	COL4A3BP (1.6)	GOT2P1 (1.6)
NUP93 (2.8)	C19orf52 (2.6)	SUMO1 (2.6)	BUD13 (2.5)	DHX38 (2.5)
GRINA (3.6)	NFE2L3 (2.7)	CLPTM1 (1.8)	ERGIC3 (1.8)	ATP13A1 (1.7)
SMARCA4 (3.0)	CLPTM1 (2.9)	BUD13 (2.8)	TOMM40 (2.5)	GATAD2A (2.2)
IST1 (2.0)	TXNL4B (1.9)	GRINA (1.9)	NRBP1 (1.6)	DHX38 (1.5)
BMPR2 (2.1)	ENSG00000231204 (1	BUD13 (1.8)	ATXN7L2 (1.8)	SMARCA4 (1.7)
ENSG00000226622 (2	USP1 (2.3)	KPNB1 (2.2)	ENSG00000235545 (2	NUP93 (2.1)
PMFBP1 (1.7)	HNF4A (1.7)	KANK2 (1.7)	BCAM (1.7)	TRIB1 (1.7)
DOCK6 (2.2)	TRAM2 (2.2)	KANK2 (1.9)	FER1L4 (1.9)	SYPL2 (1.9)
TRIB1 (2.3)	CELSR2 (2.2)	MAP3K4 (2.1)	GATAD2A (2.0)	NUP93 (1.9)
NYNRIN (2.1)	OTX1 (2.0)	GDF5 (1.9)	MAMSTR (1.7)	LPIN3 (1.4)
CYP26A1 (2.1)	ENSG00000231204 (2	ENSG00000236436 (1	TRAM2 (1.6)	YSK4 (1.6)
ATXN7L2 (2.0)	RAB3GAP1 (2.0)	CARM1 (1.9)	AMPD2 (1.8)	ENSG00000226806 (1
SYPL2 (1.9)	C17orf57 (1.7)	LPL (1.7)	GMIP (1.6)	TSSK6 (1.6)
FUT2 (2.5)	LPIN3 (2.4)	AMPD2 (2.4)	ZNF513 (2.3)	CYB561D1 (2.2)
CYP26A1 (1.6)	NYNRIN (1.6)	KRTCAP3 (1.6)	LPAR2 (1.5)	PSRC1 (1.5)
TRIM54 (2.3)	DOCK6 (1.7)	NRBP1 (1.6)	ABO (1.6)	GNAI3 (1.6)
ATXN7L2 (2.5)	TBKBP1 (2.4)	MAMSTR (2.1)	USP24 (1.7)	ENSG00000236267 (1
ZNF259 (2.5)	SUMO1 (2.4)	CEP250 (2.2)	TOMM40 (1.8)	BUD13 (1.8)
C11orf9 (1.9)	HAPLN4 (1.8)	ENSG00000226648 (1	YSK4 (1.5)	CYP26A1 (1.4)
BUD13 (1.9)	DOCK7 (1.9)	C17orf57 (1.6)	ZNF821 (1.5)	CARM1 (1.4)
CETP (3.2)	MAMSTR (1.7)	MAFB (1.6)	SLC22A3 (1.5)	ABCA1 (1.4)
CEP250 (2.2)	PLCG1 (2.0)	NRBP1 (1.9)	BCAM (1.8)	BMPR2 (1.7)
PPM1G (2.8)	USP1 (2.8)	IST1 (2.8)	SMARCA4 (2.5)	BUD13 (2.5)
NUP93 (2.8)	NOP58 (2.6)	TOP1 (2.6)	PPM1G (2.5)	IST1 (2.3)
YIPF2 (2.4)	DHX38 (2.3)	OASL (2.2)	ZNF513 (2.1)	C19orf52 (2.1)
YIPF2 (2.4)	DHX38 (2.3)	OASL (2.2)	ZNF513 (2.1)	C19orf52 (2.1)
YIPF2 (2.4)	DHX38 (2.3)	OASL (2.2)	ZNF513 (2.1)	C19orf52 (2.1)
MYLIP (2.6)	DNAH11 (2.2)	FUT2 (1.8)	ABO (1.7)	RAB3GAP1 (1.5)
SMARCA4 (2.6)	DARS (2.6)	BUD13 (2.5)	USP1 (2.5)	DHX38 (2.5)
SMARCA4 (2.6)	MCM6 (2.4)	BUD13 (2.4)	CEP250 (2.2)	C19orf52 (2.2)
IZUMO1 (1.9)	CELSR2 (1.8)	NCAN (1.7)	BCAM (1.7)	ZNF821 (1.7)
USP1 (2.6)	BUD13 (2.6)	NOP58 (2.6)	DHX38 (2.6)	SUGP1 (2.4)
C11orf9 (2.1)	FADS2 (2.1)	SYPL2 (2.1)	PLCG1 (2.0)	HMGCR (2.0)
FER1L4 (1.8)	NCAN (1.6)	ENSG00000236436 (1	LPAL2 (1.4)	ENSG00000226648 (1
ZNF513 (2.5)	GSTM4 (1.9)	GMIP (1.8)	RAB3GAP1 (1.8)	ENSG00000228044 (1
KPNB1 (2.0)	ZNF259 (1.9)	ATP13A1 (1.9)	CARM1 (1.8)	BUD13 (1.7)
ENSG00000236436 (2	PVRL2 (2.0)	C19orf52 (1.8)	C11orf9 (1.6)	PBX4 (1.6)

HAVCR1 (2.2)	ZNF513 (1.9)	PCSK9 (1.7)	OBP2B (1.7)	LPIN3 (1.7)
NYNRIN (1.8)	SUMO1 (1.6)	RAB3GAP1 (1.6)	ABCA6 (1.6)	ABCA1 (1.6)
ERGIC3 (2.2)	UBXN4 (1.8)	CLPTM1 (1.8)	ST3GAL4 (1.7)	GSTM4 (1.7)
ERGIC3 (2.2)	UBXN4 (1.8)	CLPTM1 (1.8)	ST3GAL4 (1.7)	GSTM4 (1.7)
ERGIC3 (2.2)	UBXN4 (1.8)	CLPTM1 (1.8)	ST3GAL4 (1.7)	GSTM4 (1.7)
PVRL2 (2.6)	CARM1 (2.4)	GATAD2A (2.3)	SORT1 (2.3)	HAPLN4 (2.2)
CELSR2 (2.1)	ATP13A1 (2.0)	C11orf9 (2.0)	NCAN (2.0)	FUT1 (2.0)
PARP10 (2.3)	POLK (2.2)	PLEC (2.1)	SLC44A2 (2.1)	AMPD2 (2.0)
ATP13A1 (2.8)	SARS (2.7)	FUT2 (2.6)	FUT1 (2.3)	SORT1 (2.2)
GCKR (1.8)	FER1L4 (1.7)	PBX4 (1.6)	CEP250 (1.6)	GSTM5 (1.6)
GATAD2A (2.0)	GNAI3 (2.0)	PLEC (2.0)	PVRL2 (1.8)	SYPL2 (1.7)
C19orf80 (2.0)	GPAM (1.8)	C11orf9 (1.8)	IGF2R (1.7)	GDF5 (1.6)
GDF5 (2.0)	ABO (1.8)	ENSG00000256731 (1	LPAR2 (1.6)	NYNRIN (1.5)
HNF4A (2.3)	IGF2R (2.1)	HNF1A (2.1)	MAMSTR (2.0)	ABCA5 (2.0)
ENSG00000236436 (2	SPATC1 (2.1)	MAMSTR (1.9)	SLC22A1 (1.9)	LPAL2 (1.8)
DARS (1.8)	LPAR2 (1.8)	PSMA5 (1.8)	UBXN4 (1.7)	SLC22A3 (1.6)
SARS (1.9)	GRINA (1.7)	IFT172 (1.7)	MAU2 (1.6)	FGF21 (1.6)
USP1 (3.5)	MCM6 (3.5)	POC5 (3.3)	NUP93 (1.7)	OASL (1.7)
ERGIC3 (1.8)	ENSG00000236267 (1	DARS (1.7)	ENSG00000226645 (1	PGS1 (1.4)
MYLIP (2.3)	ZNF259 (2.1)	TXNL4B (2.0)	FEN1 (1.9)	SUMO1 (1.8)
MYLIP (2.3)	ZNF259 (2.1)	TXNL4B (2.0)	FEN1 (1.9)	SUMO1 (1.8)
GSTM4 (1.8)	ERGIC3 (1.8)	ENSG00000244861 (1	YIPF2 (1.8)	IFT172 (1.7)
ABO (2.3)	FNDC4 (2.2)	ST3GAL4 (2.1)	OBP2B (2.0)	KRTCAP3 (1.8)
SMARCA4 (2.9)	YIPF2 (2.5)	RAB3GAP1 (2.4)	IST1 (2.4)	NRBP1 (2.2)
PBX4 (2.6)	GSTM4 (2.1)	LPAR2 (2.1)	ZNF513 (2.0)	PVR (1.9)
SYPL2 (2.8)	ATXN7L2 (2.7)	PMFBP1 (2.2)	GNAT2 (2.1)	ENSG00000226806 (1
PGS1 (1.8)	ABCA6 (1.8)	RELB (1.7)	NFE2L3 (1.5)	PBX4 (1.5)
ENSG00000236267 (2	DNAH11 (2.3)	TXNL4B (2.0)	PMFBP1 (1.9)	ENSG00000231204 (1
PLCG1 (2.5)	CETP (2.1)	NFE2L3 (1.9)	IZUMO1 (1.8)	GMIP (1.7)
ENSG00000254235 (1	CILP2 (1.6)	OBP2B (1.5)	TBKBP1 (1.4)	LPAL2 (1.4)
CYP26A1 (2.2)	LPAL2 (2.1)	ABCA5 (1.9)	GSTM5 (1.7)	USP1 (1.7)
IFT172 (2.3)	SYPL2 (1.9)	NRBP1 (1.9)	BMPR2 (1.9)	KPNB1 (1.7)
NCAN (2.2)	C12orf43 (2.0)	AMIGO1 (2.0)	DNAH11 (1.8)	AMPD2 (1.7)
TBKBP1 (2.2)	NPEPPS (2.1)	GRINA (2.1)	C17orf57 (1.9)	IST1 (1.9)
RAB3GAP1 (2.1)	SNX17 (1.9)	CELSR2 (1.9)	C11orf9 (1.7)	NRBP1 (1.7)
OASL (2.0)	NRBP1 (2.0)	PVR (1.9)	RELB (1.7)	FUT2 (1.5)
ATXN1L (2.1)	RAB3GAP1 (2.0)	MAP3K4 (2.0)	ZHX3 (1.9)	PLEC (1.8)
IZUMO1 (1.8)	CBLC (1.7)	TSSK6 (1.7)	SLC44A2 (1.7)	DOCK7 (1.7)
CILP2 (2.3)	MYLIP (2.2)	GDF5 (2.0)	MAFB (2.0)	ENSG00000226645 (2
CARM1 (2.8)	SMARCA4 (2.5)	USP1 (2.5)	NYNRIN (2.4)	R3HDM1 (2.3)
FADS2 (5.1)	PCSK9 (4.2)	SORT1 (3.1)	CELSR2 (2.6)	LIPG (2.6)
NUP93 (1.6)	ENSG00000226645 (1	ABCA6 (1.5)	PVR (1.5)	SUGP1 (1.4)
ABO (2.1)	ENSG00000254235 (2	OBP2B (1.8)	PMFBP1 (1.7)	ENSG00000226622 (1
GDF5 (2.3)	ENSG00000226645 (2	FNDC4 (1.9)	ENSG00000182329 (1	ZHX3 (1.7)
GOT2P1 (3.2)	ENSG00000228044 (2	DNAH11 (2.0)	ENSG00000226806 (2	PMFBP1 (2.0)
KANK2 (2.1)	ENSG00000254235 (2	MAMSTR (1.9)	USP1 (1.9)	GDF5 (1.7)
PSMA5 (3.1)	NUP93 (2.8)	KPNB1 (2.5)	DARS (2.4)	SMARCA4 (2.2)
ATXN1L (1.9)	HAPLN4 (1.8)	ZNF513 (1.8)	LPIN3 (1.7)	ABCA5 (1.6)
DOCK6 (2.1)	OBP2B (2.0)	PVR (2.0)	RASIP1 (2.0)	NYNRIN (1.9)
BMPR2 (2.7)	CARM1 (2.7)	RAB3GAP1 (2.6)	USP24 (2.4)	IGF2R (2.3)

GNAT2 (1.9)	C19orf52 (1.6)	COL4A3BP (1.4)	CELSR2 (1.3)	ST3GAL4 (1.3)
ABCG5 (2.8)	APOA4 (2.4)	APOA5 (2.0)	C17orf57 (1.9)	APOC4 (1.9)
SLC44A2 (2.0)	APOE (1.9)	SLC22A3 (1.8)	PBX4 (1.7)	IGF2R (1.5)
MAFB (1.8)	CETP (1.8)	CYB561D1 (1.7)	GRINA (1.6)	RELB (1.5)
SLC22A2 (1.9)	CETP (1.9)	KANK2 (1.7)	ENSG00000226622 (1	FUT1 (1.5)
R3HDM1 (3.0)	ATXN1L (3.0)	SMARCA4 (2.4)	CARM1 (2.2)	PLCG1 (2.1)
ZNF821 (2.2)	IST1 (2.0)	ABCA1 (2.0)	ZHX3 (1.9)	MYLIP (1.8)
APOE (2.4)	SUMO1 (2.2)	PVR (2.0)	APOC1 (1.9)	ENSG00000236267 (1
APOC1 (2.3)	HNF1A (2.2)	SORT1 (2.1)	NCAN (2.1)	SLC44A2 (1.8)
ST3GAL4 (2.7)	HNF4A (2.5)	IFT172 (2.1)	OBP2B (2.0)	PVRL2 (1.9)
RAB3GAP1 (2.1)	DOCK6 (2.0)	ENSG00000182329 (2	NUP93 (2.0)	GCKR (1.8)
USP1 (3.1)	NOP58 (2.5)	PSRC1 (2.2)	SUGP1 (2.1)	FEN1 (2.1)
DARS (2.6)	GNAI3 (2.5)	SUMO1 (2.4)	AMPD2 (2.3)	SARS (2.0)
TIMD4 (2.2)	CETP (2.0)	PBX4 (1.8)	ENSG00000235545 (1	NFE2L3 (1.5)
MAFB (2.1)	APOC1 (1.7)	CYP26A1 (1.6)	SLC22A2 (1.6)	PLEC (1.4)
AMIGO1 (1.6)	ENSG00000254235 (1	LPL (1.4)	CLPTM1 (1.3)	YSK4 (1.2)
NOP58 (2.7)	TOP1 (2.7)	SMARCA4 (2.5)	DHX38 (2.2)	USP1 (2.1)
MYLIP (1.9)	LPL (1.9)	DOCK6 (1.8)	CILP2 (1.6)	KANK2 (1.6)
UBXN4 (2.3)	NPEPPS (2.2)	BMPR2 (2.1)	MYLIP (2.1)	KANK2 (2.0)
OTX1 (1.9)	GPR61 (1.8)	ERGIC3 (1.7)	GOT2P1 (1.7)	ENSG00000236267 (1
MYLIP (2.1)	SORT1 (2.1)	PLEC (1.9)	USP24 (1.9)	DOCK7 (1.8)
CETP (2.3)	ABCA1 (2.2)	TIMD4 (2.1)	ATXN1L (2.1)	LCT (2.1)
TRAM2 (1.8)	ENSG00000226645 (1	C11orf9 (1.7)	SPATC1 (1.6)	NYNRIN (1.6)
PGS1 (2.3)	DNAH11 (2.1)	ABCA6 (1.8)	SPATC1 (1.8)	NFE2L3 (1.6)
FADS1 (4.0)	FADS2 (3.8)	CLPTM1 (2.4)	SORT1 (2.0)	YIPF2 (1.8)
C12orf43 (2.8)	SARS (2.4)	RAB3GAP1 (2.3)	COL4A3BP (2.3)	GNAI3 (2.2)
TIMD4 (2.0)	MAU2 (2.0)	ABCA1 (1.8)	ZNF513 (1.6)	C19orf52 (1.5)
SLC44A2 (1.9)	NRBP1 (1.9)	DARS (1.8)	YSK4 (1.8)	CEP250 (1.7)
PVR (2.0)	RELB (1.9)	OASL (1.9)	MAMSTR (1.8)	PARP10 (1.7)
ZNF513 (2.1)	GSTM4 (2.1)	CARM1 (2.1)	GMIP (1.8)	OASL (1.7)
CYP26A1 (2.2)	ENSG00000236436 (2	MAFB (2.1)	MAMSTR (1.8)	FUT2 (1.8)
PLG (3.4)	HNF4A (3.3)	HAVCR1 (3.0)	FGF21 (2.5)	TM6SF2 (2.3)
C17orf57 (2.1)	BMPR2 (2.0)	ATXN1L (2.0)	KANK2 (1.9)	TBKBP1 (1.9)
RASIP1 (2.0)	CETP (1.9)	LPA (1.7)	LPL (1.7)	CILP2 (1.6)
CBLC (2.1)	BMPR2 (2.1)	SLC44A2 (2.1)	HAPLN4 (2.0)	C19orf80 (1.9)
CARM1 (2.4)	PLEC (2.2)	NRBP1 (2.2)	GNAI3 (2.0)	PPM1G (1.9)
SNX17 (2.2)	SARS (2.1)	C19orf52 (2.1)	PSRC1 (1.9)	KRTCAP3 (1.9)
TOMM40 (1.9)	BUD13 (1.9)	DHODH (1.6)	FEN1 (1.5)	NUP93 (1.4)
CLPTM1 (1.9)	ATXN1L (1.8)	HP (1.7)	TRAM2 (1.7)	SLC22A3 (1.7)
ABCA5 (2.3)	YIPF2 (2.3)	C19orf52 (2.2)	ST3GAL4 (2.0)	KANK2 (1.7)
DARS (2.7)	TOMM40 (2.3)	SUMO1 (2.3)	UBXN4 (2.3)	NPEPPS (2.2)
ZNF821 (2.4)	ENSG00000182329 (2	RASIP1 (2.2)	MAFB (2.0)	ABO (1.7)
C12orf43 (2.4)	NOP58 (2.3)	DARS (2.3)	TOMM40 (2.2)	ZNF259 (2.1)
TXNL4B (2.2)	NOP58 (2.1)	RAB3GAP1 (2.0)	AMPD2 (1.9)	CLPTM1 (1.9)
BCAM (2.2)	HNF1A (1.8)	MAMSTR (1.5)	GPAM (1.4)	FUT1 (1.4)
R3HDM1 (2.5)	FUT1 (2.5)	MAMSTR (2.0)	CELSR2 (1.9)	LPA (1.7)
LIPG (1.7)	LPAR2 (1.7)	CEP250 (1.6)	GDF5 (1.6)	MAMSTR (1.6)
MAU2 (2.0)	GDF5 (1.9)	IST1 (1.9)	OTX1 (1.7)	CYP26A1 (1.7)
TRAM2 (2.7)	ATP13A1 (2.2)	CYB561D1 (2.0)	CLPTM1 (1.9)	ABO (1.7)
TRAM2 (2.7)	ATP13A1 (2.2)	CYB561D1 (2.0)	CLPTM1 (1.9)	ABO (1.7)

CLPTM1 (2.2)	KPNB1 (1.9)	KANK2 (1.9)	ENSG00000236436 (1	C19orf52 (1.8)
TRIB1 (2.6)	CARM1 (2.4)	MAU2 (2.4)	ZNF513 (2.0)	GSTM5 (1.8)
KPNB1 (2.6)	NUP93 (2.4)	SUGP1 (2.1)	NRBP1 (1.9)	SNX17 (1.8)
ABO (2.1)	TBKBP1 (2.0)	USP24 (2.0)	BMPR2 (2.0)	FER1L4 (1.9)
CYP26A1 (2.1)	USP24 (1.8)	DOCK6 (1.8)	LPAR2 (1.7)	SLC22A2 (1.6)
CELSR2 (2.8)	DOCK6 (2.8)	LPAR2 (2.7)	PSRC1 (2.4)	SLC44A2 (2.1)
CARM1 (2.3)	PVRL2 (2.0)	BCAM (1.9)	C11orf9 (1.8)	GRINA (1.8)
PVR (2.2)	RELB (2.2)	ST3GAL4 (1.9)	SUGP1 (1.9)	APOA4 (1.8)
CARM1 (1.9)	ENSG00000235545 (1	ABCA5 (1.7)	ZHX3 (1.6)	COL4A3BP (1.6)
DHODH (2.2)	FUT1 (2.1)	TXNL4B (2.1)	PMFBP1 (2.0)	ENSG00000236267 (2
ZNF513 (1.7)	NFE2L3 (1.6)	GMIP (1.5)	ENSG00000235545 (1	ABCA5 (1.5)
ABO (1.5)	AMIGO1 (1.5)	OBP2B (1.4)	RAB3GAP1 (1.4)	TRIM54 (1.4)
PVRL2 (2.2)	SUMO1 (1.9)	CELSR2 (1.8)	ZHX3 (1.7)	FUT1 (1.7)
ENSG00000256731 (1	C11orf9 (1.7)	FER1L4 (1.6)	PGS1 (1.4)	ANGPTL3 (1.4)
DHODH (3.0)	CARM1 (2.5)	DARS (2.2)	PPM1G (2.0)	ENSG00000236436 (1
BUD13 (3.1)	SMARCA4 (2.9)	NOP58 (2.8)	NUP93 (2.7)	FEN1 (2.5)
LPAL2 (2.4)	GPR61 (2.1)	ABCA5 (2.1)	POLK (2.0)	ENSG00000236436 (1
LIPG (1.7)	IZUMO1 (1.6)	ZNF821 (1.5)	KANK2 (1.5)	DNAH11 (1.4)
TRIB1 (1.8)	PLCG1 (1.8)	PBX4 (1.8)	MAP3K4 (1.8)	C19orf52 (1.7)
SARS (2.4)	PPM1G (2.3)	PSMA5 (2.1)	NPEPPS (2.1)	SMARCA4 (2.1)
YSK4 (1.7)	AMIGO1 (1.6)	ABO (1.6)	ENSG00000231204 (1	GRINA (1.5)
ENSG00000226645 (1	MAFB (1.6)	IGF2R (1.5)	TOP1 (1.5)	ABO (1.5)
SUGP1 (2.5)	NPEPPS (2.4)	UBXN4 (2.4)	BUD13 (2.2)	KPNB1 (1.9)
ABO (1.9)	ENSG00000226648 (1	LPIN3 (1.7)	HAVCR1 (1.7)	NPEPPS (1.5)
ENSG00000226645 (2	ST3GAL4 (1.9)	ENSG00000228044 (1	SLC22A3 (1.7)	GSTM5 (1.7)
FADS2 (2.5)	C19orf80 (2.5)	FER1L4 (2.2)	LPA (2.0)	NPEPPS (1.9)
USP1 (3.4)	FEN1 (3.4)	TRIB1 (2.6)	NUP93 (2.2)	PPM1G (2.2)
GNAT2 (2.8)	SYPL2 (2.6)	ATXN7L2 (2.1)	PMFBP1 (2.0)	ENSG00000226622 (1
FER1L4 (1.8)	MYLIP (1.7)	ATXN7L2 (1.7)	ZRANB3 (1.6)	PVR (1.5)
PPM1G (3.0)	NUP93 (2.9)	TOP1 (2.9)	BUD13 (2.9)	DARS (2.4)
SUMO1 (2.6)	NUP93 (2.4)	SARS (2.0)	PPM1G (1.9)	KPNB1 (1.7)
ANGPTL3 (2.2)	SORT1 (1.9)	LPL (1.6)	SLC22A1 (1.6)	PMFBP1 (1.5)
GNAT2 (2.2)	ENSG00000235545 (2	SARS (2.1)	AMPD2 (2.0)	SNX17 (1.7)
NUP93 (2.8)	TOP1 (2.8)	KPNB1 (2.8)	NOP58 (2.7)	DHX38 (2.4)
AMPD2 (2.5)	ATP13A1 (2.4)	SMARCA4 (2.2)	KPNB1 (2.0)	IST1 (1.8)
DOCK6 (2.5)	FUT1 (2.3)	AMPD2 (2.2)	SLC44A2 (2.2)	MAU2 (2.0)
PVR (2.2)	TRIM54 (2.2)	CYP26A1 (2.0)	NFE2L3 (2.0)	FUT1 (1.9)
TBKBP1 (1.8)	COL4A3BP (1.8)	OBP2B (1.7)	ABCA5 (1.7)	PPM1G (1.7)
ABCG8 (3.1)	SLC22A1 (3.1)	APOC3 (2.6)	TM6SF2 (2.4)	SLC22A2 (2.3)
CYB561D1 (1.8)	KRTCAP3 (1.8)	MAP3K4 (1.8)	TSSK6 (1.7)	ZNF259 (1.5)
ERGIC3 (2.5)	PLEC (2.3)	MAMSTR (1.9)	KPNB1 (1.9)	GNAI3 (1.8)
TOMM40 (3.4)	PPM1G (3.3)	KPNB1 (3.0)	UBXN4 (3.0)	SNX17 (2.8)
SUGP1 (2.0)	GNAT2 (1.8)	DHODH (1.7)	MAU2 (1.5)	YIPF2 (1.5)
SUGP1 (2.9)	DHX38 (2.8)	GNAI3 (2.7)	PPM1G (2.6)	USP1 (2.5)
PSMA5 (2.5)	EHBP1 (2.4)	ATXN7L2 (2.0)	CLPTM1 (2.0)	DHX38 (1.9)
PMFBP1 (2.2)	IFT172 (2.1)	YIPF2 (2.0)	SNX17 (1.9)	GMIP (1.8)
APOE (1.7)	ENSG00000228044 (1	KRTCAP3 (1.7)	TIMD4 (1.7)	ST3GAL4 (1.6)
PVR (2.3)	GSTM4 (2.3)	LPIN3 (2.2)	PVRL2 (2.1)	FNDC4 (2.1)
ZRANB3 (4.2)	ATP13A1 (2.7)	NUP93 (2.3)	CEP250 (2.2)	SMARCA4 (2.0)
C17orf57 (1.6)	USP1 (1.4)	ENSG00000226645 (1	ENSG00000254235 (1	POC5 (1.4)

ABO (2.3)	ENSG00000235545 (2	C19orf80 (1.9)	ENSG00000182329 (1	SLC22A3 (1.9)
MYLIP (1.9)	ABCA6 (1.9)	GATAD2A (1.8)	TOP1 (1.8)	SNX17 (1.8)
NFE2L3 (2.2)	MAMSTR (2.1)	PSRC1 (1.8)	POLK (1.7)	POC5 (1.7)
RELB (2.4)	MAFB (2.3)	PARP10 (2.2)	APOE (1.9)	SLC22A3 (1.5)
DOCK6 (2.4)	APOC1 (2.3)	ABCA1 (2.3)	LCT (2.1)	CYP26A1 (2.1)
TIMD4 (1.4)	CETP (1.4)	PCSK9 (1.3)	SLC22A2 (1.2)	SLC22A1 (1.2)
ENSG00000231204 (2	ABO (2.3)	LPAL2 (1.9)	PBX4 (1.9)	CYP26A1 (1.7)
R3HDM1 (2.4)	NCAN (2.3)	LIPG (2.1)	GPR61 (2.0)	AMIGO1 (1.9)
GMIP (2.2)	CARM1 (2.2)	LPIN3 (2.2)	C11orf9 (2.0)	ENSG00000235545 (2
CYP26A1 (1.9)	ABCA6 (1.7)	PGS1 (1.7)	ZHX3 (1.6)	PVRL2 (1.5)
COL4A3BP (2.4)	POLK (2.3)	SORT1 (2.1)	IGF2R (2.1)	CYB561D1 (1.8)
AMIGO1 (1.7)	CELSR2 (1.7)	PVRL2 (1.7)	HNF1A (1.6)	BCAM (1.5)
SLC44A2 (1.8)	EHBP1 (1.8)	HNF4A (1.7)	MYLIP (1.7)	FUT1 (1.6)
CILP2 (1.7)	CLPTM1 (1.6)	ZNF821 (1.5)	FGF21 (1.5)	MAMSTR (1.5)
ZNF513 (2.3)	ZHX3 (2.0)	C17orf57 (2.0)	ATXN1L (1.9)	C11orf9 (1.9)
NFE2L3 (2.5)	EHBP1 (2.5)	C11orf9 (2.4)	TRAM2 (2.3)	ABCA6 (2.3)
CYP26A1 (2.4)	SORT1 (2.3)	AMIGO1 (2.3)	ENSG00000235545 (2	OTX1 (2.0)
CELSR2 (2.3)	R3HDM1 (2.2)	GOT2P1 (2.2)	HAPLN4 (2.1)	HNF1A (1.9)
IZUMO1 (2.1)	RASIP1 (2.0)	LCT (2.0)	ENSG00000226622 (1	SORT1 (1.8)
ENSG00000231204 (2	HAVCR1 (2.3)	OTX1 (2.3)	TBKBP1 (2.3)	FNDC4 (2.3)
NFE2L3 (2.8)	TBKBP1 (2.5)	PBX4 (2.4)	NYNRIN (2.4)	NCAN (2.2)
NUP93 (2.8)	TOP1 (2.7)	NOP58 (2.6)	USP1 (2.4)	PPM1G (2.3)
PSMA5 (2.7)	PARP10 (2.3)	ERGIC3 (1.6)	GSTM4 (1.6)	YSK4 (1.5)
MAP3K4 (3.0)	USP24 (2.8)	NUP93 (2.4)	ATXN1L (2.3)	BUD13 (2.3)
ENSG00000226645 (2	ENSG00000236267 (2	ST3GAL4 (2.0)	LPAR2 (1.9)	CBLC (1.7)
DOCK7 (2.1)	LPIN3 (2.0)	RASIP1 (1.9)	GNAI3 (1.8)	OBP2B (1.7)
PMFBP1 (2.1)	ABCA6 (2.0)	ST3GAL4 (1.8)	ENSG00000244861 (1	POLK (1.8)
TRIM54 (1.7)	GATAD2A (1.6)	ENSG00000236267 (1	NOP58 (1.5)	MAU2 (1.4)
PSRC1 (4.3)	ZRANB3 (2.2)	CEP250 (1.8)	NUP93 (1.8)	SLC44A2 (1.6)
ENSG00000235545 (1	POLK (1.7)	PARP10 (1.7)	ABCA5 (1.6)	IZUMO1 (1.6)
ENSG00000254235 (2	TRIB1 (1.8)	FNDC4 (1.5)	ENSG00000236267 (1	DOCK7 (1.4)
TOP1 (2.7)	UBXN4 (2.7)	USP1 (2.5)	PPM1G (2.5)	DOCK7 (2.5)
CILP2 (2.5)	MAFB (1.7)	GNAT2 (1.6)	GPAM (1.6)	LPA (1.6)
NFE2L3 (2.4)	GRINA (2.3)	ENSG00000256731 (2	ZNF259 (1.8)	MAMSTR (1.8)
KANK2 (2.5)	GATAD2A (2.2)	PLCG1 (2.1)	OTX1 (1.9)	PVR (1.8)
GOT2P1 (1.9)	ZNF821 (1.8)	GATAD2A (1.7)	FUT2 (1.7)	SLC22A3 (1.5)
SMARCA4 (2.0)	DHX38 (1.8)	MAP3K4 (1.8)	SUMO1 (1.7)	FER1L4 (1.6)
ZRANB3 (4.0)	NUP93 (2.3)	KPNB1 (2.1)	DARS (1.8)	PSRC1 (1.8)
USP1 (3.5)	CEP250 (3.0)	GOT2P1 (2.7)	NUP93 (2.3)	PSRC1 (2.1)
SORT1 (2.1)	FUT2 (2.0)	NCAN (1.9)	ZHX3 (1.9)	HNF4A (1.8)
MAU2 (2.3)	ENSG00000254235 (2	COL4A3BP (1.9)	KRTCAP3 (1.9)	ENSG00000231204 (1
MAMSTR (2.1)	SUMO1 (1.9)	TOP1 (1.8)	IST1 (1.7)	NRBP1 (1.6)
MAFB (2.4)	CYP26A1 (2.3)	GDF5 (2.2)	ENSG00000226648 (1	GSTM5 (1.6)
IGF2R (2.0)	GOT2P1 (1.8)	MAFB (1.7)	PVR (1.6)	TRAM2 (1.3)
PLG (2.6)	GRINA (2.1)	SYPL2 (2.0)	SLC22A1 (1.9)	BCAM (1.8)
BCAM (2.9)	OTX1 (2.6)	CELSR2 (2.0)	CYP26A1 (1.8)	TBKBP1 (1.8)
ZNF259 (2.3)	DHX38 (1.8)	SARS (1.8)	TXNL4B (1.7)	LPA (1.6)
GMIP (2.2)	ABCA6 (2.2)	ENSG00000226622 (2	PARP10 (1.9)	TIMD4 (1.4)
NUP93 (3.0)	DOCK7 (2.9)	NPEPPS (2.8)	TOMM40 (2.7)	R3HDM1 (2.7)
PARP10 (2.4)	GNAI3 (1.8)	NFE2L3 (1.6)	TIMD4 (1.6)	ENSG00000236267 (1

GPR61 (2.3)	SPATC1 (2.1)	OBP2B (2.0)	C19orf80 (2.0)	PMFBP1 (1.5)
ENSG00000244861 (2	PPM1G (1.9)	GPR61 (1.8)	ZNF513 (1.8)	PARP10 (1.8)
TRAM2 (1.7)	SLC44A2 (1.7)	ST3GAL4 (1.5)	KRTCAP3 (1.4)	FUT2 (1.4)
TRAM2 (1.7)	SLC44A2 (1.7)	ST3GAL4 (1.5)	KRTCAP3 (1.4)	FUT2 (1.4)
GDF5 (2.0)	BMPR2 (1.8)	POLK (1.8)	PVR (1.7)	TBKBP1 (1.7)
TOP1 (1.9)	ATP13A1 (1.9)	KPNB1 (1.9)	NFE2L3 (1.9)	OTX1 (1.8)
TOP1 (1.8)	KPNB1 (1.8)	APOB (1.7)	PPM1G (1.5)	DHODH (1.4)
OASL (2.6)	MAFB (2.4)	CETP (2.1)	GRINA (2.0)	PVRL2 (1.6)
TM6SF2 (2.2)	MYLIP (2.2)	TRAM2 (2.0)	C11orf9 (2.0)	ATXN7L2 (1.9)
ZNF513 (2.2)	PVR (2.2)	SPATC1 (1.9)	TRAM2 (1.8)	MYLIP (1.7)
SORT1 (2.3)	BCAM (1.9)	ENSG00000226622 (1	TRAM2 (1.8)	LPA (1.4)
TSSK6 (2.4)	GOT2P1 (2.3)	R3HDM1 (2.2)	SPATC1 (2.2)	NYNRIN (2.1)
TSSK6 (2.4)	GOT2P1 (2.3)	R3HDM1 (2.2)	SPATC1 (2.2)	NYNRIN (2.1)
TSSK6 (2.4)	GOT2P1 (2.3)	R3HDM1 (2.2)	SPATC1 (2.2)	NYNRIN (2.1)
SYPL2 (2.3)	TRIM54 (2.3)	HAVCR1 (2.1)	SORT1 (1.6)	BCAM (1.5)
BCAM (2.3)	GATAD2A (1.9)	ENSG00000236436 (1	USP24 (1.8)	DHODH (1.7)
ENSG00000226645 (2	PLEC (2.1)	NPEPPS (2.1)	SARS (1.7)	ZHX3 (1.6)
LPAR2 (2.9)	CELSR2 (2.7)	FUT1 (2.6)	PLEC (2.5)	RAB3GAP1 (2.4)
OTX1 (2.4)	RAB3GAP1 (2.4)	USP1 (2.3)	PVR (2.2)	DARS (1.9)
IZUMO1 (2.6)	ENSG00000228044 (2	ENSG00000231204 (2	PBX4 (2.1)	ENSG00000236267 (2
CELSR2 (2.3)	ENSG00000182329 (2	ENSG00000226806 (1	HAPLN4 (1.9)	NPEPPS (1.9)
IGF2R (2.7)	USP1 (2.7)	PPM1G (2.4)	FEN1 (2.3)	KANK2 (2.0)
GPR61 (1.9)	LPAL2 (1.8)	ZNF821 (1.7)	TM6SF2 (1.4)	SNX17 (1.4)
ENSG00000226622 (3	GOT2P1 (2.2)	DNAH11 (2.0)	GPR61 (1.9)	PMFBP1 (1.6)
PBX4 (2.2)	NCAN (2.1)	ABCA1 (2.1)	GSTM4 (2.0)	AMPD2 (2.0)
TRAM2 (2.1)	GPR61 (2.0)	AMPD2 (1.9)	LIPG (1.9)	CELSR2 (1.6)
RASIP1 (2.6)	PVR (2.5)	DOCK6 (2.2)	ABO (1.7)	FGF21 (1.6)
KANK2 (1.8)	TRAM2 (1.8)	PLEC (1.7)	IGF2R (1.6)	ENSG00000226648 (1
ABCA5 (2.1)	IFT172 (2.0)	ERGIC3 (1.8)	MAU2 (1.7)	GNAT2 (1.6)
GPAM (2.0)	TIMD4 (1.7)	MAFB (1.7)	ABCA1 (1.6)	LPL (1.4)
POLK (2.0)	USP1 (1.9)	PSMA5 (1.7)	AMIGO1 (1.6)	TSSK6 (1.5)
ZRANB3 (4.2)	MAU2 (2.1)	DARS (2.0)	NUP93 (2.0)	ENSG00000228044 (1
FGF21 (2.0)	CYB561D1 (1.6)	ENSG00000226645 (1	GMIP (1.5)	RELB (1.5)
FADS1 (2.1)	RASIP1 (1.9)	ENSG00000226622 (1	ENSG00000226648 (1	RAB3GAP1 (1.7)
NPEPPS (1.9)	ENSG00000236436 (1	FGF21 (1.6)	MYLIP (1.6)	C19orf80 (1.6)
FER1L4 (1.9)	AMIGO1 (1.8)	ENSG00000231204 (1	PBX4 (1.8)	ANGPTL3 (1.6)
PLEC (1.9)	TBKBP1 (1.8)	CETP (1.8)	PLCG1 (1.8)	C17orf57 (1.7)
TRAM2 (2.3)	LPIN3 (2.3)	CYB561D1 (2.1)	AMPD2 (2.0)	SLC44A2 (1.8)
NYNRIN (2.0)	IGF2R (1.9)	TBKBP1 (1.6)	MAMSTR (1.3)	FUT2 (1.3)
CYP26A1 (1.6)	GPR61 (1.6)	RASIP1 (1.6)	ENSG00000254235 (1	TOMM40 (1.5)
CARM1 (2.2)	FGF21 (1.9)	TOMM40 (1.9)	KANK2 (1.8)	SMARCA4 (1.7)
CYP26A1 (2.3)	BCAM (2.3)	MAFB (1.8)	CELSR2 (1.8)	ERGIC3 (1.6)
GNAI3 (2.1)	NRBP1 (1.8)	RASIP1 (1.8)	FNDC4 (1.7)	CELSR2 (1.7)
LIPG (2.2)	LPAR2 (2.1)	LPIN3 (2.0)	ST3GAL4 (2.0)	CELSR2 (1.9)
BCAM (3.2)	SYPL2 (2.7)	BMPR2 (2.1)	GNAI3 (2.1)	KRTCAP3 (2.1)
ZRANB3 (2.8)	TOP1 (2.6)	MAFB (2.6)	CEP250 (2.4)	DARS (2.2)
GOT2P1 (2.0)	BUD13 (1.8)	ATXN7L2 (1.8)	BMPR2 (1.8)	SMARCA4 (1.7)
GOT2P1 (2.0)	BUD13 (1.8)	ATXN7L2 (1.8)	BMPR2 (1.8)	SMARCA4 (1.7)
ENSG00000256731 (2	C19orf52 (1.9)	AMIGO1 (1.8)	MAMSTR (1.6)	ENSG00000254235 (1
ZRANB3 (3.2)	CEP250 (2.4)	NUP93 (2.4)	PPM1G (1.9)	GOT2P1 (1.8)

ZRANB3 (3.2)	CEP250 (2.4)	NUP93 (2.4)	PPM1G (1.9)	GOT2P1 (1.8)
ERGIC3 (2.4)	AMPD2 (2.3)	GNAI3 (2.3)	PSMA5 (2.1)	SUMO1 (2.1)
ENSG00000236436 (2	ST3GAL4 (1.6)	ENSG00000235545 (1	CETP (1.5)	OBP2B (1.5)
ENSG00000236436 (2	ST3GAL4 (1.6)	ENSG00000235545 (1	CETP (1.5)	OBP2B (1.5)
PLEC (3.4)	CARM1 (1.8)	CEP250 (1.6)	CBLC (1.4)	GMIP (1.4)
SARS (2.3)	IST1 (2.3)	NRBP1 (2.0)	IFT172 (2.0)	GNAT2 (1.9)
C19orf52 (2.5)	PSMA5 (2.5)	ZNF821 (2.3)	IST1 (2.2)	ZHX3 (2.1)
ATP13A1 (2.6)	CLPTM1 (2.1)	UBXN4 (1.9)	C19orf52 (1.6)	ABCA6 (1.3)
ATP13A1 (2.6)	CLPTM1 (2.1)	UBXN4 (1.9)	C19orf52 (1.6)	ABCA6 (1.3)
SYPL2 (3.0)	ATXN7L2 (2.4)	PMFBP1 (2.1)	ENSG00000226806 (2	CILP2 (1.9)
ZNF821 (1.6)	OBP2B (1.4)	HAPLN4 (1.3)	FER1L4 (1.3)	MYLIP (1.2)
DOCK6 (2.2)	ZNF513 (2.2)	TRAM2 (1.9)	LPIN3 (1.9)	OTX1 (1.8)
IST1 (2.8)	DARS (2.3)	COL4A3BP (2.2)	NRBP1 (1.9)	PPM1G (1.9)
YIPF2 (2.8)	IST1 (2.7)	NRBP1 (2.7)	ZNF259 (2.5)	ERGIC3 (2.3)
GSTM5 (2.3)	SUMO1 (2.2)	APOB (2.1)	SLC22A2 (2.0)	APOC3 (2.0)
KRTCAP3 (2.0)	ENSG00000256731 (1	SPATC1 (1.8)	ENSG00000226806 (1	SLC22A3 (1.6)
GSTM4 (1.7)	ENSG00000235545 (1	CYB561D1 (1.7)	TSSK6 (1.5)	AMIGO1 (1.4)
NUP93 (2.2)	ENSG00000182329 (2	IFT172 (2.2)	AMIGO1 (2.1)	SMARCA4 (2.1)
NCAN (2.1)	ABCG5 (1.9)	C19orf80 (1.9)	FUT1 (1.7)	MYLIP (1.7)
SUMO1 (2.2)	YSK4 (2.0)	CLPTM1 (2.0)	ZNF821 (2.0)	CARM1 (2.0)
LPL (2.7)	HP (2.4)	BCAM (2.0)	EHBP1 (2.0)	IGF2R (2.0)
BCAM (1.8)	LIPG (1.8)	PVR (1.8)	ENSG00000226648 (1	PBX4 (1.6)
OBP2B (2.2)	SLC44A2 (2.0)	ABO (1.9)	ENSG00000236436 (1	OTX1 (1.9)
OBP2B (2.2)	SLC44A2 (2.0)	ABO (1.9)	ENSG00000236436 (1	OTX1 (1.9)
FGF21 (2.0)	ABCG5 (1.8)	LPA (1.8)	ABCA5 (1.7)	POLK (1.7)
GDF5 (2.4)	ATXN1L (1.9)	YSK4 (1.7)	SLC22A3 (1.6)	ABO (1.6)
DHODH (2.1)	ENSG00000226645 (2	TM6SF2 (2.0)	C19orf52 (1.9)	GPAM (1.7)
HAVCR1 (2.3)	APOE (2.0)	SLC22A3 (1.7)	SLC44A2 (1.7)	MAFB (1.6)
IGF2R (1.9)	UBXN4 (1.8)	KANK2 (1.8)	CYP26A1 (1.8)	EHBP1 (1.7)
TOMM40 (2.5)	SNX17 (2.3)	ZNF259 (2.0)	CEP250 (1.9)	DHODH (1.8)
RELB (2.3)	MAU2 (2.3)	MAP3K4 (2.2)	PARP10 (2.1)	LPAR2 (2.1)
SLC22A2 (2.5)	GDF5 (2.4)	ATXN1L (2.2)	OBP2B (1.9)	AMIGO1 (1.9)
CILP2 (2.0)	MYLIP (1.7)	ENSG00000182329 (1	PSRC1 (1.5)	OASL (1.5)
KRTCAP3 (1.7)	ABCA6 (1.6)	YSK4 (1.6)	TBKBP1 (1.5)	DNAH11 (1.4)
TRAM2 (1.8)	TRIB1 (1.6)	NFE2L3 (1.5)	GRINA (1.4)	SLC22A2 (1.3)
PVR (2.4)	POLK (2.3)	COL4A3BP (2.0)	SORT1 (1.8)	MAU2 (1.7)
HNF4A (1.9)	LIPG (1.8)	NCAN (1.6)	SORT1 (1.6)	NYNRIN (1.5)
NOP58 (2.5)	ATXN1L (2.4)	DHX38 (2.3)	TOMM40 (2.3)	ABO (2.3)
ZRANB3 (3.5)	CEP250 (3.0)	NUP93 (2.6)	POC5 (2.6)	PSRC1 (2.5)
NYNRIN (2.4)	MAMSTR (2.4)	CYP26A1 (2.4)	TRAM2 (1.8)	PMFBP1 (1.6)
PCSK9 (2.3)	PBX4 (2.2)	GSTM5 (2.0)	PLCG1 (1.6)	PLG (1.5)
SUGP1 (2.9)	USP1 (2.8)	NOP58 (2.8)	PPM1G (2.7)	GNAI3 (2.5)
GPR61 (2.0)	PARP10 (1.7)	ABCA5 (1.7)	HAVCR1 (1.6)	ENSG00000256731 (1
RASIP1 (2.2)	FUT2 (2.0)	MAFB (1.9)	SNX17 (1.9)	TIMD4 (1.8)
KANK2 (1.9)	LPIN3 (1.9)	MAP3K4 (1.9)	TRIM54 (1.9)	RASIP1 (1.8)
NUP93 (2.9)	SNX17 (2.2)	SARS (1.9)	C19orf52 (1.9)	IST1 (1.7)
CILP2 (2.4)	MAMSTR (2.4)	SLC22A3 (2.3)	ATXN7L2 (1.9)	LPAL2 (1.9)
ENSG00000235545 (2	APOA4 (2.0)	ABCG5 (1.9)	DOCK7 (1.8)	ATXN1L (1.8)
TRIB1 (1.7)	ENSG00000228044 (1	MAFB (1.7)	PMFBP1 (1.5)	ABCA6 (1.5)
C19orf52 (1.9)	ENSG00000226622 (1	ZRANB3 (1.6)	CBLC (1.6)	IST1 (1.6)

FUT1 (1.7)	NRBP1 (1.6)	TBKBP1 (1.5)	USP24 (1.5)	CEP250 (1.4)
ABO (1.9)	ATXN7L2 (1.9)	CARM1 (1.9)	FUT1 (1.6)	ZNF513 (1.6)
OASL (2.2)	ENSG00000226645 (1	GATAD2A (1.7)	NFE2L3 (1.7)	SUGP1 (1.6)
NRBP1 (2.6)	SMARCA4 (2.2)	CARM1 (2.1)	MAU2 (2.0)	SORT1 (1.9)
ENSG00000244861 (2	ZNF821 (1.9)	ENSG00000256731 (1	TRIB1 (1.8)	ABCA1 (1.8)
CARM1 (1.8)	PLCG1 (1.7)	GDF5 (1.7)	ENSG00000236267 (1	MAFB (1.6)
NYNRIN (2.0)	TRIB1 (1.9)	MAMSTR (1.9)	ENSG00000244861 (1	GDF5 (1.7)
RELB (2.0)	ATP13A1 (1.7)	PBX4 (1.5)	LCT (1.4)	CETP (1.4)
LPL (2.3)	NYNRIN (2.1)	ZRANB3 (2.1)	PLEC (2.0)	TBKBP1 (1.9)
SLC22A2 (2.1)	ATXN1L (1.9)	CELSR2 (1.8)	OBP2B (1.8)	LPAR2 (1.7)
MAMSTR (2.3)	NYNRIN (1.7)	MAFB (1.7)	ENSG00000236436 (1	TBKBP1 (1.6)
HNF1A (2.4)	ATXN1L (2.1)	IGF2R (2.1)	KANK2 (2.1)	ENSG00000256731 (1
KRTCAP3 (2.3)	CBLC (2.3)	FUT1 (2.2)	C17orf57 (2.0)	ATXN1L (2.0)
RELB (2.0)	PGS1 (2.0)	RAB3GAP1 (2.0)	LPAR2 (1.8)	CARM1 (1.8)
AMPD2 (2.2)	PPM1G (2.0)	MAU2 (2.0)	OBP2B (1.9)	ENSG00000226648 (1
HAVCR1 (1.8)	YIPF2 (1.7)	CILP2 (1.6)	GSTM4 (1.4)	ENSG00000226806 (1
DOCK7 (2.4)	USP24 (2.2)	MAP3K4 (2.1)	IST1 (2.1)	ENSG00000226648 (2
CARM1 (2.0)	ATXN7L2 (1.8)	TOMM40 (1.8)	GSTM5 (1.7)	GRINA (1.7)
NYNRIN (2.4)	MAFB (2.3)	NCAN (1.3)	PLCG1 (1.2)	CBLC (1.2)
CYP26A1 (2.8)	NYNRIN (1.8)	GDF5 (1.7)	GOT2P1 (1.6)	FER1L4 (1.5)
FER1L4 (2.0)	ABO (2.0)	PCSK9 (1.9)	LPL (1.9)	ENSG00000182329 (1
LPIN3 (1.6)	PLEC (1.5)	FADS1 (1.4)	LPL (1.3)	BCAM (1.2)
LPIN3 (2.6)	ST3GAL4 (2.5)	SLC44A2 (2.3)	CYB561D1 (2.2)	PVRL2 (1.8)
CEP250 (3.0)	USP1 (2.5)	POC5 (2.2)	PSRC1 (2.1)	C17orf57 (1.6)
ATP13A1 (2.9)	CLPTM1 (2.4)	UBXN4 (1.8)	C19orf52 (1.5)	GNAT2 (1.3)
IZUMO1 (2.1)	FER1L4 (1.9)	CETP (1.8)	FUT1 (1.7)	PGS1 (1.5)
PPM1G (2.7)	SNX17 (2.5)	PSMA5 (2.4)	CLPTM1 (2.4)	NUP93 (1.9)
MAU2 (2.5)	DHX38 (2.2)	YIPF2 (2.1)	GRINA (2.1)	PBX4 (2.0)
RELB (2.3)	ENSG00000226622 (2	SMARCA4 (2.2)	KPNB1 (2.2)	NUP93 (2.2)
SUGP1 (2.5)	MCM6 (2.5)	ENSG00000256731 (1	NOP58 (1.8)	SNX17 (1.8)
ZNF513 (2.1)	PBX4 (1.9)	PPM1G (1.8)	SNX17 (1.7)	CARM1 (1.6)
TM6SF2 (2.5)	NPEPPS (2.5)	ENSG00000226645 (2	LCT (2.4)	MAU2 (2.4)
LPAR2 (1.9)	ST3GAL4 (1.9)	ENSG00000228044 (1	GNAI3 (1.8)	UBXN4 (1.6)
UBXN4 (2.3)	HAPLN4 (2.1)	RAB3GAP1 (2.0)	ATP13A1 (1.9)	SLC44A2 (1.8)
ENSG00000226648 (2	GDF5 (1.8)	CELSR2 (1.8)	RP1 (1.7)	GNAT2 (1.6)
ZNF821 (2.4)	LPL (2.1)	BCAM (1.9)	PVRL2 (1.8)	ABCA1 (1.7)
ERGIC3 (1.6)	GATAD2A (1.6)	GNAT2 (1.6)	CLPTM1 (1.5)	ENSG00000244861 (1
IGF2R (2.0)	BCAM (1.7)	HAVCR1 (1.6)	HP (1.5)	FER1L4 (1.5)
SLC22A1 (2.2)	LPAL2 (2.2)	FEN1 (1.7)	APOA5 (1.7)	MCM6 (1.6)
GRINA (2.3)	FUT2 (1.9)	NRBP1 (1.9)	PVR (1.9)	TOMM40 (1.9)
NUP93 (2.6)	ZRANB3 (2.6)	MAP3K4 (2.5)	MCM6 (2.4)	MAU2 (2.4)
PARP10 (3.0)	ST3GAL4 (2.3)	BUD13 (2.2)	MAU2 (2.0)	ATP13A1 (1.9)
COL4A3BP (2.4)	IGF2R (2.0)	SLC22A3 (2.0)	HAPLN4 (1.8)	CARM1 (1.6)
RASIP1 (2.6)	IGF2R (2.6)	LPL (2.6)	SLC44A2 (2.2)	CILP2 (2.2)
CYB561D1 (2.2)	CLPTM1 (2.2)	GRINA (2.1)	NFE2L3 (2.0)	NRBP1 (1.9)
DHODH (2.3)	NRBP1 (2.2)	PARP10 (2.0)	SNX17 (2.0)	BCAM (1.9)
KPNB1 (2.0)	SUGP1 (1.9)	DARS (1.8)	SARS (1.8)	C12orf43 (1.6)
PPM1G (2.5)	MAP3K4 (2.4)	BUD13 (2.4)	DARS (2.2)	DHX38 (2.2)
PGS1 (2.0)	GMIP (1.6)	ENSG00000226806 (1	APOE (1.3)	ABO (1.2)
R3HDM1 (2.3)	GPR61 (2.3)	HAVCR1 (2.2)	OBP2B (1.9)	NCAN (1.7)

SLC22A3 (2.4)	ABO (2.4)	APOA4 (2.1)	FNDC4 (2.0)	HNF4A (1.8)
ZRANB3 (3.5)	CEP250 (2.3)	NUP93 (2.3)	PPM1G (1.8)	ENSG00000235545 (1
DOCK7 (2.3)	USP24 (2.2)	HAVCR1 (1.8)	PCSK9 (1.8)	IGF2R (1.8)
CILP2 (2.2)	APOE (1.8)	MYLIP (1.8)	LIPG (1.7)	CETP (1.6)
ZRANB3 (4.7)	NUP93 (2.6)	CEP250 (2.3)	NOP58 (2.0)	ENSG00000235545 (1
KPNB1 (2.1)	GNAI3 (1.9)	PVR (1.8)	RELB (1.8)	C12orf43 (1.7)
ABO (2.2)	OBP2B (1.8)	LPAL2 (1.8)	ENSG00000231204 (1	LIPG (1.6)
ABCA1 (2.6)	ENSG00000236267 (2	PVRL2 (2.5)	SLC22A3 (2.4)	NYNRIN (2.3)
SPATC1 (2.7)	ENSG00000231204 (2	GSTM5 (2.1)	OBP2B (1.7)	ZNF513 (1.6)
IFT172 (2.2)	ZNF259 (2.2)	UBXN4 (2.1)	TOMM40 (2.1)	FER1L4 (1.8)
NFE2L3 (2.1)	ENSG00000254235 (2	LPAL2 (1.7)	OBP2B (1.6)	EHBP1 (1.6)
COL4A3BP (1.6)	SYPL2 (1.6)	AMIGO1 (1.6)	OBP2B (1.6)	GRINA (1.5)
TOP1 (2.9)	DHX38 (2.9)	USP1 (2.6)	NOP58 (2.5)	PPM1G (2.4)
ATP13A1 (2.2)	HNF4A (2.1)	NCAN (2.1)	RP1 (2.0)	HAPLN4 (1.9)
ATXN1L (2.9)	PLEC (2.8)	APOC3 (2.7)	APOB (2.6)	TM6SF2 (2.5)
SYPL2 (2.0)	MAMSTR (2.0)	HNF1A (1.7)	COL4A3BP (1.7)	ABCA5 (1.6)
PCSK9 (1.8)	MYLIP (1.8)	FADS1 (1.7)	ABO (1.6)	CEP250 (1.6)
APOE (2.1)	RP1 (2.0)	LPL (1.9)	NPEPPS (1.9)	OASL (1.8)
GOT2P1 (2.2)	TOMM40 (2.1)	PLCG1 (2.0)	C17orf57 (1.9)	DARS (1.9)
GPAM (1.9)	NCAN (1.8)	HMGCR (1.8)	OBP2B (1.8)	ERGIC3 (1.7)
GRINA (2.0)	MYLIP (2.0)	MAU2 (2.0)	SMARCA4 (1.9)	NRBP1 (1.9)
DHX38 (2.8)	SUGP1 (2.7)	NOP58 (2.6)	USP1 (2.6)	PPM1G (2.5)
SMARCA4 (2.6)	DARS (2.2)	KANK2 (2.1)	SNX17 (2.0)	PPM1G (2.0)
ATXN1L (2.4)	ENSG00000226645 (2	DOCK7 (2.2)	TRAM2 (2.2)	LPAL2 (2.1)
NFE2L3 (2.0)	POLK (1.6)	SPATC1 (1.5)	GMIP (1.5)	KRTCAP3 (1.4)
CBLC (2.9)	KRTCAP3 (2.5)	FUT2 (2.2)	AMPD2 (1.7)	SORT1 (1.6)
LDLR (2.4)	FUT2 (2.3)	IGF2R (2.0)	GNAT2 (2.0)	LIPG (1.9)
MCM6 (2.9)	DHX38 (2.8)	DARS (2.8)	PLEC (2.7)	NUP93 (2.5)
TRIM54 (1.9)	GPAM (1.9)	COL4A3BP (1.8)	ENSG00000228044 (1	RAB3GAP1 (1.7)
ENSG00000226645 (1	PGS1 (1.7)	NFE2L3 (1.6)	PBX4 (1.4)	GSTM5 (1.3)
R3HDM1 (2.1)	PVR (2.0)	ATP13A1 (2.0)	TOMM40 (1.9)	NOP58 (1.8)
ATP13A1 (1.8)	ENSG00000228044 (1	KRTCAP3 (1.7)	CYB561D1 (1.6)	SUGP1 (1.3)
ATP13A1 (1.8)	ENSG00000228044 (1	KRTCAP3 (1.7)	CYB561D1 (1.6)	SUGP1 (1.3)
CYP26A1 (2.6)	BCAM (2.5)	CBLC (2.5)	FNDC4 (2.3)	ABCA6 (2.3)
ZRANB3 (2.9)	NUP93 (2.2)	CEP250 (1.9)	BUD13 (1.8)	POC5 (1.8)
ZRANB3 (2.9)	NUP93 (2.2)	CEP250 (1.9)	BUD13 (1.8)	POC5 (1.8)
SUMO1 (1.5)	AMIGO1 (1.4)	LPIN3 (1.3)	NYNRIN (1.3)	CYB561D1 (1.3)
SORT1 (2.5)	HP (2.3)	ABCA5 (2.1)	LCT (1.7)	LIPG (1.6)
PVR (2.5)	IGF2R (2.3)	TRAM2 (2.2)	BMPR2 (2.1)	DOCK6 (2.0)
HAPLN4 (2.3)	GPR61 (2.2)	ENSG00000182329 (2	SYPL2 (1.9)	NCAN (1.8)
LPL (2.0)	SLC22A3 (1.8)	ENSG00000236267 (1	ENSG00000226648 (1	EHBP1 (1.5)
ATXN1L (2.9)	ZNF821 (2.8)	TOP1 (2.5)	RAB3GAP1 (2.2)	DHX38 (2.2)
OBP2B (2.2)	ABO (2.0)	PARP10 (2.0)	PBX4 (1.9)	TBKBP1 (1.7)
FADS2 (2.5)	ENSG00000244861 (2	ENSG00000226645 (2	NCAN (2.0)	BUD13 (2.0)
FGF21 (2.4)	DOCK6 (2.2)	ENSG00000236436 (1	ATP13A1 (1.8)	ENSG00000244861 (1
DHODH (1.9)	TRIM54 (1.8)	PMFBP1 (1.8)	ST3GAL4 (1.8)	SLC44A2 (1.8)
ENSG00000236436 (1	ABO (1.7)	NYNRIN (1.6)	ZNF821 (1.5)	TBKBP1 (1.2)
MCM6 (2.5)	ENSG00000236267 (2	FEN1 (2.0)	NUP93 (1.9)	KANK2 (1.7)
CYP26A1 (2.5)	EHBP1 (2.5)	ABCG5 (2.3)	SLC22A1 (2.1)	FADS2 (2.0)
CILP2 (1.7)	LPL (1.7)	ENSG00000228044 (1	GOT2P1 (1.5)	ABO (1.5)

ST3GAL4 (2.2)	IZUMO1 (2.2)	OBP2B (2.1)	MAP3K4 (1.8)	EHBP1 (1.7)
TRIM54 (2.8)	IZUMO1 (2.1)	TBKBP1 (1.8)	FNDC4 (1.6)	ZNF821 (1.6)
TRIM54 (2.8)	IZUMO1 (2.1)	TBKBP1 (1.8)	FNDC4 (1.6)	ZNF821 (1.6)
NFE2L3 (1.9)	POLK (1.8)	GMIP (1.5)	FER1L4 (1.5)	IZUMO1 (1.4)
SNX17 (2.5)	GNAI3 (2.3)	PARP10 (2.1)	CEP250 (2.0)	KPNB1 (2.0)
GPR61 (2.0)	PBX4 (1.7)	ENSG00000228044 (1	SLC22A1 (1.4)	NFE2L3 (1.4)
RASIP1 (2.1)	KPNB1 (2.0)	ZNF513 (2.0)	ABCA6 (1.8)	DOCK7 (1.7)
BMPR2 (2.3)	DOCK6 (2.0)	LIPG (1.6)	CELSR2 (1.6)	CYP26A1 (1.5)
TXNL4B (2.5)	NOP58 (2.3)	TOMM40 (2.1)	GOT2P1 (2.0)	C19orf52 (1.9)
CLPTM1 (2.3)	ENSG00000226622 (2	TRIB1 (2.0)	EHBP1 (1.8)	TOMM40 (1.7)
GDF5 (2.1)	RASIP1 (2.1)	CYP26A1 (1.8)	PLEC (1.7)	NCAN (1.6)
PARP10 (1.9)	TIMD4 (1.9)	CETP (1.9)	HAVCR1 (1.9)	ABCA6 (1.7)
TRIB1 (3.0)	ABCA5 (2.9)	PLEC (2.2)	AMIGO1 (2.1)	GSTM4 (1.8)
RASIP1 (2.3)	COL4A3BP (2.1)	MAU2 (1.8)	ATXN7L2 (1.6)	PMFBP1 (1.6)
YIPF2 (2.6)	ERGIC3 (2.5)	CELSR2 (2.4)	PCSK9 (2.2)	BCAM (1.8)
KANK2 (2.6)	OBP2B (2.3)	C17orf57 (2.3)	KRTCAP3 (1.5)	LPAL2 (1.3)
KANK2 (1.9)	C11orf9 (1.8)	AMPD2 (1.7)	GOT2P1 (1.7)	ENSG00000244861 (1
OTX1 (1.7)	MAFB (1.7)	TRIB1 (1.6)	ENSG00000226648 (1	IGF2R (1.5)
TRAM2 (2.9)	NRBP1 (2.3)	ATP13A1 (2.2)	SLC44A2 (2.0)	GNAT2 (1.8)
CYP26A1 (2.0)	PVR (2.0)	BCAM (1.8)	CILP2 (1.8)	DOCK6 (1.5)
FADS2 (1.5)	OBP2B (1.5)	R3HDM1 (1.5)	FADS1 (1.4)	ENSG00000226622 (1
ENSG00000228044 (2	TRIB1 (2.2)	COL4A3BP (2.0)	GRINA (2.0)	RAB3GAP1 (1.6)
FER1L4 (1.8)	ENSG00000226648 (1	LPAL2 (1.5)	SPATC1 (1.4)	YSK4 (1.4)
DHX38 (2.9)	NOP58 (2.7)	PPM1G (2.7)	DARS (2.2)	USP1 (2.2)
TRAM2 (2.3)	TSSK6 (2.3)	CBLC (2.3)	OTX1 (2.2)	CYP26A1 (1.9)
GCKR (2.5)	TXNL4B (2.4)	SPATC1 (2.2)	HAVCR1 (2.0)	AMIGO1 (2.0)
POC5 (2.1)	ZNF821 (2.0)	POLK (2.0)	BMPR2 (1.8)	PLCG1 (1.7)
MAP3K4 (2.7)	BUD13 (2.7)	PPM1G (2.2)	DHX38 (2.1)	USP1 (2.0)
ENSG00000228044 (1	ATP13A1 (1.8)	KRTCAP3 (1.7)	CYB561D1 (1.7)	SUGP1 (1.3)
ABCA1 (2.0)	TIMD4 (1.9)	NCAN (1.8)	MYLIP (1.6)	PVR (1.6)
NPEPPS (2.0)	GOT2P1 (1.7)	MAP3K4 (1.7)	PSMA5 (1.7)	IZUMO1 (1.6)
PVR (2.1)	SORT1 (2.1)	ENSG00000244861 (2	GMIP (2.0)	MAU2 (1.9)
HNF4A (1.8)	UBXN4 (1.7)	PCSK9 (1.7)	YIPF2 (1.7)	C19orf80 (1.6)
ERGIC3 (2.6)	UBXN4 (2.2)	MAMSTR (1.9)	GNAI3 (1.8)	CEP250 (1.7)
ZHX3 (2.0)	IST1 (1.8)	LPIN3 (1.8)	RASIP1 (1.7)	TRIM54 (1.6)
HAPLN4 (1.8)	ABCA6 (1.7)	ENSG00000226806 (1	ENSG00000235545 (1	NFE2L3 (1.4)
RASIP1 (1.8)	ENSG00000236267 (1	TM6SF2 (1.7)	LPAL2 (1.6)	ZNF821 (1.3)
LDLR (2.4)	IFT172 (2.4)	GSTM5 (2.3)	GDF5 (2.1)	IGF2R (2.0)
NYNRIN (1.9)	BCAM (1.8)	C11orf9 (1.7)	CYP26A1 (1.7)	PVRL2 (1.7)
DHX38 (2.2)	SUMO1 (2.0)	PSMA5 (1.9)	BUD13 (1.9)	PPM1G (1.7)
ZRANB3 (3.8)	NUP93 (2.5)	CEP250 (2.4)	PPM1G (1.8)	ENSG00000228044 (1
HAPLN4 (2.2)	LIPC (1.8)	ABO (1.8)	SPATC1 (1.7)	PVR (1.7)
ATXN1L (2.1)	MAFB (2.1)	SLC22A3 (2.0)	APOC1 (1.9)	IST1 (1.9)
CYP26A1 (1.7)	SPATC1 (1.7)	SUMO1 (1.6)	MYLIP (1.4)	SLC44A2 (1.4)
GRINA (2.6)	APOC1 (2.6)	MAFB (2.0)	LPAR2 (1.7)	ABCA1 (1.7)
IFT172 (2.5)	NYNRIN (2.5)	EHBP1 (2.5)	SLC22A2 (2.3)	ZRANB3 (2.1)
ENSG00000226806 (2	TXNL4B (2.5)	ENSG00000228044 (2	AMPD2 (2.3)	DARS (1.7)
LPAL2 (1.7)	PMFBP1 (1.7)	ABO (1.6)	AMPD2 (1.5)	TM6SF2 (1.5)
C11orf9 (2.7)	OTX1 (2.5)	HAPLN4 (2.2)	AMPD2 (1.7)	ABCA1 (1.7)
GMIP (2.3)	POLK (2.1)	SORT1 (2.1)	IGF2R (2.1)	GNAI3 (1.6)

ERGIC3 (1.9)	CLPTM1 (1.8)	ABCA5 (1.8)	GNAI3 (1.8)	ENSG00000236436 (1
FUT2 (1.7)	MAFB (1.6)	BUD13 (1.5)	SNX17 (1.4)	ERGIC3 (1.3)
USP1 (3.5)	ZRANB3 (2.2)	PPM1G (1.7)	ZNF821 (1.7)	PSRC1 (1.7)
GMIP (2.3)	COL4A3BP (2.1)	PVRL2 (2.0)	CARM1 (2.0)	PLEC (1.8)
UBXN4 (2.6)	ENSG00000235545 (2	PSMA5 (2.4)	TOMM40 (2.3)	NUP93 (2.2)
MCM6 (1.9)	MAFB (1.9)	PVRL2 (1.9)	GDF5 (1.9)	PVR (1.8)
SUGP1 (2.7)	GATAD2A (2.6)	NOP58 (2.4)	SPATC1 (2.2)	SMARCA4 (2.2)
BCAM (2.0)	ENSG00000256731 (2	NYNRIN (2.0)	C12orf43 (1.7)	C11orf9 (1.7)
ZRANB3 (4.2)	NUP93 (2.5)	CEP250 (2.2)	KPNB1 (2.0)	SUMO1 (1.6)
PLEC (2.5)	C17orf57 (2.3)	CBLC (2.1)	FUT1 (2.0)	RASIP1 (2.0)
IZUMO1 (2.2)	MYLIP (2.1)	SLC22A2 (2.0)	ENSG00000236436 (1	SPATC1 (1.7)
NRBP1 (1.5)	SLC44A2 (1.5)	IFT172 (1.5)	AMPD2 (1.4)	NUP93 (1.3)
ENSG00000226806 (2	TOP1 (2.0)	LPAL2 (1.9)	BUD13 (1.8)	DARS (1.8)
ZNF513 (2.5)	HNF4A (2.1)	YSK4 (2.1)	LPAR2 (2.1)	HNF1A (1.8)
ZRANB3 (3.6)	NUP93 (2.4)	ENSG00000228044 (2	GOT2P1 (1.8)	CEP250 (1.7)
FNDC4 (2.0)	LPL (2.0)	CETP (1.8)	C11orf9 (1.7)	BMPR2 (1.7)
TRAM2 (2.2)	SARS (2.1)	PLCG1 (2.0)	IGF2R (2.0)	ABCG8 (1.8)
HAVCR1 (2.2)	GMIP (2.1)	SMARCA4 (2.1)	PBX4 (2.0)	MAU2 (1.9)
HAVCR1 (2.1)	TSSK6 (2.0)	ZNF821 (1.9)	PMFBP1 (1.8)	OBP2B (1.7)
RAB3GAP1 (1.9)	ENSG00000226806 (1	ENSG00000231204 (1	ENSG00000244861 (1	CARM1 (1.6)
GSTM4 (2.2)	FADS1 (1.9)	FADS2 (1.9)	CLPTM1 (1.7)	C19orf80 (1.7)
ENSG00000228044 (2	IFT172 (2.3)	IZUMO1 (2.1)	ENSG00000226806 (2	EHBP1 (2.0)
C19orf52 (1.8)	MCM6 (1.8)	FEN1 (1.8)	SNX17 (1.7)	DHX38 (1.6)
ATP13A1 (1.8)	C19orf52 (1.5)	TRAM2 (1.4)	FEN1 (1.4)	ENSG00000254235 (1
DARS (2.8)	IST1 (2.5)	ZNF259 (2.5)	SNX17 (2.0)	MAP3K4 (1.9)
PMFBP1 (1.9)	MAP3K4 (1.7)	ENSG00000228044 (1	KPNB1 (1.7)	GPR61 (1.6)
FNDC4 (2.2)	CILP2 (2.1)	EHBP1 (1.8)	BCAM (1.7)	LPAR2 (1.6)
LPL (2.9)	LCT (2.2)	OBP2B (2.2)	ENSG00000256731 (2	C17orf57 (1.9)
APOE (2.4)	ENSG00000226806 (2	SNX17 (2.1)	TIMD4 (2.1)	CLPTM1 (1.8)
NFE2L3 (1.9)	POLK (1.8)	FER1L4 (1.7)	GMIP (1.6)	IZUMO1 (1.5)
GPR61 (2.1)	ENSG00000236436 (1	ZHX3 (1.7)	ENSG00000226645 (1	AMIGO1 (1.6)
HP (2.1)	PMFBP1 (2.0)	GMIP (2.0)	C11orf9 (1.9)	SLC22A3 (1.9)
FADS2 (2.3)	DNAH11 (2.1)	GSTM5 (2.0)	GPAM (1.9)	FADS1 (1.8)
ENSG00000236267 (2	ENSG00000231204 (1	C19orf52 (1.8)	OBP2B (1.7)	GOT2P1 (1.6)
USP24 (2.4)	DHODH (2.3)	KPNB1 (2.3)	DOCK7 (2.2)	POC5 (2.0)
ENSG00000226622 (1	CARM1 (1.6)	IFT172 (1.6)	BUD13 (1.5)	OBP2B (1.5)
ANGPTL3 (2.0)	ENSG00000231204 (1	DNAH11 (1.9)	PMFBP1 (1.6)	SYPL2 (1.6)
GRINA (1.8)	IGF2R (1.8)	BCAM (1.7)	PLEC (1.6)	NYNRIN (1.6)
NOP58 (3.2)	ATP13A1 (2.8)	UBXN4 (2.8)	PPM1G (2.8)	GATAD2A (2.7)
PLEC (2.3)	NPEPPS (2.1)	EHBP1 (2.0)	NRBP1 (2.0)	LPAR2 (1.9)
APOA4 (2.8)	PVR (2.7)	TM6SF2 (2.6)	TXNL4B (2.4)	APOC3 (2.2)
USP1 (3.2)	CEP250 (2.9)	KPNB1 (2.5)	NUP93 (2.5)	POC5 (2.5)
NRBP1 (2.5)	TOP1 (2.2)	PPM1G (2.1)	PLEC (2.0)	PLCG1 (1.8)
RELB (2.0)	FEN1 (1.8)	GATAD2A (1.7)	PBX4 (1.6)	DARS (1.6)
MAMSTR (2.3)	CILP2 (2.1)	ATXN7L2 (2.1)	GDF5 (2.0)	AMIGO1 (1.7)
RAB3GAP1 (2.5)	PPM1G (2.5)	SUMO1 (2.5)	NOP58 (2.4)	NRBP1 (2.3)
FEN1 (2.1)	ENSG00000182329 (1	TRAM2 (1.8)	UBXN4 (1.8)	KRTCAP3 (1.8)
SORT1 (2.3)	CYP26A1 (2.2)	EHBP1 (2.1)	OBP2B (1.8)	ST3GAL4 (1.6)
LPAR2 (2.1)	ENSG00000231204 (1	HNF1A (1.8)	SPATC1 (1.7)	KRTCAP3 (1.6)
TOMM40 (3.1)	NUP93 (2.7)	NRBP1 (2.7)	PSMA5 (2.4)	C12orf43 (2.3)

TRIM54 (2.0)	SLC44A2 (2.0)	GNAI3 (1.8)	POLK (1.4)	FUT2 (1.3)
USP24 (1.7)	PGS1 (1.6)	LDLR (1.6)	PLEC (1.6)	SARS (1.4)
ZRANB3 (4.2)	CEP250 (3.3)	PSRC1 (2.4)	NUP93 (1.9)	PPM1G (1.7)
NCAN (2.7)	ENSG00000226622 (2	ZNF821 (1.8)	PLCG1 (1.8)	ENSG00000226645 (1
CEP250 (2.4)	SMARCA4 (2.3)	KPNB1 (2.2)	DOCK7 (2.1)	CARM1 (2.0)
IGF2R (2.3)	GMIP (2.1)	POLK (2.1)	PVR (1.9)	SORT1 (1.9)
NRBP1 (2.0)	PSMA5 (1.6)	SNX17 (1.5)	UBXN4 (1.4)	GDF5 (1.4)
OASL (1.7)	DHODH (1.7)	SNX17 (1.5)	C12orf43 (1.5)	PBX4 (1.5)
OASL (1.7)	DHODH (1.7)	SNX17 (1.5)	C12orf43 (1.5)	PBX4 (1.5)
CELSR2 (2.3)	LIPG (2.2)	ST3GAL4 (2.1)	MAP3K4 (2.0)	LPAR2 (1.9)
LPA (2.3)	CYB561D1 (2.2)	SLC22A1 (2.2)	GOT2P1 (2.1)	GNAT2 (1.9)
LPA (2.3)	CYB561D1 (2.2)	SLC22A1 (2.2)	GOT2P1 (2.1)	GNAT2 (1.9)
OASL (2.6)	EHBP1 (2.5)	CELSR2 (2.4)	GSTM5 (2.3)	OTX1 (2.2)
PSRC1 (3.0)	IFT172 (2.6)	TRIM54 (2.6)	IGF2R (2.3)	IZUMO1 (2.2)
LPL (2.7)	ENSG00000226648 (2	AMIGO1 (2.1)	SORT1 (2.1)	HAVCR1 (2.1)
FGF21 (2.2)	TRIB1 (1.8)	GDF5 (1.8)	GRINA (1.8)	MAU2 (1.8)
PLEC (2.4)	C17orf57 (2.1)	MAFB (1.6)	RELB (1.6)	GRINA (1.5)
FER1L4 (2.6)	CEP250 (2.3)	SUGP1 (1.7)	IST1 (1.6)	DARS (1.6)
TRAM2 (2.6)	CYB561D1 (2.2)	ATP13A1 (2.2)	CLPTM1 (1.8)	ST3GAL4 (1.7)
ABCG8 (2.4)	ENSG00000182329 (2	ABCG5 (2.1)	TOMM40 (2.1)	HAPLN4 (2.1)
NCAN (3.0)	ATXN1L (2.3)	PLCG1 (2.2)	ENSG00000244861 (2	DOCK7 (1.8)
ZRANB3 (4.3)	NUP93 (2.3)	PSRC1 (2.2)	KPNB1 (1.6)	KRTCAP3 (1.6)
CYP26A1 (2.1)	EHBP1 (2.0)	GDF5 (1.8)	MAMSTR (1.7)	KANK2 (1.7)
SLC22A2 (2.0)	ENSG00000256731 (1	COL4A3BP (1.7)	PMFBP1 (1.5)	C19orf80 (1.5)
NRBP1 (2.1)	SNX17 (2.1)	PSMA5 (2.1)	BUD13 (2.0)	NUP93 (1.9)
SYPL2 (2.2)	TSSK6 (2.1)	R3HDM1 (1.9)	LPIN3 (1.7)	TBKBP1 (1.7)
CYB561D1 (2.3)	PVR (2.2)	MAU2 (1.9)	PCSK9 (1.7)	ENSG00000226645 (1
ENSG00000231204 (1	GPR61 (1.7)	ENSG00000226622 (1	FNDC4 (1.2)	ATP13A1 (1.2)
ENSG00000236436 (1	KRTCAP3 (1.7)	NFE2L3 (1.6)	YSK4 (1.6)	ZNF821 (1.6)
SLC22A3 (1.9)	CELSR2 (1.8)	SORT1 (1.7)	MAP3K4 (1.6)	HNF4A (1.6)
NFE2L3 (2.0)	GMIP (1.9)	GATAD2A (1.8)	TRIB1 (1.4)	GRINA (1.4)
LPAL2 (2.4)	RASIP1 (2.2)	GOT2P1 (2.1)	ENSG00000254235 (2	GSTM5 (1.7)
GPAM (2.6)	SLC22A3 (2.1)	HAPLN4 (2.0)	FGF21 (2.0)	C19orf80 (2.0)
KRTCAP3 (2.5)	CBLC (2.4)	ENSG00000226806 (2	FUT1 (2.0)	PBX4 (1.9)
ENSG00000254235 (2	TSSK6 (2.1)	EHBP1 (2.0)	YSK4 (2.0)	ENSG00000235545 (1
HAVCR1 (2.1)	IZUMO1 (2.0)	ZNF821 (1.6)	HNF1A (1.6)	OBP2B (1.6)
IGF2R (2.1)	C19orf52 (2.0)	SLC22A3 (1.8)	SPATC1 (1.7)	COL4A3BP (1.7)
SMARCA4 (2.2)	GMIP (2.2)	NOP58 (1.9)	ENSG00000254235 (1	USP1 (1.8)
SUGP1 (2.8)	TOP1 (2.8)	USP1 (2.5)	SMARCA4 (2.5)	NOP58 (2.4)
LDLR (2.4)	FADS2 (2.1)	ENSG00000226648 (2	HMGCR (1.9)	MAP3K4 (1.9)
POLK (1.8)	FNDC4 (1.8)	SORT1 (1.7)	GMIP (1.7)	PVRL2 (1.7)
DOCK6 (2.1)	TOP1 (2.0)	PVR (2.0)	PBX4 (1.9)	NRBP1 (1.9)
DARS (2.7)	TOP1 (2.7)	SMARCA4 (2.5)	KPNB1 (2.5)	PPM1G (2.4)
LPL (2.0)	PLEC (1.9)	SLC44A2 (1.8)	SORT1 (1.7)	SLC22A3 (1.7)
ZRANB3 (3.1)	AMIGO1 (2.3)	NUP93 (2.2)	PSRC1 (2.0)	PPM1G (1.9)
DHODH (2.7)	C12orf43 (2.5)	HAVCR1 (2.1)	CARM1 (2.0)	SARS (1.9)
IZUMO1 (2.4)	BCAM (2.0)	ABO (1.8)	GOT2P1 (1.7)	ZNF821 (1.6)
GOT2P1 (2.1)	MAMSTR (2.0)	DHODH (2.0)	LPAL2 (2.0)	SLC22A1 (1.6)
ENSG00000226622 (2	ST3GAL4 (2.3)	YSK4 (2.1)	ABO (2.0)	FGF21 (1.8)
TBKBP1 (2.2)	ENSG00000244861 (2	RASIP1 (1.9)	MAU2 (1.9)	IFT172 (1.8)

MAP3K4 (2.1)	KPNB1 (1.9)	PLEC (1.7)	TIMD4 (1.7)	ZNF259 (1.6)
TRIB1 (1.8)	ENSG00000228044 (1	MAFB (1.6)	ABCA6 (1.6)	GSTM5 (1.5)
APOC3 (2.3)	BCAM (2.2)	LPL (2.2)	APOC1 (2.1)	APOC4 (2.0)
NPEPPS (2.1)	SORT1 (2.0)	ST3GAL4 (1.9)	ENSG00000236436 (1	UBXN4 (1.7)
DOCK7 (2.6)	MAU2 (2.3)	SNX17 (2.2)	NRBP1 (2.1)	OTX1 (2.0)
NUP93 (2.6)	PPM1G (2.3)	SLC22A1 (2.2)	ZRANB3 (2.2)	PLG (2.1)
RELB (1.9)	NFE2L3 (1.8)	ENSG00000254235 (1	GMIP (1.6)	PVR (1.5)
SNX17 (1.9)	ENSG00000254235 (1	TM6SF2 (1.6)	CYP26A1 (1.6)	GSTM4 (1.4)
HMGCR (2.1)	NCAN (2.0)	NYNRIN (1.8)	KANK2 (1.7)	GSTM5 (1.7)
SUMO1 (2.5)	NOP58 (2.3)	TXNL4B (2.3)	BUD13 (2.2)	POLK (1.9)
UBXN4 (2.4)	IST1 (2.2)	CLPTM1 (2.1)	TXNL4B (2.0)	TSSK6 (1.9)
C11orf9 (1.9)	SLC44A2 (1.8)	FER1L4 (1.5)	YSK4 (1.4)	DOCK7 (1.4)
PBX4 (2.2)	ABCA6 (1.8)	FGF21 (1.3)	IZUMO1 (1.2)	SLC44A2 (1.1)
ENSG00000226806 (2	GMIP (2.2)	RELB (2.0)	CETP (1.6)	TBKBP1 (1.5)
NFE2L3 (2.1)	ENSG00000226622 (2	ENSG00000231204 (1	SUMO1 (1.8)	TXNL4B (1.6)
SUMO1 (2.1)	DARS (2.1)	KPNB1 (2.0)	SMARCA4 (2.0)	DHX38 (1.8)
PLCG1 (2.5)	CYP26A1 (2.3)	PBX4 (2.2)	DNAH11 (2.2)	CELSR2 (2.2)
ZNF821 (2.3)	OASL (2.2)	PARP10 (2.2)	TBKBP1 (2.1)	SUGP1 (2.0)
MYLIP (2.4)	MAFB (2.2)	TRIB1 (2.1)	ATXN7L2 (1.7)	TRIM54 (1.6)
SYPL2 (2.5)	PBX4 (2.4)	ZHX3 (2.3)	GPAM (2.2)	PLEC (2.2)
LPAR2 (1.4)	CBLC (1.4)	PGS1 (1.3)	SLC22A3 (1.3)	ABCA1 (1.3)
CBLC (1.7)	CEP250 (1.7)	SUGP1 (1.6)	IZUMO1 (1.4)	TSSK6 (1.4)
CBLC (1.7)	CEP250 (1.7)	SUGP1 (1.6)	IZUMO1 (1.4)	TSSK6 (1.4)
PARP10 (1.8)	OBP2B (1.8)	NFE2L3 (1.7)	RELB (1.7)	ENSG00000226806 (1
HAVCR1 (2.5)	C17orf57 (2.5)	ABCA5 (2.3)	GPR61 (1.9)	CYB561D1 (1.8)
FEN1 (2.1)	NUP93 (2.0)	POC5 (2.0)	SUGP1 (2.0)	USP1 (1.9)
ENSG00000231204 (2	APOA4 (2.1)	ERGIC3 (2.1)	CILP2 (2.0)	BMPR2 (2.0)
CYP26A1 (2.3)	ABCG8 (2.1)	ABCG5 (2.0)	NYNRIN (1.9)	LPAR2 (1.9)
KPNB1 (2.4)	SUGP1 (2.4)	TOP1 (2.3)	ENSG00000226645 (2	SMARCA4 (2.0)
YSK4 (1.9)	FUT2 (1.9)	C17orf57 (1.9)	LPIN3 (1.8)	HAPLN4 (1.8)
KANK2 (2.2)	ATXN1L (2.0)	ABO (1.9)	NYNRIN (1.8)	MAFB (1.8)
ENSG00000226648 (1	TRAM2 (1.6)	APOE (1.6)	LCT (1.4)	ENSG00000226622 (1
KPNB1 (2.8)	SMARCA4 (2.8)	CLPTM1 (2.8)	GATAD2A (2.5)	MAU2 (2.1)
COL4A3BP (2.0)	NRBP1 (2.0)	BMPR2 (2.0)	CLPTM1 (2.0)	PARP10 (1.9)
GOT2P1 (2.8)	ENSG00000235545 (2	ENSG00000236267 (2	PMFBP1 (2.0)	IZUMO1 (1.9)
TRIM54 (2.4)	GPAM (2.4)	FER1L4 (2.3)	BMPR2 (2.3)	SORT1 (2.2)
ST3GAL4 (2.1)	CARM1 (2.1)	SUMO1 (2.1)	NYNRIN (1.9)	PVRL2 (1.8)
IFT172 (2.4)	ENSG00000244861 (2	CILP2 (1.9)	NYNRIN (1.9)	PMFBP1 (1.8)
ZRANB3 (4.3)	NUP93 (2.3)	KPNB1 (1.9)	ENSG00000228044 (1	DHODH (1.7)
TRIM54 (2.1)	KANK2 (1.9)	HNF1A (1.9)	ENSG00000254235 (1	TOMM40 (1.7)
DHODH (2.7)	ENSG00000226645 (2	TOMM40 (2.3)	ENSG00000236436 (2	UBXN4 (2.0)
PARP10 (2.4)	ERGIC3 (2.0)	CYB561D1 (1.5)	SUMO1 (1.4)	GSTM4 (1.4)
BMPR2 (2.3)	CILP2 (2.0)	LIPG (1.7)	EHBP1 (1.6)	SORT1 (1.5)
ENSG00000226645 (2	ABO (2.1)	FUT1 (2.1)	IZUMO1 (1.9)	FGF21 (1.9)
ABCA5 (2.1)	ZNF259 (2.0)	ABCA6 (1.8)	C12orf43 (1.8)	FUT2 (1.7)
SARS (1.9)	PGS1 (1.8)	IZUMO1 (1.8)	COL4A3BP (1.7)	YIPF2 (1.6)
ENSG00000235545 (2	LPL (1.8)	PBX4 (1.4)	NFE2L3 (1.3)	GMIP (1.2)
CETP (1.8)	ENSG00000235545 (1	ENSG00000254235 (1	ENSG00000226645 (1	ENSG00000228044 (1
ENSG00000254235 (1	LCT (1.6)	LIPG (1.5)	ABCG8 (1.4)	TIMD4 (1.3)
SLC44A2 (2.3)	C11orf9 (2.2)	GCKR (2.0)	OASL (1.9)	ENSG00000226622 (1

TRAM2 (2.2)	LPL (1.9)	FNDC4 (1.8)	ABCA6 (1.8)	ST3GAL4 (1.7)
NCAN (1.9)	GSTM5 (1.8)	CYP26A1 (1.6)	ENSG00000236267 (1	ENSG00000226648 (1
C17orf57 (2.6)	ENSG00000226648 (2	LCT (1.9)	ENSG00000228044 (1	KRTCAP3 (1.6)
GRINA (2.1)	TBKBP1 (1.8)	ZNF821 (1.7)	OASL (1.6)	ATXN1L (1.5)
RELB (2.2)	CYB561D1 (2.2)	GMIP (2.0)	PARP10 (1.8)	MAFB (1.7)
BCAM (1.8)	ENSG00000228044 (1	LCT (1.8)	OTX1 (1.7)	YSK4 (1.7)
PARP10 (2.2)	AMPD2 (1.9)	OBP2B (1.8)	PSRC1 (1.8)	ENSG00000244861 (1
BMPR2 (2.4)	ENSG00000256731 (2	ZHX3 (2.2)	AMIGO1 (2.0)	SLC22A2 (1.8)
GDF5 (2.1)	AMIGO1 (2.1)	HAVCR1 (2.0)	PVR (2.0)	CILP2 (1.9)
TXNL4B (2.1)	BUD13 (2.1)	TBKBP1 (2.0)	NRBP1 (1.8)	CLPTM1 (1.7)
ENSG00000231204 (2	PBX4 (2.7)	NPEPPS (2.5)	IFT172 (2.5)	GOT2P1 (2.4)
SMARCA4 (1.9)	MAP3K4 (1.9)	ZNF259 (1.8)	NUP93 (1.8)	GNAI3 (1.8)
SMARCA4 (1.9)	MAP3K4 (1.9)	ZNF259 (1.8)	NUP93 (1.8)	GNAI3 (1.8)
BMPR2 (1.2)	TRIB1 (1.2)	ENSG00000226645 (1	LPL (1.2)	C19orf52 (1.2)
CYP26A1 (2.4)	CILP2 (2.3)	IFT172 (2.1)	GSTM5 (2.0)	LPL (1.8)
GSTM5 (1.9)	MAMSTR (1.8)	GNAT2 (1.8)	OBP2B (1.7)	EHBP1 (1.6)
LPAR2 (2.3)	ZNF513 (1.9)	SLC22A1 (1.8)	IST1 (1.7)	C19orf52 (1.7)
NRBP1 (2.2)	IFT172 (2.1)	ZNF821 (2.0)	GRINA (2.0)	C17orf57 (1.9)
PARP10 (2.3)	PVR (2.1)	ENSG00000228044 (1	MAFB (1.5)	MAMSTR (1.5)
HNF1A (2.2)	NYNRIN (2.1)	ENSG00000226645 (1	CYP26A1 (1.8)	HNF4A (1.7)
NYNRIN (2.3)	ENSG00000226806 (1	LIPG (1.6)	TBKBP1 (1.6)	ZNF513 (1.5)
CLPTM1 (2.6)	GRINA (2.2)	HAPLN4 (2.2)	YIPF2 (2.2)	NCAN (1.9)
ATXN1L (1.8)	LPA (1.7)	PSMA5 (1.6)	MAP3K4 (1.4)	NUP93 (1.3)
ATXN1L (1.8)	LPA (1.7)	PSMA5 (1.6)	MAP3K4 (1.4)	NUP93 (1.3)
ATXN7L2 (1.8)	ENSG00000236267 (1	DARS (1.5)	DNAH11 (1.5)	HP (1.5)
ENSG00000226622 (2	YSK4 (2.2)	ST3GAL4 (2.1)	ABO (2.1)	SPATC1 (1.8)
ZRANB3 (2.8)	PSRC1 (2.6)	KPNB1 (2.4)	NUP93 (1.8)	OBP2B (1.6)
BUD13 (1.7)	C12orf43 (1.5)	ATXN1L (1.5)	TXNL4B (1.5)	DHODH (1.5)
OASL (2.3)	GRINA (2.2)	IGF2R (2.1)	COL4A3BP (2.1)	C19orf52 (1.9)
CEP250 (2.6)	USP1 (2.4)	CLPTM1 (2.1)	SMARCA4 (2.1)	ZRANB3 (2.0)
CYB561D1 (2.9)	PSMA5 (2.8)	CLPTM1 (2.6)	GNAI3 (2.5)	SNX17 (2.5)
ABCG8 (2.6)	CYB561D1 (2.1)	AMIGO1 (2.0)	ABCA5 (1.9)	SNX17 (1.9)
GSTM4 (2.0)	CLPTM1 (2.0)	PVRL2 (1.9)	YSK4 (1.9)	BCAM (1.8)
LPAR2 (2.6)	COL4A3BP (2.2)	GSTM4 (2.0)	PMFBP1 (2.0)	ATXN7L2 (1.9)
TBKBP1 (2.0)	DOCK7 (2.0)	GRINA (2.0)	CARM1 (1.9)	GMIP (1.8)
ABCG5 (2.8)	ABCG8 (2.3)	PMFBP1 (2.0)	AMIGO1 (1.9)	C19orf80 (1.9)
ZNF513 (1.9)	ATXN1L (1.9)	BMPR2 (1.8)	ATXN7L2 (1.7)	C11orf9 (1.6)
MAMSTR (1.7)	FUT2 (1.7)	GDF5 (1.5)	KRTCAP3 (1.5)	C11orf9 (1.4)
SPATC1 (2.4)	ATXN7L2 (1.9)	BCAM (1.8)	ENSG00000236436 (1	MAMSTR (1.6)
FNDC4 (2.1)	NYNRIN (2.0)	FUT2 (1.8)	EHBP1 (1.7)	ENSG00000244861 (1
ENSG00000231204 (2	ENSG00000226648 (2	ENSG00000235545 (2	CYB561D1 (1.9)	HAVCR1 (1.8)
PARP10 (2.0)	NFE2L3 (1.8)	PCSK9 (1.7)	SPATC1 (1.6)	TRIB1 (1.5)
ATXN1L (2.2)	RAB3GAP1 (2.1)	NUP93 (1.9)	ZNF821 (1.9)	POLK (1.8)
C17orf57 (1.9)	NYNRIN (1.7)	FUT2 (1.7)	ENSG00000236436 (1	AMIGO1 (1.6)
LCT (1.8)	CARM1 (1.8)	MAP3K4 (1.7)	FGF21 (1.7)	TSSK6 (1.7)
ABCA5 (1.9)	C12orf43 (1.8)	LPIN3 (1.7)	DNAH11 (1.6)	HAPLN4 (1.6)
MCM6 (2.9)	IFT172 (1.9)	GSTM4 (1.9)	USP1 (1.8)	LPIN3 (1.5)
NCAN (1.8)	ZHX3 (1.6)	TIMD4 (1.5)	ABCA1 (1.5)	ZNF821 (1.4)
CEP250 (2.7)	PSRC1 (2.6)	ZRANB3 (2.3)	POC5 (1.9)	ST3GAL4 (1.6)
CELSR2 (2.0)	CARM1 (1.9)	R3HDM1 (1.8)	FADS2 (1.8)	LDLR (1.7)

SPATC1 (2.6)	ENSG00000228044 (2	YSK4 (2.0)	ST3GAL4 (1.7)	PMFBP1 (1.7)
POLK (2.3)	RAB3GAP1 (2.1)	NRBP1 (1.4)	YIPF2 (1.4)	ZNF821 (1.4)
PPM1G (2.3)	POC5 (2.1)	DARS (2.0)	PSMA5 (2.0)	KPNB1 (2.0)
DNAH11 (2.7)	LPAL2 (2.4)	YSK4 (2.4)	ENSG00000236436 (2	ABO (2.2)
GATAD2A (1.9)	KPNB1 (1.9)	TOP1 (1.8)	SARS (1.8)	ERGIC3 (1.7)
TSSK6 (2.1)	BCAM (1.9)	ENSG00000236436 (1	ENSG00000244861 (1	PMFBP1 (1.4)
COL4A3BP (2.6)	IGF2R (2.2)	CEP250 (2.1)	POLK (2.0)	SORT1 (1.9)
SYPL2 (1.8)	FUT2 (1.5)	ABCG8 (1.5)	SLC22A1 (1.4)	C19orf52 (1.4)
MAMSTR (2.6)	DOCK6 (2.6)	GRINA (2.3)	SMARCA4 (2.1)	ZNF821 (2.1)
PPM1G (3.3)	NOP58 (2.5)	FEN1 (2.4)	MCM6 (2.4)	PSRC1 (2.2)
ENSG00000226648 (2	GOT2P1 (2.0)	CYB561D1 (1.8)	ST3GAL4 (1.6)	ENSG00000236267 (1
LIPG (2.4)	PSRC1 (2.1)	SPATC1 (2.0)	C17orf57 (1.9)	NYNRIN (1.8)
ATP13A1 (2.1)	SARS (2.1)	BUD13 (2.1)	ENSG00000226645 (2	SUGP1 (2.0)
MYLIP (2.1)	IZUMO1 (1.9)	PBX4 (1.8)	CILP2 (1.8)	ENSG00000226622 (1
ENSG00000231204 (1	FUT2 (1.7)	LPIN3 (1.7)	KANK2 (1.5)	ZNF821 (1.5)
ERGIC3 (2.3)	ENSG00000226645 (1	GATAD2A (1.7)	KPNB1 (1.6)	PGS1 (1.5)
SORT1 (1.7)	ENSG00000254235 (1	C19orf52 (1.6)	ENSG00000235545 (1	ENSG00000256731 (1
APOA4 (1.9)	ABO (1.7)	PVRL2 (1.6)	PVR (1.5)	HAPLN4 (1.5)
PGS1 (2.1)	ZHX3 (2.1)	MAP3K4 (2.0)	NPEPPS (1.9)	LPAR2 (1.8)
ENSG00000256731 (2	ZNF513 (1.8)	POLK (1.7)	GDF5 (1.6)	PGS1 (1.5)
AMIGO1 (2.3)	PBX4 (2.3)	ENSG00000226648 (2	DNAH11 (2.0)	YSK4 (1.9)
GSTM4 (2.2)	MAFB (2.2)	ABCA1 (1.9)	GMIP (1.8)	MAMSTR (1.7)
MAMSTR (2.8)	PLEC (2.8)	GDF5 (2.5)	SLC44A2 (2.3)	IGF2R (2.1)
CYP26A1 (1.6)	GSTM4 (1.6)	LPAL2 (1.5)	GPR61 (1.4)	ENSG00000254235 (1
ENSG00000235545 (1	FUT2 (2.8)	SPATC1 (2.1)	ENSG00000182329 (2	LPIN3 (1.7)
DHODH (2.4)	SLC22A2 (2.3)	ABCG8 (2.3)	LCT (2.2)	YSK4 (1.9)
SLC44A2 (2.1)	SNX17 (2.1)	BMPR2 (2.1)	GMIP (1.9)	DNAH11 (1.8)
PBX4 (2.3)	NFE2L3 (2.0)	LCT (1.8)	CETP (1.8)	IZUMO1 (1.8)
ZHX3 (1.9)	KANK2 (1.8)	CYP26A1 (1.8)	IGF2R (1.6)	HNF4A (1.5)
BCAM (2.3)	CLPTM1 (2.2)	PLEC (2.1)	GNAI3 (2.0)	PVRL2 (1.9)
C12orf43 (1.8)	PARP10 (1.7)	ENSG00000254235 (1	HAVCR1 (1.6)	LPAR2 (1.6)
BCAM (1.6)	YIPF2 (1.6)	CLPTM1 (1.5)	ENSG00000254235 (1	APOE (1.4)
BCAM (1.6)	YIPF2 (1.6)	CLPTM1 (1.5)	ENSG00000254235 (1	APOE (1.4)
BCAM (1.6)	YIPF2 (1.6)	CLPTM1 (1.5)	ENSG00000254235 (1	APOE (1.4)
EHBP1 (1.9)	R3HDM1 (1.6)	C11orf9 (1.6)	CYP26A1 (1.6)	PVR (1.5)
CARM1 (2.0)	USP24 (2.0)	C11orf9 (1.9)	C17orf57 (1.9)	KRTCAP3 (1.4)
ATXN1L (2.2)	PGS1 (2.0)	TOMM40 (1.9)	ENSG00000226622 (1	PVR (1.8)
ATXN1L (2.2)	PGS1 (2.0)	TOMM40 (1.9)	ENSG00000226622 (1	PVR (1.8)
ATXN1L (2.2)	PGS1 (2.0)	TOMM40 (1.9)	ENSG00000226622 (1	PVR (1.8)
ABCA6 (1.9)	TRAM2 (1.9)	ENSG00000182329 (1	ST3GAL4 (1.7)	PMFBP1 (1.6)
ENSG00000236267 (1	GNAT2 (2.2)	C11orf9 (2.1)	RP1 (2.1)	TM6SF2 (2.0)
PLEC (2.2)	MAMSTR (2.0)	PVR (1.9)	BCAM (1.7)	LPL (1.7)
LCT (2.3)	ENSG00000226806 (2	DOCK7 (2.1)	OBP2B (1.9)	IZUMO1 (1.7)
IST1 (2.5)	CLPTM1 (2.5)	GNAI3 (2.4)	AMPD2 (2.4)	C12orf43 (2.3)
CARM1 (2.4)	POLK (2.3)	NPEPPS (1.9)	C12orf43 (1.8)	FNDC4 (1.8)
KRTCAP3 (1.9)	ZNF513 (1.8)	MAFB (1.8)	LDLR (1.6)	GSTM5 (1.6)
CYP26A1 (1.9)	BMPR2 (1.9)	IGF2R (1.8)	KRTCAP3 (1.8)	IFT172 (1.6)
GSTM5 (2.4)	PARP10 (2.1)	GNAT2 (2.1)	TBKBP1 (1.9)	MYLIP (1.7)
SLC44A2 (2.4)	CYP26A1 (2.4)	PVR (2.0)	ABCA1 (2.0)	PVRL2 (1.9)
GPAM (2.0)	TOMM40 (1.6)	C19orf52 (1.6)	GOT2P1 (1.5)	SYPL2 (1.5)

TRIB1 (2.4)	ATXN1L (2.1)	NUP93 (2.0)	DHODH (2.0)	IST1 (2.0)
LPAR2 (2.0)	IFT172 (1.9)	ENSG00000254235 (1	HAPLN4 (1.5)	HP (1.5)
TOP1 (2.3)	PBX4 (2.1)	TOMM40 (2.1)	GSTM5 (1.9)	NUP93 (1.8)
TIMD4 (1.8)	SLC44A2 (1.8)	MAFB (1.8)	GRINA (1.7)	GSTM4 (1.7)
PBX4 (1.9)	ABO (1.8)	ENSG00000231204 (1	YSK4 (1.7)	C11orf9 (1.7)
NPEPPS (1.9)	RP1 (1.8)	AMPD2 (1.7)	DARS (1.6)	ERGIC3 (1.6)
LIPG (2.2)	HAVCR1 (1.9)	ABCA1 (1.9)	OASL (1.8)	CELSR2 (1.7)
GDF5 (2.5)	SLC22A1 (2.2)	CELSR2 (2.0)	KANK2 (2.0)	ENSG00000226648 (1
SMARCA4 (2.9)	AMPD2 (2.7)	NOP58 (2.7)	GATAD2A (2.6)	PPM1G (2.4)
PVRL2 (3.0)	DOCK6 (2.5)	CYP26A1 (2.3)	IFT172 (2.0)	ZNF513 (2.0)
ZNF513 (1.8)	MYLIP (1.8)	LPAL2 (1.7)	PARP10 (1.5)	ENSG00000235545 (1
ENSG00000235545 (2	TXNL4B (1.7)	FEN1 (1.7)	SPATC1 (1.6)	NYNRIN (1.5)
ABO (1.7)	YSK4 (1.6)	ENSG00000254235 (1	DNAH11 (1.3)	CEP250 (1.3)
C17orf57 (2.3)	NRBP1 (2.3)	ENSG00000182329 (2	NPEPPS (2.0)	GPR61 (2.0)
GATAD2A (2.0)	SMARCA4 (1.9)	CLPTM1 (1.9)	GRINA (1.8)	GNAI3 (1.7)
DHODH (2.1)	USP24 (2.0)	POC5 (2.0)	KPNB1 (1.9)	ENSG00000226648 (1
RELB (2.2)	CYB561D1 (1.8)	SLC22A1 (1.5)	ATXN7L2 (1.4)	MAMSTR (1.3)
CLPTM1 (3.7)	NRBP1 (3.4)	UBXN4 (3.1)	SNX17 (1.9)	POC5 (1.9)
AMIGO1 (2.3)	ABO (2.1)	ENSG00000226622 (2	ST3GAL4 (2.0)	GOT2P1 (1.8)
AMIGO1 (2.3)	ABO (2.1)	ENSG00000226622 (2	ST3GAL4 (2.0)	GOT2P1 (1.8)
LPAL2 (2.8)	ENSG00000236267 (2	CETP (2.6)	GOT2P1 (2.2)	ENSG00000235545 (1
FER1L4 (2.4)	ZHX3 (2.1)	C11orf9 (2.0)	SORT1 (1.9)	LPA (1.8)
CARM1 (1.8)	ENSG00000182329 (1	UBXN4 (1.8)	MAP3K4 (1.7)	SMARCA4 (1.7)
DARS (2.2)	NOP58 (2.1)	SUMO1 (1.9)	POC5 (1.9)	FER1L4 (1.9)
GSTM4 (2.6)	NFE2L3 (2.4)	FADS1 (2.1)	SPATC1 (1.9)	R3HDM1 (1.8)
ENSG00000228044 (2	GMIP (1.9)	PVR (1.9)	RELB (1.8)	PARP10 (1.8)
DHODH (1.8)	BUD13 (1.8)	ATXN7L2 (1.8)	USP24 (1.7)	SUGP1 (1.7)
ZRANB3 (4.0)	NUP93 (2.3)	CEP250 (2.2)	PPM1G (1.9)	KPNB1 (1.8)
DHX38 (2.6)	BUD13 (2.4)	TOMM40 (2.4)	TOP1 (2.3)	DARS (2.3)
MAMSTR (2.1)	ENSG00000228044 (1	LPAL2 (1.7)	MYLIP (1.6)	ENSG00000254235 (1
AMPD2 (2.5)	GCKR (2.0)	GSTM4 (1.8)	GNAI3 (1.8)	CETP (1.7)
ATXN7L2 (2.2)	CELSR2 (2.2)	PMFBP1 (2.2)	CYB561D1 (2.1)	ENSG00000226622 (2
IST1 (2.4)	PVRL2 (1.9)	OASL (1.8)	GMIP (1.7)	RELB (1.6)
RP1 (2.2)	R3HDM1 (2.2)	SUMO1 (2.2)	ENSG00000231204 (2	OBP2B (2.1)
GSTM4 (2.1)	APOC4 (1.8)	LPAL2 (1.8)	ANGPTL3 (1.8)	APOA5 (1.7)
PARP10 (2.6)	DNAH11 (2.6)	CEP250 (2.3)	ZRANB3 (2.2)	MAP3K4 (1.8)
ZNF259 (2.3)	PSMA5 (2.2)	SARS (2.2)	IST1 (2.1)	TOMM40 (1.8)
MAMSTR (2.7)	GPAM (2.3)	FGF21 (2.1)	HAPLN4 (2.0)	SLC22A3 (2.0)
DARS (2.9)	TOMM40 (2.8)	KPNB1 (2.8)	DHX38 (2.7)	PPM1G (2.5)
OASL (2.1)	SUGP1 (2.0)	YIPF2 (1.9)	PARP10 (1.9)	ZNF821 (1.7)
BCAM (2.5)	ENSG00000236436 (2	FUT1 (2.1)	ENSG00000226645 (2	DOCK6 (2.0)
ATXN1L (2.3)	MAFB (2.2)	ENSG00000254235 (2	KANK2 (2.0)	CYP26A1 (1.9)
BCAM (1.8)	NCAN (1.8)	NFE2L3 (1.7)	LDLR (1.7)	OBP2B (1.6)
CELSR2 (1.9)	MAFB (1.9)	DARS (1.9)	GDF5 (1.8)	SNX17 (1.8)
TM6SF2 (2.2)	ABCA5 (2.0)	ATP13A1 (2.0)	PMFBP1 (1.8)	LPAR2 (1.8)
PLCG1 (1.9)	MAFB (1.8)	NYNRIN (1.8)	ZNF821 (1.8)	OTX1 (1.7)
ZRANB3 (2.7)	NUP93 (2.5)	AMIGO1 (2.4)	ENSG00000235545 (2	DHODH (1.7)
LPA (2.3)	LPAL2 (1.8)	IST1 (1.8)	AMPD2 (1.7)	TSSK6 (1.7)
DOCK7 (2.4)	ENSG00000244861 (2	ZNF821 (2.0)	ENSG00000235545 (2	NRBP1 (1.9)
DOCK7 (2.4)	ENSG00000244861 (2	ZNF821 (2.0)	ENSG00000235545 (2	NRBP1 (1.9)

TRAM2 (2.1)	NFE2L3 (2.0)	NYNRIN (1.8)	GSTM5 (1.8)	GSTM4 (1.7)
DOCK7 (2.1)	GNAI3 (1.9)	COL4A3BP (1.8)	PARP10 (1.7)	UBXN4 (1.6)
NRBP1 (2.1)	TXNL4B (2.1)	YIPF2 (1.9)	APOA5 (1.7)	RASIP1 (1.7)
NRBP1 (2.1)	TXNL4B (2.1)	YIPF2 (1.9)	APOA5 (1.7)	RASIP1 (1.7)
LPAR2 (2.3)	PVRL2 (1.9)	FGF21 (1.6)	ENSG00000226622 (1	GDF5 (1.5)
ENSG00000236267 (2	PMFBP1 (2.1)	ZHX3 (2.0)	ST3GAL4 (1.9)	SLC22A3 (1.8)
GPR61 (2.2)	SORT1 (2.0)	SLC22A2 (2.0)	SLC22A1 (1.9)	GNAT2 (1.8)
LPL (1.5)	RASIP1 (1.4)	KANK2 (1.4)	TBKBP1 (1.4)	ENSG00000182329 (1
CARM1 (2.0)	GDF5 (1.7)	SNX17 (1.7)	ATXN7L2 (1.7)	ATXN1L (1.6)
APOE (2.2)	OTX1 (2.0)	ABCA1 (2.0)	ABCA6 (1.9)	CBLC (1.6)
C12orf43 (2.1)	PARP10 (2.0)	KPNB1 (2.0)	LPAR2 (2.0)	PVR (1.7)
NRBP1 (2.8)	ZNF513 (2.6)	RAB3GAP1 (2.3)	ENSG00000228044 (1	PGS1 (1.8)
USP24 (2.4)	PARP10 (2.2)	GSTM5 (2.1)	PSRC1 (2.0)	OBP2B (1.9)
PARP10 (2.4)	PBX4 (2.2)	ABCG8 (2.1)	COL4A3BP (2.1)	LPAR2 (2.0)
TOP1 (2.2)	PLEC (2.1)	MAFB (1.9)	DOCK7 (1.8)	ENSG00000226645 (1
ENSG00000228044 (2	TRIB1 (2.0)	ENSG00000254235 (1	FUT2 (1.5)	C17orf57 (1.4)
ZNF513 (1.8)	FUT1 (1.7)	NCAN (1.7)	GOT2P1 (1.7)	PVRL2 (1.7)
FER1L4 (2.2)	LPL (1.9)	GPAM (1.9)	SLC22A2 (1.9)	LPA (1.7)
GMIP (1.9)	ABCA1 (1.7)	HAVCR1 (1.5)	RELB (1.4)	SLC22A3 (1.4)
FNDC4 (1.8)	LPL (1.8)	LCT (1.6)	PVRL2 (1.5)	SLC22A3 (1.4)
EHBP1 (2.1)	HAPLN4 (1.9)	PVR (1.7)	CLPTM1 (1.7)	C19orf80 (1.7)
MAFB (2.4)	PARP10 (2.1)	ABCA1 (2.1)	CILP2 (1.7)	PVRL2 (1.6)
PLG (2.8)	ZHX3 (2.8)	FUT2 (2.3)	LIPG (2.2)	ANGPTL3 (2.0)
PVRL2 (2.8)	FUT1 (2.5)	FGF21 (2.4)	LPAR2 (2.0)	ABO (2.0)
TIMD4 (2.2)	C19orf52 (2.0)	TXNL4B (2.0)	OBP2B (1.8)	POC5 (1.8)
PARP10 (2.1)	MAMSTR (1.9)	ABCA5 (1.8)	ENSG00000228044 (1	ENSG00000235545 (1
CLPTM1 (2.4)	ATP13A1 (2.4)	GATAD2A (2.3)	GMIP (2.2)	SNX17 (2.1)
MAU2 (2.2)	ENSG00000235545 (2	TSSK6 (1.9)	TM6SF2 (1.9)	ATP13A1 (1.7)
TRIB1 (1.6)	UBXN4 (1.5)	LIPG (1.5)	C12orf43 (1.4)	SORT1 (1.4)
TIMD4 (2.4)	IZUMO1 (2.1)	CETP (1.8)	GMIP (1.8)	ZNF513 (1.7)
C12orf43 (1.7)	ENSG00000236267 (1	ZRANB3 (1.7)	ZNF513 (1.6)	ENSG00000236436 (1
NPEPPS (2.3)	NRBP1 (2.1)	TRIB1 (2.0)	LPAR2 (2.0)	PVR (1.9)
DNAH11 (2.0)	C19orf52 (1.6)	SLC22A3 (1.6)	ABO (1.6)	GPR61 (1.5)
LIPG (1.8)	ABCA1 (1.7)	TRIB1 (1.6)	GSTM4 (1.5)	AMPD2 (1.5)
UBXN4 (2.2)	NPEPPS (2.1)	SUGP1 (1.9)	ATXN1L (1.9)	DOCK7 (1.8)
POLK (1.8)	HAPLN4 (1.7)	DNAH11 (1.7)	ENSG00000236267 (1	HNF4A (1.5)
NOP58 (2.3)	DHX38 (2.2)	BUD13 (2.1)	GOT2P1 (1.8)	C19orf52 (1.7)
DNAH11 (1.5)	PARP10 (1.5)	NFE2L3 (1.4)	HAVCR1 (1.4)	ENSG00000235545 (1
LPA (2.1)	SLC22A3 (2.0)	KRTCAP3 (1.9)	ENSG00000256731 (1	ATXN7L2 (1.9)
UBXN4 (2.3)	TRAM2 (2.2)	ST3GAL4 (2.2)	CYB561D1 (2.2)	SLC44A2 (2.0)
FUT2 (2.4)	MYLIP (2.4)	IGF2R (2.3)	ZNF259 (2.0)	TIMD4 (2.0)
SPATC1 (1.9)	PVR (1.9)	PVRL2 (1.8)	ABO (1.7)	TBKBP1 (1.7)
USP24 (2.0)	OTX1 (2.0)	MAMSTR (1.9)	ENSG00000235545 (1	TRIB1 (1.5)
C17orf57 (1.7)	NFE2L3 (1.7)	TIMD4 (1.6)	OASL (1.3)	RELB (1.3)
PLEC (2.9)	NRBP1 (2.5)	USP24 (2.4)	FER1L4 (2.3)	R3HDM1 (1.9)
SMARCA4 (3.1)	BUD13 (3.0)	NUP93 (3.0)	NOP58 (2.8)	PPM1G (2.8)
GATAD2A (2.2)	PSRC1 (2.0)	SUMO1 (2.0)	FEN1 (1.9)	R3HDM1 (1.9)
GATAD2A (2.2)	PSRC1 (2.0)	SUMO1 (2.0)	FEN1 (1.9)	R3HDM1 (1.9)
PLCG1 (2.0)	BCAM (2.0)	PVRL2 (1.9)	SORT1 (1.9)	APOB (1.9)
HAVCR1 (2.1)	IGF2R (2.0)	CEP250 (1.9)	ENSG00000236267 (1	ENSG00000228044 (1

KPNB1 (2.4)	CARM1 (2.3)	TOMM40 (2.2)	NPEPPS (2.1)	PPM1G (2.1)
PLG (2.1)	NYNRIN (1.8)	LPIN3 (1.8)	SLC22A1 (1.8)	CYP26A1 (1.8)
FUT2 (2.2)	ENSG00000231204 (2	KRTCAP3 (2.1)	ST3GAL4 (1.8)	CBLC (1.8)
C17orf57 (1.9)	GMIP (1.8)	HAVCR1 (1.8)	GOT2P1 (1.7)	PMFBP1 (1.6)
GATAD2A (1.5)	HAVCR1 (1.4)	ST3GAL4 (1.4)	LDLR (1.3)	TIMD4 (1.3)
ABCA1 (1.8)	MAFB (1.7)	TRIB1 (1.7)	LPL (1.5)	GRINA (1.4)
CARM1 (2.8)	PPM1G (2.4)	IST1 (2.1)	DHX38 (2.1)	SMARCA4 (1.9)
CYP26A1 (2.3)	MYLIP (2.3)	TRAM2 (2.3)	ZNF821 (1.9)	GDF5 (1.8)
PBX4 (2.2)	CLPTM1 (2.1)	IZUMO1 (2.1)	MAU2 (2.1)	ENSG00000235545 (2
ENSG00000228044 (2	ENSG00000231204 (2	KRTCAP3 (2.1)	ENSG00000254235 (1	C19orf80 (1.8)
MYLIP (1.9)	TRIB1 (1.9)	GATAD2A (1.8)	GNAI3 (1.8)	GRINA (1.7)
ENSG00000182329 (1	GDF5 (1.5)	AMPD2 (1.5)	ENSG00000226622 (1	ENSG00000235545 (1
TOP1 (2.6)	GATAD2A (2.6)	KPNB1 (2.5)	SMARCA4 (2.4)	PPM1G (2.4)
GNAI3 (1.9)	KPNB1 (1.9)	TOP1 (1.6)	GATAD2A (1.6)	NUP93 (1.5)
ENSG00000226648 (2	IGF2R (2.4)	KANK2 (1.9)	FGF21 (1.8)	OBP2B (1.7)
PBX4 (1.7)	RELB (1.7)	CETP (1.7)	LCT (1.6)	APOA4 (1.6)
NYNRIN (2.0)	ENSG00000226648 (2	DOCK6 (1.8)	ENSG00000244861 (1	SUMO1 (1.8)
NYNRIN (2.0)	ENSG00000226648 (2	DOCK6 (1.8)	ENSG00000244861 (1	SUMO1 (1.8)
KPNB1 (2.3)	ZNF259 (2.3)	DHODH (2.1)	USP24 (1.8)	CLPTM1 (1.8)
BCAM (2.1)	ENSG00000244861 (2	ZNF821 (1.9)	SLC22A2 (1.8)	ENSG00000236436 (1
LCT (2.3)	NFE2L3 (2.2)	PARP10 (1.9)	OBP2B (1.8)	IZUMO1 (1.8)
OTX1 (1.9)	HAVCR1 (1.9)	ENSG00000244861 (1	PVR (1.6)	LIPG (1.5)
ENSG00000254235 (2	MAFB (2.3)	NYNRIN (2.1)	IFT172 (2.1)	IZUMO1 (2.0)
BUD13 (2.3)	POC5 (2.2)	USP24 (1.8)	DHX38 (1.8)	RAB3GAP1 (1.7)
LIPG (2.3)	SPATC1 (2.3)	ENSG00000235545 (1	NFE2L3 (1.8)	ABCA5 (1.7)
DHX38 (1.9)	IST1 (1.9)	BUD13 (1.7)	ZNF821 (1.7)	PLCG1 (1.7)
ATXN1L (2.3)	MCM6 (2.3)	TXNL4B (2.1)	BUD13 (1.8)	TOP1 (1.8)
TRIM54 (2.4)	SYPL2 (2.3)	YSK4 (2.1)	RASIP1 (2.0)	R3HDM1 (1.9)
RELB (2.3)	PGS1 (2.2)	PARP10 (2.2)	ST3GAL4 (2.0)	GRINA (1.8)
SPATC1 (1.8)	ENSG00000231204 (1	ATXN7L2 (1.6)	ENSG00000236436 (1	BMPR2 (1.6)
TSSK6 (2.9)	FGF21 (2.7)	ABO (2.3)	CELSR2 (2.3)	SPATC1 (2.2)
C12orf43 (2.0)	TXNL4B (1.9)	TOMM40 (1.9)	DNAH11 (1.9)	BUD13 (1.5)
ABCA5 (1.8)	CYB561D1 (1.8)	PGS1 (1.5)	YIPF2 (1.5)	TM6SF2 (1.4)
MAFB (2.3)	IGF2R (2.0)	PLCG1 (2.0)	CARM1 (1.6)	MAU2 (1.6)
MYLIP (2.3)	ABO (2.2)	ZNF821 (2.1)	TRIB1 (2.1)	OBP2B (1.9)
ABCA5 (2.2)	SLC22A2 (2.1)	ENSG00000256731 (2	TM6SF2 (2.0)	GPR61 (1.9)
HNF1A (1.8)	GRINA (1.6)	LIPG (1.5)	RAB3GAP1 (1.5)	GATAD2A (1.3)
GNAI3 (2.4)	ABCG8 (2.3)	IFT172 (2.1)	IST1 (1.9)	LCT (1.7)
GPR61 (1.7)	TBKBP1 (1.6)	PBX4 (1.5)	ENSG00000226645 (1	ENSG00000236267 (1
CARM1 (2.5)	POLK (2.4)	NUP93 (2.4)	DHX38 (2.2)	SUMO1 (2.2)
C19orf52 (2.3)	LPL (2.3)	CYP26A1 (1.7)	GMIP (1.7)	LDLR (1.5)
C11orf9 (2.1)	GNAI3 (1.9)	GATAD2A (1.6)	HAVCR1 (1.5)	NPEPPS (1.5)
ABCA5 (2.0)	TRIM54 (2.0)	BCAM (1.9)	DOCK6 (1.8)	PLEC (1.8)
AMPD2 (2.1)	GNAI3 (2.0)	ENSG00000228044 (2	SYPL2 (2.0)	NPEPPS (1.7)
SLC22A2 (1.7)	KANK2 (1.7)	GMIP (1.6)	C11orf9 (1.6)	ZHX3 (1.6)
PPM1G (2.2)	TRIB1 (2.2)	PSRC1 (2.2)	NUP93 (1.9)	SNX17 (1.7)
POLK (2.2)	PCSK9 (1.9)	PARP10 (1.8)	POC5 (1.8)	LCT (1.7)
FUT1 (2.0)	LPL (1.9)	ABCA1 (1.8)	BMPR2 (1.6)	ABCA5 (1.6)
ENSG00000226622 (1	GNAI3 (1.4)	DHODH (1.3)	GATAD2A (1.3)	C11orf9 (1.3)
MCM6 (2.9)	ZRANB3 (2.8)	USP1 (2.7)	DHODH (2.5)	MAP3K4 (1.9)

HAPLN4 (1.8)	ABO (1.7)	FNDC4 (1.7)	C19orf80 (1.7)	TRAM2 (1.6)
ATXN7L2 (2.2)	PVR (2.1)	LPIN3 (1.9)	PLEC (1.9)	ZNF513 (1.9)
MAU2 (2.2)	ATP13A1 (2.0)	MCM6 (1.8)	R3HDM1 (1.8)	NOP58 (1.8)
PBX4 (1.8)	LPIN3 (1.6)	SYPL2 (1.6)	GPR61 (1.5)	ENSG00000182329 (1
PLCG1 (2.3)	R3HDM1 (2.3)	NRBP1 (2.1)	UBXN4 (2.1)	SARS (2.0)
KPNB1 (2.3)	POC5 (2.3)	USP24 (2.2)	MAP3K4 (2.1)	DOCK7 (2.0)
KPNB1 (2.3)	POC5 (2.3)	USP24 (2.2)	MAP3K4 (2.1)	DOCK7 (2.0)
KPNB1 (2.3)	POC5 (2.3)	USP24 (2.2)	MAP3K4 (2.1)	DOCK7 (2.0)
USP1 (4.9)	NUP93 (2.7)	KPNB1 (2.7)	CEP250 (2.2)	BUD13 (2.0)
SMARCA4 (2.4)	ENSG00000236436 (2	PSMA5 (2.3)	PLEC (2.1)	KPNB1 (2.1)
SYPL2 (2.3)	GNAT2 (2.2)	PMFBP1 (2.2)	ATXN7L2 (2.1)	ENSG00000226806 (2
SYPL2 (2.3)	GNAT2 (2.2)	PMFBP1 (2.2)	ATXN7L2 (2.1)	ENSG00000226806 (2
SYPL2 (2.3)	GNAT2 (2.2)	PMFBP1 (2.2)	ATXN7L2 (2.1)	ENSG00000226806 (2
ENSG00000182329 (3	IFT172 (2.9)	POC5 (2.1)	COL4A3BP (1.8)	POLK (1.6)
GNAI3 (1.7)	ENSG00000226645 (1	OTX1 (1.5)	C19orf52 (1.4)	KPNB1 (1.4)
GSTM5 (2.2)	CYB561D1 (1.8)	OBP2B (1.8)	GPAM (1.7)	CEP250 (1.7)
ENSG00000226622 (1	TXNL4B (1.5)	GDF5 (1.5)	LPAL2 (1.4)	C11orf9 (1.4)
MYLIP (2.6)	BMPR2 (2.4)	ABO (2.4)	KANK2 (1.9)	ZNF821 (1.9)
ENSG00000182329 (2	LPAL2 (1.7)	NCAN (1.6)	OBP2B (1.5)	ZNF821 (1.5)
SLC44A2 (2.0)	ENSG00000236267 (2	IZUMO1 (1.9)	CYB561D1 (1.9)	ENSG00000231204 (1
PVR (1.7)	ATXN1L (1.6)	DHODH (1.5)	TXNL4B (1.5)	C12orf43 (1.5)
PVR (1.7)	ATXN1L (1.6)	DHODH (1.5)	TXNL4B (1.5)	C12orf43 (1.5)
C19orf52 (2.1)	PVR (1.9)	SUMO1 (1.7)	ATXN7L2 (1.7)	SPATC1 (1.7)
PSMA5 (1.6)	DNAH11 (1.4)	ENSG00000226648 (1	DOCK7 (1.2)	C19orf80 (1.2)
GDF5 (2.1)	FUT2 (1.8)	CILP2 (1.7)	POLK (1.5)	YSK4 (1.5)
USP1 (3.7)	ZRANB3 (2.7)	CEP250 (2.0)	NUP93 (1.7)	POC5 (1.6)
TXNL4B (1.9)	SARS (1.7)	PLEC (1.6)	GRINA (1.5)	CLPTM1 (1.5)
OBP2B (1.7)	KANK2 (1.7)	SPATC1 (1.6)	ZRANB3 (1.6)	ABO (1.6)
GCKR (2.4)	ANGPTL3 (2.2)	LPA (2.2)	C11orf9 (2.1)	ABCG8 (2.1)
RASIP1 (2.1)	GNAI3 (2.0)	RAB3GAP1 (1.9)	SNX17 (1.8)	ABCA6 (1.7)
ZNF513 (2.6)	LPAR2 (2.5)	RASIP1 (2.3)	KRTCAP3 (2.0)	ENSG00000226645 (1
GNAI3 (2.8)	DARS (2.4)	IST1 (2.2)	KPNB1 (2.2)	NRBP1 (2.1)
TRAM2 (1.9)	KANK2 (1.6)	PLCG1 (1.6)	IZUMO1 (1.6)	PPM1G (1.5)
IZUMO1 (2.2)	HNF1A (2.1)	CARM1 (2.1)	HAVCR1 (2.0)	R3HDM1 (1.8)
MAP3K4 (2.5)	DOCK6 (2.3)	NCAN (2.2)	DOCK7 (2.0)	LIPG (2.0)
PBX4 (1.6)	ENSG00000231204 (1	ENSG00000244861 (1	C19orf80 (1.3)	IZUMO1 (1.3)
R3HDM1 (2.5)	ENSG00000226622 (2	ENSG00000236436 (2	DOCK7 (2.0)	ATP13A1 (1.9)
CYB561D1 (2.5)	PLEC (2.4)	NFE2L3 (2.4)	CETP (2.2)	TIMD4 (1.8)
C17orf57 (2.2)	CYP26A1 (2.0)	LPAR2 (1.9)	ABCA6 (1.9)	GDF5 (1.8)
ENSG00000226645 (1	GPAM (1.8)	DOCK7 (1.8)	MYLIP (1.8)	C19orf52 (1.7)
IST1 (2.4)	UBXN4 (2.2)	NRBP1 (1.8)	BCAM (1.8)	SNX17 (1.7)
ENSG00000244861 (1	C17orf57 (1.8)	HNF1A (1.7)	HAPLN4 (1.7)	LPIN3 (1.7)
LPL (2.4)	FER1L4 (2.1)	AMIGO1 (2.1)	GPAM (1.9)	C19orf52 (1.7)
GNAI3 (2.3)	GMIP (1.9)	GATAD2A (1.9)	CLPTM1 (1.9)	PPM1G (1.8)
OBP2B (2.4)	PLG (2.1)	ZHX3 (2.0)	IZUMO1 (1.8)	HNF4A (1.6)
LPAR2 (2.1)	FNDC4 (2.1)	PBX4 (2.1)	ABO (1.9)	PVR (1.9)
FUT2 (1.7)	SLC44A2 (1.6)	C17orf57 (1.4)	ENSG00000236436 (1	CYP26A1 (1.4)
TBKBP1 (2.8)	ENSG00000226806 (2	IZUMO1 (2.0)	SPATC1 (1.8)	SLC44A2 (1.8)
ABO (2.1)	KRTCAP3 (2.0)	FNDC4 (1.5)	TIMD4 (1.4)	APOC1 (1.4)
PMFBP1 (2.0)	ABO (2.0)	SPATC1 (1.8)	AMIGO1 (1.7)	ENSG00000226622 (1

GNAI3 (1.8)	PVRL2 (1.8)	LIPC (1.5)	DOCK6 (1.4)	GCKR (1.4)
BCAM (1.9)	SORT1 (1.6)	TBKBP1 (1.6)	KANK2 (1.6)	SLC22A3 (1.5)
ZRANB3 (3.0)	NUP93 (2.6)	PPM1G (2.1)	GOT2P1 (2.1)	AMIGO1 (1.8)
USP1 (2.6)	IST1 (2.6)	SMARCA4 (2.6)	NOP58 (2.6)	DHX38 (2.4)
ERGIC3 (1.6)	NYNRIN (1.6)	NFE2L3 (1.6)	FUT2 (1.6)	USP24 (1.6)
NPEPPS (2.3)	SNX17 (2.3)	SUGP1 (2.2)	SUMO1 (2.2)	C12orf43 (2.0)
ZRANB3 (3.0)	PSRC1 (2.6)	NUP93 (2.4)	KPNB1 (2.4)	PPM1G (2.3)
PVRL2 (2.2)	ENSG00000228044 (2	GDF5 (2.1)	LIPC (2.1)	HNF4A (2.0)
TBKBP1 (2.8)	MAFB (2.6)	GRINA (2.5)	ATXN1L (2.5)	TRAM2 (1.9)
OTX1 (2.5)	CELSR2 (2.3)	FADS2 (2.3)	FADS1 (2.2)	NYNRIN (2.1)
HNF1A (2.3)	RAB3GAP1 (2.3)	APOA4 (2.1)	MAP3K4 (2.0)	TM6SF2 (2.0)
ABCA1 (1.7)	NFE2L3 (1.7)	KPNB1 (1.7)	TOP1 (1.6)	SARS (1.6)
GATAD2A (2.4)	PPM1G (2.3)	IST1 (2.1)	NOP58 (2.0)	TXNL4B (1.8)
GATAD2A (2.4)	PPM1G (2.3)	IST1 (2.1)	NOP58 (2.0)	TXNL4B (1.8)
GATAD2A (2.4)	PPM1G (2.3)	IST1 (2.1)	NOP58 (2.0)	TXNL4B (1.8)
ENSG00000226806 (2	ST3GAL4 (2.3)	CILP2 (2.1)	PMFBP1 (2.1)	CYP26A1 (2.0)
FEN1 (2.6)	ZRANB3 (2.5)	DARS (2.0)	SUMO1 (1.9)	SNX17 (1.9)
TRAM2 (1.9)	PLEC (1.9)	CYB561D1 (1.8)	ENSG00000226645 (1	SLC22A2 (1.7)
NPEPPS (2.8)	CLPTM1 (2.4)	PGS1 (2.3)	OTX1 (2.1)	SNX17 (2.0)
IZUMO1 (2.0)	KRTCAP3 (2.0)	ABCG8 (1.9)	ENSG00000226645 (1	GPAM (1.5)
GOT2P1 (2.3)	TSSK6 (1.9)	FNDC4 (1.9)	FGF21 (1.9)	ATXN7L2 (1.7)
GOT2P1 (2.3)	TSSK6 (1.9)	FNDC4 (1.9)	FGF21 (1.9)	ATXN7L2 (1.7)
APOE (2.1)	TIMD4 (1.9)	GRINA (1.8)	RAB3GAP1 (1.5)	GMIP (1.5)
BCAM (2.5)	C11orf9 (2.1)	EHBP1 (2.0)	ENSG00000226622 (1	ZNF821 (1.8)
HAPLN4 (3.4)	GNAT2 (3.0)	RAB3GAP1 (2.5)	ABCG5 (2.4)	TM6SF2 (2.3)
ATP13A1 (2.3)	CYB561D1 (2.2)	TXNL4B (1.9)	NFE2L3 (1.7)	GRINA (1.6)
ZHX3 (2.7)	MYLIP (2.3)	ABCA1 (2.3)	DHX38 (2.3)	ATP13A1 (2.2)
MAMSTR (1.5)	TRIM54 (1.5)	PGS1 (1.4)	ENSG00000236267 (1	DNAH11 (1.2)
CETP (2.5)	NFE2L3 (1.9)	ZNF821 (1.9)	IZUMO1 (1.7)	GRINA (1.6)
ENSG00000226648 (1	PVRL2 (1.7)	GATAD2A (1.5)	FEN1 (1.4)	ZRANB3 (1.4)
NUP93 (2.9)	NOP58 (2.7)	TOP1 (2.6)	PPM1G (2.5)	C12orf43 (2.3)
R3HDM1 (2.2)	ATXN7L2 (2.2)	IZUMO1 (1.8)	IFT172 (1.7)	ZNF821 (1.7)
GPAM (2.0)	GMIP (1.9)	PLEC (1.9)	GRINA (1.9)	SLC22A1 (1.9)
AMIGO1 (2.0)	C17orf57 (1.9)	MAFB (1.9)	OTX1 (1.6)	ATXN1L (1.5)
POC5 (2.7)	LPIN3 (2.1)	MAP3K4 (1.6)	USP1 (1.6)	KPNB1 (1.6)
TRAM2 (1.7)	IST1 (1.6)	ENSG00000235545 (1	C19orf52 (1.4)	GNAI3 (1.3)
PPM1G (1.9)	KPNB1 (1.9)	SMARCA4 (1.7)	SUMO1 (1.7)	RELB (1.7)
GATAD2A (1.8)	ST3GAL4 (1.6)	ENSG00000236436 (1	OBP2B (1.5)	RASIP1 (1.4)
PMFBP1 (2.0)	ABO (1.9)	LPAL2 (1.7)	PVRL2 (1.7)	DNAH11 (1.6)
MYLIP (2.0)	PARP10 (1.8)	GMIP (1.7)	SLC22A3 (1.6)	OBP2B (1.5)
POLK (1.4)	ABO (1.4)	NFE2L3 (1.4)	C17orf57 (1.3)	NYNRIN (1.3)
USP1 (3.0)	ZRANB3 (2.9)	POLK (2.3)	KPNB1 (2.3)	SMARCA4 (2.0)
HNF1A (2.2)	ENSG00000231204 (1	SLC22A3 (1.7)	LPL (1.5)	COL4A3BP (1.5)
NYNRIN (2.3)	FNDC4 (2.0)	ZNF821 (2.0)	PLCG1 (1.8)	GATAD2A (1.7)
GPR61 (1.8)	ABCA5 (1.8)	PBX4 (1.5)	MAU2 (1.3)	DNAH11 (1.3)
CEP250 (2.2)	GDF5 (2.1)	NPEPPS (1.9)	FER1L4 (1.8)	KANK2 (1.8)
CILP2 (1.9)	NYNRIN (1.8)	OBP2B (1.7)	PLCG1 (1.5)	C17orf57 (1.5)
ABCA6 (1.9)	NPEPPS (1.7)	ABCG8 (1.5)	PLCG1 (1.4)	LPAR2 (1.4)
GNAT2 (2.5)	BCAM (2.0)	HAVCR1 (1.7)	LPAR2 (1.7)	OTX1 (1.7)
IST1 (2.1)	PSMA5 (1.9)	SARS (1.9)	GNAI3 (1.8)	GATAD2A (1.8)

DHODH (3.1)	IFT172 (3.0)	FGF21 (2.6)	PSMA5 (2.5)	USP24 (2.3)
DHODH (3.1)	IFT172 (3.0)	FGF21 (2.6)	PSMA5 (2.5)	USP24 (2.3)
DHODH (3.1)	IFT172 (3.0)	FGF21 (2.6)	PSMA5 (2.5)	USP24 (2.3)
YIPF2 (2.0)	GSTM4 (1.9)	TM6SF2 (1.8)	FUT1 (1.8)	SORT1 (1.8)
ENSG00000226648 (1	NCAN (1.8)	GSTM5 (1.6)	TBKBP1 (1.6)	CYP26A1 (1.6)
DHODH (2.6)	MCM6 (2.2)	FEN1 (2.1)	C12orf43 (2.0)	KRTCAP3 (1.9)
CLPTM1 (2.2)	SORT1 (2.0)	RP1 (1.9)	LPIN3 (1.9)	GSTM5 (1.7)
ENSG00000228044 (1	AMIGO1 (1.9)	MYLIP (1.8)	CILP2 (1.7)	HMGCR (1.5)
FUT1 (2.0)	NUP93 (1.9)	FEN1 (1.9)	SLC22A2 (1.6)	IGF2R (1.5)
FUT1 (2.0)	NUP93 (1.9)	FEN1 (1.9)	SLC22A2 (1.6)	IGF2R (1.5)
PPM1G (2.1)	PCSK9 (2.0)	ENSG00000236436 (1	SUGP1 (1.8)	MAP3K4 (1.7)
ZRANB3 (2.0)	SLC22A2 (1.9)	ZHX3 (1.9)	YSK4 (1.8)	CARM1 (1.8)
OBP2B (2.5)	OTX1 (2.4)	ZNF821 (2.3)	ABO (1.5)	ZRANB3 (1.5)
RELB (2.2)	GSTM4 (2.1)	ENSG00000244861 (2	CYB561D1 (2.1)	ENSG00000226645 (2
DHODH (2.0)	USP24 (1.8)	BUD13 (1.7)	FER1L4 (1.6)	SMARCA4 (1.4)
DHODH (2.0)	USP24 (1.8)	BUD13 (1.7)	FER1L4 (1.6)	SMARCA4 (1.4)
HNF4A (4.5)	ANGPTL3 (4.2)	SLC22A1 (2.5)	ENSG00000182329 (2	FGF21 (1.8)
NYNRIN (2.7)	CELSR2 (2.5)	TBKBP1 (2.0)	RASIP1 (1.9)	CBLC (1.6)
ZNF821 (1.5)	ZNF513 (1.5)	BUD13 (1.3)	MAMSTR (1.3)	POLK (1.3)
ENSG00000226648 (1	CYP26A1 (1.4)	MAMSTR (1.4)	IZUMO1 (1.3)	ENSG00000228044 (1
USP1 (3.9)	ZRANB3 (3.6)	POC5 (3.3)	NUP93 (3.0)	DHX38 (2.0)
ABCA1 (2.0)	ATXN7L2 (1.9)	OTX1 (1.6)	CELSR2 (1.6)	LDLR (1.6)
PBX4 (2.4)	PARP10 (2.3)	GMIP (2.2)	TIMD4 (1.6)	SLC44A2 (1.4)
NYNRIN (1.7)	ABO (1.6)	TBKBP1 (1.5)	ZNF821 (1.4)	PLCG1 (1.4)
OBP2B (2.4)	LPAL2 (2.3)	YSK4 (2.1)	CYP26A1 (2.0)	ENSG00000254235 (1
YIPF2 (1.8)	TOP1 (1.6)	ENSG00000226622 (1	PLCG1 (1.6)	ABCA1 (1.6)
BMPR2 (2.3)	PVR (2.3)	POLK (1.9)	ZNF821 (1.5)	EHBP1 (1.5)
DARS (2.8)	SUGP1 (2.6)	IST1 (2.5)	PLCG1 (2.3)	GATAD2A (2.2)
CYP26A1 (2.4)	RELB (2.4)	TXNL4B (2.4)	POC5 (2.0)	PGS1 (1.8)
ATXN1L (2.0)	PVR (2.0)	GNAI3 (1.7)	LPAL2 (1.6)	RELB (1.5)
MYLIP (2.6)	IGF2R (2.2)	SLC22A2 (2.1)	OASL (1.6)	CYP26A1 (1.6)
AMIGO1 (2.1)	FER1L4 (2.1)	LPL (2.1)	C19orf52 (1.8)	GPAM (1.7)
NYNRIN (2.1)	DOCK7 (2.0)	OBP2B (1.8)	ENSG00000182329 (1	ATXN1L (1.5)
GATAD2A (2.6)	IST1 (2.5)	KANK2 (2.5)	NOP58 (2.1)	GNAI3 (1.9)
SNX17 (2.1)	USP1 (2.0)	LPIN3 (1.9)	MCM6 (1.8)	OTX1 (1.8)
GPR61 (1.7)	IZUMO1 (1.7)	OASL (1.6)	ENSG00000256731 (1	CBLC (1.5)
PLEC (2.6)	CARM1 (2.4)	SMARCA4 (2.3)	CELSR2 (2.2)	KPNB1 (2.2)
CELSR2 (2.2)	SMARCA4 (2.2)	MYLIP (2.1)	CARM1 (2.0)	GRINA (2.0)
BUD13 (2.6)	SUMO1 (2.5)	TXNL4B (2.4)	MAU2 (2.2)	IZUMO1 (1.8)
ENSG00000226645 (1	TXNL4B (1.9)	DNAH11 (1.7)	SPATC1 (1.6)	SLC22A3 (1.6)
GMIP (2.5)	C17orf57 (2.2)	ENSG00000256731 (2	C19orf80 (1.9)	TRIB1 (1.7)
CELSR2 (1.6)	ERGIC3 (1.6)	C17orf57 (1.6)	PVRL2 (1.4)	MYLIP (1.3)
CILP2 (1.9)	LPL (1.8)	PVR (1.8)	APOE (1.7)	KRTCAP3 (1.5)
TXNL4B (2.1)	IST1 (2.1)	SUMO1 (2.1)	HNF1A (2.0)	ENSG00000226806 (2
PBX4 (2.2)	MAP3K4 (2.0)	LPAR2 (2.0)	ZNF513 (1.8)	SPATC1 (1.8)
PARP10 (2.5)	PLCG1 (2.5)	IZUMO1 (2.5)	GMIP (2.3)	PBX4 (2.3)
C12orf43 (1.9)	NPEPPS (1.8)	KPNB1 (1.7)	GNAI3 (1.7)	ABCA6 (1.7)
ZRANB3 (3.2)	NUP93 (2.3)	AMIGO1 (2.3)	KPNB1 (1.8)	CEP250 (1.7)
GMIP (1.9)	ST3GAL4 (1.8)	DNAH11 (1.7)	ENSG00000236267 (1	CILP2 (1.6)
TBKBP1 (1.9)	PLCG1 (1.7)	ENSG00000226622 (1	IGF2R (1.6)	ABCA5 (1.6)

ERGIC3 (2.1)	TIMD4 (2.1)	GSTM4 (2.1)	TRAM2 (2.0)	HNF1A (1.8)
C19orf52 (2.0)	GSTM5 (1.9)	GOT2P1 (1.7)	GSTM4 (1.6)	ENSG00000256731 (1
IGF2R (2.0)	SLC44A2 (2.0)	GATAD2A (1.8)	SMARCA4 (1.7)	SLC22A2 (1.7)
PMFBP1 (2.4)	ENSG00000236267 (2	IZUMO1 (2.0)	C11orf9 (1.8)	LPIN3 (1.8)
ENSG00000244861 (1	YSK4 (1.4)	UBXN4 (1.3)	SLC44A2 (1.3)	GRINA (1.3)
HNF1A (2.0)	NYNRIN (1.9)	C19orf52 (1.8)	OTX1 (1.6)	TSSK6 (1.6)
PSRC1 (4.0)	ZRANB3 (3.2)	POC5 (2.9)	NUP93 (2.3)	CEP250 (2.1)
APOC3 (2.1)	APOB (2.1)	KRTCAP3 (2.0)	SLC22A1 (2.0)	PVR (1.9)
USP1 (4.2)	ZRANB3 (3.6)	POC5 (3.1)	NUP93 (3.0)	KPNB1 (2.0)
CEP250 (2.2)	FGF21 (2.2)	ATXN1L (2.1)	GATAD2A (2.0)	GDF5 (1.9)
MYLIP (1.8)	KANK2 (1.7)	HNF4A (1.6)	ABO (1.5)	GDF5 (1.5)
FGF21 (2.4)	DARS (2.3)	ENSG00000182329 (2	PVRL2 (2.2)	SNX17 (2.1)
LPIN3 (2.0)	SPATC1 (1.9)	SYPL2 (1.8)	FADS2 (1.8)	PMFBP1 (1.7)
LPIN3 (2.0)	SPATC1 (1.9)	SYPL2 (1.8)	FADS2 (1.8)	PMFBP1 (1.7)
NRBP1 (3.1)	CARM1 (2.8)	RAB3GAP1 (2.5)	PARP10 (2.0)	ATXN7L2 (1.6)
LDLR (2.6)	C12orf43 (2.4)	FADS2 (2.3)	SMARCA4 (2.3)	NUP93 (2.0)
NUP93 (1.7)	YSK4 (1.6)	GATAD2A (1.6)	C11orf9 (1.6)	ENSG00000256731 (1
CYP26A1 (2.1)	LPAR2 (2.0)	NYNRIN (1.9)	HNF4A (1.8)	ENSG00000226806 (1
MCM6 (2.4)	LPIN3 (2.0)	NUP93 (1.7)	ZRANB3 (1.6)	IST1 (1.5)
KPNB1 (2.0)	TOP1 (1.9)	GATAD2A (1.7)	DHX38 (1.7)	ERGIC3 (1.6)
PARP10 (1.8)	ENSG00000226622 (1	NFE2L3 (1.8)	SUMO1 (1.8)	SNX17 (1.6)
KANK2 (2.6)	ATXN7L2 (2.4)	IGF2R (2.0)	BCAM (1.6)	CYP26A1 (1.6)
IGF2R (2.6)	GDF5 (2.5)	ATXN7L2 (2.3)	CYP26A1 (2.1)	KANK2 (1.8)
NOP58 (2.3)	POLK (2.2)	BUD13 (2.1)	SUMO1 (1.8)	DHODH (1.7)
IZUMO1 (1.9)	YSK4 (1.8)	ENSG00000236436 (1	GPR61 (1.5)	GNAT2 (1.3)
FUT2 (2.1)	PVR (1.6)	SORT1 (1.5)	PLCG1 (1.5)	SNX17 (1.4)
ZRANB3 (3.2)	PPM1G (2.3)	CEP250 (2.3)	NOP58 (2.0)	SMARCA4 (2.0)
MAP3K4 (2.4)	TOMM40 (2.3)	MAU2 (2.2)	IFT172 (2.1)	POC5 (2.0)
KANK2 (2.2)	C11orf9 (2.1)	PVRL2 (1.8)	HNF4A (1.4)	GMIP (1.4)
ENSG00000228044 (2	CYB561D1 (2.1)	LPAR2 (2.0)	GMIP (2.0)	PVR (1.9)
DARS (2.2)	GPAM (2.1)	LPL (2.0)	C19orf52 (1.5)	MYLIP (1.4)
TOMM40 (2.0)	ENSG00000226648 (1	DHODH (1.8)	ZNF513 (1.7)	PPM1G (1.7)
CARM1 (2.5)	RASIP1 (1.5)	LPL (1.3)	LPA (1.3)	C17orf57 (1.2)
PARP10 (1.8)	GRINA (1.8)	PBX4 (1.7)	SMARCA4 (1.7)	ENSG00000244861 (1
CYP26A1 (2.0)	ENSG00000236436 (1	GOT2P1 (1.8)	FUT2 (1.8)	ABO (1.5)
C19orf52 (2.3)	SUGP1 (2.2)	ENSG00000226645 (2	CARM1 (1.9)	ZNF513 (1.9)
C19orf52 (2.3)	SUGP1 (2.2)	ENSG00000226645 (2	CARM1 (1.9)	ZNF513 (1.9)
NUP93 (2.5)	GOT2P1 (2.4)	CARM1 (2.3)	DARS (2.1)	SUGP1 (2.0)
TIMD4 (2.0)	PBX4 (1.9)	ABCA6 (1.7)	ENSG00000235545 (1	R3HDM1 (1.4)
PMFBP1 (1.4)	GSTM4 (1.3)	OTX1 (1.2)	ZRANB3 (1.1)	C11orf9 (0.9)
BCAM (2.0)	ZNF821 (1.8)	ENSG00000235545 (1	TSSK6 (1.8)	NYNRIN (1.7)
TXNL4B (2.4)	FEN1 (1.9)	FADS2 (1.8)	MCM6 (1.8)	DARS (1.8)
ABO (1.9)	RP1 (1.9)	CYP26A1 (1.8)	NYNRIN (1.8)	C11orf9 (1.6)
NYNRIN (1.9)	ENSG00000182329 (1	ENSG00000254235 (1	TSSK6 (1.4)	BCAM (1.3)
ZRANB3 (3.7)	USP1 (3.1)	KPNB1 (1.5)	NUP93 (1.5)	CEP250 (1.5)
IZUMO1 (1.8)	ENSG00000244861 (1	TXNL4B (1.6)	NPEPPS (1.5)	LPA (1.5)
PVRL2 (2.2)	BMPR2 (2.1)	NYNRIN (2.0)	LIPG (1.8)	ERGIC3 (1.5)
ENSG00000226645 (1	PVR (1.6)	LPL (1.6)	C19orf80 (1.5)	GPAM (1.5)
ENSG00000254235 (2	ENSG00000226645 (2	ENSG00000236267 (2	C19orf80 (2.0)	LPAR2 (1.9)
KANK2 (2.6)	HAVCR1 (2.1)	SLC44A2 (1.8)	GMIP (1.8)	GATAD2A (1.8)

ZNF259 (3.3)	PSMA5 (2.8)	SUGP1 (2.7)	NUP93 (2.3)	NOP58 (2.2)
ENSG00000231204 (2	C19orf52 (1.8)	FGF21 (1.6)	MAFB (1.6)	LIPG (1.5)
PMFBP1 (1.6)	C11orf9 (1.5)	ABO (1.5)	ABCA1 (1.4)	NCAN (1.2)
ZRANB3 (2.8)	LPIN3 (2.8)	PLCG1 (2.5)	GRINA (2.4)	ENSG00000226648 (2
ZHX3 (2.0)	RASIP1 (1.9)	C19orf52 (1.9)	SLC44A2 (1.7)	TSSK6 (1.6)
SMARCA4 (2.9)	GATAD2A (2.9)	NUP93 (2.3)	PSRC1 (2.3)	PPM1G (2.3)
HAVCR1 (2.1)	ZNF821 (1.8)	NYNRIN (1.6)	ENSG00000235545 (1	TSSK6 (1.5)
ENSG00000236267 (2	LPAL2 (2.4)	CETP (2.4)	GOT2P1 (2.3)	ENSG00000235545 (2
CARM1 (2.1)	NUP93 (1.9)	FGF21 (1.7)	R3HDM1 (1.6)	C17orf57 (1.5)
MAFB (2.0)	POLK (1.8)	GDF5 (1.8)	CYP26A1 (1.6)	ENSG00000235545 (1
NOP58 (1.9)	DHODH (1.8)	SUMO1 (1.7)	TXNL4B (1.6)	SARS (1.5)
PBX4 (3.2)	GMIP (3.0)	CEP250 (2.4)	NFE2L3 (1.6)	SMARCA4 (1.6)
HNF4A (2.0)	SUMO1 (1.9)	DNAH11 (1.8)	C11orf9 (1.5)	AMPD2 (1.4)
PSMA5 (2.1)	HNF1A (2.1)	ERGIC3 (2.0)	KPNB1 (1.8)	CYB561D1 (1.7)
ATXN1L (2.2)	PLCG1 (2.1)	TOP1 (1.9)	SMARCA4 (1.7)	MAFB (1.7)
GRINA (1.7)	TOP1 (1.5)	USP24 (1.5)	FADS2 (1.5)	SLC44A2 (1.5)
TOP1 (1.9)	ATXN7L2 (1.8)	ZNF513 (1.8)	DHX38 (1.6)	LPIN3 (1.5)
HAPLN4 (1.9)	PVR (1.8)	ABO (1.7)	OBP2B (1.7)	PCSK9 (1.7)
DARS (3.0)	KPNB1 (2.5)	SNX17 (2.4)	PSMA5 (2.0)	IGF2R (2.0)
IZUMO1 (3.2)	ENSG00000228044 (2	ENSG00000226622 (1	OBP2B (1.2)	ENSG00000231204 (1
NCAN (2.0)	PLEC (1.9)	HAVCR1 (1.9)	POLK (1.7)	IST1 (1.6)
RAB3GAP1 (2.0)	TXNL4B (2.0)	C19orf52 (1.8)	DARS (1.6)	ATXN1L (1.6)
ZRANB3 (4.4)	NUP93 (3.4)	CEP250 (2.5)	PPM1G (2.4)	PSRC1 (2.4)
ZRANB3 (4.2)	NUP93 (2.4)	PSRC1 (1.9)	KPNB1 (1.7)	DARS (1.7)
POLK (2.1)	HMGCR (2.1)	CYB561D1 (2.0)	PVR (2.0)	ABCG8 (1.9)
ABCG8 (2.6)	ENSG00000226645 (2	ENSG00000236267 (2	C19orf80 (2.1)	ENSG00000182329 (2
LIPG (2.9)	CILP2 (2.2)	CYP26A1 (2.0)	FUT2 (1.9)	GSTM5 (1.8)
NCAN (2.5)	LPAL2 (2.0)	LCT (1.9)	SLC44A2 (1.8)	ENSG00000182329 (1
LPAL2 (1.9)	PGS1 (1.8)	ENSG00000235545 (1	PBX4 (1.6)	ST3GAL4 (1.6)
LPAL2 (1.9)	PGS1 (1.8)	ENSG00000235545 (1	PBX4 (1.6)	ST3GAL4 (1.6)
GOT2P1 (2.5)	RASIP1 (2.3)	LIPG (2.0)	LPAL2 (2.0)	FGF21 (1.9)
ENSG00000236436 (2	OBP2B (1.7)	FGF21 (1.7)	PCSK9 (1.6)	YSK4 (1.4)
OTX1 (2.3)	MYLIP (2.0)	YSK4 (1.8)	HAPLN4 (1.8)	FADS2 (1.7)
PGS1 (1.4)	MAMSTR (1.4)	TRIM54 (1.3)	ZNF513 (1.2)	ST3GAL4 (1.2)
ENSG00000226648 (1	C17orf57 (1.4)	FER1L4 (1.4)	BCAM (1.3)	HAVCR1 (1.3)
OBP2B (2.2)	HNF1A (2.2)	ENSG00000226806 (2	GPAM (1.6)	ABCA1 (1.5)
ENSG00000244861 (1	GNAI3 (1.7)	GPAM (1.6)	ZNF513 (1.6)	COL4A3BP (1.4)
GATAD2A (2.2)	TOMM40 (2.1)	KPNB1 (1.9)	ZNF259 (1.8)	TOP1 (1.7)
USP1 (4.5)	NUP93 (3.3)	POC5 (2.8)	PSRC1 (2.2)	DARS (2.1)
FUT2 (2.8)	ST3GAL4 (2.5)	ANGPTL3 (2.0)	HNF1A (1.9)	LIPG (1.8)
PGS1 (2.5)	ABCA6 (2.3)	PARP10 (2.2)	CYB561D1 (1.9)	ZNF259 (1.7)
FUT2 (2.5)	PLEC (2.2)	GATAD2A (2.1)	OTX1 (2.0)	ABO (1.9)
GSTM5 (2.1)	SLC22A3 (1.9)	KANK2 (1.7)	ERGIC3 (1.7)	C12orf43 (1.6)
DARS (1.8)	DOCK7 (1.7)	YSK4 (1.7)	KPNB1 (1.7)	NUP93 (1.6)
ZNF821 (2.2)	ENSG00000254235 (2	CARM1 (1.9)	KANK2 (1.8)	C19orf52 (1.8)
NYNRIN (2.3)	C11orf9 (1.7)	ZHX3 (1.7)	ENSG00000236436 (1	MYLIP (1.6)
IFT172 (2.1)	SNX17 (2.1)	C19orf52 (1.9)	SARS (1.5)	HAPLN4 (1.5)
FER1L4 (2.0)	CYB561D1 (1.9)	ENSG00000231204 (1	DOCK7 (1.8)	CELSR2 (1.7)
ENSG00000235545 (1	ENSG00000254235 (1	PGS1 (1.7)	ST3GAL4 (1.5)	PBX4 (1.5)
ZRANB3 (3.1)	CEP250 (2.4)	NUP93 (2.3)	PPM1G (1.9)	ENSG00000235545 (1

ZRANB3 (3.1)	CEP250 (2.4)	NUP93 (2.3)	PPM1G (1.9)	ENSG00000235545 (1
ENSG00000226806 (2	PLEC (2.4)	LPAR2 (2.0)	SMARCA4 (1.8)	SLC44A2 (1.7)
TXNL4B (2.5)	ATXN1L (2.3)	DHODH (2.2)	UBXN4 (2.0)	KPNB1 (1.9)
IZUMO1 (3.0)	ENSG00000228044 (1	OBP2B (1.8)	ENSG00000226622 (1	SUMO1 (1.1)
NUP93 (2.6)	MAP3K4 (2.5)	ENSG00000226645 (2	SMARCA4 (2.3)	ZNF259 (2.0)
MAP3K4 (2.1)	ATXN1L (2.0)	GSTM4 (1.8)	CARM1 (1.8)	RAB3GAP1 (1.8)
PSMA5 (1.7)	GRINA (1.7)	DARS (1.6)	OTX1 (1.3)	PVR (1.2)
LIPG (1.9)	C19orf52 (1.8)	ENSG00000254235 (1	GNAI3 (1.6)	MAFB (1.6)
PARP10 (2.3)	ERGIC3 (1.6)	GSTM4 (1.6)	CYB561D1 (1.5)	ENSG00000254235 (1
KANK2 (2.9)	SORT1 (2.5)	PVR (2.2)	PLEC (2.1)	ZHX3 (2.1)
ERGIC3 (2.2)	GSTM4 (2.1)	TIMD4 (2.0)	DHODH (1.9)	TRAM2 (1.9)
PVR (1.7)	ST3GAL4 (1.3)	MAFB (1.3)	RELB (1.3)	TXNL4B (1.2)
NFE2L3 (2.2)	ATXN1L (1.9)	PVRL2 (1.8)	ABCA6 (1.7)	ENSG00000236267 (1
AMPD2 (2.1)	SNX17 (1.9)	ST3GAL4 (1.8)	SORT1 (1.3)	HP (1.3)
AMPD2 (1.7)	TRIB1 (1.7)	FUT1 (1.7)	MAU2 (1.6)	MYLIP (1.6)
ENSG00000226622 (1	ABCA6 (1.5)	MAFB (1.5)	GSTM4 (1.5)	IZUMO1 (1.5)
CELSR2 (2.5)	CLPTM1 (2.5)	YIPF2 (2.4)	GRINA (1.7)	PCSK9 (1.5)
CYP26A1 (1.8)	ENSG00000236436 (1	PVRL2 (1.5)	DNAH11 (1.5)	KANK2 (1.4)
RAB3GAP1 (1.9)	IST1 (1.8)	ERGIC3 (1.8)	SARS (1.7)	ABCA5 (1.7)
TIMD4 (2.2)	GMIP (2.1)	CYB561D1 (1.8)	CETP (1.7)	POLK (1.7)
TOMM40 (2.1)	DARS (2.0)	BUD13 (1.9)	ENSG00000226645 (1	GATAD2A (1.8)
TBKBP1 (2.2)	PLEC (2.2)	NCAN (1.9)	CELSR2 (1.8)	PARP10 (1.8)
CARM1 (2.4)	ENSG00000236436 (2	PLCG1 (2.2)	MAMSTR (1.9)	C19orf52 (1.9)
TOMM40 (2.5)	USP24 (2.5)	ATP13A1 (2.4)	ZNF259 (2.4)	CARM1 (2.0)
ENSG00000182329 (2	LPIN3 (1.7)	PVRL2 (1.6)	BCAM (1.6)	R3HDM1 (1.6)
PSMA5 (1.8)	ZNF513 (1.7)	ERGIC3 (1.6)	MYLIP (1.6)	SLC22A2 (1.4)
GNAI3 (2.6)	DARS (2.5)	KPNB1 (2.5)	SARS (2.5)	PPM1G (2.5)
SLC44A2 (2.1)	TRAM2 (1.8)	ENSG00000254235 (1	MAFB (1.6)	BCAM (1.4)
ENSG00000254235 (1	LIPG (1.7)	DOCK6 (1.7)	MAFB (1.6)	SMARCA4 (1.6)
CBLC (1.9)	AMIGO1 (1.9)	FEN1 (1.8)	C12orf43 (1.7)	ABCA5 (1.6)
ENSG00000254235 (1	SNX17 (1.8)	ENSG00000256731 (1	ENSG00000226622 (1	SUGP1 (1.6)
CELSR2 (2.3)	OTX1 (2.2)	NCAN (1.9)	GSTM5 (1.9)	ENSG00000235545 (1
ENSG00000244861 (2	LIPG (2.2)	NCAN (2.1)	ZNF821 (1.9)	CYB561D1 (1.6)
ENSG00000244861 (2	LIPG (2.2)	NCAN (2.1)	ZNF821 (1.9)	CYB561D1 (1.6)
CYB561D1 (1.9)	OBP2B (1.8)	CYP26A1 (1.7)	NYNRIN (1.5)	IFT172 (1.5)
ABCG8 (2.9)	NCAN (2.8)	ABCG5 (2.8)	GPR61 (2.8)	HAPLN4 (2.5)
GPR61 (1.8)	CYP26A1 (1.5)	GDF5 (1.5)	ST3GAL4 (1.4)	ENSG00000231204 (1
PBX4 (2.5)	LIPG (2.3)	ENSG00000231204 (2	EHBP1 (2.0)	ENSG00000182329 (1
CILP2 (2.8)	NYNRIN (2.7)	LDLR (2.3)	FADS1 (2.3)	LIPG (2.2)
IFT172 (1.7)	MAP3K4 (1.6)	ABO (1.6)	HAVCR1 (1.5)	BMPR2 (1.5)
ENSG00000182329 (1	SLC44A2 (1.6)	FUT1 (1.5)	ENSG00000235545 (1	ERGIC3 (1.3)
FUT1 (2.0)	GPAM (1.9)	ABCA5 (1.9)	HAPLN4 (1.9)	GOT2P1 (1.8)
CYB561D1 (2.3)	ENSG00000256731 (2	ENSG00000236267 (1	GSTM5 (1.7)	HMGCR (1.7)
SPATC1 (2.1)	ENSG00000226648 (2	GMIP (2.1)	TIMD4 (2.0)	PBX4 (1.9)
HAVCR1 (2.1)	TIMD4 (1.8)	CETP (1.7)	GMIP (1.7)	SLC22A1 (1.6)
ENSG00000226645 (1	ENSG00000256731 (1	PBX4 (1.6)	IZUMO1 (1.6)	GPR61 (1.5)
LPL (2.0)	GDF5 (1.7)	APOE (1.4)	LPAR2 (1.4)	TXNL4B (1.4)
HAVCR1 (2.8)	PLG (2.6)	ANGPTL3 (2.3)	SYPL2 (1.9)	IZUMO1 (1.9)
POC5 (2.7)	TXNL4B (2.6)	FUT1 (2.5)	C12orf43 (2.5)	TOMM40 (2.4)
YIPF2 (2.4)	ATP13A1 (2.3)	IZUMO1 (2.3)	COL4A3BP (1.6)	LPIN3 (1.6)

NOP58 (2.4)	DHX38 (2.2)	GOT2P1 (1.9)	BUD13 (1.8)	PPM1G (1.6)
DHODH (3.0)	NUP93 (2.9)	TOMM40 (2.4)	ZNF259 (2.1)	SUGP1 (2.1)
PSRC1 (3.0)	ENSG00000228044 (2	ZRANB3 (2.4)	MAU2 (2.3)	ZNF821 (1.9)
TOMM40 (3.4)	KPNB1 (3.3)	PSMA5 (3.3)	UBXN4 (3.1)	GNAI3 (3.0)
TOMM40 (2.1)	ERGIC3 (2.1)	RAB3GAP1 (2.0)	PPM1G (1.8)	SLC22A3 (1.8)
DNAH11 (2.1)	GSTM5 (2.1)	GOT2P1 (2.0)	SPATC1 (1.8)	TSSK6 (1.7)
MAU2 (2.1)	GATAD2A (2.0)	ENSG00000226645 (1	SUGP1 (1.7)	ERGIC3 (1.5)
ABO (2.2)	ENSG00000231204 (2	NYNRIN (2.0)	KANK2 (1.9)	ZNF821 (1.9)
ZRANB3 (2.7)	NUP93 (2.5)	SUGP1 (2.4)	POC5 (2.3)	CEP250 (2.0)
FER1L4 (2.8)	LPL (2.4)	ST3GAL4 (1.9)	GDF5 (1.9)	ENSG00000231204 (1
FER1L4 (2.8)	LPL (2.4)	ST3GAL4 (1.9)	GDF5 (1.9)	ENSG00000231204 (1
ENSG00000254235 (2	ENSG00000236436 (2	LCT (2.0)	GPAM (1.8)	COL4A3BP (1.7)
MAP3K4 (2.7)	TOP1 (2.3)	TXNL4B (2.3)	BUD13 (2.1)	DHX38 (2.0)
ENSG00000226806 (1	IGF2R (1.8)	SUMO1 (1.6)	IZUMO1 (1.6)	LPIN3 (1.5)
ENSG00000226806 (1	IGF2R (1.8)	SUMO1 (1.6)	IZUMO1 (1.6)	LPIN3 (1.5)
AMIGO1 (1.7)	GDF5 (1.7)	ENSG00000228044 (1	ENSG00000244861 (1	IZUMO1 (1.4)
AMIGO1 (1.7)	GDF5 (1.7)	ENSG00000228044 (1	ENSG00000244861 (1	IZUMO1 (1.4)
C12orf43 (1.6)	ATXN1L (1.6)	BUD13 (1.5)	HAVCR1 (1.5)	ST3GAL4 (1.4)
PMFBP1 (2.4)	ENSG00000236436 (2	PLCG1 (1.7)	PGS1 (1.7)	ENSG00000226645 (1
ZRANB3 (3.2)	NUP93 (2.4)	CEP250 (2.0)	ENSG00000235545 (1	PPM1G (1.9)
FADS2 (2.8)	CLPTM1 (2.5)	ATP13A1 (2.5)	PCSK9 (2.3)	LIPG (2.2)
CETP (1.9)	USP24 (1.8)	GRINA (1.8)	LPL (1.7)	NCAN (1.7)
CLPTM1 (2.1)	C19orf52 (2.1)	SNX17 (2.0)	BUD13 (2.0)	SMARCA4 (1.8)
CETP (2.3)	CEP250 (1.2)	USP24 (1.2)	SLC22A3 (1.2)	GRINA (1.2)
ENSG00000254235 (1	SLC22A1 (1.7)	ANGPTL3 (1.7)	RELB (1.6)	HP (1.5)
SUMO1 (2.4)	DOCK6 (2.2)	OBP2B (2.2)	PVRL2 (2.1)	IFT172 (1.9)
ZRANB3 (4.7)	NUP93 (2.8)	KPNB1 (2.2)	PSRC1 (2.1)	CEP250 (1.7)
ENSG00000226645 (1	CETP (1.7)	ZNF513 (1.6)	IZUMO1 (1.5)	SPATC1 (1.5)
NUP93 (2.6)	TXNL4B (2.5)	CEP250 (2.3)	POC5 (2.2)	SARS (2.1)
DHX38 (2.8)	NOP58 (2.7)	C12orf43 (2.4)	ZNF259 (2.1)	DHODH (2.0)
PPM1G (2.3)	NUP93 (2.3)	KPNB1 (2.2)	ENSG00000235545 (2	SNX17 (2.1)
TOP1 (2.5)	GRINA (2.4)	ZHX3 (2.1)	RASIP1 (1.9)	GOT2P1 (1.6)
HNF1A (1.9)	AMIGO1 (1.8)	ENSG00000228044 (1	AMPD2 (1.6)	GPR61 (1.6)
SMARCA4 (2.2)	ZRANB3 (2.1)	FEN1 (2.1)	NUP93 (2.1)	SUMO1 (2.0)
OBP2B (2.2)	PLG (2.1)	ENSG00000231204 (2	SLC44A2 (1.7)	GSTM5 (1.5)
OBP2B (2.2)	EHBP1 (2.0)	FUT2 (2.0)	CELSR2 (2.0)	APOE (1.9)
MAMSTR (2.3)	GPR61 (2.0)	R3HDM1 (1.9)	FUT2 (1.8)	NCAN (1.7)
ENSG00000226645 (1	ZNF513 (1.8)	CETP (1.7)	SPATC1 (1.6)	KRTCAP3 (1.4)
GDF5 (2.1)	LIPC (2.0)	IGF2R (1.9)	ENSG00000231204 (1	SLC22A1 (1.4)
APOE (2.2)	TIMD4 (2.1)	BCAM (1.9)	CETP (1.8)	APOC1 (1.8)
ENSG00000228044 (2	SPATC1 (2.8)	ENSG00000236436 (2	ENSG00000231204 (1	ENSG00000236267 (1
LPAL2 (2.1)	PCSK9 (2.0)	POLK (1.9)	GATAD2A (1.8)	ENSG00000236267 (1
R3HDM1 (2.3)	MAMSTR (2.2)	FER1L4 (2.0)	PMFBP1 (1.9)	EHBP1 (1.8)
CYB561D1 (1.8)	C19orf52 (1.6)	GRINA (1.6)	C12orf43 (1.6)	RELB (1.6)
TOMM40 (2.2)	NUP93 (2.1)	SUGP1 (2.0)	ERGIC3 (2.0)	DHX38 (2.0)
YSK4 (1.5)	GDF5 (1.5)	TRAM2 (1.4)	ENSG00000226622 (1	TXNL4B (1.4)
YSK4 (1.7)	FNDC4 (1.5)	ENSG00000226622 (1	AMPD2 (1.3)	IFT172 (1.3)
NRBP1 (2.4)	COL4A3BP (2.0)	SMARCA4 (2.0)	SLC44A2 (1.9)	PVRL2 (1.9)
ZNF821 (1.6)	TM6SF2 (1.6)	CYP26A1 (1.5)	CETP (1.5)	LPAL2 (1.4)
PGS1 (1.4)	MAMSTR (1.4)	ENSG00000236267 (1	TRIM54 (1.3)	DNAH11 (1.2)

ZNF259 (2.6)	PSMA5 (2.2)	POC5 (2.2)	TXNL4B (2.1)	NUP93 (2.1)
FNDC4 (2.0)	ABO (2.0)	ZNF821 (2.0)	LPAR2 (1.9)	SUMO1 (1.9)
SLC22A2 (1.8)	CELSR2 (1.7)	BCAM (1.7)	ERGIC3 (1.6)	HNF4A (1.5)
NFE2L3 (2.4)	IST1 (2.3)	UBXN4 (2.3)	PVR (2.3)	OASL (2.3)
CARM1 (2.4)	HAVCR1 (2.4)	C17orf57 (2.4)	PLEC (2.1)	ENSG00000244861 (2
NRBP1 (2.3)	PCSK9 (2.2)	CLPTM1 (1.8)	OTX1 (1.7)	LPAR2 (1.6)
DOCK7 (2.6)	CEP250 (2.4)	SMARCA4 (2.3)	R3HDM1 (1.9)	GOT2P1 (1.8)
CLPTM1 (2.4)	PBX4 (2.3)	SNX17 (2.2)	C11orf9 (2.0)	ZNF513 (1.8)
TRIB1 (2.5)	MYLIP (1.9)	YIPF2 (1.7)	COL4A3BP (1.6)	SNX17 (1.6)
C12orf43 (2.9)	DHODH (2.6)	KPNB1 (2.4)	ZNF259 (2.0)	SARS (2.0)
BMPR2 (2.6)	GSTM5 (2.4)	MAP3K4 (2.4)	IFT172 (2.3)	R3HDM1 (2.2)
USP1 (2.6)	MCM6 (2.4)	ENSG00000235545 (2	TXNL4B (2.3)	ENSG00000226648 (2
IST1 (3.0)	ABO (2.2)	AMPD2 (2.0)	ATP13A1 (1.9)	ZNF821 (1.7)
EHBP1 (2.1)	CILP2 (2.1)	FNDC4 (1.5)	ZNF821 (1.5)	ENSG00000254235 (1
DNAH11 (2.1)	FNDC4 (1.6)	GOT2P1 (1.6)	ATXN7L2 (1.5)	ZHX3 (1.5)
GSTM4 (2.1)	C19orf52 (2.0)	SYPL2 (2.0)	AMIGO1 (1.9)	ENSG00000226806 (1
POLK (3.0)	FEN1 (2.9)	MCM6 (2.3)	NYNRIN (2.3)	IST1 (2.1)
POLK (3.0)	FEN1 (2.9)	MCM6 (2.3)	NYNRIN (2.3)	IST1 (2.1)
GOT2P1 (2.0)	ENSG00000231204 (1	PMFBP1 (1.6)	ENSG00000235545 (1	GPR61 (1.5)
APOA4 (2.0)	CBLC (2.0)	TM6SF2 (1.9)	BCAM (1.9)	LCT (1.5)
FGF21 (3.1)	UBXN4 (3.0)	FER1L4 (2.9)	HMGCR (2.9)	FADS1 (2.8)
ENSG00000254235 (2	PGS1 (2.1)	ENSG00000236436 (1	ENSG00000236267 (1	PBX4 (1.6)
ZRANB3 (2.6)	MCM6 (2.4)	MAU2 (2.2)	SUGP1 (2.0)	USP1 (1.9)
DARS (1.9)	CARM1 (1.8)	GPAM (1.6)	IFT172 (1.5)	FADS1 (1.4)
ENSG00000236267 (2	LCT (2.3)	LPAR2 (1.9)	DNAH11 (1.8)	SLC44A2 (1.7)
PVR (2.0)	YSK4 (1.7)	CYB561D1 (1.7)	NPEPPS (1.7)	ST3GAL4 (1.6)
ABO (1.8)	SLC22A3 (1.8)	AMIGO1 (1.7)	PMFBP1 (1.6)	ENSG00000231204 (1
KPNB1 (2.3)	SARS (2.3)	DARS (2.2)	MCM6 (2.2)	ERGIC3 (2.1)
DOCK7 (1.6)	POLK (1.5)	PVR (1.5)	C11orf9 (1.4)	SARS (1.4)
GMIP (2.4)	GSTM5 (2.2)	GPR61 (2.2)	GDF5 (2.2)	R3HDM1 (1.9)
MAFB (2.0)	CARM1 (2.0)	ERGIC3 (2.0)	OTX1 (1.9)	BMPR2 (1.9)
R3HDM1 (2.4)	UBXN4 (2.2)	NPEPPS (2.0)	ENSG00000236436 (1	BUD13 (1.8)
KRTCAP3 (2.5)	MAFB (2.5)	NCAN (2.2)	BMPR2 (2.0)	PSRC1 (1.8)
PMFBP1 (1.8)	FNDC4 (1.7)	ENSG00000226806 (1	TSSK6 (1.6)	ENSG00000236267 (1
C19orf52 (2.3)	GPAM (2.0)	AMPD2 (1.8)	C19orf80 (1.7)	DHODH (1.7)
LPL (1.8)	C19orf52 (1.7)	ABCG8 (1.6)	PSMA5 (1.5)	GOT2P1 (1.4)
RELB (2.1)	MAFB (2.1)	SLC44A2 (2.0)	ABCA1 (1.3)	RAB3GAP1 (1.1)
ABO (2.3)	ENSG00000231204 (2	KANK2 (2.0)	ZNF821 (1.9)	BMPR2 (1.8)
NFE2L3 (1.5)	OBP2B (1.4)	GMIP (1.4)	TOP1 (1.2)	TRIB1 (1.1)
IST1 (1.9)	NFE2L3 (1.7)	TRAM2 (1.7)	YIPF2 (1.7)	DARS (1.6)
TIMD4 (2.3)	GNAI3 (2.3)	CEP250 (2.2)	KPNB1 (2.1)	USP24 (1.9)
NUP93 (2.4)	TXNL4B (2.3)	PSMA5 (2.2)	ZNF259 (2.1)	DARS (2.1)
ATXN7L2 (1.6)	TSSK6 (1.6)	HNF1A (1.4)	LIPG (1.3)	CYP26A1 (1.3)
GNAT2 (2.6)	RASIP1 (2.4)	GSTM5 (2.0)	SLC22A2 (1.9)	ENSG00000235545 (1
ATXN1L (1.7)	HAVCR1 (1.6)	C12orf43 (1.6)	BUD13 (1.5)	ST3GAL4 (1.5)
TOMM40 (2.7)	ZNF259 (2.6)	HAVCR1 (2.4)	DARS (2.2)	AMPD2 (2.0)
ENSG00000231204 (2	MAFB (1.7)	C19orf52 (1.6)	FGF21 (1.6)	LIPG (1.5)
NFE2L3 (2.1)	PLEC (2.0)	PVR (1.5)	IZUMO1 (1.5)	GDF5 (1.5)
LPL (1.8)	CYP26A1 (1.8)	ENSG00000244861 (1	ABCA1 (1.6)	APOE (1.6)
IZUMO1 (2.4)	IFT172 (2.4)	KRTCAP3 (2.3)	ENSG00000244861 (2	C19orf52 (2.1)

ENSG00000244861 (1	CLPTM1 (1.8)	GOT2P1 (1.8)	IST1 (1.7)	LPAL2 (1.7)
ENSG00000226622 (2	RASIP1 (2.7)	PLEC (2.4)	DOCK6 (2.4)	GRINA (2.3)
ENSG00000254235 (2	PBX4 (1.9)	MYLIP (1.8)	GMIP (1.5)	LPAL2 (1.5)
SARS (2.1)	PLCG1 (2.0)	TRAM2 (2.0)	ABCG8 (1.9)	GNAI3 (1.8)
FADS2 (5.4)	PCSK9 (2.9)	ERGIC3 (2.3)	FNDC4 (2.2)	YIPF2 (2.2)
FUT2 (1.5)	C12orf43 (1.4)	GSTM4 (1.4)	CBLC (1.3)	ST3GAL4 (1.3)
PPM1G (2.0)	NRBP1 (1.9)	RAB3GAP1 (1.9)	NCAN (1.8)	PSMA5 (1.7)
FEN1 (2.4)	PSRC1 (2.4)	SUMO1 (2.1)	ENSG00000231204 (2	NUP93 (1.9)
APOE (1.8)	SLC44A2 (1.5)	ENSG00000236267 (1	APOC1 (1.2)	C19orf52 (1.2)
AMIGO1 (2.1)	ENSG00000226645 (2	SYPL2 (1.9)	ENSG00000236436 (1	FGF21 (1.4)
ZNF513 (1.8)	HAPLN4 (1.8)	OTX1 (1.7)	SLC44A2 (1.7)	GATAD2A (1.5)
NRBP1 (3.1)	PLEC (3.0)	SMARCA4 (2.8)	PPM1G (2.8)	TOMM40 (2.5)
IGF2R (2.3)	EHBP1 (2.3)	MYLIP (2.2)	FUT2 (2.0)	ATXN1L (1.9)
ABCA6 (2.7)	ST3GAL4 (2.6)	TRIM54 (2.5)	SLC44A2 (2.3)	GSTM5 (2.1)
ENSG00000231204 (1	SUMO1 (1.8)	TRAM2 (1.8)	COL4A3BP (1.8)	TSSK6 (1.8)
PLEC (2.2)	ZHX3 (2.2)	ABCA6 (2.1)	PSRC1 (2.1)	TSSK6 (2.0)
ATXN1L (2.1)	GMIP (2.0)	ENSG00000226806 (2	KANK2 (1.8)	DOCK7 (1.8)
TXNL4B (2.1)	R3HDM1 (2.0)	FADS2 (1.9)	ENSG00000244861 (1	ENSG00000182329 (1
ENSG00000226622 (2	ENSG00000228044 (2	ST3GAL4 (2.4)	DNAH11 (2.2)	TBKBP1 (2.1)
FUT2 (1.7)	GDF5 (1.6)	ENSG00000254235 (1	TRAM2 (1.3)	SUMO1 (1.3)
ABCA1 (1.6)	APOE (1.6)	NFE2L3 (1.5)	PBX4 (1.4)	CYB561D1 (1.4)
ENSG00000228044 (1	LPIN3 (1.7)	GPR61 (1.7)	ABCG8 (1.5)	SLC22A1 (1.5)
RAB3GAP1 (2.8)	CARM1 (2.6)	MAP3K4 (2.4)	ZHX3 (2.3)	NPEPPS (2.0)
POLK (2.0)	LPAR2 (1.9)	MAMSTR (1.9)	FUT1 (1.9)	CYB561D1 (1.9)
ZNF513 (1.9)	MAFB (1.9)	RELB (1.7)	NYNRIN (1.6)	LIPC (1.5)
TRAM2 (2.3)	LCT (2.2)	ENSG00000236267 (2	ABCA5 (2.1)	OTX1 (2.0)
CETP (2.1)	GSTM5 (1.7)	ENSG00000226806 (1	IGF2R (1.4)	GRINA (1.3)
NYNRIN (1.9)	GSTM5 (1.8)	ENSG00000236436 (1	FER1L4 (1.7)	DNAH11 (1.6)
NFE2L3 (1.9)	CETP (1.7)	ZNF513 (1.6)	IZUMO1 (1.6)	SPATC1 (1.5)
NOP58 (1.9)	TRIM54 (1.8)	DNAH11 (1.8)	DARS (1.7)	ENSG00000236267 (1
KRTCAP3 (1.9)	ATXN1L (1.8)	NYNRIN (1.8)	OTX1 (1.6)	GATAD2A (1.6)
ATXN7L2 (2.1)	MAMSTR (1.9)	MAP3K4 (1.7)	PMFBP1 (1.7)	NYNRIN (1.6)
KANK2 (2.3)	SLC22A2 (2.3)	PLCG1 (2.0)	MYLIP (1.9)	ENSG00000244861 (1
ABCG5 (2.7)	FEN1 (2.4)	POLK (1.9)	POC5 (1.8)	MCM6 (1.8)
SNX17 (2.3)	SUMO1 (1.7)	C17orf57 (1.6)	IST1 (1.6)	TXNL4B (1.6)
GMIP (1.8)	MAP3K4 (1.6)	USP24 (1.6)	PARP10 (1.6)	MAU2 (1.6)
RASIP1 (2.3)	NPEPPS (2.1)	COL4A3BP (2.1)	LIPG (2.1)	DNAH11 (2.0)
POC5 (3.0)	DHX38 (2.9)	AMPD2 (2.4)	PPM1G (2.4)	PSMA5 (2.3)
TBKBP1 (2.6)	AMIGO1 (1.8)	PMFBP1 (1.8)	ENSG00000228044 (1	RASIP1 (1.7)
ENSG00000254235 (1	PBX4 (1.6)	ENSG00000231204 (1	CYP26A1 (1.5)	C17orf57 (1.4)
GRINA (2.0)	SORT1 (2.0)	SARS (1.9)	ABCA1 (1.8)	C11orf9 (1.7)
USP1 (2.6)	SUGP1 (2.6)	PPM1G (2.5)	DARS (2.4)	GNAI3 (2.3)
PPM1G (3.0)	PSMA5 (2.8)	TOMM40 (2.8)	SARS (2.7)	NOP58 (2.7)
ENSG00000254235 (2	TSSK6 (2.2)	ENSG00000235545 (2	PBX4 (1.8)	EHBP1 (1.8)
C12orf43 (2.6)	DHODH (2.5)	USP24 (2.3)	TOMM40 (2.3)	DHX38 (2.1)
GMIP (1.7)	PGS1 (1.6)	RELB (1.3)	TBKBP1 (1.3)	CYB561D1 (1.3)
TIMD4 (2.0)	GMIP (1.9)	ENSG00000235545 (1	RAB3GAP1 (1.6)	ABCA6 (1.5)
TSSK6 (1.7)	ATXN7L2 (1.6)	ENSG00000254235 (1	ZNF821 (1.5)	PVRL2 (1.4)
KPNB1 (2.4)	DARS (2.3)	ERGIC3 (1.5)	NUP93 (1.5)	SUMO1 (1.4)
OASL (1.6)	POC5 (1.6)	RP1 (1.3)	COL4A3BP (1.3)	POLK (1.2)

IZUMO1 (2.3)
GOT2P1 (2.0)
HAVCR1 (2.3)
GATAD2A (1.8)
BMPR2 (1.8)
CLPTM1 (1.8)
CEP250 (2.0)
TIMD4 (2.1)
GOT2P1 (2.0)
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PVRL2 (1.5)
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PMFBP1 (1.8)
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SARS (1.6)
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SUGP1 (1.4)
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DOCK6 (1.7)
MAMSTR (1.4)
IGF2R (1.8)
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SNX17 (1.9)
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LIPG (1.4)
GRINA (1.9)
GNAT2 (1.6)
IGF2R (1.6)
ENSG00000236267 (1
TOMM40 (1.4)
TOMM40 (1.4)

TOP1 (2.6)	CARM1 (2.3)	SUMO1 (2.2)	R3HDM1 (2.0)	PLCG1 (1.9)
HAPLN4 (2.4)	LCT (2.4)	ENSG00000256731 (2	ATXN1L (2.2)	HNF1A (2.1)
HP (2.3)	OTX1 (2.2)	SLC22A1 (2.1)	APOC3 (2.0)	ERGIC3 (1.8)
ABCA5 (1.8)	GPR61 (1.8)	PBX4 (1.5)	MAU2 (1.4)	DNAH11 (1.4)
GNAI3 (2.0)	PSMA5 (1.9)	SARS (1.8)	ENSG00000236436 (1	IST1 (1.7)
ENSG00000236436 (2	ENSG00000226648 (2	PBX4 (2.1)	LCT (2.0)	FUT2 (2.0)
FUT1 (2.0)	PGS1 (1.8)	TSSK6 (1.8)	ABCG8 (1.8)	GPAM (1.7)
PLG (3.5)	FGF21 (3.0)	HP (2.3)	HNF4A (2.2)	PCSK9 (2.1)
CYP26A1 (2.0)	ZNF821 (2.0)	IGF2R (1.8)	C19orf52 (1.7)	NYNRIN (1.5)
ENSG00000244861 (1	NOP58 (1.7)	AMPD2 (1.6)	ENSG00000235545 (1	CEP250 (1.5)
AMPD2 (2.0)	BMPR2 (2.0)	GSTM4 (2.0)	ATP13A1 (1.9)	IST1 (1.7)
ZNF513 (1.9)	CILP2 (1.8)	CYP26A1 (1.7)	ENSG00000231204 (1	LPAR2 (1.5)
ZNF513 (1.9)	CILP2 (1.8)	CYP26A1 (1.7)	ENSG00000231204 (1	LPAR2 (1.5)
SARS (2.7)	ATXN1L (2.5)	SUGP1 (2.5)	PSMA5 (2.4)	ATP13A1 (2.4)
CILP2 (2.4)	NCAN (2.1)	PGS1 (1.6)	TBKBP1 (1.5)	ZHX3 (1.4)
YIPF2 (2.0)	UBXN4 (1.9)	DHODH (1.7)	CYB561D1 (1.7)	HNF1A (1.6)
ABO (2.0)	FNDC4 (1.9)	EHBP1 (1.8)	BCAM (1.7)	HAPLN4 (1.7)
CYP26A1 (2.4)	C11orf9 (2.4)	LPAR2 (2.1)	LPIN3 (1.8)	ENSG00000236436 (1
ENSG00000244861 (2	ERGIC3 (2.1)	TXNL4B (2.0)	DHODH (2.0)	TBKBP1 (1.9)
ENSG00000244861 (2	DNAH11 (2.1)	CYB561D1 (1.9)	PGS1 (1.8)	OBP2B (1.3)
ENSG00000244861 (2	DNAH11 (2.1)	CYB561D1 (1.9)	PGS1 (1.8)	OBP2B (1.3)
IGF2R (2.3)	LPL (1.8)	AMPD2 (1.7)	GSTM5 (1.6)	GPR61 (1.5)
CARM1 (2.0)	ZNF513 (2.0)	IGF2R (1.8)	HAVCR1 (1.8)	ENSG00000256731 (1
SLC22A2 (3.6)	SLC22A3 (3.1)	APOC3 (2.6)	ABCG5 (2.1)	PMFBP1 (1.9)
GNAI3 (2.5)	SNX17 (2.5)	NRBP1 (2.3)	RAB3GAP1 (2.1)	ENSG00000226806 (1
CELSR2 (2.0)	TRIB1 (1.8)	OTX1 (1.8)	AMIGO1 (1.7)	SPATC1 (1.7)
NCAN (1.8)	CYP26A1 (1.7)	ENSG00000236436 (1	C19orf52 (1.5)	AMIGO1 (1.4)
SNX17 (2.4)	ATXN1L (2.2)	PVR (2.1)	LPAL2 (2.0)	MYLIP (1.8)
OBP2B (2.2)	CILP2 (2.1)	FUT2 (2.0)	C19orf52 (1.8)	HAPLN4 (1.8)
ENSG00000236436 (1	HAVCR1 (1.8)	ABO (1.7)	ENSG00000226806 (1	PMFBP1 (1.6)
MCM6 (4.0)	ZRANB3 (4.0)	POC5 (3.9)	NUP93 (2.2)	KPNB1 (1.6)
PMFBP1 (1.7)	LCT (1.5)	APOA4 (1.4)	ENSG00000244861 (1	ABCG8 (1.4)
DOCK7 (1.6)	MAMSTR (1.5)	NFE2L3 (1.4)	CBLC (1.3)	SUMO1 (1.2)
TIMD4 (1.9)	SLC22A3 (1.8)	SORT1 (1.6)	APOE (1.5)	ABCA1 (1.5)
HNF4A (2.4)	GPR61 (2.2)	PLG (1.9)	ANGPTL3 (1.9)	TM6SF2 (1.9)
C11orf9 (1.8)	SORT1 (1.7)	GPR61 (1.7)	GNAT2 (1.6)	CBLC (1.5)
DOCK7 (2.0)	ATP13A1 (1.8)	TXNL4B (1.6)	HNF1A (1.6)	C12orf43 (1.5)
CEP250 (2.6)	YSK4 (2.6)	POC5 (2.2)	IFT172 (2.0)	DOCK7 (2.0)
SLC22A2 (1.9)	TBKBP1 (1.9)	TM6SF2 (1.5)	BMPR2 (1.4)	SYPL2 (1.4)
IZUMO1 (1.9)	FUT1 (1.6)	LPAR2 (1.4)	FUT2 (1.4)	KRTCAP3 (1.3)
CARM1 (1.9)	SMARCA4 (1.9)	CYB561D1 (1.8)	PLEC (1.7)	SLC44A2 (1.7)
ENSG00000236436 (2	ENSG00000236267 (2	OBP2B (2.2)	GOT2P1 (2.2)	DNAH11 (2.0)
ENSG00000226806 (2	COL4A3BP (2.0)	ZHX3 (2.0)	LPAR2 (1.9)	HAVCR1 (1.7)
USP1 (2.4)	POC5 (1.9)	ZRANB3 (1.8)	SLC44A2 (1.8)	NUP93 (1.7)
IGF2R (2.0)	MYLIP (1.9)	LDLR (1.8)	ABCA5 (1.6)	CYP26A1 (1.5)
GATAD2A (2.2)	BMPR2 (1.9)	BUD13 (1.8)	GNAT2 (1.8)	R3HDM1 (1.7)
PLEC (2.3)	GNAI3 (2.3)	TRAM2 (2.1)	DOCK7 (2.0)	LPIN3 (2.0)
MAP3K4 (2.4)	CLPTM1 (2.2)	TRIB1 (2.1)	CARM1 (2.1)	R3HDM1 (2.0)
PLCG1 (2.1)	SLC22A3 (2.0)	ENSG00000254235 (1	PBX4 (1.8)	LCT (1.7)
OBP2B (1.8)	FUT1 (1.7)	USP24 (1.5)	GRINA (1.5)	LIPC (1.5)

NYNRIN (2.2)	MAP3K4 (2.2)	PVRL2 (2.1)	NPEPPS (2.0)	TOP1 (2.0)
SMARCA4 (2.1)	ATXN7L2 (2.1)	ZHX3 (2.0)	CELSR2 (1.9)	GATAD2A (1.9)
SORT1 (1.7)	CYP26A1 (1.6)	RASIP1 (1.4)	MAMSTR (1.3)	POC5 (1.3)
CELSR2 (2.2)	SLC22A2 (2.1)	SPATC1 (1.9)	GPR61 (1.9)	HAVCR1 (1.8)
ZRANB3 (2.6)	NOP58 (2.0)	ENSG00000235545 (1	DNAH11 (1.8)	NUP93 (1.6)
HMGCR (2.1)	MCM6 (1.9)	NOP58 (1.9)	TOP1 (1.8)	ENSG00000236436 (1
USP1 (2.4)	IST1 (2.4)	SUGP1 (2.3)	TXNL4B (2.3)	NUP93 (2.1)
ENSG00000235545 (2	TIMD4 (1.9)	ENSG00000254235 (1	PMFBP1 (1.8)	POLK (1.7)
DARS (2.6)	SNX17 (2.4)	SARS (2.4)	PSMA5 (2.3)	ZNF259 (1.9)
GOT2P1 (2.3)	NFE2L3 (2.3)	KPNB1 (2.1)	GPR61 (1.7)	ENSG00000226622 (1
SMARCA4 (2.6)	SUMO1 (2.1)	MCM6 (2.0)	POC5 (1.8)	KPNB1 (1.8)
IGF2R (1.6)	PCSK9 (1.5)	OBP2B (1.5)	C11orf9 (1.4)	SLC22A3 (1.3)
PVR (1.7)	ENSG00000228044 (1	ENSG00000182329 (1	GDF5 (1.2)	GPAM (1.2)
PVR (1.7)	ENSG00000228044 (1	ENSG00000182329 (1	GDF5 (1.2)	GPAM (1.2)
AMIGO1 (1.7)	ST3GAL4 (1.4)	CYB561D1 (1.3)	ABCA1 (1.2)	LPL (1.2)
NOP58 (2.5)	IST1 (2.2)	RELB (2.1)	KPNB1 (2.0)	GNAI3 (2.0)
IGF2R (2.1)	PVR (2.0)	PLEC (1.8)	ABCA1 (1.5)	NCAN (1.4)
ENSG00000236436 (1	ZNF821 (1.8)	BMPR2 (1.8)	ERGIC3 (1.8)	AMIGO1 (1.7)
SARS (2.5)	PPM1G (2.4)	MYLIP (2.2)	GATAD2A (2.1)	NOP58 (2.1)
PSMA5 (1.4)	DHODH (1.3)	C12orf43 (1.2)	TRIB1 (1.1)	HNF1A (1.0)
PSMA5 (1.4)	DHODH (1.3)	C12orf43 (1.2)	TRIB1 (1.1)	HNF1A (1.0)
FUT1 (1.8)	SLC44A2 (1.7)	MAMSTR (1.7)	ENSG00000226622 (1	FGF21 (1.6)
SMARCA4 (2.5)	IFT172 (2.4)	PPM1G (2.2)	MCM6 (1.7)	TOMM40 (1.7)
OBP2B (2.1)	GPR61 (2.1)	SPATC1 (1.9)	AMIGO1 (1.8)	AMPD2 (1.8)
CYP26A1 (2.2)	NYNRIN (2.0)	SUMO1 (2.0)	DOCK6 (1.9)	C17orf57 (1.7)
IGF2R (2.5)	ATXN7L2 (2.3)	GDF5 (2.3)	CYP26A1 (2.0)	KANK2 (1.7)
NYNRIN (2.4)	HNF4A (2.2)	LPL (2.2)	AMIGO1 (1.8)	IZUMO1 (1.7)
FGF21 (2.7)	ABCG8 (2.4)	ENSG00000182329 (2	ENSG00000236267 (2	C19orf80 (2.1)
NFE2L3 (1.7)	SNX17 (1.7)	TRIB1 (1.6)	AMIGO1 (1.5)	GNAI3 (1.4)
ZNF259 (2.4)	GATAD2A (1.9)	PVR (1.8)	AMPD2 (1.7)	NUP93 (1.7)
C11orf9 (2.5)	ENSG00000226806 (2	MAMSTR (2.2)	SUMO1 (1.8)	PARP10 (1.7)
SORT1 (2.5)	ENSG00000228044 (2	RASIP1 (1.9)	KANK2 (1.9)	MYLIP (1.6)
ERGIC3 (2.4)	ENSG00000226645 (2	UBXN4 (2.2)	RAB3GAP1 (1.9)	CYB561D1 (1.8)
POLK (2.4)	KANK2 (2.2)	ENSG00000226622 (2	NCAN (1.8)	CEP250 (1.8)
FER1L4 (1.8)	DOCK7 (1.8)	GNAT2 (1.7)	MAMSTR (1.7)	MYLIP (1.5)
DHODH (1.8)	ENSG00000244861 (1	FNDC4 (1.3)	C19orf52 (1.2)	TIMD4 (1.2)
FNDC4 (1.8)	TIMD4 (1.8)	ENSG00000244861 (1	CETP (1.5)	SNX17 (1.4)
MAMSTR (2.2)	PVRL2 (2.2)	MAFB (1.9)	CARM1 (1.8)	NPEPPS (1.7)
GATAD2A (2.1)	DARS (1.9)	GNAI3 (1.9)	PVR (1.7)	NRBP1 (1.6)
ENSG00000244861 (1	GSTM4 (1.7)	ERGIC3 (1.7)	TOP1 (1.7)	NFE2L3 (1.5)
PMFBP1 (4.1)	ABCG8 (2.0)	SUMO1 (1.5)	YSK4 (1.3)	HAVCR1 (1.1)
BMPR2 (2.0)	R3HDM1 (1.9)	ENSG00000256731 (1	SUMO1 (1.6)	CEP250 (1.6)
BUD13 (2.8)	NUP93 (2.8)	ATXN1L (2.6)	DOCK7 (2.4)	DHX38 (2.3)
SNX17 (1.8)	ABCA1 (1.8)	COL4A3BP (1.7)	NYNRIN (1.7)	BCAM (1.6)
CILP2 (2.8)	TRIM54 (2.4)	LIPC (2.3)	APOC4 (2.2)	APOA5 (1.9)
FUT2 (1.6)	MAFB (1.6)	LPIN3 (1.5)	GDF5 (1.4)	PLCG1 (1.3)
ZRANB3 (3.7)	USP1 (3.6)	POC5 (3.6)	NUP93 (2.4)	KPNB1 (1.5)
ATXN7L2 (2.2)	MAMSTR (1.9)	C11orf9 (1.8)	BCAM (1.5)	ZHX3 (1.4)
HAVCR1 (2.0)	ENSG00000226622 (1	OTX1 (1.6)	BCAM (1.5)	PLEC (1.4)
DHODH (1.9)	ATP13A1 (1.9)	LIPG (1.5)	PVRL2 (1.4)	IZUMO1 (1.4)

SYPL2 (1.8)	OBP2B (1.8)	LPIN3 (1.7)	ABO (1.7)	GPR61 (1.4)
PMFBP1 (2.1)	LPAR2 (1.8)	OBP2B (1.8)	TXNL4B (1.6)	ABCG8 (1.4)
OASL (2.6)	TRIB1 (2.3)	ENSG00000226806 (1	PGS1 (1.7)	LCT (1.7)
USP1 (4.3)	ZRANB3 (3.5)	NUP93 (3.2)	POC5 (3.0)	CEP250 (2.1)
C11orf9 (2.8)	PCSK9 (2.7)	ERGIC3 (2.3)	TM6SF2 (2.1)	GNAI3 (1.9)
GMIP (2.1)	OASL (2.0)	PARP10 (2.0)	CYB561D1 (1.9)	MAFB (1.9)
ENSG00000256731 (2	NOP58 (2.3)	C17orf57 (1.9)	SMARCA4 (1.9)	BUD13 (1.8)
PLCG1 (2.5)	IFT172 (2.4)	ZNF821 (2.4)	TBKBP1 (2.0)	SNX17 (1.9)
PLCG1 (2.5)	IFT172 (2.4)	ZNF821 (2.4)	TBKBP1 (2.0)	SNX17 (1.9)
PLCG1 (2.5)	IFT172 (2.4)	ZNF821 (2.4)	TBKBP1 (2.0)	SNX17 (1.9)
PLCG1 (2.5)	IFT172 (2.4)	ZNF821 (2.4)	TBKBP1 (2.0)	SNX17 (1.9)
NFE2L3 (2.1)	C19orf52 (1.8)	PARP10 (1.7)	ATP13A1 (1.6)	MAP3K4 (1.6)
SARS (2.4)	ENSG00000226648 (2	NRBP1 (2.1)	DHX38 (2.1)	IST1 (2.0)
POC5 (2.9)	ZRANB3 (2.1)	USP1 (1.9)	NUP93 (1.8)	TSSK6 (1.7)
DNAH11 (2.9)	SUMO1 (2.9)	PMFBP1 (2.7)	ENSG00000182329 (2	SPATC1 (2.1)
DNAH11 (2.9)	SUMO1 (2.9)	PMFBP1 (2.7)	ENSG00000182329 (2	SPATC1 (2.1)
TBKBP1 (2.2)	ZHX3 (1.9)	TRIM54 (1.7)	GOT2P1 (1.7)	SLC44A2 (1.6)
ATXN7L2 (2.2)	ENSG00000236436 (2	C11orf9 (2.0)	ENSG00000235545 (1	ENSG00000226622 (1
BUD13 (2.2)	TXNL4B (2.1)	MAP3K4 (2.1)	C17orf57 (1.9)	UBXN4 (1.8)
MYLIP (1.9)	CEP250 (1.8)	POLK (1.7)	NYNRIN (1.7)	GSTM4 (1.5)
NPEPPS (1.9)	GNAI3 (1.9)	ATXN1L (1.7)	CBLC (1.6)	ENSG00000226622 (1
FADS2 (1.9)	TSSK6 (1.8)	PCSK9 (1.6)	CBLC (1.6)	TM6SF2 (1.6)
PPM1G (2.1)	SARS (1.9)	DARS (1.9)	GRINA (1.9)	KPNB1 (1.8)
CILP2 (2.3)	CYP26A1 (2.1)	SLC22A2 (1.9)	IFT172 (1.9)	LPAR2 (1.6)
ENSG00000226806 (2	ATXN1L (1.8)	NRBP1 (1.7)	C12orf43 (1.6)	IZUMO1 (1.6)
PVRL2 (2.3)	PLEC (2.1)	CLPTM1 (1.6)	TOMM40 (1.6)	HNF1A (1.5)
CELSR2 (2.0)	OBP2B (1.9)	AMPD2 (1.9)	FADS1 (1.8)	ABCA6 (1.7)
PSMA5 (2.8)	SUGP1 (2.6)	ZNF259 (2.4)	GNAI3 (2.3)	ENSG00000254235 (1
FADS1 (2.1)	PGS1 (2.0)	CEP250 (1.9)	SMARCA4 (1.9)	PBX4 (1.7)
NUP93 (3.2)	ZRANB3 (2.8)	FADS1 (2.5)	PPM1G (2.4)	CEP250 (2.3)
PVR (1.6)	LPAL2 (1.6)	ENSG00000235545 (1	NFE2L3 (1.5)	GMIP (1.4)
ABO (2.1)	SUMO1 (1.9)	ATXN1L (1.9)	C19orf52 (1.8)	GATAD2A (1.8)
ABO (2.1)	SUMO1 (1.9)	ATXN1L (1.9)	C19orf52 (1.8)	GATAD2A (1.8)
ABO (2.1)	SUMO1 (1.9)	ATXN1L (1.9)	C19orf52 (1.8)	GATAD2A (1.8)
OASL (2.6)	MAU2 (2.1)	R3HDM1 (2.1)	ABCA5 (2.0)	MAP3K4 (2.0)
FGF21 (1.9)	ZNF513 (1.9)	ENSG00000226806 (1	ABCA6 (1.8)	MAP3K4 (1.6)
GATAD2A (1.9)	HMGCR (1.9)	MAFB (1.9)	SLC44A2 (1.8)	C11orf9 (1.7)
USP24 (2.4)	DHODH (2.2)	RAB3GAP1 (2.1)	ZNF821 (2.0)	TOP1 (1.9)
SLC22A3 (2.0)	AMIGO1 (2.0)	AMPD2 (1.9)	YSK4 (1.7)	SNX17 (1.6)
KANK2 (2.4)	ENSG00000226645 (2	NYNRIN (2.0)	ZNF821 (1.9)	C19orf52 (1.9)
NRBP1 (3.0)	OASL (2.9)	GNAI3 (2.3)	USP1 (1.9)	BUD13 (1.8)
ENSG00000231204 (2	GPR61 (2.4)	CETP (2.1)	AMIGO1 (2.1)	LPA (1.9)
HNF1A (2.3)	OBP2B (2.1)	HNF4A (2.0)	SUMO1 (1.8)	SPATC1 (1.7)
CBLC (2.0)	NFE2L3 (1.9)	TRAM2 (1.8)	KRTCAP3 (1.8)	GSTM5 (1.6)
FGF21 (2.0)	PLCG1 (1.9)	C19orf52 (1.9)	ENSG00000236436 (1	RASIP1 (1.7)
IZUMO1 (2.2)	LCT (2.2)	BCAM (2.0)	RASIP1 (1.8)	HP (1.7)
PPM1G (2.8)	KPNB1 (2.7)	DARS (2.6)	R3HDM1 (2.2)	GATAD2A (2.2)
NRBP1 (2.0)	ENSG00000228044 (1	HNF1A (1.8)	ENSG00000226645 (1	RAB3GAP1 (1.7)
PGS1 (2.4)	RELB (2.0)	GMIP (1.7)	IST1 (1.7)	POC5 (1.7)
LPAR2 (2.3)	TSSK6 (2.3)	EHBP1 (2.3)	ZNF821 (2.0)	LPAL2 (1.9)

HAPLN4 (1.8)	GOT2P1 (1.8)	AMIGO1 (1.6)	PCSK9 (1.6)	TBKBP1 (1.6)
CEP250 (2.9)	POC5 (2.7)	ZRANB3 (2.6)	FEN1 (2.6)	PSRC1 (2.1)
CARM1 (2.2)	BCAM (2.2)	EHBP1 (2.2)	R3HDM1 (2.2)	KANK2 (1.8)
IGF2R (1.8)	ENSG00000226622 (1	FNDC4 (1.6)	GOT2P1 (1.5)	PLCG1 (1.5)
ENSG00000254235 (2	SMARCA4 (2.4)	GRINA (2.3)	BUD13 (1.9)	ENSG00000182329 (1
CETP (1.8)	ENSG00000236436 (1	SPATC1 (1.7)	PBX4 (1.5)	ABCA6 (1.5)
GATAD2A (2.5)	CEP250 (2.2)	R3HDM1 (2.0)	ABCA6 (1.8)	SMARCA4 (1.8)
ENSG00000226806 (2	PBX4 (1.8)	SLC22A3 (1.8)	APOE (1.7)	LPAR2 (1.7)
TRIM54 (2.4)	C11orf9 (1.8)	OBP2B (1.8)	BCAM (1.8)	SYPL2 (1.7)
CETP (2.1)	ABCA6 (1.9)	ENSG00000256731 (1	POLK (1.8)	ST3GAL4 (1.7)
MCM6 (2.8)	ENSG00000226648 (2	USP1 (2.5)	ZRANB3 (2.5)	COL4A3BP (1.7)
ATP13A1 (2.2)	ZHX3 (2.1)	CLPTM1 (1.9)	MAFB (1.9)	GRINA (1.9)
DHX38 (2.2)	SUMO1 (2.1)	PSMA5 (2.0)	TBKBP1 (2.0)	MAU2 (2.0)
GATAD2A (2.5)	CARM1 (2.5)	CEP250 (2.5)	MAP3K4 (2.2)	R3HDM1 (1.8)
CEP250 (2.8)	FEN1 (2.5)	USP1 (2.5)	ENSG00000228044 (2	KPNB1 (2.2)
DARS (2.2)	FNDC4 (1.9)	ENSG00000231204 (1	SNX17 (1.7)	GPAM (1.7)
PLEC (2.3)	C11orf9 (2.3)	LDLR (2.3)	HMGCR (2.0)	ST3GAL4 (1.9)
MAP3K4 (2.2)	ENSG00000256731 (2	HAVCR1 (2.1)	PVR (1.9)	ZNF513 (1.8)
OBP2B (2.1)	PGS1 (1.9)	IST1 (1.9)	C11orf9 (1.8)	NCAN (1.7)
HNF1A (2.0)	GDF5 (1.8)	ERGIC3 (1.8)	ATXN1L (1.7)	KANK2 (1.7)
HMGCR (2.5)	APOA4 (2.1)	ENSG00000226645 (2	LIPG (2.0)	ABCG5 (2.0)
HAPLN4 (2.1)	HNF1A (2.0)	ENSG00000254235 (1	GPAM (1.8)	ENSG00000228044 (1
APOE (2.2)	C11orf9 (1.9)	IGF2R (1.9)	FER1L4 (1.9)	KANK2 (1.8)
GSTM5 (1.9)	CILP2 (1.8)	TRAM2 (1.7)	OTX1 (1.6)	RASIP1 (1.5)
TRIM54 (2.3)	PLCG1 (2.1)	ATXN1L (2.1)	PVR (2.1)	KANK2 (1.9)
UBXN4 (2.6)	IST1 (2.5)	TOP1 (2.3)	C19orf52 (1.8)	C17orf57 (1.7)
PMFBP1 (1.8)	ENSG00000236267 (1	TSSK6 (1.5)	LPAL2 (1.5)	ENSG00000226622 (1
R3HDM1 (2.0)	DOCK6 (1.9)	ENSG00000231204 (1	COL4A3BP (1.6)	ZNF513 (1.6)
GMIP (2.2)	NCAN (1.8)	LPAR2 (1.8)	MAFB (1.7)	RELB (1.6)
MAU2 (2.4)	ZNF259 (2.4)	KPNB1 (2.0)	ENSG00000236436 (2	C19orf52 (2.0)
TSSK6 (1.9)	MAMSTR (1.8)	ENSG00000236436 (1	GOT2P1 (1.6)	ENSG00000244861 (1
ENSG00000226622 (2	POLK (1.9)	PARP10 (1.8)	OBP2B (1.8)	TIMD4 (1.7)
DHX38 (1.7)	NOP58 (1.7)	MAU2 (1.7)	GNAI3 (1.6)	ENSG00000236267 (1
DHX38 (1.7)	NOP58 (1.7)	MAU2 (1.7)	GNAI3 (1.6)	ENSG00000236267 (1
ENSG00000254235 (2	GMIP (1.6)	ENSG00000236267 (1	LPAL2 (1.6)	CETP (1.5)
PSRC1 (1.8)	UBXN4 (1.7)	TOP1 (1.6)	NPEPPS (1.6)	ENSG00000226645 (1
LPL (2.4)	DOCK7 (2.3)	ENSG00000226648 (1	ENSG00000182329 (1	ABCA5 (1.6)
CARM1 (1.7)	GNAT2 (1.5)	ABO (1.3)	OTX1 (1.3)	TBKBP1 (1.2)
GMIP (2.4)	PARP10 (2.0)	OASL (1.9)	MAFB (1.9)	CYB561D1 (1.9)
CETP (3.0)	ABCG5 (2.3)	ABCG8 (1.8)	ENSG00000228044 (1	OBP2B (1.7)
GRINA (2.4)	GSTM5 (2.4)	MAFB (2.2)	CEP250 (1.8)	AMPD2 (1.7)
FUT2 (2.7)	CBLC (2.3)	BCAM (2.3)	OTX1 (2.1)	SLC22A2 (2.1)
ZHX3 (1.8)	TBKBP1 (1.6)	ABO (1.6)	GSTM5 (1.6)	MAU2 (1.5)
R3HDM1 (2.1)	RASIP1 (2.1)	TOP1 (2.0)	TBKBP1 (1.9)	RP1 (1.9)
ENSG00000182329 (2	TXNL4B (2.2)	GCKR (2.0)	KRTCAP3 (2.0)	ABCA5 (1.9)
ERGIC3 (1.9)	C12orf43 (1.9)	SARS (1.8)	C19orf52 (1.7)	ZNF259 (1.7)
SLC22A3 (1.8)	PMFBP1 (1.7)	GOT2P1 (1.6)	HP (1.5)	DOCK7 (1.3)
GOT2P1 (2.0)	CBLC (1.9)	SLC44A2 (1.8)	EHBP1 (1.8)	FNDC4 (1.7)
NYNRIN (2.1)	ZNF513 (1.9)	ENSG00000226622 (1	OBP2B (1.8)	LPAR2 (1.6)
GMIP (1.7)	IGF2R (1.6)	GSTM5 (1.6)	MAMSTR (1.6)	PBX4 (1.6)

BCAM (2.1)	ENSG00000244861 (2	ABCA5 (1.9)	ZNF821 (1.7)	TBKBP1 (1.5)
SORT1 (2.3)	GPAM (2.2)	NCAN (2.0)	C19orf80 (1.8)	TXNL4B (1.6)
TOP1 (2.6)	DARS (2.5)	GNAI3 (2.4)	PPM1G (2.4)	SARS (2.3)
POLK (1.7)	MAMSTR (1.7)	ENSG00000235545 (1	CEP250 (1.6)	GDF5 (1.5)
ERGIC3 (3.0)	SUGP1 (2.7)	GRINA (2.6)	SNX17 (2.2)	ENSG00000228044 (2
PVR (2.3)	SNX17 (2.2)	TRAM2 (2.2)	ZHX3 (1.9)	MAP3K4 (1.7)
USP24 (2.3)	R3HDM1 (2.3)	SUMO1 (2.3)	ATXN1L (2.2)	NPEPPS (2.1)
SUMO1 (1.9)	OASL (1.8)	DHODH (1.7)	CEP250 (1.6)	YIPF2 (1.6)
POLK (1.6)	PLCG1 (1.5)	RELB (1.3)	MYLIP (1.2)	ATXN1L (1.2)
TRIM54 (2.4)	NUP93 (2.4)	EHBP1 (2.3)	GNAI3 (2.1)	GMIP (2.0)
SUGP1 (2.2)	CARM1 (2.2)	HAVCR1 (2.2)	FADS2 (2.0)	ATP13A1 (2.0)
DNAH11 (1.7)	ENSG00000236267 (1	ERGIC3 (1.6)	NFE2L3 (1.5)	PGS1 (1.2)
ENSG00000235545 (2	IFT172 (1.9)	TOMM40 (1.9)	DARS (1.9)	YSK4 (1.8)
LPAL2 (1.6)	SLC22A3 (1.5)	MAFB (1.4)	CEP250 (1.3)	ENSG00000226806 (1
HNF1A (2.1)	ZHX3 (2.0)	TM6SF2 (1.9)	ST3GAL4 (1.8)	AMPD2 (1.7)
TIMD4 (2.5)	IZUMO1 (2.2)	HAVCR1 (1.9)	GSTM4 (1.6)	HNF1A (1.6)
FEN1 (2.6)	ENSG00000231204 (2	MYLIP (1.7)	MCM6 (1.7)	SUMO1 (1.7)
TOMM40 (1.7)	SUGP1 (1.7)	DHX38 (1.6)	CLPTM1 (1.6)	PSMA5 (1.5)
DNAH11 (1.8)	PMFBP1 (1.7)	FADS2 (1.7)	LPIN3 (1.7)	TM6SF2 (1.5)
ENSG00000254235 (2	SPATC1 (2.0)	FUT1 (1.9)	HAVCR1 (1.7)	TRIB1 (1.6)
ENSG00000256731 (2	HNF1A (1.8)	CBLC (1.8)	TSSK6 (1.6)	SLC22A3 (1.4)
CILP2 (1.4)	C17orf57 (1.4)	RP1 (1.3)	IZUMO1 (1.2)	PBX4 (1.1)
GNAI3 (2.5)	PBX4 (2.3)	GATAD2A (2.1)	CBLC (2.0)	ENSG00000235545 (1
SLC22A2 (2.3)	HNF4A (2.3)	SYPL2 (2.1)	LDLR (2.0)	ENSG00000244861 (2
ENSG00000244861 (2	LPIN3 (1.9)	GATAD2A (1.9)	TRIM54 (1.9)	ZNF821 (1.8)
CEP250 (2.6)	GDF5 (1.8)	USP24 (1.8)	LPAR2 (1.6)	ENSG00000244861 (1
OBP2B (1.8)	GOT2P1 (1.7)	HP (1.7)	ABCG5 (1.7)	FUT2 (1.6)
GSTM5 (2.3)	ABCG8 (2.3)	ABCA5 (2.2)	BMPR2 (2.0)	FUT1 (2.0)
FUT1 (1.8)	ENSG00000228044 (1	POLK (1.7)	GDF5 (1.4)	ABCA5 (1.3)
FUT1 (1.8)	ENSG00000228044 (1	POLK (1.7)	GDF5 (1.4)	ABCA5 (1.3)
DOCK7 (1.9)	MYLIP (1.8)	ABCA1 (1.5)	ENSG00000244861 (1	SORT1 (1.3)
SUGP1 (2.2)	GSTM5 (2.0)	CEP250 (1.9)	GMIP (1.8)	POLK (1.8)
TOP1 (2.1)	ATXN1L (2.1)	NPEPPS (2.1)	IST1 (2.0)	RAB3GAP1 (2.0)
IFT172 (1.5)	ENSG00000244861 (1	TOMM40 (1.4)	LPL (1.4)	SNX17 (1.4)
ABCA6 (1.8)	ZNF821 (1.7)	ABCA5 (1.6)	ZNF513 (1.6)	C19orf52 (1.5)
IFT172 (1.9)	TXNL4B (1.8)	ZNF259 (1.8)	NRBP1 (1.7)	MAU2 (1.7)
C11orf9 (2.3)	HAPLN4 (2.1)	CLPTM1 (2.0)	GRINA (1.9)	BCAM (1.7)
ENSG00000236267 (2	ENSG00000226806 (2	ENSG00000228044 (2	YIPF2 (2.1)	FUT1 (2.0)
ZNF821 (2.1)	ABCA1 (2.1)	KPNB1 (2.0)	GPAM (2.0)	ENSG00000244861 (2
ATP13A1 (2.5)	NFE2L3 (1.8)	GRINA (1.8)	MAU2 (1.7)	TXNL4B (1.6)
SPATC1 (1.7)	GATAD2A (1.7)	SARS (1.7)	GNAI3 (1.6)	KPNB1 (1.5)
CETP (2.3)	ZNF821 (1.5)	PLCG1 (1.3)	MAFB (1.3)	PARP10 (1.2)
ENSG00000235545 (1	ZNF513 (1.7)	C11orf9 (1.6)	IFT172 (1.6)	CYP26A1 (1.6)
KPNB1 (2.5)	TXNL4B (2.2)	NUP93 (2.2)	CLPTM1 (2.0)	PPM1G (1.9)
FUT2 (2.2)	RP1 (2.2)	ABO (1.9)	GSTM4 (1.8)	ENSG00000244861 (1
NCAN (1.9)	BCAM (1.9)	RASIP1 (1.8)	GPAM (1.8)	SNX17 (1.8)
POLK (2.0)	MAFB (2.0)	GDF5 (1.4)	ENSG00000256731 (1	ZNF821 (1.3)
HNF4A (1.7)	SORT1 (1.5)	AMIGO1 (1.5)	DNAH11 (1.4)	UBXN4 (1.4)
IFT172 (2.0)	PBX4 (1.8)	GOT2P1 (1.8)	SARS (1.8)	FGF21 (1.7)
PBX4 (1.8)	ENSG00000226648 (1	DOCK6 (1.7)	FUT1 (1.4)	TSSK6 (1.4)

ZRANB3 (4.5)	NUP93 (3.0)	PSRC1 (2.1)	ENSG00000235545 (1	DARS (1.7)
HAPLN4 (3.2)	GNAT2 (3.1)	RAB3GAP1 (2.4)	SLC22A2 (2.3)	ABCG5 (2.2)
MAFB (2.0)	ABCA6 (1.9)	CETP (1.8)	ENSG00000235545 (1	GRINA (1.3)
ENSG00000226645 (2	ENSG00000254235 (2	ZNF821 (1.9)	TRAM2 (1.9)	ATXN1L (1.9)
ENSG00000254235 (2	ENSG00000226645 (2	BMPR2 (1.9)	GDF5 (1.7)	KANK2 (1.6)
RASIP1 (1.7)	MYLIP (1.6)	ENSG00000236436 (1	DNAH11 (1.6)	BCAM (1.6)
NFE2L3 (1.8)	PARP10 (1.8)	SUMO1 (1.6)	TOMM40 (1.6)	NUP93 (1.6)
USP1 (3.9)	MCM6 (3.8)	POC5 (3.7)	NUP93 (2.5)	KPNB1 (1.6)
PLCG1 (2.2)	NPEPPS (2.0)	SNX17 (1.7)	CELSR2 (1.6)	ENSG00000228044 (1
DHX38 (1.7)	C12orf43 (1.7)	ENSG00000231204 (1	SUGP1 (1.6)	RAB3GAP1 (1.6)
SLC22A3 (2.1)	YSK4 (2.0)	ENSG00000254235 (1	ENSG00000256731 (1	ABCA6 (1.8)
POLK (2.0)	LPL (1.9)	FGF21 (1.8)	DOCK7 (1.7)	ENSG00000236267 (1
GOT2P1 (2.3)	AMIGO1 (2.2)	YSK4 (2.2)	ENSG00000226648 (2	FGF21 (2.0)
GOT2P1 (2.3)	AMIGO1 (2.2)	YSK4 (2.2)	ENSG00000226648 (2	FGF21 (2.0)
GOT2P1 (2.3)	AMIGO1 (2.2)	YSK4 (2.2)	ENSG00000226648 (2	FGF21 (2.0)
DARS (2.8)	TOMM40 (2.6)	MCM6 (2.5)	SMARCA4 (2.3)	NUP93 (2.2)
HNF1A (2.4)	ST3GAL4 (2.0)	DNAH11 (2.0)	HNF4A (1.8)	PCSK9 (1.7)
NYNRIN (1.8)	ENSG00000256731 (1	MYLIP (1.6)	PCSK9 (1.6)	TBKBP1 (1.6)
FNDC4 (2.4)	GNAI3 (2.4)	COL4A3BP (2.0)	LPAR2 (1.9)	GMIP (1.9)
RAB3GAP1 (2.1)	GRINA (2.0)	CARM1 (1.6)	MAU2 (1.6)	MYLIP (1.6)
PARP10 (1.9)	BMPR2 (1.9)	KANK2 (1.8)	ABCA1 (1.8)	OBP2B (1.8)
HAPLN4 (2.4)	NCAN (2.2)	HAVCR1 (2.0)	ENSG00000231204 (1	YSK4 (1.7)
ERGIC3 (2.3)	GPR61 (1.8)	HAPLN4 (1.7)	CYB561D1 (1.7)	CLPTM1 (1.5)
ERGIC3 (2.3)	GPR61 (1.8)	HAPLN4 (1.7)	CYB561D1 (1.7)	CLPTM1 (1.5)
ERGIC3 (2.3)	GPR61 (1.8)	HAPLN4 (1.7)	CYB561D1 (1.7)	CLPTM1 (1.5)
C12orf43 (2.7)	TOMM40 (2.0)	SMARCA4 (1.8)	NPEPPS (1.6)	GRINA (1.5)
NYNRIN (2.3)	KANK2 (2.2)	IST1 (2.1)	ZRANB3 (2.1)	UBXN4 (2.1)
GDF5 (1.9)	ST3GAL4 (1.9)	TBKBP1 (1.7)	LPL (1.4)	GSTM5 (1.3)
ST3GAL4 (2.1)	PMFBP1 (2.1)	ZHX3 (2.0)	ENSG00000231204 (1	FNDC4 (1.4)
NYNRIN (1.8)	GDF5 (1.8)	FUT2 (1.7)	MYLIP (1.6)	ZNF821 (1.3)
IGF2R (2.4)	HNF1A (2.2)	ATXN1L (2.0)	ENSG00000226648 (2	BCAM (1.8)
GRINA (2.1)	BCAM (2.1)	CELSR2 (2.1)	ATP13A1 (1.8)	PCSK9 (1.8)
CLPTM1 (2.1)	HMGCR (1.9)	LDLR (1.9)	GATAD2A (1.7)	ENSG00000226645 (1
C11orf9 (1.8)	PLEC (1.8)	MAMSTR (1.8)	GNAI3 (1.7)	ABCA1 (1.7)
RELB (2.2)	PARP10 (2.0)	MAFB (2.0)	GSTM4 (1.9)	MYLIP (1.8)
GOT2P1 (2.1)	DOCK6 (1.8)	FNDC4 (1.7)	PBX4 (1.7)	RASIP1 (1.6)
IFT172 (3.8)	ENSG00000182329 (2	SLC22A2 (2.3)	GNAT2 (1.9)	ERGIC3 (1.8)
ZRANB3 (2.1)	SUGP1 (1.9)	ATP13A1 (1.8)	MYLIP (1.8)	USP1 (1.6)
IFT172 (2.6)	GNAT2 (2.5)	RAB3GAP1 (2.5)	SNX17 (2.1)	SARS (1.8)
MYLIP (2.4)	IGF2R (2.3)	ZHX3 (2.2)	TRAM2 (1.9)	CLPTM1 (1.6)
MAFB (2.8)	CILP2 (2.2)	OTX1 (2.1)	ENSG00000236436 (1	NYNRIN (1.7)
TOMM40 (1.7)	DARS (1.6)	NUP93 (1.4)	ENSG00000236436 (1	ENSG00000235545 (1
ZHX3 (2.7)	PMFBP1 (2.1)	YSK4 (2.0)	C17orf57 (1.8)	SLC22A3 (1.8)
GATAD2A (2.5)	TBKBP1 (2.2)	BUD13 (2.1)	GOT2P1 (1.9)	ATXN7L2 (1.6)
NOP58 (1.7)	TRIM54 (1.5)	MAMSTR (1.4)	GATAD2A (1.4)	DNAH11 (1.3)
NOP58 (1.7)	TRIM54 (1.5)	MAMSTR (1.4)	GATAD2A (1.4)	DNAH11 (1.3)
NOP58 (1.7)	TRIM54 (1.5)	MAMSTR (1.4)	GATAD2A (1.4)	DNAH11 (1.3)
ENSG00000226806 (2	DHODH (2.0)	BUD13 (2.0)	SUMO1 (2.0)	NOP58 (2.0)
SUMO1 (2.3)	DHX38 (2.1)	BUD13 (2.1)	PPM1G (1.8)	PSMA5 (1.8)
SUMO1 (2.3)	DHX38 (2.1)	BUD13 (2.1)	PPM1G (1.8)	PSMA5 (1.8)

SUMO1 (2.3)	DHX38 (2.1)	BUD13 (2.1)	PPM1G (1.8)	PSMA5 (1.8)
NYNRIN (1.8)	MAP3K4 (1.5)	SLC44A2 (1.5)	SUMO1 (1.4)	OBP2B (1.4)
CYP26A1 (2.2)	LPL (2.1)	KRTCAP3 (1.8)	TRAM2 (1.5)	GSTM5 (1.5)
DOCK6 (2.1)	R3HDM1 (2.1)	TSSK6 (2.0)	CELSR2 (1.7)	RASIP1 (1.6)
ENSG00000226806 (2	MAMSTR (2.3)	RAB3GAP1 (1.8)	PLEC (1.8)	IZUMO1 (1.7)
COL4A3BP (2.2)	MAMSTR (2.1)	TRIB1 (2.1)	DOCK6 (2.1)	GSTM5 (1.9)
SUMO1 (1.4)	NPEPPS (1.3)	MAU2 (1.2)	GPAM (1.1)	TSSK6 (1.1)
DNAH11 (2.0)	SLC22A3 (1.7)	ENSG00000182329 (1	TXNL4B (1.5)	SPATC1 (1.4)
SLC44A2 (1.9)	CELSR2 (1.8)	COL4A3BP (1.7)	SORT1 (1.6)	PLEC (1.5)
LPIN3 (2.1)	MAFB (2.0)	NCAN (1.9)	DOCK6 (1.8)	CETP (1.7)
ENSG00000254235 (2	TSSK6 (2.0)	PMFBP1 (1.9)	ENSG00000182329 (1	ENSG00000235545 (1
ZRANB3 (3.6)	NUP93 (3.1)	CEP250 (2.2)	SUMO1 (2.0)	ENSG00000228044 (1
CELSR2 (2.6)	DOCK6 (2.3)	FUT1 (2.2)	MAFB (2.2)	GRINA (1.8)
MCM6 (2.3)	NUP93 (2.2)	ZRANB3 (2.0)	MYLIP (2.0)	USP1 (1.9)
CARM1 (1.9)	IFT172 (1.9)	USP24 (1.8)	USP1 (1.8)	UBXN4 (1.7)
PLCG1 (2.7)	IGF2R (2.3)	RAB3GAP1 (2.1)	AMIGO1 (1.9)	FGF21 (1.8)
PBX4 (2.1)	GATAD2A (1.9)	POLK (1.9)	SLC22A3 (1.9)	PSRC1 (1.6)
FEN1 (2.3)	SUGP1 (1.9)	ZRANB3 (1.6)	NFE2L3 (1.5)	GATAD2A (1.4)
SUMO1 (1.8)	MYLIP (1.6)	USP1 (1.5)	PMFBP1 (1.3)	SPATC1 (1.2)
FGF21 (1.4)	C19orf80 (1.2)	SLC22A2 (1.2)	GPAM (1.2)	GOT2P1 (1.1)
SYPL2 (2.1)	NYNRIN (2.0)	C11orf9 (1.9)	ST3GAL4 (1.8)	MAMSTR (1.5)
NYNRIN (1.7)	ENSG00000228044 (1	ENSG00000226648 (1	GPAM (1.6)	ZRANB3 (1.6)
ABCA6 (1.7)	POLK (1.6)	ENSG00000182329 (1	RAB3GAP1 (1.5)	ENSG00000236436 (1
NRBP1 (2.1)	CLPTM1 (2.1)	PGS1 (1.9)	PMFBP1 (1.8)	COL4A3BP (1.7)
MCM6 (2.3)	USP1 (2.2)	GATAD2A (1.8)	NUP93 (1.7)	BMPR2 (1.7)
ENSG00000226645 (2	ZNF513 (1.8)	AMPD2 (1.8)	R3HDM1 (1.8)	DOCK6 (1.7)
PARP10 (2.1)	LPAR2 (1.8)	BUD13 (1.7)	ENSG00000244861 (1	FGF21 (1.4)
MAU2 (2.2)	NCAN (2.1)	RELB (2.0)	C11orf9 (2.0)	SLC44A2 (1.8)
DOCK7 (1.8)	CYP26A1 (1.8)	FUT2 (1.8)	BMPR2 (1.6)	OTX1 (1.6)
CYP26A1 (1.8)	LCT (1.8)	IGF2R (1.5)	LPAL2 (1.5)	MAFB (1.4)
PLEC (2.4)	GNAI3 (2.2)	TRAM2 (1.9)	RELB (1.8)	IZUMO1 (1.7)
C11orf9 (1.9)	NFE2L3 (1.7)	LPAR2 (1.6)	LCT (1.6)	ENSG00000182329 (1
ENSG00000226806 (2	FNDC4 (1.8)	PMFBP1 (1.7)	SLC22A2 (1.6)	ATXN7L2 (1.5)
MAFB (2.2)	IGF2R (1.9)	LCT (1.9)	IST1 (1.9)	TIMD4 (1.7)
ZNF513 (2.3)	ENSG00000244861 (2	PBX4 (2.2)	CYB561D1 (2.1)	LPAR2 (2.0)
APOE (2.4)	COL4A3BP (2.4)	SARS (2.2)	YIPF2 (1.8)	GRINA (1.8)
ATXN1L (2.3)	DHX38 (2.3)	TOP1 (2.1)	ABCA6 (2.0)	ABO (2.0)
TRIM54 (2.6)	ATXN7L2 (2.5)	SLC22A3 (2.3)	ATXN1L (1.9)	IGF2R (1.9)
MCM6 (4.0)	USP1 (4.0)	ZRANB3 (3.8)	NUP93 (2.5)	KPNB1 (1.8)
EHBP1 (1.8)	FER1L4 (1.8)	SPATC1 (1.8)	ABCA5 (1.8)	BUD13 (1.7)
PSMA5 (2.1)	AMPD2 (1.9)	KPNB1 (1.8)	NPEPPS (1.8)	USP1 (1.8)
DARS (2.0)	SMARCA4 (2.0)	KPNB1 (1.8)	TOP1 (1.8)	PPM1G (1.7)
NCAN (2.0)	SORT1 (1.9)	KANK2 (1.8)	FER1L4 (1.7)	RELB (1.6)
ZRANB3 (2.9)	CEP250 (2.1)	ENSG00000228044 (1	ENSG00000235545 (1	NUP93 (1.7)
ZRANB3 (2.9)	CEP250 (2.1)	ENSG00000228044 (1	ENSG00000235545 (1	NUP93 (1.7)
ZRANB3 (2.9)	CEP250 (2.1)	ENSG00000228044 (1	ENSG00000235545 (1	NUP93 (1.7)
CBLC (2.7)	FUT1 (2.2)	ZNF821 (2.2)	DOCK6 (1.9)	MAP3K4 (1.7)
APOA4 (2.0)	APOC1 (1.9)	ENSG00000226622 (1	PBX4 (1.6)	GPAM (1.6)
GATAD2A (2.1)	NRBP1 (2.0)	SNX17 (1.9)	LPIN3 (1.9)	GNAI3 (1.9)
ENSG00000226648 (1	EHBP1 (1.7)	SLC22A2 (1.6)	IGF2R (1.6)	APOA5 (1.5)

ENSG00000254235 (2	OBP2B (2.0)	SLC44A2 (1.8)	TRAM2 (1.7)	CBLC (1.6)
ENSG00000231204 (2	USP24 (2.1)	ZHX3 (2.0)	MAP3K4 (1.5)	MAMSTR (1.4)
NFE2L3 (1.9)	ENSG00000182329 (1	GSTM5 (1.7)	FGF21 (1.7)	TRIB1 (1.6)
TOP1 (2.6)	SMARCA4 (2.4)	NPEPPS (2.3)	PLCG1 (2.2)	DOCK6 (2.2)
IFT172 (3.1)	KPNB1 (2.9)	NUP93 (2.6)	CLPTM1 (2.6)	RAB3GAP1 (2.5)
BUD13 (2.1)	DHX38 (2.1)	SUMO1 (2.0)	PPM1G (1.9)	PSMA5 (1.8)
BUD13 (2.1)	DHX38 (2.1)	SUMO1 (2.0)	PPM1G (1.9)	PSMA5 (1.8)
BUD13 (2.1)	DHX38 (2.1)	SUMO1 (2.0)	PPM1G (1.9)	PSMA5 (1.8)
TM6SF2 (1.8)	ABO (1.6)	CETP (1.5)	SPATC1 (1.5)	ENSG00000254235 (1
ATXN7L2 (2.1)	ZHX3 (1.9)	GSTM5 (1.8)	KANK2 (1.8)	PLCG1 (1.7)
AMPD2 (2.4)	USP24 (2.4)	MAP3K4 (2.1)	SLC44A2 (1.9)	LPAR2 (1.7)
CARM1 (2.6)	IGF2R (2.2)	GRINA (2.2)	ZNF821 (2.1)	DOCK7 (2.1)
IST1 (2.5)	ENSG00000231204 (2	GOT2P1 (1.6)	PSRC1 (1.5)	ABO (1.4)
SMARCA4 (2.0)	OASL (1.9)	MAU2 (1.8)	C17orf57 (1.6)	USP24 (1.6)
ST3GAL4 (1.6)	FADS2 (1.6)	YIPF2 (1.5)	SNX17 (1.5)	RASIP1 (1.5)
CEP250 (2.3)	ENSG00000228044 (2	FUT1 (2.0)	MAMSTR (1.6)	CBLC (1.5)
CEP250 (2.3)	ENSG00000228044 (2	FUT1 (2.0)	MAMSTR (1.6)	CBLC (1.5)
NUP93 (2.3)	ENSG00000226648 (1	NPEPPS (1.9)	UBXN4 (1.9)	TOMM40 (1.8)
ZRANB3 (3.9)	NUP93 (2.6)	PPM1G (2.1)	PSRC1 (2.0)	SUGP1 (1.7)
FNDC4 (1.8)	LIPG (1.7)	GMIP (1.7)	ATXN7L2 (1.5)	AMPD2 (1.5)
C19orf52 (1.8)	BUD13 (1.8)	SMARCA4 (1.7)	EHBP1 (1.7)	USP24 (1.3)
MCM6 (2.9)	USP1 (2.5)	NOP58 (1.6)	SUGP1 (1.5)	SUMO1 (1.5)
ERGIC3 (2.6)	ABCA5 (2.3)	TRAM2 (1.8)	RAB3GAP1 (1.7)	DNAH11 (1.4)
NOP58 (2.8)	PSRC1 (2.8)	DARS (2.7)	KPNB1 (2.7)	R3HDM1 (2.2)
PLCG1 (1.8)	KANK2 (1.7)	ZNF821 (1.6)	GDF5 (1.4)	ST3GAL4 (1.3)
PPM1G (3.3)	DOCK7 (2.8)	HAVCR1 (2.7)	SMARCA4 (2.6)	SNX17 (2.6)
C12orf43 (2.9)	ZNF821 (2.5)	NRBP1 (2.1)	SUGP1 (1.9)	IST1 (1.9)
ZHX3 (2.1)	POLK (2.0)	EHBP1 (1.9)	SLC44A2 (1.8)	GRINA (1.8)
ZHX3 (2.3)	MAP3K4 (2.2)	PARP10 (2.0)	ERGIC3 (2.0)	ENSG00000256731 (1
BCAM (2.5)	ZNF821 (2.3)	PSRC1 (2.3)	GOT2P1 (2.2)	CILP2 (2.1)
ATP13A1 (1.8)	DOCK7 (1.8)	GRINA (1.7)	KANK2 (1.7)	PLEC (1.7)
PPM1G (2.7)	R3HDM1 (2.4)	NCAN (2.4)	NYNRIN (2.3)	CELSR2 (2.2)
HNF1A (2.4)	YIPF2 (1.9)	SORT1 (1.8)	ABO (1.6)	TRAM2 (1.6)
SLC44A2 (2.0)	HAVCR1 (1.6)	LCT (1.5)	RAB3GAP1 (1.4)	GMIP (1.4)
SLC44A2 (2.0)	HAVCR1 (1.6)	LCT (1.5)	RAB3GAP1 (1.4)	GMIP (1.4)
SLC44A2 (2.0)	HAVCR1 (1.6)	LCT (1.5)	RAB3GAP1 (1.4)	GMIP (1.4)
SNX17 (2.2)	ZNF513 (2.1)	NCAN (2.1)	SLC44A2 (2.1)	RP1 (2.1)
MYLIP (2.3)	GNAI3 (1.7)	MAFB (1.7)	ENSG00000226645 (1	SLC44A2 (1.5)
ENSG00000182329 (3	ERGIC3 (1.7)	POLK (1.3)	SLC22A2 (1.3)	HAVCR1 (1.1)
SPATC1 (1.9)	USP1 (1.8)	NYNRIN (1.7)	FEN1 (1.7)	LPAR2 (1.4)
ZRANB3 (4.5)	NUP93 (2.1)	PSRC1 (1.7)	KPNB1 (1.6)	ENSG00000235545 (1
SUMO1 (2.1)	SNX17 (2.1)	ABCA5 (1.9)	SPATC1 (1.9)	DARS (1.5)
CETP (2.0)	BMPR2 (1.9)	DOCK7 (1.7)	TIMD4 (1.7)	GRINA (1.6)
GSTM4 (2.6)	GNAI3 (2.2)	NRBP1 (2.2)	PLEC (1.9)	C11orf9 (1.8)
ZNF259 (2.2)	C19orf52 (2.1)	DHX38 (2.0)	SMARCA4 (1.9)	C12orf43 (1.9)
GSTM5 (1.9)	CETP (1.8)	SARS (1.7)	SYPL2 (1.6)	GRINA (1.6)
KANK2 (2.5)	GMIP (2.0)	C11orf9 (1.6)	SORT1 (1.6)	BMPR2 (1.6)
ENSG00000231204 (2	ZHX3 (2.0)	SORT1 (1.9)	DOCK6 (1.8)	ABCA5 (1.7)
LPA (2.3)	USP1 (2.3)	TXNL4B (2.0)	EHBP1 (2.0)	PPM1G (1.8)
IGF2R (1.9)	ERGIC3 (1.9)	LPL (1.7)	ABO (1.6)	HAVCR1 (1.4)

FER1L4 (2.5)	ABO (2.1)	TM6SF2 (2.1)	ENSG00000235545 (2	CEP250 (1.9)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
ENSG00000226622 (2	SNX17 (2.0)	ENSG00000256731 (2	SUMO1 (1.6)	SUGP1 (1.6)
NOP58 (2.3)	SUMO1 (2.2)	BUD13 (2.1)	ATXN7L2 (2.0)	TXNL4B (2.0)
NUP93 (2.2)	MCM6 (2.1)	ZRANB3 (2.1)	SUMO1 (2.0)	PPM1G (1.8)
ZNF821 (2.1)	CYP26A1 (2.1)	TSSK6 (2.0)	KRTCAP3 (1.9)	FUT2 (1.8)
ENSG00000228044 (1	TSSK6 (1.7)	C17orf57 (1.6)	ENSG00000235545 (1	PMFBP1 (1.5)
C17orf57 (2.2)	ENSG00000231204 (2	ENSG00000254235 (2	DNAH11 (1.9)	COL4A3BP (1.9)
ENSG00000231204 (1	IZUMO1 (1.6)	SLC22A2 (1.5)	LPAL2 (1.5)	C19orf52 (1.4)
MYLIP (2.0)	LPAR2 (2.0)	RELB (2.0)	CEP250 (1.7)	AMPD2 (1.6)
LCT (2.3)	GSTM5 (2.1)	PBX4 (2.0)	GMIP (1.9)	SNX17 (1.8)
ABO (2.5)	ATXN7L2 (2.2)	ST3GAL4 (2.2)	DNAH11 (2.2)	FADS2 (2.0)
CARM1 (1.8)	ENSG00000226645 (1	SPATC1 (1.7)	HAPLN4 (1.7)	ABO (1.6)
KRTCAP3 (2.4)	FADS2 (2.4)	SNX17 (2.3)	ZNF259 (2.2)	PBX4 (2.0)
CELSR2 (1.4)	GNAT2 (1.3)	MAFB (1.3)	IZUMO1 (1.3)	ST3GAL4 (1.2)
SLC22A2 (2.1)	PLEC (1.9)	YIPF2 (1.8)	POLK (1.8)	ENSG00000226645 (1
ABCA5 (2.1)	HAPLN4 (1.8)	GPAM (1.8)	SORT1 (1.5)	IFT172 (1.5)
MYLIP (2.6)	PLCG1 (2.5)	SLC22A2 (2.3)	ZHX3 (2.2)	IFT172 (2.1)
ENSG00000226645 (1	MAMSTR (1.5)	NOP58 (1.4)	SUMO1 (1.4)	GATAD2A (1.2)
PMFBP1 (2.3)	FUT2 (2.2)	AMPD2 (2.0)	CILP2 (1.8)	SLC44A2 (1.8)
SUGP1 (2.4)	NOP58 (2.3)	MAU2 (2.2)	CARM1 (2.0)	TXNL4B (1.9)
BCAM (2.2)	CLPTM1 (1.8)	NFE2L3 (1.6)	SORT1 (1.6)	PVRL2 (1.5)
GATAD2A (1.8)	SNX17 (1.6)	PVR (1.6)	C11orf9 (1.6)	GMIP (1.3)
DOCK7 (2.2)	GATAD2A (1.7)	TXNL4B (1.6)	BUD13 (1.5)	R3HDM1 (1.4)
ZHX3 (2.6)	COL4A3BP (2.6)	GPR61 (2.4)	MAMSTR (2.3)	GPAM (2.3)
ATXN1L (2.1)	MAU2 (1.9)	PLCG1 (1.7)	R3HDM1 (1.7)	COL4A3BP (1.7)
NUP93 (2.7)	ATXN1L (2.6)	LPAR2 (2.4)	SUGP1 (2.3)	SNX17 (2.2)
FEN1 (2.4)	PSRC1 (2.3)	SUMO1 (2.1)	ENSG00000231204 (2	KPNB1 (1.9)
ENSG00000228044 (2	IST1 (2.0)	ATXN1L (1.6)	ENSG00000226648 (1	GNAI3 (1.4)
USP1 (2.3)	IGF2R (2.1)	FER1L4 (2.1)	PLCG1 (2.0)	FEN1 (1.9)
ENSG00000231204 (2	ABCA5 (2.1)	AMIGO1 (1.8)	NCAN (1.7)	HAPLN4 (1.7)
ENSG00000244861 (2	CILP2 (2.3)	C11orf9 (2.3)	ENSG00000256731 (2	ST3GAL4 (1.9)
NOP58 (3.6)	PPM1G (3.4)	KPNB1 (3.3)	SMARCA4 (3.2)	FEN1 (3.1)
MCM6 (2.5)	CEP250 (2.5)	NUP93 (2.5)	FEN1 (2.2)	ZRANB3 (2.0)
PGS1 (2.1)	SMARCA4 (2.1)	ZHX3 (1.8)	MAFB (1.7)	TRAM2 (1.4)
NPEPPS (2.3)	USP24 (2.2)	BMPR2 (2.1)	ATXN7L2 (2.1)	C17orf57 (2.1)
RP1 (2.5)	GNAT2 (2.4)	NRBP1 (2.1)	TRAM2 (2.0)	AMPD2 (1.9)
IZUMO1 (2.3)	TIMD4 (1.8)	HAVCR1 (1.7)	PBX4 (1.4)	YSK4 (1.4)
MCM6 (2.4)	FEN1 (2.1)	DHODH (2.1)	TOP1 (2.1)	MAP3K4 (2.0)
ENSG00000235545 (1	SUMO1 (1.6)	MYLIP (1.5)	FUT2 (1.4)	GNAI3 (1.4)
PLEC (1.7)	ZHX3 (1.5)	PVRL2 (1.5)	GATAD2A (1.5)	TSSK6 (1.4)
LPAR2 (1.7)	OTX1 (1.6)	TSSK6 (1.6)	GNAT2 (1.6)	DNAH11 (1.5)
DOCK6 (1.9)	LCT (1.7)	GMIP (1.6)	CETP (1.6)	DNAH11 (1.6)
PMFBP1 (1.8)	CETP (1.8)	FUT2 (1.7)	LDLR (1.6)	ST3GAL4 (1.6)
FGF21 (2.8)	ZNF259 (2.8)	SUGP1 (2.6)	IFT172 (2.5)	RAB3GAP1 (2.3)
YSK4 (1.8)	CYP26A1 (1.8)	SLC22A3 (1.7)	ABO (1.6)	TSSK6 (1.6)

PSMA5 (1.6)	PARP10 (1.5)	C19orf80 (1.5)	SUMO1 (1.4)	ENSG00000182329 (1
SORT1 (2.1)	GNAI3 (1.9)	NRBP1 (1.9)	SLC44A2 (1.9)	GATAD2A (1.9)
DOCK7 (1.9)	PVRL2 (1.9)	ATXN7L2 (1.7)	CELSR2 (1.7)	ENSG00000236436 (1
ABCA6 (2.1)	PMFBP1 (1.7)	DHODH (1.7)	PGS1 (1.7)	GSTM4 (1.6)
IGF2R (3.0)	AMPD2 (2.7)	SMARCA4 (2.4)	ZNF821 (2.3)	R3HDM1 (2.2)
BUD13 (2.0)	SMARCA4 (2.0)	CARM1 (2.0)	PPM1G (1.8)	DARS (1.8)
POC5 (2.6)	USP1 (2.4)	MCM6 (2.2)	PVRL2 (1.9)	ENSG00000226622 (1
PSMA5 (2.1)	ENSG00000231204 (2	ATP13A1 (1.9)	PPM1G (1.8)	MCM6 (1.7)
TRIB1 (2.2)	ST3GAL4 (2.1)	AMIGO1 (2.1)	ATXN1L (1.9)	CELSR2 (1.8)
ABO (1.9)	IGF2R (1.8)	FUT1 (1.8)	HNF4A (1.5)	SPATC1 (1.5)
GPAM (1.9)	FADS2 (1.7)	GDF5 (1.6)	LPL (1.6)	DOCK7 (1.5)
LIPG (2.2)	YSK4 (2.1)	SORT1 (2.0)	NCAN (1.9)	GPAM (1.5)
GSTM4 (2.3)	AMPD2 (2.1)	GNAT2 (2.0)	GPR61 (2.0)	ENSG00000226622 (1
IGF2R (1.9)	IFT172 (1.9)	CILP2 (1.8)	C11orf9 (1.7)	PVRL2 (1.7)
SMARCA4 (3.3)	KPNB1 (2.9)	TOP1 (2.8)	USP1 (2.3)	DARS (2.2)
KANK2 (2.4)	IZUMO1 (2.1)	ZNF821 (2.0)	TSSK6 (1.3)	ENSG00000244861 (1
SLC22A2 (1.9)	LIPG (1.8)	BCAM (1.8)	ENSG00000244861 (1	ABO (1.7)
TM6SF2 (1.7)	LCT (1.6)	ABCG8 (1.6)	SLC22A1 (1.5)	ZNF259 (1.5)
NUP93 (2.0)	ERGIC3 (2.0)	C19orf52 (2.0)	DOCK7 (1.7)	DARS (1.6)
DHODH (3.2)	POLK (2.6)	ATXN1L (2.5)	SARS (2.3)	DHX38 (2.2)
DHODH (3.2)	POLK (2.6)	ATXN1L (2.5)	SARS (2.3)	DHX38 (2.2)
KANK2 (2.2)	PLEC (2.1)	GNAI3 (2.0)	USP24 (2.0)	CARM1 (2.0)
IST1 (2.2)	TOP1 (2.1)	CLPTM1 (2.0)	RAB3GAP1 (2.0)	DOCK7 (1.9)
PVR (2.2)	R3HDM1 (2.0)	TRIM54 (1.8)	FER1L4 (1.8)	LPAL2 (1.7)
SLC44A2 (1.8)	GPAM (1.8)	SYPL2 (1.7)	GNAI3 (1.7)	SORT1 (1.7)
GSTM5 (2.9)	TBKBP1 (2.1)	TRIB1 (2.1)	POLK (1.9)	ENSG00000226806 (1
HAPLN4 (2.3)	RAB3GAP1 (2.2)	PBX4 (2.1)	ABO (2.0)	LPAR2 (1.8)
NUP93 (2.3)	USP1 (2.3)	SNX17 (2.0)	RELB (1.9)	DARS (1.9)
CEP250 (2.8)	ZRANB3 (2.7)	AMIGO1 (2.4)	ATXN1L (2.0)	FER1L4 (2.0)
GNAI3 (2.9)	KPNB1 (2.8)	UBXN4 (2.5)	DHX38 (2.5)	DARS (2.5)
TRIB1 (1.6)	ENSG00000235545 (1	LPAL2 (1.5)	ATXN1L (1.5)	NYNRIN (1.5)
OBP2B (2.2)	LPAR2 (2.1)	RASIP1 (2.0)	MYLIP (1.7)	GSTM4 (1.7)
HNF1A (2.2)	ENSG00000228044 (1	GPAM (1.7)	AMIGO1 (1.7)	COL4A3BP (1.7)
SLC22A3 (2.3)	GOT2P1 (2.1)	C11orf9 (2.0)	ENSG00000182329 (2	GRINA (1.9)
TM6SF2 (1.5)	LPL (1.5)	ENSG00000254235 (1	ABO (1.4)	RASIP1 (1.4)
C17orf57 (2.1)	CARM1 (2.1)	KPNB1 (2.0)	TXNL4B (1.6)	TBKBP1 (1.6)
ATXN7L2 (2.0)	ENSG00000236436 (1	PVRL2 (1.9)	LPAR2 (1.7)	OBP2B (1.7)
USP1 (4.3)	ZRANB3 (4.0)	POC5 (2.9)	NUP93 (2.2)	KPNB1 (1.7)
ZRANB3 (2.6)	NUP93 (2.2)	ABCA6 (2.0)	GOT2P1 (1.9)	SUGP1 (1.8)
KRTCAP3 (2.1)	PMFBP1 (1.9)	ENSG00000236436 (1	CBLC (1.8)	CELSR2 (1.7)
NCAN (1.9)	FADS1 (1.9)	HMGCR (1.8)	PCSK9 (1.8)	APOB (1.8)
CEP250 (3.5)	NUP93 (3.4)	USP1 (3.3)	KPNB1 (2.5)	MAP3K4 (2.1)
NRBP1 (1.9)	ABCA6 (1.9)	GRINA (1.7)	PBX4 (1.7)	GNAI3 (1.7)
R3HDM1 (2.1)	COL4A3BP (2.0)	HAPLN4 (2.0)	ENSG00000231204 (1	LCT (1.9)
FEN1 (3.4)	R3HDM1 (3.3)	ZRANB3 (3.2)	SMARCA4 (2.8)	PPM1G (2.6)
ENSG00000226645 (2	ENSG00000256731 (2	ENSG00000244861 (1	NYNRIN (1.8)	DOCK6 (1.7)
USP1 (4.0)	ZRANB3 (4.0)	POC5 (3.7)	NUP93 (2.3)	KPNB1 (1.8)
PVR (2.9)	PPM1G (2.7)	DHX38 (2.5)	NOP58 (2.4)	ERGIC3 (2.4)
GSTM4 (2.2)	IFT172 (2.1)	ERGIC3 (2.0)	SNX17 (2.0)	POLK (1.7)
POLK (2.0)	USP24 (1.8)	MAFB (1.8)	COL4A3BP (1.7)	ABCA6 (1.7)

PMFBP1 (2.1)	DNAH11 (1.9)	AMIGO1 (1.8)	GSTM5 (1.8)	CELSR2 (1.7)
SUMO1 (2.5)	NRBP1 (2.4)	TOMM40 (2.3)	CLPTM1 (2.3)	TXNL4B (2.1)
ZHX3 (2.3)	ZNF821 (2.2)	SORT1 (2.2)	KANK2 (2.0)	ERGIC3 (2.0)
BMPR2 (2.2)	NUP93 (2.2)	SLC44A2 (1.9)	RAB3GAP1 (1.9)	PLEC (1.8)
IZUMO1 (2.0)	ZNF513 (1.9)	GSTM5 (1.6)	OASL (1.6)	ATXN7L2 (1.6)
PGS1 (2.3)	MAU2 (1.8)	ABCG5 (1.8)	DNAH11 (1.7)	SORT1 (1.7)
SLC44A2 (2.4)	IGF2R (2.3)	PLCG1 (2.3)	USP24 (2.1)	NCAN (2.1)
TSSK6 (1.9)	ENSG00000182329 (1	BCAM (1.6)	POC5 (1.5)	PCSK9 (1.4)
ENSG00000226648 (2	BCAM (1.8)	IFT172 (1.8)	FNDC4 (1.7)	CILP2 (1.7)
PBX4 (2.6)	TSSK6 (2.5)	ATXN7L2 (2.3)	YSK4 (2.3)	EHBP1 (2.2)
PVRL2 (2.8)	BMPR2 (1.8)	CARM1 (1.8)	CEP250 (1.7)	PLCG1 (1.6)
CARM1 (2.0)	YIPF2 (1.9)	GMIP (1.8)	CLPTM1 (1.8)	ABCA5 (1.7)
ENSG00000236436 (2	HNF1A (2.2)	R3HDM1 (2.1)	ABO (2.0)	ENSG00000231204 (1
SMARCA4 (1.7)	NOP58 (1.7)	CARM1 (1.6)	UBXN4 (1.4)	USP1 (1.3)
AMPD2 (2.2)	FUT1 (2.2)	SLC44A2 (2.1)	SORT1 (1.9)	DOCK6 (1.8)
ZRANB3 (4.0)	USP1 (4.0)	POC5 (3.9)	NUP93 (2.5)	KPNB1 (1.9)
ENSG00000182329 (2	GPAM (1.9)	COL4A3BP (1.8)	FGF21 (1.7)	C12orf43 (1.7)
KANK2 (1.9)	C11orf9 (1.9)	TBKBP1 (1.8)	ZNF821 (1.5)	SLC44A2 (1.5)
PPM1G (2.5)	DHX38 (2.4)	NOP58 (2.4)	NPEPPS (2.3)	FEN1 (2.3)
CLPTM1 (2.4)	UBXN4 (2.2)	NRBP1 (2.1)	SNX17 (2.1)	MAU2 (2.0)
ENSG00000236267 (1	DNAH11 (1.6)	GATAD2A (1.3)	ENSG00000226645 (1	FNDC4 (1.2)
ZNF821 (2.7)	ATP13A1 (2.7)	USP1 (2.4)	NOP58 (2.2)	UBXN4 (2.2)
IFT172 (2.2)	GPR61 (2.0)	ZNF513 (1.8)	TBKBP1 (1.7)	MAP3K4 (1.6)
NFE2L3 (1.9)	ERGIC3 (1.7)	YSK4 (1.7)	MAFB (1.6)	RELB (1.6)
LPIN3 (1.8)	ZRANB3 (1.7)	MAU2 (1.7)	HAPLN4 (1.6)	PSRC1 (1.6)
LPIN3 (1.8)	ZRANB3 (1.7)	MAU2 (1.7)	HAPLN4 (1.6)	PSRC1 (1.6)
ZNF821 (2.0)	SPATC1 (2.0)	ENSG00000226806 (1	ENSG00000226645 (1	C19orf52 (1.9)
NUP93 (2.4)	DARS (2.3)	TXNL4B (2.2)	PSMA5 (2.1)	PPM1G (1.9)
ZRANB3 (2.8)	PARP10 (2.5)	LCT (2.5)	OASL (2.2)	C12orf43 (2.1)
PVRL2 (2.4)	FUT1 (2.3)	SLC44A2 (2.2)	AMPD2 (2.1)	POLK (2.0)
TXNL4B (2.3)	ERGIC3 (2.1)	UBXN4 (2.1)	RAB3GAP1 (2.1)	GNAT2 (2.0)
HAPLN4 (2.3)	NCAN (2.1)	ENSG00000256731 (2	HNF1A (2.0)	EHBP1 (1.9)
HAPLN4 (2.3)	NCAN (2.1)	ENSG00000256731 (2	HNF1A (2.0)	EHBP1 (1.9)
ZNF259 (3.2)	DHODH (2.8)	DARS (2.7)	PSMA5 (2.4)	PPM1G (2.3)
DARS (2.4)	ZNF259 (2.3)	POC5 (2.3)	NUP93 (2.3)	DHX38 (2.2)
ENSG00000256731 (2	ENSG00000226622 (2	SNX17 (2.0)	SUGP1 (1.8)	IST1 (1.7)
ATP13A1 (2.1)	PVR (2.1)	KPNB1 (2.0)	NRBP1 (1.9)	KANK2 (1.9)
ENSG00000244861 (1	PSMA5 (1.7)	APOC1 (1.6)	MYLIP (1.5)	ABCA1 (1.5)
PLEC (2.2)	GMIP (2.1)	LDLR (1.9)	GNAI3 (1.9)	NCAN (1.8)
ERGIC3 (2.5)	PBX4 (2.4)	GRINA (1.9)	RAB3GAP1 (1.8)	HMGCR (1.7)
SUMO1 (2.6)	ZNF259 (2.6)	DHX38 (2.4)	RAB3GAP1 (2.4)	ZNF513 (2.4)
C12orf43 (1.9)	ENSG00000226645 (1	TRAM2 (1.7)	DNAH11 (1.7)	FNDC4 (1.6)
C17orf57 (2.6)	GOT2P1 (2.5)	ENSG00000228044 (2	HNF1A (2.3)	ENSG00000236436 (2
OASL (2.3)	DOCK7 (2.3)	FER1L4 (2.2)	HNF1A (2.2)	FUT2 (1.8)
YSK4 (1.8)	C19orf52 (1.5)	PBX4 (1.5)	TIMD4 (1.5)	NFE2L3 (1.5)
BCAM (2.5)	HAVCR1 (2.5)	IZUMO1 (2.4)	TSSK6 (2.4)	HNF1A (2.1)
LPAR2 (1.8)	LPIN3 (1.7)	LDLR (1.7)	KRTCAP3 (1.6)	DOCK7 (1.6)
ENSG00000244861 (2	LIPG (2.4)	NCAN (2.0)	ZNF821 (2.0)	CELSR2 (1.6)
SNX17 (1.9)	TXNL4B (1.8)	GNAI3 (1.7)	POLK (1.6)	PVR (1.6)
GRINA (2.1)	CLPTM1 (2.1)	IZUMO1 (1.9)	CEP250 (1.8)	ENSG00000228044 (1

USP1 (2.5)	PLCG1 (2.4)	BUD13 (2.4)	KPNB1 (2.3)	KANK2 (2.2)
KRTCAP3 (2.4)	GNAI3 (2.4)	CYB561D1 (2.1)	CBLC (2.1)	LPAR2 (1.8)
C17orf57 (1.5)	PVR (1.5)	LPIN3 (1.4)	TM6SF2 (1.3)	CETP (1.3)
NFE2L3 (1.8)	LPAL2 (1.7)	ENSG00000235545 (1	GDF5 (1.6)	POLK (1.5)
PVR (2.5)	FUT1 (2.4)	SNX17 (2.3)	NRBP1 (2.3)	CLPTM1 (2.1)
NPEPPS (2.3)	BUD13 (2.1)	HMGCR (2.0)	DHX38 (1.9)	SUMO1 (1.8)
FUT2 (2.4)	MAFB (2.0)	FUT1 (1.8)	CYB561D1 (1.7)	ENSG00000226648 (1
C19orf52 (2.7)	TXNL4B (2.3)	KPNB1 (2.3)	YIPF2 (2.3)	DHX38 (2.0)
MAMSTR (1.2)	HMGCR (0.9)	PLEC (0.9)	LPAR2 (0.8)	ENSG00000182329 (0
IFT172 (2.8)	IST1 (2.7)	FUT2 (2.1)	C12orf43 (1.9)	ENSG00000228044 (1
TRAM2 (1.9)	RELB (1.8)	CARM1 (1.7)	HMGCR (1.7)	PLEC (1.6)
CEP250 (2.9)	ZRANB3 (2.9)	POC5 (2.7)	PPM1G (2.5)	NUP93 (2.2)
TRIM54 (2.5)	SYPL2 (2.5)	ENSG00000226645 (2	KPNB1 (2.0)	R3HDM1 (2.0)
FGF21 (2.3)	MAMSTR (2.0)	PMFBP1 (1.9)	ATXN7L2 (1.9)	ABO (1.6)
OTX1 (2.6)	FADS1 (2.6)	GDF5 (2.6)	CARM1 (2.2)	HMGCR (2.2)
GPR61 (1.9)	LPIN3 (1.8)	ENSG00000226622 (1	PMFBP1 (1.7)	GSTM5 (1.7)
TOMM40 (2.4)	HMGCR (2.1)	MCM6 (1.9)	PSMA5 (1.9)	FEN1 (1.8)
ATXN1L (2.1)	TRAM2 (2.0)	EHBP1 (1.9)	PVRL2 (1.9)	NYNRIN (1.9)
MYLIP (1.8)	SLC44A2 (1.8)	PPM1G (1.7)	ABCA1 (1.7)	MAFB (1.6)
FUT1 (2.3)	POLK (2.2)	AMPD2 (2.0)	PVRL2 (1.9)	SLC44A2 (1.9)
CYB561D1 (2.3)	PVR (2.2)	TXNL4B (2.0)	MCM6 (1.9)	KPNB1 (1.4)
YSK4 (2.1)	GCKR (2.0)	FNDC4 (1.7)	ABCA5 (1.3)	ZHX3 (1.3)
SORT1 (2.3)	KANK2 (2.0)	ENSG00000228044 (1	PMFBP1 (1.8)	RASIP1 (1.7)
CEP250 (1.7)	COL4A3BP (1.6)	TBKBP1 (1.4)	GRINA (1.4)	RELB (1.4)
POLK (1.7)	GMIP (1.7)	GNAI3 (1.6)	ABCA6 (1.6)	IGF2R (1.5)
CETP (1.9)	GSTM4 (1.7)	SUMO1 (1.7)	SNX17 (1.7)	RASIP1 (1.5)
GPR61 (2.1)	IZUMO1 (1.9)	LPAL2 (1.5)	ATXN7L2 (1.5)	PLEC (1.4)
DARS (2.1)	CARM1 (2.1)	ZNF821 (2.0)	NUP93 (1.9)	NPEPPS (1.8)
C17orf57 (1.7)	TSSK6 (1.6)	R3HDM1 (1.6)	AMPD2 (1.6)	RASIP1 (1.5)
IFT172 (2.3)	HNF1A (2.3)	R3HDM1 (2.2)	GSTM5 (2.0)	TBKBP1 (1.9)
IFT172 (2.3)	HNF1A (2.3)	R3HDM1 (2.2)	GSTM5 (2.0)	TBKBP1 (1.9)
OTX1 (1.8)	FNDC4 (1.5)	PLCG1 (1.5)	GDF5 (1.4)	MYLIP (1.4)
FADS2 (2.1)	OBP2B (2.1)	GATAD2A (1.9)	TSSK6 (1.8)	HAVCR1 (1.8)
LPL (2.4)	ENSG00000256731 (2	C11orf9 (2.3)	SLC22A3 (2.1)	ST3GAL4 (2.0)
LPL (2.4)	ENSG00000256731 (2	C11orf9 (2.3)	SLC22A3 (2.1)	ST3GAL4 (2.0)
PVR (2.0)	ENSG00000236436 (1	CYB561D1 (1.9)	TXNL4B (1.8)	HAPLN4 (1.7)
ENSG00000226645 (1	GDF5 (1.8)	PVR (1.6)	MYLIP (1.4)	C19orf80 (1.3)
R3HDM1 (1.9)	PCSK9 (1.7)	GRINA (1.7)	SUGP1 (1.7)	DNAH11 (1.7)
IZUMO1 (2.1)	PGS1 (1.9)	ATP13A1 (1.9)	CYB561D1 (1.7)	ZNF821 (1.6)
UBXN4 (3.0)	CLPTM1 (3.0)	RAB3GAP1 (2.9)	CYB561D1 (2.0)	ATXN1L (1.9)
RP1 (2.7)	GNAT2 (2.4)	NCAN (2.4)	SLC22A1 (1.9)	TM6SF2 (1.8)
APOE (1.8)	BCAM (1.8)	LPL (1.8)	PSMA5 (1.3)	PPM1G (1.3)
ENSG00000226622 (2	ABO (2.1)	ST3GAL4 (2.0)	YSK4 (1.9)	GOT2P1 (1.9)
ENSG00000226622 (2	ABO (2.1)	ST3GAL4 (2.0)	YSK4 (1.9)	GOT2P1 (1.9)
DOCK6 (2.3)	CELSR2 (2.1)	TSSK6 (1.9)	LPIN3 (1.8)	C19orf52 (1.8)
SUGP1 (2.0)	TXNL4B (2.0)	NFE2L3 (1.8)	KPNB1 (1.7)	NUP93 (1.6)
FGF21 (1.9)	ENSG00000226645 (1	MAMSTR (1.8)	KANK2 (1.8)	ZRANB3 (1.6)
PMFBP1 (2.5)	NFE2L3 (2.4)	ZNF821 (1.9)	MAP3K4 (1.8)	EHBP1 (1.7)
PBX4 (2.1)	SYPL2 (1.7)	MAMSTR (1.7)	ENSG00000236436 (1	CETP (1.6)
PSMA5 (1.2)	TIMD4 (1.1)	PVRL2 (1.1)	LPIN3 (1.0)	SLC22A2 (1.0)

CARM1 (2.6)	BUD13 (2.1)	ATXN7L2 (2.0)	TRIB1 (1.9)	GRINA (1.9)
TXNL4B (2.1)	DARS (2.0)	SUMO1 (1.9)	ENSG00000231204 (1	ZNF259 (1.7)
LCT (2.2)	PARP10 (2.2)	SLC22A3 (1.9)	ENSG00000236436 (1	IGF2R (1.9)
POC5 (3.4)	USP1 (2.5)	NOP58 (2.1)	LPIN3 (1.9)	NUP93 (1.8)
ENSG00000236267 (1	ENSG00000254235 (1	ENSG00000226806 (1	IZUMO1 (1.7)	PLCG1 (1.6)
HNF1A (2.1)	GSTM4 (2.0)	LPIN3 (1.9)	SYPL2 (1.6)	AMIGO1 (1.6)
CARM1 (2.0)	MAU2 (1.9)	IFT172 (1.8)	GSTM5 (1.6)	ATXN1L (1.6)
DHODH (2.1)	NUP93 (2.1)	ENSG00000235545 (1	DOCK7 (1.9)	SMARCA4 (1.9)
SNX17 (2.3)	PVRL2 (2.2)	EHBP1 (2.2)	NRBP1 (1.8)	GMIP (1.8)
NRBP1 (2.5)	IST1 (2.4)	SNX17 (2.4)	IFT172 (2.3)	SARS (2.3)
RAB3GAP1 (1.9)	POLK (1.8)	ENSG00000236436 (1	ENSG00000235545 (1	IST1 (1.6)
C11orf9 (2.1)	IGF2R (2.0)	OBP2B (1.7)	RAB3GAP1 (1.7)	C17orf57 (1.5)
ENSG00000182329 (1	COL4A3BP (1.5)	GDF5 (1.3)	ENSG00000228044 (1	NFE2L3 (1.2)
ABCA1 (2.8)	LIPC (2.4)	NCAN (2.4)	PLG (2.1)	APOC3 (2.1)
GNAI3 (2.3)	ENSG00000256731 (1	RAB3GAP1 (1.6)	KPNB1 (1.5)	NOP58 (1.5)
R3HDM1 (2.8)	HNF1A (2.4)	AMIGO1 (2.3)	ENSG00000231204 (1	ENSG00000228044 (1
R3HDM1 (2.8)	HNF1A (2.4)	AMIGO1 (2.3)	ENSG00000231204 (1	ENSG00000228044 (1
ZRANB3 (2.3)	MCM6 (2.3)	APOB (2.2)	FUT2 (2.2)	GSTM5 (2.1)
PMFBP1 (2.3)	YSK4 (2.0)	GPR61 (2.0)	IZUMO1 (1.9)	ENSG00000226622 (1
ENSG00000254235 (1	LCT (1.8)	DNAH11 (1.7)	ABCA6 (1.6)	ENSG00000226645 (1
C12orf43 (2.0)	ATXN7L2 (1.9)	GSTM5 (1.9)	SPATC1 (1.9)	GRINA (1.7)
SUGP1 (1.9)	KPNB1 (1.8)	ATP13A1 (1.8)	PPM1G (1.7)	GATAD2A (1.6)
SUGP1 (1.9)	KPNB1 (1.8)	ATP13A1 (1.8)	PPM1G (1.7)	GATAD2A (1.6)
PVRL2 (2.3)	NPEPPS (2.2)	TOMM40 (2.1)	SORT1 (1.9)	PPM1G (1.8)
DOCK6 (1.8)	LPL (1.7)	GMIP (1.7)	CELSR2 (1.6)	C17orf57 (1.5)
C11orf9 (1.9)	ENSG00000244861 (1	ENSG00000226806 (1	HNF4A (1.6)	ATXN1L (1.5)
ZNF259 (3.0)	FGF21 (2.9)	PSMA5 (2.6)	IFT172 (2.3)	SUGP1 (2.2)
IST1 (2.7)	ENSG00000226648 (2	ENSG00000226806 (2	TXNL4B (2.4)	DNAH11 (1.8)
MAFB (1.8)	FUT2 (1.7)	ABCA5 (1.7)	GDF5 (1.6)	CYP26A1 (1.4)
CLPTM1 (1.4)	UBXN4 (1.4)	SPATC1 (1.3)	R3HDM1 (1.1)	AMIGO1 (1.1)
ENSG00000226648 (2	DOCK7 (2.1)	PVR (2.0)	CYB561D1 (1.8)	HNF1A (1.6)
FGF21 (2.2)	ZHX3 (2.2)	SPATC1 (2.1)	ABO (2.0)	FUT1 (1.8)
ENSG00000226648 (1	APOA4 (1.6)	KANK2 (1.6)	FGF21 (1.4)	SUMO1 (1.4)
ENSG00000226648 (2	IGF2R (2.2)	SLC44A2 (1.8)	KANK2 (1.7)	FGF21 (1.7)
GMIP (1.7)	TRAM2 (1.6)	TBKBP1 (1.6)	R3HDM1 (1.6)	ENSG00000182329 (1
UBXN4 (1.9)	C12orf43 (1.9)	NUP93 (1.9)	HAVCR1 (1.8)	NYNRIN (1.7)
ABO (2.2)	FUT2 (2.2)	FER1L4 (2.0)	HNF1A (1.8)	KANK2 (1.5)
USP24 (2.1)	BUD13 (2.0)	POC5 (2.0)	DARS (2.0)	ZRANB3 (2.0)
NUP93 (2.5)	DHX38 (2.4)	ZNF259 (2.3)	POC5 (2.2)	DARS (2.2)
NUP93 (2.5)	DHX38 (2.4)	ZNF259 (2.3)	POC5 (2.2)	DARS (2.2)
NUP93 (2.5)	DHX38 (2.4)	ZNF259 (2.3)	POC5 (2.2)	DARS (2.2)
SUMO1 (1.9)	GNAI3 (1.9)	UBXN4 (1.9)	R3HDM1 (1.9)	ZNF259 (1.8)
COL4A3BP (2.1)	GPR61 (1.7)	TRAM2 (1.7)	AMIGO1 (1.6)	CYP26A1 (1.6)
POLK (2.5)	ZRANB3 (1.9)	CBLC (1.8)	NYNRIN (1.8)	PLEC (1.8)
EHBP1 (1.7)	ENSG00000226648 (1	ZNF821 (1.6)	CYP26A1 (1.6)	ENSG00000254235 (1
ABCG8 (1.9)	C19orf52 (1.8)	PSMA5 (1.8)	SYPL2 (1.5)	GOT2P1 (1.5)
HAPLN4 (2.1)	PCSK9 (2.0)	CLPTM1 (2.0)	BCAM (1.9)	TIMD4 (1.8)
IZUMO1 (2.0)	CEP250 (1.9)	CYB561D1 (1.9)	ZNF513 (1.6)	TIMD4 (1.4)
ATP13A1 (2.0)	GRINA (1.9)	SUGP1 (1.9)	DHX38 (1.9)	PARP10 (1.8)
IZUMO1 (2.2)	MAU2 (1.9)	MYLIP (1.9)	LPAL2 (1.8)	ABO (1.7)

IFT172 (2.1)	SPATC1 (1.9)	NCAN (1.7)	ENSG00000228044 (1	BMPR2 (1.6)
GOT2P1 (1.7)	C12orf43 (1.6)	COL4A3BP (1.5)	MAFB (1.4)	BMPR2 (1.4)
KPNB1 (1.6)	NFE2L3 (1.5)	SARS (1.4)	MAMSTR (1.4)	GNAI3 (1.4)
ENSG00000236267 (1	NCAN (1.9)	ZNF513 (1.8)	FADS2 (1.7)	MAMSTR (1.7)
USP24 (2.6)	SLC44A2 (2.4)	LPAR2 (2.3)	MAP3K4 (2.3)	DOCK6 (2.0)
C17orf57 (2.0)	ENSG00000231204 (2	FNDC4 (1.9)	ENSG00000182329 (1	LPL (1.7)
IGF2R (2.2)	ENSG00000244861 (2	CYB561D1 (2.1)	DNAH11 (2.0)	ENSG00000231204 (1
CETP (1.7)	ZNF821 (1.5)	SNX17 (1.5)	ENSG00000254235 (1	SPATC1 (1.4)
ENSG00000226645 (2	PLCG1 (1.9)	IST1 (1.8)	SPATC1 (1.8)	GNAT2 (1.8)
NYNRIN (2.0)	DHODH (2.0)	GATAD2A (2.0)	ENSG00000228044 (1	ENSG00000226806 (1
DHODH (2.3)	KPNB1 (2.2)	PSMA5 (2.2)	DHX38 (2.2)	DARS (2.0)
ENSG00000235545 (2	CEP250 (2.3)	PGS1 (2.0)	IFT172 (2.0)	DHODH (1.7)
FER1L4 (2.2)	GPAM (2.1)	LPL (2.0)	ENSG00000226622 (1	C19orf52 (1.7)
SARS (2.0)	MAU2 (1.9)	DHX38 (1.9)	C12orf43 (1.9)	SUGP1 (1.7)
DOCK6 (2.3)	PLEC (2.0)	GNAI3 (1.8)	GATAD2A (1.7)	LPIN3 (1.7)
SYPL2 (2.4)	CARM1 (2.3)	AMPD2 (2.2)	ATXN7L2 (2.0)	PLEC (1.9)
ENSG00000236436 (1	ZNF821 (1.8)	ERGIC3 (1.8)	ZRANB3 (1.4)	RAB3GAP1 (1.3)
ABCA5 (1.5)	UBXN4 (1.4)	LPL (1.4)	ENSG00000182329 (1	PMFBP1 (1.2)
FADS1 (1.9)	HMGCR (1.9)	FADS2 (1.8)	C19orf52 (1.8)	GOT2P1 (1.8)
ENSG00000226648 (2	USP24 (2.6)	SUMO1 (2.5)	ENSG00000235545 (1	GOT2P1 (1.6)
ENSG00000226648 (2	USP24 (2.6)	SUMO1 (2.5)	ENSG00000235545 (1	GOT2P1 (1.6)
CYP26A1 (2.0)	ENSG00000236436 (1	MAMSTR (1.7)	MYLIP (1.6)	IGF2R (1.6)
CELSR2 (2.7)	BCAM (2.6)	ENSG00000226806 (2	GDF5 (1.7)	LPA (1.7)
PCSK9 (1.8)	LCT (1.7)	GOT2P1 (1.6)	ENSG00000244861 (1	POLK (1.6)
MAFB (1.5)	SPATC1 (1.4)	IST1 (1.3)	TM6SF2 (1.3)	ENSG00000228044 (1
DOCK6 (1.9)	TM6SF2 (1.9)	GNAT2 (1.8)	GSTM5 (1.7)	KANK2 (1.7)
MYLIP (2.3)	FGF21 (2.3)	FUT2 (1.8)	PGS1 (1.8)	GDF5 (1.7)
OBP2B (2.4)	CLPTM1 (2.2)	LPIN3 (2.1)	ATP13A1 (1.9)	IST1 (1.8)
ENSG00000226648 (2	BMPR2 (1.9)	NFE2L3 (1.8)	C12orf43 (1.7)	MYLIP (1.6)
TRAM2 (1.7)	HNF1A (1.6)	ENSG00000236436 (1	EHBP1 (1.6)	ENSG00000256731 (1
ATXN7L2 (1.6)	MAP3K4 (1.5)	LPIN3 (1.5)	OBP2B (1.4)	CEP250 (1.4)
IZUMO1 (2.1)	ENSG00000226622 (1	C19orf52 (1.7)	DNAH11 (1.7)	MAP3K4 (1.5)
DNAH11 (1.3)	GATAD2A (1.3)	ENSG00000226645 (1	SUMO1 (1.2)	DOCK7 (1.2)
SNX17 (3.0)	NRBP1 (2.8)	AMPD2 (2.6)	IST1 (2.5)	DOCK7 (2.3)
SNX17 (3.0)	NRBP1 (2.8)	AMPD2 (2.6)	IST1 (2.5)	DOCK7 (2.3)
MAFB (1.8)	R3HDM1 (1.8)	CARM1 (1.8)	TBKBP1 (1.7)	RELB (1.7)
USP24 (1.6)	GSTM4 (1.6)	FADS1 (1.5)	GPAM (1.4)	ENSG00000244861 (1
CILP2 (2.1)	ENSG00000254235 (2	EHBP1 (1.9)	LPIN3 (1.6)	CYB561D1 (1.5)
FUT1 (2.4)	PVRL2 (2.3)	SLC44A2 (2.2)	AMPD2 (2.1)	POLK (2.0)
LPAR2 (2.0)	TXNL4B (1.9)	NRBP1 (1.9)	C19orf52 (1.9)	ENSG00000254235 (1
ZRANB3 (3.2)	AMIGO1 (2.3)	NUP93 (2.2)	KPNB1 (1.8)	ENSG00000235545 (1
EHBP1 (2.2)	PVRL2 (2.1)	TRAM2 (1.9)	ATXN1L (1.9)	IFT172 (1.9)
AMIGO1 (1.9)	PGS1 (1.9)	DNAH11 (1.8)	ABCA5 (1.7)	ENSG00000226806 (1
AMPD2 (2.9)	UBXN4 (2.5)	GNAT2 (2.2)	SNX17 (2.1)	RAB3GAP1 (2.1)
AMPD2 (2.9)	UBXN4 (2.5)	GNAT2 (2.2)	SNX17 (2.1)	RAB3GAP1 (2.1)
ENSG00000226622 (2	SNX17 (1.9)	ENSG00000256731 (1	GDF5 (1.6)	ENSG00000254235 (1
ENSG00000226622 (2	SNX17 (1.9)	ENSG00000256731 (1	GDF5 (1.6)	ENSG00000254235 (1
GNAT2 (2.4)	SYPL2 (2.2)	FUT2 (2.0)	CYB561D1 (2.0)	ST3GAL4 (1.9)
SLC22A2 (2.0)	COL4A3BP (1.8)	EHBP1 (1.8)	C11orf9 (1.7)	OTX1 (1.6)
NUP93 (2.7)	NRBP1 (2.6)	PPM1G (2.5)	SARS (2.0)	MCM6 (2.0)

LIPG (1.9)	ENSG00000231204 (1	ENSG00000235545 (1	YIPF2 (1.6)	FUT1 (1.5)
FUT2 (2.1)	GNAI3 (1.9)	ATXN7L2 (1.9)	MAP3K4 (1.8)	SUMO1 (1.7)
MAP3K4 (2.0)	ENSG00000226645 (1	KANK2 (1.9)	TOP1 (1.8)	SUGP1 (1.7)
MCM6 (3.8)	POC5 (3.6)	ZRANB3 (3.5)	NUP93 (1.5)	KPNB1 (1.2)
LPL (2.0)	BCAM (1.8)	ZHX3 (1.8)	PLCG1 (1.6)	USP24 (1.5)
FUT1 (2.1)	GATAD2A (2.0)	DOCK6 (2.0)	USP24 (1.9)	RAB3GAP1 (1.8)
PGS1 (1.9)	PSMA5 (1.9)	LIPG (1.8)	COL4A3BP (1.8)	CYB561D1 (1.7)
SYPL2 (1.8)	TBKBP1 (1.7)	ENSG00000244861 (1	GPAM (1.6)	SORT1 (1.6)
TIMD4 (2.0)	ABO (1.9)	PVRL2 (1.8)	ENSG00000226645 (1	GSTM5 (1.6)
ABCG8 (2.0)	PLCG1 (1.9)	GPR61 (1.9)	PBX4 (1.9)	OTX1 (1.7)
SUGP1 (2.4)	HAPLN4 (2.2)	C12orf43 (2.2)	YIPF2 (2.2)	GNAT2 (2.2)
TRIM54 (1.4)	ENSG00000236267 (1	SUMO1 (1.3)	TSSK6 (1.3)	SYPL2 (1.2)
ENSG00000226806 (2	CEP250 (2.1)	ZNF821 (2.0)	YSK4 (1.9)	MAFB (1.9)
PLEC (2.6)	PPM1G (2.5)	NUP93 (2.5)	KPNB1 (2.5)	NPEPPS (2.0)
USP24 (2.5)	SUMO1 (2.3)	COL4A3BP (2.0)	SMARCA4 (2.0)	ATXN1L (1.9)
SNX17 (2.3)	AMPD2 (1.9)	IFT172 (1.8)	ABCG8 (1.8)	GCKR (1.8)
KRTCAP3 (2.2)	DNAH11 (1.9)	ABCA5 (1.5)	TSSK6 (1.5)	LIPG (1.5)
DHX38 (1.9)	CEP250 (1.7)	ENSG00000236436 (1	YIPF2 (1.5)	GRINA (1.4)
ABO (1.9)	GATAD2A (1.9)	PPM1G (1.8)	GDF5 (1.7)	RAB3GAP1 (1.7)
C11orf9 (1.9)	NPEPPS (1.8)	CELSR2 (1.8)	PVRL2 (1.8)	EHBP1 (1.7)
NRBP1 (1.7)	NPEPPS (1.6)	ST3GAL4 (1.6)	LPIN3 (1.6)	COL4A3BP (1.5)
C11orf9 (2.1)	TSSK6 (2.1)	FGF21 (2.0)	SORT1 (1.9)	RAB3GAP1 (1.8)
PPM1G (2.4)	SARS (2.4)	DARS (2.4)	GATAD2A (2.1)	DHX38 (2.1)
PSMA5 (2.2)	C11orf9 (2.2)	KPNB1 (2.0)	IST1 (1.9)	GRINA (1.8)
KANK2 (2.2)	SORT1 (2.1)	DOCK6 (2.0)	GMIP (1.9)	TSSK6 (1.8)
ENSG00000182329 (2	ENSG00000235545 (2	NCAN (2.1)	ENSG00000226645 (2	LIPG (1.8)
CETP (1.8)	CYP26A1 (1.4)	COL4A3BP (1.4)	FUT1 (1.2)	LPL (1.2)
FUT2 (2.2)	R3HDM1 (2.1)	KRTCAP3 (2.0)	LPL (2.0)	ENSG00000226806 (1
IFT172 (2.4)	CYP26A1 (2.1)	NYNRIN (2.0)	KRTCAP3 (1.8)	CILP2 (1.6)
ENSG00000226622 (2	ABO (2.0)	PMFBP1 (1.9)	AMIGO1 (1.8)	SLC22A3 (1.6)
PVR (2.5)	PLCG1 (2.2)	SORT1 (2.0)	POLK (2.0)	BCAM (1.9)
FGF21 (2.7)	KPNB1 (2.4)	FUT1 (2.2)	ENSG00000236436 (2	NCAN (2.0)
POLK (1.9)	TIMD4 (1.9)	NCAN (1.8)	YSK4 (1.6)	SLC22A3 (1.6)
OTX1 (1.9)	OBP2B (1.7)	ENSG00000236436 (1	C11orf9 (1.6)	TXNL4B (1.5)
SORT1 (1.9)	FUT2 (1.8)	LDLR (1.5)	ENSG00000236436 (1	FADS1 (1.4)
GSTM5 (1.4)	GMIP (1.4)	ST3GAL4 (1.3)	NYNRIN (1.2)	EHBP1 (1.2)
CLPTM1 (2.1)	ATXN7L2 (1.9)	TOMM40 (1.9)	PBX4 (1.8)	CBLC (1.7)
FGF21 (1.3)	LPAL2 (1.2)	LPAR2 (1.2)	ENSG00000182329 ((	HMGCR (0.9)
POLK (2.2)	ATP13A1 (2.1)	ERGIC3 (2.0)	PMFBP1 (1.8)	CLPTM1 (1.6)
ZRANB3 (2.9)	CEP250 (2.5)	PSRC1 (2.4)	NUP93 (2.1)	POC5 (1.3)
OASL (2.1)	GMIP (2.1)	GSTM4 (2.1)	TRIB1 (2.1)	CYB561D1 (2.0)
ABCA1 (1.8)	ENSG00000228044 (1	SLC22A1 (1.4)	KRTCAP3 (1.4)	FUT1 (1.4)
DOCK6 (1.9)	GCKR (1.6)	RASIP1 (1.6)	ABCA5 (1.6)	MAP3K4 (1.6)
POLK (2.2)	ENSG00000182329 (2	CYB561D1 (2.1)	SLC44A2 (2.1)	ATP13A1 (1.7)
GPR61 (2.5)	GSTM5 (1.9)	RASIP1 (1.9)	SLC22A3 (1.9)	LPL (1.9)
IGF2R (2.0)	LPIN3 (1.7)	TRIM54 (1.7)	CELSR2 (1.6)	ZRANB3 (1.6)
ABCG8 (2.3)	ENSG00000182329 (2	ENSG00000236267 (2	SLC22A3 (1.9)	ABCG5 (1.9)
TBKBP1 (2.0)	AMPD2 (1.9)	GRINA (1.9)	NCAN (1.8)	PSRC1 (1.7)
PLEC (2.4)	GOT2P1 (2.1)	BMPR2 (2.0)	CARM1 (1.8)	KPNB1 (1.8)
SARS (2.4)	GNAI3 (2.4)	TOMM40 (2.4)	PPM1G (2.3)	RELB (2.3)

NFE2L3 (1.8)	ENSG00000228044 (1	ENSG00000244861 (1	ENSG00000236436 (1	C12orf43 (1.7)
FUT1 (2.3)	AMPD2 (2.1)	SLC44A2 (2.1)	DOCK6 (2.0)	SORT1 (1.8)
DARS (2.5)	POC5 (2.2)	NUP93 (2.1)	TXNL4B (2.1)	FEN1 (2.0)
USP1 (2.1)	ZNF259 (2.1)	DARS (2.0)	TOMM40 (2.0)	SMARCA4 (1.9)
FER1L4 (1.8)	GPR61 (1.6)	C11orf9 (1.6)	GOT2P1 (1.6)	GCKR (1.5)
MCM6 (3.7)	ZRANB3 (3.2)	POC5 (2.9)	NUP93 (2.2)	KPNB1 (1.8)
PVR (2.1)	C17orf57 (2.1)	DOCK6 (2.0)	TBKBP1 (2.0)	ABCA5 (1.7)
MAFB (2.7)	PBX4 (2.0)	RELB (2.0)	TIMD4 (1.9)	IGF2R (1.9)
HNF4A (2.0)	GSTM5 (2.0)	APOC3 (1.9)	APOE (1.8)	MAP3K4 (1.8)
ENSG00000182329 (1	DNAH11 (1.9)	C12orf43 (1.8)	ABCA6 (1.7)	NYNRIN (1.5)
GPR61 (2.1)	FNDC4 (2.1)	PCSK9 (2.0)	EHBP1 (2.0)	TSSK6 (1.9)
MYLIP (2.2)	APOC1 (1.9)	SORT1 (1.8)	GDF5 (1.8)	LIPC (1.7)
ATXN7L2 (2.1)	TSSK6 (2.1)	DNAH11 (1.9)	ST3GAL4 (1.7)	NCAN (1.6)
ENSG00000182329 (2	ERGIC3 (1.9)	FER1L4 (1.7)	TSSK6 (1.3)	SPATC1 (1.2)
TSSK6 (1.9)	ENSG00000244861 (1	ENSG00000228044 (1	PMFBP1 (1.5)	ENSG00000235545 (1
GATAD2A (2.0)	ABCA5 (1.8)	PMFBP1 (1.7)	POLK (1.6)	ATXN7L2 (1.4)
USP24 (2.4)	NYNRIN (2.2)	POLK (2.2)	RASIP1 (2.1)	POC5 (1.9)
NRBP1 (2.4)	TRIB1 (2.1)	PSRC1 (2.1)	CBLC (1.9)	ATXN1L (1.9)
SUMO1 (1.7)	GATAD2A (1.5)	SPATC1 (1.5)	ATP13A1 (1.5)	MAMSTR (1.4)
SUMO1 (1.7)	GATAD2A (1.5)	SPATC1 (1.5)	ATP13A1 (1.5)	MAMSTR (1.4)
SLC22A3 (2.3)	PMFBP1 (2.3)	TRIB1 (2.2)	GPR61 (2.2)	ENSG00000226645 (2
SUGP1 (2.4)	ATP13A1 (2.0)	MAU2 (2.0)	DOCK7 (2.0)	IFT172 (1.9)
MYLIP (2.0)	ENSG00000244861 (1	FNDC4 (1.7)	TOP1 (1.6)	KRTCAP3 (1.6)
SPATC1 (2.1)	C17orf57 (1.8)	FNDC4 (1.7)	GNAI3 (1.7)	CBLC (1.4)
GATAD2A (2.2)	LPAR2 (2.1)	CARM1 (1.9)	LPIN3 (1.9)	PGS1 (1.9)
KRTCAP3 (2.6)	MAMSTR (2.5)	CELSR2 (2.4)	SYPL2 (2.3)	FUT2 (2.2)
SUGP1 (1.9)	NFE2L3 (1.9)	MAU2 (1.7)	POC5 (1.6)	NPEPPS (1.6)
ABO (2.3)	PMFBP1 (2.0)	SLC22A3 (1.9)	AMIGO1 (1.8)	ENSG00000226622 (1
ABO (2.3)	PMFBP1 (2.0)	SLC22A3 (1.9)	AMIGO1 (1.8)	ENSG00000226622 (1
NYNRIN (2.2)	C19orf52 (1.9)	ATXN7L2 (1.8)	IZUMO1 (1.7)	TSSK6 (1.7)
KRTCAP3 (1.7)	ENSG00000182329 (1	MYLIP (1.4)	PGS1 (1.3)	POC5 (1.2)
ABCA1 (2.4)	CLPTM1 (2.4)	GRINA (2.2)	C11orf9 (1.9)	SORT1 (1.8)
CELSR2 (2.4)	ZNF821 (2.4)	BCAM (2.2)	FUT1 (2.1)	LPIN3 (1.9)
ABO (1.8)	MAU2 (1.8)	CYP26A1 (1.7)	ENSG00000236436 (1	C19orf52 (1.5)
DOCK6 (1.9)	RAB3GAP1 (1.8)	KANK2 (1.7)	GATAD2A (1.6)	NRBP1 (1.5)
LPAR2 (2.0)	PVRL2 (2.0)	FUT1 (1.8)	DOCK6 (1.7)	COL4A3BP (1.7)
PGS1 (2.5)	MAFB (2.3)	CYP26A1 (1.9)	TBKBP1 (1.6)	CILP2 (1.5)
APOA4 (2.0)	TSSK6 (1.9)	ENSG00000182329 (1	TXNL4B (1.7)	ABCA5 (1.6)
PLCG1 (2.2)	MAFB (1.8)	PBX4 (1.5)	TIMD4 (1.4)	MYLIP (1.3)
CELSR2 (2.3)	OTX1 (2.2)	PBX4 (2.2)	GDF5 (1.8)	MAFB (1.6)
CELSR2 (1.7)	PMFBP1 (1.6)	IZUMO1 (1.5)	C17orf57 (1.4)	APOC1 (1.4)
FADS2 (2.1)	GDF5 (2.1)	IZUMO1 (2.0)	LPIN3 (1.8)	BCAM (1.6)
ZNF259 (2.7)	NUP93 (2.4)	DARS (2.4)	DHX38 (2.2)	PPM1G (1.9)
TSSK6 (1.7)	ATXN7L2 (1.6)	NYNRIN (1.6)	ENSG00000231204 (1	SLC22A3 (1.5)
AMIGO1 (2.5)	USP1 (2.5)	FEN1 (2.5)	ENSG00000236436 (2	ENSG00000235545 (1
TRIB1 (2.6)	MAP3K4 (2.5)	TOP1 (2.3)	ENSG00000231204 (2	CARM1 (2.2)
BMPR2 (2.1)	ENSG00000254235 (2	NYNRIN (1.9)	C19orf52 (1.9)	ENSG00000236436 (1
ENSG00000228044 (2	FEN1 (2.4)	AMIGO1 (2.4)	CEP250 (2.3)	GOT2P1 (2.2)
SLC22A2 (2.3)	NCAN (2.1)	RASIP1 (2.0)	FUT1 (1.8)	LPL (1.7)
ATXN1L (1.8)	AMIGO1 (1.7)	FGF21 (1.7)	RAB3GAP1 (1.7)	KANK2 (1.6)

RASIP1 (2.3)	IZUMO1 (2.0)	LIPG (1.9)	BCAM (1.6)	ABO (1.6)
SUMO1 (2.4)	PSMA5 (2.4)	PPM1G (2.2)	KPNB1 (2.2)	SNX17 (2.1)
TRIM54 (2.4)	YIPF2 (2.3)	GATAD2A (2.1)	FGF21 (1.9)	SYPL2 (1.8)
FUT1 (1.8)	TXNL4B (1.7)	IST1 (1.6)	LPIN3 (1.5)	PMFBP1 (1.5)
ENSG00000236436 (1	LCT (1.6)	ENSG00000254235 (1	ABO (1.5)	C19orf52 (1.4)
ENSG00000226645 (2	BMPR2 (2.1)	NRBP1 (1.8)	LPL (1.8)	CARM1 (1.7)
NUP93 (2.6)	SUGP1 (2.4)	ABCA6 (2.1)	ZRANB3 (2.0)	POC5 (1.7)
ZRANB3 (4.7)	NUP93 (3.4)	ENSG00000235545 (2	KPNB1 (2.2)	DARS (2.1)
ABCA1 (1.7)	CYP26A1 (1.6)	PVRL2 (1.6)	LPL (1.6)	DOCK7 (1.5)
TXNL4B (2.2)	TOMM40 (1.8)	ATXN1L (1.5)	DNAH11 (1.4)	GOT2P1 (1.2)
TXNL4B (2.2)	TOMM40 (1.8)	ATXN1L (1.5)	DNAH11 (1.4)	GOT2P1 (1.2)
GDF5 (1.8)	CYP26A1 (1.8)	CILP2 (1.7)	DNAH11 (1.5)	NYNRIN (1.4)
MCM6 (2.8)	LPAR2 (2.7)	FEN1 (2.6)	IFT172 (2.2)	SUGP1 (2.1)
GDF5 (2.5)	ENSG00000226648 (2	ENSG00000256731 (2	AMIGO1 (2.1)	R3HDM1 (1.9)
BCAM (3.1)	MAMSTR (2.9)	ZHX3 (2.6)	CELSR2 (2.6)	TRAM2 (1.7)
IZUMO1 (1.9)	LPAR2 (1.6)	PARP10 (1.6)	POLK (1.5)	PBX4 (1.5)
EHBP1 (2.0)	PVRL2 (1.8)	TRIM54 (1.8)	C11orf9 (1.7)	SLC44A2 (1.6)
PSRC1 (1.9)	MAMSTR (1.8)	DNAH11 (1.8)	C11orf9 (1.8)	SORT1 (1.6)
KRTCAP3 (2.3)	IST1 (2.1)	CYB561D1 (1.8)	C17orf57 (1.8)	LPAR2 (1.7)
FADS2 (2.9)	PCSK9 (2.7)	CLPTM1 (2.5)	LIPG (1.8)	IST1 (1.6)
DARS (2.3)	SUGP1 (2.2)	SMARCA4 (2.2)	C19orf52 (2.1)	PPM1G (2.0)
MYLIP (2.1)	NYNRIN (2.0)	RELB (1.8)	ZNF259 (1.7)	PLCG1 (1.6)
PGS1 (1.9)	GNAI3 (1.9)	KPNB1 (1.9)	ERGIC3 (1.7)	DARS (1.6)
ENSG00000226622 (1	ENSG00000231204 (1	PPM1G (1.6)	PSMA5 (1.6)	RASIP1 (1.6)
ENSG00000236267 (2	PMFBP1 (1.9)	FNDC4 (1.9)	GOT2P1 (1.7)	OASL (1.3)
BUD13 (1.9)	LPIN3 (1.8)	ST3GAL4 (1.5)	ENSG00000236436 (1	C12orf43 (1.3)
SLC44A2 (2.3)	LPAR2 (2.3)	FUT1 (2.2)	DOCK6 (2.1)	SORT1 (2.0)
BMPR2 (2.4)	PVRL2 (1.9)	ATXN1L (1.9)	CBLC (1.8)	NPEPPS (1.5)
GSTM4 (2.2)	MAMSTR (2.2)	SORT1 (2.1)	AMPD2 (2.1)	C12orf43 (2.1)
DOCK6 (1.6)	LIPG (1.5)	ABCA6 (1.5)	ZNF821 (1.2)	ENSG00000226806 (1
LPAR2 (2.6)	CELSR2 (2.2)	DNAH11 (1.8)	PBX4 (1.8)	BMPR2 (1.6)
NYNRIN (1.9)	ENSG00000231204 (1	FEN1 (1.9)	ZRANB3 (1.9)	ATXN7L2 (1.9)
COL4A3BP (2.2)	KANK2 (1.9)	C19orf80 (1.9)	ZHX3 (1.9)	PARP10 (1.9)
MAMSTR (2.2)	ATXN1L (2.2)	ABCA6 (1.9)	PVR (1.8)	TRAM2 (1.7)
PMFBP1 (1.9)	CILP2 (1.9)	GPR61 (1.7)	POLK (1.5)	ENSG00000231204 (1
NPEPPS (2.0)	POLK (2.0)	SMARCA4 (1.9)	IFT172 (1.8)	NFE2L3 (1.8)
ENSG00000226806 (1	BCAM (1.9)	PBX4 (1.9)	ATXN1L (1.7)	CYP26A1 (1.7)
ENSG00000236267 (1	PGS1 (1.4)	SUMO1 (1.4)	SPATC1 (1.3)	NOP58 (1.3)
ZRANB3 (4.5)	NUP93 (2.5)	DARS (1.9)	DHODH (1.7)	KPNB1 (1.7)
ZHX3 (2.2)	PMFBP1 (2.0)	ENSG00000236267 (1	ST3GAL4 (1.8)	ENSG00000231204 (1
MAU2 (2.6)	DHODH (2.2)	BUD13 (2.0)	SUGP1 (2.0)	SUMO1 (2.0)
ZRANB3 (3.4)	ENSG00000235545 (2	NUP93 (2.3)	CEP250 (2.0)	AMIGO1 (1.8)
ABCG8 (2.0)	GPAM (1.8)	SYPL2 (1.8)	PSMA5 (1.7)	SNX17 (1.5)
LPAL2 (3.0)	FGF21 (2.6)	ENSG00000182329 (2	C17orf57 (2.3)	ABCA5 (2.2)
APOE (2.5)	ENSG00000226648 (2	DOCK7 (1.6)	ENSG00000231204 (1	APOC1 (1.5)
ENSG00000235545 (2	IZUMO1 (2.3)	GOT2P1 (2.1)	ENSG00000231204 (2	LPIN3 (2.0)
ZRANB3 (4.2)	NUP93 (3.1)	PSRC1 (2.7)	PPM1G (1.8)	KPNB1 (1.8)
GNAI3 (1.5)	ENSG00000254235 (1	PMFBP1 (1.4)	TM6SF2 (1.3)	ENSG00000235545 (1
ATXN7L2 (2.2)	CYP26A1 (2.1)	C17orf57 (1.9)	SLC22A3 (1.6)	ENSG00000226648 (1
ENSG00000236267 (1	OASL (1.8)	GMIP (1.7)	POLK (1.7)	EHBP1 (1.6)

GDF5 (2.6)	PLCG1 (2.3)	NYNRIN (2.3)	KANK2 (2.2)	MAFB (2.0)
ENSG00000226622 (2	ENSG00000235545 (1	NFE2L3 (1.2)	DNAH11 (1.2)	GDF5 (1.2)
ENSG00000226622 (2	ENSG00000235545 (1	NFE2L3 (1.2)	DNAH11 (1.2)	GDF5 (1.2)
POLK (2.0)	SUGP1 (1.8)	GATAD2A (1.6)	BUD13 (1.6)	ENSG00000226648 (1
DNAH11 (2.1)	CYP26A1 (1.9)	MYLIP (1.7)	ENSG00000244861 (1	PLCG1 (1.7)
DNAH11 (2.1)	CYP26A1 (1.9)	MYLIP (1.7)	ENSG00000244861 (1	PLCG1 (1.7)
SUGP1 (2.6)	DOCK7 (2.5)	CYB561D1 (2.5)	ATXN7L2 (2.5)	POC5 (2.0)
ABCG5 (3.2)	APOC3 (2.8)	ABCG8 (2.6)	APOB (2.4)	SARS (2.2)
NPEPPS (1.8)	PLCG1 (1.8)	TBKBP1 (1.8)	FADS1 (1.7)	C17orf57 (1.5)
PMFBP1 (2.0)	ABO (2.0)	AMIGO1 (1.8)	GSTM5 (1.8)	ENSG00000226622 (1
GATAD2A (2.1)	NRBP1 (2.0)	LPAR2 (2.0)	RASIP1 (1.8)	DNAH11 (1.8)
GATAD2A (2.1)	NRBP1 (2.0)	LPAR2 (2.0)	RASIP1 (1.8)	DNAH11 (1.8)
UBXN4 (2.6)	CYB561D1 (2.4)	ZNF513 (2.3)	SORT1 (2.1)	DHX38 (2.0)
PVR (2.4)	GNAI3 (2.1)	RAB3GAP1 (2.0)	ENSG00000235545 (1	NRBP1 (1.7)
MAFB (3.2)	DOCK7 (2.9)	ENSG00000226648 (2	BMPR2 (2.4)	ENSG00000226645 (2
MAFB (1.7)	ST3GAL4 (1.5)	ZHX3 (1.5)	FUT1 (1.5)	YSK4 (1.5)
PLCG1 (2.3)	GATAD2A (2.0)	R3HDM1 (1.8)	C17orf57 (1.7)	LPIN3 (1.6)
SUGP1 (2.3)	ZNF513 (2.1)	BUD13 (2.1)	ENSG00000226645 (2	C19orf52 (1.9)
IGF2R (2.0)	ZHX3 (2.0)	USP24 (1.8)	POC5 (1.7)	SARS (1.6)
GRINA (1.7)	C12orf43 (1.7)	PBX4 (1.6)	RELB (1.6)	RAB3GAP1 (1.5)
IZUMO1 (2.0)	ENSG00000256731 (1	FUT2 (1.8)	GPAM (1.6)	LCT (1.6)
IST1 (2.0)	GMIP (1.8)	SNX17 (1.8)	ZNF513 (1.7)	CLPTM1 (1.7)
NUP93 (1.9)	SUGP1 (1.9)	NRBP1 (1.6)	HAVCR1 (1.5)	TIMD4 (1.5)
RASIP1 (2.2)	CELSR2 (2.1)	NYNRIN (2.1)	NCAN (2.0)	GATAD2A (2.0)
RASIP1 (2.2)	CELSR2 (2.1)	NYNRIN (2.1)	NCAN (2.0)	GATAD2A (2.0)
ENSG00000182329 (2	ENSG00000244861 (2	FER1L4 (2.0)	RP1 (1.9)	ENSG00000254235 (1
HAVCR1 (2.3)	YSK4 (2.3)	GOT2P1 (2.0)	NRBP1 (2.0)	HMGCR (2.0)
MAFB (2.0)	NFE2L3 (1.9)	PLCG1 (1.8)	AMIGO1 (1.6)	LPIN3 (1.5)
ENSG00000226622 (2	ENSG00000226648 (2	FER1L4 (2.0)	IZUMO1 (1.6)	ENSG00000236436 (1
ZRANB3 (2.3)	TOP1 (2.0)	ATXN7L2 (2.0)	ZHX3 (1.8)	C19orf52 (1.8)
CARM1 (2.6)	R3HDM1 (2.3)	SYPL2 (2.3)	GOT2P1 (2.2)	GPR61 (1.9)
PBX4 (2.5)	SLC44A2 (2.4)	LCT (2.3)	TIMD4 (2.2)	ABCA1 (1.5)
USP1 (1.9)	CARM1 (1.8)	ENSG00000254235 (1	MYLIP (1.5)	R3HDM1 (1.4)
TRIM54 (2.7)	ATXN7L2 (2.3)	SLC22A3 (2.0)	ATXN1L (2.0)	SLC44A2 (1.8)
OBP2B (1.9)	TSSK6 (1.7)	ZRANB3 (1.6)	R3HDM1 (1.6)	ATXN7L2 (1.6)
AMPD2 (2.0)	POLK (2.0)	FGF21 (1.9)	CYP26A1 (1.8)	ZHX3 (1.8)
PBX4 (2.1)	IZUMO1 (1.8)	ENSG00000254235 (1	PGS1 (1.7)	MYLIP (1.5)
TM6SF2 (1.9)	APOE (1.8)	FUT1 (1.7)	RELB (1.7)	BCAM (1.6)
ATP13A1 (1.4)	SUGP1 (1.3)	C19orf52 (1.3)	SPATC1 (1.2)	R3HDM1 (1.2)
HAVCR1 (2.0)	SLC22A3 (2.0)	MAFB (1.7)	APOE (1.5)	YIPF2 (1.4)
HAVCR1 (2.0)	SLC22A3 (2.0)	MAFB (1.7)	APOE (1.5)	YIPF2 (1.4)
CBLC (2.2)	TM6SF2 (2.2)	FUT1 (2.2)	HNF1A (2.2)	HAPLN4 (1.9)
LCT (1.7)	ABCA1 (1.7)	APOA4 (1.6)	GDF5 (1.6)	KANK2 (1.5)
MYLIP (1.7)	ZNF513 (1.5)	COL4A3BP (1.5)	MAU2 (1.3)	ENSG00000256731 (1
TRAM2 (2.2)	ST3GAL4 (2.2)	ENSG00000236436 (2	NPEPPS (1.9)	BMPR2 (1.9)
MAU2 (2.0)	PVR (1.9)	TRIB1 (1.8)	SORT1 (1.4)	LPL (1.4)
GSTM4 (1.6)	APOC1 (1.4)	SLC44A2 (1.4)	CILP2 (1.3)	SLC22A2 (1.3)
NPEPPS (2.3)	MAU2 (1.8)	CARM1 (1.7)	EHBP1 (1.6)	DARS (1.5)
BMPR2 (1.5)	ENSG00000228044 (1	ZNF821 (1.4)	GATAD2A (1.4)	TBKBP1 (1.3)
DHX38 (3.1)	TXNL4B (2.7)	POC5 (2.7)	ZNF259 (2.7)	BUD13 (2.6)

CYB561D1 (1.5)	ABCA6 (1.4)	CEP250 (1.3)	TOP1 (1.3)	LPAR2 (1.3)
LPL (2.0)	ATXN7L2 (1.7)	KRTCAP3 (1.5)	FADS2 (1.4)	IGF2R (1.3)
KPNB1 (2.4)	DARS (2.2)	IST1 (2.0)	NUP93 (1.8)	SUMO1 (1.8)
HNF4A (2.3)	FER1L4 (2.2)	IZUMO1 (2.2)	GSTM4 (2.1)	OBP2B (1.8)
C19orf52 (2.2)	ABCA5 (2.1)	MAP3K4 (1.8)	FGF21 (1.6)	ENSG00000236436 (1
IFT172 (2.9)	POC5 (2.1)	PSRC1 (2.1)	PBX4 (1.9)	COL4A3BP (1.7)
LPIN3 (1.9)	TSSK6 (1.7)	PMFBP1 (1.7)	C17orf57 (1.5)	ENSG00000228044 (1
ENSG00000228044 (2	ENSG00000226806 (1	ENSG00000231204 (1	YIPF2 (1.5)	HAVCR1 (1.5)
ENSG00000228044 (2	ENSG00000226806 (1	ENSG00000231204 (1	YIPF2 (1.5)	HAVCR1 (1.5)
ENSG00000228044 (2	ENSG00000226806 (1	ENSG00000231204 (1	YIPF2 (1.5)	HAVCR1 (1.5)
BUD13 (2.5)	TRIB1 (2.4)	USP1 (2.4)	NOP58 (2.2)	CARM1 (2.2)
USP24 (2.2)	C19orf80 (2.0)	C11orf9 (2.0)	COL4A3BP (2.0)	EHBP1 (1.9)
ENSG00000228044 (2	PVR (1.9)	MAU2 (1.8)	ATXN1L (1.8)	ENSG00000226645 (1
ATXN1L (2.1)	ENSG00000244861 (2	C12orf43 (1.9)	SUMO1 (1.9)	ENSG00000228044 (1
FGF21 (2.4)	SYPL2 (2.1)	FNDC4 (1.9)	MAFB (1.9)	FUT2 (1.8)
AMIGO1 (2.0)	ENSG00000226645 (1	TRIB1 (1.6)	KRTCAP3 (1.5)	ENSG00000236267 (1
ENSG00000254235 (1	MYLIP (1.3)	SLC22A3 (1.3)	RAB3GAP1 (1.2)	ERGIC3 (1.2)
CELSR2 (2.0)	IGF2R (1.7)	PLEC (1.6)	TRAM2 (1.6)	NCAN (1.6)
POLK (2.0)	NFE2L3 (1.9)	ZRANB3 (1.9)	SUGP1 (1.8)	NUP93 (1.7)
IFT172 (2.5)	KRTCAP3 (1.9)	CYP26A1 (1.9)	NYNRIN (1.8)	ENSG00000244861 (1
SUMO1 (2.6)	BUD13 (2.5)	TXNL4B (2.5)	ENSG00000226645 (2	NPEPPS (2.0)
ENSG00000236436 (2	GSTM5 (1.9)	NYNRIN (1.7)	TSSK6 (1.7)	FER1L4 (1.7)
TM6SF2 (1.8)	CLPTM1 (1.7)	ST3GAL4 (1.7)	HAPLN4 (1.7)	GNAT2 (1.7)
C11orf9 (2.3)	BCAM (2.3)	HNF1A (2.2)	ENSG00000182329 (2	PMFBP1 (1.8)
ATXN7L2 (2.0)	OBP2B (1.9)	ENSG00000236436 (1	PVRL2 (1.8)	IFT172 (1.7)
ENSG00000226648 (1	ENSG00000226645 (1	KPNB1 (1.7)	RASIP1 (1.6)	KANK2 (1.6)
ENSG00000236267 (1	DARS (1.4)	ENSG00000226645 (1	SLC22A3 (1.3)	DNAH11 (1.3)
IGF2R (2.1)	FNDC4 (1.8)	MAFB (1.8)	CYP26A1 (1.7)	GOT2P1 (1.4)
DARS (2.5)	UBXN4 (2.3)	PPM1G (2.1)	NPEPPS (2.0)	ENSG00000236436 (2
NUP93 (2.4)	ZRANB3 (2.4)	AMIGO1 (2.2)	ENSG00000235545 (1	PPM1G (1.7)
OBP2B (2.6)	CLPTM1 (2.2)	LPIN3 (2.1)	ATP13A1 (1.9)	IST1 (1.8)
MAMSTR (3.0)	GSTM5 (2.4)	DOCK7 (2.0)	ABCA6 (1.9)	HNF1A (1.9)
LPAR2 (1.9)	ENSG00000226806 (1	CEP250 (1.8)	PBX4 (1.8)	SNX17 (1.8)
USP24 (2.5)	POLK (2.1)	DHX38 (2.0)	DARS (2.0)	NUP93 (1.8)
GNAI3 (1.8)	LPA (1.7)	ENSG00000256731 (1	TXNL4B (1.6)	APOE (1.5)
KRTCAP3 (1.8)	KANK2 (1.7)	MAMSTR (1.7)	OBP2B (1.6)	C17orf57 (1.5)
RELB (2.4)	PARP10 (2.4)	IGF2R (1.7)	PBX4 (1.6)	LCT (1.6)
CELSR2 (2.7)	IGF2R (2.2)	FUT2 (1.6)	MAP3K4 (1.6)	IFT172 (1.4)
ZRANB3 (4.5)	NUP93 (2.4)	DARS (2.0)	MAU2 (1.6)	KPNB1 (1.6)
ATXN1L (2.1)	ERGIC3 (1.8)	HNF1A (1.8)	KANK2 (1.8)	GDF5 (1.7)
TBKBP1 (2.6)	USP24 (2.4)	ENSG00000244861 (2	NRBP1 (1.9)	PLEC (1.9)
SNX17 (1.9)	DOCK6 (1.8)	ATXN1L (1.8)	FNDC4 (1.7)	GSTM4 (1.7)
SYPL2 (2.0)	ENSG00000256731 (1	ENSG00000226622 (1	CYP26A1 (1.5)	TBKBP1 (1.5)
LPAL2 (1.9)	LCT (1.9)	ENSG00000226622 (1	C12orf43 (1.6)	ABO (1.5)
ENSG00000236267 (1	ATXN1L (1.7)	GATAD2A (1.6)	ENSG00000228044 (1	MAP3K4 (1.4)
MAFB (2.1)	ABCA6 (1.8)	SLC44A2 (1.7)	CEP250 (1.6)	RAB3GAP1 (1.5)
ENSG00000226648 (2	ATXN7L2 (2.2)	CYP26A1 (2.1)	C17orf57 (1.8)	SLC22A3 (1.5)
NCAN (1.8)	IST1 (1.7)	GNAI3 (1.7)	ZHX3 (1.6)	NUP93 (1.6)
EHBP1 (1.7)	C19orf52 (1.6)	C17orf57 (1.4)	LPAL2 (1.3)	LPAR2 (1.2)
MAFB (2.1)	GDF5 (1.7)	ENSG00000231204 (1	PBX4 (1.5)	CILP2 (1.4)

HAVCR1 (2.1)	CILP2 (1.9)	ENSG00000254235 (1	CYB561D1 (1.5)	ENSG00000236267 (1
ENSG00000235545 (1	ST3GAL4 (1.7)	DNAH11 (1.6)	ENSG00000244861 (1	ENSG00000236267 (1
SNX17 (2.2)	SLC22A2 (2.2)	YIPF2 (2.1)	GSTM5 (1.8)	ENSG00000231204 (1
NFE2L3 (2.2)	SUMO1 (2.1)	PPM1G (1.9)	CELSR2 (1.8)	SUGP1 (1.7)
PCSK9 (2.8)	SNX17 (2.5)	FADS2 (2.5)	KRTCAP3 (2.5)	ZNF259 (2.0)
APOC1 (1.6)	YIPF2 (1.5)	MYLIP (1.3)	ERGIC3 (1.3)	YSK4 (1.2)
TOP1 (1.9)	GATAD2A (1.8)	KPNB1 (1.7)	NPEPPS (1.7)	PPM1G (1.7)
TRIM54 (1.7)	HAVCR1 (1.7)	OTX1 (1.7)	KANK2 (1.7)	HAPLN4 (1.7)
BCAM (2.7)	HAVCR1 (2.2)	ENSG00000236267 (2	PLEC (1.9)	SUMO1 (1.5)
CARM1 (2.2)	PLCG1 (2.2)	BCAM (2.0)	TSSK6 (1.9)	PLEC (1.8)
MYLIP (1.6)	ZNF821 (1.6)	ENSG00000244861 (1	CYP26A1 (1.5)	GSTM4 (1.5)
ENSG00000254235 (2	TRAM2 (2.4)	CYP26A1 (2.3)	KANK2 (2.1)	ATXN1L (1.9)
BUD13 (2.0)	NOP58 (1.9)	TOP1 (1.9)	NUP93 (1.8)	USP1 (1.8)
BUD13 (2.0)	NOP58 (1.9)	TOP1 (1.9)	NUP93 (1.8)	USP1 (1.8)
ZNF821 (2.4)	MYLIP (2.4)	NYNRIN (2.1)	ENSG00000236436 (1	CELSR2 (1.6)
NCAN (2.8)	TSSK6 (2.2)	CYP26A1 (2.0)	CELSR2 (2.0)	DNAH11 (1.9)
SYPL2 (1.9)	ENSG00000236436 (1	SUMO1 (1.9)	DNAH11 (1.9)	TM6SF2 (1.7)
ATP13A1 (2.1)	PBX4 (2.1)	C12orf43 (1.8)	SUGP1 (1.8)	HNF1A (1.7)
FER1L4 (1.8)	AMPD2 (1.7)	C12orf43 (1.6)	NCAN (1.6)	C11orf9 (1.5)
IFT172 (2.9)	ENSG00000182329 (2	POC5 (2.2)	POLK (2.0)	PBX4 (2.0)
OTX1 (1.2)	FUT2 (1.2)	PMFBP1 (1.2)	C11orf9 (1.1)	GSTM4 (1.1)
ABCA6 (2.1)	NFE2L3 (1.9)	IZUMO1 (1.9)	ZNF513 (1.6)	POLK (1.6)
MYLIP (2.2)	CYP26A1 (2.0)	ENSG00000244861 (1	CILP2 (1.8)	ATXN7L2 (1.4)
MYLIP (2.2)	CYP26A1 (2.0)	ENSG00000244861 (1	CILP2 (1.8)	ATXN7L2 (1.4)
ABO (2.2)	OTX1 (1.9)	SPATC1 (1.9)	ENSG00000226806 (1	ENSG00000256731 (1
NFE2L3 (2.4)	POC5 (2.2)	SUGP1 (2.1)	SUMO1 (2.0)	ENSG00000256731 (1
NRBP1 (2.0)	GATAD2A (1.9)	PLEC (1.9)	CEP250 (1.8)	SLC44A2 (1.7)
TSSK6 (2.6)	HNF1A (2.2)	PMFBP1 (1.9)	ENSG00000231204 (1	ENSG00000236436 (1
TSSK6 (2.6)	HNF1A (2.2)	PMFBP1 (1.9)	ENSG00000231204 (1	ENSG00000236436 (1
TXNL4B (2.4)	ZNF259 (2.0)	CLPTM1 (1.9)	PSMA5 (1.8)	TOMM40 (1.7)
ENSG00000226645 (2	CYP26A1 (2.1)	SPATC1 (1.9)	PMFBP1 (1.8)	ENSG00000226806 (1
AMIGO1 (1.9)	LPL (1.6)	ENSG00000226806 (1	GPR61 (1.5)	ENSG00000228044 (1
CYB561D1 (1.6)	TBKBP1 (1.5)	LCT (1.5)	PBX4 (1.5)	POLK (1.4)
EHBP1 (1.8)	PLCG1 (1.7)	ATXN1L (1.7)	TXNL4B (1.7)	SMARCA4 (1.7)
YSK4 (1.7)	ENSG00000254235 (1	TXNL4B (1.5)	HAPLN4 (1.4)	PVRL2 (1.3)
ENSG00000236267 (2	IZUMO1 (2.4)	DNAH11 (2.1)	LCT (1.7)	GMIP (1.3)
HNF4A (3.2)	ENSG00000226806 (3	LCT (2.7)	SLC22A1 (2.4)	HAVCR1 (2.2)
BUD13 (2.6)	SMARCA4 (2.6)	SUGP1 (2.5)	NRBP1 (2.2)	GNAI3 (2.2)
NOP58 (2.4)	GATAD2A (2.2)	ERGIC3 (2.1)	PPM1G (2.1)	PLCG1 (2.0)
AMPD2 (2.2)	ENSG00000244861 (2	RAB3GAP1 (2.1)	SPATC1 (1.9)	ENSG00000231204 (1
USP1 (2.2)	KPNB1 (2.1)	BUD13 (2.1)	TOMM40 (2.0)	ENSG00000231204 (2
USP1 (2.2)	KPNB1 (2.1)	BUD13 (2.1)	TOMM40 (2.0)	ENSG00000231204 (2
ENSG00000256731 (1	GPR61 (1.8)	PLEC (1.7)	MAU2 (1.6)	FUT1 (1.6)
TM6SF2 (2.3)	GSTM5 (2.3)	GCKR (2.0)	SLC22A2 (1.9)	IZUMO1 (1.8)
TM6SF2 (2.3)	GSTM5 (2.3)	GCKR (2.0)	SLC22A2 (1.9)	IZUMO1 (1.8)
OBP2B (1.8)	GSTM4 (1.7)	GMIP (1.6)	ST3GAL4 (1.5)	MAFB (1.3)
KRTCAP3 (1.9)	FGF21 (1.8)	BMPR2 (1.7)	IGF2R (1.7)	OTX1 (1.6)
RAB3GAP1 (2.0)	R3HDM1 (2.0)	USP24 (1.9)	DOCK7 (1.7)	ENSG00000226645 (1
BCAM (2.2)	IGF2R (1.9)	PVR (1.5)	KANK2 (1.4)	OBP2B (1.4)
ABCG8 (2.9)	GSTM4 (2.7)	LPIN3 (2.5)	ENSG00000236267 (2	LPA (1.8)

TM6SF2 (1.9)	SLC44A2 (1.5)	RASIP1 (1.5)	HAPLN4 (1.4)	ENSG00000254235 (1
ZRANB3 (3.0)	PPM1G (1.6)	CEP250 (1.6)	ENSG00000236436 (1	FER1L4 (1.4)
NFE2L3 (2.4)	SUGP1 (2.3)	SUMO1 (2.1)	POC5 (1.9)	ENSG00000256731 (1
NFE2L3 (2.4)	SUGP1 (2.3)	SUMO1 (2.1)	POC5 (1.9)	ENSG00000256731 (1
SNX17 (2.4)	PPM1G (1.9)	SMARCA4 (1.8)	C19orf52 (1.8)	PSMA5 (1.8)
GNAI3 (2.1)	SNX17 (2.0)	GATAD2A (2.0)	TOP1 (1.9)	NUP93 (1.7)
SPATC1 (2.7)	ZNF821 (1.8)	PBX4 (1.7)	ENSG00000228044 (1	SUMO1 (1.3)
NYNRIN (1.9)	SLC44A2 (1.8)	PVR (1.7)	YIPF2 (1.7)	C11orf9 (1.7)
MCM6 (3.9)	POC5 (3.7)	USP1 (3.6)	NUP93 (2.5)	ATXN1L (1.5)
GPR61 (2.3)	ENSG00000231204 (1	SLC22A3 (1.8)	PMFBP1 (1.6)	DNAH11 (1.6)
GPR61 (2.3)	GNAI3 (2.3)	KPNB1 (2.1)	PPM1G (2.1)	CYP26A1 (2.1)
PLEC (2.1)	PVR (1.9)	GDF5 (1.8)	POLK (1.8)	BMPR2 (1.8)
IZUMO1 (2.6)	ENSG00000231204 (2	SPATC1 (1.9)	ENSG00000236267 (1	PBX4 (1.6)
GNAI3 (1.8)	DHX38 (1.6)	ATP13A1 (1.6)	SUGP1 (1.5)	TOP1 (1.3)
NUP93 (2.9)	POC5 (2.3)	POLK (2.1)	SUGP1 (1.9)	ZRANB3 (1.9)
CEP250 (2.3)	PGS1 (1.9)	TIMD4 (1.8)	RELB (1.8)	PBX4 (1.6)
ENSG00000236436 (2	FUT1 (2.6)	ENSG00000226622 (2	DOCK6 (2.0)	GSTM5 (1.9)
RAB3GAP1 (2.7)	IFT172 (2.7)	AMPD2 (2.4)	UBXN4 (2.2)	SARS (2.1)
TOMM40 (1.8)	ERGIC3 (1.8)	SMARCA4 (1.7)	CEP250 (1.6)	GATAD2A (1.5)
GMIP (2.3)	USP24 (2.2)	SORT1 (2.1)	POLK (1.9)	MAP3K4 (1.9)
TOMM40 (2.1)	ZNF259 (1.9)	NPEPPS (1.9)	SNX17 (1.9)	SARS (1.8)
EHBP1 (1.9)	ENSG00000244861 (1	USP24 (1.8)	GMIP (1.8)	NPEPPS (1.8)
C12orf43 (1.8)	SORT1 (1.7)	C19orf52 (1.5)	SNX17 (1.5)	ENSG00000254235 (1
FEN1 (3.0)	ZRANB3 (2.6)	MAP3K4 (2.5)	PBX4 (2.5)	MCM6 (2.4)
PBX4 (2.2)	LCT (2.2)	CYB561D1 (2.2)	RELB (2.1)	LPAR2 (2.0)
IGF2R (2.6)	BCAM (2.5)	PLCG1 (2.4)	PBX4 (2.3)	SMARCA4 (2.2)
ENSG00000226648 (1	SORT1 (1.6)	BMPR2 (1.6)	PLEC (1.5)	BCAM (1.4)
SORT1 (1.8)	GRINA (1.7)	IZUMO1 (1.7)	CILP2 (1.6)	EHBP1 (1.5)
APOA4 (2.1)	LCT (2.0)	ENSG00000231204 (1	FGF21 (1.8)	PCSK9 (1.8)
SLC22A3 (2.8)	HNF1A (1.9)	HAPLN4 (1.7)	CBLC (1.7)	ENSG00000228044 (1
GSTM4 (1.9)	SLC22A3 (1.7)	LPAR2 (1.7)	SNX17 (1.6)	ENSG00000226806 (1
ABCA5 (1.9)	NCAN (1.7)	LCT (1.6)	SLC22A3 (1.5)	MYLIP (1.5)
ABO (2.1)	AMPD2 (1.9)	NCAN (1.8)	C11orf9 (1.8)	PGS1 (1.8)
CYP26A1 (2.6)	SYPL2 (2.0)	DOCK6 (1.6)	SORT1 (1.6)	TM6SF2 (1.3)
RP1 (2.4)	ENSG00000236436 (2	OTX1 (1.8)	PVRL2 (1.7)	GSTM5 (1.6)
ENSG00000236267 (1	ENSG00000226645 (1	MYLIP (1.5)	ENSG00000235545 (1	CETP (1.3)
ENSG00000236267 (1	ENSG00000226645 (1	MYLIP (1.5)	ENSG00000235545 (1	CETP (1.3)
KANK2 (2.6)	CYB561D1 (2.0)	SORT1 (1.6)	PLEC (1.5)	SPATC1 (1.3)
R3HDM1 (1.9)	ENSG00000226645 (1	NUP93 (1.6)	ATP13A1 (1.6)	NFE2L3 (1.5)
TSSK6 (1.8)	GDF5 (1.7)	NPEPPS (1.6)	BMPR2 (1.6)	R3HDM1 (1.6)
POLK (1.9)	FGF21 (1.8)	PARP10 (1.6)	NFE2L3 (1.5)	YIPF2 (1.4)
CELSR2 (2.0)	GPR61 (2.0)	OTX1 (1.9)	HAPLN4 (1.9)	ENSG00000231204 (1
TBKBP1 (2.0)	C11orf9 (1.9)	HAVCR1 (1.9)	LPAR2 (1.8)	ENSG00000236267 (1
DHODH (3.2)	DARS (3.1)	ENSG00000236436 (2	C12orf43 (2.7)	UBXN4 (2.4)
FEN1 (2.2)	LPIN3 (2.1)	CEP250 (2.0)	DOCK7 (1.9)	IFT172 (1.9)
ZRANB3 (1.6)	POLK (1.5)	DOCK7 (1.4)	ENSG00000236267 (1	AMIGO1 (1.3)
GPAM (2.0)	R3HDM1 (1.7)	NCAN (1.7)	C19orf80 (1.7)	SORT1 (1.6)
LIPG (2.3)	TRAM2 (2.0)	ENSG00000226645 (1	ZNF513 (1.5)	FER1L4 (1.4)
ZRANB3 (4.2)	OASL (3.0)	CEP250 (2.9)	KPNB1 (2.1)	NUP93 (2.1)
CLPTM1 (2.6)	IGF2R (2.5)	TXNL4B (2.4)	RAB3GAP1 (2.3)	COL4A3BP (2.2)

ABCA5 (1.9)	IFT172 (1.9)	FNDC4 (1.9)	BMPR2 (1.8)	FGF21 (1.8)
CYB561D1 (2.0)	POLK (2.0)	AMIGO1 (1.9)	LPIN3 (1.8)	ZNF821 (1.6)
POC5 (2.4)	NFE2L3 (2.2)	SUGP1 (2.2)	ENSG00000256731 (2	SUMO1 (2.1)
DHODH (2.7)	ZNF259 (2.5)	C12orf43 (2.4)	SNX17 (2.2)	KPNB1 (2.0)
LPIN3 (2.7)	SUGP1 (2.5)	MCM6 (2.4)	ZRANB3 (1.6)	IFT172 (1.6)
TRAM2 (2.2)	ERGIC3 (2.1)	CYP26A1 (1.9)	PARP10 (1.7)	ATP13A1 (1.6)
GSTM5 (2.5)	TRIB1 (2.0)	PMFBP1 (1.8)	TBKBP1 (1.6)	ATXN7L2 (1.6)
PMFBP1 (1.9)	GSTM4 (1.9)	ENSG00000182329 (1	COL4A3BP (1.8)	FNDC4 (1.7)
TSSK6 (3.1)	SPATC1 (2.4)	ENSG00000182329 (1	ERGIC3 (1.8)	TM6SF2 (1.7)
TBKBP1 (2.9)	ZNF513 (2.9)	NYNRIN (2.7)	CELSR2 (2.5)	PVRL2 (2.4)
SLC22A2 (2.2)	PMFBP1 (2.0)	ENSG00000182329 (1	OBP2B (1.7)	TM6SF2 (1.6)
DHODH (2.6)	LPIN3 (2.3)	NUP93 (1.8)	LCT (1.8)	ENSG00000228044 (1
GATAD2A (3.2)	BUD13 (2.7)	USP1 (2.6)	PPM1G (2.5)	TOP1 (2.5)
RAB3GAP1 (2.0)	GATAD2A (2.0)	ABCA6 (1.7)	SUMO1 (1.6)	SNX17 (1.6)
ATXN7L2 (2.1)	C17orf57 (2.1)	ENSG00000236267 (1	MAMSTR (1.6)	LPAL2 (1.5)
PGS1 (1.9)	SLC22A3 (1.9)	IZUMO1 (1.7)	PARP10 (1.6)	CYB561D1 (1.5)
CELSR2 (1.7)	IGF2R (1.7)	TRAM2 (1.6)	FADS2 (1.6)	ABCA5 (1.6)
COL4A3BP (2.0)	ZNF513 (1.8)	UBXN4 (1.8)	IGF2R (1.8)	RASIP1 (1.8)
ZNF259 (2.4)	SMARCA4 (2.2)	TXNL4B (2.2)	MAU2 (2.1)	CLPTM1 (2.1)
CETP (1.7)	KANK2 (1.7)	FUT1 (1.7)	HNF1A (1.7)	LPIN3 (1.7)
IZUMO1 (2.4)	ENSG00000231204 (2	SPATC1 (1.8)	PBX4 (1.8)	ENSG00000236267 (1
GATAD2A (2.0)	NRBP1 (2.0)	SNX17 (1.9)	TBKBP1 (1.8)	PLCG1 (1.7)
OTX1 (2.3)	DOCK7 (2.2)	EHBP1 (1.8)	PLCG1 (1.8)	ATXN1L (1.8)
PMFBP1 (2.3)	TM6SF2 (2.1)	ABCG8 (1.8)	LPAL2 (1.7)	GNAT2 (1.6)
TM6SF2 (1.5)	LPL (1.4)	CETP (1.4)	FUT2 (1.2)	ENSG00000254235 (1
AMIGO1 (1.8)	ATP13A1 (1.6)	DNAH11 (1.5)	ENSG00000256731 (1	PCSK9 (1.4)
TRIM54 (2.1)	DHODH (2.0)	ABCG5 (1.8)	RASIP1 (1.8)	PVRL2 (1.8)
MCM6 (2.6)	USP1 (2.3)	ZRANB3 (2.2)	NUP93 (2.0)	PSRC1 (1.7)
BUD13 (2.2)	SUGP1 (2.0)	ENSG00000226645 (1	C19orf52 (1.8)	ZNF513 (1.8)
MAU2 (2.1)	RAB3GAP1 (2.0)	NPEPPS (1.9)	DHX38 (1.8)	C17orf57 (1.7)
C17orf57 (1.9)	TSSK6 (1.8)	ENSG00000228044 (1	OBP2B (1.8)	PMFBP1 (1.6)
ZHX3 (1.9)	SPATC1 (1.9)	ATXN1L (1.9)	MAU2 (1.8)	ENSG00000235545 (1
POLK (2.1)	ENSG00000226622 (2	SUGP1 (1.8)	PSRC1 (1.6)	KPNB1 (1.6)
AMIGO1 (1.8)	GNAI3 (1.8)	C11orf9 (1.7)	PCSK9 (1.7)	PVR (1.7)
GATAD2A (2.9)	CLPTM1 (2.7)	C17orf57 (2.5)	C19orf52 (2.2)	KPNB1 (1.7)
ZNF259 (2.7)	SLC22A3 (2.4)	SNX17 (2.3)	KPNB1 (2.1)	TOMM40 (2.0)
SLC44A2 (1.7)	PVR (1.7)	ENSG00000235545 (1	PVRL2 (1.6)	HAVCR1 (1.6)
TXNL4B (2.8)	GOT2P1 (2.8)	ATXN1L (2.6)	C11orf9 (2.1)	ENSG00000228044 (1
CBLC (2.1)	GATAD2A (2.1)	NPEPPS (2.1)	PBX4 (2.1)	DOCK6 (2.0)
GPR61 (2.2)	ABCG8 (2.1)	AMIGO1 (2.0)	ENSG00000226622 (1	APOE (1.8)
R3HDM1 (2.4)	ENSG00000182329 (2	OBP2B (2.1)	ENSG00000236267 (1	IZUMO1 (1.8)
SUGP1 (2.8)	PPM1G (2.8)	COL4A3BP (2.7)	BUD13 (2.6)	C19orf52 (2.4)
DOCK7 (2.1)	PLEC (2.1)	PLCG1 (1.9)	PVR (1.9)	KANK2 (1.8)
GMIP (2.4)	SMARCA4 (2.1)	TOP1 (2.0)	HAVCR1 (1.8)	CEP250 (1.7)
ABCA5 (2.0)	APOB (1.9)	UBXN4 (1.7)	ABCG5 (1.7)	YSK4 (1.6)
ATXN7L2 (1.8)	ENSG00000226648 (1	DHODH (1.6)	ZNF821 (1.5)	FGF21 (1.5)
ABCA6 (2.4)	CELSR2 (1.8)	FER1L4 (1.7)	RAB3GAP1 (1.7)	PSRC1 (1.6)
NYNRIN (1.9)	SLC22A2 (1.9)	MAMSTR (1.8)	PLCG1 (1.8)	ABCA5 (1.5)
ATXN1L (2.2)	MAP3K4 (2.2)	RASIP1 (2.1)	KANK2 (1.9)	PLCG1 (1.9)
ENSG00000254235 (2	OBP2B (1.9)	ENSG00000244861 (1	SLC44A2 (1.8)	CYB561D1 (1.8)

ENSG00000235545 (1	MYLIP (1.9)	TBKBP1 (1.9)	DNAH11 (1.7)	GDF5 (1.7)
GNAT2 (1.8)	LPAR2 (1.7)	ERGIC3 (1.7)	C17orf57 (1.7)	TRAM2 (1.5)
GMIP (2.7)	CETP (2.6)	ENSG00000226806 (1	MAFB (1.7)	POC5 (1.5)
PMFBP1 (1.8)	AMIGO1 (1.8)	SLC22A3 (1.7)	ENSG00000226622 (1	ABO (1.6)
ATXN1L (2.1)	KANK2 (1.8)	ERGIC3 (1.8)	GDF5 (1.7)	HNF1A (1.7)
ATXN1L (2.1)	KANK2 (1.8)	ERGIC3 (1.8)	GDF5 (1.7)	HNF1A (1.7)
NPEPPS (2.0)	R3HDM1 (1.9)	NCAN (1.8)	NFE2L3 (1.7)	GPR61 (1.6)
NRBP1 (2.4)	OASL (2.0)	NPEPPS (2.0)	FEN1 (2.0)	SUGP1 (1.9)
NYNRIN (2.2)	ATXN7L2 (2.0)	CARM1 (1.9)	BMPR2 (1.9)	DOCK7 (1.9)
R3HDM1 (2.0)	ZNF821 (2.0)	RAB3GAP1 (1.9)	FUT2 (1.8)	NRBP1 (1.7)
PBX4 (2.2)	SLC44A2 (1.8)	IGF2R (1.7)	COL4A3BP (1.3)	PLCG1 (1.3)
GMIP (2.2)	ABCA5 (1.9)	C17orf57 (1.8)	TRIB1 (1.7)	FER1L4 (1.6)
NRBP1 (2.4)	PVR (2.3)	BCAM (1.8)	RASIP1 (1.8)	GNAI3 (1.7)
NCAN (1.9)	LPL (1.8)	PBX4 (1.6)	POLK (1.6)	C19orf80 (1.6)
C19orf52 (2.5)	FEN1 (2.5)	BUD13 (2.4)	TOP1 (2.3)	GATAD2A (2.3)
ENSG00000254235 (2	GPR61 (2.2)	RP1 (1.7)	NPEPPS (1.7)	FER1L4 (1.6)
SUMO1 (2.1)	GNAI3 (1.9)	KPNB1 (1.8)	PPM1G (1.8)	ERGIC3 (1.7)
CLPTM1 (2.4)	ZHX3 (2.4)	NRBP1 (2.1)	POLK (2.0)	PGS1 (1.9)
BUD13 (2.5)	MCM6 (2.3)	PPM1G (2.2)	TOP1 (2.2)	DHX38 (2.1)
HAVCR1 (1.8)	OTX1 (1.8)	LCT (1.7)	ENSG00000226622 (1	SLC22A2 (1.5)
SARS (1.9)	SUMO1 (1.8)	GATAD2A (1.7)	NFE2L3 (1.7)	ZNF259 (1.6)
USP1 (2.5)	MCM6 (2.5)	PSRC1 (2.4)	FEN1 (2.3)	PPM1G (2.2)
SLC44A2 (1.7)	HAVCR1 (1.6)	IGF2R (1.5)	MAFB (1.5)	TIMD4 (1.4)
RELB (2.4)	TRIB1 (2.2)	ENSG00000228044 (2	SORT1 (1.9)	GATAD2A (1.7)
C19orf52 (1.9)	ATXN1L (1.9)	COL4A3BP (1.8)	TOP1 (1.6)	GPAM (1.4)
SMARCA4 (1.9)	C12orf43 (1.8)	DHX38 (1.8)	ZRANB3 (1.7)	SNX17 (1.5)
IZUMO1 (1.6)	ABCG8 (1.4)	PARP10 (1.2)	ENSG00000235545 (1	ABCG5 (1.2)
SLC22A3 (1.9)	ABCA5 (1.9)	FER1L4 (1.9)	LPL (1.7)	LPAL2 (1.7)
TOP1 (2.1)	DOCK6 (2.1)	TBKBP1 (2.0)	MAP3K4 (1.9)	RELB (1.7)
SLC22A3 (2.0)	PLCG1 (2.0)	CETP (1.7)	ENSG00000226806 (1	GMIP (1.7)
KPNB1 (1.8)	SUMO1 (1.7)	C12orf43 (1.7)	NFE2L3 (1.6)	SUGP1 (1.3)
ABCA1 (2.1)	CETP (2.0)	GRINA (1.8)	USP24 (1.8)	NCAN (1.6)
ABCA1 (2.1)	CETP (2.0)	GRINA (1.8)	USP24 (1.8)	NCAN (1.6)
IZUMO1 (1.7)	APOE (1.6)	MAFB (1.5)	HAVCR1 (1.4)	TIMD4 (1.4)
APOA4 (2.1)	OBP2B (2.1)	ABCG8 (1.9)	ABCG5 (1.7)	LPAL2 (1.6)
BUD13 (2.0)	GNAI3 (1.9)	SORT1 (1.8)	IST1 (1.8)	ZNF821 (1.8)
GPR61 (2.8)	HNF1A (2.3)	ENSG00000226622 (2	ENSG00000231204 (2	YSK4 (2.0)
RELB (1.8)	TRIB1 (1.7)	ENSG00000254235 (1	ABCA5 (1.4)	PMFBP1 (1.4)
POC5 (2.4)	CARM1 (2.2)	TXNL4B (2.1)	SUMO1 (1.9)	AMPD2 (1.9)
PCSK9 (1.9)	CELSR2 (1.8)	YIPF2 (1.8)	GRINA (1.8)	UBXN4 (1.6)
RASIP1 (2.5)	CELSR2 (2.3)	TBKBP1 (2.0)	PARP10 (1.9)	FGF21 (1.7)
ATP13A1 (2.2)	CELSR2 (2.1)	OTX1 (2.1)	HMGCR (1.9)	PCSK9 (1.9)
SUMO1 (2.5)	NFE2L3 (2.5)	SUGP1 (2.4)	ENSG00000256731 (2	POC5 (2.1)
ZRANB3 (4.4)	PSRC1 (2.2)	NUP93 (2.1)	POC5 (2.1)	ENSG00000226645 (1
R3HDM1 (2.3)	ENSG00000226806 (1	LCT (1.6)	IGF2R (1.6)	TRIB1 (1.5)
FADS1 (2.1)	NPEPPS (2.0)	KPNB1 (1.9)	TRAM2 (1.9)	SARS (1.8)
ENSG00000254235 (1	IZUMO1 (1.6)	IGF2R (1.5)	OBP2B (1.5)	PLCG1 (1.4)
COL4A3BP (1.9)	C19orf52 (1.9)	KRTCAP3 (1.8)	YIPF2 (1.8)	DOCK6 (1.5)
FNDC4 (1.8)	DHODH (1.7)	KRTCAP3 (1.6)	PMFBP1 (1.3)	HP (1.3)
GPAM (1.8)	ABCA6 (1.8)	GSTM4 (1.8)	OBP2B (1.7)	DHODH (1.7)

PPM1G (2.7)	GATAD2A (2.6)	KPNB1 (2.5)	NOP58 (2.4)	UBXN4 (2.4)
SPATC1 (1.8)	ENSG00000256731 (1	DNAH11 (1.2)	ENSG00000226645 (1	CETP (1.1)
NCAN (2.4)	PLEC (2.3)	TSSK6 (2.3)	PARP10 (2.1)	MAMSTR (2.1)
YSK4 (1.9)	GDF5 (1.9)	ENSG00000231204 (1	HAPLN4 (1.7)	NYNRIN (1.5)
FGF21 (2.7)	FUT1 (2.3)	ZNF821 (2.0)	MAFB (1.8)	ENSG00000244861 (1
ENSG00000254235 (1	ENSG00000235545 (1	PBX4 (1.5)	LPAL2 (1.5)	OBP2B (1.3)
DOCK6 (2.2)	SLC44A2 (2.1)	PMFBP1 (2.0)	IGF2R (2.0)	IST1 (1.7)
ENSG00000236267 (1	GNAI3 (1.6)	C19orf52 (1.6)	SLC22A3 (1.6)	DHX38 (1.6)
IGF2R (2.7)	POC5 (2.5)	R3HDM1 (2.3)	GSTM4 (2.1)	ENSG00000228044 (1
CLPTM1 (2.4)	PLEC (2.3)	ZNF513 (2.2)	PBX4 (2.1)	CELSR2 (2.0)
NOP58 (3.0)	FUT1 (2.9)	NUP93 (2.4)	UBXN4 (2.0)	SUGP1 (1.9)
GSTM5 (2.3)	KANK2 (2.2)	IFT172 (2.1)	SLC22A3 (2.0)	C19orf52 (1.9)
UBXN4 (1.6)	ZHX3 (1.6)	ATXN7L2 (1.4)	KRTCAP3 (1.4)	CEP250 (1.3)
FEN1 (3.3)	ZRANB3 (2.6)	USP1 (2.5)	PPM1G (2.0)	SMARCA4 (1.8)
CYB561D1 (1.8)	PSRC1 (1.8)	NCAN (1.7)	GRINA (1.7)	MAU2 (1.7)
POLK (1.8)	MAU2 (1.8)	COL4A3BP (1.7)	ENSG00000226645 (1	USP24 (1.6)
BCAM (1.9)	NYNRIN (1.8)	HAVCR1 (1.7)	GSTM5 (1.6)	ENSG00000236436 (1
POC5 (1.6)	HAPLN4 (1.6)	AMIGO1 (1.5)	PGS1 (1.4)	ST3GAL4 (1.4)
TRIB1 (1.8)	ENSG00000244861 (1	SUMO1 (1.6)	CELSR2 (1.6)	PGS1 (1.4)
GSTM5 (2.1)	ST3GAL4 (1.9)	AMPD2 (1.8)	ENSG00000226648 (1	ENSG00000244861 (1
ZNF821 (1.9)	PBX4 (1.8)	GDF5 (1.7)	LIPG (1.7)	OBP2B (1.7)
GATAD2A (2.2)	PGS1 (2.1)	CETP (2.0)	NRBP1 (1.9)	TOP1 (1.8)
BCAM (2.0)	PBX4 (1.9)	YSK4 (1.7)	SLC22A3 (1.7)	ABCA6 (1.7)
PLCG1 (2.4)	ENSG00000226806 (2	ENSG00000231204 (2	GDF5 (2.1)	YSK4 (2.1)
IZUMO1 (2.1)	GMIP (1.9)	ST3GAL4 (1.8)	ENSG00000226622 (1	SLC44A2 (1.5)
BMPR2 (1.9)	PMFBP1 (1.7)	ABCA5 (1.7)	MYLIP (1.6)	ST3GAL4 (1.6)
RELB (2.2)	RAB3GAP1 (1.8)	PLCG1 (1.8)	CETP (1.6)	NFE2L3 (1.5)
PBX4 (2.3)	LPAR2 (2.2)	ABO (2.2)	AMIGO1 (2.1)	LCT (2.1)
TSSK6 (2.0)	GNAT2 (1.9)	CEP250 (1.9)	DHX38 (1.9)	IST1 (1.9)
ENSG00000231204 (2	C19orf52 (1.8)	SUMO1 (1.8)	PSRC1 (1.7)	PGS1 (1.5)
GRINA (1.8)	SARS (1.8)	PLEC (1.8)	KPNB1 (1.7)	TIMD4 (1.6)
SPATC1 (1.9)	ENSG00000235545 (1	PBX4 (1.8)	ENSG00000236267 (1	OBP2B (1.7)
GSTM5 (2.6)	ST3GAL4 (2.5)	RASIP1 (2.4)	SLC22A2 (2.3)	TBKBP1 (1.7)
SNX17 (2.1)	KPNB1 (2.0)	FER1L4 (1.9)	USP24 (1.8)	ABCA1 (1.7)
NFE2L3 (2.4)	SUGP1 (2.3)	POC5 (1.9)	SUMO1 (1.8)	LPIN3 (1.7)
PMFBP1 (3.6)	OBP2B (2.9)	ABO (1.5)	LPIN3 (1.0)	YIPF2 (1.0)
ENSG00000256731 (2	SNX17 (2.0)	POC5 (2.0)	IZUMO1 (1.6)	HAVCR1 (1.6)
GDF5 (2.2)	CILP2 (2.0)	ATXN7L2 (1.8)	ENSG00000236436 (1	CYB561D1 (1.5)
PARP10 (1.8)	LPAL2 (1.7)	IZUMO1 (1.4)	POLK (1.3)	FGF21 (1.3)
ZNF821 (2.5)	HNF1A (2.4)	BCAM (2.2)	TSSK6 (2.1)	IZUMO1 (1.9)
TOP1 (2.4)	BUD13 (2.4)	SUMO1 (2.2)	TXNL4B (2.0)	ENSG00000226648 (2
PGS1 (1.9)	IZUMO1 (1.8)	ENSG00000254235 (1	MYLIP (1.6)	SPATC1 (1.4)
OTX1 (1.9)	TBKBP1 (1.8)	RP1 (1.7)	ENSG00000228044 (1	TRIB1 (1.7)
C12orf43 (2.6)	POC5 (2.6)	PPM1G (2.5)	SNX17 (2.2)	SUMO1 (2.0)
C12orf43 (2.6)	POC5 (2.6)	PPM1G (2.5)	SNX17 (2.2)	SUMO1 (2.0)
ZNF513 (2.4)	NOP58 (2.2)	ZNF259 (2.2)	ENSG00000226645 (2	C19orf52 (2.1)
IGF2R (2.5)	CYB561D1 (2.5)	R3HDM1 (1.9)	GDF5 (1.8)	C17orf57 (1.8)
ZNF513 (2.4)	C19orf52 (2.2)	DHX38 (1.6)	TOMM40 (1.6)	ERGIC3 (1.5)
ZRANB3 (3.7)	CEP250 (3.7)	NUP93 (2.3)	PSRC1 (1.8)	DHODH (1.7)
USP1 (2.0)	ZNF259 (1.8)	SNX17 (1.8)	DHODH (1.7)	UBXN4 (1.7)

SPATC1 (1.9)	CETP (1.9)	NFE2L3 (1.8)	IZUMO1 (1.5)	ZNF513 (1.4)
SORT1 (1.9)	YIPF2 (1.8)	TSSK6 (1.6)	LPAL2 (1.6)	ST3GAL4 (1.6)
FUT1 (2.5)	LDLR (2.1)	MAMSTR (1.8)	MYLIP (1.8)	CARM1 (1.8)
SNX17 (2.4)	NFE2L3 (2.3)	SUGP1 (2.0)	SUMO1 (1.9)	ENSG00000256731 (1
PSRC1 (2.5)	SNX17 (2.0)	USP1 (1.9)	NRBP1 (1.7)	NUP93 (1.6)
ENSG00000226645 (2	ERGIC3 (1.9)	POC5 (1.8)	ZNF513 (1.7)	BUD13 (1.7)
RP1 (2.0)	GOT2P1 (1.9)	GPR61 (1.8)	POLK (1.8)	POC5 (1.8)
PSMA5 (2.2)	ABCA6 (2.1)	C12orf43 (2.1)	OTX1 (1.9)	LIPG (1.7)
BCAM (2.1)	LPAR2 (2.1)	PVRL2 (2.0)	CELSR2 (1.9)	CYP26A1 (1.8)
BCAM (2.0)	TRIM54 (1.8)	ENSG00000236267 (1	ABCA6 (1.6)	ENSG00000226622 (1
ZRANB3 (3.0)	KPNB1 (1.9)	PPM1G (1.9)	AMIGO1 (1.8)	ABCA5 (1.8)
ABO (2.4)	LPIN3 (2.3)	ENSG00000231204 (2	KRTCAP3 (1.9)	TSSK6 (1.9)
COL4A3BP (2.3)	PLEC (2.1)	KANK2 (2.0)	EHBP1 (2.0)	CARM1 (1.9)
FADS2 (4.5)	ENSG00000244861 (3	PCSK9 (3.1)	SORT1 (2.7)	CYB561D1 (2.1)
ENSG00000228044 (1	ZNF821 (1.5)	ENSG00000231204 (1	TBKBP1 (1.5)	ATXN7L2 (1.4)
ZRANB3 (2.1)	KRTCAP3 (1.6)	ENSG00000226806 (1	ENSG00000182329 (1	C11orf9 (1.6)
SNX17 (2.2)	NOP58 (2.2)	GATAD2A (2.1)	GNAI3 (2.1)	SARS (1.9)
SLC44A2 (2.0)	SYPL2 (1.9)	FNDC4 (1.7)	GPAM (1.7)	MAMSTR (1.7)
GPR61 (2.0)	GNAI3 (1.9)	ZNF821 (1.7)	ENSG00000254235 (1	PMFBP1 (1.4)
SUMO1 (2.0)	SNX17 (1.7)	PPM1G (1.7)	KPNB1 (1.7)	GATAD2A (1.7)
POLK (2.1)	PMFBP1 (1.8)	IZUMO1 (1.7)	ENSG00000235545 (1	TIMD4 (1.6)
SARS (2.4)	SUMO1 (2.2)	KPNB1 (2.1)	TOMM40 (1.8)	HAVCR1 (1.7)
PGS1 (2.0)	COL4A3BP (1.9)	ENSG00000236436 (1	ENSG00000235545 (1	C12orf43 (1.5)
GRINA (1.9)	OASL (1.7)	AMIGO1 (1.6)	DOCK7 (1.5)	LPL (1.5)
TOMM40 (1.9)	ZNF513 (1.8)	CLPTM1 (1.8)	PVR (1.8)	USP24 (1.8)
MCM6 (2.3)	BUD13 (2.2)	SNX17 (2.0)	POC5 (2.0)	USP1 (2.0)
SPATC1 (2.0)	ENSG00000254235 (1	NFE2L3 (1.7)	LPAL2 (1.6)	FER1L4 (1.4)
ABO (1.9)	BMPR2 (1.8)	R3HDM1 (1.7)	COL4A3BP (1.7)	KANK2 (1.5)
NPEPPS (2.1)	CYB561D1 (2.0)	PPM1G (2.0)	GNAI3 (2.0)	BMPR2 (1.8)
FUT2 (2.0)	USP24 (2.0)	GMIP (1.9)	SORT1 (1.9)	RAB3GAP1 (1.8)
IZUMO1 (2.3)	ENSG00000244861 (2	OBP2B (2.2)	LIPG (2.1)	BCAM (2.1)
PBX4 (1.7)	GMIP (1.7)	ENSG00000256731 (1	SPATC1 (1.5)	ENSG00000226645 (1
FNDC4 (1.6)	DARS (1.5)	SUGP1 (1.5)	C12orf43 (1.3)	FGF21 (1.3)
ZRANB3 (4.0)	NUP93 (3.3)	CEP250 (2.3)	KPNB1 (2.1)	DARS (2.1)
AMIGO1 (2.1)	SNX17 (2.1)	GPR61 (1.7)	ZHX3 (1.7)	AMPD2 (1.7)
LPAR2 (1.8)	PGS1 (1.7)	LIPG (1.6)	SLC44A2 (1.5)	GATAD2A (1.4)
MCM6 (3.8)	POC5 (3.8)	ZRANB3 (3.6)	NUP93 (2.4)	KPNB1 (2.0)
MCM6 (3.8)	POC5 (3.8)	ZRANB3 (3.6)	NUP93 (2.0)	MAP3K4 (1.4)
SNX17 (2.3)	NFE2L3 (2.2)	ENSG00000256731 (2	SUMO1 (2.1)	SUGP1 (2.1)
ZRANB3 (4.4)	NUP93 (2.4)	KPNB1 (2.1)	DARS (2.1)	PSRC1 (1.8)
MYLIP (1.7)	KPNB1 (1.6)	GATAD2A (1.5)	DOCK6 (1.5)	SNX17 (1.5)
PLCG1 (2.2)	CYP26A1 (2.1)	ZNF821 (2.1)	MYLIP (1.8)	ENSG00000228044 (1
SPATC1 (2.0)	PCSK9 (2.0)	CYB561D1 (1.9)	NCAN (1.6)	OTX1 (1.5)
CLPTM1 (2.3)	ERGIC3 (2.1)	YIPF2 (2.1)	ZHX3 (1.9)	GRINA (1.5)
CLPTM1 (1.8)	ERGIC3 (1.7)	ENSG00000254235 (1	FUT2 (1.6)	APOE (1.6)
APOE (1.6)	HNF1A (1.6)	TIMD4 (1.6)	RASIP1 (1.6)	SPATC1 (1.5)
ABCA6 (2.4)	TIMD4 (2.3)	CETP (2.0)	NFE2L3 (1.8)	POLK (1.4)
FUT2 (1.9)	PGS1 (1.8)	DNAH11 (1.8)	HP (1.6)	CYP26A1 (1.6)
PMFBP1 (1.8)	BUD13 (1.6)	ENSG00000236267 (1	PBX4 (1.6)	ENSG00000254235 (1
IZUMO1 (3.0)	ENSG00000236267 (2	SLC44A2 (2.0)	GMIP (2.0)	CEP250 (2.0)

IST1 (2.3)	NUP93 (2.3)	DHODH (2.0)	ZNF821 (1.8)	USP1 (1.7)
CELSR2 (1.8)	YSK4 (1.6)	TRIM54 (1.6)	SLC22A3 (1.4)	ENSG00000236267 (1
FER1L4 (2.2)	ENSG00000226622 (1	PMFBP1 (1.4)	IZUMO1 (1.2)	LPAL2 (1.2)
DOCK7 (1.9)	ATXN7L2 (1.9)	R3HDM1 (1.7)	TOP1 (1.7)	SUMO1 (1.6)
ENSG00000226648 (1	ZRANB3 (1.7)	ENSG00000236267 (1	DARS (1.6)	PBX4 (1.6)
NRBP1 (2.2)	GNAI3 (2.1)	DOCK7 (1.9)	ENSG00000244861 (1	IGF2R (1.8)
DOCK6 (2.5)	BCAM (2.3)	GNAT2 (2.1)	SORT1 (1.7)	AMIGO1 (1.7)
ENSG00000235545 (1	ATXN7L2 (1.9)	LPAL2 (1.8)	GRINA (1.7)	SUMO1 (1.6)
MAU2 (2.4)	ZNF513 (2.2)	C12orf43 (2.1)	ENSG00000226645 (1	SUMO1 (1.7)
RAB3GAP1 (2.0)	ST3GAL4 (1.9)	IFT172 (1.6)	GPAM (1.6)	MAFB (1.4)
SPATC1 (2.0)	MYLIP (1.8)	DARS (1.6)	CARM1 (1.6)	EHBP1 (1.6)
DNAH11 (2.1)	ENSG00000182329 (1	ENSG00000244861 (1	SLC22A3 (1.5)	ENSG00000231204 (1
ENSG00000244861 (1	FUT1 (1.9)	DHODH (1.4)	ENSG00000231204 (1	ENSG00000236267 (1
MAFB (1.7)	FUT2 (1.6)	ZNF821 (1.5)	LPAL2 (1.4)	GDF5 (1.3)
OTX1 (1.9)	ENSG00000236436 (1	KANK2 (1.7)	C17orf57 (1.7)	ZHX3 (1.6)
KRTCAP3 (2.1)	RELB (2.0)	TIMD4 (1.8)	TXNL4B (1.8)	CILP2 (1.7)
PLCG1 (1.8)	C17orf57 (1.7)	CEP250 (1.7)	ENSG00000182329 (1	DOCK7 (1.4)
FADS1 (2.4)	LDLR (2.2)	ABCA5 (1.9)	DNAH11 (1.9)	LPA (1.8)
TSSK6 (1.9)	ENSG00000244861 (1	ENSG00000236436 (1	ZNF821 (1.6)	PMFBP1 (1.6)
SORT1 (1.7)	BCAM (1.7)	RASIP1 (1.6)	FER1L4 (1.6)	IST1 (1.4)
PVRL2 (2.0)	FUT1 (1.9)	YIPF2 (1.9)	IZUMO1 (1.8)	POLK (1.6)
OBP2B (2.7)	ENSG00000226622 (2	ENSG00000228044 (2	OTX1 (1.9)	ENSG00000235545 (1
IZUMO1 (2.0)	CARM1 (1.7)	COL4A3BP (1.6)	OTX1 (1.5)	PBX4 (1.4)
RELB (2.2)	ENSG00000228044 (2	GSTM4 (2.1)	OASL (1.9)	TRIB1 (1.8)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
C19orf52 (2.5)	SUMO1 (2.4)	KPNB1 (2.3)	ENSG00000231204 (2	MCM6 (2.2)
KANK2 (1.6)	MCM6 (1.6)	PARP10 (1.6)	POC5 (1.5)	COL4A3BP (1.3)
KRTCAP3 (3.0)	ENSG00000226622 (3	ERGIC3 (3.0)	CYB561D1 (2.8)	CBLC (2.5)
MCM6 (3.8)	POC5 (3.8)	USP1 (3.7)	NUP93 (2.1)	KPNB1 (1.4)
ERGIC3 (2.8)	FNDC4 (2.7)	OTX1 (2.4)	NYNRIN (2.3)	ENSG00000182329 (2
DOCK6 (2.0)	USP24 (1.9)	SORT1 (1.9)	BUD13 (1.9)	PVRL2 (1.8)
ZRANB3 (2.5)	ABCA6 (2.3)	NUP93 (2.2)	POC5 (1.8)	KPNB1 (1.6)
PSMA5 (2.6)	KPNB1 (2.5)	SNX17 (2.2)	PPM1G (2.1)	C12orf43 (2.1)
ENSG00000256731 (2	ATXN1L (2.1)	MAMSTR (2.0)	ZNF513 (1.9)	MAU2 (1.7)
BCAM (2.7)	OBP2B (2.4)	IZUMO1 (2.2)	ZNF821 (2.1)	LIPG (2.1)
ENSG00000226645 (2	FER1L4 (1.9)	C19orf52 (1.6)	IZUMO1 (1.5)	ENSG00000226648 (1
OASL (3.4)	ZRANB3 (2.4)	NUP93 (2.1)	PARP10 (1.9)	PPM1G (1.8)
GMIP (2.0)	SUMO1 (1.9)	CARM1 (1.8)	FADS2 (1.6)	POC5 (1.5)
NUP93 (2.9)	ZRANB3 (2.8)	DHX38 (2.8)	MCM6 (2.6)	FEN1 (2.6)
PARP10 (2.2)	RELB (1.9)	PVR (1.9)	OASL (1.9)	CYB561D1 (1.9)
NFE2L3 (1.8)	ABCA1 (1.6)	PGS1 (1.6)	UBXN4 (1.5)	ABCG8 (1.5)
OTX1 (2.2)	KRTCAP3 (2.0)	BCAM (2.0)	SLC44A2 (1.8)	CYB561D1 (1.7)
AMIGO1 (2.1)	ABO (2.1)	ENSG00000231204 (2	SLC44A2 (1.9)	OBP2B (1.8)

SPATC1 (1.9)	DNAH11 (1.9)	DHODH (1.8)	SYPL2 (1.7)	YSK4 (1.6)
AMIGO1 (2.1)	ABO (2.0)	ENSG00000182329 (1	LPAL2 (1.9)	GSTM5 (1.9)
MCM6 (2.0)	RASIP1 (1.8)	C12orf43 (1.8)	BUD13 (1.7)	NUP93 (1.7)
ENSG00000236267 (1	GATAD2A (1.3)	NOP58 (1.3)	MAMSTR (1.3)	SUMO1 (1.2)
DOCK6 (1.9)	NCAN (1.8)	EHBP1 (1.8)	POC5 (1.8)	ENSG00000226648 (1
TIMD4 (2.6)	PBX4 (2.4)	LPAR2 (2.0)	LIPG (1.5)	MAFB (1.4)
DARS (2.8)	RAB3GAP1 (2.8)	SUMO1 (2.7)	ZNF513 (2.5)	ATXN7L2 (2.3)
RASIP1 (1.9)	PCSK9 (1.8)	C19orf80 (1.7)	LPL (1.6)	SLC22A3 (1.5)
PVRL2 (1.5)	SORT1 (1.4)	C17orf57 (1.2)	HNF1A (1.1)	PLEC (1.1)
R3HDM1 (2.1)	AMIGO1 (1.8)	FUT1 (1.6)	TBKBP1 (1.6)	SLC22A1 (1.4)
NPEPPS (1.7)	CARM1 (1.6)	SNX17 (1.6)	GSTM4 (1.6)	NFE2L3 (1.6)
USP1 (3.8)	ZRANB3 (3.8)	POC5 (3.7)	NUP93 (2.0)	KPNB1 (1.5)
ENSG00000236267 (1	HNF1A (1.9)	PMFBP1 (1.8)	OASL (1.8)	ENSG00000226806 (1
PSMA5 (2.3)	ZNF259 (2.2)	C12orf43 (2.1)	TXNL4B (2.1)	SUMO1 (2.0)
MAU2 (2.1)	SUGP1 (2.0)	CARM1 (1.9)	KPNB1 (1.8)	IFT172 (1.8)
TIMD4 (2.0)	SLC22A3 (1.8)	CYB561D1 (1.7)	ZNF513 (1.7)	ENSG00000226806 (1
SPATC1 (1.9)	CETP (1.9)	NFE2L3 (1.7)	IZUMO1 (1.5)	FER1L4 (1.4)
DOCK7 (1.8)	DNAH11 (1.8)	GRINA (1.8)	NCAN (1.8)	ABCA1 (1.8)
YIPF2 (2.1)	ABCA1 (1.9)	DNAH11 (1.9)	ENSG00000228044 (1	GRINA (1.5)
AMPD2 (1.8)	POLK (1.8)	ENSG00000244861 (1	ATXN7L2 (1.8)	FGF21 (1.6)
APOE (1.7)	HNF1A (1.7)	TRIB1 (1.6)	TIMD4 (1.5)	SPATC1 (1.4)
ABCA1 (1.6)	ENSG00000236267 (1	ATP13A1 (1.3)	ERGIC3 (1.3)	GATAD2A (1.3)
R3HDM1 (2.8)	CARM1 (2.3)	ATXN7L2 (2.1)	NPEPPS (2.0)	MYLIP (2.0)
COL4A3BP (2.2)	GPAM (2.1)	CARM1 (2.0)	HAPLN4 (2.0)	C11orf9 (1.9)
COL4A3BP (2.2)	GPAM (2.1)	CARM1 (2.0)	HAPLN4 (2.0)	C11orf9 (1.9)
ENSG00000226648 (2	TRAM2 (2.0)	GMIP (1.9)	ZNF259 (1.7)	TOP1 (1.7)
DHODH (2.9)	TOMM40 (2.9)	SUGP1 (2.5)	C19orf52 (2.1)	DHX38 (2.0)
USP1 (3.4)	POC5 (3.4)	ZRANB3 (3.3)	NUP93 (2.0)	ENSG00000228044 (1
FEN1 (3.2)	SUMO1 (2.6)	RAB3GAP1 (2.3)	USP1 (2.2)	DARS (2.1)
CBLC (2.3)	LPIN3 (1.9)	FUT2 (1.6)	PMFBP1 (1.6)	CELSR2 (1.5)
FUT1 (1.6)	OASL (1.6)	CYP26A1 (1.5)	ENSG00000231204 (1	GMIP (1.3)
NPEPPS (2.1)	MAU2 (2.0)	ZNF821 (1.9)	SMARCA4 (1.9)	PPM1G (1.9)
C19orf52 (1.7)	DOCK7 (1.6)	CILP2 (1.5)	C11orf9 (1.4)	FADS1 (1.4)
IST1 (3.0)	NRBP1 (2.8)	GRINA (2.5)	YIPF2 (2.3)	IFT172 (2.3)
ENSG00000235545 (2	PBX4 (2.4)	PSRC1 (2.3)	TSSK6 (1.9)	IZUMO1 (1.8)
MYLIP (2.1)	FEN1 (1.8)	PPM1G (1.8)	NRBP1 (1.8)	PSMA5 (1.8)
ENSG00000231204 (1	DNAH11 (1.8)	ENSG00000182329 (1	ENSG00000236267 (1	ENSG00000235545 (1
GPR61 (2.1)	DNAH11 (1.7)	SLC22A3 (1.6)	ENSG00000231204 (1	ENSG00000235545 (1
PVRL2 (2.3)	HAPLN4 (2.3)	NCAN (1.9)	ABCA1 (1.9)	PLCG1 (1.7)
CETP (1.9)	SPATC1 (1.7)	NFE2L3 (1.7)	ZNF513 (1.4)	TBKBP1 (1.4)
GNAI3 (2.1)	PBX4 (2.0)	NYNRIN (1.9)	BUD13 (1.9)	POLK (1.8)
PMFBP1 (2.3)	YSK4 (2.0)	LPAL2 (1.9)	GOT2P1 (1.9)	ENSG00000226648 (1
GDF5 (2.3)	ENSG00000226645 (2	FNDC4 (1.8)	OTX1 (1.7)	HAPLN4 (1.5)
GDF5 (2.3)	ENSG00000226645 (2	FNDC4 (1.8)	OTX1 (1.7)	HAPLN4 (1.5)
SLC22A3 (2.3)	OBP2B (2.2)	ABO (2.2)	GPR61 (2.1)	COL4A3BP (2.0)
IFT172 (1.9)	ATP13A1 (1.9)	TOMM40 (1.4)	RAB3GAP1 (1.3)	GSTM4 (1.3)
RAB3GAP1 (1.5)	IFT172 (1.5)	SNX17 (1.5)	FUT2 (1.3)	TSSK6 (1.3)
DOCK7 (2.2)	COL4A3BP (2.1)	KANK2 (1.9)	SLC22A2 (1.8)	CELSR2 (1.8)
HNF4A (2.8)	LCT (2.7)	C11orf9 (2.7)	FUT2 (2.7)	COL4A3BP (1.7)
KANK2 (2.0)	LPIN3 (1.9)	PVR (1.7)	TRIM54 (1.7)	C17orf57 (1.6)

APOA4 (1.9)	FGF21 (1.8)	RASIP1 (1.7)	FUT2 (1.7)	GPR61 (1.6)
YIPF2 (2.0)	FUT2 (2.0)	ERGIC3 (1.8)	ENSG00000235545 (1	ABCA5 (1.6)
ENSG00000226648 (2	ENSG00000236436 (2	USP1 (2.3)	MCM6 (2.1)	TXNL4B (2.1)
ATXN7L2 (2.0)	GDF5 (1.8)	PLEC (1.7)	ENSG00000226645 (1	ENSG00000236267 (1
DARS (2.6)	AMPD2 (2.6)	SARS (2.2)	ENSG00000236436 (2	DHODH (2.2)
AMPD2 (2.4)	LPAR2 (2.3)	PSRC1 (2.1)	FUT1 (2.1)	USP24 (2.0)
GNAT2 (2.0)	ATXN1L (2.0)	AMIGO1 (1.9)	GRINA (1.9)	GSTM5 (1.8)
TRAM2 (1.4)	GSTM5 (1.3)	ENSG00000226806 (1	POC5 (1.2)	LPAR2 (1.1)
MAP3K4 (1.6)	POC5 (1.6)	ATXN7L2 (1.6)	DOCK7 (1.5)	TRIB1 (1.4)
SLC22A3 (2.1)	ZHX3 (2.1)	DOCK6 (1.8)	ABO (1.7)	C17orf57 (1.6)
HNF1A (2.7)	ENSG00000226622 (2	GPR61 (2.3)	ENSG00000231204 (2	SPATC1 (1.7)
SLC22A2 (1.9)	ENSG00000226648 (1	ZHX3 (1.8)	C17orf57 (1.7)	PCSK9 (1.6)
ZRANB3 (3.9)	NUP93 (2.5)	ENSG00000235545 (2	CEP250 (2.2)	KPNB1 (2.2)
DHODH (1.8)	FUT2 (1.6)	TRAM2 (1.5)	ERGIC3 (1.4)	TXNL4B (1.4)
ENSG00000226645 (1	SPATC1 (1.8)	NFE2L3 (1.8)	FER1L4 (1.5)	ENSG00000235545 (1
SORT1 (2.1)	CLPTM1 (1.8)	GSTM5 (1.7)	LPL (1.7)	CARM1 (1.7)
ATXN7L2 (2.4)	KANK2 (2.1)	IGF2R (1.8)	OBP2B (1.6)	SLC44A2 (1.5)
RASIP1 (2.1)	ENSG00000231204 (1	TRAM2 (1.7)	ERGIC3 (1.5)	EHBP1 (1.5)
TRAM2 (2.1)	BMPR2 (1.7)	POC5 (1.7)	AMIGO1 (1.7)	ERGIC3 (1.7)
FUT1 (1.7)	ATXN7L2 (1.7)	SORT1 (1.5)	PCSK9 (1.4)	RELB (1.4)
NUP93 (2.1)	USP1 (2.1)	PPM1G (2.0)	BUD13 (1.9)	TOP1 (1.9)
NFE2L3 (2.4)	SUGP1 (2.2)	POC5 (2.1)	ENSG00000226622 (1	LPIN3 (1.8)
C17orf57 (1.6)	UBXN4 (1.6)	LCT (1.6)	KPNB1 (1.5)	GNAI3 (1.4)
TOP1 (2.3)	NPEPPS (2.3)	R3HDM1 (2.3)	GATAD2A (2.1)	MAP3K4 (1.8)
TOP1 (1.7)	OTX1 (1.5)	CEP250 (1.5)	ATXN1L (1.5)	SMARCA4 (1.4)
TOP1 (1.7)	OTX1 (1.5)	CEP250 (1.5)	ATXN1L (1.5)	SMARCA4 (1.4)
CILP2 (2.2)	CYP26A1 (1.9)	MYLIP (1.7)	ENSG00000244861 (1	PLCG1 (1.6)
CILP2 (2.2)	CYP26A1 (1.9)	MYLIP (1.7)	ENSG00000244861 (1	PLCG1 (1.6)
TM6SF2 (2.3)	OBP2B (2.0)	PCSK9 (1.8)	BCAM (1.8)	TSSK6 (1.8)
FEN1 (2.4)	MCM6 (2.0)	SUGP1 (1.8)	IFT172 (1.8)	LPAR2 (1.8)
PPM1G (2.4)	ZNF259 (2.3)	TOMM40 (2.2)	CARM1 (2.1)	TOP1 (2.0)
PPM1G (2.4)	ZNF259 (2.3)	TOMM40 (2.2)	CARM1 (2.1)	TOP1 (2.0)
GPAM (2.2)	HAPLN4 (2.2)	NRBP1 (2.2)	CARM1 (2.1)	SARS (2.0)
NCAN (2.1)	ATP13A1 (1.8)	NYNRIN (1.8)	AMPD2 (1.8)	ZHX3 (1.7)
COL4A3BP (1.8)	GOT2P1 (1.8)	IZUMO1 (1.5)	POLK (1.4)	ENSG00000244861 (1
KRTCAP3 (2.2)	BCAM (2.2)	PVRL2 (1.9)	GPR61 (1.8)	CBLC (1.8)
MAP3K4 (2.2)	BCAM (2.0)	BMPR2 (1.8)	HNF4A (1.6)	ABCA5 (1.5)
TRIM54 (2.1)	ERGIC3 (1.8)	KANK2 (1.8)	GDF5 (1.8)	ENSG00000226622 (1
C11orf9 (1.9)	PVRL2 (1.7)	DOCK7 (1.6)	BCAM (1.6)	NYNRIN (1.5)
ST3GAL4 (1.8)	GNAI3 (1.7)	MAP3K4 (1.7)	PVRL2 (1.5)	PPM1G (1.5)
NYNRIN (1.8)	ENSG00000228044 (1	ENSG00000236436 (1	BCAM (1.5)	ENSG00000231204 (1
RAB3GAP1 (2.1)	AMPD2 (1.9)	CBLC (1.8)	HAVCR1 (1.7)	ENSG00000226806 (1
SARS (2.3)	MAP3K4 (2.3)	PGS1 (2.2)	ZNF259 (2.1)	ZNF821 (2.0)
GRINA (2.3)	ENSG00000244861 (2	COL4A3BP (1.8)	ATP13A1 (1.7)	ABCA5 (1.7)
LPIN3 (1.9)	SLC44A2 (1.9)	PBX4 (1.8)	PVRL2 (1.8)	CARM1 (1.5)
ZRANB3 (3.5)	MCM6 (3.5)	USP1 (3.4)	NUP93 (1.5)	ZNF821 (1.4)
POC5 (2.3)	SUGP1 (1.8)	USP1 (1.6)	IFT172 (1.6)	NPEPPS (1.5)
POLK (1.5)	HAVCR1 (1.4)	APOE (1.4)	SORT1 (1.3)	MAMSTR (1.2)
MCM6 (2.6)	ZRANB3 (2.3)	POC5 (2.2)	NUP93 (2.2)	PBX4 (1.9)
ABCA1 (2.7)	ZNF821 (2.4)	COL4A3BP (2.3)	ZHX3 (2.2)	DOCK7 (2.2)

FNDC4 (2.0)	ATXN7L2 (2.0)	C11orf9 (1.9)	BMPR2 (1.8)	PBX4 (1.8)
FUT2 (2.0)	GDF5 (1.7)	SORT1 (1.7)	LIPG (1.6)	OTX1 (1.6)
GMIP (2.5)	MCM6 (1.7)	PBX4 (1.7)	IGF2R (1.7)	MAFB (1.6)
SARS (1.9)	ENSG00000226648 (1	PPM1G (1.8)	C12orf43 (1.7)	TRIM54 (1.6)
MAFB (2.1)	GSTM5 (2.0)	POLK (2.0)	ZNF821 (2.0)	SNX17 (1.7)
TXNL4B (2.6)	NUP93 (2.4)	C17orf57 (2.4)	C12orf43 (2.1)	SUGP1 (2.1)
ENSG00000228044 (2	ENSG00000226806 (2	GSTM5 (2.0)	KRTCAP3 (1.8)	TRAM2 (1.8)
IGF2R (2.1)	DOCK7 (2.0)	ZNF821 (1.9)	BMPR2 (1.9)	TBKBP1 (1.8)
PLCG1 (1.9)	ENSG00000235545 (1	ENSG00000226645 (1	ZNF821 (1.5)	GPAM (1.5)
PMFBP1 (2.1)	GSTM5 (2.0)	YSK4 (1.9)	AMIGO1 (1.9)	OBP2B (1.9)
SPATC1 (2.2)	NPEPPS (2.2)	LPAR2 (2.1)	MAP3K4 (2.1)	SUMO1 (1.9)
ENSG00000236267 (1	HAPLN4 (1.7)	COL4A3BP (1.7)	PBX4 (1.4)	CETP (1.4)
SUGP1 (2.2)	C17orf57 (2.1)	SUMO1 (2.1)	MYLIP (2.0)	GNAI3 (1.7)
MYLIP (1.8)	ENSG00000236436 (1	TSSK6 (1.5)	NCAN (1.3)	SLC22A2 (1.3)
GNAI3 (2.0)	FUT2 (2.0)	OTX1 (1.9)	FNDC4 (1.8)	CYB561D1 (1.7)
GNAI3 (2.0)	FUT2 (2.0)	OTX1 (1.9)	FNDC4 (1.8)	CYB561D1 (1.7)
USP1 (3.0)	DHX38 (2.6)	SUGP1 (2.5)	NPEPPS (2.5)	NOP58 (2.4)
GPR61 (1.9)	POLK (1.9)	ENSG00000231204 (1	GOT2P1 (1.7)	IGF2R (1.5)
UBXN4 (2.0)	NOP58 (2.0)	SNX17 (1.9)	PPM1G (1.9)	C19orf52 (1.9)
APOB (2.1)	EHBP1 (2.0)	ENSG00000226806 (1	BCAM (1.9)	MYLIP (1.8)
ENSG00000226806 (2	PSRC1 (1.9)	C19orf52 (1.7)	ENSG00000236436 (1	ABO (1.5)
ENSG00000226622 (2	NYNRIN (2.1)	ABCA5 (1.7)	MAFB (1.7)	ENSG00000256731 (1
ABCA5 (2.4)	RASIP1 (2.4)	MAMSTR (2.3)	GCKR (1.9)	FER1L4 (1.7)
NPEPPS (2.2)	BMPR2 (2.2)	AMPD2 (2.1)	ENSG00000182329 (2	R3HDM1 (2.0)
FUT1 (1.6)	ABCA6 (1.6)	ZHX3 (1.6)	ENSG00000236267 (1	TBKBP1 (1.5)
C19orf52 (2.0)	AMPD2 (2.0)	PLCG1 (1.9)	IST1 (1.8)	KANK2 (1.8)
SNX17 (3.3)	RAB3GAP1 (2.8)	ERGIC3 (2.7)	UBXN4 (2.6)	CLPTM1 (2.3)
MCM6 (2.8)	FEN1 (2.6)	ENSG00000228044 (2	TXNL4B (2.2)	BUD13 (1.8)
ABO (2.4)	ENSG00000182329 (2	LPAL2 (2.2)	TBKBP1 (1.9)	TSSK6 (1.9)
RAB3GAP1 (2.1)	PVR (2.0)	NRBP1 (1.9)	SNX17 (1.9)	FUT1 (1.8)
BCAM (1.5)	PVRL2 (1.4)	FADS1 (1.4)	APOE (1.2)	RASIP1 (1.1)
ERGIC3 (2.7)	LPIN3 (2.2)	KRTCAP3 (2.0)	GSTM4 (1.9)	YSK4 (1.8)
ERGIC3 (2.7)	LPIN3 (2.2)	KRTCAP3 (2.0)	GSTM4 (1.9)	YSK4 (1.8)
ENSG00000236267 (2	SMARCA4 (2.3)	GMIP (2.1)	LCT (2.1)	CEP250 (1.8)
ZNF513 (2.1)	LPAR2 (2.0)	NCAN (1.6)	PVRL2 (1.5)	TSSK6 (1.5)
ATP13A1 (2.2)	ENSG00000235545 (2	PSRC1 (2.2)	MAU2 (2.0)	POLK (2.0)
RAB3GAP1 (2.0)	SUGP1 (1.9)	KPNB1 (1.7)	C19orf52 (1.7)	NRBP1 (1.7)
OTX1 (2.6)	ATXN7L2 (2.4)	ENSG00000231204 (2	DNAH11 (2.1)	TSSK6 (2.0)
HAPLN4 (2.2)	ABO (2.2)	COL4A3BP (1.8)	GPAM (1.3)	LCT (1.3)
HAPLN4 (2.2)	ABO (2.2)	COL4A3BP (1.8)	GPAM (1.3)	LCT (1.3)
TRIB1 (2.1)	PPM1G (2.0)	UBXN4 (2.0)	C12orf43 (1.9)	NOP58 (1.8)
BUD13 (2.0)	ZHX3 (1.9)	C12orf43 (1.9)	ATXN7L2 (1.9)	SARS (1.8)
HP (2.0)	AMIGO1 (1.8)	MAU2 (1.8)	SNX17 (1.7)	GRINA (1.5)
DARS (2.1)	FGF21 (2.0)	NUP93 (2.0)	PSMA5 (1.8)	KPNB1 (1.8)
USP24 (2.4)	SMARCA4 (2.0)	PPM1G (2.0)	USP1 (1.9)	IFT172 (1.7)
IGF2R (2.3)	PLEC (2.2)	USP24 (2.1)	ENSG00000256731 (2	ENSG00000182329 (2
ABO (2.0)	SLC44A2 (1.8)	CARM1 (1.7)	ATXN7L2 (1.6)	PMFBP1 (1.6)
ENSG00000236436 (2	ENSG00000256731 (1	IZUMO1 (1.8)	LPAL2 (1.7)	SPATC1 (1.6)
ZNF821 (1.8)	ENSG00000244861 (1	CEP250 (1.6)	PMFBP1 (1.5)	ZNF513 (1.4)
MAU2 (2.5)	CYB561D1 (2.4)	NFE2L3 (2.0)	SPATC1 (1.7)	POLK (1.6)

USP1 (3.6)	CEP250 (3.0)	POC5 (2.9)	NUP93 (2.8)	POLK (2.2)
TOMM40 (2.8)	DHODH (2.8)	SUGP1 (2.5)	DHX38 (2.1)	POC5 (2.1)
ZNF513 (1.9)	BCAM (1.9)	SUMO1 (1.8)	DOCK7 (1.7)	POLK (1.7)
HNF1A (2.3)	HAPLN4 (2.2)	COL4A3BP (1.8)	ENSG00000254235 (1	OTX1 (1.4)
LIPG (2.2)	POC5 (2.1)	MAP3K4 (2.0)	AMPD2 (1.9)	OASL (1.9)
LPL (1.5)	LPIN3 (1.1)	LPAL2 (1.1)	HNF1A (1.1)	TIMD4 (1.1)
BMPR2 (2.0)	MAP3K4 (1.9)	ZNF821 (1.7)	IST1 (1.6)	NYNRIN (1.6)
SORT1 (2.4)	ABCA5 (2.3)	SLC44A2 (2.2)	HAPLN4 (2.2)	ATP13A1 (2.1)
C19orf52 (2.0)	ATXN7L2 (1.9)	MAU2 (1.8)	BUD13 (1.7)	DARS (1.5)
ENSG00000256731 (1	AMPD2 (1.7)	FUT1 (1.6)	ST3GAL4 (1.6)	C11orf9 (1.5)
CEP250 (3.0)	USP1 (2.9)	POLK (2.5)	NUP93 (2.0)	KPNB1 (1.9)
ZHX3 (2.7)	ATXN1L (2.2)	ZNF513 (2.2)	CYB561D1 (1.9)	ENSG00000244861 (1
PLEC (1.3)	PVRL2 (1.1)	FGF21 (1.0)	KANK2 (1.0)	PVR (0.9)
PPM1G (2.4)	NOP58 (2.4)	TOMM40 (2.2)	CARM1 (2.1)	TOP1 (2.0)
IST1 (2.6)	NPEPPS (2.5)	FUT1 (2.1)	POC5 (2.0)	RAB3GAP1 (1.9)
TXNL4B (2.7)	ZNF259 (2.7)	ATXN7L2 (2.5)	POC5 (2.1)	AMPD2 (2.0)
LPAR2 (2.4)	FUT1 (2.3)	GMIP (2.3)	BUD13 (2.0)	AMPD2 (1.9)
CYB561D1 (2.1)	TRAM2 (2.0)	CLPTM1 (1.9)	ENSG00000235545 (1	PMFBP1 (1.7)
ZNF513 (1.9)	ENSG00000254235 (1	IFT172 (1.6)	LPAL2 (1.5)	OASL (1.5)
IZUMO1 (3.3)	ENSG00000228044 (1	PBX4 (1.5)	ENSG00000226622 (1	OBP2B (1.2)
IZUMO1 (3.3)	ENSG00000228044 (1	PBX4 (1.5)	ENSG00000226622 (1	OBP2B (1.2)
SMARCA4 (2.2)	TXNL4B (1.9)	USP1 (1.9)	SUMO1 (1.7)	DHX38 (1.6)
ATP13A1 (1.8)	C19orf52 (1.8)	KPNB1 (1.7)	PPM1G (1.7)	GATAD2A (1.7)
SLC22A3 (1.4)	LPAL2 (1.3)	ST3GAL4 (1.3)	GNAT2 (1.2)	MAMSTR (1.2)
IZUMO1 (2.0)	ABCA6 (1.9)	C17orf57 (1.7)	ZNF513 (1.6)	ENSG00000226645 (1
USP1 (3.3)	KPNB1 (2.5)	POLK (2.3)	CEP250 (2.1)	NOP58 (1.8)
HAPLN4 (2.0)	CELSR2 (1.9)	GOT2P1 (1.9)	ABCA6 (1.9)	ABCA5 (1.7)
NPEPPS (2.3)	ABCA5 (2.3)	SUGP1 (2.3)	ENSG00000235545 (2	NRBP1 (2.0)
ST3GAL4 (2.0)	SLC22A3 (1.9)	TIMD4 (1.9)	PMFBP1 (1.9)	ABCA6 (1.7)
ST3GAL4 (2.0)	SLC22A3 (1.9)	TIMD4 (1.9)	PMFBP1 (1.9)	ABCA6 (1.7)
MAMSTR (2.5)	AMIGO1 (2.4)	ENSG00000236267 (2	DNAH11 (2.0)	SPATC1 (1.9)
ENSG00000236267 (1	GOT2P1 (1.3)	BUD13 (1.3)	SPATC1 (1.3)	CARM1 (1.3)
ATXN7L2 (2.5)	BUD13 (2.3)	ZNF513 (2.2)	NPEPPS (2.1)	CARM1 (2.0)
SUMO1 (2.1)	FEN1 (1.8)	PSRC1 (1.7)	DNAH11 (1.7)	BUD13 (1.6)
DHX38 (2.9)	ZNF259 (2.7)	SUMO1 (2.5)	ST3GAL4 (2.3)	ATXN1L (2.3)
ZNF821 (2.0)	CYP26A1 (1.9)	KANK2 (1.8)	EHBP1 (1.4)	ENSG00000254235 (1
MCM6 (2.5)	USP1 (2.4)	PSRC1 (2.4)	FEN1 (2.4)	PPM1G (2.2)
LPAR2 (2.2)	BUD13 (1.9)	ZNF821 (1.7)	FUT1 (1.7)	PGS1 (1.7)
USP1 (3.7)	KPNB1 (3.1)	CEP250 (3.0)	AMIGO1 (2.4)	POLK (2.3)
USP1 (3.7)	KPNB1 (3.1)	CEP250 (3.0)	AMIGO1 (2.4)	POLK (2.3)
MCM6 (3.7)	ZRANB3 (3.3)	USP1 (3.2)	NUP93 (2.3)	MAP3K4 (1.3)
COL4A3BP (2.5)	SLC44A2 (2.4)	LPIN3 (2.1)	ENSG00000226622 (1	ZHX3 (1.9)
POLK (2.5)	SUGP1 (2.5)	BUD13 (2.5)	DARS (2.3)	TOMM40 (2.2)
ENSG00000236436 (2	TSSK6 (2.1)	BCAM (2.0)	ABO (1.8)	SLC22A2 (1.7)
ENSG00000226622 (2	YSK4 (2.0)	LPAR2 (1.9)	ANGPTL3 (1.8)	ATP13A1 (1.7)
TRIM54 (2.1)	LPIN3 (2.0)	CELSR2 (2.0)	ENSG00000182329 (1	ABCA5 (1.7)
PMFBP1 (2.6)	DNAH11 (2.2)	OBP2B (2.1)	ENSG00000226622 (2	ENSG00000235545 (1
SARS (1.9)	C12orf43 (1.7)	SNX17 (1.7)	C19orf52 (1.6)	PPM1G (1.6)
EHBP1 (1.9)	GDF5 (1.9)	PMFBP1 (1.7)	NCAN (1.7)	LPAR2 (1.5)
LPIN3 (2.1)	GRINA (2.0)	HAVCR1 (1.9)	AMPD2 (1.7)	ENSG00000226622 (1

GSTM4 (2.4)	HMGCR (2.4)	FADS1 (2.2)	FADS2 (2.2)	TXNL4B (1.9)
OTX1 (2.5)	CELSR2 (2.2)	NCAN (2.2)	PSRC1 (2.1)	IZUMO1 (2.1)
MAP3K4 (2.7)	FEN1 (2.6)	IFT172 (2.6)	ZRANB3 (2.5)	PBX4 (2.4)
R3HDM1 (2.4)	ZNF821 (2.4)	TBKBP1 (2.3)	IGF2R (2.0)	HNF1A (2.0)
R3HDM1 (2.4)	ZNF821 (2.4)	TBKBP1 (2.3)	IGF2R (2.0)	HNF1A (2.0)
ZRANB3 (4.0)	NUP93 (2.1)	POC5 (1.8)	CEP250 (1.4)	PSRC1 (1.3)
LPIN3 (2.0)	NFE2L3 (1.9)	ENSG00000226622 (1	GDF5 (1.5)	ENSG00000235545 (1
C12orf43 (2.2)	ST3GAL4 (2.2)	ENSG00000256731 (2	GRINA (1.9)	ENSG00000226622 (1
KRTCAP3 (1.9)	PGS1 (1.7)	ENSG00000236267 (1	DNAH11 (1.7)	GOT2P1 (1.4)
SLC22A3 (2.3)	FADS2 (2.0)	ENSG00000226806 (1	PVRL2 (1.7)	CYP26A1 (1.7)
DOCK6 (2.2)	SORT1 (2.0)	APOA4 (2.0)	ZHX3 (1.8)	ATP13A1 (1.8)
ZRANB3 (3.5)	MCM6 (3.5)	USP1 (3.4)	NUP93 (1.7)	KPNB1 (1.4)
FER1L4 (0.8)	FADS1 (0.7)	PLEC (0.6)	FUT1 (0.6)	YSK4 (0.6)
MYLIP (2.1)	PBX4 (1.9)	C12orf43 (1.9)	NFE2L3 (1.7)	C17orf57 (1.6)
OTX1 (2.5)	TRAM2 (2.2)	RASIP1 (2.1)	C12orf43 (1.9)	PSRC1 (1.8)
GMIP (2.2)	SLC44A2 (2.1)	COL4A3BP (2.0)	ENSG00000226806 (1	NFE2L3 (1.5)
OTX1 (1.6)	LPAL2 (1.5)	ABO (1.5)	GOT2P1 (1.5)	ENSG00000231204 (1
POLK (1.9)	ZHX3 (1.9)	SORT1 (1.9)	SLC44A2 (1.6)	C12orf43 (1.6)
ABO (1.8)	OTX1 (1.7)	BMPR2 (1.7)	FNDC4 (1.7)	LIPG (1.6)
SLC22A3 (3.3)	FGF21 (2.6)	ENSG00000256731 (2	TIMD4 (2.3)	FER1L4 (2.3)
RASIP1 (2.1)	TBKBP1 (2.1)	BCAM (2.0)	GPR61 (2.0)	TRAM2 (1.8)
RP1 (3.0)	LCT (2.7)	ABCG8 (1.9)	GSTM4 (1.7)	ABCG5 (1.7)
SPATC1 (1.9)	DNAH11 (1.7)	PGS1 (1.6)	GMIP (1.5)	COL4A3BP (1.4)
DOCK6 (1.6)	CILP2 (1.4)	KRTCAP3 (1.4)	LPL (1.2)	RASIP1 (1.1)
KANK2 (3.2)	SORT1 (2.7)	PLEC (2.6)	GPR61 (1.9)	BCAM (1.9)
ZRANB3 (3.4)	ZHX3 (2.4)	NUP93 (2.1)	FADS2 (1.9)	CEP250 (1.8)
IZUMO1 (1.9)	OASL (1.6)	TIMD4 (1.6)	IFT172 (1.5)	ENSG00000254235 (1
NPEPPS (2.0)	TBKBP1 (1.9)	IZUMO1 (1.8)	NCAN (1.7)	R3HDM1 (1.5)
GPR61 (1.7)	GNAI3 (1.6)	ZNF821 (1.5)	ENSG00000254235 (1	GMIP (1.2)
CYP26A1 (2.5)	GDF5 (2.4)	TRAM2 (2.2)	KRTCAP3 (2.1)	SPATC1 (2.0)
SLC44A2 (2.4)	COL4A3BP (2.3)	LPIN3 (2.1)	ENSG00000231204 (1	ENSG00000226622 (1
MYLIP (1.9)	BMPR2 (1.8)	ST3GAL4 (1.7)	ENSG00000254235 (1	CYP26A1 (1.7)
RELB (1.9)	RASIP1 (1.9)	MYLIP (1.9)	KANK2 (1.8)	TBKBP1 (1.6)
AMIGO1 (1.8)	SLC22A3 (1.7)	SPATC1 (1.7)	GPR61 (1.6)	GNAT2 (1.5)
USP1 (1.8)	MAP3K4 (1.8)	TOP1 (1.8)	KPNB1 (1.8)	CARM1 (1.7)
USP1 (1.8)	MAP3K4 (1.8)	TOP1 (1.8)	KPNB1 (1.8)	CARM1 (1.7)
USP1 (1.8)	MAP3K4 (1.8)	TOP1 (1.8)	KPNB1 (1.8)	CARM1 (1.7)
USP1 (1.8)	MAP3K4 (1.8)	TOP1 (1.8)	KPNB1 (1.8)	CARM1 (1.7)
USP1 (1.8)	MAP3K4 (1.8)	TOP1 (1.8)	KPNB1 (1.8)	CARM1 (1.7)
ZNF513 (2.6)	GMIP (2.6)	MAP3K4 (2.4)	SLC22A1 (2.1)	CETP (2.0)
CEP250 (2.4)	LCT (1.7)	UBXN4 (1.4)	YSK4 (1.4)	SUMO1 (1.4)
C17orf57 (1.9)	ENSG00000231204 (1	LPAR2 (1.7)	MYLIP (1.7)	ENSG00000235545 (1
FNDC4 (2.4)	PARP10 (2.1)	OBP2B (1.8)	IFT172 (1.7)	DNAH11 (1.6)
PBX4 (1.9)	LPAR2 (1.7)	OBP2B (1.6)	ENSG00000254235 (1	ENSG00000244861 (1
SLC44A2 (1.9)	MAP3K4 (1.7)	MYLIP (1.7)	TRIB1 (1.6)	FADS2 (1.5)
CELSR2 (2.3)	MAU2 (2.2)	POC5 (2.1)	IZUMO1 (2.0)	SARS (1.9)
ZRANB3 (3.2)	ENSG00000235545 (2	ABCA5 (2.2)	NUP93 (1.8)	KPNB1 (1.7)
ZRANB3 (3.2)	ENSG00000235545 (2	ABCA5 (2.2)	NUP93 (1.8)	KPNB1 (1.7)
USP24 (2.5)	ENSG00000226648 (2	ENSG00000235545 (2	CYB561D1 (1.7)	GOT2P1 (1.5)
ZRANB3 (2.4)	MCM6 (2.2)	CEP250 (2.1)	KPNB1 (2.0)	ENSG00000228044 (2

DARS (1.9)	PPM1G (1.9)	ENSG00000244861 (1	TXNL4B (1.8)	NOP58 (1.8)
ENSG00000226622 (2	SPATC1 (1.9)	ENSG00000226645 (1	GDF5 (1.7)	TBKBP1 (1.5)
MCM6 (3.6)	USP1 (3.6)	POC5 (3.6)	NUP93 (2.0)	KPNB1 (1.4)
TOP1 (1.8)	C19orf52 (1.8)	FEN1 (1.6)	NUP93 (1.4)	KANK2 (1.3)
USP1 (2.3)	PLCG1 (2.3)	IGF2R (2.2)	SNX17 (2.1)	ERGIC3 (2.0)
ENSG00000182329 (2	SORT1 (2.1)	CELSR2 (1.9)	AMIGO1 (1.8)	ABCA6 (1.7)
GATAD2A (2.0)	ABO (2.0)	CBLC (1.9)	USP24 (1.8)	ATXN1L (1.7)
SPATC1 (1.9)	SYPL2 (1.9)	PMFBP1 (1.9)	LPIN3 (1.8)	ENSG00000182329 (1
ZHX3 (2.4)	DOCK6 (2.4)	USP24 (2.3)	RAB3GAP1 (2.3)	RASIP1 (2.2)
ENSG00000231204 (1	MYLIP (1.8)	SPATC1 (1.6)	C19orf52 (1.6)	ATXN7L2 (1.5)
LCT (1.7)	HP (1.6)	ENSG00000226622 (1	GOT2P1 (1.5)	LPAR2 (1.5)
R3HDM1 (1.3)	SLC22A3 (1.3)	TSSK6 (1.2)	ENSG00000236436 (1	PMFBP1 (1.1)
LPAL2 (2.5)	AMIGO1 (2.0)	FUT1 (1.9)	YSK4 (1.8)	CYB561D1 (1.7)
MCM6 (3.6)	POC5 (3.1)	USP1 (2.9)	ENSG00000182329 (1	NUP93 (1.7)
ENSG00000235545 (1	OBP2B (1.6)	GSTM4 (1.6)	GMIP (1.4)	ZNF513 (1.4)
HNF1A (1.7)	ABCA6 (1.6)	MAMSTR (1.6)	ENSG00000254235 (1	FGF21 (1.4)
SLC22A3 (2.0)	POLK (1.9)	TIMD4 (1.7)	YSK4 (1.6)	CETP (1.5)
SLC22A3 (2.0)	POLK (1.9)	TIMD4 (1.7)	YSK4 (1.6)	CETP (1.5)
LPIN3 (1.7)	TOP1 (1.6)	HMGCR (1.6)	KPNB1 (1.5)	FEN1 (1.4)
ZRANB3 (3.8)	MCM6 (3.7)	USP1 (2.7)	NUP93 (2.3)	IFT172 (1.6)
ZRANB3 (3.0)	NUP93 (2.7)	PSRC1 (2.5)	POC5 (1.6)	CEP250 (1.6)
FER1L4 (2.4)	POLK (1.9)	KRTCAP3 (1.7)	C11orf9 (1.7)	MAU2 (1.6)
NYNRIN (1.8)	USP24 (1.7)	SNX17 (1.7)	DARS (1.6)	PMFBP1 (1.5)
CARM1 (2.3)	PPM1G (2.2)	GATAD2A (2.1)	TBKBP1 (2.1)	NUP93 (2.1)
PMFBP1 (1.6)	ABO (1.6)	HNF1A (1.4)	SLC22A2 (1.3)	CYP26A1 (1.2)
POC5 (2.2)	C19orf52 (2.2)	TOMM40 (2.0)	ZNF513 (1.9)	BUD13 (1.8)
UBXN4 (2.2)	GATAD2A (1.9)	DARS (1.9)	SARS (1.9)	NRBP1 (1.8)
PMFBP1 (1.9)	CBLC (1.9)	C17orf57 (1.6)	LPIN3 (1.6)	DNAH11 (1.5)
SPATC1 (2.2)	ZRANB3 (2.0)	ENSG00000228044 (1	SUMO1 (1.3)	ENSG00000231204 (1
ENSG00000244861 (1	KANK2 (1.8)	MYLIP (1.7)	SLC22A3 (1.6)	NCAN (1.6)
C12orf43 (1.9)	PPM1G (1.8)	GATAD2A (1.7)	MCM6 (1.7)	MAU2 (1.6)
TXNL4B (2.5)	PPM1G (2.4)	KRTCAP3 (2.3)	IST1 (2.3)	IFT172 (2.3)
IST1 (2.1)	GMIP (1.9)	PGS1 (1.9)	IGF2R (1.8)	SNX17 (1.8)
CELSR2 (2.2)	FNDC4 (2.1)	NCAN (2.0)	SORT1 (1.9)	FADS2 (1.9)
TIMD4 (2.0)	GOT2P1 (1.8)	CETP (1.7)	PVR (1.5)	CLPTM1 (1.5)
LPL (1.3)	ENSG00000236436 (1	CILP2 (1.3)	ENSG00000182329 (1	TBKBP1 (1.3)
LPL (1.3)	ENSG00000236436 (1	CILP2 (1.3)	ENSG00000182329 (1	TBKBP1 (1.3)
LPL (1.3)	ENSG00000236436 (1	CILP2 (1.3)	ENSG00000182329 (1	TBKBP1 (1.3)
TRIM54 (2.1)	SLC44A2 (2.1)	COL4A3BP (2.1)	ZHX3 (2.0)	AMIGO1 (1.9)
USP1 (2.2)	ENSG00000236436 (2	ENSG00000226648 (2	TXNL4B (2.1)	POC5 (2.1)
C11orf9 (2.2)	AMPD2 (2.2)	HAPLN4 (2.2)	NCAN (1.9)	GRINA (1.9)
PPM1G (2.2)	SARS (2.1)	PSMA5 (2.0)	SUMO1 (1.9)	AMIGO1 (1.8)
DOCK7 (1.6)	DHODH (1.5)	SMARCA4 (1.5)	POC5 (1.4)	IGF2R (1.3)
FUT1 (2.1)	USP24 (2.1)	DOCK6 (2.0)	SORT1 (2.0)	MAP3K4 (1.9)
NRBP1 (2.3)	GRINA (2.3)	ZNF513 (1.8)	RAB3GAP1 (1.8)	ENSG00000235545 (1
POC5 (3.6)	ZRANB3 (3.5)	MCM6 (3.4)	NUP93 (1.6)	KPNB1 (1.3)
SUMO1 (2.5)	DARS (2.3)	KPNB1 (1.8)	ENSG00000231204 (1	USP1 (1.7)
CYP26A1 (1.9)	NYNRIN (1.8)	ENSG00000236436 (1	C17orf57 (1.5)	BMPR2 (1.4)
MCM6 (3.9)	ZRANB3 (3.7)	POC5 (3.6)	NUP93 (2.4)	KPNB1 (2.0)
AMPD2 (2.1)	UBXN4 (2.0)	HMGCR (1.9)	GRINA (1.7)	POLK (1.6)

ZNF821 (2.3)	ABO (2.0)	ZHX3 (1.5)	PBX4 (1.5)	ENSG00000182329 (1
ENSG00000256731 (1	POLK (1.8)	SUGP1 (1.7)	SNX17 (1.6)	TXNL4B (1.5)
ENSG00000182329 (1	SUMO1 (1.6)	MAU2 (1.6)	ENSG00000236267 (1	ENSG00000236436 (1
ABCA6 (1.7)	SLC22A3 (1.6)	ST3GAL4 (1.6)	GMIP (1.5)	OBP2B (1.4)
FUT1 (1.9)	OBP2B (1.6)	ST3GAL4 (1.6)	C19orf52 (1.5)	HP (1.4)
MAFB (2.1)	PARP10 (1.9)	DOCK6 (1.7)	TRAM2 (1.7)	DNAH11 (1.7)
OBP2B (2.1)	AMIGO1 (2.0)	SLC22A3 (2.0)	GSTM5 (1.8)	PMFBP1 (1.7)
FUT1 (2.0)	PVR (2.0)	RASIP1 (1.9)	ENSG00000254235 (1	ENSG00000226622 (1
FNDC4 (2.0)	C11orf9 (1.9)	CELSR2 (1.8)	FADS2 (1.7)	R3HDM1 (1.5)
CELSR2 (2.3)	GRINA (2.3)	YIPF2 (2.0)	NCAN (1.7)	SORT1 (1.5)
CELSR2 (2.3)	GRINA (2.3)	YIPF2 (2.0)	NCAN (1.7)	SORT1 (1.5)
IST1 (2.8)	UBXN4 (2.7)	RAB3GAP1 (2.6)	CLPTM1 (2.6)	SUGP1 (1.9)
SUGP1 (2.1)	DOCK7 (1.9)	C12orf43 (1.8)	LPAR2 (1.8)	IFT172 (1.7)
GPR61 (2.6)	ZNF259 (1.9)	SARS (1.9)	SUGP1 (1.8)	COL4A3BP (1.8)
GSTM5 (2.0)	TXNL4B (1.9)	ENSG00000226648 (1	NYNRIN (1.9)	KANK2 (1.9)
C12orf43 (1.9)	NPEPPS (1.5)	DNAH11 (1.4)	TSSK6 (1.4)	LPL (1.4)
ENSG00000226645 (2	ERGIC3 (1.9)	POC5 (1.8)	BUD13 (1.8)	TOMM40 (1.8)
ZNF821 (2.0)	ABO (1.8)	LPIN3 (1.7)	CYP26A1 (1.5)	SPATC1 (1.3)
PSMA5 (2.4)	UBXN4 (2.4)	SNX17 (2.3)	NRBP1 (2.2)	SARS (2.1)
MCM6 (3.0)	USP1 (2.8)	KPNB1 (2.3)	NOP58 (2.2)	POC5 (2.0)
MCM6 (3.0)	USP1 (2.8)	KPNB1 (2.3)	NOP58 (2.2)	POC5 (2.0)
R3HDM1 (2.2)	COL4A3BP (2.1)	ENSG00000228044 (2	HAPLN4 (2.0)	LCT (1.9)
OBP2B (1.9)	C19orf52 (1.8)	ABO (1.6)	GDF5 (1.6)	CELSR2 (1.5)
IZUMO1 (3.4)	OBP2B (1.5)	ENSG00000231204 (1	GPAM (1.1)	PBX4 (1.1)
ENSG00000182329 (2	DNAH11 (2.0)	AMIGO1 (1.9)	GOT2P1 (1.7)	FADS1 (1.7)
UBXN4 (2.6)	ABCA5 (2.3)	USP24 (2.1)	LPL (1.9)	FADS2 (1.7)
BMPR2 (2.8)	ZNF821 (2.4)	SLC22A3 (2.3)	IZUMO1 (2.1)	FUT2 (1.8)
LCT (2.2)	ZNF821 (2.1)	GPR61 (2.1)	ZRANB3 (1.9)	ATP13A1 (1.7)
ENSG00000235545 (2	NCAN (1.9)	GSTM4 (1.8)	AMIGO1 (1.7)	DNAH11 (1.6)
SLC44A2 (2.3)	NRBP1 (2.2)	FNDC4 (1.7)	TOP1 (1.7)	NCAN (1.6)
TXNL4B (2.0)	NOP58 (2.0)	ZNF513 (2.0)	SUGP1 (1.8)	DHX38 (1.8)
SPATC1 (2.3)	ENSG00000254235 (2	TOP1 (1.9)	MAP3K4 (1.9)	SUMO1 (1.7)
SPATC1 (2.3)	ENSG00000254235 (2	TOP1 (1.9)	MAP3K4 (1.9)	SUMO1 (1.7)
GATAD2A (1.8)	TRIB1 (1.7)	MAP3K4 (1.5)	ENSG00000244861 (1	C19orf52 (1.4)
COL4A3BP (2.5)	ZNF821 (2.3)	ATXN1L (2.2)	SNX17 (2.0)	ENSG00000254235 (1
RASIP1 (2.0)	COL4A3BP (1.9)	MAMSTR (1.9)	TIMD4 (1.8)	ST3GAL4 (1.7)
NOP58 (3.0)	GNAI3 (2.7)	UBXN4 (2.5)	ENSG00000236436 (2	NRBP1 (2.0)
FER1L4 (2.6)	ABCA6 (2.0)	GPR61 (2.0)	HNF1A (1.7)	LPIN3 (1.6)
DOCK6 (2.0)	OBP2B (1.9)	PBX4 (1.7)	MYLIP (1.6)	ABO (1.6)
GPR61 (2.1)	TBKBP1 (2.0)	CETP (1.9)	AMPD2 (1.9)	RASIP1 (1.9)
DNAH11 (2.5)	GPR61 (2.3)	ENSG00000226622 (2	GOT2P1 (2.0)	YSK4 (2.0)
TSSK6 (2.0)	ENSG00000231204 (1	PMFBP1 (1.7)	ST3GAL4 (1.5)	C17orf57 (1.5)
OTX1 (1.9)	CILP2 (1.7)	OBP2B (1.7)	ENSG00000236436 (1	C11orf9 (1.6)
FNDC4 (2.2)	NCAN (2.1)	HAPLN4 (2.1)	ZHX3 (2.0)	GSTM5 (1.9)
SLC22A3 (2.1)	COL4A3BP (2.0)	ABCA6 (1.8)	MAFB (1.7)	ERGIC3 (1.6)
TXNL4B (2.2)	SMARCA4 (2.1)	FEN1 (2.1)	ZRANB3 (2.1)	PSRC1 (1.9)
TRIB1 (1.8)	BCAM (1.8)	C11orf9 (1.7)	ENSG00000236436 (1	ABCA5 (1.5)
ABO (2.2)	YSK4 (1.9)	LPAL2 (1.9)	GOT2P1 (1.8)	FGF21 (1.7)
ABO (2.2)	YSK4 (1.9)	LPAL2 (1.9)	GOT2P1 (1.8)	FGF21 (1.7)
DOCK6 (2.3)	SORT1 (2.2)	SLC44A2 (2.0)	POLK (2.0)	AMPD2 (2.0)

GATAD2A (2.1)	PPM1G (2.0)	KPNB1 (2.0)	SARS (1.7)	SPATC1 (1.7)
ZRANB3 (3.7)	POC5 (3.7)	MCM6 (3.6)	NUP93 (1.7)	KPNB1 (1.3)
GSTM4 (2.0)	HAPLN4 (2.0)	KRTCAP3 (1.9)	ENSG00000254235 (1	APOE (1.6)
FER1L4 (2.0)	C12orf43 (1.8)	DOCK7 (1.7)	BUD13 (1.7)	NPEPPS (1.6)
DNAH11 (2.1)	ABCA5 (2.0)	DOCK6 (2.0)	TBKBP1 (2.0)	PVR (1.9)
ABO (2.2)	YSK4 (1.9)	GOT2P1 (1.9)	LPAL2 (1.8)	FGF21 (1.6)
PLCG1 (2.3)	ABCA1 (2.1)	USP24 (2.1)	CELSR2 (2.0)	ATP13A1 (1.7)
OBP2B (1.9)	GATAD2A (1.9)	FUT1 (1.9)	SARS (1.8)	NFE2L3 (1.6)
CETP (2.2)	NCAN (2.2)	LPL (2.0)	ST3GAL4 (1.8)	PGS1 (1.8)
SLC22A3 (1.8)	GCKR (1.8)	ENSG00000226622 (1	ENSG00000226645 (1	FER1L4 (1.6)
C11orf9 (2.0)	ENSG00000231204 (1	ZHX3 (1.8)	ABO (1.7)	SPATC1 (1.6)
CETP (2.0)	PARP10 (1.7)	IZUMO1 (1.7)	TIMD4 (1.7)	CYB561D1 (1.6)
MAU2 (2.5)	ENSG00000226645 (2	C12orf43 (2.1)	ZNF513 (2.0)	SUMO1 (2.0)
PLCG1 (2.1)	SNX17 (2.1)	USP1 (2.1)	IGF2R (2.0)	GRINA (1.9)
IST1 (2.9)	DHX38 (2.9)	NOP58 (2.8)	C12orf43 (2.1)	MAU2 (1.9)
IST1 (2.9)	DHX38 (2.9)	NOP58 (2.8)	C12orf43 (2.1)	MAU2 (1.9)
ENSG00000226622 (2	RELB (2.0)	GOT2P1 (1.6)	ENSG00000228044 (1	PVR (1.5)
ENSG00000236267 (1	FUT2 (1.5)	PLCG1 (1.3)	SPATC1 (1.1)	PGS1 (1.1)
NPEPPS (1.8)	HMGCR (1.6)	IST1 (1.6)	PSRC1 (1.5)	ENSG00000256731 (1
COL4A3BP (2.9)	GRINA (2.5)	NRBP1 (2.3)	CYB561D1 (2.3)	IGF2R (2.2)
COL4A3BP (2.9)	GRINA (2.5)	NRBP1 (2.3)	CYB561D1 (2.3)	IGF2R (2.2)
SORT1 (2.0)	GSTM5 (2.0)	NFE2L3 (1.4)	CELSR2 (1.3)	LDLR (1.3)
HNF4A (2.1)	BCAM (1.8)	ENSG00000231204 (1	RASIP1 (1.4)	OTX1 (1.4)
ZNF513 (2.1)	SUGP1 (1.8)	C19orf52 (1.8)	MAP3K4 (1.7)	ZRANB3 (1.4)
AMPD2 (2.0)	NCAN (2.0)	HP (1.8)	ST3GAL4 (1.7)	FUT1 (1.7)
AMPD2 (2.0)	NCAN (2.0)	HP (1.8)	ST3GAL4 (1.7)	FUT1 (1.7)
PMFBP1 (2.2)	SORT1 (2.2)	ATXN7L2 (2.0)	GNAT2 (1.9)	AMIGO1 (1.9)
NPEPPS (2.1)	CARM1 (1.9)	NOP58 (1.8)	ENSG00000236436 (1	DARS (1.8)
NYNRIN (1.8)	CYP26A1 (1.7)	DNAH11 (1.7)	ZNF821 (1.5)	GDF5 (1.3)
SMARCA4 (2.7)	PBX4 (2.5)	MAP3K4 (2.3)	IFT172 (2.3)	ZRANB3 (2.1)
SMARCA4 (2.7)	PBX4 (2.5)	MAP3K4 (2.3)	IFT172 (2.3)	ZRANB3 (2.1)
NUP93 (2.8)	KPNB1 (2.2)	NOP58 (2.2)	SNX17 (2.2)	AMPD2 (1.9)
BCAM (1.9)	IGF2R (1.9)	HAPLN4 (1.5)	PVR (1.4)	RASIP1 (1.2)
TOP1 (2.2)	SNX17 (2.1)	MAU2 (2.1)	BUD13 (1.9)	KPNB1 (1.6)
ANGPTL3 (2.2)	PGS1 (2.1)	MAP3K4 (2.1)	CBLC (1.8)	GPAM (1.7)
FUT2 (2.6)	KANK2 (2.3)	LDLR (2.2)	MYLIP (2.1)	FNDC4 (2.0)
IST1 (2.1)	GMIP (1.9)	IGF2R (1.9)	PGS1 (1.9)	SNX17 (1.8)
FADS2 (2.0)	FADS1 (1.8)	BUD13 (1.8)	USP24 (1.7)	UBXN4 (1.6)
NRBP1 (2.1)	AMIGO1 (2.0)	GSTM5 (2.0)	TOP1 (1.9)	ENSG00000254235 (1
GPR61 (1.7)	R3HDM1 (1.6)	MAFB (1.5)	NCAN (1.5)	ZHX3 (1.4)
ENSG00000236436 (2	CELSR2 (2.2)	FER1L4 (2.1)	ZNF513 (2.1)	LPAR2 (2.0)
LDLR (2.2)	HMGCR (2.1)	R3HDM1 (1.8)	TOP1 (1.7)	KPNB1 (1.7)
MCM6 (2.3)	DHX38 (2.1)	R3HDM1 (2.0)	ZNF259 (1.9)	AMPD2 (1.9)
GDF5 (2.4)	AMIGO1 (2.1)	TRIM54 (2.1)	R3HDM1 (2.0)	ENSG00000256731 (2
SUMO1 (2.2)	IST1 (2.2)	ATXN1L (2.1)	NPEPPS (1.9)	MAU2 (1.9)
C17orf57 (1.6)	ENSG00000228044 (1	MAMSTR (1.4)	ENSG00000235545 (1	OBP2B (1.2)
NPEPPS (2.1)	SMARCA4 (2.0)	MAU2 (1.9)	ZNF821 (1.9)	USP24 (1.9)
TRAM2 (1.6)	C17orf57 (1.6)	PLEC (1.6)	PLCG1 (1.5)	PVRL2 (1.5)
ENSG00000226806 (2	IST1 (2.1)	SORT1 (2.0)	CELSR2 (1.9)	COL4A3BP (1.8)
SPATC1 (1.4)	C11orf9 (1.3)	BUD13 (1.3)	GCKR (1.3)	MYLIP (1.2)

ABCA5 (2.1)	C12orf43 (2.0)	ENSG00000182329 (1	AMIGO1 (1.8)	GRINA (1.5)
SUGP1 (2.4)	C19orf52 (2.0)	TOMM40 (1.7)	BUD13 (1.7)	DHX38 (1.6)
SNX17 (2.0)	DOCK6 (1.9)	OTX1 (1.7)	RAB3GAP1 (1.7)	GCKR (1.7)
KRTCAP3 (1.9)	PBX4 (1.8)	SPATC1 (1.7)	DOCK7 (1.7)	LPAR2 (1.5)
SUMO1 (2.2)	TSSK6 (2.2)	TRIB1 (1.8)	ABCG8 (1.7)	DOCK7 (1.7)
ABO (1.9)	DOCK6 (1.9)	GDF5 (1.8)	SYPL2 (1.7)	SLC22A3 (1.7)
ENSG00000226645 (2	ENSG00000244861 (2	BMPR2 (2.0)	ENSG00000236436 (1	ENSG00000254235 (1
MAP3K4 (2.4)	TRIB1 (2.2)	ENSG00000254235 (2	IZUMO1 (2.0)	FNDC4 (1.6)
MAMSTR (2.1)	CEP250 (1.9)	BUD13 (1.8)	FGF21 (1.6)	ENSG00000244861 (1
ENSG00000256731 (2	ENSG00000182329 (2	SLC22A3 (2.1)	PMFBP1 (1.8)	LPIN3 (1.8)
SLC22A3 (2.3)	ENSG00000231204 (2	YSK4 (1.8)	OBP2B (1.8)	TSSK6 (1.8)
PLEC (2.3)	GRINA (2.2)	GNAI3 (2.1)	COL4A3BP (2.1)	CARM1 (1.7)
RAB3GAP1 (2.2)	PLCG1 (2.0)	LPIN3 (1.8)	RASIP1 (1.8)	CBLC (1.7)
ENSG00000256731 (2	NRBP1 (1.8)	CLPTM1 (1.6)	MYLIP (1.6)	GNAI3 (1.6)
POC5 (2.5)	FEN1 (2.3)	MCM6 (2.2)	USP1 (2.2)	KPNB1 (2.2)
CLPTM1 (1.9)	TBKBP1 (1.9)	DOCK6 (1.9)	GSTM5 (1.8)	BCAM (1.8)
GPR61 (2.8)	CLPTM1 (2.7)	LPIN3 (2.2)	ENSG00000231204 (2	MAMSTR (2.0)
GPR61 (2.8)	CLPTM1 (2.7)	LPIN3 (2.2)	ENSG00000231204 (2	MAMSTR (2.0)
SNX17 (2.0)	C19orf52 (1.8)	GSTM4 (1.8)	ENSG00000244861 (1	KANK2 (1.6)
LPAR2 (2.1)	APOA4 (1.9)	NCAN (1.9)	MAMSTR (1.8)	GSTM5 (1.8)
LPA (1.7)	ENSG00000236436 (1	IZUMO1 (1.6)	CILP2 (1.5)	ENSG00000244861 (1
GNAT2 (3.3)	DNAH11 (3.0)	ERGIC3 (1.8)	ENSG00000182329 (1	SLC22A2 (1.2)
ATXN1L (2.1)	ENSG00000235545 (2	MAU2 (1.9)	ENSG00000226645 (1	RELB (1.8)
ATXN1L (2.1)	ENSG00000235545 (2	MAU2 (1.9)	ENSG00000226645 (1	RELB (1.8)
ATXN1L (2.1)	ENSG00000235545 (2	MAU2 (1.9)	ENSG00000226645 (1	RELB (1.8)
NOP58 (3.0)	TOMM40 (2.7)	C19orf52 (2.5)	POC5 (2.4)	TXNL4B (2.2)
ABO (2.0)	GNAI3 (1.9)	LPIN3 (1.7)	C12orf43 (1.6)	MAU2 (1.5)
GDF5 (2.0)	FNDC4 (1.9)	ENSG00000231204 (1	GSTM5 (1.8)	ENSG00000226645 (1
AMPD2 (2.4)	ENSG00000182329 (2	BUD13 (1.8)	GATAD2A (1.8)	FUT2 (1.8)
ZRANB3 (3.2)	USP1 (3.2)	POC5 (3.1)	NUP93 (1.8)	ENSG00000228044 (1
YIPF2 (1.9)	OBP2B (1.8)	ZNF821 (1.7)	SORT1 (1.6)	TRAM2 (1.6)
GSTM5 (2.8)	SLC22A3 (2.2)	ZHX3 (2.0)	FUT2 (1.9)	SORT1 (1.8)
GOT2P1 (2.5)	GSTM4 (2.4)	SORT1 (2.4)	ENSG00000182329 (2	ENSG00000231204 (2
ABO (2.4)	GNAI3 (1.8)	PMFBP1 (1.8)	C19orf52 (1.7)	MYLIP (1.6)
PSMA5 (2.3)	DARS (2.2)	PLEC (2.1)	PPM1G (2.0)	SUGP1 (2.0)
KRTCAP3 (1.6)	GSTM4 (1.5)	PCSK9 (1.4)	YIPF2 (1.4)	OBP2B (1.3)
KRTCAP3 (1.6)	GSTM4 (1.5)	PCSK9 (1.4)	YIPF2 (1.4)	OBP2B (1.3)
KRTCAP3 (1.6)	GSTM4 (1.5)	PCSK9 (1.4)	YIPF2 (1.4)	OBP2B (1.3)
CYB561D1 (2.5)	ENSG00000236267 (2	LPAL2 (2.2)	AMIGO1 (1.8)	GSTM5 (1.7)
IZUMO1 (1.7)	NCAN (1.5)	C12orf43 (1.5)	POLK (1.5)	TRIB1 (1.5)
CELSR2 (1.9)	ENSG00000182329 (1	ENSG00000254235 (1	ABCG5 (1.5)	PBX4 (1.5)
ENSG00000226645 (2	RELB (2.0)	GSTM4 (2.0)	ENSG00000228044 (1	CYB561D1 (1.8)
PPM1G (2.1)	DHX38 (1.9)	KPNB1 (1.9)	ATP13A1 (1.8)	GATAD2A (1.8)
HNF4A (3.5)	PLG (2.9)	ANGPTL3 (2.4)	SYPL2 (2.2)	ENSG00000256731 (1
ENSG00000236436 (1	SUMO1 (1.7)	CYB561D1 (1.6)	ENSG00000226622 (1	ENSG00000226806 (1
ENSG00000236436 (1	SUMO1 (1.7)	CYB561D1 (1.6)	ENSG00000226622 (1	ENSG00000226806 (1
IZUMO1 (1.7)	TRIB1 (1.7)	MAFB (1.6)	COL4A3BP (1.5)	ZHX3 (1.5)
GNAI3 (1.8)	R3HDM1 (1.7)	PLCG1 (1.7)	NPEPPS (1.7)	MCM6 (1.6)
PLEC (1.8)	USP24 (1.7)	PLCG1 (1.7)	PARP10 (1.7)	RASIP1 (1.6)
DARS (2.9)	POC5 (2.3)	GRINA (2.2)	ZNF259 (2.1)	ENSG00000226806 (1

ABCA5 (2.1)	LIPG (1.7)	LPAL2 (1.6)	GPR61 (1.6)	PMFBP1 (1.5)
CARM1 (1.9)	USP24 (1.8)	ENSG00000226645 (1	LPIN3 (1.8)	MAMSTR (1.6)
ENSG00000226806 (2	C19orf52 (2.1)	DOCK7 (2.0)	GSTM4 (1.7)	GOT2P1 (1.7)
DOCK7 (2.4)	C11orf9 (2.0)	NCAN (1.9)	BMPR2 (1.8)	NPEPPS (1.8)
SUGP1 (2.6)	ZNF259 (2.4)	TOMM40 (1.6)	NFE2L3 (1.6)	PSMA5 (1.6)
DARS (2.8)	POC5 (2.7)	SUGP1 (2.1)	ZNF259 (2.0)	ENSG00000236436 (1
ATXN1L (2.2)	SNX17 (2.0)	SYPL2 (1.7)	SORT1 (1.7)	AMIGO1 (1.6)
CYB561D1 (2.7)	ZNF513 (2.6)	C12orf43 (2.0)	MAU2 (2.0)	ENSG00000236267 (1
ENSG00000226806 (2	SORT1 (2.0)	C17orf57 (1.8)	PSRC1 (1.6)	GPR61 (1.6)
GATAD2A (1.8)	ENSG00000256731 (1	PSMA5 (1.7)	SUMO1 (1.7)	ENSG00000235545 (1
IST1 (2.3)	ATXN1L (2.0)	SUMO1 (2.0)	R3HDM1 (2.0)	MAU2 (2.0)
CELSR2 (2.2)	FGF21 (1.9)	BCAM (1.7)	PLEC (1.7)	MAMSTR (1.5)
HMGCR (1.7)	FER1L4 (1.5)	MYLIP (1.4)	FADS1 (1.4)	C11orf9 (1.4)
HMGCR (1.7)	FER1L4 (1.5)	MYLIP (1.4)	FADS1 (1.4)	C11orf9 (1.4)
RAB3GAP1 (2.4)	SNX17 (2.1)	GNAT2 (1.9)	IFT172 (1.8)	AMPD2 (1.7)
FUT1 (2.3)	TBKBP1 (2.0)	SLC44A2 (2.0)	SPATC1 (2.0)	SLC22A2 (1.9)
PSMA5 (2.6)	ATP13A1 (2.5)	PPM1G (2.4)	PLEC (2.0)	CLPTM1 (2.0)
SNX17 (2.5)	UBXN4 (2.4)	ENSG00000226645 (2	POC5 (2.2)	SUMO1 (2.2)
CARM1 (1.9)	ABO (1.9)	PMFBP1 (1.7)	SUMO1 (1.6)	SLC44A2 (1.6)
R3HDM1 (3.0)	SUGP1 (2.8)	DHX38 (2.8)	CARM1 (2.5)	ZNF821 (2.3)
TOMM40 (2.2)	ZNF259 (2.2)	SUGP1 (2.1)	BUD13 (2.1)	ZNF513 (1.8)
RELB (2.2)	PBX4 (2.1)	CYB561D1 (2.0)	R3HDM1 (1.8)	HAVCR1 (1.6)
USP24 (2.2)	BMPR2 (2.1)	MAP3K4 (2.0)	ZNF821 (1.9)	KANK2 (1.9)
SLC22A3 (2.0)	ABO (2.0)	OBP2B (1.9)	GSTM5 (1.8)	PMFBP1 (1.7)
TRIB1 (1.9)	PGS1 (1.7)	MYLIP (1.7)	SLC22A3 (1.7)	NPEPPS (1.6)
PBX4 (1.5)	MAMSTR (1.5)	KRTCAP3 (1.4)	RELB (1.2)	GPR61 (1.1)
POLK (2.0)	ENSG00000256731 (1	SUGP1 (1.7)	SNX17 (1.5)	TXNL4B (1.4)
IZUMO1 (1.9)	PMFBP1 (1.7)	ENSG00000236267 (1	GOT2P1 (1.5)	ENSG00000235545 (1
PVR (1.9)	FER1L4 (1.9)	NYNRIN (1.8)	ENSG00000226645 (1	TRAM2 (1.6)
CYP26A1 (2.2)	ENSG00000235545 (2	GNAI3 (1.9)	FNDC4 (1.8)	BMPR2 (1.6)
ZNF821 (2.5)	MAU2 (2.5)	SMARCA4 (2.4)	BUD13 (2.3)	SUMO1 (2.2)
MAU2 (2.5)	SLC44A2 (2.1)	MAMSTR (2.0)	OASL (2.0)	IFT172 (2.0)
ERGIC3 (2.0)	YIPF2 (1.9)	USP24 (1.9)	FER1L4 (1.7)	ENSG00000228044 (1
GNAT2 (2.7)	ATXN1L (2.2)	ENSG00000226806 (1	YIPF2 (1.8)	LIPG (1.6)
GNAT2 (2.7)	ATXN1L (2.2)	ENSG00000226806 (1	YIPF2 (1.8)	LIPG (1.6)
GNAT2 (2.7)	ATXN1L (2.2)	ENSG00000226806 (1	YIPF2 (1.8)	LIPG (1.6)
SUGP1 (2.0)	FNDC4 (2.0)	GATAD2A (1.9)	CARM1 (1.9)	HAPLN4 (1.7)
USP24 (2.0)	DOCK7 (1.9)	DHX38 (1.8)	SLC44A2 (1.7)	PLEC (1.7)
MAFB (2.4)	NYNRIN (2.2)	SUMO1 (1.8)	ABCA6 (1.7)	C19orf80 (1.7)
FER1L4 (0.8)	ENSG00000228044 (0	YSK4 (0.7)	FUT1 (0.7)	PGS1 (0.7)
ENSG00000231204 (2	ENSG00000228044 (2	IZUMO1 (2.3)	SLC22A2 (2.2)	GSTM5 (2.2)
MCM6 (3.7)	USP1 (3.7)	POC5 (3.5)	NUP93 (1.9)	KPNB1 (1.3)
TSSK6 (1.8)	BMPR2 (1.6)	NPEPPS (1.6)	ABCA1 (1.5)	CARM1 (1.3)
HAPLN4 (1.8)	ABO (1.7)	ENSG00000226806 (1	GSTM5 (1.5)	AMIGO1 (1.5)
GCKR (2.0)	FER1L4 (2.0)	TSSK6 (1.7)	NCAN (1.6)	C11orf9 (1.6)
PPM1G (2.7)	SNX17 (2.6)	DARS (2.6)	TOMM40 (2.6)	GNAI3 (2.3)
EHBP1 (1.6)	CYP26A1 (1.5)	CILP2 (1.4)	PVRL2 (1.4)	C11orf9 (1.3)
COL4A3BP (2.0)	USP24 (2.0)	GNAI3 (2.0)	GMIP (1.8)	PLEC (1.8)
ENSG00000226645 (2	GSTM4 (2.0)	CYB561D1 (1.9)	RELB (1.8)	ENSG00000228044 (1
GOT2P1 (1.6)	HAVCR1 (1.5)	DNAH11 (1.2)	LPIN3 (1.2)	PGS1 (1.2)

DARS (2.6)	SMARCA4 (2.2)	KPNB1 (1.9)	AMPD2 (1.9)	CARM1 (1.9)
CEP250 (2.7)	ENSG00000226622 (2	HAVCR1 (2.4)	POLK (2.3)	ENSG00000235545 (2
C19orf52 (1.6)	DARS (1.6)	DHODH (1.6)	FER1L4 (1.5)	HMGCR (1.4)
BUD13 (2.3)	ZNF259 (2.3)	TOMM40 (2.1)	TOP1 (2.1)	DARS (2.0)
ERGIC3 (2.9)	UBXN4 (2.4)	LDLR (2.2)	FADS2 (2.0)	FADS1 (1.9)
ENSG00000226645 (2	ZNF513 (2.3)	AMIGO1 (2.2)	ABCA5 (2.2)	PLCG1 (2.2)
USP1 (2.2)	SARS (2.1)	SMARCA4 (2.0)	MCM6 (1.9)	NFE2L3 (1.8)
GDF5 (1.9)	SLC22A3 (1.8)	SLC22A2 (1.6)	ABO (1.6)	LPL (1.5)
IZUMO1 (2.0)	ZHX3 (2.0)	FUT1 (1.9)	CILP2 (1.8)	KANK2 (1.7)
CEP250 (2.1)	GPAM (2.1)	LCT (1.8)	GMIP (1.8)	DOCK7 (1.6)
PPM1G (2.4)	ATP13A1 (2.3)	TOP1 (2.3)	SARS (2.2)	SUGP1 (2.0)
ENSG00000235545 (2	PBX4 (1.9)	SPATC1 (1.8)	CELSR2 (1.8)	GSTM5 (1.7)
SARS (1.9)	CEP250 (1.7)	ERGIC3 (1.6)	NRBP1 (1.6)	ENSG00000244861 (1
SARS (1.9)	CEP250 (1.7)	ERGIC3 (1.6)	NRBP1 (1.6)	ENSG00000244861 (1
ENSG00000235545 (1	PBX4 (1.4)	C12orf43 (1.4)	CYB561D1 (1.3)	GDF5 (1.3)
UBXN4 (1.8)	GNAI3 (1.7)	TXNL4B (1.7)	HAVCR1 (1.6)	NOP58 (1.4)
ZNF821 (2.4)	GRINA (2.0)	SNX17 (1.9)	COL4A3BP (1.8)	C12orf43 (1.7)
PCSK9 (1.8)	NRBP1 (1.8)	C12orf43 (1.6)	MAP3K4 (1.6)	IFT172 (1.4)
DARS (2.6)	SUMO1 (2.5)	DOCK6 (2.4)	RAB3GAP1 (2.4)	ATXN7L2 (2.4)
C17orf57 (1.7)	NYNRIN (1.6)	PLCG1 (1.4)	AMIGO1 (1.4)	FER1L4 (1.3)
ENSG00000226645 (1	LIPC (1.7)	PGS1 (1.6)	CILP2 (1.5)	NFE2L3 (1.5)
TOMM40 (2.1)	ENSG00000231204 (1	CLPTM1 (1.8)	TXNL4B (1.8)	SMARCA4 (1.7)
ENSG00000226648 (1	C19orf80 (1.7)	GSTM4 (1.7)	C11orf9 (1.7)	TXNL4B (1.6)
ENSG00000236267 (1	ZRANB3 (1.7)	GSTM4 (1.6)	ENSG00000236436 (1	FUT1 (1.3)
ENSG00000236267 (1	ZRANB3 (1.7)	GSTM4 (1.6)	ENSG00000236436 (1	FUT1 (1.3)
ABCA6 (1.9)	MAP3K4 (1.8)	POLK (1.6)	TBKBP1 (1.6)	GNAI3 (1.5)
ATXN1L (2.4)	ATXN7L2 (2.1)	ENSG00000235545 (2	SNX17 (1.9)	TOMM40 (1.8)
IZUMO1 (1.0)	PVRL2 (0.9)	FGF21 (0.9)	PVR (0.9)	ENSG00000226648 (0
POC5 (1.9)	POLK (1.7)	CYB561D1 (1.7)	ENSG00000231204 (1	MAMSTR (1.5)
TSSK6 (1.6)	FUT1 (1.6)	TRAM2 (1.5)	LPIN3 (1.5)	CBLC (1.4)
ABCA6 (2.0)	CETP (2.0)	TIMD4 (1.9)	ENSG00000226806 (1	IGF2R (1.7)
NFE2L3 (2.3)	SUGP1 (2.2)	POC5 (2.2)	LPIN3 (1.8)	ENSG00000256731 (1
CYB561D1 (2.6)	YIPF2 (2.0)	CLPTM1 (1.8)	TRAM2 (1.6)	ENSG00000244861 (1
C11orf9 (2.3)	IZUMO1 (2.2)	NPEPPS (1.9)	DARS (1.9)	ENSG00000182329 (1
RAB3GAP1 (2.0)	ZRANB3 (1.9)	DARS (1.9)	ENSG00000236436 (1	GDF5 (1.8)
TXNL4B (2.4)	SUMO1 (2.0)	NOP58 (2.0)	TOMM40 (1.8)	CLPTM1 (1.6)
ZRANB3 (2.2)	SUGP1 (2.2)	ENSG00000235545 (1	CEP250 (1.9)	ENSG00000231204 (1
TOP1 (2.2)	DHX38 (2.1)	C12orf43 (2.0)	ERGIC3 (2.0)	SARS (1.8)
TOP1 (2.2)	DHX38 (2.1)	C12orf43 (2.0)	ERGIC3 (2.0)	SARS (1.8)
SUGP1 (2.1)	HAVCR1 (2.0)	PSRC1 (1.9)	MCM6 (1.9)	ZNF821 (1.8)
SUGP1 (2.1)	HAVCR1 (2.0)	PSRC1 (1.9)	MCM6 (1.9)	ZNF821 (1.8)
SUGP1 (2.1)	HAVCR1 (2.0)	PSRC1 (1.9)	MCM6 (1.9)	ZNF821 (1.8)
IST1 (2.6)	PSMA5 (2.1)	CILP2 (2.1)	AMPD2 (2.1)	DARS (2.1)
PLEC (1.8)	C17orf57 (1.8)	FGF21 (1.7)	NPEPPS (1.7)	CELSR2 (1.6)
TXNL4B (2.2)	PSMA5 (2.0)	SMARCA4 (1.9)	DHX38 (1.8)	ENSG00000226806 (1
TXNL4B (2.2)	PSMA5 (2.0)	SMARCA4 (1.9)	DHX38 (1.8)	ENSG00000226806 (1
MYLIP (2.5)	C19orf52 (1.9)	POC5 (1.7)	ENSG00000236436 (1	PMFBP1 (1.6)
TIMD4 (1.8)	SPATC1 (1.6)	NFE2L3 (1.6)	LPAL2 (1.6)	MAMSTR (1.3)
NOP58 (3.0)	DHX38 (2.9)	IST1 (2.7)	C12orf43 (2.0)	MAU2 (2.0)
CEP250 (2.4)	KPNB1 (2.4)	USP1 (2.3)	FEN1 (1.9)	PLCG1 (1.6)

EHBP1 (2.6)	TBKBP1 (1.9)	OTX1 (1.7)	NFE2L3 (1.7)	ATXN7L2 (1.7)
ABO (1.8)	ZNF821 (1.7)	LPAR2 (1.7)	CYP26A1 (1.7)	RASIP1 (1.6)
FEN1 (3.4)	ZRANB3 (3.3)	MCM6 (2.8)	IFT172 (2.0)	BUD13 (1.9)
IFT172 (2.6)	SMARCA4 (2.6)	MAP3K4 (2.5)	PBX4 (2.3)	ZRANB3 (2.1)
IFT172 (2.6)	SMARCA4 (2.6)	MAP3K4 (2.5)	PBX4 (2.3)	ZRANB3 (2.1)
CYB561D1 (2.0)	SLC22A3 (1.8)	DOCK6 (1.8)	GMIP (1.7)	RASIP1 (1.7)
ABO (2.5)	ENSG00000226622 (2	DNAH11 (1.9)	ENSG00000226645 (1	KRTCAP3 (1.3)
PMFBP1 (2.2)	TOP1 (2.0)	ABCA5 (1.9)	CELSR2 (1.8)	ABCA6 (1.7)
CLPTM1 (2.5)	TXNL4B (2.2)	ENSG00000231204 (2	GOT2P1 (2.0)	IST1 (2.0)
NPEPPS (2.0)	GNAI3 (1.7)	GNAT2 (1.7)	UBXN4 (1.5)	CYB561D1 (1.3)
RASIP1 (2.3)	AMIGO1 (2.1)	C17orf57 (1.8)	APOE (1.7)	GRINA (1.7)
GNAI3 (2.5)	NRBP1 (2.4)	ENSG00000235545 (2	ENSG00000228044 (2	BUD13 (2.0)
OBP2B (2.6)	GSTM5 (2.0)	ST3GAL4 (2.0)	DNAH11 (1.8)	C11orf9 (1.8)
ENSG00000244861 (2	DARS (2.1)	GMIP (1.9)	SPATC1 (1.8)	BCAM (1.8)
TM6SF2 (2.4)	ABCG8 (2.3)	HAPLN4 (2.2)	APOA4 (2.1)	PMFBP1 (1.9)
SLC22A3 (1.5)	ENSG00000226806 (1	DOCK7 (1.4)	LIPC (1.3)	ZHX3 (1.2)
RAB3GAP1 (2.3)	ATXN1L (2.2)	FUT1 (2.1)	TSSK6 (2.0)	YIPF2 (1.9)
POC5 (2.3)	FEN1 (2.3)	C12orf43 (2.2)	ENSG00000226806 (2	ZNF259 (2.0)
ATXN7L2 (1.7)	PMFBP1 (1.6)	FGF21 (1.5)	GOT2P1 (1.5)	PVR (1.4)
KANK2 (1.2)	PLEC (1.1)	PVRL2 (1.1)	FGF21 (1.0)	FUT2 (0.8)
GOT2P1 (1.7)	ATXN7L2 (1.6)	HNF1A (1.6)	SPATC1 (1.5)	ZNF821 (1.5)
ENSG00000244861 (1	AMPD2 (1.8)	ZNF513 (1.7)	CETP (1.7)	TIMD4 (1.6)
CARM1 (2.3)	HNF1A (2.2)	IGF2R (2.0)	ENSG00000244861 (1	ZHX3 (1.7)
NPEPPS (2.4)	POC5 (2.3)	MAU2 (2.3)	NRBP1 (2.1)	BUD13 (1.9)
DOCK7 (2.3)	PBX4 (1.9)	EHBP1 (1.7)	YSK4 (1.6)	ERGIC3 (1.4)
HAPLN4 (2.2)	ABO (2.1)	COL4A3BP (1.8)	ENSG00000228044 (1	GPAM (1.4)
MCM6 (1.9)	HAVCR1 (1.8)	FEN1 (1.7)	ENSG00000226645 (1	IST1 (1.7)
PSRC1 (2.0)	POC5 (1.9)	IZUMO1 (1.9)	ST3GAL4 (1.8)	NPEPPS (1.7)
TOMM40 (2.6)	UBXN4 (2.4)	MAFB (2.1)	TRIB1 (2.1)	TOP1 (2.0)
LPAR2 (2.1)	YIPF2 (2.0)	CYB561D1 (2.0)	ZNF821 (1.8)	RAB3GAP1 (1.7)
PGS1 (2.0)	GRINA (1.8)	IST1 (1.8)	PVRL2 (1.8)	ABCG8 (1.7)
LPL (2.4)	C11orf9 (1.8)	FNDC4 (1.8)	MYLIP (1.8)	ENSG00000256731 (1
FUT1 (2.1)	AMIGO1 (1.9)	DHX38 (1.8)	MAMSTR (1.6)	USP24 (1.5)
ZRANB3 (3.8)	POC5 (3.6)	USP1 (3.5)	NUP93 (1.9)	KPNB1 (1.5)
USP24 (2.1)	ABCA5 (1.8)	C12orf43 (1.7)	ENSG00000236436 (1	KPNB1 (1.6)
ABCA6 (1.9)	ENSG00000235545 (1	LPAR2 (1.8)	MAU2 (1.4)	FER1L4 (1.4)
MYLIP (1.5)	SUMO1 (1.5)	DOCK7 (1.4)	ENSG00000226648 (1	TOP1 (1.1)
KANK2 (2.1)	DARS (2.0)	MAFB (1.9)	MAP3K4 (1.6)	ZNF821 (1.6)
IST1 (3.0)	PPM1G (2.6)	SUMO1 (2.2)	SARS (2.1)	TOMM40 (1.9)
SLC44A2 (1.9)	CILP2 (1.8)	CEP250 (1.8)	BMPR2 (1.6)	PCSK9 (1.5)
GPR61 (2.0)	PLEC (2.0)	PVRL2 (1.9)	TRIM54 (1.9)	LCT (1.8)
C19orf52 (1.9)	SUGP1 (1.8)	DHX38 (1.8)	GRINA (1.8)	ATP13A1 (1.8)
TXNL4B (2.4)	SUGP1 (2.2)	TOP1 (2.0)	GNAI3 (2.0)	DARS (1.8)
ATXN1L (2.7)	GNAT2 (2.1)	DHX38 (1.8)	DARS (1.7)	ENSG00000236436 (1
IST1 (2.5)	ZNF821 (2.2)	BMPR2 (2.2)	SNX17 (1.8)	GMIP (1.6)
PLEC (1.9)	ST3GAL4 (1.9)	PVRL2 (1.7)	C17orf57 (1.3)	CBLC (1.3)
ENSG00000236267 (1	MYLIP (1.8)	GSTM5 (1.6)	CYP26A1 (1.6)	CEP250 (1.6)
ATP13A1 (2.6)	PSMA5 (2.5)	DARS (2.4)	IFT172 (2.1)	PPM1G (2.1)
ZRANB3 (3.8)	USP1 (3.6)	POC5 (3.4)	NUP93 (1.7)	KPNB1 (1.3)
ZRANB3 (1.7)	DOCK7 (1.6)	ABCA5 (1.5)	ZNF513 (1.5)	ATXN7L2 (1.5)

MYLIP (2.3)	PLCG1 (1.8)	ENSG00000182329 (1	LPA (1.7)	ABCA5 (1.6)
PVRL2 (1.2)	KANK2 (1.0)	MAMSTR (0.9)	FGF21 (0.9)	IZUMO1 (0.8)
MCM6 (3.5)	USP1 (3.4)	ZRANB3 (3.2)	NUP93 (1.9)	RAB3GAP1 (1.6)
C19orf52 (2.1)	SNX17 (2.1)	DARS (2.0)	UBXN4 (1.9)	BUD13 (1.8)
SLC22A3 (1.9)	KANK2 (1.8)	COL4A3BP (1.8)	POC5 (1.7)	GOT2P1 (1.6)
OBP2B (2.3)	HNF4A (1.8)	TRIB1 (1.8)	LPAR2 (1.7)	SLC22A1 (1.7)
C12orf43 (2.0)	NOP58 (1.9)	SARS (1.9)	CLPTM1 (1.8)	C19orf52 (1.8)
HNF1A (2.3)	ABCA5 (2.2)	SLC44A2 (2.2)	AMIGO1 (1.9)	SORT1 (1.8)
POC5 (3.6)	USP1 (3.3)	ZRANB3 (3.2)	NUP93 (1.8)	KPNB1 (1.2)
DNAH11 (2.5)	ENSG00000182329 (2	RASIP1 (2.3)	EHBP1 (1.9)	ENSG00000254235 (1
ENSG00000235545 (2	CEP250 (2.5)	GOT2P1 (2.4)	FEN1 (2.3)	ENSG00000228044 (2
KRTCAP3 (2.2)	ENSG00000254235 (2	APOC1 (1.9)	HAPLN4 (1.9)	ENSG00000226806 (1
YIPF2 (2.9)	CYB561D1 (2.5)	GNAI3 (2.1)	RAB3GAP1 (2.0)	PSMA5 (1.9)
MAP3K4 (2.0)	ZNF513 (1.9)	SUGP1 (1.9)	C17orf57 (1.7)	C19orf52 (1.7)
CEP250 (1.9)	MCM6 (1.9)	FEN1 (1.9)	ENSG00000236436 (1	PGS1 (1.8)
NRBP1 (2.1)	PSMA5 (1.9)	NOP58 (1.9)	R3HDM1 (1.9)	KPNB1 (1.9)
C11orf9 (2.1)	FUT1 (1.9)	FNDC4 (1.9)	LPL (1.6)	LPIN3 (1.6)
ABO (1.8)	SORT1 (1.7)	ENSG00000236436 (1	PMFBP1 (1.7)	CYP26A1 (1.5)
ENSG00000228044 (1	HAVCR1 (1.6)	CYP26A1 (1.6)	ENSG00000231204 (1	MYLIP (1.4)
ENSG00000226645 (1	TRAM2 (1.8)	BCAM (1.7)	ABO (1.7)	TSSK6 (1.6)
C19orf52 (2.7)	ATXN1L (2.3)	IST1 (2.1)	RAB3GAP1 (2.1)	GPAM (1.9)
PBX4 (2.4)	ENSG00000226806 (2	PARP10 (2.1)	CLPTM1 (2.0)	MAU2 (2.0)
C17orf57 (1.9)	TRIM54 (1.8)	PVRL2 (1.7)	SLC44A2 (1.7)	GMIP (1.6)
ZNF513 (2.0)	PGS1 (1.9)	MAU2 (1.9)	ENSG00000226648 (1	PBX4 (1.7)
KPNB1 (2.8)	PLEC (2.7)	DOCK7 (2.6)	NPEPPS (2.3)	PPM1G (2.1)
ENSG00000182329 (1	C11orf9 (1.6)	KANK2 (1.6)	LPL (1.5)	FADS2 (1.5)
SYPL2 (2.7)	CELSR2 (2.6)	LPIN3 (2.0)	ABCA6 (2.0)	FUT1 (1.9)
C19orf52 (2.2)	DNAH11 (2.1)	ENSG00000226648 (2	PMFBP1 (2.0)	TSSK6 (1.9)
MCM6 (2.6)	LPIN3 (2.5)	LPAR2 (2.3)	SUGP1 (2.3)	IFT172 (2.1)
IFT172 (2.4)	NPEPPS (2.2)	POLK (2.1)	SMARCA4 (2.0)	GNAI3 (2.0)
CILP2 (2.0)	OTX1 (1.9)	FNDC4 (1.8)	NYNRIN (1.6)	PLCG1 (1.5)
NCAN (2.4)	FNDC4 (2.0)	ENSG00000256731 (2	LPAR2 (1.9)	LPIN3 (1.8)
NCAN (2.4)	FNDC4 (2.0)	ENSG00000256731 (2	LPAR2 (1.9)	LPIN3 (1.8)
DNAH11 (2.4)	ENSG00000244861 (2	PVR (2.0)	ATXN1L (2.0)	POC5 (1.9)
ERGIC3 (2.2)	POLK (2.1)	PMFBP1 (2.1)	ATP13A1 (2.0)	IST1 (1.7)
MYLIP (1.7)	ENSG00000226648 (1	CELSR2 (1.4)	PBX4 (1.3)	EHBP1 (1.3)
DARS (2.9)	GRINA (2.1)	ENSG00000236436 (2	POC5 (2.0)	ZNF259 (1.9)
ABCG8 (1.8)	HNF1A (1.8)	GSTM5 (1.6)	APOA4 (1.4)	HAPLN4 (1.4)
SORT1 (2.4)	MAP3K4 (2.3)	USP24 (2.1)	ZNF821 (2.1)	BUD13 (1.8)
DOCK7 (2.0)	TOP1 (1.9)	USP24 (1.9)	GATAD2A (1.8)	NCAN (1.8)
ZNF821 (2.2)	PPM1G (2.0)	CARM1 (2.0)	DOCK7 (2.0)	GRINA (2.0)
IZUMO1 (2.2)	POLK (1.7)	ZNF513 (1.7)	TBKBP1 (1.5)	DNAH11 (1.5)
SNX17 (2.7)	KPNB1 (2.7)	USP24 (2.5)	CARM1 (2.2)	TOMM40 (2.2)
PSMA5 (2.7)	PPM1G (2.6)	ZNF259 (2.5)	NOP58 (2.4)	SUGP1 (2.4)
ENSG00000244861 (2	FADS1 (2.4)	CLPTM1 (2.3)	ATP13A1 (2.1)	BCAM (2.0)
USP1 (1.9)	CARM1 (1.8)	TOP1 (1.7)	MCM6 (1.7)	NPEPPS (1.7)
POLK (2.4)	POC5 (2.4)	PSRC1 (2.0)	USP1 (1.8)	MAU2 (1.7)
RAB3GAP1 (2.1)	HAVCR1 (1.9)	C19orf52 (1.9)	TXNL4B (1.8)	ZNF821 (1.8)
ENSG00000236436 (1	ENSG00000228044 (1	IZUMO1 (1.5)	TBKBP1 (1.5)	MAU2 (1.3)
ZRANB3 (2.5)	BUD13 (2.4)	USP1 (2.0)	CEP250 (1.7)	POC5 (1.7)

ZRANB3 (3.8)	POC5 (3.7)	USP1 (3.6)	NUP93 (2.0)	KPNB1 (1.4)
ENSG00000256731 (1	POLK (1.7)	ENSG00000226622 (1	SNX17 (1.6)	FGF21 (1.5)
IFT172 (2.2)	ENSG00000226645 (2	MAP3K4 (2.0)	TOMM40 (2.0)	DARS (1.7)
YIPF2 (1.9)	C19orf52 (1.8)	ERGIC3 (1.6)	PGS1 (1.6)	PSMA5 (1.6)
ABCA5 (1.5)	C17orf57 (1.4)	ABCA6 (1.4)	ENSG00000231204 (1	ATXN7L2 (1.3)
COL4A3BP (2.3)	PPM1G (2.3)	SUGP1 (2.2)	GRINA (2.2)	UBXN4 (2.1)
DOCK7 (2.1)	USP1 (1.9)	SUMO1 (1.9)	PPM1G (1.9)	DARS (1.6)
FGF21 (1.1)	FADS1 (1.0)	LPA (1.0)	DOCK6 (1.0)	PVRL2 (1.0)
TRIB1 (2.0)	BMPR2 (2.0)	NRBP1 (1.7)	POLK (1.7)	SORT1 (1.6)
NRBP1 (2.4)	LDLR (2.3)	CLPTM1 (2.3)	SNX17 (2.2)	ENSG00000226806 (1
GRINA (2.5)	FER1L4 (2.1)	FUT1 (2.1)	C11orf9 (2.0)	HAPLN4 (1.9)
OTX1 (2.0)	ENSG00000226806 (1	ENSG00000254235 (1	FNDC4 (1.5)	GSTM5 (1.5)
ZRANB3 (3.6)	POC5 (2.0)	NUP93 (1.9)	KPNB1 (1.6)	DARS (1.6)
ENSG00000244861 (2	PMFBP1 (2.0)	TSSK6 (1.8)	ENSG00000236436 (1	ABCA5 (1.7)
MAU2 (2.4)	NRBP1 (2.4)	BUD13 (2.2)	POC5 (2.1)	LPIN3 (2.0)
GOT2P1 (2.6)	GNAT2 (2.4)	ENSG00000236436 (2	ENSG00000226622 (2	GPR61 (2.0)
ST3GAL4 (1.6)	ABCA6 (1.6)	TXNL4B (1.6)	PBX4 (1.4)	ENSG00000226622 (1
C19orf52 (1.9)	SNX17 (1.8)	FGF21 (1.7)	MAU2 (1.7)	NRBP1 (1.6)
PMFBP1 (3.0)	SPATC1 (2.9)	DNAH11 (2.7)	IZUMO1 (2.6)	SUMO1 (2.3)
GOT2P1 (2.4)	TOMM40 (2.1)	C12orf43 (1.9)	ATXN7L2 (1.9)	ENSG00000236436 (1
C19orf52 (1.4)	PBX4 (1.4)	ENSG00000236267 (1	YSK4 (1.2)	APOC1 (1.2)
C19orf52 (1.4)	PBX4 (1.4)	ENSG00000236267 (1	YSK4 (1.2)	APOC1 (1.2)
C19orf52 (1.4)	PBX4 (1.4)	ENSG00000236267 (1	YSK4 (1.2)	APOC1 (1.2)
C19orf52 (1.4)	PBX4 (1.4)	ENSG00000236267 (1	YSK4 (1.2)	APOC1 (1.2)
TSSK6 (2.9)	EHBP1 (2.6)	ENSG00000231204 (2	NCAN (2.3)	CELSR2 (1.8)
ENSG00000244861 (2	ENSG00000226648 (2	DNAH11 (1.9)	FUT2 (1.8)	PMFBP1 (1.8)
SORT1 (2.0)	GMIP (2.0)	PVRL2 (1.8)	ZNF821 (1.8)	PSRC1 (1.7)
PVR (2.1)	GRINA (2.1)	NRBP1 (2.1)	CLPTM1 (2.1)	CELSR2 (1.9)
ST3GAL4 (1.7)	CYB561D1 (1.5)	IST1 (1.5)	GSTM4 (1.3)	ENSG00000228044 (1
ATP13A1 (1.9)	HAVCR1 (1.7)	SARS (1.6)	TXNL4B (1.5)	PGS1 (1.5)
TRIB1 (1.7)	TSSK6 (1.6)	FGF21 (1.5)	APOB (1.4)	ST3GAL4 (1.4)
POC5 (2.3)	SUGP1 (2.2)	NFE2L3 (2.1)	LPIN3 (1.8)	ENSG00000226622 (1
ZNF513 (1.8)	C19orf52 (1.7)	BMPR2 (1.7)	ZNF821 (1.6)	SMARCA4 (1.6)
COL4A3BP (2.0)	GNAI3 (2.0)	HAVCR1 (1.8)	SMARCA4 (1.6)	IST1 (1.6)
RAB3GAP1 (2.9)	SUMO1 (2.8)	ZNF259 (2.8)	DARS (2.7)	ZNF513 (2.7)
C12orf43 (2.4)	DHX38 (2.3)	ZNF259 (1.9)	TBKBP1 (1.7)	TOMM40 (1.7)
SLC44A2 (2.0)	PLCG1 (2.0)	GNAT2 (1.5)	KPNB1 (1.4)	MAMSTR (1.4)
OTX1 (2.2)	MAFB (1.8)	SLC44A2 (1.7)	PVRL2 (1.6)	C17orf57 (1.5)
ZHX3 (1.8)	ABCG5 (1.6)	RAB3GAP1 (1.6)	FGF21 (1.5)	SLC22A3 (1.4)
FUT1 (2.3)	EHBP1 (2.2)	UBXN4 (2.1)	POLK (2.1)	TOP1 (1.8)
IFT172 (2.0)	ATXN1L (1.7)	GSTM5 (1.7)	KANK2 (1.7)	MAP3K4 (1.5)
TIMD4 (2.4)	CETP (2.4)	SLC22A3 (2.1)	ABCA6 (2.0)	NFE2L3 (1.5)
SUMO1 (2.1)	TXNL4B (2.0)	SYPL2 (1.8)	SPATC1 (1.6)	PMFBP1 (1.6)
GATAD2A (1.9)	LPAR2 (1.8)	NCAN (1.8)	MAP3K4 (1.7)	PBX4 (1.7)
OBP2B (2.5)	SLC22A2 (2.4)	NCAN (1.9)	SORT1 (1.9)	CELSR2 (1.6)
OBP2B (2.5)	SLC22A2 (2.4)	NCAN (1.9)	SORT1 (1.9)	CELSR2 (1.6)
IFT172 (2.1)	CYP26A1 (2.1)	TBKBP1 (1.6)	MYLIP (1.6)	ENSG00000182329 (1
BCAM (2.0)	GDF5 (1.9)	GPR61 (1.8)	CELSR2 (1.8)	SYPL2 (1.8)
IFT172 (2.4)	MAP3K4 (2.1)	BMPR2 (2.0)	PLEC (1.9)	DHX38 (1.9)
ABCA5 (2.4)	LDLR (2.2)	YIPF2 (2.2)	ERGIC3 (1.9)	HMGCR (1.9)

NOP58 (2.9)	TOMM40 (2.7)	POC5 (2.6)	C19orf52 (2.2)	AMPD2 (2.0)
SYPL2 (1.8)	CILP2 (1.8)	KRTCAP3 (1.8)	LPAL2 (1.7)	ENSG00000226645 (1
NRBP1 (1.9)	TOP1 (1.7)	MAP3K4 (1.7)	NPEPPS (1.7)	ENSG00000226806 (1
GPR61 (3.1)	ENSG00000226645 (2	AMIGO1 (2.4)	CELSR2 (2.0)	ENSG00000231204 (2
ENSG00000228044 (2	DNAH11 (2.2)	BUD13 (2.0)	USP1 (1.9)	C19orf52 (1.9)
LPIN3 (2.7)	MCM6 (2.5)	SUGP1 (2.4)	IFT172 (1.7)	LPAR2 (1.7)
LPIN3 (2.7)	MCM6 (2.5)	SUGP1 (2.4)	IFT172 (1.7)	LPAR2 (1.7)
PGS1 (1.9)	NCAN (1.9)	PLEC (1.5)	MAP3K4 (1.4)	NPEPPS (1.3)
C11orf9 (1.8)	CBLC (1.7)	CELSR2 (1.6)	IGF2R (1.5)	HNF4A (1.5)
C11orf9 (1.8)	CBLC (1.7)	CELSR2 (1.6)	IGF2R (1.5)	HNF4A (1.5)
GPAM (1.8)	C11orf9 (1.8)	AMPD2 (1.6)	CELSR2 (1.4)	PGS1 (1.4)
LPAR2 (2.4)	PVRL2 (2.3)	PLEC (2.2)	GATAD2A (2.2)	FNDC4 (2.1)
YSK4 (1.9)	COL4A3BP (1.8)	HNF1A (1.7)	ENSG00000236436 (1	RP1 (1.6)
LIPG (1.6)	CYP26A1 (1.5)	HNF4A (1.3)	GRINA (1.3)	PBX4 (1.2)
C17orf57 (2.0)	ENSG00000226645 (1	BMPR2 (1.7)	ENSG00000244861 (1	C19orf52 (1.4)
PPM1G (2.9)	DHX38 (2.4)	RAB3GAP1 (2.3)	TOP1 (2.3)	TOMM40 (2.2)
RASIP1 (2.2)	GNAT2 (2.2)	CETP (2.2)	DOCK6 (2.1)	SLC22A3 (1.8)
CYB561D1 (2.7)	ZNF513 (2.5)	TSSK6 (1.9)	NFE2L3 (1.8)	C12orf43 (1.8)
ZHX3 (2.5)	AMPD2 (2.4)	USP24 (2.4)	DOCK6 (2.2)	RASIP1 (2.1)
C17orf57 (2.1)	HAVCR1 (1.7)	ABCA5 (1.7)	SORT1 (1.6)	CARM1 (1.4)
MCM6 (3.8)	USP1 (3.6)	POC5 (3.4)	NUP93 (1.9)	KPNB1 (1.4)
UBXN4 (2.5)	NPEPPS (2.3)	COL4A3BP (2.2)	POC5 (2.1)	PSRC1 (1.9)
SMARCA4 (2.1)	MYLIP (1.8)	KANK2 (1.8)	TRIB1 (1.6)	C19orf52 (1.6)
ENSG00000256731 (2	ENSG00000226648 (2	GATAD2A (1.9)	MAMSTR (1.9)	BCAM (1.9)
SMARCA4 (2.0)	EHBP1 (2.0)	IGF2R (1.9)	NRBP1 (1.8)	MAU2 (1.6)
GSTM5 (1.9)	KPNB1 (1.7)	CARM1 (1.4)	ENSG00000244861 (1	GPAM (1.4)
LCT (1.9)	GSTM4 (1.9)	TRIB1 (1.7)	ENSG00000226622 (1	LDLR (1.5)
SYPL2 (2.4)	CILP2 (1.9)	SPATC1 (1.7)	RP1 (1.6)	CYB561D1 (1.6)
ST3GAL4 (1.9)	RELB (1.8)	PARP10 (1.8)	GMIP (1.4)	ABCA6 (1.4)
NRBP1 (2.4)	FUT1 (2.4)	FUT2 (2.0)	SNX17 (1.9)	LPIN3 (1.9)
NRBP1 (2.2)	ABCA6 (1.9)	PVRL2 (1.7)	POLK (1.6)	EHBP1 (1.6)
ST3GAL4 (2.1)	ATXN7L2 (2.0)	PGS1 (1.7)	ENSG00000236267 (1	TBKBP1 (1.5)
SMARCA4 (2.6)	MAP3K4 (2.6)	CEP250 (2.2)	USP1 (2.1)	AMPD2 (2.0)
YSK4 (2.5)	ABCA5 (2.0)	MAFB (1.9)	FER1L4 (1.9)	PLEC (1.8)
IZUMO1 (2.1)	ENSG00000226645 (2	ZNF513 (1.9)	DNAH11 (1.7)	TBKBP1 (1.7)
TRIM54 (2.4)	COL4A3BP (2.0)	TXNL4B (1.8)	C17orf57 (1.7)	NFE2L3 (1.7)
DNAH11 (1.7)	ST3GAL4 (1.6)	ENSG00000254235 (1	IGF2R (1.5)	HNF1A (1.5)
DNAH11 (1.7)	ST3GAL4 (1.6)	ENSG00000254235 (1	IGF2R (1.5)	HNF1A (1.5)
ATXN1L (2.0)	IGF2R (1.9)	SLC22A2 (1.9)	SORT1 (1.8)	BMPR2 (1.8)
TRAM2 (2.1)	PMFBP1 (1.8)	ST3GAL4 (1.7)	ENSG00000182329 (1	ATXN1L (1.2)
OBP2B (2.2)	FGF21 (2.1)	ENSG00000182329 (2	ENSG00000231204 (1	DOCK7 (1.9)
RELB (1.7)	ST3GAL4 (1.7)	PARP10 (1.7)	MYLIP (1.4)	ABCA6 (1.4)
ENSG00000228044 (2	ENSG00000256731 (1	ENSG00000236267 (1	AMIGO1 (1.7)	GSTM4 (1.6)
IZUMO1 (1.9)	ST3GAL4 (1.9)	TBKBP1 (1.8)	KANK2 (1.8)	AMIGO1 (1.8)
AMPD2 (2.1)	FUT2 (1.8)	YSK4 (1.8)	FNDC4 (1.6)	FUT1 (1.6)
IZUMO1 (2.1)	LPAR2 (2.0)	ABCA6 (1.9)	C12orf43 (1.7)	CBLC (1.7)
GATAD2A (2.6)	CLPTM1 (2.5)	ZNF513 (2.3)	SNX17 (2.2)	LPAR2 (2.0)
ZNF821 (1.6)	NCAN (1.6)	TBKBP1 (1.5)	PCSK9 (1.5)	MAMSTR (1.5)
ZRANB3 (2.0)	AMIGO1 (1.9)	MCM6 (1.7)	FEN1 (1.7)	TM6SF2 (1.7)
FUT1 (2.0)	TSSK6 (1.9)	ENSG00000254235 (1	YIPF2 (1.9)	RAB3GAP1 (1.8)

MCM6 (3.7)	POC5 (3.6)	USP1 (3.5)	NUP93 (2.0)	KPNB1 (1.3)
ST3GAL4 (2.3)	ABO (2.2)	GPR61 (2.1)	TBKBP1 (2.0)	DOCK6 (1.9)
FNDC4 (1.6)	CELSR2 (1.6)	C12orf43 (1.6)	HAVCR1 (1.5)	DNAH11 (1.5)
SMARCA4 (2.3)	PPM1G (2.1)	BUD13 (1.9)	RAB3GAP1 (1.9)	TRIB1 (1.8)
DOCK7 (2.7)	IFT172 (2.1)	FADS1 (2.0)	KANK2 (1.9)	IGF2R (1.9)
TOMM40 (3.1)	DARS (3.0)	DHODH (2.8)	SARS (2.5)	TOP1 (2.4)
TBKBP1 (1.2)	PARP10 (1.2)	ENSG00000226648 (1	SYPL2 (1.1)	SARS (1.1)
ZRANB3 (3.8)	POC5 (3.5)	USP1 (3.4)	NUP93 (1.8)	ENSG00000226648 (1
PLEC (1.8)	SUMO1 (1.6)	HNF4A (1.4)	ENSG00000226806 (1	GNAI3 (1.4)
HAPLN4 (2.2)	DOCK7 (1.8)	SORT1 (1.7)	USP24 (1.7)	MAFB (1.5)
NRBP1 (2.3)	COL4A3BP (2.1)	SNX17 (2.0)	SARS (1.9)	RAB3GAP1 (1.9)
C19orf52 (1.9)	DOCK7 (1.8)	IST1 (1.7)	SMARCA4 (1.7)	ATP13A1 (1.6)
ENSG00000226648 (1	PLEC (1.4)	CEP250 (1.2)	HMGCR (1.2)	PVR (1.1)
FUT2 (2.6)	ATP13A1 (2.5)	GRINA (2.4)	SLC44A2 (2.2)	HAPLN4 (2.0)
IST1 (2.7)	PSMA5 (2.4)	GNAI3 (2.4)	NRBP1 (2.4)	ZNF259 (2.0)
GSTM4 (2.0)	LPAR2 (1.8)	RELB (1.7)	ENSG00000226645 (1	CYB561D1 (1.6)
MCM6 (3.0)	LPIN3 (1.9)	ZRANB3 (1.7)	USP1 (1.7)	IFT172 (1.4)
PPM1G (2.4)	MAP3K4 (2.3)	TXNL4B (2.2)	DHX38 (2.2)	SUGP1 (2.2)
GATAD2A (1.8)	TRAM2 (1.8)	GNAT2 (1.7)	GNAI3 (1.6)	OTX1 (1.6)
R3HDM1 (2.2)	AMIGO1 (2.1)	CARM1 (1.9)	ENSG00000226645 (1	EHBP1 (1.7)
PSRC1 (2.8)	ZRANB3 (2.7)	CEP250 (2.0)	MAP3K4 (1.9)	EHBP1 (1.8)
CYP26A1 (2.0)	AMIGO1 (1.9)	GDF5 (1.8)	CBLC (1.7)	FUT2 (1.3)
PCSK9 (2.8)	LIPG (2.4)	PMFBP1 (2.1)	HMGCR (2.0)	LDLR (2.0)
FNDC4 (2.1)	SORT1 (1.9)	OTX1 (1.9)	FGF21 (1.7)	TSSK6 (1.7)
POC5 (3.6)	ZRANB3 (3.6)	USP1 (3.5)	NUP93 (2.1)	ENSG00000228044 (1
COL4A3BP (2.4)	CARM1 (2.2)	NRBP1 (1.8)	HNF1A (1.7)	USP24 (1.7)
ENSG00000226645 (1	HNF4A (1.5)	FUT2 (1.4)	BUD13 (1.3)	GOT2P1 (1.3)
PMFBP1 (2.1)	ZHX3 (2.1)	SLC22A3 (1.9)	YSK4 (1.7)	ENSG00000236267 (1
SNX17 (2.0)	C17orf57 (1.8)	HNF1A (1.7)	KANK2 (1.7)	NRBP1 (1.6)
POC5 (2.9)	ZRANB3 (1.7)	USP1 (1.7)	LPIN3 (1.7)	CBLC (1.3)
ZNF821 (1.7)	PLEC (1.6)	GDF5 (1.4)	ENSG00000236267 (1	ATXN7L2 (1.3)
ZNF513 (2.0)	CYB561D1 (2.0)	FUT1 (2.0)	FGF21 (1.5)	GNAI3 (1.4)
AMPD2 (2.3)	PSRC1 (2.2)	BUD13 (2.1)	GMIP (2.0)	FUT2 (2.0)
C17orf57 (2.0)	SORT1 (1.6)	HAVCR1 (1.5)	ABCA5 (1.5)	CARM1 (1.3)
AMIGO1 (1.8)	ENSG00000226645 (1	CETP (1.4)	DOCK6 (1.4)	LIPG (1.4)
OTX1 (1.7)	CLPTM1 (1.7)	EHBP1 (1.7)	GATAD2A (1.6)	YSK4 (1.6)
DHODH (2.2)	SYPL2 (2.1)	TXNL4B (2.0)	IST1 (1.8)	ENSG00000236436 (1
POC5 (2.5)	FEN1 (2.3)	MCM6 (2.2)	NUP93 (2.1)	USP1 (2.1)
SUMO1 (2.5)	NRBP1 (2.4)	ENSG00000256731 (2	IST1 (2.3)	SUGP1 (1.9)
SNX17 (2.2)	AMPD2 (2.2)	NRBP1 (2.2)	PSMA5 (2.1)	POC5 (2.0)
R3HDM1 (1.8)	GPR61 (1.7)	TBKBP1 (1.5)	ENSG00000235545 (1	NCAN (1.4)
SARS (2.9)	POC5 (2.4)	AMPD2 (2.2)	C19orf52 (2.1)	TOMM40 (2.1)
C11orf9 (2.8)	ABCG8 (2.7)	TM6SF2 (2.3)	APOC3 (2.2)	YIPF2 (1.9)
CELSR2 (1.8)	ABCA5 (1.6)	C12orf43 (1.6)	SLC44A2 (1.5)	ENSG00000182329 (1
IFT172 (3.2)	OBP2B (1.9)	IZUMO1 (1.9)	PSRC1 (1.8)	ENSG00000236267 (1
DARS (2.0)	MAP3K4 (1.9)	C19orf52 (1.9)	PSMA5 (1.8)	NUP93 (1.7)
LCT (2.2)	LPAR2 (2.0)	TM6SF2 (2.0)	APOA4 (1.8)	FGF21 (1.7)
HNF1A (1.9)	ENSG00000236436 (1	SLC22A3 (1.6)	C17orf57 (1.5)	FUT2 (1.5)
ENSG00000226806 (1	TIMD4 (1.7)	ABCA6 (1.6)	FGF21 (1.6)	SNX17 (1.6)
ENSG00000226645 (1	MAP3K4 (1.8)	BCAM (1.8)	TBKBP1 (1.7)	BMPR2 (1.7)

IST1 (1.9)	NOP58 (1.7)	DARS (1.7)	CYP26A1 (1.7)	NPEPPS (1.7)
DARS (1.9)	KRTCAP3 (1.8)	SUGP1 (1.6)	FEN1 (1.6)	POLK (1.6)
DARS (1.9)	KRTCAP3 (1.8)	SUGP1 (1.6)	FEN1 (1.6)	POLK (1.6)
ZHX3 (1.8)	TOMM40 (1.7)	DNAH11 (1.6)	BUD13 (1.5)	TRAM2 (1.5)
PPM1G (2.0)	POC5 (2.0)	ZNF259 (1.7)	GOT2P1 (1.7)	C19orf52 (1.6)
DHODH (2.9)	NUP93 (2.8)	ATXN1L (2.7)	IST1 (2.2)	FEN1 (2.2)
PARP10 (2.1)	MAP3K4 (2.1)	C19orf52 (2.0)	PPM1G (1.8)	C17orf57 (1.6)
FUT2 (1.9)	FUT1 (1.7)	ENSG00000244861 (1	ABO (1.6)	FNDC4 (1.6)
ABO (2.1)	COL4A3BP (2.0)	FUT2 (2.0)	HAPLN4 (1.9)	ENSG00000228044 (1
ATXN7L2 (2.1)	C12orf43 (2.1)	PPM1G (2.0)	ERGIC3 (1.8)	IFT172 (1.8)
MAU2 (2.1)	GATAD2A (2.0)	TOP1 (1.9)	USP24 (1.7)	SUMO1 (1.7)
YSK4 (1.9)	DNAH11 (1.8)	NRBP1 (1.8)	BMPR2 (1.7)	SNX17 (1.5)
ZRANB3 (3.2)	NUP93 (3.0)	CEP250 (2.9)	PPM1G (2.1)	POC5 (2.0)
R3HDM1 (2.1)	CYB561D1 (2.0)	ZRANB3 (1.7)	SNX17 (1.6)	MAU2 (1.5)
ENSG00000226648 (2	ENSG00000236267 (1	LCT (1.9)	KANK2 (1.7)	OBP2B (1.6)
GNAT2 (2.2)	ENSG00000226648 (2	SNX17 (1.9)	ST3GAL4 (1.9)	GSTM5 (1.7)
PVRL2 (1.8)	ENSG00000226645 (1	TRAM2 (1.7)	TSSK6 (1.7)	OBP2B (1.6)
PVRL2 (1.8)	ENSG00000226645 (1	TRAM2 (1.7)	TSSK6 (1.7)	OBP2B (1.6)
TOMM40 (1.9)	DHODH (1.9)	ZNF821 (1.9)	YIPF2 (1.8)	PVR (1.6)
ERGIC3 (2.0)	TSSK6 (1.6)	ENSG00000182329 (1	SPATC1 (1.3)	DOCK7 (1.3)
LPIN3 (2.6)	IFT172 (2.5)	SUGP1 (2.3)	ZRANB3 (2.2)	FEN1 (2.2)
SNX17 (1.9)	CEP250 (1.8)	FGF21 (1.8)	NUP93 (1.7)	MCM6 (1.7)
PMFBP1 (2.1)	ENSG00000231204 (2	TSSK6 (1.8)	SYPL2 (1.8)	ENSG00000182329 (1
PBX4 (1.7)	LPAL2 (1.5)	ST3GAL4 (1.4)	NFE2L3 (1.4)	IZUMO1 (1.4)
OTX1 (2.2)	ATXN7L2 (1.9)	EHBP1 (1.7)	DNAH11 (1.7)	FNDC4 (1.6)
CILP2 (1.9)	PVRL2 (1.5)	RAB3GAP1 (1.5)	GOT2P1 (1.4)	DOCK7 (1.4)
MAP3K4 (2.6)	SORT1 (2.4)	FUT1 (1.8)	BUD13 (1.8)	PLCG1 (1.8)
TSSK6 (1.6)	POC5 (1.2)	ENSG00000226645 (1	IZUMO1 (1.2)	IFT172 (1.2)
ZRANB3 (3.7)	POC5 (3.7)	USP1 (3.6)	NUP93 (1.8)	KPNB1 (1.3)
TOP1 (2.3)	MAP3K4 (2.2)	NUP93 (1.8)	ZNF259 (1.7)	DARS (1.6)
ZRANB3 (3.0)	PSRC1 (2.8)	KANK2 (2.2)	CEP250 (2.1)	ATXN1L (1.7)
TOMM40 (2.9)	GNAI3 (2.6)	UBXN4 (2.3)	DOCK7 (2.2)	ENSG00000236267 (1
C12orf43 (2.0)	HAPLN4 (2.0)	GDF5 (1.9)	DNAH11 (1.8)	SORT1 (1.8)
POC5 (4.0)	MCM6 (3.8)	USP1 (3.5)	NUP93 (2.0)	KPNB1 (1.4)
PPM1G (2.2)	AMIGO1 (2.2)	SPATC1 (1.9)	C19orf52 (1.7)	IZUMO1 (1.6)
OBP2B (2.3)	HAVCR1 (2.2)	ENSG00000231204 (1	C19orf52 (1.7)	LPIN3 (1.6)
DHODH (1.7)	GSTM4 (1.5)	ENSG00000226645 (1	ENSG00000244861 (1	UBXN4 (1.5)
ATP13A1 (1.7)	TOMM40 (1.6)	IFT172 (1.4)	SNX17 (1.3)	ENSG00000244861 (1
IGF2R (2.3)	GPR61 (2.1)	DOCK6 (1.8)	PVRL2 (1.8)	PVR (1.7)
TOP1 (1.6)	ENSG00000235545 (1	CELSR2 (1.5)	DHODH (1.5)	POC5 (1.4)
MYLIP (2.1)	ATXN7L2 (2.1)	FUT2 (1.9)	ZNF513 (1.8)	KRTCAP3 (1.5)
CETP (1.9)	ZNF513 (1.9)	ABCA6 (1.8)	SPATC1 (1.6)	ENSG00000226806 (1
CEP250 (2.4)	MAP3K4 (2.4)	NYNRIN (2.3)	MCM6 (2.3)	NUP93 (2.3)
OBP2B (2.6)	SLC22A2 (2.4)	NCAN (2.1)	SORT1 (1.9)	CELSR2 (1.5)
NCAN (1.6)	C19orf52 (1.6)	ZHX3 (1.5)	ENSG00000236436 (1	OBP2B (1.4)
BCAM (2.6)	IZUMO1 (2.3)	OBP2B (2.2)	ZNF821 (2.1)	LIPG (1.9)
TRIM54 (1.8)	GDF5 (1.7)	GSTM5 (1.7)	KANK2 (1.6)	SYPL2 (1.6)
ERGIC3 (1.8)	SUGP1 (1.7)	MYLIP (1.6)	KPNB1 (1.6)	GATAD2A (1.3)
CYP26A1 (1.4)	MYLIP (1.3)	DNAH11 (1.2)	KANK2 (1.2)	ENSG00000235545 (1
ENSG00000254235 (2	ATXN7L2 (2.4)	SYPL2 (2.3)	CELSR2 (2.1)	PLCG1 (2.0)

C17orf57 (2.0)	IFT172 (1.9)	MYLIP (1.7)	MAP3K4 (1.6)	PLCG1 (1.5)
TSSK6 (1.8)	YSK4 (1.8)	GSTM5 (1.6)	DNAH11 (1.6)	GOT2P1 (1.3)
PPM1G (1.9)	GATAD2A (1.9)	GNAI3 (1.9)	SMARCA4 (1.9)	NOP58 (1.9)
CEP250 (3.9)	USP1 (3.2)	KPNB1 (2.8)	MAP3K4 (2.2)	NUP93 (2.2)
IST1 (1.6)	SNX17 (1.5)	HAVCR1 (1.5)	RAB3GAP1 (1.4)	FUT2 (1.4)
IST1 (1.6)	SNX17 (1.5)	HAVCR1 (1.5)	RAB3GAP1 (1.4)	FUT2 (1.4)
HNF1A (1.8)	ABCG8 (1.7)	GSTM5 (1.6)	ENSG00000231204 (1	COL4A3BP (1.4)
IST1 (1.9)	HAVCR1 (1.9)	LPIN3 (1.7)	GMIP (1.6)	ENSG00000244861 (1
SLC22A3 (2.4)	ATXN7L2 (2.4)	COL4A3BP (2.1)	SYPL2 (2.0)	GDF5 (2.0)
FEN1 (3.0)	NUP93 (2.6)	KPNB1 (2.4)	USP1 (2.3)	SUGP1 (2.3)
MAP3K4 (2.0)	CEP250 (1.8)	PPM1G (1.8)	IFT172 (1.7)	KPNB1 (1.5)
CETP (2.2)	FADS2 (2.0)	GOT2P1 (1.9)	TBKBP1 (1.8)	TIMD4 (1.7)
MCM6 (3.8)	USP1 (3.6)	POC5 (3.5)	NUP93 (2.0)	KPNB1 (1.3)
GRINA (1.6)	ATP13A1 (1.6)	MAP3K4 (1.5)	LPAR2 (1.3)	USP24 (1.3)
HNF1A (1.9)	IFT172 (1.6)	MYLIP (1.5)	R3HDM1 (1.4)	ZNF513 (1.4)
SYPL2 (2.2)	LPL (2.1)	POC5 (2.0)	ENSG00000226648 (1	OTX1 (1.6)
ENSG00000226622 (1	LIPG (1.7)	PSRC1 (1.6)	KRTCAP3 (1.6)	ABCA6 (1.5)
SMARCA4 (1.8)	ABCA6 (1.7)	ENSG00000235545 (1	AMIGO1 (1.6)	FGF21 (1.6)
SUMO1 (2.5)	NPEPPS (2.3)	DHX38 (2.2)	ZNF821 (2.2)	BUD13 (2.2)
OBP2B (2.0)	DNAH11 (1.5)	GMIP (1.5)	GSTM4 (1.5)	ST3GAL4 (1.5)
ABCA5 (1.9)	ENSG00000182329 (1	CELSR2 (1.8)	R3HDM1 (1.7)	C11orf9 (1.6)
DHX38 (2.3)	PPM1G (2.1)	C19orf52 (1.9)	IFT172 (1.7)	ZNF259 (1.7)
SORT1 (2.4)	BUD13 (2.3)	EHBP1 (2.2)	AMPD2 (2.1)	LPAR2 (1.9)
GRINA (1.7)	BCAM (1.6)	SLC44A2 (1.6)	SORT1 (1.6)	ERGIC3 (1.5)
GATAD2A (2.6)	GRINA (2.4)	GMIP (2.2)	SNX17 (2.0)	RELB (1.9)
NCAN (2.7)	ATXN7L2 (1.9)	PLEC (1.8)	PBX4 (1.8)	CLPTM1 (1.7)
ZNF513 (2.1)	ENSG00000226645 (2	ATXN1L (1.8)	MAP3K4 (1.7)	CYP26A1 (1.6)
RP1 (1.9)	ENSG00000226622 (1	GRINA (1.6)	NYNRIN (1.5)	ENSG00000231204 (1
LPAR2 (2.3)	ZNF513 (2.2)	GRINA (1.9)	CARM1 (1.8)	PARP10 (1.8)
GPR61 (2.2)	ENSG00000226645 (2	PLEC (1.7)	FUT1 (1.7)	NPEPPS (1.7)
ENSG00000226645 (2	ENSG00000236436 (2	ENSG00000235545 (2	PBX4 (1.8)	MAFB (1.7)
FUT1 (2.3)	AMIGO1 (2.3)	FNDC4 (1.9)	EHBP1 (1.9)	CBLC (1.7)
POC5 (1.9)	NUP93 (1.9)	ZNF821 (1.8)	SNX17 (1.8)	PPM1G (1.7)
FNDC4 (2.1)	PLEC (2.0)	PVR (1.8)	KANK2 (1.8)	GNAI3 (1.6)
TOMM40 (1.9)	PSMA5 (1.8)	MYLIP (1.8)	DHODH (1.5)	USP24 (1.5)
NYNRIN (1.8)	ZNF513 (1.7)	ABO (1.7)	OBP2B (1.6)	CELSR2 (1.3)
C17orf57 (2.1)	POC5 (2.0)	MAMSTR (2.0)	BUD13 (2.0)	ENSG00000226645 (1
EHBP1 (2.3)	TRIB1 (2.1)	PVR (2.0)	CILP2 (1.9)	PVRL2 (1.9)
SARS (2.5)	DARS (2.4)	GNAI3 (2.3)	ENSG00000236436 (2	UBXN4 (1.9)
ERGIC3 (2.1)	CLPTM1 (2.1)	CYB561D1 (1.9)	NCAN (1.9)	HMGCR (1.7)
NCAN (2.1)	FUT1 (2.1)	RASIP1 (1.9)	ABCA1 (1.9)	GMIP (1.8)
UBXN4 (2.4)	NFE2L3 (2.0)	SUGP1 (2.0)	POLK (2.0)	NUP93 (1.9)
SYPL2 (2.6)	MCM6 (2.5)	LPIN3 (2.4)	SLC22A1 (2.2)	LPA (1.9)
PMFBP1 (2.2)	SLC22A3 (2.1)	ZHX3 (2.0)	YSK4 (1.9)	ENSG00000231204 (1
DNAH11 (1.9)	GSTM5 (1.9)	GMIP (1.5)	GSTM4 (1.5)	ST3GAL4 (1.3)
GMIP (1.8)	SLC22A3 (1.6)	OTX1 (1.6)	SORT1 (1.6)	FER1L4 (1.6)
MAMSTR (1.9)	ZHX3 (1.7)	ABCA5 (1.6)	BMPR2 (1.5)	ABO (1.5)
ERGIC3 (2.1)	ATP13A1 (1.7)	CEP250 (1.5)	SUMO1 (1.4)	PMFBP1 (1.3)
NCAN (1.9)	GSTM5 (1.9)	FADS2 (1.8)	GNAI3 (1.7)	ZHX3 (1.6)
ZNF259 (2.5)	SARS (2.4)	TOP1 (2.0)	GATAD2A (1.9)	C12orf43 (1.7)

CLPTM1 (2.0)	SORT1 (2.0)	PSMA5 (1.7)	IGF2R (1.5)	SLC44A2 (1.3)
C12orf43 (2.3)	POC5 (2.3)	CYB561D1 (2.0)	IST1 (1.8)	C17orf57 (1.8)
MCM6 (3.7)	POC5 (3.7)	USP1 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
FUT1 (2.0)	UBXN4 (1.9)	C19orf52 (1.8)	CARM1 (1.8)	NUP93 (1.8)
PBX4 (1.7)	SPATC1 (1.6)	ENSG00000244861 (1	TIMD4 (1.6)	ENSG00000228044 (1
NUP93 (1.7)	MAU2 (1.6)	CEP250 (1.5)	LPAR2 (1.4)	MCM6 (1.4)
YSK4 (2.2)	ABO (1.7)	DOCK7 (1.6)	LCT (1.6)	FADS2 (1.5)
ENSG00000182329 (2	MAMSTR (2.1)	ENSG00000231204 (2	ABCA6 (2.0)	IFT172 (1.8)
ABO (2.0)	ENSG00000226806 (2	FUT2 (1.8)	PBX4 (1.6)	CYP26A1 (1.6)
GPR61 (2.4)	CLPTM1 (2.0)	OTX1 (1.9)	FUT2 (1.9)	ABCA5 (1.8)
HAVCR1 (1.8)	C17orf57 (1.7)	ENSG00000231204 (1	PBX4 (1.5)	IZUMO1 (1.4)
GRINA (1.9)	PBX4 (1.6)	SLC22A2 (1.6)	KPNB1 (1.5)	PVR (1.4)
NRBP1 (2.3)	GNAI3 (2.3)	CEP250 (2.2)	SNX17 (2.0)	SYPL2 (1.9)
BCAM (2.4)	CYP26A1 (2.3)	ATXN7L2 (2.0)	PVRL2 (1.9)	FER1L4 (1.8)
ZHX3 (1.7)	FER1L4 (1.6)	C11orf9 (1.6)	AMIGO1 (1.4)	MAFB (1.3)
ZHX3 (2.2)	ENSG00000236436 (2	IFT172 (2.1)	ATXN1L (2.0)	OBP2B (1.9)
CELSR2 (1.9)	DNAH11 (1.8)	OTX1 (1.7)	AMIGO1 (1.6)	SPATC1 (1.6)
APOE (1.7)	MYLIP (1.3)	RELB (1.3)	PARP10 (1.0)	APOC1 (0.9)
GNAI3 (2.5)	ATXN1L (2.1)	RAB3GAP1 (2.0)	CLPTM1 (1.9)	C17orf57 (1.7)
ENSG00000226622 (1	NFE2L3 (1.5)	IZUMO1 (1.4)	ENSG00000235545 (1	SPATC1 (1.3)
SLC22A3 (2.3)	ENSG00000256731 (2	GRINA (1.8)	APOC1 (1.6)	ABCA6 (1.6)
C12orf43 (1.8)	GSTM4 (1.7)	HAVCR1 (1.6)	ZHX3 (1.5)	LPL (1.4)
ATXN1L (2.8)	DHODH (2.6)	NUP93 (2.5)	DHX38 (2.4)	ST3GAL4 (2.3)
NUP93 (3.1)	POLK (2.5)	USP1 (2.5)	KPNB1 (2.5)	DHODH (2.4)
ENSG00000236436 (1	LPIN3 (1.5)	KANK2 (1.5)	DOCK7 (1.5)	BMPR2 (1.4)
DOCK6 (1.9)	NYNRIN (1.9)	IZUMO1 (1.8)	GSTM5 (1.8)	GPR61 (1.6)
GNAI3 (2.2)	POLK (1.9)	APOE (1.9)	SUMO1 (1.5)	NRBP1 (1.5)
ABCA5 (2.1)	SORT1 (1.9)	CLPTM1 (1.8)	TXNL4B (1.7)	ZNF259 (1.7)
ATP13A1 (1.8)	CYB561D1 (1.7)	CLPTM1 (1.6)	HMGCR (1.6)	ATXN1L (1.5)
IGF2R (1.6)	PCSK9 (1.5)	R3HDM1 (1.5)	PMFBP1 (1.5)	HAPLN4 (1.4)
HAVCR1 (1.1)	ENSG00000244861 (1	GPAM (1.0)	ERGIC3 (1.0)	TOMM40 (1.0)
HAVCR1 (1.1)	ENSG00000244861 (1	GPAM (1.0)	ERGIC3 (1.0)	TOMM40 (1.0)
CEP250 (2.4)	USP1 (2.3)	FEN1 (2.0)	KPNB1 (1.8)	GATAD2A (1.7)
CEP250 (2.4)	USP1 (2.3)	FEN1 (2.0)	KPNB1 (1.8)	GATAD2A (1.7)
CELSR2 (2.1)	CEP250 (2.0)	IFT172 (2.0)	MAU2 (1.9)	IZUMO1 (1.7)
ENSG00000182329 (1	PVRL2 (1.7)	ENSG00000226806 (1	ENSG00000226648 (1	KANK2 (1.3)
C12orf43 (2.6)	AMPD2 (2.3)	FUT1 (2.2)	IFT172 (2.2)	GNAT2 (2.1)
MCM6 (3.9)	POC5 (3.7)	USP1 (3.7)	NUP93 (2.0)	KPNB1 (1.4)
GNAI3 (2.3)	USP24 (2.3)	IST1 (2.1)	SUGP1 (2.1)	MCM6 (2.0)
RAB3GAP1 (2.2)	ATXN1L (2.1)	HAPLN4 (2.0)	DHX38 (1.8)	ENSG00000231204 (1
SARS (1.9)	C19orf80 (1.8)	DOCK7 (1.6)	KPNB1 (1.6)	FUT1 (1.6)
IST1 (2.3)	FUT1 (2.2)	NPEPPS (1.8)	ZNF821 (1.8)	OTX1 (1.7)
TSSK6 (2.8)	ENSG00000231204 (2	ENSG00000182329 (2	PBX4 (2.2)	CELSR2 (2.1)
BUD13 (2.3)	SUMO1 (2.3)	C19orf52 (2.3)	USP1 (2.3)	TOP1 (2.1)
BUD13 (2.3)	SUMO1 (2.3)	C19orf52 (2.3)	USP1 (2.3)	TOP1 (2.1)
BUD13 (2.3)	SUMO1 (2.3)	C19orf52 (2.3)	USP1 (2.3)	TOP1 (2.1)
OTX1 (1.7)	ABCA1 (1.6)	MYLIP (1.6)	ENSG00000226645 (1	ENSG00000182329 (1
EHBP1 (2.2)	GOT2P1 (2.0)	C12orf43 (1.8)	CYP26A1 (1.8)	BMPR2 (1.6)
BUD13 (2.3)	SUMO1 (2.3)	ZNF259 (2.3)	SUGP1 (2.3)	MAP3K4 (2.0)
ZNF259 (1.9)	C12orf43 (1.7)	SARS (1.7)	ERGIC3 (1.6)	TRIM54 (1.6)

TIMD4 (1.8)	C17orf57 (1.5)	ZNF513 (1.4)	ENSG00000244861 (1	ENSG00000236267 (1
SARS (2.2)	NPEPPS (1.9)	LPL (1.8)	ERGIC3 (1.8)	LPIN3 (1.7)
ENSG00000226648 (2	TBKBP1 (2.1)	AMPD2 (2.0)	ENSG00000182329 (1	SPATC1 (1.7)
ABCA5 (2.1)	MCM6 (2.0)	DNAH11 (2.0)	GDF5 (1.9)	FEN1 (1.6)
USP1 (2.8)	MCM6 (2.4)	GOT2P1 (2.3)	FEN1 (2.1)	ENSG00000182329 (1
PPM1G (2.7)	GNAI3 (2.4)	NPEPPS (2.2)	SLC22A3 (2.0)	RAB3GAP1 (1.8)
ENSG00000226806 (1	YSK4 (1.5)	LCT (1.4)	CARM1 (1.4)	GDF5 (1.3)
ENSG00000226645 (1	MAP3K4 (1.9)	KANK2 (1.8)	C19orf52 (1.7)	ENSG00000256731 (1
IGF2R (1.7)	PBX4 (1.7)	LCT (1.4)	ENSG00000231204 (1	ABO (1.3)
SUMO1 (2.3)	PPM1G (2.3)	UBXN4 (2.2)	DHX38 (2.0)	NPEPPS (2.0)
ZRANB3 (3.8)	USP1 (3.6)	POC5 (3.6)	NUP93 (2.0)	KPNB1 (1.4)
SUGP1 (2.4)	GNAI3 (2.3)	ZNF259 (2.2)	PPM1G (2.1)	SUMO1 (1.9)
KPNB1 (3.0)	R3HDM1 (3.0)	EHBP1 (2.9)	SARS (2.8)	MAP3K4 (2.1)
ATXN7L2 (2.3)	CARM1 (1.9)	GSTM5 (1.8)	TRIM54 (1.7)	TOP1 (1.6)
ENSG00000226806 (2	ENSG00000254235 (2	PSMA5 (2.0)	ENSG00000226648 (1	SORT1 (1.9)
NPEPPS (2.6)	NRBP1 (2.4)	PPM1G (2.2)	SORT1 (1.7)	NUP93 (1.6)
SYPL2 (2.9)	KANK2 (2.8)	MAMSTR (2.7)	ENSG00000226622 (2	ST3GAL4 (2.2)
MAMSTR (2.9)	GSTM5 (2.6)	ABCA6 (2.0)	HNF1A (1.7)	ST3GAL4 (1.6)
KANK2 (1.9)	ENSG00000226648 (1	MAP3K4 (1.6)	ENSG00000244861 (1	TRIM54 (1.6)
RAB3GAP1 (2.2)	HAVCR1 (2.1)	USP24 (2.1)	ENSG00000244861 (2	DOCK7 (2.0)
SLC22A2 (2.5)	HNF4A (2.4)	RASIP1 (2.1)	SPATC1 (2.0)	CBLC (2.0)
DNAH11 (1.9)	PBX4 (1.8)	MAP3K4 (1.8)	OBP2B (1.6)	ENSG00000226622 (1
ZNF259 (2.9)	TXNL4B (2.7)	BUD13 (2.6)	ENSG00000226645 (2	CARM1 (2.4)
MCM6 (2.2)	C19orf52 (2.2)	ZRANB3 (2.0)	IST1 (1.9)	KANK2 (1.9)
NYNRIN (1.7)	MYLIP (1.7)	CYP26A1 (1.7)	ENSG00000226806 (1	CARM1 (1.2)
IZUMO1 (2.2)	ENSG00000182329 (1	MAU2 (1.8)	ENSG00000228044 (1	TSSK6 (1.6)
IZUMO1 (2.2)	ENSG00000182329 (1	MAU2 (1.8)	ENSG00000228044 (1	TSSK6 (1.6)
GATAD2A (2.0)	POLK (1.8)	LPAR2 (1.8)	GSTM4 (1.7)	MAU2 (1.7)
DHODH (3.1)	C12orf43 (2.5)	C19orf52 (2.4)	POC5 (2.3)	SUGP1 (1.9)
DARS (3.1)	CEP250 (2.7)	ENSG00000235545 (2	ZRANB3 (1.8)	DHODH (1.8)
DHODH (3.0)	C12orf43 (2.6)	POC5 (2.4)	C19orf52 (2.4)	SUGP1 (1.9)
ZNF821 (2.1)	C19orf52 (1.5)	SLC22A1 (1.5)	ENSG00000226648 (1	NCAN (1.5)
ZNF821 (2.1)	C19orf52 (1.5)	SLC22A1 (1.5)	ENSG00000226648 (1	NCAN (1.5)
AMIGO1 (2.0)	ENSG00000256731 (1	CELSR2 (1.6)	DOCK7 (1.5)	ENSG00000228044 (1
YIPF2 (2.2)	PSMA5 (1.9)	SORT1 (1.9)	IGF2R (1.6)	UBXN4 (1.4)
ENSG00000228044 (2	DNAH11 (2.1)	USP1 (2.0)	ZNF821 (1.8)	C19orf52 (1.7)
MAU2 (2.2)	PGS1 (1.5)	MAFB (1.5)	GNAT2 (1.4)	PBX4 (1.4)
C19orf52 (1.4)	ENSG00000236267 (1	PBX4 (1.3)	SUMO1 (1.2)	YSK4 (1.2)
YIPF2 (2.3)	IZUMO1 (2.1)	ENSG00000228044 (2	ATXN1L (1.9)	LPAR2 (1.9)
SMARCA4 (2.3)	ATXN7L2 (2.3)	ZNF259 (2.2)	BUD13 (2.2)	PCSK9 (2.0)
ZRANB3 (3.8)	USP1 (3.5)	POC5 (3.4)	NUP93 (1.9)	KPNB1 (1.4)
NRBP1 (2.5)	ENSG00000256731 (2	IST1 (2.3)	SUMO1 (2.1)	SUGP1 (1.9)
DARS (2.5)	DHODH (2.3)	PPM1G (2.2)	ENSG00000226645 (2	C12orf43 (2.0)
MAU2 (2.5)	UBXN4 (2.2)	CARM1 (2.1)	ENSG00000226648 (1	ATXN7L2 (1.9)
UBXN4 (2.3)	SPATC1 (2.1)	ATP13A1 (2.0)	CLPTM1 (2.0)	GOT2P1 (1.8)
PARP10 (2.6)	ENSG00000226806 (2	PBX4 (2.3)	ENSG00000236267 (1	NFE2L3 (1.6)
ZRANB3 (2.3)	ZNF821 (2.3)	ABCA5 (2.1)	ENSG00000228044 (2	USP1 (2.0)
LCT (2.0)	ZHX3 (2.0)	PLEC (2.0)	BMPR2 (1.9)	GMIP (1.7)
PMFBP1 (2.1)	TBKBP1 (2.0)	AMIGO1 (1.9)	ENSG00000182329 (1	SYPL2 (1.6)
BUD13 (2.9)	PPM1G (2.6)	IST1 (2.5)	SARS (2.3)	ZNF821 (2.2)

GRINA (2.2) UBXN4 (2.1) ZNF821 (2.0) CARM1 (1.9) ABCA1 (1.8)
MYLIP (1.8) GCKR (1.7) ENSG00000226622 (1 GSTM5 (1.7) APOC1 (1.7)
MCM6 (3.8) USP1 (3.5) POC5 (3.5) NUP93 (2.0) KPNB1 (1.3)
KPNB1 (2.0) BMPR2 (2.0) DARS (1.9) PPM1G (1.9) USP1 (1.9)
SLC44A2 (2.7) GNAI3 (2.3) ZHX3 (2.0) GRINA (1.8) ATXN1L (1.8)
ABCA6 (1.8) GDF5 (1.6) MAU2 (1.5) TRIB1 (1.5) PLCG1 (1.5)
SLC22A3 (2.1) LPAL2 (2.0) ENSG00000228044 (1 NFE2L3 (1.6) TM6SF2 (1.5)
ENSG00000182329 (2 BMPR2 (1.8) SORT1 (1.8) CYB561D1 (1.8) GPR61 (1.6)
ABCA6 (2.0) RAB3GAP1 (1.8) AMPD2 (1.7) TRAM2 (1.4) LDLR (1.4)
IST1 (2.0) SARS (1.9) IGF2R (1.8) HAPLN4 (1.8) PGS1 (1.6)
CYP26A1 (2.2) HAVCR1 (2.0) FNDC4 (2.0) DOCK7 (1.9) ATXN1L (1.9)
TIMD4 (1.9) ZRANB3 (1.8) LPL (1.5) AMPD2 (1.5) NFE2L3 (1.4)
IFT172 (2.3) UBXN4 (2.2) YSK4 (1.7) TXNL4B (1.6) DNAH11 (1.4)
MCM6 (3.8) USP1 (3.5) POC5 (3.5) NUP93 (1.9) KPNB1 (1.3)
ENSG00000226648 (2 NRBP1 (2.1) BUD13 (2.0) CARM1 (1.8) UBXN4 (1.5)
KRTCAP3 (2.1) USP1 (1.8) C19orf52 (1.6) ZRANB3 (1.5) ENSG00000226648 (1
IST1 (2.1) NRBP1 (2.1) GATAD2A (2.1) KPNB1 (2.0) PLEC (1.8)
MCM6 (3.6) POC5 (3.1) USP1 (3.1) NUP93 (2.3) KPNB1 (1.7)
PLEC (2.4) DHX38 (2.4) ABO (2.1) IGF2R (2.0) CYB561D1 (2.0)
MCM6 (3.8) USP1 (3.5) POC5 (3.5) NUP93 (1.9) KPNB1 (1.3)
HNF1A (2.0) ENSG00000226622 (1 POLK (1.7) SLC22A3 (1.7) SORT1 (1.7)
USP1 (2.4) ZRANB3 (2.1) LPIN3 (1.9) USP24 (1.8) POC5 (1.8)
ENSG00000244861 (2 SLC22A2 (2.0) C19orf80 (1.9) IST1 (1.6) ABO (1.6)
GPAM (2.3) FNDC4 (2.2) YSK4 (1.9) FER1L4 (1.9) DNAH11 (1.9)
SARS (2.1) HAVCR1 (2.0) PSMA5 (1.9) GNAI3 (1.9) PLEC (1.9)
GPR61 (1.9) NRBP1 (1.9) CILP2 (1.8) SYPL2 (1.8) PARP10 (1.7)
ZHX3 (1.9) IGF2R (1.8) GRINA (1.8) USP24 (1.7) PGS1 (1.7)
ZRANB3 (3.8) USP1 (3.6) POC5 (3.5) NUP93 (1.9) KPNB1 (1.4)
SNX17 (2.2) TRIB1 (2.1) UBXN4 (2.1) SMARCA4 (2.0) GATAD2A (1.9)
HAPLN4 (1.6) TRAM2 (1.5) PVRL2 (1.5) C11orf9 (1.5) TM6SF2 (1.3)
ERGIC3 (1.5) ENSG00000244861 (1 FNDC4 (1.4) PMFBP1 (1.4) ENSG00000226622 (1
CYB561D1 (2.7) ATXN1L (2.7) SNX17 (2.5) IFT172 (2.0) ENSG00000236267 (1
LPL (2.0) ZHX3 (1.9) EHBP1 (1.9) GSTM4 (1.7) R3HDM1 (1.7)
NRBP1 (2.3) AMPD2 (2.1) SNX17 (1.9) GNAT2 (1.9) ERGIC3 (1.7)
LPAR2 (1.9) SLC22A3 (1.8) PGS1 (1.6) PBX4 (1.4) TXNL4B (1.4)
PMFBP1 (2.2) LCT (1.9) LPAR2 (1.9) OTX1 (1.8) ATP13A1 (1.8)
HAPLN4 (1.9) ABO (1.9) OBP2B (1.9) SPATC1 (1.8) TRAM2 (1.7)
ENSG00000254235 (2 MAU2 (1.7) RELB (1.4) ATXN1L (1.4) ENSG00000244861 (1
IST1 (2.3) ATXN1L (2.0) MAU2 (2.0) SUMO1 (2.0) SNX17 (2.0)
ZRANB3 (3.7) PSRC1 (1.6) AMIGO1 (1.3) CILP2 (1.3) NUP93 (1.3)
IST1 (2.3) ATXN1L (2.1) DHX38 (2.0) POC5 (1.9) NPEPPS (1.7)
HAVCR1 (2.3) FEN1 (2.2) USP1 (2.2) SMARCA4 (2.1) PSRC1 (2.0)
KPNB1 (2.0) SMARCA4 (1.8) FADS2 (1.7) LPAL2 (1.7) C19orf80 (1.5)
GNAI3 (2.2) PPM1G (2.2) POLK (2.1) DARS (1.8) GOT2P1 (1.7)
TBKBP1 (2.0) MAP3K4 (2.0) NRBP1 (2.0) ZNF259 (1.9) ATXN7L2 (1.8)
POC5 (3.8) MCM6 (3.7) USP1 (3.7) NUP93 (2.0) KPNB1 (1.3)
CILP2 (2.0) RAB3GAP1 (1.8) YSK4 (1.8) CYP26A1 (1.6) IGF2R (1.4)
ENSG00000235545 (1 ENSG00000236267 (1 NFE2L3 (1.6) ENSG00000226622 (1 TXNL4B (1.5)
R3HDM1 (2.1) RAB3GAP1 (2.0) ZNF513 (1.6) ENSG00000235545 (1 NPEPPS (1.5)
SLC22A3 (1.9) AMIGO1 (1.8) OBP2B (1.7) ABO (1.7) GSTM5 (1.6)

NCAN (2.2)	R3HDM1 (2.2)	TRIM54 (2.0)	SYPL2 (1.8)	PLEC (1.8)
GATAD2A (2.3)	CLPTM1 (1.9)	NFE2L3 (1.8)	PPM1G (1.8)	NPEPPS (1.7)
ABCA6 (2.0)	SLC44A2 (1.7)	HMGCR (1.6)	SORT1 (1.6)	CLPTM1 (1.6)
NUP93 (1.7)	DHODH (1.5)	GATAD2A (1.5)	TOMM40 (1.4)	ATP13A1 (1.3)
C12orf43 (2.2)	MYLIP (2.1)	SNX17 (2.1)	GATAD2A (2.0)	ABCA6 (1.9)
POC5 (1.8)	RAB3GAP1 (1.7)	IFT172 (1.5)	ENSG00000236267 (1	GSTM4 (1.4)
C11orf9 (2.0)	R3HDM1 (1.9)	SLC44A2 (1.8)	ABCA6 (1.6)	NYNRIN (1.5)
MYLIP (2.0)	ENSG00000226622 (1	CYB561D1 (1.8)	TSSK6 (1.8)	NFE2L3 (1.7)
CYB561D1 (2.9)	ENSG00000236267 (2	ENSG00000226622 (2	ENSG00000236436 (2	SYPL2 (2.4)
ENSG00000236436 (1	C11orf9 (1.6)	CYP26A1 (1.5)	ENSG00000231204 (1	RP1 (1.3)
ATXN1L (2.0)	ENSG00000226645 (1	HAVCR1 (1.4)	CYP26A1 (1.4)	C17orf57 (1.3)
NRBP1 (2.0)	BMPR2 (2.0)	PVRL2 (1.9)	TRAM2 (1.8)	PLEC (1.6)
MYLIP (2.0)	ZNF259 (1.9)	NUP93 (1.8)	TIMD4 (1.8)	GSTM4 (1.7)
IST1 (2.2)	MAU2 (2.0)	SUMO1 (2.0)	ATXN1L (1.9)	R3HDM1 (1.9)
AMIGO1 (2.0)	HAPLN4 (2.0)	ZHX3 (1.8)	ENSG00000226648 (1	ATXN7L2 (1.6)
PMFBP1 (1.8)	LPIN3 (1.6)	ENSG00000182329 (1	OBP2B (1.5)	ABCA6 (1.4)
NCAN (1.8)	CILP2 (1.8)	ZHX3 (1.4)	MYLIP (1.3)	ENSG00000231204 (1
ZNF821 (2.1)	IFT172 (2.0)	SUGP1 (1.9)	C12orf43 (1.8)	ERGIC3 (1.8)
AMIGO1 (1.9)	HAPLN4 (1.9)	HAVCR1 (1.7)	BCAM (1.6)	ATXN7L2 (1.6)
AMIGO1 (2.4)	TRIM54 (2.3)	IFT172 (2.2)	POC5 (2.2)	SUGP1 (2.0)
SUGP1 (2.3)	FEN1 (2.2)	POLK (2.1)	USP1 (2.1)	MCM6 (2.0)
ZNF513 (2.5)	LPAR2 (2.4)	CELSR2 (2.4)	GATAD2A (2.3)	GPR61 (2.3)
FEN1 (2.8)	ENSG00000228044 (2	CEP250 (2.4)	GOT2P1 (2.1)	AMIGO1 (2.0)
CYB561D1 (1.7)	CELSR2 (1.6)	NFE2L3 (1.6)	PMFBP1 (1.5)	DOCK6 (1.5)
SYPL2 (2.3)	MAU2 (2.1)	FGF21 (1.9)	ENSG00000236436 (1	ENSG00000244861 (1
BMPR2 (2.1)	R3HDM1 (2.0)	TRIM54 (1.9)	EHBP1 (1.7)	COL4A3BP (1.6)
ATP13A1 (2.0)	R3HDM1 (1.9)	MAU2 (1.9)	OBP2B (1.9)	TOP1 (1.7)
NUP93 (2.9)	ZRANB3 (2.7)	CEP250 (2.0)	DHODH (1.9)	ENSG00000235545 (1
FUT2 (2.1)	ZNF259 (1.9)	C12orf43 (1.9)	C19orf52 (1.7)	CLPTM1 (1.7)
PBX4 (2.0)	ABO (2.0)	CELSR2 (2.0)	CYB561D1 (2.0)	BMPR2 (1.6)
ATXN7L2 (2.1)	NPEPPS (2.0)	HMGCR (1.8)	FADS2 (1.7)	NUP93 (1.6)
ABCA5 (1.9)	LPAL2 (1.8)	GSTM4 (1.7)	C19orf52 (1.5)	SLC22A2 (1.5)
ABO (2.2)	SLC44A2 (2.1)	CLPTM1 (1.7)	ENSG00000226645 (1	AMIGO1 (1.6)
PSRC1 (2.4)	DNAH11 (2.4)	USP1 (2.1)	POLK (1.9)	CEP250 (1.7)
MCM6 (3.8)	USP1 (3.6)	POC5 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
IST1 (3.0)	RAB3GAP1 (2.9)	NRBP1 (2.5)	DARS (2.1)	CYB561D1 (2.0)
C17orf57 (1.9)	PBX4 (1.8)	ZNF821 (1.7)	ENSG00000254235 (1	IGF2R (1.6)
TRAM2 (1.7)	FNDC4 (1.7)	ZNF259 (1.5)	CYB561D1 (1.4)	COL4A3BP (1.3)
CEP250 (2.1)	CBLC (1.7)	LPAR2 (1.5)	SLC44A2 (1.4)	CARM1 (1.3)
GPAM (1.0)	GOT2P1 (1.0)	PSMA5 (1.0)	GSTM4 (1.0)	SLC22A2 (0.9)
ZNF821 (1.9)	ABO (1.8)	FGF21 (1.7)	CYB561D1 (1.5)	ENSG00000226645 (1
ENSG00000254235 (1	HNF1A (1.8)	COL4A3BP (1.8)	HAPLN4 (1.8)	ENSG00000182329 (1
UBXN4 (1.7)	GNAI3 (1.7)	FGF21 (1.4)	TXNL4B (1.4)	HAVCR1 (1.3)
MAFB (2.3)	HAPLN4 (1.8)	OASL (1.7)	SORT1 (1.6)	ENSG00000244861 (1
ABO (2.2)	PMFBP1 (1.8)	SLC22A3 (1.8)	GSTM5 (1.7)	AMIGO1 (1.6)
DARS (2.5)	PPM1G (2.0)	USP1 (2.0)	SUGP1 (1.9)	NUP93 (1.8)
ABO (2.0)	PMFBP1 (1.9)	SLC22A3 (1.8)	GSTM5 (1.7)	AMIGO1 (1.6)
C12orf43 (2.3)	IFT172 (2.3)	SMARCA4 (2.1)	PPM1G (1.8)	USP1 (1.7)
ENSG00000182329 (2	ABO (2.3)	TBKBP1 (2.2)	AMIGO1 (2.1)	YSK4 (2.1)
SLC44A2 (2.1)	PMFBP1 (2.1)	SLC22A2 (2.0)	IFT172 (2.0)	C17orf57 (1.8)

KRTCAP3 (2.3)	CYB561D1 (2.0)	GSTM4 (1.9)	IFT172 (1.7)	IZUMO1 (1.7)
C19orf52 (1.6)	PBX4 (1.4)	YSK4 (1.3)	APOC1 (1.2)	ENSG00000236267 (1
RELB (2.1)	CEP250 (2.0)	PBX4 (2.0)	MAFB (1.5)	LCT (1.5)
CEP250 (1.5)	LCT (1.5)	MYLIP (1.4)	GMIP (1.4)	DNAH11 (1.3)
ENSG00000231204 (2	HAPLN4 (1.6)	POLK (1.6)	R3HDM1 (1.5)	PLCG1 (1.4)
SUGP1 (2.3)	POC5 (2.1)	MAU2 (2.0)	COL4A3BP (2.0)	TOP1 (1.7)
R3HDM1 (1.7)	GNAT2 (1.6)	COL4A3BP (1.6)	GPR61 (1.6)	ST3GAL4 (1.6)
MAMSTR (1.9)	HAVCR1 (1.9)	SUMO1 (1.9)	SLC44A2 (1.7)	ABO (1.6)
ABO (2.1)	SLC44A2 (1.9)	AMIGO1 (1.7)	CLPTM1 (1.7)	RAB3GAP1 (1.6)
ATXN7L2 (1.7)	ZHX3 (1.5)	NYNRIN (1.5)	PVRL2 (1.3)	OBP2B (1.3)
EHBP1 (2.1)	ABCA6 (1.6)	ZNF821 (1.6)	GNAI3 (1.5)	NRBP1 (1.4)
C17orf57 (1.4)	LPL (1.4)	CELSR2 (1.3)	FUT2 (1.3)	CBLC (1.2)
PLEC (1.9)	NYNRIN (1.8)	NRBP1 (1.6)	CBLC (1.6)	ZNF513 (1.6)
CETP (1.4)	NCAN (1.4)	GSTM4 (1.4)	ANGPTL3 (1.3)	ERGIC3 (1.3)
R3HDM1 (2.2)	TBKBP1 (2.1)	ENSG00000226648 (2	COL4A3BP (2.0)	GPR61 (1.9)
SPATC1 (3.2)	PPM1G (3.1)	DHX38 (2.5)	ATXN1L (2.5)	NRBP1 (2.4)
SORT1 (2.0)	MAMSTR (1.9)	GPR61 (1.8)	PVR (1.8)	ENSG00000226648 (1
COL4A3BP (2.4)	APOE (2.4)	CYB561D1 (2.0)	ABCA5 (1.8)	TIMD4 (1.7)
MCM6 (3.8)	POC5 (3.7)	USP1 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
NRBP1 (2.9)	FER1L4 (2.0)	RP1 (1.9)	SNX17 (1.8)	RAB3GAP1 (1.8)
NRBP1 (2.9)	FER1L4 (2.0)	RP1 (1.9)	SNX17 (1.8)	RAB3GAP1 (1.8)
LPIN3 (1.7)	SPATC1 (1.6)	MCM6 (1.6)	AMIGO1 (1.4)	USP1 (1.4)
GATAD2A (1.6)	DOCK6 (1.6)	SLC44A2 (1.6)	FGF21 (1.5)	PLEC (1.5)
ENSG00000256731 (2	SNX17 (2.4)	IZUMO1 (2.3)	SLC22A2 (1.9)	CARM1 (1.8)
MCM6 (3.8)	POC5 (3.7)	USP1 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
MCM6 (3.8)	POC5 (3.7)	USP1 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
YIPF2 (2.2)	BMPR2 (2.1)	RAB3GAP1 (2.0)	CLPTM1 (1.8)	ABCA5 (1.8)
PSRC1 (2.2)	FEN1 (2.1)	POLK (2.1)	ENSG00000228044 (2	ENSG00000226645 (2
FER1L4 (2.0)	AMIGO1 (1.9)	BCAM (1.6)	MAP3K4 (1.6)	ABCA6 (1.6)
RELB (2.2)	USP24 (2.1)	FUT2 (2.1)	MAMSTR (2.0)	ABCA5 (1.9)
HAVCR1 (1.9)	NUP93 (1.7)	SYPL2 (1.7)	MAP3K4 (1.7)	GNAI3 (1.5)
MAP3K4 (2.3)	USP1 (2.2)	SUGP1 (1.9)	POC5 (1.8)	DHX38 (1.7)
ENSG00000226648 (2	C12orf43 (1.9)	ENSG00000226806 (1	ATXN1L (1.8)	TXNL4B (1.6)
CYP26A1 (2.8)	ZHX3 (2.3)	ATXN1L (2.1)	FNDC4 (2.0)	PBX4 (1.7)
PLCG1 (1.7)	ABCA6 (1.7)	GMIP (1.7)	ENSG00000235545 (1	MAU2 (1.4)
SUGP1 (2.3)	C19orf52 (2.2)	NOP58 (1.8)	BUD13 (1.8)	DHODH (1.7)
BUD13 (2.4)	NRBP1 (2.2)	NPEPPS (2.1)	TOP1 (1.6)	RAB3GAP1 (1.6)
IST1 (3.0)	SUGP1 (2.8)	DHX38 (2.8)	C12orf43 (2.1)	SUMO1 (1.9)
MCM6 (3.7)	POC5 (3.6)	USP1 (3.4)	NUP93 (1.9)	KPNB1 (1.3)
ABCA1 (2.2)	ZHX3 (2.2)	ZNF821 (2.1)	DOCK7 (2.1)	COL4A3BP (2.1)
GPR61 (2.3)	HNF1A (2.0)	COL4A3BP (1.7)	OBP2B (1.5)	AMIGO1 (1.5)
HAVCR1 (1.7)	RAB3GAP1 (1.7)	R3HDM1 (1.7)	TRIB1 (1.5)	NCAN (1.4)
GSTM4 (2.6)	SLC22A3 (2.5)	FUT1 (2.1)	IZUMO1 (1.9)	FADS2 (1.8)
HNF1A (2.5)	GNAI3 (2.2)	LCT (2.0)	ENSG00000244861 (1	SUMO1 (1.9)
TM6SF2 (2.3)	PMFBP1 (2.0)	LPAL2 (1.8)	ENSG00000254235 (1	GSTM4 (1.7)
CILP2 (2.4)	GDF5 (2.3)	IGF2R (1.8)	NYNRIN (1.8)	MAFB (1.6)
USP24 (2.1)	AMIGO1 (1.9)	SYPL2 (1.9)	SORT1 (1.8)	ENSG00000236436 (1
ABO (2.2)	SLC22A3 (2.1)	AMIGO1 (1.7)	PMFBP1 (1.7)	GSTM5 (1.6)
ENSG00000226645 (2	POC5 (1.9)	TOMM40 (1.8)	MAP3K4 (1.8)	AMPD2 (1.7)
NYNRIN (2.5)	FADS2 (2.0)	ENSG00000256731 (1	SLC22A3 (1.8)	MAMSTR (1.6)

PVRL2 (1.7)	ENSG00000182329 (1	YIPF2 (1.3)	APOA4 (1.3)	BCAM (1.3)
NUP93 (2.2)	R3HDM1 (1.9)	SUMO1 (1.8)	PSRC1 (1.6)	PPM1G (1.4)
CBLC (2.7)	CYB561D1 (2.3)	KRTCAP3 (2.1)	YIPF2 (2.0)	SUMO1 (1.9)
DHODH (2.3)	TXNL4B (1.8)	FEN1 (1.8)	PPM1G (1.8)	POLK (1.5)
PSMA5 (2.3)	BUD13 (2.1)	ATXN7L2 (2.0)	PPM1G (1.9)	COL4A3BP (1.9)
ENSG00000182329 (2	CELSR2 (2.1)	GOT2P1 (2.0)	C12orf43 (1.9)	ABCA6 (1.8)
MCM6 (3.6)	POC5 (3.4)	USP1 (3.2)	NUP93 (1.8)	ENSG00000228044 (1
SUMO1 (1.9)	GATAD2A (1.8)	USP1 (1.8)	ZRANB3 (1.7)	PPM1G (1.7)
CEP250 (2.3)	ZNF821 (2.3)	USP1 (2.0)	ENSG00000228044 (2	DNAH11 (1.9)
MCM6 (3.7)	POC5 (3.5)	USP1 (3.5)	NUP93 (1.9)	KPNB1 (1.4)
ENSG00000226645 (2	ZNF513 (2.1)	HAVCR1 (2.0)	ENSG00000244861 (1	ENSG00000226622 (1
IFT172 (2.3)	C19orf52 (2.0)	C12orf43 (1.9)	TXNL4B (1.7)	ZNF259 (1.1)
SUGP1 (2.4)	PPM1G (2.0)	ATXN7L2 (2.0)	ERGIC3 (1.9)	NRBP1 (1.9)
R3HDM1 (2.4)	NOP58 (2.2)	SMARCA4 (2.1)	CEP250 (2.1)	SUGP1 (2.0)
HAPLN4 (2.5)	CELSR2 (2.4)	APOC1 (2.2)	TSSK6 (2.0)	ENSG00000182329 (1
POC5 (2.1)	LCT (2.1)	LPAR2 (2.0)	MCM6 (1.9)	CETP (1.6)
ZRANB3 (3.8)	USP1 (3.5)	POC5 (3.5)	NUP93 (1.9)	KPNB1 (1.3)
DOCK7 (1.9)	GATAD2A (1.8)	NPEPPS (1.8)	ATXN7L2 (1.7)	USP1 (1.7)
NOP58 (1.7)	OTX1 (1.7)	TSSK6 (1.6)	HAVCR1 (1.5)	ENSG00000236267 (1
SLC22A2 (1.4)	FUT2 (1.4)	NYNRIN (1.3)	GSTM4 (1.3)	OTX1 (1.3)
ENSG00000235545 (1	ST3GAL4 (1.6)	NFE2L3 (1.4)	CYB561D1 (1.4)	ZNF821 (1.4)
ZNF821 (2.0)	C11orf9 (1.9)	TBKBP1 (1.5)	KANK2 (1.4)	CARM1 (1.2)
SLC22A2 (2.1)	ENSG00000236436 (2	PMFBP1 (2.0)	TSSK6 (1.7)	ENSG00000244861 (1
C11orf9 (2.4)	ABCG5 (2.4)	DNAH11 (2.2)	KRTCAP3 (2.2)	ENSG00000235545 (2
MCM6 (3.6)	USP1 (3.6)	POC5 (3.5)	NUP93 (2.0)	KPNB1 (1.8)
COL4A3BP (2.5)	CYB561D1 (2.3)	LPAR2 (2.1)	FNDC4 (2.1)	PGS1 (1.9)
PBX4 (2.6)	ZRANB3 (2.5)	POLK (2.5)	IFT172 (2.1)	MAMSTR (2.0)
ENSG00000226806 (1	ENSG00000236436 (1	TIMD4 (1.5)	ENSG00000254235 (1	GMIP (1.5)
ZRANB3 (3.7)	USP1 (3.7)	POC5 (3.6)	NUP93 (1.9)	KPNB1 (1.3)
MCM6 (3.8)	USP1 (3.6)	POC5 (3.5)	NUP93 (2.0)	KPNB1 (1.3)
ZHX3 (2.2)	CELSR2 (2.1)	LIPC (1.9)	OBP2B (1.6)	CETP (1.5)
OBP2B (1.8)	HAPLN4 (1.8)	PVR (1.7)	TSSK6 (1.6)	TRAM2 (1.6)
NRBP1 (2.2)	PLEC (2.1)	PVR (1.9)	DARS (1.6)	IST1 (1.6)
C17orf57 (2.1)	C11orf9 (1.7)	ENSG00000182329 (1	PVRL2 (1.6)	SLC44A2 (1.5)
SUGP1 (2.1)	TOMM40 (2.1)	ZNF259 (2.0)	ZNF513 (2.0)	BUD13 (1.8)
CEP250 (2.2)	PBX4 (2.2)	IGF2R (2.0)	HAVCR1 (1.8)	RELB (1.7)
IGF2R (2.1)	APOE (2.0)	ENSG00000254235 (1	IST1 (1.8)	CLPTM1 (1.8)
FUT1 (2.2)	SORT1 (2.2)	TBKBP1 (2.1)	LPAR2 (2.0)	POLK (1.8)
SUMO1 (1.8)	PBX4 (1.7)	FER1L4 (1.5)	POC5 (1.4)	AMIGO1 (1.4)
SUMO1 (1.8)	PBX4 (1.7)	FER1L4 (1.5)	POC5 (1.4)	AMIGO1 (1.4)
TBKBP1 (1.6)	SPATC1 (1.5)	LPAL2 (1.3)	TM6SF2 (1.3)	ENSG00000226648 (1
KRTCAP3 (2.0)	YIPF2 (2.0)	FUT1 (1.9)	ENSG00000244861 (1	FER1L4 (1.4)
FADS2 (2.1)	COL4A3BP (1.7)	ABCA5 (1.6)	POLK (1.6)	RAB3GAP1 (1.5)
GSTM5 (2.0)	DOCK6 (1.7)	ABCA5 (1.7)	NYNRIN (1.6)	SYPL2 (1.6)
GRINA (2.0)	SORT1 (1.9)	ABCA5 (1.8)	CELSR2 (1.6)	EHBP1 (1.5)
C17orf57 (2.6)	IZUMO1 (2.6)	TSSK6 (2.5)	ENSG00000226648 (2	HAPLN4 (2.2)
SUGP1 (2.8)	NOP58 (2.7)	IST1 (2.7)	SUMO1 (2.4)	C12orf43 (2.4)
RP1 (2.4)	RASIP1 (2.0)	NYNRIN (1.9)	SLC22A2 (1.6)	NCAN (1.6)
RP1 (2.4)	RASIP1 (2.0)	NYNRIN (1.9)	SLC22A2 (1.6)	NCAN (1.6)
IST1 (2.1)	ATXN1L (2.1)	TRIB1 (2.1)	NOP58 (1.9)	POC5 (1.8)

SPATC1 (2.9)	ENSG00000182329 (2	IZUMO1 (2.3)	IFT172 (2.0)	ENSG00000231204 (1
POLK (2.5)	PGS1 (2.2)	COL4A3BP (1.8)	UBXN4 (1.7)	MAU2 (1.6)
SYPL2 (1.9)	LCT (1.8)	DOCK7 (1.7)	SARS (1.7)	ENSG00000236436 (1
POC5 (2.1)	PSMA5 (1.8)	GNAI3 (1.7)	LPIN3 (1.6)	MAU2 (1.5)
TRAM2 (1.8)	HAPLN4 (1.7)	TBKBP1 (1.6)	NFE2L3 (1.5)	PVR (1.5)
CEP250 (3.2)	KPNB1 (2.9)	USP1 (2.9)	NUP93 (2.5)	POLK (2.0)
TSSK6 (2.2)	ENSG00000235545 (2	ENSG00000236436 (2	ATXN7L2 (1.9)	FUT2 (1.7)
MCM6 (2.3)	PPM1G (2.1)	FEN1 (2.0)	USP1 (2.0)	UBXN4 (2.0)
PMFBP1 (2.1)	APOE (1.9)	POLK (1.7)	IGF2R (1.7)	C19orf52 (1.6)
UBXN4 (2.2)	C11orf9 (2.0)	HAVCR1 (1.6)	FNDC4 (1.5)	TXNL4B (1.5)
UBXN4 (2.2)	C11orf9 (2.0)	HAVCR1 (1.6)	FNDC4 (1.5)	TXNL4B (1.5)
PGS1 (2.0)	FUT2 (1.9)	MYLIP (1.7)	SLC22A2 (1.5)	APOE (1.5)
NYNRIN (2.2)	POLK (2.1)	NCAN (2.0)	PLCG1 (2.0)	PBX4 (1.9)
TXNL4B (1.9)	NPEPPS (1.8)	RAB3GAP1 (1.7)	C12orf43 (1.7)	POC5 (1.6)
CELSR2 (1.8)	FER1L4 (1.7)	NYNRIN (1.7)	CYP26A1 (1.7)	ABO (1.6)
ENSG00000226645 (1	TOP1 (1.8)	CARM1 (1.7)	SUMO1 (1.6)	R3HDM1 (1.5)
YIPF2 (2.0)	IZUMO1 (1.9)	ENSG00000254235 (1	ENSG00000228044 (1	LPAR2 (1.7)
LIPG (1.6)	AMPD2 (1.5)	ENSG00000226806 (1	SPATC1 (1.3)	SLC22A2 (1.3)
ABCA5 (2.0)	GPR61 (2.0)	FUT1 (1.6)	AMIGO1 (1.5)	RAB3GAP1 (1.5)
ST3GAL4 (1.8)	HAVCR1 (1.8)	DOCK7 (1.7)	SUMO1 (1.7)	ENSG00000226806 (1
GSTM5 (1.9)	ZHX3 (1.7)	PLCG1 (1.7)	COL4A3BP (1.7)	GPAM (1.5)
BCAM (2.1)	ENSG00000226648 (2	RAB3GAP1 (2.0)	ENSG00000236436 (1	PLCG1 (1.9)
CYB561D1 (2.4)	POLK (2.2)	ABCA5 (2.0)	ENSG00000226645 (1	CARM1 (1.8)
FER1L4 (2.1)	LPAR2 (2.0)	DHODH (2.0)	GNAT2 (1.9)	LPIN3 (1.7)
ATP13A1 (2.0)	APOE (1.9)	ERGIC3 (1.7)	IGF2R (1.7)	CEP250 (1.7)
PLEC (1.5)	FUT1 (1.5)	CBLC (1.5)	PVRL2 (1.5)	ENSG00000236267 (1
KPNB1 (2.5)	TOP1 (2.4)	NCAN (2.2)	NRBP1 (1.6)	PPM1G (1.6)
NRBP1 (2.1)	HAVCR1 (1.9)	SARS (1.8)	IZUMO1 (1.7)	SNX17 (1.6)
TBKBP1 (1.6)	DNAH11 (1.6)	MAP3K4 (1.5)	MAMSTR (1.5)	MYLIP (1.5)
HAPLN4 (1.6)	USP1 (1.6)	C11orf9 (1.5)	C17orf57 (1.2)	PCSK9 (1.2)
ZNF259 (2.0)	BUD13 (2.0)	C19orf52 (2.0)	ZNF513 (1.9)	TOMM40 (1.7)
R3HDM1 (2.7)	MCM6 (2.5)	CELSR2 (2.0)	CEP250 (2.0)	POLK (1.9)
SUMO1 (2.2)	KPNB1 (1.9)	DARS (1.9)	ENSG00000231204 (1	BUD13 (1.8)
USP1 (3.6)	ZRANB3 (3.5)	POC5 (2.9)	NUP93 (2.2)	ENSG00000228044 (1
GATAD2A (2.2)	LPIN3 (1.8)	ZNF821 (1.8)	ENSG00000256731 (1	CELSR2 (1.7)
AMPD2 (2.4)	YSK4 (2.1)	FUT2 (1.6)	FNDC4 (1.4)	SUMO1 (1.3)
PMFBP1 (2.1)	ENSG00000236436 (1	TSSK6 (1.7)	GSTM4 (1.6)	C17orf57 (1.6)
SUGP1 (2.0)	ZNF259 (1.9)	C19orf52 (1.8)	GATAD2A (1.6)	DHX38 (1.6)
DNAH11 (1.9)	C12orf43 (1.9)	NYNRIN (1.9)	ABCA6 (1.5)	AMIGO1 (1.3)
HAPLN4 (2.1)	ENSG00000244861 (2	RAB3GAP1 (1.9)	SARS (1.7)	USP24 (1.7)
DHODH (2.1)	C17orf57 (2.0)	ATXN1L (1.9)	ZNF821 (1.9)	FNDC4 (1.8)
GATAD2A (2.0)	ZNF821 (1.9)	NUP93 (1.9)	PPM1G (1.8)	DHX38 (1.6)
KPNB1 (3.7)	CEP250 (3.6)	USP1 (2.9)	POC5 (2.5)	NUP93 (2.3)
APOC1 (1.9)	ENSG00000226622 (1	IST1 (1.8)	SUGP1 (1.8)	ST3GAL4 (1.7)
LPIN3 (2.5)	SYPL2 (2.5)	TRIM54 (2.2)	HNF1A (2.2)	TBKBP1 (2.1)
PMFBP1 (1.6)	SPATC1 (1.6)	TSSK6 (1.5)	ATXN7L2 (1.5)	CETP (1.3)
ENSG00000182329 (2	IST1 (2.1)	ATXN1L (1.9)	LPIN3 (1.8)	DHX38 (1.7)
NOP58 (2.1)	ATXN7L2 (1.9)	BUD13 (1.6)	C17orf57 (1.6)	ENSG00000226645 (1
IFT172 (2.0)	ST3GAL4 (2.0)	SUMO1 (1.8)	R3HDM1 (1.7)	MAP3K4 (1.6)
ENSG00000231204 (1	SLC22A3 (1.6)	ENSG00000226622 (1	FER1L4 (1.4)	IZUMO1 (1.4)

SUMO1 (2.3)	ENSG00000236436 (2	ENSG00000235545 (2	C17orf57 (2.2)	ENSG00000244861 (2
ZRANB3 (3.8)	USP1 (3.6)	POC5 (3.4)	NUP93 (1.9)	KPNB1 (1.4)
ENSG00000235545 (2	NPEPPS (2.1)	PPM1G (1.9)	KPNB1 (1.8)	ZNF821 (1.8)
DOCK7 (2.1)	CELSR2 (1.9)	FUT2 (1.6)	ENSG00000231204 (1	ENSG00000235545 (1
GSTM5 (1.9)	ENSG00000236436 (1	CLPTM1 (1.8)	APOA4 (1.8)	GPR61 (1.7)
ERGIC3 (1.9)	FEN1 (1.9)	ZNF513 (1.7)	GSTM5 (1.7)	ENSG00000226648 (1
SLC44A2 (2.4)	FUT1 (2.3)	TBKBP1 (1.7)	ENSG00000244861 (1	SPATC1 (1.7)
SLC44A2 (2.4)	FUT1 (2.3)	TBKBP1 (1.7)	ENSG00000244861 (1	SPATC1 (1.7)
SLC44A2 (2.4)	FUT1 (2.3)	TBKBP1 (1.7)	ENSG00000244861 (1	SPATC1 (1.7)
FUT2 (1.8)	ABCG5 (1.6)	CLPTM1 (1.6)	CYB561D1 (1.5)	R3HDM1 (1.5)
OBP2B (1.5)	USP24 (1.5)	POC5 (1.5)	KPNB1 (1.5)	GNAI3 (1.5)
MAFB (2.2)	ZNF821 (2.0)	SLC44A2 (1.8)	TRAM2 (1.8)	ATXN1L (1.7)
FGF21 (2.1)	NRBP1 (2.0)	SARS (1.7)	CYB561D1 (1.6)	OTX1 (1.5)
ENSG00000254235 (1	SPATC1 (1.7)	GMIP (1.5)	FER1L4 (1.4)	TIMD4 (1.2)
ENSG00000226622 (2	FER1L4 (1.9)	PMFBP1 (1.9)	PBX4 (1.9)	YIPF2 (1.8)
LPIN3 (2.5)	AMIGO1 (2.4)	CYB561D1 (2.2)	GCKR (2.2)	SYPL2 (2.1)
CYB561D1 (2.0)	PMFBP1 (1.7)	ENSG00000228044 (1	EHBP1 (1.5)	IFT172 (1.5)
SNX17 (2.4)	SUGP1 (2.4)	ERGIC3 (2.3)	NRBP1 (2.3)	IFT172 (2.0)
LCT (1.9)	GPR61 (1.8)	ENSG00000236267 (1	EHBP1 (1.7)	OBP2B (1.5)
ZHX3 (1.5)	ENSG00000235545 (1	FNDC4 (1.4)	TBKBP1 (1.4)	ATXN7L2 (1.3)
ERGIC3 (2.5)	BCAM (2.1)	YIPF2 (2.1)	CLPTM1 (2.0)	ENSG00000231204 (1
GSTM5 (1.9)	OBP2B (1.9)	DNAH11 (1.8)	C17orf57 (1.5)	GSTM4 (1.4)
COL4A3BP (1.2)	KRTCAP3 (1.2)	MAFB (1.2)	ABCA1 (1.1)	APOE (1.0)
LCT (1.8)	PGS1 (1.7)	IZUMO1 (1.7)	HP (1.5)	C17orf57 (1.4)
ENSG00000231204 (2	PBX4 (1.8)	YSK4 (1.7)	ENSG00000226648 (1	NCAN (1.6)
GDF5 (2.3)	ABCA5 (2.2)	ZHX3 (2.1)	BMPR2 (1.8)	MAP3K4 (1.7)
USP24 (2.2)	ATXN1L (2.2)	MAU2 (2.0)	SNX17 (2.0)	R3HDM1 (1.9)
CEP250 (2.4)	ABCA6 (2.2)	FEN1 (2.2)	R3HDM1 (1.9)	POC5 (1.8)
DOCK7 (1.7)	DARS (1.6)	BUD13 (1.6)	NUP93 (1.6)	ENSG00000231204 (1
GPR61 (1.9)	IZUMO1 (1.7)	FUT2 (1.6)	TRAM2 (1.5)	CELSR2 (1.4)
MAMSTR (1.9)	PGS1 (1.8)	AMPD2 (1.8)	SARS (1.8)	FNDC4 (1.8)
SLC44A2 (2.0)	LPIN3 (1.9)	SYPL2 (1.9)	LCT (1.8)	MAU2 (1.8)
SUMO1 (1.9)	GNAT2 (1.8)	TOP1 (1.7)	NPEPPS (1.6)	C17orf57 (1.6)
LPAR2 (2.3)	IZUMO1 (1.9)	ENSG00000244861 (1	ZNF821 (1.8)	MAU2 (1.8)
PVR (2.0)	ENSG00000182329 (1	APOC1 (1.8)	ABCA1 (1.7)	PLCG1 (1.7)
SPATC1 (2.9)	ENSG00000236436 (2	ENSG00000228044 (2	YSK4 (1.5)	SUMO1 (1.4)
C11orf9 (2.0)	NYNRIN (1.7)	PBX4 (1.6)	NRBP1 (1.5)	CBLC (1.5)
GNAI3 (1.7)	BUD13 (1.7)	NUP93 (1.6)	MAP3K4 (1.6)	SUGP1 (1.6)
ENSG00000244861 (2	CARM1 (2.0)	IST1 (1.9)	TRIB1 (1.7)	GDF5 (1.7)
FADS2 (2.8)	PCSK9 (2.5)	ATXN7L2 (2.2)	EHBP1 (2.0)	USP24 (1.9)
FEN1 (2.6)	ZRANB3 (2.4)	NUP93 (2.3)	USP1 (2.2)	PSRC1 (1.6)
CYB561D1 (2.0)	TSSK6 (1.9)	C12orf43 (1.8)	LPIN3 (1.8)	ENSG00000226622 (1
UBXN4 (2.4)	GNAT2 (2.1)	SNX17 (1.9)	C19orf52 (1.9)	AMPD2 (1.8)
SUMO1 (2.2)	TSSK6 (2.2)	ENSG00000236436 (2	C17orf57 (1.6)	PLEC (1.5)
ENSG00000231204 (2	SORT1 (2.1)	BUD13 (2.1)	ST3GAL4 (1.9)	LPAR2 (1.9)
IFT172 (1.9)	IGF2R (1.9)	ENSG00000226806 (1	DOCK6 (1.5)	C17orf57 (1.5)
HAPLN4 (2.6)	GSTM5 (2.4)	ENSG00000226648 (2	MAMSTR (2.2)	KANK2 (2.0)
TXNL4B (2.1)	TOMM40 (1.8)	ABCA6 (1.7)	NUP93 (1.7)	CLPTM1 (1.7)
TXNL4B (2.1)	TOMM40 (1.8)	ABCA6 (1.7)	NUP93 (1.7)	CLPTM1 (1.7)
NYNRIN (1.7)	MAP3K4 (1.7)	C12orf43 (1.7)	ENSG00000182329 (1	ABCA5 (1.5)

TRAM2 (2.2)	ENSG00000226645 (2	HAPLN4 (1.7)	COL4A3BP (1.7)	FUT1 (1.5)
COL4A3BP (2.1)	PLEC (2.1)	NPEPPS (1.9)	TRIM54 (1.9)	SORT1 (1.6)
GPR61 (2.2)	C11orf9 (1.8)	FNDC4 (1.6)	FADS2 (1.6)	FUT2 (1.6)
MCM6 (3.7)	ZRANB3 (3.7)	USP1 (3.5)	NUP93 (1.8)	KPNB1 (1.3)
COL4A3BP (2.3)	ERGIC3 (2.2)	TIMD4 (2.1)	APOE (2.1)	SLC22A2 (2.0)
MCM6 (3.7)	USP1 (3.5)	POC5 (3.4)	NUP93 (1.8)	KPNB1 (1.4)
FEN1 (2.9)	CEP250 (2.8)	ENSG00000228044 (2	ENSG00000236436 (2	GOT2P1 (1.7)
MYLIP (2.0)	IZUMO1 (1.9)	PBX4 (1.7)	GSTM5 (1.7)	GATAD2A (1.6)
KPNB1 (1.8)	TOMM40 (1.8)	GSTM4 (1.7)	DARS (1.7)	SARS (1.7)
ENSG00000226806 (1	GDF5 (1.3)	TSSK6 (1.3)	CILP2 (1.3)	SLC44A2 (1.2)
ERGIC3 (2.0)	KRTCAP3 (1.7)	OTX1 (1.6)	BMPR2 (1.4)	ENSG00000244861 (1
AMIGO1 (2.1)	EHBP1 (1.7)	LPL (1.7)	FUT2 (1.7)	C19orf80 (1.6)
ENSG00000226806 (2	PLCG1 (2.0)	CETP (2.0)	NCAN (1.8)	DARS (1.8)
ENSG00000226806 (2	PLCG1 (2.0)	CETP (2.0)	NCAN (1.8)	DARS (1.8)
SARS (2.1)	GNAI3 (2.0)	SUMO1 (1.9)	DNAH11 (1.9)	PLEC (1.7)
SUGP1 (2.0)	BUD13 (2.0)	R3HDM1 (1.9)	NUP93 (1.8)	PPM1G (1.8)
TOMM40 (1.6)	CLPTM1 (1.6)	PSMA5 (1.6)	C19orf52 (1.3)	SYPL2 (1.2)
MCM6 (3.5)	USP1 (3.4)	ZRANB3 (3.3)	NUP93 (1.6)	KPNB1 (1.3)
KANK2 (1.6)	MYLIP (1.5)	COL4A3BP (1.5)	FUT2 (1.4)	POLK (1.4)
CEP250 (2.2)	FEN1 (2.1)	TOP1 (2.0)	COL4A3BP (2.0)	MCM6 (2.0)
POLK (2.1)	PSRC1 (1.7)	ENSG00000226806 (1	USP1 (1.6)	IST1 (1.5)
SPATC1 (1.9)	IFT172 (1.9)	IZUMO1 (1.9)	ATXN7L2 (1.8)	PCSK9 (1.5)
IFT172 (2.7)	POC5 (2.4)	ERGIC3 (2.4)	BUD13 (2.3)	ZNF259 (2.1)
ZRANB3 (2.8)	NUP93 (2.1)	PPM1G (2.0)	ENSG00000235545 (1	KPNB1 (1.6)
SUMO1 (2.4)	C11orf9 (2.3)	MCM6 (2.2)	ABCG8 (2.2)	USP1 (1.8)
ZRANB3 (1.7)	CILP2 (1.4)	BUD13 (1.3)	DNAH11 (1.3)	HAVCR1 (1.3)
GRINA (2.5)	SARS (2.2)	GPR61 (2.2)	NRBP1 (2.2)	C12orf43 (2.1)
ZNF821 (1.8)	ENSG00000226648 (1	IZUMO1 (1.7)	ENSG00000244861 (1	ENSG00000182329 (1
ERGIC3 (1.4)	NOP58 (1.4)	ATXN7L2 (1.3)	SUMO1 (1.3)	LPAR2 (1.2)
BCAM (1.9)	HNF1A (1.8)	PLEC (1.6)	SORT1 (1.6)	OBP2B (1.5)
ATXN1L (2.4)	NRBP1 (2.3)	C19orf52 (2.2)	EHBP1 (2.2)	MAU2 (2.1)
ENSG00000226645 (1	APOA4 (1.5)	AMIGO1 (1.5)	ABO (1.5)	FNDC4 (1.3)
GATAD2A (2.5)	PPM1G (2.4)	USP1 (2.2)	FEN1 (2.1)	KPNB1 (2.0)
MAU2 (1.9)	GDF5 (1.8)	NYNRIN (1.8)	MYLIP (1.8)	LPAR2 (1.6)
FEN1 (2.2)	MCM6 (2.0)	TXNL4B (1.9)	UBXN4 (1.9)	POC5 (1.8)
FEN1 (2.2)	MCM6 (2.0)	TXNL4B (1.9)	UBXN4 (1.9)	POC5 (1.8)
FGF21 (1.9)	APOE (1.8)	C11orf9 (1.7)	HNF1A (1.7)	CELSR2 (1.7)
IZUMO1 (1.9)	USP1 (1.9)	ENSG00000236267 (1	MCM6 (1.7)	IFT172 (1.7)
SUMO1 (2.3)	CLPTM1 (2.0)	PPM1G (1.9)	GATAD2A (1.9)	PGS1 (1.8)
ENSG00000228044 (1	FADS1 (1.6)	DOCK7 (1.5)	PVR (1.4)	CEP250 (1.4)
LPIN3 (1.8)	POLK (1.5)	SUMO1 (1.4)	C12orf43 (1.3)	ENSG00000226622 (1
FEN1 (2.6)	ENSG00000226622 (2	ZHX3 (2.0)	USP1 (1.9)	CEP250 (1.8)
ABCA5 (2.2)	GRINA (2.2)	SLC22A3 (2.2)	ENSG00000256731 (2	NRBP1 (2.0)
OBP2B (2.1)	TSSK6 (1.9)	SPATC1 (1.7)	FEN1 (1.6)	MCM6 (1.6)
ENSG00000236267 (1	ABCA1 (1.4)	NPEPPS (1.3)	CBLC (1.1)	NOP58 (1.0)
SUMO1 (2.4)	ENSG00000226645 (2	ENSG00000226622 (2	ENSG00000226648 (1	ATXN7L2 (1.9)
HAVCR1 (2.0)	ENSG00000182329 (1	TRIM54 (1.7)	R3HDM1 (1.6)	ATP13A1 (1.5)
POLK (1.9)	C17orf57 (1.8)	DOCK7 (1.8)	PBX4 (1.8)	EHBP1 (1.8)
ZNF513 (1.9)	PBX4 (1.8)	C17orf57 (1.5)	IZUMO1 (1.4)	CEP250 (1.2)
HAPLN4 (2.0)	ENSG00000256731 (1	LIPG (1.6)	SNX17 (1.6)	GMIP (1.6)

PGS1 (1.7)	GMIP (1.7)	GPR61 (1.6)	PMFBP1 (1.4)	MYLIP (1.4)
ENSG00000244861 (2	SPATC1 (2.0)	ENSG00000226648 (1	YSK4 (1.7)	GPR61 (1.5)
CEP250 (2.7)	FEN1 (2.7)	AMIGO1 (2.0)	TXNL4B (2.0)	DHODH (2.0)
C11orf9 (2.5)	TBKBP1 (2.2)	NRBP1 (2.0)	GMIP (1.9)	RASIP1 (1.8)
ATXN1L (2.8)	C19orf52 (2.3)	ZNF259 (2.3)	SUGP1 (2.1)	SUMO1 (2.1)
ATXN1L (2.8)	C19orf52 (2.3)	ZNF259 (2.3)	SUGP1 (2.1)	SUMO1 (2.1)
GMIP (2.2)	SORT1 (2.1)	ENSG00000231204 (2	EHBP1 (1.8)	PSRC1 (1.8)
ENSG00000235545 (1	SARS (1.7)	GSTM4 (1.6)	SPATC1 (1.5)	C12orf43 (1.4)
ENSG00000228044 (0	SLC22A2 (0.7)	ENSG00000226622 (0	ENSG00000236267 (0	HAVCR1 (0.6)
GRINA (2.0)	PGS1 (1.8)	ZNF513 (1.7)	SPATC1 (1.6)	LPIN3 (1.6)
CYB561D1 (2.4)	ENSG00000235545 (2	FEN1 (1.9)	ENSG00000226645 (1	BUD13 (1.7)
C19orf52 (2.0)	GATAD2A (2.0)	SNX17 (1.8)	ATP13A1 (1.7)	GNAI3 (1.6)
TM6SF2 (2.2)	ABCG8 (2.1)	ATP13A1 (2.0)	LPAR2 (2.0)	GNAT2 (2.0)
C17orf57 (2.4)	YSK4 (2.3)	IZUMO1 (1.8)	PBX4 (1.7)	C19orf52 (1.7)
SUGP1 (2.3)	BUD13 (2.2)	POC5 (2.2)	MAP3K4 (1.7)	ZNF513 (1.7)
YSK4 (1.6)	ABO (1.6)	KANK2 (1.5)	RAB3GAP1 (1.5)	C17orf57 (1.3)
ENSG00000244861 (2	NRBP1 (2.3)	SNX17 (2.2)	AMPD2 (2.0)	FGF21 (1.7)
GDF5 (1.9)	ENSG00000226648 (1	ERGIC3 (1.7)	IFT172 (1.7)	CELSR2 (1.6)
YSK4 (2.5)	GPR61 (2.2)	GSTM5 (2.2)	ENSG00000231204 (2	ENSG00000228044 (2
ENSG00000231204 (2	FNDC4 (2.3)	C19orf80 (2.3)	LPL (2.1)	GPR61 (1.9)
AMIGO1 (2.3)	ST3GAL4 (2.1)	DOCK6 (1.9)	GOT2P1 (1.8)	KANK2 (1.7)
ATXN7L2 (1.7)	POC5 (1.7)	DOCK7 (1.6)	ENSG00000235545 (1	POLK (1.5)
ENSG00000226622 (1	MAP3K4 (1.6)	SUMO1 (1.6)	ENSG00000226648 (1	ATXN1L (1.5)
MAU2 (2.0)	GMIP (1.8)	C19orf52 (1.8)	POLK (1.7)	CARM1 (1.7)
PPM1G (2.5)	USP1 (2.5)	NUP93 (2.4)	KPNB1 (2.3)	NOP58 (2.3)
PSRC1 (2.0)	FEN1 (1.8)	POLK (1.8)	HAVCR1 (1.8)	C12orf43 (1.8)
DNAH11 (2.5)	LPAR2 (2.4)	R3HDM1 (1.9)	SLC44A2 (1.8)	EHBP1 (1.7)
POLK (1.8)	DARS (1.7)	TRIB1 (1.6)	DHODH (1.6)	ENSG00000226645 (1
AMIGO1 (1.8)	TRIM54 (1.8)	RASIP1 (1.7)	PVR (1.6)	SPATC1 (1.5)
MCM6 (3.5)	USP1 (3.4)	POC5 (3.4)	MAP3K4 (1.6)	NUP93 (1.4)
ST3GAL4 (1.8)	HNF1A (1.7)	C17orf57 (1.4)	ZRANB3 (1.3)	COL4A3BP (1.2)
SPATC1 (2.0)	KRTCAP3 (1.8)	ABCA1 (1.7)	ZHX3 (1.7)	NCAN (1.7)
NCAN (2.1)	ENSG00000182329 (2	HAPLN4 (2.0)	ENSG00000235545 (1	POC5 (1.7)
KRTCAP3 (1.9)	LCT (1.8)	ENSG00000256731 (1	FUT2 (1.6)	LPIN3 (1.5)
C17orf57 (2.5)	NPEPPS (2.2)	CLPTM1 (1.8)	ZHX3 (1.6)	NRBP1 (1.6)
TSSK6 (1.8)	BMPR2 (1.7)	PVR (1.5)	ENSG00000226806 (1	C17orf57 (1.4)
AMIGO1 (1.6)	LCT (1.6)	DOCK6 (1.5)	CETP (1.5)	LPIN3 (1.4)
SLC44A2 (1.9)	CELSR2 (1.7)	BCAM (1.7)	RASIP1 (1.7)	ENSG00000254235 (1
ENSG00000235545 (1	SUMO1 (1.8)	ENSG00000226645 (1	ZRANB3 (1.5)	PBX4 (1.5)
TOP1 (2.1)	NUP93 (1.9)	DHX38 (1.9)	PPM1G (1.8)	POC5 (1.7)
ENSG00000226648 (1	NYNRIN (1.6)	R3HDM1 (1.5)	HNF1A (1.4)	YIPF2 (1.4)
SUGP1 (2.2)	BUD13 (2.0)	ZNF513 (2.0)	C12orf43 (1.8)	ENSG00000226645 (1
ENSG00000226622 (2	SLC22A2 (1.9)	APOC1 (1.8)	SUGP1 (1.8)	IST1 (1.8)
AMPD2 (2.3)	ENSG00000244861 (2	SNX17 (2.2)	UBXN4 (2.2)	GNAT2 (1.7)
PBX4 (2.3)	ENSG00000244861 (2	IZUMO1 (1.7)	DNAH11 (1.6)	ABO (1.6)
RASIP1 (1.9)	CELSR2 (1.9)	ENSG00000254235 (1	ATXN7L2 (1.5)	IZUMO1 (1.4)
NCAN (2.8)	HAPLN4 (2.4)	BMPR2 (2.3)	AMIGO1 (2.2)	CYB561D1 (2.0)
ENSG00000254235 (1	RAB3GAP1 (1.8)	IGF2R (1.6)	CILP2 (1.4)	C19orf52 (1.4)
PLCG1 (2.4)	GATAD2A (1.9)	NCAN (1.9)	EHBP1 (1.9)	ENSG00000226622 (1
SNX17 (2.3)	ZNF259 (2.3)	SUGP1 (2.1)	C12orf43 (1.9)	LPIN3 (1.9)

NUP93 (2.0)	SUGP1 (2.0)	DARS (1.8)	ZNF259 (1.7)	TOP1 (1.7)
NUP93 (1.6)	PBX4 (1.6)	ATXN1L (1.5)	FEN1 (1.3)	ENSG00000244861 (1
USP1 (2.6)	FEN1 (2.0)	ENSG00000228044 (1	CEP250 (1.8)	PBX4 (1.7)
AMIGO1 (2.3)	GSTM5 (2.3)	MAMSTR (2.2)	LPAL2 (2.0)	SLC22A3 (1.8)
ATXN1L (1.6)	OBP2B (1.5)	GSTM5 (1.3)	C19orf52 (1.2)	ZHX3 (1.1)
IST1 (2.4)	RAB3GAP1 (2.3)	CLPTM1 (2.2)	HMGCR (2.2)	GRINA (2.1)
RAB3GAP1 (2.3)	ZNF259 (2.3)	ZNF513 (2.3)	ATXN7L2 (2.3)	POLK (2.2)
SUMO1 (2.0)	TXNL4B (2.0)	FER1L4 (1.8)	ZHX3 (1.6)	PSMA5 (1.5)
CYB561D1 (2.2)	RAB3GAP1 (2.0)	CLPTM1 (2.0)	ATXN7L2 (1.9)	NRBP1 (1.7)
FADS2 (1.7)	CEP250 (1.6)	GPR61 (1.5)	R3HDM1 (1.5)	GATAD2A (1.4)
AMPD2 (2.2)	FUT1 (2.2)	GMIP (2.1)	USP24 (2.1)	DOCK6 (1.8)
R3HDM1 (1.8)	ENSG00000228044 (1	ENSG00000182329 (1	COL4A3BP (1.6)	C17orf57 (1.2)
CILP2 (1.7)	FUT2 (1.4)	YSK4 (1.3)	TSSK6 (1.2)	FER1L4 (1.2)
SLC22A2 (1.2)	APOC1 (1.1)	ENSG00000236436 (1	LPIN3 (1.0)	ENSG00000235545 (1
YSK4 (1.9)	ABCA5 (1.9)	RAB3GAP1 (1.9)	CLPTM1 (1.8)	USP24 (1.7)
USP1 (2.7)	IFT172 (2.5)	ERGIC3 (2.3)	PSRC1 (2.1)	SUGP1 (2.0)
TXNL4B (2.2)	LPAR2 (2.0)	MAU2 (2.0)	ZNF821 (2.0)	POLK (1.9)
TBKBP1 (2.1)	HAPLN4 (1.9)	SARS (1.7)	PVRL2 (1.7)	KPNB1 (1.7)
GPR61 (2.2)	ENSG00000228044 (2	TSSK6 (2.1)	TRIB1 (1.9)	TBKBP1 (1.7)
AMPD2 (2.5)	IFT172 (2.4)	SNX17 (2.3)	RAB3GAP1 (2.2)	ABCG8 (2.0)
FGF21 (2.1)	MCM6 (2.0)	FEN1 (2.0)	PARP10 (1.8)	ZRANB3 (1.7)
IST1 (2.1)	YSK4 (1.9)	SUMO1 (1.8)	LPA (1.8)	C12orf43 (1.7)
IZUMO1 (1.9)	HAVCR1 (1.7)	SLC22A2 (1.6)	MAMSTR (1.6)	PMFBP1 (1.6)
SARS (1.6)	NYNRIN (1.6)	CELSR2 (1.5)	ENSG00000182329 (1	C11orf9 (1.4)
CYB561D1 (2.4)	C19orf52 (2.3)	ENSG00000256731 (1	YIPF2 (1.7)	SUMO1 (1.7)
OBP2B (2.5)	ZNF821 (1.9)	PBX4 (1.8)	YSK4 (1.5)	C11orf9 (1.3)
HAPLN4 (1.9)	SPATC1 (1.9)	ENSG00000228044 (1	FUT1 (1.8)	LDLR (1.5)
CEP250 (1.6)	ENSG00000236267 (1	GOT2P1 (1.5)	POC5 (1.5)	ENSG00000226648 (1
RAB3GAP1 (1.6)	ENSG00000226645 (1	YIPF2 (1.6)	SUGP1 (1.5)	MAU2 (1.5)
USP1 (2.0)	DNAH11 (1.8)	MAU2 (1.5)	C19orf52 (1.4)	HAPLN4 (1.3)
LPIN3 (2.4)	AMPD2 (2.2)	SYPL2 (2.1)	ENSG00000226648 (1	ATXN1L (1.8)
DNAH11 (2.4)	GPR61 (2.4)	ENSG00000244861 (1	ENSG00000236267 (1	TBKBP1 (1.7)
IST1 (2.5)	TXNL4B (2.5)	ZNF513 (2.2)	ENSG00000226622 (2	SUMO1 (2.2)
TSSK6 (2.1)	DNAH11 (2.0)	ENSG00000231204 (1	PMFBP1 (1.7)	CILP2 (1.5)
ZNF259 (2.6)	IST1 (2.5)	PPM1G (2.5)	SARS (2.4)	NPEPPS (2.3)
DNAH11 (2.3)	IZUMO1 (2.2)	ENSG00000244861 (2	POLK (1.6)	USP1 (1.6)
CLPTM1 (1.9)	IST1 (1.9)	C12orf43 (1.8)	RAB3GAP1 (1.7)	TOMM40 (1.7)
ENSG00000182329 (2	ENSG00000226622 (1	ENSG00000228044 (1	TSSK6 (1.2)	SUMO1 (1.0)
SLC22A3 (2.2)	GPR61 (2.0)	GNAT2 (1.8)	ENSG00000226645 (1	ENSG00000256731 (1
ATXN1L (2.3)	LPA (2.2)	AMPD2 (2.2)	LPIN3 (2.2)	SPATC1 (2.0)
PCSK9 (2.5)	GPR61 (2.4)	FADS2 (2.3)	SLC22A3 (2.1)	GSTM4 (1.9)
C17orf57 (2.5)	IST1 (1.7)	PBX4 (1.7)	SUMO1 (1.6)	TXNL4B (1.5)
OBP2B (2.1)	ABO (2.0)	YSK4 (2.0)	GSTM5 (1.6)	AMIGO1 (1.6)
GMIP (1.6)	ENSG00000235545 (1	ENSG00000228044 (1	ENSG00000226645 (1	GDF5 (1.2)
TOMM40 (3.1)	C12orf43 (3.0)	SUGP1 (2.0)	POC5 (1.9)	ENSG00000226645 (1
OBP2B (1.9)	DNAH11 (1.7)	IST1 (1.7)	DOCK7 (1.6)	TBKBP1 (1.5)
C17orf57 (2.2)	MAMSTR (2.2)	IST1 (2.2)	MAU2 (2.1)	NOP58 (2.1)
PMFBP1 (1.9)	EHBP1 (1.9)	ENSG00000236267 (1	FUT2 (1.6)	NRBP1 (1.6)
DHODH (2.8)	IFT172 (2.8)	FGF21 (2.5)	C12orf43 (2.2)	POC5 (2.2)
DHODH (2.8)	IFT172 (2.8)	FGF21 (2.5)	C12orf43 (2.2)	POC5 (2.2)

ENSG00000226622 (2	TSSK6 (1.8)	ENSG00000231204 (1	TXNL4B (1.7)	BUD13 (1.5)
MCM6 (3.7)	ZRANB3 (3.7)	USP1 (3.3)	NUP93 (1.8)	ENSG00000226648 (1
YSK4 (2.2)	C11orf9 (2.1)	NCAN (2.0)	APOE (1.9)	MAFB (1.6)
ZHX3 (1.8)	AMIGO1 (1.7)	GPR61 (1.4)	TIMD4 (1.4)	MAMSTR (1.3)
SLC44A2 (1.7)	GSTM5 (1.7)	HAVCR1 (1.6)	MAMSTR (1.6)	ZRANB3 (1.5)
CELSR2 (2.2)	C11orf9 (2.1)	AMIGO1 (2.0)	SORT1 (1.6)	GOT2P1 (1.6)
CYP26A1 (1.9)	NFE2L3 (1.8)	PMFBP1 (1.7)	COL4A3BP (1.6)	ENSG00000256731 (1
DHX38 (1.9)	BUD13 (1.9)	PSMA5 (1.7)	MAP3K4 (1.7)	GATAD2A (1.6)
ENSG00000254235 (2	ENSG00000236267 (1	ENSG00000226622 (1	LPAR2 (1.6)	DOCK7 (1.4)
FGF21 (2.1)	CELSR2 (1.8)	C11orf9 (1.7)	LPAL2 (1.7)	APOE (1.5)
DARS (2.4)	RAB3GAP1 (2.2)	R3HDM1 (1.8)	USP1 (1.8)	C19orf52 (1.8)
DARS (2.1)	C19orf52 (2.1)	SMARCA4 (2.1)	NUP93 (2.0)	MAP3K4 (1.9)
USP24 (1.6)	BMPR2 (1.6)	PLCG1 (1.5)	ENSG00000235545 (1	AMIGO1 (1.5)
ENSG00000236436 (1	GSTM5 (1.8)	SYPL2 (1.8)	TBKBP1 (1.6)	ATXN7L2 (1.6)
MAMSTR (2.1)	GOT2P1 (2.0)	ABCA6 (1.5)	FGF21 (1.4)	PBX4 (1.3)
PBX4 (1.5)	ZNF821 (1.3)	ERGIC3 (1.3)	MAMSTR (1.2)	AMPD2 (1.1)
AMIGO1 (2.0)	KRTCAP3 (1.9)	ENSG00000236436 (1	PBX4 (1.6)	C11orf9 (1.4)
C19orf52 (1.5)	ENSG00000236267 (1	SUMO1 (1.2)	YSK4 (1.2)	APOC1 (1.2)
GPAM (2.0)	CYB561D1 (1.6)	IZUMO1 (1.4)	RAB3GAP1 (1.3)	GOT2P1 (1.3)
SNX17 (2.0)	TSSK6 (1.9)	FUT2 (1.8)	ZNF821 (1.7)	PPM1G (1.7)
USP24 (2.1)	ENSG00000236436 (1	BUD13 (1.9)	LPAR2 (1.9)	SLC44A2 (1.7)
ENSG00000226645 (1	ENSG00000254235 (1	MAP3K4 (1.3)	ENSG00000226806 (1	TIMD4 (1.2)
ENSG00000236267 (2	YSK4 (2.1)	LIPG (1.5)	MAMSTR (1.5)	C19orf52 (1.4)
PGS1 (1.7)	LPIN3 (1.7)	CLPTM1 (1.6)	ERGIC3 (1.4)	ENSG00000244861 (1
MAMSTR (2.1)	TSSK6 (1.9)	HAVCR1 (1.8)	ZRANB3 (1.6)	ENSG00000236267 (1
GDF5 (1.8)	PCSK9 (1.7)	PVR (1.6)	ABO (1.6)	TBKBP1 (1.6)
FUT2 (2.0)	AMIGO1 (1.9)	EHBP1 (1.8)	LPL (1.6)	C19orf80 (1.6)
C12orf43 (1.9)	GOT2P1 (1.8)	DNAH11 (1.7)	GPR61 (1.7)	ABCA6 (1.5)
ENSG00000228044 (1	FUT2 (1.7)	C17orf57 (1.7)	ABCA5 (1.6)	MYLIP (1.5)
ATXN7L2 (1.8)	MAU2 (1.8)	DHX38 (1.8)	BMPR2 (1.7)	SMARCA4 (1.7)
EHBP1 (1.9)	ENSG00000236436 (1	FUT2 (1.8)	GPAM (1.6)	LPL (1.6)
GOT2P1 (2.1)	MAP3K4 (2.1)	SORT1 (2.0)	GATAD2A (1.9)	SNX17 (1.9)
ZNF513 (1.8)	CEP250 (1.7)	ZNF821 (1.7)	SUMO1 (1.6)	CARM1 (1.6)
SMARCA4 (2.4)	NPEPPS (2.3)	NRBP1 (2.2)	GMIP (2.0)	COL4A3BP (1.9)
GPR61 (2.4)	LPL (2.2)	AMPD2 (2.1)	RASIP1 (1.7)	R3HDM1 (1.5)
NOP58 (2.2)	ZNF259 (2.0)	ENSG00000228044 (1	KPNB1 (1.8)	PPM1G (1.8)
CYP26A1 (2.0)	ENSG00000244861 (1	CBLC (1.7)	IST1 (1.6)	ATXN1L (1.6)
CARM1 (1.7)	IST1 (1.7)	MAMSTR (1.7)	HNF4A (1.6)	TBKBP1 (1.6)
HAPLN4 (2.2)	ABCA1 (2.1)	MAFB (1.8)	APOC1 (1.7)	LCT (1.7)
CARM1 (1.9)	SNX17 (1.9)	YSK4 (1.8)	ENSG00000254235 (1	ATXN1L (1.8)
HAPLN4 (1.6)	C11orf9 (1.3)	ENSG00000256731 (1	FUT2 (1.2)	LPL (1.2)
USP24 (1.8)	RASIP1 (1.7)	GNAI3 (1.7)	YSK4 (1.6)	ENSG00000244861 (1
APOA4 (2.1)	FUT1 (2.1)	HNF1A (1.9)	SORT1 (1.9)	IZUMO1 (1.8)
POC5 (2.3)	BUD13 (2.1)	NOP58 (2.0)	CARM1 (2.0)	TXNL4B (1.7)
NCAN (1.8)	CELSR2 (1.6)	AMPD2 (1.5)	FADS2 (1.4)	ENSG00000235545 (1
NCAN (1.8)	CELSR2 (1.6)	AMPD2 (1.5)	FADS2 (1.4)	ENSG00000235545 (1
NCAN (1.8)	CELSR2 (1.6)	AMPD2 (1.5)	FADS2 (1.4)	ENSG00000235545 (1
ENSG00000226622 (1	PSMA5 (1.8)	BMPR2 (1.7)	MAP3K4 (1.5)	PPM1G (1.5)
PBX4 (2.0)	DARS (1.8)	C17orf57 (1.8)	ENSG00000226648 (1	ENSG00000244861 (1
CLPTM1 (2.7)	COL4A3BP (2.5)	FNDC4 (2.3)	GATAD2A (1.9)	NPEPPS (1.7)

ENSG00000226622 (1	SYPL2 (1.7)	FGF21 (1.7)	LPAL2 (1.7)	AMIGO1 (1.4)
ABCA5 (1.8)	NFE2L3 (1.7)	LPIN3 (1.6)	MAMSTR (1.5)	GDF5 (1.4)
TSSK6 (1.9)	FER1L4 (1.9)	HAVCR1 (1.8)	ZRANB3 (1.7)	GDF5 (1.6)
SUMO1 (2.0)	ENSG00000226648 (1	ENSG00000226622 (1	ENSG00000226645 (1	NOP58 (1.5)
ENSG00000244861 (1	ENSG00000226648 (2	DHODH (2.1)	POC5 (2.1)	POLK (2.0)
POC5 (2.1)	ATXN7L2 (2.1)	C12orf43 (2.0)	DARS (1.8)	BUD13 (1.8)
ABO (1.8)	ST3GAL4 (1.7)	FUT2 (1.7)	SORT1 (1.6)	ZNF821 (1.4)
OTX1 (2.5)	C11orf9 (2.0)	ZNF821 (1.9)	PBX4 (1.8)	ATXN7L2 (1.4)
NPEPPS (1.8)	R3HDM1 (1.8)	MAP3K4 (1.7)	PVR (1.7)	POLK (1.7)
POLK (1.7)	GSTM4 (1.6)	PGS1 (1.6)	ENSG00000236436 (1	SYPL2 (1.4)
FER1L4 (2.1)	ENSG00000226622 (1	GSTM5 (1.8)	TSSK6 (1.7)	PMFBP1 (1.7)
USP24 (2.3)	PLCG1 (2.3)	ZNF821 (2.3)	KRTCAP3 (2.0)	PPM1G (1.8)
YIPF2 (2.8)	TXNL4B (2.7)	CLPTM1 (2.6)	ATP13A1 (2.3)	C19orf52 (2.1)
CYB561D1 (2.1)	TIMD4 (2.0)	PBX4 (2.0)	LPAR2 (1.8)	RELB (1.6)
LPIN3 (1.7)	NCAN (1.7)	GNAT2 (1.3)	ENSG00000256731 (1	C12orf43 (1.2)
ERGIC3 (2.6)	SUGP1 (1.9)	ATP13A1 (1.7)	PGS1 (1.6)	NOP58 (1.4)
SARS (2.2)	C19orf52 (2.0)	POLK (1.8)	MYLIP (1.6)	GATAD2A (1.5)
COL4A3BP (1.7)	FGF21 (1.7)	SPATC1 (1.6)	SLC22A3 (1.5)	LPAL2 (1.5)
IZUMO1 (2.1)	GSTM5 (1.8)	OBP2B (1.6)	SUMO1 (1.2)	ZNF821 (1.2)
MYLIP (1.8)	CEP250 (1.7)	LCT (1.6)	PLCG1 (1.4)	USP24 (1.4)
GOT2P1 (1.7)	EHBP1 (1.7)	NCAN (1.6)	LPL (1.5)	GPR61 (1.5)
ZNF513 (1.8)	PVR (1.7)	IST1 (1.6)	PARP10 (1.5)	C19orf80 (1.4)
ZNF513 (2.1)	PBX4 (1.9)	ENSG00000226645 (1	C17orf57 (1.7)	IZUMO1 (1.7)
PMFBP1 (1.9)	SNX17 (1.6)	HAPLN4 (1.5)	SLC22A2 (1.5)	ENSG00000235545 (1
C17orf57 (1.9)	GPR61 (1.8)	DNAH11 (1.8)	ENSG00000231204 (1	ENSG00000236267 (1
TRIM54 (1.6)	TBKBP1 (1.5)	KANK2 (1.5)	ENSG00000244861 (1	LCT (1.4)
OTX1 (1.9)	CYP26A1 (1.9)	MAU2 (1.7)	EHBP1 (1.5)	NCAN (1.5)
SPATC1 (1.6)	GSTM5 (1.6)	APOA4 (1.4)	HAPLN4 (1.4)	ATXN7L2 (1.3)
PBX4 (2.0)	FEN1 (1.9)	CEP250 (1.8)	C11orf9 (1.7)	TXNL4B (1.7)
POC5 (2.2)	BUD13 (2.2)	SUGP1 (2.0)	ZNF513 (2.0)	KRTCAP3 (1.8)
SPATC1 (2.5)	LPAR2 (2.4)	IFT172 (2.2)	OBP2B (2.2)	ZRANB3 (2.2)
C11orf9 (2.2)	PVRL2 (2.0)	SNX17 (1.8)	GSTM5 (1.7)	PLCG1 (1.7)
C17orf57 (2.2)	PBX4 (2.1)	CYB561D1 (2.0)	ATXN1L (2.0)	ENSG00000236267 (2
NRBP1 (1.8)	CELSR2 (1.7)	OBP2B (1.7)	PLEC (1.6)	TOP1 (1.6)
POC5 (1.9)	C19orf52 (1.7)	MAU2 (1.6)	C12orf43 (1.5)	NPEPPS (1.3)
ENSG00000226648 (2	KANK2 (2.2)	C17orf57 (2.2)	LPAL2 (1.7)	SORT1 (1.4)
YIPF2 (2.4)	SNX17 (2.4)	IFT172 (2.4)	ZNF259 (2.3)	SUGP1 (2.3)
ENSG00000226645 (1	ENSG00000228044 (1	ENSG00000244861 (1	C17orf57 (1.7)	HNF1A (1.7)
SARS (2.1)	RAB3GAP1 (2.0)	SNX17 (2.0)	CLPTM1 (1.8)	SUGP1 (1.7)
SNX17 (2.1)	FEN1 (1.9)	PLCG1 (1.9)	IGF2R (1.9)	FER1L4 (1.8)
AMPD2 (2.3)	HAPLN4 (2.3)	IST1 (2.3)	GPR61 (2.0)	SNX17 (1.8)
NCAN (2.3)	NPEPPS (2.1)	ENSG00000226648 (2	POC5 (1.9)	GSTM5 (1.9)
PBX4 (2.2)	CYB561D1 (2.0)	TIMD4 (1.9)	LPAR2 (1.9)	RELB (1.6)
C17orf57 (3.1)	ENSG00000182329 (2	LPAL2 (2.7)	FGF21 (2.4)	CYB561D1 (2.0)
C17orf57 (3.1)	ENSG00000182329 (2	LPAL2 (2.7)	FGF21 (2.4)	CYB561D1 (2.0)
ENSG00000254235 (2	HAPLN4 (2.2)	R3HDM1 (2.0)	C11orf9 (1.9)	ENSG00000226645 (1
GOT2P1 (2.0)	EHBP1 (1.9)	ZNF821 (1.9)	ABO (1.7)	CELSR2 (1.6)
GNAI3 (1.8)	CBLC (1.8)	SUMO1 (1.7)	CYB561D1 (1.7)	C11orf9 (1.7)
AMPD2 (2.2)	ZNF513 (1.8)	ENSG00000244861 (1	R3HDM1 (1.7)	CYB561D1 (1.6)
SUMO1 (1.6)	GNAI3 (1.6)	PGS1 (1.5)	LPIN3 (1.5)	ABO (1.4)

CYB561D1 (2.0)	COL4A3BP (1.8)	C11orf9 (1.7)	CEP250 (1.7)	AMPD2 (1.5)
POLK (1.9)	BMPR2 (1.9)	NYNRIN (1.7)	ABO (1.7)	GSTM5 (1.5)
LPIN3 (1.7)	FNDC4 (1.7)	GPR61 (1.7)	SPATC1 (1.7)	EHBP1 (1.6)
BUD13 (2.5)	ZNF513 (2.3)	C12orf43 (2.1)	SUGP1 (2.0)	DHX38 (1.8)
C11orf9 (1.8)	GOT2P1 (1.7)	SORT1 (1.6)	C12orf43 (1.6)	NYNRIN (1.5)
NCAN (2.3)	GSTM5 (2.0)	OTX1 (1.9)	ENSG00000236436 (1	ZHX3 (1.8)
EHBP1 (1.7)	DNAH11 (1.6)	PVRL2 (1.6)	CEP250 (1.6)	DOCK7 (1.4)
ZRANB3 (1.9)	IFT172 (1.8)	HAVCR1 (1.6)	POC5 (1.6)	CETP (1.6)
RELB (2.4)	NRBP1 (2.3)	POLK (2.3)	PLEC (2.1)	OASL (1.9)
ENSG00000182329 (2	GOT2P1 (2.1)	C12orf43 (2.0)	NYNRIN (1.8)	CILP2 (1.6)
DARS (2.1)	SYPL2 (2.0)	GPAM (1.9)	TBKBP1 (1.8)	ERGIC3 (1.6)
PBX4 (2.2)	ABCA5 (1.7)	LPIN3 (1.6)	OTX1 (1.4)	C17orf57 (1.4)
YIPF2 (1.6)	ATXN7L2 (1.6)	KRTCAP3 (1.6)	ENSG00000226622 (1	ENSG00000244861 (1
SUGP1 (2.2)	PMFBP1 (2.1)	SPATC1 (1.8)	EHBP1 (1.7)	POLK (1.7)
CYB561D1 (1.7)	FGF21 (1.7)	ATXN1L (1.6)	SORT1 (1.6)	ENSG00000244861 (1
RAB3GAP1 (1.2)	FUT2 (1.2)	GPAM (1.1)	GOT2P1 (1.0)	PSMA5 (1.0)
NRBP1 (2.7)	COL4A3BP (2.3)	FNDC4 (2.1)	SLC22A2 (1.7)	IST1 (1.7)
TSSK6 (2.1)	ENSG00000236267 (1	ENSG00000244861 (1	FUT1 (1.5)	C11orf9 (1.2)
MYLIP (1.5)	NYNRIN (1.5)	CYP26A1 (1.5)	C19orf80 (1.4)	ENSG00000236436 (1
DHX38 (2.5)	MAU2 (2.4)	NUP93 (2.3)	C19orf52 (1.9)	SNX17 (1.9)
ENSG00000244861 (2	NPEPPS (2.0)	SPATC1 (2.0)	C17orf57 (1.7)	ENSG00000226648 (1
UBXN4 (2.6)	ATXN7L2 (2.5)	ENSG00000226648 (2	CARM1 (2.0)	R3HDM1 (2.0)
IFT172 (2.4)	ERGIC3 (2.4)	POC5 (2.4)	ZNF821 (2.1)	ZNF259 (1.9)
HMGCR (2.3)	FADS2 (2.3)	LDLR (2.3)	HAPLN4 (2.2)	MAMSTR (2.2)
SUMO1 (1.9)	MAMSTR (1.9)	FEN1 (1.8)	NUP93 (1.8)	MYLIP (1.6)
SUMO1 (1.9)	MAMSTR (1.9)	FEN1 (1.8)	NUP93 (1.8)	MYLIP (1.6)
CYB561D1 (2.4)	YIPF2 (2.4)	CLPTM1 (1.9)	BMPR2 (1.7)	ABCA5 (1.6)
C12orf43 (2.4)	SNX17 (2.2)	ERGIC3 (2.1)	ZNF259 (2.0)	SUGP1 (2.0)
ENSG00000236267 (2	FUT2 (2.2)	C11orf9 (1.5)	LIPG (1.5)	MAMSTR (1.5)
EHBP1 (2.6)	DOCK7 (2.6)	USP24 (2.5)	NRBP1 (2.1)	NPEPPS (2.0)
MAMSTR (1.3)	ZRANB3 (1.2)	PBX4 (1.2)	ENSG00000226622 (1	SPATC1 (1.0)
C19orf52 (1.7)	ERGIC3 (1.7)	CLPTM1 (1.6)	ABCA5 (1.6)	ABCA6 (1.5)
ABCA5 (1.7)	POLK (1.7)	GPR61 (1.5)	GPAM (1.3)	MAMSTR (1.3)
ENSG00000226806 (2	TXNL4B (2.1)	MAU2 (2.0)	NPEPPS (2.0)	GATAD2A (1.9)
IST1 (2.2)	POC5 (2.2)	BUD13 (2.1)	MAP3K4 (2.0)	DHX38 (1.9)
PPM1G (1.8)	USP1 (1.8)	BUD13 (1.7)	C19orf52 (1.7)	AMIGO1 (1.6)
AMIGO1 (2.8)	NCAN (2.6)	TRIM54 (2.5)	HAPLN4 (2.4)	CELSR2 (2.1)
FER1L4 (1.7)	NYNRIN (1.7)	ENSG00000236436 (1	CYP26A1 (1.7)	ENSG00000182329 (1
HAPLN4 (1.9)	FUT1 (1.8)	ENSG00000235545 (1	ENSG00000254235 (1	LPAL2 (1.3)
GSTM4 (2.8)	SLC22A3 (2.6)	FUT1 (2.2)	FER1L4 (2.0)	IZUMO1 (1.8)
IFT172 (2.9)	DHODH (2.9)	FGF21 (2.6)	POC5 (2.2)	SUGP1 (1.9)
AMPD2 (2.2)	ZNF513 (1.9)	ENSG00000244861 (1	SPATC1 (1.7)	USP24 (1.5)
YSK4 (1.9)	CYB561D1 (1.8)	CARM1 (1.7)	NPEPPS (1.7)	IZUMO1 (1.6)
AMPD2 (1.7)	GATAD2A (1.6)	IST1 (1.6)	NCAN (1.6)	PMFBP1 (1.5)
SYPL2 (2.0)	ANGPTL3 (1.8)	ENSG00000235545 (1	LPL (1.5)	ENSG00000228044 (1
GDF5 (2.1)	ZNF821 (2.0)	C17orf57 (2.0)	HNF1A (1.9)	C11orf9 (1.9)
RASIP1 (2.0)	GSTM5 (1.9)	POLK (1.8)	LPL (1.8)	ST3GAL4 (1.6)
NUP93 (2.0)	TSSK6 (1.6)	ENSG00000236267 (1	USP1 (1.5)	EHBP1 (1.5)
GOT2P1 (1.6)	GPR61 (1.6)	ABCA6 (1.6)	C11orf9 (1.5)	SORT1 (1.5)
CILP2 (1.7)	ZNF821 (1.7)	SPATC1 (1.6)	FUT2 (1.6)	IGF2R (1.6)

EHBP1 (2.0)	ATXN1L (1.7)	OTX1 (1.5)	TSSK6 (1.5)	YSK4 (1.4)
SNX17 (2.0)	TIMD4 (2.0)	GSTM5 (1.8)	C12orf43 (1.7)	CETP (1.6)
HNF1A (2.2)	LIPG (1.8)	ENSG00000226622 (1	OTX1 (1.7)	CILP2 (1.6)
GOT2P1 (1.8)	ABCA6 (1.7)	C12orf43 (1.7)	CELSR2 (1.5)	GSTM5 (1.4)
GDF5 (1.8)	SLC44A2 (1.6)	C17orf57 (1.6)	DNAH11 (1.5)	CILP2 (1.5)
GOT2P1 (2.2)	DHX38 (2.0)	RAB3GAP1 (1.9)	ZNF259 (1.7)	ATXN7L2 (1.5)
BCAM (1.8)	TIMD4 (1.8)	APOE (1.8)	LPL (1.6)	AMIGO1 (1.6)
TXNL4B (2.4)	BUD13 (1.9)	FEN1 (1.8)	DHX38 (1.7)	KPNB1 (1.7)
USP24 (1.7)	HAVCR1 (1.6)	GMIP (1.5)	PBX4 (1.4)	APOE (1.4)
GSTM4 (1.7)	ENSG00000236436 (1	GPR61 (1.5)	GRINA (1.3)	ERGIC3 (1.2)
ENSG00000231204 (2	POLK (1.9)	OTX1 (1.8)	ABO (1.6)	CILP2 (1.5)
ENSG00000231204 (2	POLK (1.9)	OTX1 (1.8)	ABO (1.6)	CILP2 (1.5)
ENSG00000231204 (2	POLK (1.9)	OTX1 (1.8)	ABO (1.6)	CILP2 (1.5)
ENSG00000236267 (1	C19orf52 (1.5)	APOC1 (1.3)	PBX4 (1.2)	HAVCR1 (1.2)
FNDC4 (3.0)	FER1L4 (2.0)	SNX17 (2.0)	GATAD2A (1.7)	RAB3GAP1 (1.7)
GATAD2A (2.0)	ZNF259 (1.9)	DHX38 (1.8)	ENSG00000256731 (1	DARS (1.5)
SPATC1 (1.8)	LPIN3 (1.8)	FNDC4 (1.8)	GPR61 (1.7)	EHBP1 (1.6)
ENSG00000226806 (2	CETP (2.0)	SUMO1 (1.9)	ENSG00000235545 (1	GDF5 (1.7)
CBLC (2.4)	FER1L4 (1.8)	LPIN3 (1.7)	PMFBP1 (1.6)	CELSR2 (1.4)
USP1 (2.0)	DARS (1.9)	KPNB1 (1.9)	ENSG00000231204 (1	DOCK7 (1.7)
USP1 (2.0)	DARS (1.9)	KPNB1 (1.9)	ENSG00000231204 (1	DOCK7 (1.7)
USP1 (2.0)	DARS (1.9)	KPNB1 (1.9)	ENSG00000231204 (1	DOCK7 (1.7)
USP1 (2.0)	DARS (1.9)	KPNB1 (1.9)	ENSG00000231204 (1	DOCK7 (1.7)
LPIN3 (1.5)	GRINA (1.5)	MAMSTR (1.4)	ERGIC3 (1.3)	CELSR2 (1.3)
SLC22A3 (2.4)	GSTM4 (1.9)	FNDC4 (1.8)	TBKBP1 (1.8)	PMFBP1 (1.8)
MAMSTR (2.1)	KANK2 (1.9)	HNF4A (1.5)	SLC22A2 (1.4)	HAVCR1 (1.4)
GSTM5 (2.2)	AMIGO1 (2.1)	NFE2L3 (2.0)	MAMSTR (1.9)	TRAM2 (1.9)
OTX1 (2.2)	GOT2P1 (2.2)	TBKBP1 (2.1)	HAPLN4 (2.1)	COL4A3BP (1.9)
HAVCR1 (2.1)	GMIP (1.9)	LCT (1.8)	NFE2L3 (1.4)	ZNF513 (1.2)
GPAM (1.7)	MAMSTR (1.6)	GSTM4 (1.5)	HAVCR1 (1.4)	ST3GAL4 (1.4)
AMIGO1 (2.0)	C11orf9 (1.7)	BMPR2 (1.6)	APOE (1.4)	PLCG1 (1.4)
USP1 (3.3)	NUP93 (3.3)	CEP250 (2.7)	TOP1 (2.5)	SMARCA4 (2.4)
GATAD2A (2.2)	POLK (2.1)	MAP3K4 (2.0)	NCAN (1.9)	ZHX3 (1.9)
EHBP1 (2.5)	CYB561D1 (2.1)	ZNF821 (2.1)	FNDC4 (2.0)	PMFBP1 (1.7)
RAB3GAP1 (1.9)	IZUMO1 (1.8)	ATXN1L (1.6)	ATP13A1 (1.6)	ABCA5 (1.5)
NRBP1 (2.2)	IFT172 (2.1)	SNX17 (2.1)	SLC22A2 (2.1)	SARS (2.0)
FNDC4 (1.8)	C11orf9 (1.8)	GDF5 (1.7)	CELSR2 (1.6)	R3HDM1 (1.5)
POLK (1.8)	KANK2 (1.7)	ZNF513 (1.5)	IZUMO1 (1.5)	YSK4 (1.4)
COL4A3BP (2.3)	POC5 (2.2)	C17orf57 (2.1)	BUD13 (2.0)	PPM1G (1.9)
MAMSTR (1.3)	PBX4 (1.3)	ENSG00000226622 (1	MAP3K4 (1.2)	LDLR (1.1)
YSK4 (1.6)	C17orf57 (1.5)	ABO (1.4)	SYPL2 (1.4)	SORT1 (1.3)
PVR (1.9)	HNF4A (1.9)	MAMSTR (1.9)	GPR61 (1.8)	ENSG00000182329 (1
MCM6 (3.6)	USP1 (3.4)	POC5 (3.3)	NUP93 (1.8)	CEP250 (1.4)
CETP (1.6)	LPIN3 (1.6)	HAVCR1 (1.6)	HNF1A (1.4)	ENSG00000226648 (1
NUP93 (1.8)	BMPR2 (1.7)	SUMO1 (1.6)	R3HDM1 (1.6)	ZNF821 (1.5)
GRINA (1.6)	ERGIC3 (1.5)	MAMSTR (1.4)	ENSG00000236436 (1	CELSR2 (1.3)
USP1 (2.6)	FEN1 (2.1)	ENSG00000228044 (2	PBX4 (1.8)	CEP250 (1.8)
USP1 (2.6)	FEN1 (2.1)	ENSG00000228044 (2	PBX4 (1.8)	CEP250 (1.8)
ENSG00000244861 (2	NYNRIN (1.9)	ENSG00000236436 (1	PMFBP1 (1.4)	ZNF821 (1.3)
FGF21 (2.3)	CILP2 (2.2)	DNAH11 (2.2)	ZHX3 (2.1)	ENSG00000182329 (2

USP1 (2.6)	FEN1 (2.1)	ENSG00000228044 (1	MCM6 (1.7)	PBX4 (1.7)
SORT1 (2.5)	BMPR2 (2.5)	GPR61 (2.4)	AMIGO1 (2.3)	FNDC4 (2.2)
FNDC4 (3.0)	ENSG00000182329 (2	CELSR2 (2.1)	TBKBP1 (2.1)	OBP2B (1.9)
C11orf9 (1.7)	ENSG00000226806 (1	LIPC (1.5)	ATXN7L2 (1.4)	HAVCR1 (1.4)
BUD13 (2.0)	POC5 (2.0)	FER1L4 (1.9)	ATXN1L (1.8)	DNAH11 (1.7)
POC5 (2.8)	USP1 (2.1)	ZRANB3 (2.0)	NUP93 (1.8)	NOP58 (1.5)
ENSG00000236436 (2	SLC22A3 (2.0)	GSTM5 (2.0)	ABCA6 (1.8)	FADS2 (1.7)
CEP250 (2.1)	ENSG00000226806 (1	IGF2R (1.7)	BCAM (1.7)	LPAR2 (1.6)
SPATC1 (1.8)	USP1 (1.8)	LCT (1.8)	BUD13 (1.7)	DARS (1.7)
ENSG00000244861 (1	C12orf43 (1.8)	MAU2 (1.7)	DOCK7 (1.7)	ABCA5 (1.7)
ENSG00000226806 (1	C19orf52 (1.3)	HAVCR1 (1.3)	DOCK7 (1.3)	PBX4 (1.2)
OBP2B (1.5)	LPIN3 (1.4)	GOT2P1 (1.3)	KRTCAP3 (1.2)	ENSG00000226622 (1
SORT1 (2.1)	TRIM54 (2.1)	R3HDM1 (1.9)	FUT1 (1.9)	GPR61 (1.6)
GNAI3 (1.8)	CYB561D1 (1.8)	SUMO1 (1.8)	CBLC (1.7)	FUT2 (1.6)
ENSG00000236436 (1	ENSG00000231204 (1	MYLIP (1.8)	ZNF821 (1.8)	CBLC (1.5)
ABCA6 (1.8)	AMIGO1 (1.6)	TSSK6 (1.6)	SUGP1 (1.5)	SPATC1 (1.4)
C11orf9 (1.9)	NPEPPS (1.8)	AMPD2 (1.6)	CELSR2 (1.4)	ENSG00000254235 (1
ZNF513 (1.4)	YIPF2 (1.4)	NYNRIN (1.2)	AMPD2 (1.2)	ENSG00000226622 (1
AMIGO1 (2.0)	OTX1 (1.7)	SLC22A3 (1.7)	FUT2 (1.6)	FNDC4 (1.5)
PSRC1 (2.1)	PBX4 (2.1)	MAMSTR (1.9)	FER1L4 (1.8)	ENSG00000226645 (1
OBP2B (2.0)	CYP26A1 (1.9)	BMPR2 (1.9)	EHBP1 (1.8)	ATXN1L (1.6)
IST1 (2.3)	CLPTM1 (2.1)	PSMA5 (2.1)	SORT1 (1.9)	LPL (1.8)
AMPD2 (2.3)	CLPTM1 (2.3)	HAPLN4 (2.2)	GPR61 (2.0)	GRINA (1.6)
BUD13 (1.8)	FUT2 (1.7)	PLEC (1.6)	ENSG00000244861 (1	YSK4 (1.4)
SLC22A3 (2.4)	LDLR (2.2)	R3HDM1 (2.2)	TOMM40 (1.9)	MAP3K4 (1.7)
ENSG00000228044 (1	ENSG00000244861 (1	CILP2 (1.6)	FUT1 (1.6)	ENSG00000182329 (1
C12orf43 (1.7)	ABCA5 (1.5)	GOT2P1 (1.4)	NCAN (1.4)	HAPLN4 (1.4)
BMPR2 (1.8)	ENSG00000226645 (1	ABO (1.8)	PBX4 (1.7)	C19orf52 (1.7)
PMFBP1 (2.0)	ENSG00000256731 (2	GNAT2 (1.9)	HNF1A (1.6)	HNF4A (1.6)
LCT (2.3)	MCM6 (2.0)	POC5 (1.8)	LPIN3 (1.8)	TSSK6 (1.4)
GSTM5 (1.7)	ST3GAL4 (1.7)	OTX1 (1.7)	C17orf57 (1.6)	CELSR2 (1.6)
IST1 (2.7)	SNX17 (1.9)	AMPD2 (1.8)	UBXN4 (1.7)	RAB3GAP1 (1.5)
LPIN3 (2.5)	USP24 (2.1)	PBX4 (1.8)	ZNF513 (1.7)	R3HDM1 (1.7)
POLK (1.2)	IZUMO1 (1.2)	FGF21 (1.1)	LPAR2 (1.1)	BMPR2 (1.0)
ZNF513 (2.1)	KRTCAP3 (2.0)	PMFBP1 (1.8)	SPATC1 (1.7)	RAB3GAP1 (1.6)
SPATC1 (2.2)	POC5 (2.1)	KRTCAP3 (1.7)	USP1 (1.7)	RAB3GAP1 (1.5)
R3HDM1 (1.9)	C11orf9 (1.8)	CELSR2 (1.6)	GPR61 (1.6)	NYNRIN (1.6)
ZNF259 (2.3)	SNX17 (2.0)	ENSG00000226648 (2	BUD13 (2.0)	R3HDM1 (1.9)
KRTCAP3 (2.4)	SNX17 (2.2)	SUGP1 (2.2)	ZNF821 (2.2)	NPEPPS (2.1)
PSRC1 (2.8)	POC5 (2.6)	TSSK6 (2.4)	PMFBP1 (2.1)	ENSG00000226648 (2
LPL (2.2)	LCT (1.9)	YIPF2 (1.8)	TSSK6 (1.7)	TRIB1 (1.7)
CEP250 (2.8)	USP1 (2.8)	ENSG00000228044 (2	FEN1 (2.3)	ENSG00000226648 (2
KANK2 (1.4)	GSTM5 (1.1)	LPAL2 (1.0)	PVRL2 (1.0)	LPAR2 (0.9)
ENSG00000226648 (1	IZUMO1 (1.4)	CILP2 (1.4)	CEP250 (1.3)	TM6SF2 (1.3)
RAB3GAP1 (1.7)	ENSG00000254235 (1	CILP2 (1.6)	IGF2R (1.5)	TSSK6 (1.5)
NRBP1 (2.1)	KPNB1 (2.1)	DARS (1.9)	PSMA5 (1.9)	ZNF259 (1.9)
GRINA (2.0)	AMPD2 (1.9)	FER1L4 (1.9)	ENSG00000256731 (1	ENSG00000226648 (1
OBP2B (2.3)	BUD13 (2.1)	GDF5 (2.1)	C19orf52 (1.8)	TRIB1 (1.6)
FNDC4 (1.8)	SORT1 (1.7)	GOT2P1 (1.7)	GRINA (1.7)	C11orf9 (1.5)
ZNF259 (2.2)	ATXN1L (2.2)	ENSG00000226645 (2	MAU2 (1.8)	DHX38 (1.7)

ENSG00000236436 (2	C19orf52 (1.8)	HAVCR1 (1.7)	POC5 (1.6)	PGS1 (1.5)
NCAN (2.7)	ABCA1 (2.5)	LPL (2.0)	LPAR2 (1.8)	EHBP1 (1.8)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
GNAI3 (2.0)	C12orf43 (2.0)	NUP93 (1.9)	SUGP1 (1.8)	TOP1 (1.6)
USP1 (2.0)	PPM1G (1.9)	DOCK7 (1.7)	DARS (1.7)	R3HDM1 (1.7)
CYP26A1 (2.0)	C19orf52 (1.7)	RAB3GAP1 (1.7)	CILP2 (1.5)	ENSG00000182329 (1
HAVCR1 (2.2)	NCAN (2.2)	TRIM54 (2.1)	SYPL2 (2.0)	CELSR2 (1.8)
LPL (1.8)	ZNF821 (1.7)	ATXN1L (1.7)	NPEPPS (1.7)	TOMM40 (1.7)
SMARCA4 (2.0)	HAPLN4 (1.8)	FEN1 (1.6)	ENSG00000254235 (1	SNX17 (1.5)
IZUMO1 (2.5)	IFT172 (2.5)	PSRC1 (2.2)	BUD13 (2.1)	CEP250 (2.1)
FGF21 (2.1)	ABO (2.0)	SNX17 (1.9)	ATP13A1 (1.6)	FUT2 (1.6)
ENSG00000236436 (2	DHODH (1.9)	POC5 (1.8)	PGS1 (1.8)	SUGP1 (1.8)
COL4A3BP (2.0)	GRINA (2.0)	NRBP1 (2.0)	DHX38 (1.9)	NPEPPS (1.8)
YSK4 (1.6)	ABO (1.5)	C17orf57 (1.4)	SYPL2 (1.4)	SORT1 (1.3)
ENSG00000226806 (2	PLCG1 (1.9)	PARP10 (1.9)	ABCG5 (1.8)	PGS1 (1.8)
PBX4 (1.9)	SUMO1 (1.8)	C17orf57 (1.7)	DOCK7 (1.7)	SLC44A2 (1.6)
YIPF2 (2.9)	NRBP1 (2.8)	COL4A3BP (1.7)	ENSG00000228044 (1	OBP2B (1.6)
PARP10 (1.7)	LPAL2 (1.6)	NFE2L3 (1.6)	CEP250 (1.5)	ABCA5 (1.5)
ZRANB3 (3.8)	USP1 (3.5)	POC5 (3.4)	NUP93 (1.9)	KPNB1 (1.6)
DARS (2.0)	USP1 (1.9)	KPNB1 (1.9)	GNAI3 (1.7)	C19orf52 (1.7)
C11orf9 (1.8)	R3HDM1 (1.7)	NCAN (1.7)	ENSG00000254235 (1	CELSR2 (1.4)
GSTM5 (2.0)	ENSG00000228044 (2	TSSK6 (1.9)	TBKBP1 (1.8)	FGF21 (1.8)
SUMO1 (2.0)	PPM1G (1.9)	ENSG00000231204 (1	SUGP1 (1.5)	DOCK7 (1.4)
CETP (1.7)	C11orf9 (1.7)	GNAI3 (1.7)	DOCK7 (1.6)	HAVCR1 (1.6)
SUGP1 (1.7)	C12orf43 (1.6)	TOMM40 (1.6)	ZRANB3 (1.5)	ENSG00000236436 (1
SUGP1 (1.7)	C12orf43 (1.6)	TOMM40 (1.6)	ZRANB3 (1.5)	ENSG00000236436 (1
MAP3K4 (2.4)	BUD13 (2.3)	POC5 (2.0)	DHX38 (1.8)	C17orf57 (1.7)
USP24 (1.9)	SARS (1.8)	IGF2R (1.8)	FGF21 (1.7)	SUMO1 (1.6)
APOE (2.0)	GDF5 (1.9)	C11orf9 (1.3)	ERGIC3 (1.3)	BCAM (1.3)
PLCG1 (1.9)	GMIP (1.9)	LPAR2 (1.9)	NRBP1 (1.9)	HNF4A (1.7)
SUMO1 (3.0)	ZNF259 (2.5)	ZNF513 (2.3)	POLK (2.1)	DHX38 (2.0)
ZRANB3 (1.9)	KANK2 (1.7)	MAMSTR (1.7)	NYNRIN (1.6)	IST1 (1.6)
KANK2 (2.2)	AMIGO1 (1.9)	GOT2P1 (1.8)	ZHX3 (1.5)	LPL (1.4)
KANK2 (2.2)	AMIGO1 (1.9)	GOT2P1 (1.8)	ZHX3 (1.5)	LPL (1.4)
BMPR2 (1.7)	DOCK7 (1.6)	PLCG1 (1.4)	GPR61 (1.4)	CEP250 (1.3)
NRBP1 (2.7)	UBXN4 (2.3)	IFT172 (2.2)	ABCA5 (1.8)	SUGP1 (1.8)
COL4A3BP (2.6)	TXNL4B (2.3)	IST1 (2.3)	SORT1 (2.2)	ENSG00000228044 (2
BUD13 (2.1)	RASIP1 (2.0)	KRTCAP3 (1.9)	ZHX3 (1.7)	ZNF513 (1.5)
CILP2 (1.9)	PMFBP1 (1.9)	HNF1A (1.8)	ENSG00000226806 (1	TSSK6 (1.6)
CILP2 (1.9)	PMFBP1 (1.9)	HNF1A (1.8)	ENSG00000226806 (1	TSSK6 (1.6)
CILP2 (1.9)	PMFBP1 (1.9)	HNF1A (1.8)	ENSG00000226806 (1	TSSK6 (1.6)
SYPL2 (1.8)	FER1L4 (1.7)	C17orf57 (1.7)	PLCG1 (1.6)	PBX4 (1.5)
ENSG00000256731 (2	ENSG00000244861 (2	ST3GAL4 (1.9)	NPEPPS (1.8)	SORT1 (1.8)
ENSG00000182329 (1	TBKBP1 (1.6)	PCSK9 (1.6)	C11orf9 (1.2)	ABO (1.2)
USP24 (2.1)	C17orf57 (2.0)	MAU2 (1.8)	IFT172 (1.8)	DHX38 (1.8)
MAMSTR (2.6)	KANK2 (2.3)	C17orf57 (2.0)	LPAL2 (1.9)	SORT1 (1.4)

ST3GAL4 (2.3) DOCK6 (2.0) KANK2 (1.6) AMIGO1 (1.6) RASIP1 (1.6)
ZHX3 (1.8) TSSK6 (1.8) NPEPPS (1.7) COL4A3BP (1.7) GDF5 (1.5)
LIPG (2.1) CILP2 (2.0) HAPLN4 (1.6) ENSG00000226648 (1 DOCK7 (1.5)
SARS (2.4) GSTM4 (2.3) TOMM40 (1.9) NPEPPS (1.7) AMPD2 (1.5)
DHX38 (2.0) APOA4 (2.0) USP24 (1.8) PSRC1 (1.7) TM6SF2 (1.7)
LDLR (2.0) IGF2R (1.7) RELB (1.7) FADS2 (1.7) SLC44A2 (1.5)
ANGPTL3 (1.7) PMFBP1 (1.6) SUMO1 (1.6) PGS1 (1.4) GRINA (1.3)
ENSG00000182329 (2 SLC44A2 (2.1) CYB561D1 (2.1) POLK (1.9) ERGIC3 (1.7)
R3HDM1 (2.4) SORT1 (2.3) CLPTM1 (2.2) NCAN (1.8) BMPR2 (1.6)
RASIP1 (2.1) LPL (2.0) GSTM5 (1.8) POLK (1.7) ST3GAL4 (1.5)
USP1 (2.3) ENSG00000228044 (2 FEN1 (2.0) MCM6 (1.7) ZNF821 (1.5)
DHODH (2.0) CARM1 (1.7) BUD13 (1.7) ZNF513 (1.6) ENSG00000226645 (1
MAMSTR (2.2) GSTM4 (2.1) SLC44A2 (2.1) ZHX3 (1.9) CYB561D1 (1.5)
PVRL2 (2.2) NRBP1 (2.0) NPEPPS (1.8) COL4A3BP (1.8) PMFBP1 (1.6)
MCM6 (2.3) LPIN3 (2.3) PARP10 (2.3) POC5 (2.1) DARS (1.9)
TSSK6 (1.9) ENSG00000226648 (1 SYPL2 (1.8) ENSG00000254235 (1 RAB3GAP1 (1.6)
CYP26A1 (1.9) CBLC (1.8) KRTCAP3 (1.8) CELSR2 (1.7) GOT2P1 (1.7)
ZNF513 (2.2) SUMO1 (2.2) BUD13 (1.9) C12orf43 (1.7) POC5 (1.7)
IST1 (2.0) EHBP1 (1.8) TRIB1 (1.6) SUGP1 (1.6) R3HDM1 (1.5)
ENSG00000226645 (2 YIPF2 (1.7) HAVCR1 (1.7) BMPR2 (1.7) ABCG5 (1.6)
HAVCR1 (2.0) CYB561D1 (2.0) MAMSTR (1.9) ENSG00000231204 (1 ENSG00000226648 (1
YSK4 (2.1) TSSK6 (2.0) PMFBP1 (1.8) NCAN (1.7) HAPLN4 (1.6)
ERGIC3 (1.6) ENSG00000226806 (1 CLPTM1 (1.6) NYNRIN (1.5) ENSG00000254235 (1
MAFB (2.4) FUT2 (2.3) TXNL4B (1.6) CYP26A1 (1.6) ENSG00000256731 (1
HAVCR1 (1.9) SORT1 (1.7) TSSK6 (1.6) FNDC4 (1.6) FUT2 (1.6)
LPIN3 (2.6) NOP58 (2.5) RAB3GAP1 (2.4) DHX38 (2.1) EHBP1 (1.8)
FUT2 (2.3) USP24 (2.2) UBXN4 (2.0) C17orf57 (1.9) ZHX3 (1.9)
NCAN (2.5) CYB561D1 (2.1) ENSG00000182329 (2 AMIGO1 (2.1) TRIM54 (2.0)
ENSG00000236267 (2 FNDC4 (2.0) PBX4 (1.9) AMPD2 (1.5) ZNF821 (1.5)
FUT1 (1.4) CETP (1.4) EHBP1 (1.4) CYB561D1 (1.2) ATXN1L (1.2)
HAVCR1 (2.2) CARM1 (1.9) KANK2 (1.9) DOCK7 (1.7) KPNB1 (1.7)
ENSG00000256731 (1 CETP (1.8) RAB3GAP1 (1.8) YIPF2 (1.8) NCAN (1.7)
CLPTM1 (2.5) RAB3GAP1 (2.5) IST1 (2.0) GRINA (2.0) SNX17 (1.9)
DOCK7 (1.9) ABO (1.9) PBX4 (1.8) FNDC4 (1.8) PLEC (1.7)
PSMA5 (2.1) HNF1A (2.0) SNX17 (2.0) GSTM4 (1.8) ERGIC3 (1.4)
GSTM5 (1.9) ENSG00000231204 (1 ZNF821 (1.6) MYLIP (1.4) IZUMO1 (1.4)
ENSG00000244861 (1 SNX17 (1.4) ERGIC3 (1.4) IFT172 (1.4) ATP13A1 (1.3)
GSTM5 (2.3) GPR61 (2.0) ENSG00000231204 (2 AMIGO1 (2.0) ENSG00000226622 (1
CEP250 (1.6) FUT1 (1.5) GSTM4 (1.5) C11orf9 (1.5) ENSG00000228044 (1
CEP250 (1.6) FUT1 (1.5) GSTM4 (1.5) C11orf9 (1.5) ENSG00000228044 (1
NRBP1 (2.2) AMIGO1 (2.2) SARS (2.1) SYPL2 (2.0) ZHX3 (2.0)
GSTM4 (1.8) PGS1 (1.8) HNF1A (1.7) CLPTM1 (1.6) NPEPPS (1.5)
RAB3GAP1 (1.9) BUD13 (1.7) CEP250 (1.7) GRINA (1.7) FNDC4 (1.6)
ENSG00000244861 (2 AMPD2 (1.8) ZNF513 (1.6) ATXN1L (1.6) SNX17 (1.6)
ENSG00000244861 (2 AMPD2 (1.8) ZNF513 (1.6) ATXN1L (1.6) SNX17 (1.6)
SNX17 (1.6) ENSG00000182329 (1 SARS (1.5) LPL (1.3) TRIB1 (1.3)
PBX4 (1.6) YSK4 (1.6) LPAR2 (1.2) USP24 (1.2) CYB561D1 (1.1)
YIPF2 (1.7) GNAT2 (1.7) LCT (1.6) ATP13A1 (1.5) CYB561D1 (1.2)
PSRC1 (2.0) FER1L4 (2.0) LPIN3 (2.0) ZNF821 (1.8) MAMSTR (1.7)
C19orf52 (1.4) ENSG00000236267 (1 HAVCR1 (1.2) ABCG8 (1.1) ERGIC3 (1.1)

ZRANB3 (3.0)	POC5 (2.2)	NUP93 (2.0)	LPIN3 (1.8)	POLK (1.8)
ENSG00000228044 (2	ENSG00000226806 (2	ATXN1L (2.1)	AMPD2 (2.0)	MAMSTR (2.0)
ENSG00000231204 (1	TIMD4 (1.3)	C17orf57 (1.3)	SPATC1 (1.3)	ENSG00000235545 (1
LPAR2 (2.1)	FUT1 (1.8)	PBX4 (1.8)	SPATC1 (1.8)	POLK (1.7)
NCAN (2.2)	LPAL2 (2.0)	RP1 (1.8)	C12orf43 (1.7)	TM6SF2 (1.7)
PARP10 (1.6)	ENSG00000226806 (1	GMIP (1.5)	ENSG00000226648 (1	DNAH11 (1.4)
EHBP1 (2.4)	ABO (2.1)	NCAN (2.0)	HAVCR1 (1.8)	ENSG00000236436 (1
POC5 (1.3)	CILP2 (1.3)	ENSG00000226622 (1	OBP2B (1.2)	SUGP1 (1.0)
SNX17 (2.0)	SARS (1.9)	PSMA5 (1.9)	NRBP1 (1.7)	POC5 (1.7)
SNX17 (2.1)	CLPTM1 (2.0)	NRBP1 (2.0)	SARS (2.0)	COL4A3BP (2.0)
GNAI3 (2.5)	ZNF821 (2.2)	ENSG00000244861 (2	SLC44A2 (2.2)	GATAD2A (2.1)
TOMM40 (2.1)	C19orf52 (2.0)	ZNF513 (2.0)	ATXN1L (1.9)	ZNF259 (1.8)
LPAL2 (2.0)	SLC44A2 (1.7)	GPR61 (1.6)	FER1L4 (1.5)	DNAH11 (1.5)
FUT1 (2.1)	MAU2 (2.0)	ENSG00000231204 (1	ZNF821 (1.9)	FUT2 (1.7)
UBXN4 (2.0)	ENSG00000226648 (1	HAVCR1 (1.6)	FER1L4 (1.5)	ERGIC3 (1.4)
MAP3K4 (2.4)	KRTCAP3 (1.9)	ZHX3 (1.9)	PBX4 (1.9)	PSRC1 (1.8)
TSSK6 (2.0)	CYB561D1 (2.0)	POC5 (2.0)	C19orf52 (1.9)	C12orf43 (1.9)
IZUMO1 (2.8)	COL4A3BP (2.3)	LPIN3 (2.3)	AMIGO1 (2.2)	ABCA5 (2.1)
FER1L4 (1.9)	GOT2P1 (1.9)	HAPLN4 (1.8)	ENSG00000182329 (1	PLEC (1.6)
SMARCA4 (1.9)	R3HDM1 (1.8)	NUP93 (1.7)	USP1 (1.6)	TOP1 (1.5)
FER1L4 (2.3)	TOP1 (2.0)	COL4A3BP (2.0)	C17orf57 (1.9)	PPM1G (1.7)
FER1L4 (2.3)	TOP1 (2.0)	COL4A3BP (2.0)	C17orf57 (1.9)	PPM1G (1.7)
ENSG00000236267 (1	C17orf57 (1.5)	PBX4 (1.3)	POC5 (1.2)	ENSG00000231204 (1
ENSG00000236267 (1	C17orf57 (1.5)	PBX4 (1.3)	POC5 (1.2)	ENSG00000231204 (1
ENSG00000236267 (1	C17orf57 (1.5)	PBX4 (1.3)	POC5 (1.2)	ENSG00000231204 (1
NYNRIN (2.0)	USP24 (2.0)	MAP3K4 (1.9)	PSMA5 (1.8)	ZRANB3 (1.7)
IFT172 (2.0)	GSTM5 (2.0)	ENSG00000254235 (1	ABO (1.8)	GCKR (1.6)
BUD13 (2.1)	PPM1G (2.0)	SMARCA4 (1.8)	NUP93 (1.6)	USP1 (1.6)
FNDC4 (2.3)	ENSG00000226806 (2	NCAN (2.1)	LPIN3 (2.0)	OTX1 (1.9)
RAB3GAP1 (2.1)	YSK4 (2.0)	ATXN1L (1.8)	GPAM (1.8)	PMFBP1 (1.8)
RAB3GAP1 (2.1)	YSK4 (2.0)	ATXN1L (1.8)	GPAM (1.8)	PMFBP1 (1.8)
FUT2 (2.2)	TSSK6 (2.1)	ENSG00000226648 (2	C19orf52 (1.8)	CYP26A1 (1.7)
ABCG5 (1.8)	PVR (1.8)	GPR61 (1.8)	SORT1 (1.8)	CEP250 (1.7)
BCAM (2.0)	ENSG00000244861 (1	YIPF2 (1.8)	CLPTM1 (1.7)	GRINA (1.7)
TSSK6 (2.0)	FNDC4 (1.8)	NRBP1 (1.5)	BMPR2 (1.4)	CYB561D1 (1.4)
MAU2 (1.8)	IST1 (1.8)	PGS1 (1.7)	NRBP1 (1.7)	MYLIP (1.6)
BUD13 (2.2)	C12orf43 (2.1)	TXNL4B (2.0)	ATP13A1 (1.7)	MAU2 (1.7)
MCM6 (3.2)	POC5 (2.7)	USP1 (2.5)	NUP93 (1.8)	FER1L4 (1.8)
IZUMO1 (2.3)	MAFB (2.2)	CYP26A1 (2.0)	ZNF821 (1.8)	ATXN1L (1.8)
HAVCR1 (1.7)	GOT2P1 (1.5)	NFE2L3 (1.5)	TRAM2 (1.4)	HNF1A (1.2)
DHX38 (2.0)	ATXN7L2 (2.0)	GATAD2A (2.0)	NRBP1 (1.9)	CEP250 (1.9)
CELSR2 (2.2)	SORT1 (1.8)	R3HDM1 (1.8)	LPL (1.4)	C12orf43 (1.4)
PMFBP1 (3.5)	OBP2B (2.0)	IFT172 (1.3)	ABO (1.1)	PBX4 (1.1)
GSTM4 (1.8)	ENSG00000226622 (1	C19orf52 (1.6)	ENSG00000226648 (1	TM6SF2 (1.4)
ENSG00000256731 (1	HNF1A (1.8)	AMIGO1 (1.7)	COL4A3BP (1.6)	POLK (1.5)
ENSG00000226648 (2	ENSG00000244861 (2	CILP2 (1.7)	AMPD2 (1.3)	NPEPPS (1.3)
RAB3GAP1 (1.9)	CILP2 (1.8)	ENSG00000226622 (1	IGF2R (1.4)	CYP26A1 (1.4)
TXNL4B (1.9)	ENSG00000236436 (1	GOT2P1 (1.6)	POC5 (1.6)	POLK (1.5)
FEN1 (2.3)	SPATC1 (2.0)	KPNB1 (2.0)	CEP250 (1.7)	SMARCA4 (1.6)
PMFBP1 (1.7)	HNF1A (1.5)	ABCG5 (1.5)	LPA (1.4)	CELSR2 (1.2)

HNF1A (2.5)	ENSG00000226806 (1	ENSG00000254235 (1	SPATC1 (1.4)	C17orf57 (1.3)
SUMO1 (2.0)	C19orf52 (1.8)	ENSG00000226622 (1	YIPF2 (1.5)	AMPD2 (1.5)
C19orf52 (2.0)	RAB3GAP1 (1.9)	ZNF259 (1.8)	HNF1A (1.8)	ENSG00000226806 (1
GNAI3 (2.4)	SLC44A2 (1.9)	LPAR2 (1.8)	ENSG00000244861 (1	PLCG1 (1.6)
AMPD2 (2.0)	GMIP (1.9)	POLK (1.8)	RAB3GAP1 (1.7)	NPEPPS (1.6)
PLCG1 (1.9)	AMPD2 (1.9)	POC5 (1.8)	HAPLN4 (1.8)	DNAH11 (1.8)
IFT172 (2.0)	PBX4 (1.9)	EHBP1 (1.6)	LPIN3 (1.5)	OBP2B (1.4)
C17orf57 (2.4)	NOP58 (2.1)	UBXN4 (1.9)	LPIN3 (1.9)	TOP1 (1.8)
USP1 (2.0)	PPM1G (1.7)	DOCK7 (1.5)	ENSG00000231204 (1	DARS (1.5)
POC5 (2.3)	PSMA5 (2.3)	COL4A3BP (2.1)	MAP3K4 (2.0)	TOP1 (1.9)
GPR61 (1.9)	NCAN (1.6)	NRBP1 (1.6)	NPEPPS (1.5)	ENSG00000182329 (1
SUMO1 (1.7)	SARS (1.6)	NOP58 (1.6)	MAMSTR (1.5)	TOP1 (1.5)
MAP3K4 (1.9)	GATAD2A (1.9)	TOP1 (1.8)	POC5 (1.6)	ZNF259 (1.6)
ENSG00000182329 (1	TSSK6 (1.5)	C17orf57 (1.5)	HAPLN4 (1.4)	ENSG00000228044 (1
ZNF259 (1.2)	SUMO1 (1.2)	SARS (1.0)	TBKBP1 (1.0)	DHODH (1.0)
CYB561D1 (2.8)	YIPF2 (2.6)	NRBP1 (2.5)	C17orf57 (2.3)	GRINA (2.1)
DOCK7 (1.7)	ATXN1L (1.7)	EHBP1 (1.6)	C17orf57 (1.6)	OBP2B (1.6)
SUMO1 (2.4)	SMARCA4 (2.4)	ZNF821 (2.2)	ATXN7L2 (2.2)	ENSG00000226648 (2
ENSG00000226648 (1	ATXN7L2 (1.6)	LPIN3 (1.6)	RASIP1 (1.6)	KRTCAP3 (1.5)
ABCA6 (2.2)	C12orf43 (2.0)	GOT2P1 (1.6)	C11orf9 (1.5)	LPIN3 (1.4)
ENSG00000226622 (1	ATXN7L2 (1.7)	EHBP1 (1.7)	ZNF513 (1.6)	OTX1 (1.5)
FUT2 (1.9)	ZNF821 (1.8)	BUD13 (1.6)	SORT1 (1.6)	TRIB1 (1.5)
POC5 (3.1)	NUP93 (2.2)	ZRANB3 (2.0)	TXNL4B (1.9)	GSTM4 (1.4)
TRIM54 (2.0)	SARS (2.0)	SUMO1 (1.8)	ENSG00000236436 (1	GATAD2A (1.7)
GATAD2A (2.0)	FEN1 (1.9)	MCM6 (1.9)	PVRL2 (1.8)	ZNF821 (1.8)
TXNL4B (2.3)	GATAD2A (1.7)	C12orf43 (1.7)	ENSG00000226806 (1	ZNF259 (1.7)
ENSG00000182329 (2	C11orf9 (2.2)	ENSG00000256731 (1	CEP250 (1.9)	HAVCR1 (1.6)
SLC44A2 (1.9)	PMFBP1 (1.9)	PVRL2 (1.8)	PVR (1.8)	SARS (1.6)
POC5 (2.9)	LPIN3 (1.8)	ZRANB3 (1.8)	USP1 (1.7)	ENSG00000256731 (1
TOMM40 (1.4)	KRTCAP3 (1.3)	SARS (1.1)	ENSG00000244861 (1	ATXN7L2 (1.0)
TOMM40 (1.4)	KRTCAP3 (1.3)	SARS (1.1)	ENSG00000244861 (1	ATXN7L2 (1.0)
TRIB1 (2.0)	HNF1A (2.0)	IZUMO1 (1.8)	ZRANB3 (1.7)	OBP2B (1.6)
NRBP1 (1.9)	ENSG00000182329 (1	NPEPPS (1.8)	BMPR2 (1.8)	PLEC (1.7)
YIPF2 (2.5)	ERGIC3 (2.4)	GRINA (1.8)	SORT1 (1.6)	ZHX3 (1.4)
ZRANB3 (3.9)	POC5 (2.5)	NUP93 (2.4)	KPNB1 (1.9)	SUMO1 (1.7)
ERGIC3 (2.2)	CEP250 (2.1)	USP24 (2.0)	PLCG1 (1.8)	PPM1G (1.7)
SYPL2 (1.9)	FGF21 (1.9)	ENSG00000254235 (1	HNF1A (1.6)	ENSG00000226806 (1
ENSG00000228044 (2	HAPLN4 (1.9)	ZRANB3 (1.9)	MCM6 (1.8)	FEN1 (1.8)
ENSG00000256731 (1	SLC22A3 (1.7)	ENSG00000226645 (1	ENSG00000226806 (1	ENSG00000182329 (1
MAMSTR (2.2)	ENSG00000236436 (1	CEP250 (1.9)	POLK (1.7)	CARM1 (1.5)
ATXN1L (2.1)	SPATC1 (2.0)	LPAL2 (1.7)	CELSR2 (1.7)	ENSG00000256731 (1
RAB3GAP1 (1.9)	KANK2 (1.8)	PLEC (1.8)	ENSG00000182329 (1	GNAI3 (1.7)
ZRANB3 (3.4)	CEP250 (3.1)	POC5 (2.7)	DHODH (2.6)	NUP93 (2.4)
SMARCA4 (2.0)	BMPR2 (1.8)	NUP93 (1.7)	TOP1 (1.7)	R3HDM1 (1.6)
GSTM5 (2.3)	FNDC4 (2.2)	NCAN (1.6)	ABCA5 (1.5)	ENSG00000236267 (1
SLC22A3 (2.2)	GSTM4 (1.8)	HNF1A (1.8)	FUT1 (1.7)	C11orf9 (1.6)
BUD13 (2.3)	ATXN1L (2.3)	DHX38 (2.1)	RAB3GAP1 (1.9)	POC5 (1.9)
FNDC4 (2.4)	PBX4 (2.3)	SNX17 (2.0)	HAVCR1 (1.9)	ZNF513 (1.8)
EHBP1 (2.1)	YSK4 (2.1)	CYP26A1 (1.8)	ATXN1L (1.3)	C17orf57 (1.2)
GNAT2 (2.0)	HAPLN4 (1.9)	R3HDM1 (1.8)	SORT1 (1.8)	ABO (1.5)

CYP26A1 (1.4)	C17orf57 (1.4)	GPR61 (1.3)	TM6SF2 (1.3)	CARM1 (1.3)
GRINA (2.5)	ZNF513 (2.2)	PARP10 (2.0)	GMIP (1.9)	PSMA5 (1.9)
LPA (1.7)	CELSR2 (1.6)	GCKR (1.6)	KRTCAP3 (1.5)	C11orf9 (1.4)
GMIP (2.0)	AMPD2 (1.7)	GNAI3 (1.6)	OBP2B (1.5)	ST3GAL4 (1.4)
BMPR2 (1.3)	IZUMO1 (1.1)	CEP250 (1.0)	ENSG00000226648 (1	MAMSTR (0.9)
DNAH11 (1.5)	SPATC1 (1.5)	HAVCR1 (1.4)	YSK4 (1.2)	ENSG00000226622 (1
AMPD2 (2.2)	GNAT2 (2.1)	NRBP1 (2.0)	ENSG00000244861 (2	UBXN4 (1.9)
GNAI3 (1.9)	TSSK6 (1.9)	CEP250 (1.9)	ABO (1.8)	ENSG00000236436 (1
GOT2P1 (2.3)	LPIN3 (2.1)	PMFBP1 (2.0)	SPATC1 (2.0)	GATAD2A (2.0)
OTX1 (2.1)	ENSG00000256731 (2	CLPTM1 (1.9)	EHBP1 (1.9)	ZHX3 (1.8)
ENSG00000235545 (2	GOT2P1 (2.1)	USP1 (2.0)	CEP250 (2.0)	SUGP1 (1.9)
CELSR2 (1.8)	CEP250 (1.8)	ENSG00000256731 (1	ATP13A1 (1.7)	NPEPPS (1.5)
DNAH11 (2.1)	EHBP1 (1.9)	POLK (1.2)	FER1L4 (1.2)	ABCA5 (1.2)
PSRC1 (1.9)	FUT2 (1.9)	ZNF821 (1.9)	ST3GAL4 (1.9)	FNDC4 (1.9)
GOT2P1 (1.9)	LPAL2 (1.6)	ENSG00000236267 (1	TOMM40 (1.5)	C12orf43 (1.4)
CELSR2 (1.9)	NFE2L3 (1.8)	SORT1 (1.8)	R3HDM1 (1.7)	GOT2P1 (1.6)
SMARCA4 (2.4)	GDF5 (2.2)	FUT2 (2.1)	SARS (1.8)	MAMSTR (1.7)
TOP1 (2.0)	GNAI3 (1.8)	PGS1 (1.7)	FER1L4 (1.7)	ZNF513 (1.7)
GNAI3 (1.9)	IST1 (1.6)	PARP10 (1.6)	OTX1 (1.5)	CBLC (1.5)
SORT1 (1.9)	FADS1 (1.9)	FER1L4 (1.8)	CELSR2 (1.8)	APOB (1.5)
GSTM5 (2.3)	CILP2 (2.2)	ENSG00000236436 (2	ZHX3 (2.0)	NCAN (1.9)
ZNF259 (1.9)	USP24 (1.9)	GPAM (1.8)	C12orf43 (1.7)	CYB561D1 (1.6)
LIPC (1.7)	LPA (1.6)	ANGPTL3 (1.6)	POLK (1.3)	HP (1.3)
CYB561D1 (2.1)	MAU2 (1.9)	GATAD2A (1.9)	NRBP1 (1.9)	PLEC (1.7)
R3HDM1 (1.8)	ENSG00000256731 (1	LPAL2 (1.5)	GPR61 (1.4)	CILP2 (1.3)
TSSK6 (1.7)	OBP2B (1.7)	BCAM (1.5)	ZNF821 (1.5)	PLEC (1.5)
ENSG00000244861 (1	ENSG00000226622 (1	FER1L4 (1.8)	FGF21 (1.6)	ERGIC3 (1.4)
FGF21 (1.5)	DNAH11 (1.5)	LIPG (1.5)	LCT (1.3)	TRIB1 (1.2)
ENSG00000228044 (2	USP1 (2.5)	CEP250 (2.2)	FEN1 (2.0)	MCM6 (1.8)
C19orf52 (1.5)	ATXN7L2 (1.5)	USP1 (1.5)	GATAD2A (1.4)	PPM1G (1.4)
PMFBP1 (1.6)	C19orf80 (1.6)	ENSG00000235545 (1	CELSR2 (1.4)	AMIGO1 (1.4)
HAVCR1 (1.8)	ENSG00000226806 (1	SLC22A3 (1.7)	APOC1 (1.6)	APOE (1.6)
SPATC1 (2.3)	RAB3GAP1 (2.1)	BUD13 (2.0)	CEP250 (2.0)	POLK (1.9)
PLCG1 (1.7)	ZHX3 (1.6)	SMARCA4 (1.6)	SLC22A3 (1.6)	USP24 (1.5)
SORT1 (2.2)	CELSR2 (1.9)	FADS1 (1.7)	R3HDM1 (1.7)	GRINA (1.6)
TXNL4B (2.5)	NPEPPS (2.4)	TOP1 (2.3)	BUD13 (2.2)	C19orf52 (2.1)
PARP10 (1.7)	POLK (1.6)	LPAL2 (1.5)	TBKBP1 (1.4)	IZUMO1 (1.2)
TXNL4B (2.3)	DARS (2.3)	FGF21 (2.2)	C12orf43 (2.0)	SARS (2.0)
ENSG00000235545 (2	USP1 (2.5)	KPNB1 (2.0)	NUP93 (1.8)	POC5 (1.6)
SORT1 (1.6)	C17orf57 (1.5)	MAMSTR (1.4)	PLEC (1.2)	GNAI3 (1.2)
DOCK7 (1.8)	YSK4 (1.6)	ATXN1L (1.5)	CEP250 (1.3)	EHBP1 (1.3)
PSMA5 (1.2)	GPAM (1.2)	ENSG00000182329 (1	RAB3GAP1 (1.1)	ERGIC3 (1.1)
FUT1 (2.4)	GPR61 (2.3)	ENSG00000254235 (2	SPATC1 (1.9)	ENSG00000228044 (1
FUT1 (2.1)	GNAT2 (2.0)	LPIN3 (1.9)	ENSG00000256731 (1	SLC22A3 (1.8)
TOMM40 (2.3)	USP1 (2.3)	SPATC1 (1.6)	MCM6 (1.6)	ENSG00000182329 (1
SORT1 (2.6)	AMIGO1 (2.3)	DOCK6 (1.7)	USP24 (1.5)	R3HDM1 (1.4)
USP24 (2.1)	R3HDM1 (2.0)	SYPL2 (2.0)	SARS (2.0)	ATP13A1 (1.9)
SARS (1.4)	IFT172 (1.4)	PMFBP1 (1.3)	LPL (1.2)	FUT2 (1.2)
SARS (1.4)	IFT172 (1.4)	PMFBP1 (1.3)	LPL (1.2)	FUT2 (1.2)
ATXN1L (2.1)	ENSG00000226648 (2	ENSG00000182329 (2	UBXN4 (2.0)	TXNL4B (1.9)

USP1 (3.6)	CEP250 (2.7)	POLK (2.3)	POC5 (2.2)	BUD13 (2.1)
PMFBP1 (1.8)	SUMO1 (1.7)	CEP250 (1.6)	SLC44A2 (1.6)	CYB561D1 (1.5)
GNAI3 (2.7)	SUGP1 (2.1)	GSTM4 (2.0)	ZNF259 (1.8)	ENSG00000226645 (1
POC5 (1.8)	ENSG00000226648 (1	USP1 (1.7)	R3HDM1 (1.7)	PSRC1 (1.6)
HAVCR1 (2.2)	TBKBP1 (2.1)	C11orf9 (1.6)	ST3GAL4 (1.6)	PGS1 (1.6)
SMARCA4 (2.1)	BUD13 (2.1)	DHX38 (2.0)	C12orf43 (2.0)	NYNRIN (2.0)
DARS (2.0)	IZUMO1 (1.8)	IFT172 (1.7)	ENSG00000226645 (1	C19orf52 (1.6)
IFT172 (1.9)	IZUMO1 (1.9)	FUT2 (1.9)	SLC44A2 (1.7)	SPATC1 (1.7)
MAFB (2.2)	TRAM2 (2.0)	ABCA5 (1.9)	ENSG00000254235 (1	LDLR (1.7)
ENSG00000231204 (2	ABO (1.8)	FUT2 (1.8)	HAPLN4 (1.7)	LCT (1.6)
TXNL4B (2.6)	ZNF513 (2.5)	ZNF259 (1.9)	DARS (1.7)	POLK (1.6)
ENSG00000231204 (2	BUD13 (2.0)	USP1 (1.9)	SMARCA4 (1.9)	PPM1G (1.7)
GSTM5 (2.1)	ENSG00000226645 (2	CELSR2 (1.8)	CETP (1.8)	ENSG00000256731 (1
ENSG00000244861 (1	ZNF513 (1.2)	APOE (1.2)	DHODH (1.1)	RELB (1.1)
ZHX3 (1.6)	ABCA5 (1.6)	SLC44A2 (1.4)	C12orf43 (1.4)	POLK (1.4)
AMPD2 (2.3)	RAB3GAP1 (2.2)	NRBP1 (2.2)	SNX17 (2.0)	ENSG00000244861 (1
AMPD2 (2.3)	RAB3GAP1 (2.2)	NRBP1 (2.2)	SNX17 (2.0)	ENSG00000244861 (1
AMPD2 (2.3)	RAB3GAP1 (2.2)	NRBP1 (2.2)	SNX17 (2.0)	ENSG00000244861 (1
HNF1A (2.1)	ENSG00000226648 (1	SYPL2 (1.9)	ENSG00000182329 (1	HAPLN4 (1.8)
CARM1 (2.3)	ENSG00000226645 (2	NPEPPS (1.8)	CBLC (1.8)	RAB3GAP1 (1.7)
SYPL2 (2.6)	R3HDM1 (2.2)	FUT1 (2.2)	HAPLN4 (1.9)	GSTM5 (1.8)
ENSG00000236436 (2	ENSG00000226622 (2	LIPG (2.0)	PBX4 (2.0)	NYNRIN (1.7)
BCAM (2.1)	NYNRIN (1.5)	PMFBP1 (1.5)	HAPLN4 (1.5)	C11orf9 (1.4)
ZRANB3 (1.8)	FEN1 (1.7)	PSRC1 (1.5)	TXNL4B (1.4)	ENSG00000231204 (1
C19orf52 (2.1)	ENSG00000226622 (1	MAMSTR (1.6)	CYP26A1 (1.5)	OTX1 (1.3)
LPL (1.7)	IGF2R (1.5)	PBX4 (1.5)	PLEC (1.3)	PSRC1 (1.3)
AMPD2 (2.7)	DHODH (2.5)	ATXN1L (2.4)	GNAT2 (2.2)	IST1 (2.0)
ENSG00000254235 (1	ERGIC3 (1.5)	GNAT2 (1.4)	NFE2L3 (1.4)	KPNB1 (1.2)
ENSG00000226806 (2	DOCK7 (1.6)	C19orf52 (1.5)	SLC22A3 (1.4)	PBX4 (1.3)
ATXN7L2 (2.0)	IST1 (2.0)	PPM1G (1.9)	ENSG00000254235 (1	RP1 (1.8)
SUMO1 (1.8)	LPAR2 (1.8)	PARP10 (1.7)	LPIN3 (1.5)	IZUMO1 (1.5)
PMFBP1 (2.1)	GSTM5 (1.9)	ENSG00000226645 (1	TBKBP1 (1.8)	HAPLN4 (1.6)
AMIGO1 (2.3)	OBP2B (1.9)	R3HDM1 (1.8)	GSTM4 (1.8)	HAPLN4 (1.4)
COL4A3BP (2.3)	APOE (2.3)	ATP13A1 (1.8)	SORT1 (1.5)	ERGIC3 (1.4)
ENSG00000231204 (1	ATXN7L2 (1.7)	PSRC1 (1.6)	PPM1G (1.6)	TXNL4B (1.5)
ZNF259 (2.8)	SNX17 (2.8)	SUGP1 (2.5)	KPNB1 (2.5)	NOP58 (2.4)
FEN1 (3.8)	ENSG00000226648 (3	USP1 (2.9)	POLK (2.9)	MAP3K4 (2.7)
FEN1 (3.8)	ENSG00000226648 (3	USP1 (2.9)	POLK (2.9)	MAP3K4 (2.7)
DNAH11 (2.5)	ENSG00000226622 (2	ENSG00000236267 (2	PBX4 (2.0)	ENSG00000256731 (1
SPATC1 (2.0)	NYNRIN (1.8)	FNDC4 (1.7)	DOCK6 (1.6)	SLC44A2 (1.6)
AMIGO1 (1.9)	CELSR2 (1.8)	GPR61 (1.7)	BMPR2 (1.7)	ABCA5 (1.7)
OBP2B (2.0)	CETP (1.9)	RASIP1 (1.8)	ENSG00000256731 (1	CELSR2 (1.7)
ABCG8 (2.4)	LPAL2 (2.1)	RP1 (2.0)	SLC22A2 (1.9)	GPR61 (1.6)
ENSG00000228044 (1	C19orf52 (1.7)	ENSG00000226806 (1	NYNRIN (1.6)	ATXN7L2 (1.5)
YSK4 (2.5)	IFT172 (2.5)	ENSG00000226648 (2	DNAH11 (2.1)	IZUMO1 (2.1)
NPEPPS (2.3)	SARS (2.2)	ENSG00000226806 (2	CYB561D1 (1.9)	GNAI3 (1.9)
C12orf43 (2.1)	SUMO1 (1.9)	TOP1 (1.6)	DHX38 (1.5)	ATXN7L2 (1.3)
CYB561D1 (2.0)	ATXN7L2 (1.8)	TSSK6 (1.8)	SUMO1 (1.7)	C11orf9 (1.5)
FER1L4 (2.1)	ENSG00000231204 (1	FUT1 (1.8)	ENSG00000254235 (1	TSSK6 (1.5)
C19orf52 (2.0)	TM6SF2 (2.0)	TBKBP1 (1.8)	C12orf43 (1.8)	NPEPPS (1.8)

RAB3GAP1 (2.5)	POC5 (2.2)	BUD13 (2.1)	MAP3K4 (2.1)	C17orf57 (1.9)
NUP93 (1.2)	ENSG00000228044 (1	OBP2B (1.1)	MAMSTR (1.1)	CILP2 (1.1)
SUMO1 (2.7)	ZNF259 (2.4)	ZNF513 (2.4)	DARS (2.1)	RAB3GAP1 (2.1)
BUD13 (2.5)	NPEPPS (2.4)	IST1 (2.2)	SMARCA4 (2.1)	MAP3K4 (2.0)
MAP3K4 (1.9)	DOCK7 (1.6)	TOP1 (1.5)	UBXN4 (1.4)	SPATC1 (1.3)
ENSG00000182329 (2	DOCK6 (1.9)	ZRANB3 (1.7)	GMIP (1.6)	SLC22A2 (1.5)
DHODH (1.8)	ENSG00000244861 (1	IZUMO1 (1.2)	ENSG00000226622 (1	POC5 (1.2)
DHODH (1.8)	ENSG00000244861 (1	IZUMO1 (1.2)	ENSG00000226622 (1	POC5 (1.2)
DHODH (1.8)	ENSG00000244861 (1	IZUMO1 (1.2)	ENSG00000226622 (1	POC5 (1.2)
FGF21 (2.3)	PLCG1 (2.1)	GATAD2A (2.0)	DOCK6 (1.7)	NCAN (1.6)
ATXN1L (2.2)	ZNF259 (1.9)	DHX38 (1.7)	DHODH (1.6)	MAP3K4 (1.6)
TSSK6 (2.1)	SPATC1 (1.9)	BUD13 (1.6)	FUT2 (1.6)	C17orf57 (1.6)
OBP2B (1.4)	KRTCAP3 (1.4)	LPIN3 (1.3)	PBX4 (1.3)	HAVCR1 (1.2)
BCAM (2.1)	FNDC4 (2.1)	LPIN3 (2.0)	CBLC (2.0)	TSSK6 (1.8)
FGF21 (2.1)	ENSG00000228044 (2	HAVCR1 (2.0)	HAPLN4 (1.9)	NCAN (1.9)
PSRC1 (2.5)	PBX4 (2.4)	ZRANB3 (2.3)	LPAR2 (1.9)	IFT172 (1.9)
SARS (2.1)	PLCG1 (2.0)	PBX4 (2.0)	PLEC (1.9)	C17orf57 (1.9)
KRTCAP3 (2.2)	FNDC4 (1.7)	R3HDM1 (1.6)	ENSG00000236267 (1	NCAN (1.4)
LPAL2 (1.7)	PARP10 (1.5)	ZNF259 (1.4)	MAMSTR (1.2)	CARM1 (1.2)
TSSK6 (1.5)	IGF2R (1.5)	CYP26A1 (1.4)	ZNF821 (1.4)	ENSG00000236436 (1
C19orf52 (2.3)	ZNF821 (2.0)	DNAH11 (1.9)	ENSG00000226645 (1	CYP26A1 (1.8)
GATAD2A (2.2)	USP24 (1.9)	PLCG1 (1.7)	DOCK6 (1.7)	ZHX3 (1.6)
MAU2 (1.6)	RAB3GAP1 (1.3)	ENSG00000244861 (1	GPAM (1.1)	TBKBP1 (1.1)
MYLIP (2.2)	MAMSTR (2.1)	TRIM54 (2.0)	ENSG00000226648 (1	ZNF821 (1.9)
RAB3GAP1 (2.1)	PMFBP1 (2.0)	YSK4 (1.9)	TSSK6 (1.9)	GPAM (1.6)
RAB3GAP1 (2.1)	PMFBP1 (2.0)	YSK4 (1.9)	TSSK6 (1.9)	GPAM (1.6)
MAP3K4 (1.8)	IST1 (1.7)	ATXN1L (1.6)	RAB3GAP1 (1.6)	DHX38 (1.6)
SORT1 (2.1)	GOT2P1 (2.0)	C12orf43 (1.7)	C11orf9 (1.5)	AMIGO1 (1.4)
ENSG00000226645 (2	EHBP1 (2.5)	ENSG00000254235 (2	LPIN3 (1.9)	ABCA5 (1.8)
ENSG00000226645 (2	EHBP1 (2.5)	ENSG00000254235 (2	LPIN3 (1.9)	ABCA5 (1.8)
CEP250 (1.9)	ABCG8 (1.9)	ENSG00000226622 (1	OTX1 (1.8)	C11orf9 (1.8)
CYP26A1 (2.0)	LPAL2 (2.0)	ENSG00000236267 (1	SLC22A1 (1.6)	EHBP1 (1.6)
AMIGO1 (1.8)	AMPD2 (1.6)	ENSG00000231204 (1	CEP250 (1.3)	CETP (1.3)
PSMA5 (2.1)	SARS (1.8)	GRINA (1.8)	SNX17 (1.7)	C19orf52 (1.7)
HAVCR1 (1.9)	C17orf57 (1.7)	PLCG1 (1.6)	PBX4 (1.4)	ENSG00000236267 (1
TXNL4B (2.3)	SUGP1 (2.0)	TOMM40 (1.9)	BUD13 (1.8)	ZNF513 (1.8)
EHBP1 (2.1)	FER1L4 (2.1)	DARS (2.0)	AMIGO1 (1.7)	FUT1 (1.6)
CYB561D1 (2.3)	LPAR2 (2.1)	COL4A3BP (2.0)	ZNF259 (1.9)	RELB (1.8)
CYB561D1 (2.3)	LPAR2 (2.1)	COL4A3BP (2.0)	ZNF259 (1.9)	RELB (1.8)
HAPLN4 (2.1)	IGF2R (2.1)	ZHX3 (1.9)	USP24 (1.9)	APOE (1.8)
SLC22A2 (1.9)	LPAR2 (1.5)	HAVCR1 (1.4)	GNAT2 (1.4)	OASL (1.4)
FUT2 (1.6)	ABCA5 (1.6)	ENSG00000228044 (1	RASIP1 (1.4)	TSSK6 (1.3)
FGF21 (1.3)	HNF1A (1.1)	KRTCAP3 (1.1)	HP (0.9)	RAB3GAP1 (0.8)
OBP2B (2.3)	CETP (2.0)	ENSG00000256731 (1	CELSR2 (1.7)	ABO (1.7)
OBP2B (2.3)	CETP (2.0)	ENSG00000256731 (1	CELSR2 (1.7)	ABO (1.7)
OBP2B (2.3)	CETP (2.0)	ENSG00000256731 (1	CELSR2 (1.7)	ABO (1.7)
SUGP1 (2.3)	GATAD2A (2.2)	POC5 (2.1)	BMPR2 (2.0)	MAU2 (2.0)
MAMSTR (2.2)	HAPLN4 (2.1)	ENSG00000226645 (1	OBP2B (1.9)	GSTM5 (1.7)
SLC44A2 (1.7)	YSK4 (1.6)	C19orf52 (1.5)	NYNRIN (1.5)	SPATC1 (1.5)
YIPF2 (1.7)	NFE2L3 (1.6)	MYLIP (1.3)	DOCK7 (1.2)	KRTCAP3 (1.2)

C11orf9 (2.5)	CELSR2 (2.4)	HAPLN4 (2.3)	COL4A3BP (2.2)	IST1 (2.1)
HNF4A (1.9)	PMFBP1 (1.9)	ENSG00000182329 (1	ENSG00000226622 (1	HNF1A (1.6)
OBP2B (2.2)	CETP (2.0)	ENSG00000256731 (1	CELSR2 (1.8)	RASIP1 (1.7)
OBP2B (2.2)	CETP (2.0)	ENSG00000256731 (1	CELSR2 (1.8)	RASIP1 (1.7)
AMIGO1 (1.9)	C11orf9 (1.9)	APOE (1.6)	PLCG1 (1.5)	ABO (1.4)
GPR61 (2.0)	NCAN (2.0)	GSTM5 (1.6)	NRBP1 (1.5)	SNX17 (1.4)
SUMO1 (1.6)	SMARCA4 (1.4)	ATXN7L2 (1.3)	SUGP1 (1.3)	R3HDM1 (1.2)
FER1L4 (1.8)	OBP2B (1.4)	KANK2 (1.4)	SUMO1 (1.4)	BCAM (1.3)
FER1L4 (1.8)	OBP2B (1.4)	KANK2 (1.4)	SUMO1 (1.4)	BCAM (1.3)
C17orf57 (2.3)	FUT1 (2.1)	MAU2 (1.9)	ATXN1L (1.8)	ABCA5 (1.5)
ABO (2.4)	FUT1 (2.3)	SLC22A3 (2.2)	SNX17 (1.7)	SUMO1 (1.6)
DARS (2.8)	USP1 (2.1)	NUP93 (2.0)	NOP58 (2.0)	POC5 (1.9)
FUT2 (1.9)	ST3GAL4 (1.9)	ABCA5 (1.8)	PMFBP1 (1.8)	YSK4 (1.7)
GSTM4 (2.0)	ERGIC3 (1.9)	TOP1 (1.6)	C19orf52 (1.5)	PGS1 (1.5)
LPL (1.8)	SPATC1 (1.6)	GDF5 (1.6)	GRINA (1.6)	SYPL2 (1.5)
YSK4 (1.7)	RASIP1 (1.6)	LPIN3 (1.5)	KRTCAP3 (1.5)	ZNF513 (1.5)
DOCK7 (1.9)	LPAR2 (1.8)	SMARCA4 (1.8)	DNAH11 (1.8)	POC5 (1.7)
RAB3GAP1 (2.4)	UBXN4 (2.1)	AMPD2 (2.0)	GNAT2 (2.0)	SNX17 (2.0)
OTX1 (2.3)	CILP2 (2.1)	ENSG00000228044 (2	GSTM5 (1.8)	CYP26A1 (1.7)
NPEPPS (2.1)	ENSG00000182329 (2	ENSG00000236436 (1	CELSR2 (1.8)	LPIN3 (1.7)
ABO (1.8)	PMFBP1 (1.6)	ENSG00000226806 (1	SUMO1 (1.5)	C17orf57 (1.5)
SORT1 (2.1)	ENSG00000226622 (2	CLPTM1 (2.0)	ATP13A1 (1.9)	ENSG00000235545 (1
IFT172 (3.0)	CEP250 (3.0)	USP1 (2.7)	FEN1 (2.2)	PBX4 (2.1)
BUD13 (2.2)	TOP1 (2.1)	ATXN7L2 (1.8)	ZNF259 (1.8)	DHX38 (1.7)
ATP13A1 (2.2)	ERGIC3 (2.2)	GSTM4 (1.8)	SARS (1.8)	PSMA5 (1.8)
ATP13A1 (2.2)	ERGIC3 (2.2)	GSTM4 (1.8)	SARS (1.8)	PSMA5 (1.8)
R3HDM1 (2.6)	NCAN (1.9)	RAB3GAP1 (1.6)	GNAI3 (1.6)	UBXN4 (1.6)
ZNF513 (2.3)	MAP3K4 (2.2)	USP24 (1.9)	PPM1G (1.9)	ATXN1L (1.5)
GPAM (1.3)	IFT172 (1.2)	LPL (1.2)	RAB3GAP1 (1.2)	TOMM40 (1.0)
ABO (1.5)	DNAH11 (1.4)	SLC22A3 (1.4)	TSSK6 (1.3)	FER1L4 (1.3)
SLC22A3 (2.1)	ENSG00000236436 (2	GSTM5 (2.0)	GSTM4 (1.8)	ABCA6 (1.7)
PPM1G (2.0)	FNDC4 (1.8)	GNAI3 (1.8)	PBX4 (1.6)	ENSG00000235545 (1
BUD13 (2.6)	MAU2 (1.9)	DHX38 (1.8)	SUMO1 (1.8)	PLCG1 (1.6)
ZNF259 (1.9)	IZUMO1 (1.4)	DNAH11 (1.4)	BUD13 (1.3)	NOP58 (1.2)
SNX17 (2.2)	HNF1A (2.1)	ZNF513 (2.0)	FNDC4 (2.0)	GNAI3 (1.9)
MAU2 (2.0)	IST1 (1.9)	ENSG00000256731 (1	NRBP1 (1.7)	C19orf52 (1.7)
SYPL2 (1.9)	ATXN7L2 (1.9)	TBKBP1 (1.8)	SLC22A3 (1.8)	ENSG00000226648 (1
ENSG00000244861 (2	PPM1G (2.1)	ATXN7L2 (2.0)	CARM1 (2.0)	DHX38 (1.7)
KANK2 (1.2)	LPAL2 (1.1)	LPAR2 (1.0)	FUT2 (0.9)	GSTM5 (0.8)
SORT1 (1.6)	HNF1A (1.6)	PMFBP1 (1.5)	CETP (1.5)	SLC22A2 (1.5)
BUD13 (2.2)	ZRANB3 (2.2)	HAVCR1 (2.1)	C19orf52 (1.9)	ENSG00000226648 (1
DOCK7 (1.8)	TOP1 (1.8)	TOMM40 (1.7)	PPM1G (1.7)	EHBP1 (1.6)
CLPTM1 (2.0)	GRINA (1.9)	SNX17 (1.7)	PPM1G (1.5)	PLEC (1.4)
UBXN4 (2.1)	USP1 (1.9)	OASL (1.8)	ENSG00000226622 (1	APOA4 (1.7)
SUMO1 (2.2)	DOCK7 (1.9)	BUD13 (1.8)	SUGP1 (1.8)	DARS (1.7)
SPATC1 (2.0)	BMPR2 (1.8)	PVRL2 (1.8)	ABO (1.7)	CETP (1.6)
ST3GAL4 (2.4)	AMIGO1 (2.1)	USP24 (1.6)	DOCK6 (1.6)	R3HDM1 (1.4)
ZRANB3 (1.6)	ENSG00000226645 (1	LPA (1.3)	TXNL4B (1.3)	GNAT2 (1.3)
ENSG00000182329 (2	TSSK6 (2.0)	R3HDM1 (1.9)	GOT2P1 (1.9)	CLPTM1 (1.6)
LIPG (1.9)	GSTM4 (1.8)	FUT1 (1.5)	DOCK7 (1.5)	FUT2 (1.4)

IST1 (1.9)	ENSG00000226622 (1	SUGP1 (1.6)	GSTM5 (1.5)	SNX17 (1.5)
ZNF513 (2.3)	ERGIC3 (2.0)	PVR (1.6)	ZHX3 (1.6)	ENSG00000236267 (1
ZNF513 (2.3)	ERGIC3 (2.0)	PVR (1.6)	ZHX3 (1.6)	ENSG00000236267 (1
ZNF513 (2.3)	ERGIC3 (2.0)	PVR (1.6)	ZHX3 (1.6)	ENSG00000236267 (1
R3HDM1 (2.1)	LCT (2.0)	ENSG00000235545 (1	ENSG00000228044 (1	ZNF821 (1.5)
PSMA5 (1.8)	CLPTM1 (1.7)	NPEPPS (1.6)	FER1L4 (1.6)	GOT2P1 (1.5)
PSRC1 (2.0)	NOP58 (1.7)	MCM6 (1.7)	TOMM40 (1.6)	SLC22A3 (1.6)
DARS (1.9)	FER1L4 (1.8)	C17orf57 (1.8)	SUGP1 (1.6)	R3HDM1 (1.5)
ATXN7L2 (2.1)	C11orf9 (2.0)	HAVCR1 (1.9)	ENSG00000236436 (1	ABCA6 (1.7)
GNAI3 (1.9)	PLEC (1.8)	NPEPPS (1.8)	TOP1 (1.8)	NRBP1 (1.7)
PBX4 (1.8)	GNAT2 (1.8)	LPAR2 (1.6)	C17orf57 (1.3)	CILP2 (1.2)
SLC22A2 (1.8)	ST3GAL4 (1.7)	CYP26A1 (1.5)	ENSG00000226648 (1	POC5 (1.4)
HNF1A (1.6)	RP1 (1.4)	POC5 (1.4)	HAPLN4 (1.3)	GSTM5 (1.2)
IFT172 (2.6)	POC5 (2.3)	ENSG00000226648 (1	GOT2P1 (1.9)	PSRC1 (1.6)
YSK4 (2.3)	PLEC (2.3)	POLK (2.0)	GNAI3 (1.4)	EHBP1 (1.4)
PMFBP1 (1.8)	ZRANB3 (1.6)	RAB3GAP1 (1.5)	SUMO1 (1.4)	MCM6 (1.4)
C17orf57 (2.1)	MAMSTR (2.1)	FER1L4 (1.8)	OTX1 (1.6)	SYPL2 (1.4)
GSTM5 (1.2)	MAMSTR (1.1)	HNF1A (1.0)	CILP2 (1.0)	ABCA5 (1.0)
PLEC (2.4)	MAMSTR (2.2)	R3HDM1 (1.9)	NRBP1 (1.9)	GRINA (1.7)
PLEC (2.4)	MAMSTR (2.2)	R3HDM1 (1.9)	NRBP1 (1.9)	GRINA (1.7)
PLEC (2.4)	MAMSTR (2.2)	R3HDM1 (1.9)	NRBP1 (1.9)	GRINA (1.7)
OASL (2.1)	RAB3GAP1 (1.9)	CELSR2 (1.8)	TOMM40 (1.8)	ATXN7L2 (1.6)
FEN1 (2.2)	LPIN3 (1.9)	USP1 (1.9)	ZRANB3 (1.9)	DARS (1.8)
ABCA5 (1.8)	TXNL4B (1.8)	IST1 (1.7)	ZNF513 (1.6)	IFT172 (1.6)
PMFBP1 (2.8)	ENSG00000226622 (2	SYPL2 (2.3)	LPAL2 (2.2)	SLC22A3 (2.1)
SORT1 (2.0)	IZUMO1 (2.0)	COL4A3BP (1.8)	ENSG00000244861 (1	ABCA5 (1.4)
SORT1 (2.0)	IZUMO1 (2.0)	COL4A3BP (1.8)	ENSG00000244861 (1	ABCA5 (1.4)
ENSG00000226648 (2	LCT (1.7)	MAMSTR (1.7)	PLCG1 (1.6)	DNAH11 (1.5)
PPM1G (2.2)	SUMO1 (2.1)	SUGP1 (1.7)	ENSG00000231204 (1	DARS (1.4)
YSK4 (2.2)	PBX4 (2.0)	ENSG00000226806 (1	C19orf52 (1.9)	CYP26A1 (1.8)
PSRC1 (2.6)	IFT172 (2.5)	PBX4 (2.3)	ZRANB3 (2.0)	LPAR2 (1.9)
RAB3GAP1 (2.6)	IST1 (2.5)	SORT1 (2.4)	SNX17 (2.2)	UBXN4 (1.9)
FEN1 (2.1)	ATXN1L (2.1)	OASL (1.9)	PARP10 (1.9)	ZRANB3 (1.9)
BUD13 (2.2)	DARS (1.9)	SUGP1 (1.7)	SUMO1 (1.6)	ZNF259 (1.6)
FNDC4 (1.9)	C11orf9 (1.7)	CELSR2 (1.6)	COL4A3BP (1.5)	ENSG00000182329 (1
SMARCA4 (1.9)	R3HDM1 (1.9)	BMPR2 (1.7)	TOP1 (1.5)	USP1 (1.5)
SUMO1 (1.7)	ENSG00000244861 (1	AMIGO1 (1.5)	ENSG00000226645 (1	DNAH11 (1.4)
SYPL2 (1.9)	TXNL4B (1.8)	EHBP1 (1.8)	ENSG00000226806 (1	DNAH11 (1.4)
ENSG00000226806 (2	HAVCR1 (1.9)	PBX4 (1.9)	APOC1 (1.7)	APOE (1.7)
SLC44A2 (1.7)	OBP2B (1.7)	ZNF821 (1.6)	RP1 (1.5)	C19orf52 (1.5)
POC5 (3.5)	IFT172 (3.0)	ZRANB3 (2.7)	ENSG00000182329 (2	PBX4 (2.5)
IGF2R (1.9)	MAFB (1.5)	FUT2 (1.5)	LCT (1.3)	CARM1 (1.3)
MAMSTR (1.9)	R3HDM1 (1.8)	KANK2 (1.5)	LPL (1.5)	COL4A3BP (1.4)
GDF5 (1.8)	LPAL2 (1.8)	LPIN3 (1.4)	NFE2L3 (1.4)	PVR (1.2)
MAP3K4 (2.0)	POC5 (1.9)	GNAI3 (1.8)	ATXN7L2 (1.7)	ZNF513 (1.6)
NFE2L3 (1.8)	LIPG (1.8)	ENSG00000256731 (1	HAVCR1 (1.6)	SLC22A3 (1.4)
ZNF821 (2.0)	PBX4 (2.0)	OTX1 (1.9)	C11orf9 (1.9)	TBKBP1 (1.4)
AMIGO1 (2.0)	COL4A3BP (1.7)	AMPD2 (1.7)	ENSG00000226648 (1	ENSG00000236267 (1
CARM1 (2.0)	ABO (1.8)	GSTM5 (1.8)	ABCA6 (1.7)	ENSG00000235545 (1
LPIN3 (1.7)	ATXN7L2 (1.7)	RASIP1 (1.6)	ENSG00000226648 (1	ATXN1L (1.5)

USP1 (3.1)	CEP250 (2.4)	ENSG00000235545 (2	MAU2 (2.0)	NUP93 (1.9)
RAB3GAP1 (2.0)	POC5 (2.0)	DHX38 (1.8)	MAP3K4 (1.8)	IST1 (1.8)
SUGP1 (2.5)	ZNF259 (2.1)	RAB3GAP1 (1.6)	ENSG00000226806 (1	MAU2 (1.3)
ENSG00000226645 (1	PMFBP1 (1.6)	CELSR2 (1.5)	TSSK6 (1.5)	ATXN7L2 (1.4)
ENSG00000226806 (2	ATP13A1 (2.1)	IGF2R (2.1)	GRINA (1.6)	CYB561D1 (1.5)
LPIN3 (2.3)	SYPL2 (2.3)	CYP26A1 (2.0)	AMIGO1 (1.9)	GDF5 (1.8)
FUT1 (2.7)	UBXN4 (2.7)	ATXN1L (2.6)	TXNL4B (2.6)	YIPF2 (2.5)
TBKBP1 (2.0)	CELSR2 (1.8)	HNF1A (1.6)	R3HDM1 (1.6)	ZHX3 (1.5)
FADS1 (1.7)	FADS2 (1.7)	R3HDM1 (1.5)	OTX1 (1.4)	GSTM5 (1.4)
CETP (1.8)	GSTM5 (1.7)	HAPLN4 (1.6)	ENSG00000256731 (1	EHBP1 (1.5)
HAVCR1 (1.9)	FER1L4 (1.8)	CELSR2 (1.8)	AMIGO1 (1.7)	GPR61 (1.6)
POLK (2.5)	IZUMO1 (2.5)	IFT172 (2.2)	BUD13 (2.1)	OTX1 (2.0)
ENSG00000244861 (2	DHX38 (2.2)	ENSG00000231204 (2	POC5 (2.1)	TXNL4B (2.1)
EHBP1 (2.2)	ENSG00000236436 (2	CYP26A1 (1.8)	SLC22A1 (1.7)	ENSG00000226806 (1
ABO (2.3)	TBKBP1 (2.1)	OBP2B (1.6)	DNAH11 (1.4)	SLC22A2 (1.4)
TRIM54 (3.0)	NCAN (2.5)	PVR (2.1)	GSTM5 (1.9)	R3HDM1 (1.7)
TSSK6 (1.6)	ENSG00000236267 (1	GSTM5 (1.6)	GDF5 (1.6)	TBKBP1 (1.4)
NCAN (1.9)	SPATC1 (1.9)	CELSR2 (1.8)	TSSK6 (1.5)	NFE2L3 (1.4)
KPNB1 (2.0)	DARS (2.0)	MCM6 (1.9)	KANK2 (1.8)	POC5 (1.7)
NCAN (2.0)	NPEPPS (2.0)	TBKBP1 (1.8)	ST3GAL4 (1.7)	ENSG00000226648 (1
DHX38 (2.0)	BUD13 (1.9)	MAP3K4 (1.7)	ZNF821 (1.6)	SMARCA4 (1.6)
PMFBP1 (1.8)	ENSG00000256731 (1	ENSG00000254235 (1	LPAL2 (1.5)	GNAT2 (1.4)
TXNL4B (2.5)	FNDC4 (2.2)	DHODH (2.2)	ANGPTL3 (2.0)	SLC22A1 (1.8)
PLEC (1.8)	BMPR2 (1.7)	TXNL4B (1.7)	BCAM (1.7)	POLK (1.6)
AMIGO1 (2.3)	ENSG00000256731 (2	ENSG00000226622 (2	ENSG00000244861 (1	PMFBP1 (1.5)
GATAD2A (1.7)	BMPR2 (1.4)	SMARCA4 (1.4)	DOCK7 (1.3)	USP1 (1.3)
ENSG00000228044 (1	IZUMO1 (1.5)	GPR61 (1.5)	TXNL4B (1.4)	CYB561D1 (1.4)
SUGP1 (2.0)	ATP13A1 (1.7)	TRAM2 (1.6)	TOMM40 (1.5)	PPM1G (1.5)
MCM6 (2.7)	USP1 (2.2)	ZRANB3 (1.6)	ZNF821 (1.6)	LPIN3 (1.5)
CELSR2 (1.9)	PMFBP1 (1.6)	LPAR2 (1.4)	ENSG00000256731 (1	PBX4 (1.2)
ENSG00000236436 (2	ATXN1L (2.0)	ZNF259 (2.0)	USP24 (1.9)	DHX38 (1.7)
ENSG00000182329 (2	KRTCAP3 (2.5)	SORT1 (2.2)	CELSR2 (2.1)	YSK4 (1.7)
LCT (1.7)	RAB3GAP1 (1.6)	TRAM2 (1.6)	AMIGO1 (1.5)	IZUMO1 (1.4)
YSK4 (2.3)	CELSR2 (2.1)	SLC44A2 (1.9)	FUT2 (1.8)	FNDC4 (1.6)
TXNL4B (2.4)	ERGIC3 (2.4)	CLPTM1 (2.4)	SUGP1 (2.2)	ZNF513 (2.0)
PMFBP1 (3.6)	OBP2B (1.9)	IFT172 (1.1)	ABO (1.1)	ZNF821 (0.9)
POC5 (2.8)	TSSK6 (2.6)	TXNL4B (2.5)	ENSG00000226648 (2	PMFBP1 (1.9)
ZHX3 (1.7)	PVR (1.6)	SNX17 (1.4)	DNAH11 (1.4)	TRIB1 (1.3)
ENSG00000226806 (2	ENSG00000226648 (2	MAMSTR (2.2)	ENSG00000228044 (2	SYPL2 (1.9)
ENSG00000226806 (2	ENSG00000226648 (2	MAMSTR (2.2)	ENSG00000228044 (2	SYPL2 (1.9)
PSMA5 (2.0)	SMARCA4 (1.9)	DHODH (1.9)	SUMO1 (1.7)	R3HDM1 (1.7)
SUGP1 (1.8)	SMARCA4 (1.6)	PCSK9 (1.5)	HMGCR (1.5)	FADS1 (1.4)
KANK2 (2.1)	AMIGO1 (1.8)	LPL (1.8)	MYLIP (1.6)	POLK (1.6)
DHX38 (2.0)	MAP3K4 (1.8)	COL4A3BP (1.7)	C19orf52 (1.7)	SUMO1 (1.7)
HAPLN4 (1.8)	HNF1A (1.7)	OTX1 (1.7)	APOE (1.5)	YSK4 (1.3)
MAP3K4 (2.3)	ZNF821 (2.2)	ENSG00000244861 (2	PPM1G (1.7)	RAB3GAP1 (1.6)
LPIN3 (1.4)	MAMSTR (1.4)	POC5 (1.3)	R3HDM1 (1.3)	C17orf57 (1.2)
PSRC1 (1.6)	R3HDM1 (1.5)	ENSG00000226645 (1	BUD13 (1.3)	MYLIP (1.1)
ATXN1L (2.4)	AMIGO1 (2.1)	EHBP1 (2.1)	HAVCR1 (2.1)	IZUMO1 (2.0)
R3HDM1 (1.6)	PSRC1 (1.5)	ENSG00000226645 (1	BUD13 (1.3)	TSSK6 (1.2)

ZNF259 (2.0)	C19orf52 (1.9)	BUD13 (1.9)	PSMA5 (1.9)	MAP3K4 (1.8)
PGS1 (1.8)	LPIN3 (1.8)	ZHX3 (1.8)	C12orf43 (1.7)	ENSG00000236436 (1
POC5 (1.9)	MAMSTR (1.6)	USP1 (1.4)	PSRC1 (1.3)	ZHX3 (1.3)
ENSG00000235545 (1	FUT2 (1.4)	ENSG00000231204 (1	HAVCR1 (1.3)	FEN1 (1.3)
GSTM4 (2.1)	TOMM40 (2.1)	C19orf52 (1.5)	SARS (1.5)	CLPTM1 (1.4)
ABCA6 (2.0)	TXNL4B (1.9)	C17orf57 (1.8)	GOT2P1 (1.7)	DARS (1.7)
ABCA6 (2.0)	TXNL4B (1.9)	C17orf57 (1.8)	GOT2P1 (1.7)	DARS (1.7)
MYLIP (1.6)	PMFBP1 (1.6)	PARP10 (1.5)	DNAH11 (1.4)	R3HDM1 (1.2)
CILP2 (1.9)	USP24 (1.5)	CYP26A1 (1.4)	CELSR2 (1.1)	FUT2 (1.1)
IST1 (2.4)	CILP2 (2.1)	SYPL2 (2.1)	ENSG00000226806 (2	ENSG00000226648 (1
ATXN7L2 (2.2)	GOT2P1 (2.1)	HAPLN4 (1.8)	ENSG00000254235 (1	ABO (1.5)
ZNF821 (1.9)	DOCK7 (1.9)	SMARCA4 (1.7)	USP1 (1.4)	ENSG00000235545 (1
ATXN1L (1.5)	SLC44A2 (1.5)	ENSG00000256731 (1	POLK (1.4)	ENSG00000228044 (1
AMIGO1 (1.5)	SARS (1.4)	NOP58 (1.1)	SUGP1 (1.1)	PGS1 (1.1)
C19orf52 (1.5)	SLC22A1 (1.4)	MYLIP (1.4)	ENSG00000235545 (1	R3HDM1 (1.3)
ZNF821 (2.6)	NPEPPS (2.6)	IST1 (2.1)	NRBP1 (2.0)	SARS (2.0)
TBKBP1 (1.8)	C12orf43 (1.8)	ENSG00000256731 (1	ST3GAL4 (1.6)	SPATC1 (1.5)
IZUMO1 (1.8)	LPAL2 (1.4)	FGF21 (1.0)	KANK2 (0.9)	GSTM5 (0.8)
FEN1 (1.4)	ENSG00000236436 (1	SLC22A2 (1.3)	DNAH11 (1.3)	ENSG00000235545 (1
IFT172 (2.6)	PCSK9 (2.3)	C12orf43 (1.9)	POC5 (1.8)	BUD13 (1.8)
GSTM4 (1.5)	ENSG00000236436 (1	TOMM40 (1.3)	ENSG00000182329 (1	MAU2 (1.2)
KANK2 (2.0)	ENSG00000226648 (2	ENSG00000254235 (1	RAB3GAP1 (1.6)	ENSG00000226806 (1
FNDC4 (1.5)	EHBP1 (1.5)	BMPR2 (1.5)	IGF2R (1.5)	DOCK7 (1.4)
SUGP1 (2.5)	ZNF259 (2.1)	ENSG00000226806 (1	RAB3GAP1 (1.6)	DARS (1.5)
ABO (2.5)	ENSG00000226622 (2	PMFBP1 (1.8)	ENSG00000236267 (1	ENSG00000256731 (1
COL4A3BP (2.1)	GNAI3 (2.0)	POC5 (1.9)	BMPR2 (1.8)	PPM1G (1.8)
ENSG00000182329 (2	IFT172 (1.9)	PVRL2 (1.7)	ZNF513 (1.6)	YIPF2 (1.5)
SUMO1 (2.5)	MAP3K4 (2.4)	ENSG00000244861 (2	ZNF513 (1.7)	PPM1G (1.7)
ABO (2.2)	ENSG00000236436 (1	FUT2 (1.6)	FNDC4 (1.5)	CELSR2 (1.5)
CETP (2.2)	SORT1 (2.0)	ENSG00000236267 (1	SLC22A3 (1.6)	GSTM5 (1.5)
IZUMO1 (1.4)	HAVCR1 (1.3)	ENSG00000236267 (1	ENSG00000236436 (1	TBKBP1 (1.1)
FNDC4 (2.3)	NCAN (2.0)	OTX1 (2.0)	ENSG00000182329 (1	ENSG00000226622 (1
LPAR2 (2.2)	DNAH11 (2.2)	R3HDM1 (2.1)	NCAN (1.9)	EHBP1 (1.7)
PSMA5 (1.5)	ZNF259 (1.5)	C19orf52 (1.4)	NOP58 (1.2)	KPNB1 (1.1)
R3HDM1 (1.6)	SNX17 (1.5)	OTX1 (1.4)	GSTM5 (1.4)	ABO (1.3)
YIPF2 (2.5)	COL4A3BP (2.1)	USP24 (2.0)	NRBP1 (1.9)	UBXN4 (1.9)
BCAM (2.3)	PVR (2.3)	CILP2 (2.3)	HAVCR1 (2.3)	SYPL2 (2.2)
ZNF259 (2.4)	ZNF513 (2.1)	SUGP1 (2.1)	BUD13 (1.7)	GOT2P1 (1.7)
GPR61 (2.0)	ABCA5 (2.0)	YIPF2 (1.8)	TSSK6 (1.7)	ENSG00000244861 (1
UBXN4 (2.9)	RAB3GAP1 (2.8)	C19orf52 (2.5)	CYB561D1 (2.3)	ATXN1L (2.3)
MAMSTR (2.4)	C12orf43 (2.2)	C11orf9 (1.8)	SARS (1.7)	SNX17 (1.7)
GNAT2 (2.1)	NRBP1 (2.0)	AMPD2 (1.9)	C19orf52 (1.5)	FUT2 (1.5)
SUGP1 (1.7)	CEP250 (1.6)	LPIN3 (1.5)	DOCK7 (1.5)	FUT1 (1.4)
ZNF821 (2.5)	CBLC (2.4)	IST1 (2.2)	FNDC4 (1.9)	DOCK6 (1.8)
ENSG00000236436 (1	NCAN (1.6)	FNDC4 (1.5)	HAPLN4 (1.5)	PSRC1 (1.5)
GSTM4 (1.9)	BUD13 (1.8)	NPEPPS (1.7)	TOMM40 (1.7)	GOT2P1 (1.7)
C19orf52 (2.0)	SMARCA4 (2.0)	SUGP1 (2.0)	USP1 (1.9)	BUD13 (1.8)
POLK (2.0)	MYLIP (2.0)	DOCK7 (1.6)	SORT1 (1.5)	MAFB (1.5)
ENSG00000226806 (1	USP24 (1.9)	ENSG00000236267 (1	ENSG00000254235 (1	ZNF513 (1.6)
USP1 (3.2)	ZRANB3 (3.2)	MCM6 (2.8)	POLK (1.9)	NUP93 (1.7)

POC5 (1.9)	IST1 (1.8)	ATXN1L (1.8)	DHX38 (1.6)	MAP3K4 (1.6)
FUT1 (2.2)	IZUMO1 (2.1)	LPIN3 (1.9)	LIPG (1.8)	CYB561D1 (1.8)
SLC22A2 (1.7)	MAU2 (1.7)	FUT2 (1.6)	GNAI3 (1.5)	HNF4A (1.5)
ATXN1L (2.9)	SARS (2.8)	TXNL4B (2.7)	UBXN4 (2.6)	IZUMO1 (2.3)
ATXN1L (2.9)	SARS (2.8)	TXNL4B (2.7)	UBXN4 (2.6)	IZUMO1 (2.3)
SNX17 (2.2)	DARS (2.2)	NOP58 (2.1)	FGF21 (2.1)	SUGP1 (2.1)
TSSK6 (1.7)	GNAI3 (1.6)	ENSG00000236267 (1	PMFBP1 (1.5)	NRBP1 (1.4)
ENSG00000236267 (2	C19orf52 (2.3)	ENSG00000231204 (1	ZHX3 (1.6)	LCT (1.5)
ENSG00000231204 (2	UBXN4 (1.8)	ZNF821 (1.8)	DHX38 (1.6)	YIPF2 (1.5)
LPIN3 (2.0)	GSTM5 (2.0)	SLC22A3 (1.9)	ENSG00000226622 (1	IZUMO1 (1.8)
LPIN3 (2.0)	GSTM5 (2.0)	SLC22A3 (1.9)	ENSG00000226622 (1	IZUMO1 (1.8)
TSSK6 (2.0)	ENSG00000236436 (1	C19orf52 (1.4)	NYNRIN (1.4)	FGF21 (1.2)
SYPL2 (2.6)	ENSG00000226622 (2	SLC22A3 (2.1)	OBP2B (2.0)	GSTM5 (2.0)
EHBP1 (2.2)	TOMM40 (2.1)	NRBP1 (1.8)	ZNF259 (1.6)	ERGIC3 (1.6)
ZRANB3 (2.6)	POLK (2.3)	BUD13 (2.2)	USP1 (1.9)	PMFBP1 (1.7)
ANGPTL3 (2.8)	TBKBP1 (2.3)	SYPL2 (1.7)	SLC22A1 (1.7)	ENSG00000226806 (1
C19orf52 (1.2)	GSTM4 (1.2)	LPL (1.1)	IFT172 (1.1)	ERGIC3 (1.0)
TSSK6 (2.3)	C17orf57 (1.9)	KRTCAP3 (1.8)	GOT2P1 (1.8)	SLC22A3 (1.7)
C19orf52 (1.7)	FER1L4 (1.7)	USP1 (1.6)	SMARCA4 (1.5)	ZNF821 (1.5)
C19orf52 (1.5)	DHODH (1.5)	ENSG00000244861 (1	KRTCAP3 (1.1)	ENSG00000226622 (1
C19orf52 (1.5)	DHODH (1.5)	ENSG00000244861 (1	KRTCAP3 (1.1)	ENSG00000226622 (1
GSTM4 (2.0)	CLPTM1 (2.0)	TOMM40 (1.9)	NPEPPS (1.7)	GNAT2 (1.4)
FNDC4 (1.8)	ENSG00000244861 (1	ENSG00000236267 (1	USP24 (1.7)	BMPR2 (1.4)
DOCK7 (2.1)	C17orf57 (2.0)	CYB561D1 (2.0)	C19orf52 (1.9)	ATXN1L (1.9)
BUD13 (2.2)	OBP2B (1.9)	C19orf52 (1.6)	TOP1 (1.5)	POC5 (1.5)
ATXN7L2 (2.1)	LPIN3 (2.0)	DOCK7 (2.0)	TBKBP1 (2.0)	SLC22A3 (1.8)
EHBP1 (2.2)	LPIN3 (2.0)	HNF1A (1.8)	TRIM54 (1.8)	GDF5 (1.8)
AMPD2 (2.6)	GNAT2 (2.5)	DHODH (2.4)	SYPL2 (2.1)	MAMSTR (1.9)
AMPD2 (2.6)	GNAT2 (2.5)	DHODH (2.4)	SYPL2 (2.1)	MAMSTR (1.9)
ENSG00000254235 (1	GNAT2 (1.4)	ENSG00000256731 (1	TXNL4B (1.4)	PMFBP1 (1.4)
GRINA (2.1)	SNX17 (2.1)	SUGP1 (2.0)	GSTM4 (1.9)	CYP26A1 (1.5)
GATAD2A (1.7)	ENSG00000226645 (1	ATXN7L2 (1.7)	ERGIC3 (1.6)	TXNL4B (1.5)
GATAD2A (1.7)	ENSG00000226645 (1	ATXN7L2 (1.7)	ERGIC3 (1.6)	TXNL4B (1.5)
ABCA5 (2.1)	SYPL2 (2.0)	HNF1A (1.9)	IFT172 (1.8)	HAPLN4 (1.6)
GRINA (1.9)	NYNRIN (1.6)	IFT172 (1.6)	EHBP1 (1.5)	DOCK7 (1.4)
BUD13 (2.2)	IST1 (2.1)	ATXN1L (2.1)	NPEPPS (1.9)	MAP3K4 (1.7)
CELSR2 (2.1)	SORT1 (2.1)	R3HDM1 (1.9)	C12orf43 (1.5)	GRINA (1.4)
CELSR2 (2.1)	ENSG00000226648 (2	YSK4 (1.9)	FNDC4 (1.6)	OBP2B (1.5)
ENSG00000231204 (2	SUGP1 (1.9)	TOP1 (1.4)	TRAM2 (1.4)	C19orf52 (1.4)
ENSG00000231204 (2	SUGP1 (1.9)	TOP1 (1.4)	TRAM2 (1.4)	C19orf52 (1.4)
ENSG00000231204 (2	SUGP1 (1.9)	TOP1 (1.4)	TRAM2 (1.4)	C19orf52 (1.4)
CELSR2 (2.0)	PGS1 (1.9)	SORT1 (1.8)	PARP10 (1.3)	TSSK6 (1.1)
MAU2 (1.4)	LPL (1.3)	GSTM4 (1.2)	RAB3GAP1 (1.2)	IFT172 (1.1)
TRIM54 (2.0)	ENSG00000182329 (1	NCAN (1.7)	RASIP1 (1.7)	OASL (1.7)
NCAN (2.3)	BMPR2 (2.2)	GPR61 (2.0)	CYB561D1 (1.9)	OTX1 (1.7)
ST3GAL4 (2.1)	TBKBP1 (1.8)	LIPG (1.8)	OASL (1.7)	PARP10 (1.7)
ABO (2.0)	LPL (1.7)	SLC22A3 (1.7)	OASL (1.5)	LCT (1.4)
ENSG00000236436 (2	LPIN3 (2.2)	CELSR2 (2.1)	PBX4 (2.0)	CYB561D1 (1.9)
BCAM (2.0)	GRINA (1.7)	RASIP1 (1.6)	TRIM54 (1.5)	ENSG00000231204 (1
ENSG00000254235 (1	APOE (1.8)	ENSG00000226648 (1	FUT1 (1.6)	LPAL2 (1.5)

ENSG00000226648 (1	KRTCAP3 (1.8)	DNAH11 (1.7)	CARM1 (1.4)	HAPLN4 (1.4)
UBXN4 (2.2)	NRBP1 (2.0)	AMPD2 (1.7)	C19orf52 (1.6)	LPIN3 (1.5)
SNX17 (2.2)	GRINA (2.1)	IST1 (2.0)	ATP13A1 (2.0)	ABCA5 (1.8)
MCM6 (2.2)	USP1 (2.0)	FEN1 (1.9)	NUP93 (1.8)	BUD13 (1.8)
SUGP1 (2.1)	GATAD2A (1.6)	TOP1 (1.5)	ATXN7L2 (1.5)	POC5 (1.4)
POLK (2.2)	C12orf43 (2.0)	AMIGO1 (1.7)	USP1 (1.6)	FEN1 (1.5)
GOT2P1 (1.5)	ENSG00000254235 (1	HAPLN4 (1.4)	TM6SF2 (1.3)	ZHX3 (1.2)
POC5 (1.4)	CEP250 (1.4)	GOT2P1 (1.4)	ENSG00000236267 (1	ABCA6 (1.1)
SNX17 (2.4)	TXNL4B (2.4)	KRTCAP3 (2.3)	CEP250 (2.2)	NPEPPS (1.8)
SLC22A2 (2.8)	CELSR2 (2.8)	SORT1 (2.2)	R3HDM1 (1.9)	GPR61 (1.9)
SLC44A2 (1.6)	KANK2 (1.5)	GNAT2 (1.3)	MYLIP (1.2)	R3HDM1 (1.2)
C19orf52 (1.9)	ST3GAL4 (1.7)	ENSG00000236436 (1	TRAM2 (1.4)	KANK2 (1.4)
MYLIP (1.9)	NCAN (1.7)	TBKBP1 (1.5)	RASIP1 (1.5)	HAVCR1 (1.4)
POLK (2.4)	GOT2P1 (2.2)	BUD13 (2.1)	YSK4 (2.1)	PSRC1 (1.8)
ERGIC3 (2.3)	SUMO1 (2.1)	USP1 (2.1)	ZNF821 (1.9)	PPM1G (1.8)
TM6SF2 (1.9)	PMFBP1 (1.9)	NCAN (1.9)	SARS (1.9)	DNAH11 (1.8)
ZNF513 (2.8)	UBXN4 (2.1)	BUD13 (2.0)	SUMO1 (1.9)	NPEPPS (1.8)
SUGP1 (2.4)	SARS (2.0)	ZNF259 (1.9)	DARS (1.8)	NRBP1 (1.7)
TRIM54 (2.5)	NCAN (2.4)	ENSG00000228044 (2	HNF1A (2.0)	TSSK6 (2.0)
FGF21 (1.5)	SLC22A2 (1.5)	CYB561D1 (1.5)	LPAL2 (1.5)	ENSG00000244861 (1
ABCA5 (2.0)	GOT2P1 (2.0)	TBKBP1 (1.6)	IFT172 (1.2)	ENSG00000226622 (1
POLK (2.8)	IZUMO1 (2.6)	IFT172 (2.4)	MAP3K4 (2.0)	BUD13 (2.0)
ZRANB3 (2.7)	CEP250 (2.1)	NUP93 (2.1)	SPATC1 (1.7)	ENSG00000231204 (1
BUD13 (2.3)	POC5 (2.2)	C17orf57 (2.0)	MAP3K4 (1.9)	RAB3GAP1 (1.9)
PLEC (1.9)	TXNL4B (1.8)	SLC22A3 (1.7)	EHBP1 (1.6)	APOE (1.5)
COL4A3BP (1.8)	OASL (1.7)	BUD13 (1.7)	TOMM40 (1.6)	ZNF821 (1.6)
ZNF821 (1.6)	GATAD2A (1.5)	PPM1G (1.4)	R3HDM1 (1.3)	ATXN7L2 (1.2)
ZNF821 (1.6)	GATAD2A (1.5)	PPM1G (1.4)	R3HDM1 (1.3)	ATXN7L2 (1.2)
ZNF821 (1.6)	GATAD2A (1.5)	PPM1G (1.4)	R3HDM1 (1.3)	ATXN7L2 (1.2)
PBX4 (2.6)	RAB3GAP1 (2.0)	IFT172 (2.0)	ENSG00000244861 (2	SPATC1 (1.8)
TBKBP1 (2.1)	NCAN (1.9)	ENSG00000231204 (1	C12orf43 (1.7)	SPATC1 (1.6)
HAPLN4 (2.8)	ENSG00000182329 (2	TBKBP1 (2.1)	CELSR2 (2.1)	C12orf43 (1.7)
SARS (1.7)	SNX17 (1.6)	TM6SF2 (1.4)	ENSG00000182329 (1	GSTM5 (1.3)
MAP3K4 (2.1)	ZNF513 (2.1)	BUD13 (2.0)	ENSG00000244861 (1	ZNF821 (1.9)
MAMSTR (1.9)	AMIGO1 (1.8)	NRBP1 (1.8)	TOP1 (1.7)	TBKBP1 (1.6)
NOP58 (2.4)	DHODH (2.4)	SNX17 (2.3)	ZNF259 (2.2)	KPNB1 (2.0)
AMPD2 (1.8)	UBXN4 (1.8)	HAPLN4 (1.7)	GNAI3 (1.6)	RAB3GAP1 (1.6)
CLPTM1 (2.0)	ERGIC3 (1.8)	GSTM4 (1.8)	MAU2 (1.7)	GOT2P1 (1.7)
C17orf57 (1.9)	HAVCR1 (1.9)	ENSG00000231204 (1	ENSG00000236267 (1	ENSG00000228044 (1
RAB3GAP1 (1.9)	SORT1 (1.8)	TSSK6 (1.6)	PLEC (1.6)	NCAN (1.4)
NPEPPS (1.6)	SNX17 (1.6)	GRINA (1.4)	KRTCAP3 (1.4)	C12orf43 (1.4)
CETP (2.2)	SLC22A3 (2.0)	TIMD4 (2.0)	CYB561D1 (1.7)	HAVCR1 (1.7)
CETP (2.2)	SLC22A3 (2.0)	TIMD4 (2.0)	CYB561D1 (1.7)	HAVCR1 (1.7)
CEP250 (1.9)	AMPD2 (1.6)	GPR61 (1.4)	CILP2 (1.4)	LPAL2 (1.4)
MAP3K4 (2.3)	DHX38 (2.2)	SUGP1 (2.2)	TOP1 (1.9)	MAU2 (1.8)
MAU2 (1.5)	IFT172 (1.5)	ENSG00000244861 (1	GSTM4 (1.3)	RAB3GAP1 (1.2)
SARS (2.8)	ATXN1L (2.5)	UBXN4 (2.4)	IZUMO1 (2.3)	TXNL4B (2.1)
MAP3K4 (2.4)	BUD13 (2.4)	C17orf57 (1.8)	ENSG00000244861 (1	PPM1G (1.6)
ENSG00000226648 (2	FUT1 (2.3)	SLC22A2 (1.7)	ATXN7L2 (1.6)	BCAM (1.6)
BMPR2 (1.8)	SMARCA4 (1.7)	NUP93 (1.6)	R3HDM1 (1.5)	TOP1 (1.5)

OTX1 (1.9)	BMPR2 (1.9)	CELSR2 (1.7)	FNDC4 (1.6)	GOT2P1 (1.6)
HAPLN4 (2.2)	SLC22A2 (2.2)	ENSG00000226806 (1	ENSG00000244861 (1	NCAN (1.4)
IFT172 (3.0)	CEP250 (2.9)	USP1 (2.5)	PBX4 (2.3)	EHBP1 (2.2)
ENSG00000236436 (2	NCAN (2.3)	GSTM5 (2.0)	DNAH11 (1.9)	DOCK7 (1.8)
ENSG00000236436 (2	NCAN (2.3)	GSTM5 (2.0)	DNAH11 (1.9)	DOCK7 (1.8)
NYNRIN (1.8)	CILP2 (1.7)	GDF5 (1.6)	C19orf52 (1.6)	ATXN7L2 (1.6)
GOT2P1 (1.3)	IFT172 (1.2)	ENSG00000182329 (1	LPL (1.2)	GPAM (1.2)
ENSG00000231204 (1	TOP1 (1.5)	ERGIC3 (1.5)	ZNF259 (1.4)	C19orf52 (1.4)
DOCK6 (1.9)	NYNRIN (1.6)	GSTM5 (1.6)	ENSG00000226648 (1	ZNF821 (1.5)
BUD13 (2.3)	TXNL4B (2.2)	USP1 (1.7)	SUGP1 (1.5)	C19orf52 (1.5)
FEN1 (2.0)	POC5 (1.8)	GRINA (1.8)	ENSG00000226645 (1	ZRANB3 (1.7)
POC5 (2.5)	IFT172 (2.1)	USP1 (1.7)	LPAR2 (1.5)	NUP93 (1.2)
R3HDM1 (1.9)	SORT1 (1.9)	CELSR2 (1.6)	DNAH11 (1.3)	FADS1 (1.3)
MAU2 (2.5)	ATXN1L (2.2)	TBKBP1 (2.2)	CYB561D1 (1.8)	TSSK6 (1.8)
GPR61 (2.0)	ENSG00000236267 (1	OBP2B (1.9)	TSSK6 (1.5)	SLC22A2 (1.5)
EHBP1 (1.9)	ENSG00000235545 (1	ATXN1L (1.6)	C17orf57 (1.5)	CYB561D1 (1.4)
PPM1G (2.2)	SUMO1 (2.0)	SUGP1 (1.7)	DARS (1.4)	ENSG00000231204 (1
SMARCA4 (1.9)	CELSR2 (1.9)	USP24 (1.8)	LPAR2 (1.7)	ZHX3 (1.7)
SUGP1 (1.8)	CEP250 (1.7)	DOCK7 (1.6)	LPIN3 (1.5)	FUT1 (1.4)
IST1 (2.3)	CYB561D1 (1.9)	TXNL4B (1.9)	RELB (1.7)	SPATC1 (1.7)
RAB3GAP1 (2.3)	ENSG00000226806 (2	GNAI3 (2.1)	DARS (2.0)	SNX17 (1.7)
PPM1G (2.2)	SUMO1 (2.1)	SUGP1 (1.6)	DARS (1.6)	ENSG00000231204 (1
FNDC4 (2.4)	CELSR2 (2.3)	ZHX3 (2.1)	CBLC (2.0)	KRTCAP3 (1.9)
ATXN7L2 (1.5)	USP1 (1.5)	AMIGO1 (1.5)	CARM1 (1.3)	LPAR2 (1.2)
LDLR (1.5)	PLEC (1.5)	APOA4 (1.4)	PVR (1.4)	YSK4 (1.4)
NCAN (1.9)	CELSR2 (1.9)	IZUMO1 (1.7)	SLC22A2 (1.7)	USP24 (1.7)
APOC1 (1.6)	OBP2B (1.6)	MAFB (1.6)	APOE (1.4)	PVR (1.4)
UBXN4 (2.2)	NPEPPS (2.1)	TOP1 (1.8)	RAB3GAP1 (1.6)	PARP10 (1.6)
PPM1G (2.3)	SUMO1 (1.9)	SUGP1 (1.7)	ENSG00000231204 (1	DARS (1.4)
SMARCA4 (1.7)	NUP93 (1.5)	R3HDM1 (1.5)	USP1 (1.4)	TOP1 (1.4)
TRIB1 (1.5)	SUMO1 (1.5)	SNX17 (1.5)	SYPL2 (1.4)	ENSG00000226645 (1
CEP250 (1.8)	SUGP1 (1.8)	DOCK7 (1.7)	LPIN3 (1.6)	MAP3K4 (1.3)
GMIP (2.0)	APOE (1.9)	DOCK7 (1.8)	HAVCR1 (1.6)	MAFB (1.5)
ZNF821 (2.0)	DOCK6 (1.8)	KANK2 (1.7)	C11orf9 (1.7)	ZRANB3 (1.6)
ENSG00000244861 (2	PBX4 (1.7)	C17orf57 (1.6)	DARS (1.5)	ENSG00000226648 (1
ENSG00000244861 (2	PBX4 (1.7)	C17orf57 (1.6)	DARS (1.5)	ENSG00000226648 (1
MAFB (1.6)	LPAR2 (1.6)	GMIP (1.6)	TRIB1 (1.4)	NCAN (1.3)
MAFB (1.6)	LPAR2 (1.6)	GMIP (1.6)	TRIB1 (1.4)	NCAN (1.3)
CILP2 (1.8)	YSK4 (1.8)	ZNF821 (1.7)	CELSR2 (1.6)	CYP26A1 (1.4)
BUD13 (2.3)	SUMO1 (1.9)	SUGP1 (1.5)	ENSG00000231204 (1	DARS (1.3)
BUD13 (1.7)	ERGIC3 (1.6)	PLCG1 (1.5)	DHODH (1.3)	ENSG00000235545 (1
ENSG00000226622 (2	SLC22A3 (2.0)	ENSG00000226645 (1	MAP3K4 (1.8)	ENSG00000256731 (1
MAU2 (2.1)	BUD13 (1.8)	POC5 (1.5)	PGS1 (1.4)	C12orf43 (1.3)
ZNF821 (1.8)	ABCA5 (1.6)	RP1 (1.6)	IZUMO1 (1.6)	ENSG00000235545 (1
ABCA5 (2.0)	SYPL2 (1.9)	HNF1A (1.9)	HAPLN4 (1.6)	IFT172 (1.6)
GSTM5 (2.0)	ENSG00000226648 (2	GPR61 (2.0)	DNAH11 (1.9)	AMIGO1 (1.7)
HAPLN4 (2.0)	ENSG00000235545 (2	ENSG00000226806 (1	DNAH11 (1.7)	OTX1 (1.6)
SPATC1 (2.8)	PMFBP1 (2.5)	IZUMO1 (2.0)	DNAH11 (1.8)	SUMO1 (1.8)
SARS (2.3)	ZHX3 (2.2)	NRBP1 (2.1)	SYPL2 (2.0)	AMIGO1 (2.0)
FER1L4 (2.1)	FADS1 (2.0)	FNDC4 (1.8)	CELSR2 (1.6)	FADS2 (1.4)

AMIGO1 (1.5)	COL4A3BP (1.4)	ENSG00000231204 (1	ENSG00000182329 (1	CYP26A1 (1.3)
ZRANB3 (1.9)	ATXN1L (1.9)	SUMO1 (1.8)	TSSK6 (1.6)	FUT1 (1.6)
ZNF821 (1.6)	LCT (1.6)	TOP1 (1.5)	USP1 (1.3)	TRIB1 (1.3)
ERGIC3 (1.7)	YIPF2 (1.6)	IGF2R (1.5)	MAU2 (1.4)	IFT172 (1.4)
GRINA (2.4)	DOCK7 (2.4)	SNX17 (2.3)	SUGP1 (2.1)	NPEPPS (1.9)
AMIGO1 (2.0)	ABO (1.9)	RAB3GAP1 (1.7)	ATP13A1 (1.7)	ZHX3 (1.7)
FUT2 (1.8)	ENSG00000228044 (1	TM6SF2 (1.5)	ENSG00000182329 (1	ERGIC3 (1.5)
PSMA5 (2.7)	PPM1G (2.6)	IST1 (2.4)	SUMO1 (2.3)	ENSG00000256731 (2
ENSG00000226645 (1	PGS1 (1.5)	SUMO1 (1.4)	DNAH11 (1.4)	PPM1G (1.3)
RAB3GAP1 (2.2)	YIPF2 (2.0)	SARS (1.8)	TSSK6 (1.7)	FER1L4 (1.7)
SUMO1 (2.0)	AMIGO1 (1.8)	CYB561D1 (1.6)	GATAD2A (1.5)	ATXN7L2 (1.4)
POLK (1.7)	TXNL4B (1.6)	ENSG00000254235 (1	RAB3GAP1 (1.4)	SPATC1 (1.4)
NCAN (1.9)	CELSR2 (1.7)	R3HDM1 (1.7)	BMPR2 (1.7)	NRBP1 (1.6)
ATXN1L (2.1)	RAB3GAP1 (1.9)	EHBP1 (1.8)	MAP3K4 (1.7)	PBX4 (1.6)
CYP26A1 (2.0)	LCT (1.6)	ENSG00000226648 (1	TBKBP1 (1.6)	ATXN1L (1.4)
FER1L4 (1.7)	CELSR2 (1.6)	GPR61 (1.6)	SYPL2 (1.5)	CEP250 (1.5)
USP1 (2.8)	CEP250 (2.5)	NUP93 (2.2)	PPM1G (2.1)	ENSG00000235545 (1
C11orf9 (2.1)	CELSR2 (1.8)	SORT1 (1.7)	GDF5 (1.5)	GPR61 (1.5)
BMPR2 (1.4)	SORT1 (1.3)	TSSK6 (1.1)	RAB3GAP1 (1.0)	CEP250 (1.0)
C11orf9 (1.7)	PVR (1.7)	SPATC1 (1.6)	ABO (1.5)	TRAM2 (1.5)
USP1 (2.5)	ENSG00000226648 (2	FEN1 (2.0)	MCM6 (1.8)	ENSG00000228044 (1
POC5 (1.8)	MAMSTR (1.5)	USP1 (1.4)	PSRC1 (1.3)	ZHX3 (1.3)
POC5 (1.8)	MAMSTR (1.5)	USP1 (1.4)	PSRC1 (1.3)	ZHX3 (1.3)
GOT2P1 (1.5)	GPAM (1.2)	ERGIC3 (1.1)	LPL (1.0)	IFT172 (1.0)
DHX38 (1.9)	SUGP1 (1.8)	ENSG00000226645 (1	C19orf52 (1.4)	ATXN1L (1.4)
ENSG00000236436 (1	PMFBP1 (1.8)	HAPLN4 (1.7)	SLC22A2 (1.6)	ENSG00000244861 (1
HNF1A (2.4)	SPATC1 (2.0)	ZHX3 (2.0)	KRTCAP3 (1.6)	PMFBP1 (1.5)
HNF1A (2.4)	SPATC1 (2.0)	ZHX3 (2.0)	KRTCAP3 (1.6)	PMFBP1 (1.5)
ENSG00000236267 (2	DHODH (2.1)	IZUMO1 (1.7)	ENSG00000226622 (1	POC5 (1.4)
DARS (1.8)	PARP10 (1.7)	SUMO1 (1.7)	SPATC1 (1.6)	POLK (1.5)
TRIM54 (1.5)	PSMA5 (1.3)	MAU2 (1.3)	TBKBP1 (1.3)	ENSG00000244861 (1
OBP2B (2.1)	PMFBP1 (1.8)	TSSK6 (1.7)	CYB561D1 (1.6)	GNAI3 (1.5)
GPR61 (2.5)	NCAN (2.5)	LPAL2 (2.3)	ENSG00000244861 (2	SPATC1 (2.2)
ST3GAL4 (1.5)	CELSR2 (1.4)	MYLIP (1.2)	C12orf43 (1.1)	ENSG00000235545 (1
C11orf9 (1.7)	SORT1 (1.7)	PSRC1 (1.6)	GOT2P1 (1.5)	ABCA6 (1.4)
DOCK7 (2.2)	COL4A3BP (2.0)	USP24 (1.9)	GNAI3 (1.9)	ZNF821 (1.9)
TXNL4B (2.4)	RAB3GAP1 (2.1)	MAP3K4 (2.1)	ATXN7L2 (2.0)	ZNF821 (1.9)
DHX38 (1.7)	ATXN7L2 (1.7)	IST1 (1.7)	HMGCR (1.6)	RAB3GAP1 (1.5)
POC5 (2.0)	MAU2 (1.9)	USP1 (1.9)	BMPR2 (1.8)	MAP3K4 (1.7)
ENSG00000236436 (2	SUMO1 (2.1)	ENSG00000235545 (2	ENSG00000236267 (1	ENSG00000244861 (1
SARS (2.2)	ABCA6 (2.1)	CEP250 (2.0)	HAPLN4 (2.0)	SORT1 (1.9)
R3HDM1 (1.8)	FNDC4 (1.6)	C11orf9 (1.5)	FADS1 (1.5)	CELSR2 (1.5)
PSMA5 (1.3)	HAVCR1 (1.2)	RAB3GAP1 (1.2)	ERGIC3 (1.1)	HNF1A (1.1)
ENSG00000182329 (2	ABO (1.6)	TBKBP1 (1.5)	USP24 (1.3)	PCSK9 (1.3)
ENSG00000182329 (2	ABO (1.6)	TBKBP1 (1.5)	USP24 (1.3)	PCSK9 (1.3)
TXNL4B (2.5)	DHODH (2.0)	ST3GAL4 (1.8)	ENSG00000226645 (1	MAU2 (1.7)
SLC22A2 (1.9)	IST1 (1.7)	PMFBP1 (1.5)	ZRANB3 (1.5)	MAU2 (1.5)
ABCA5 (2.1)	SYPL2 (2.0)	IFT172 (1.9)	HNF1A (1.9)	HAPLN4 (1.6)
OBP2B (1.3)	FER1L4 (1.3)	NYNRIN (1.2)	LPL (1.2)	BUD13 (1.1)
FUT2 (1.9)	RASIP1 (1.7)	PBX4 (1.6)	AMPD2 (1.5)	KRTCAP3 (1.5)

TOMM40 (2.4)	YSK4 (1.6)	ATP13A1 (1.6)	NUP93 (1.5)	RAB3GAP1 (1.4)
TXNL4B (2.6)	ENSG00000236436 (2	SUMO1 (2.5)	USP1 (1.8)	ENSG00000226648 (1
TXNL4B (2.6)	ENSG00000236436 (2	SUMO1 (2.5)	USP1 (1.8)	ENSG00000226648 (1
TXNL4B (2.6)	ENSG00000236436 (2	SUMO1 (2.5)	USP1 (1.8)	ENSG00000226648 (1
ABCA5 (2.1)	SYPL2 (2.0)	HNF1A (1.9)	IFT172 (1.7)	PBX4 (1.6)
PLCG1 (1.9)	ABCA1 (1.9)	LPIN3 (1.8)	IST1 (1.7)	ZNF821 (1.6)
PCSK9 (1.9)	SUMO1 (1.9)	ATXN7L2 (1.7)	POC5 (1.7)	C12orf43 (1.7)
TXNL4B (2.4)	ZNF259 (1.8)	ENSG00000226806 (1	C12orf43 (1.6)	MAU2 (1.4)
ZNF821 (2.4)	SUMO1 (2.3)	ENSG00000244861 (1	RAB3GAP1 (1.7)	ZNF513 (1.7)
SORT1 (2.5)	SARS (2.3)	TXNL4B (2.1)	HAPLN4 (1.9)	C19orf52 (1.8)
GMIP (1.9)	POLK (1.7)	AMPD2 (1.7)	ENSG00000228044 (1	C17orf57 (1.6)
RAB3GAP1 (1.4)	IFT172 (1.2)	LPL (1.1)	ENSG00000182329 (1	GPAM (1.1)
C12orf43 (2.1)	NPEPPS (2.1)	ENSG00000226648 (1	ENSG00000244861 (1	ENSG00000231204 (1
CYB561D1 (1.9)	SYPL2 (1.8)	ENSG00000226645 (1	ZNF821 (1.6)	NCAN (1.6)
SUMO1 (2.6)	POC5 (2.5)	TXNL4B (2.1)	USP1 (1.9)	ENSG00000226648 (1
PMFBP1 (2.1)	ENSG00000226622 (1	ENSG00000256731 (1	AMIGO1 (1.7)	AMPD2 (1.7)
RAB3GAP1 (1.6)	PPM1G (1.6)	ENSG00000256731 (1	ENSG00000235545 (1	AMIGO1 (1.3)
NRBP1 (2.6)	IST1 (2.4)	PGS1 (2.2)	POLK (2.2)	UBXN4 (2.1)
GNAI3 (1.7)	FNDC4 (1.7)	TRAM2 (1.7)	CYB561D1 (1.5)	ST3GAL4 (1.5)
LPAL2 (2.6)	AMIGO1 (2.4)	SLC22A3 (1.9)	CYB561D1 (1.9)	YSK4 (1.8)
SLC22A2 (1.8)	ENSG00000256731 (1	FUT1 (1.5)	ENSG00000226648 (1	SPATC1 (1.4)
CEP250 (1.8)	SUGP1 (1.7)	DOCK7 (1.6)	GSTM4 (1.4)	LPIN3 (1.4)
LPIN3 (2.0)	POLK (2.0)	ZHX3 (1.8)	CYB561D1 (1.7)	ATXN1L (1.7)
PSRC1 (2.0)	MAMSTR (1.7)	GRINA (1.7)	USP1 (1.5)	FEN1 (1.5)
CILP2 (1.8)	NYNRIN (1.4)	PMFBP1 (1.4)	ENSG00000244861 (1	MYLIP (1.3)
ABO (2.0)	OTX1 (1.6)	ATXN7L2 (1.6)	CILP2 (1.6)	CELSR2 (1.4)
IST1 (2.8)	IGF2R (2.3)	SORT1 (2.3)	APOE (2.2)	COL4A3BP (2.0)
FADS2 (1.9)	SYPL2 (1.9)	AMPD2 (1.9)	BMPR2 (1.8)	GPR61 (1.8)
RAB3GAP1 (1.4)	TOMM40 (1.3)	IFT172 (1.3)	LPL (1.2)	ENSG00000182329 (1
SUMO1 (1.5)	R3HDM1 (1.3)	PLEC (1.3)	EHBP1 (1.3)	CETP (1.2)
MAMSTR (1.5)	LPL (1.4)	ENSG00000182329 (1	HAPLN4 (1.0)	SORT1 (1.0)
TSSK6 (2.5)	C19orf52 (2.5)	ENSG00000226648 (2	SPATC1 (2.2)	SUMO1 (2.1)
CELSR2 (1.9)	GSTM5 (1.9)	ENSG00000256731 (1	ENSG00000226622 (1	CETP (1.6)
CELSR2 (1.9)	GSTM5 (1.9)	ENSG00000256731 (1	ENSG00000226622 (1	CETP (1.6)
IST1 (2.2)	TOP1 (2.2)	NOP58 (2.2)	UBXN4 (2.2)	BUD13 (1.9)
ZNF821 (1.9)	SUMO1 (1.8)	BUD13 (1.7)	ENSG00000231204 (1	PPM1G (1.7)
IST1 (2.3)	UBXN4 (2.1)	TOP1 (1.9)	MAU2 (1.7)	NPEPPS (1.7)
TXNL4B (2.2)	RAB3GAP1 (2.1)	MAP3K4 (2.0)	POC5 (1.9)	DHX38 (1.7)
ENSG00000236267 (1	ENSG00000231204 (1	GOT2P1 (1.5)	KRTCAP3 (1.4)	HAVCR1 (1.4)
DOCK7 (1.8)	FGF21 (1.8)	GSTM4 (1.7)	ENSG00000236436 (1	FER1L4 (1.5)
DOCK7 (1.8)	FGF21 (1.8)	GSTM4 (1.7)	ENSG00000236436 (1	FER1L4 (1.5)
MAU2 (1.7)	DOCK6 (1.7)	NCAN (1.7)	PCSK9 (1.5)	LPAL2 (1.5)
SLC44A2 (1.8)	ENSG00000226645 (1	BMPR2 (1.7)	PVRL2 (1.7)	TBKBP1 (1.6)
ENSG00000226645 (2	SLC22A2 (1.9)	KANK2 (1.9)	TBKBP1 (1.9)	ENSG00000244861 (1
GRINA (2.0)	FER1L4 (2.0)	AMPD2 (1.6)	TBKBP1 (1.6)	C11orf9 (1.4)
PSRC1 (1.6)	LPAR2 (1.6)	HAVCR1 (1.4)	YIPF2 (1.3)	MCM6 (1.3)
PMFBP1 (2.3)	TSSK6 (2.3)	ZRANB3 (2.2)	USP1 (2.1)	C19orf52 (2.0)
SORT1 (1.9)	ENSG00000236436 (1	YSK4 (1.9)	ABCA6 (1.8)	ENSG00000256731 (1
SORT1 (1.9)	ENSG00000236436 (1	YSK4 (1.9)	ABCA6 (1.8)	ENSG00000256731 (1
ENSG00000226648 (2	BUD13 (2.0)	COL4A3BP (1.9)	SLC22A3 (1.8)	TOP1 (1.7)

SLC22A2 (2.2)	YSK4 (1.7)	TXNL4B (1.6)	ENSG00000228044 (1	GOT2P1 (1.5)
ZHX3 (1.8)	ENSG00000231204 (1	MAP3K4 (1.6)	IZUMO1 (1.6)	MAFB (1.5)
SLC22A2 (1.5)	LPL (1.3)	APOA4 (1.3)	LCT (1.2)	HAPLN4 (1.1)
YIPF2 (2.5)	FGF21 (2.1)	RAB3GAP1 (2.1)	ZRANB3 (1.9)	BUD13 (1.5)
SNX17 (1.8)	SLC22A2 (1.8)	ENSG00000244861 (1	ENSG00000236436 (1	PMFBP1 (1.5)
LPAR2 (2.1)	AMPD2 (1.8)	C17orf57 (1.8)	AMIGO1 (1.6)	ENSG00000226645 (1
TRIM54 (2.2)	TSSK6 (2.2)	LPIN3 (1.9)	FGF21 (1.8)	ENSG00000226648 (1
NUP93 (2.5)	KPNB1 (2.3)	USP1 (2.2)	PPM1G (2.2)	POC5 (2.2)
TSSK6 (1.9)	GNAI3 (1.7)	PMFBP1 (1.5)	ENSG00000236267 (1	NRBP1 (1.4)
NCAN (2.4)	FNDC4 (2.1)	CILP2 (1.9)	CELSR2 (1.9)	LIPG (1.9)
ERGIC3 (2.1)	C12orf43 (2.1)	ZNF821 (2.0)	USP1 (1.9)	ZNF513 (1.7)
R3HDM1 (2.2)	DHX38 (2.0)	OBP2B (1.8)	SUGP1 (1.6)	ATP13A1 (1.4)
C12orf43 (1.9)	R3HDM1 (1.8)	AMIGO1 (1.6)	ABCG8 (1.4)	ENSG00000236267 (1
DNAH11 (1.8)	DOCK7 (1.7)	NCAN (1.6)	POLK (1.6)	CELSR2 (1.5)
SUMO1 (2.4)	POC5 (2.3)	ZNF259 (2.2)	TOP1 (2.0)	NRBP1 (2.0)
MAMSTR (1.8)	ENSG00000236436 (1	ANGPTL3 (1.7)	APOC4 (1.6)	CILP2 (1.6)
NCAN (1.9)	CELSR2 (1.8)	HAPLN4 (1.8)	C11orf9 (1.8)	MAP3K4 (1.7)
TBKBP1 (2.2)	ABO (2.0)	R3HDM1 (1.7)	FNDC4 (1.7)	GPR61 (1.5)
SLC22A2 (1.7)	PMFBP1 (1.7)	ENSG00000236436 (1	SNX17 (1.6)	ENSG00000244861 (1
MAP3K4 (2.4)	TXNL4B (2.4)	DHX38 (2.4)	ATXN7L2 (1.9)	TOP1 (1.9)
ZNF821 (1.6)	FNDC4 (1.6)	IGF2R (1.5)	ENSG00000228044 (1	DOCK6 (1.3)
ZRANB3 (1.9)	MCM6 (1.7)	NUP93 (1.7)	SUGP1 (1.7)	DOCK7 (1.6)
R3HDM1 (1.7)	ATXN7L2 (1.7)	SUGP1 (1.6)	BUD13 (1.6)	ATP13A1 (1.4)
SORT1 (2.3)	LPL (1.9)	GOT2P1 (1.7)	CELSR2 (1.7)	GPR61 (1.7)
POLK (2.0)	C12orf43 (2.0)	AMIGO1 (1.6)	USP1 (1.6)	FEN1 (1.5)
IST1 (2.2)	C19orf52 (2.2)	SMARCA4 (1.6)	SUMO1 (1.5)	MAP3K4 (1.5)
C11orf9 (1.7)	IST1 (1.7)	CLPTM1 (1.6)	GNAI3 (1.5)	ZNF513 (1.5)
SLC22A2 (2.3)	FUT2 (2.2)	ST3GAL4 (2.1)	HNF1A (1.7)	SPATC1 (1.7)
ENSG00000226622 (1	ENSG00000244861 (1	FUT2 (1.5)	PMFBP1 (1.5)	SUMO1 (1.3)
HAVCR1 (1.4)	TRIB1 (1.4)	YIPF2 (1.4)	IGF2R (1.4)	C17orf57 (1.3)
SUMO1 (1.2)	PSMA5 (1.1)	ATXN7L2 (1.1)	NOP58 (1.0)	GPAM (0.9)
USP1 (2.3)	FEN1 (2.3)	CEP250 (2.1)	ENSG00000236436 (2	FER1L4 (2.1)
OTX1 (2.1)	ABCG5 (1.9)	YSK4 (1.8)	ENSG00000235545 (1	SLC22A2 (1.8)
LPL (1.7)	SNX17 (1.7)	FGF21 (1.6)	OTX1 (1.6)	NCAN (1.6)
ZNF821 (1.9)	SPATC1 (1.7)	GOT2P1 (1.6)	C19orf52 (1.6)	HAPLN4 (1.5)
RAB3GAP1 (1.5)	IFT172 (1.2)	TBKBP1 (1.0)	ENSG00000244861 (1	ENSG00000182329 (0
SLC22A3 (2.5)	ENSG00000256731 (2	CELSR2 (2.2)	SORT1 (1.9)	SARS (1.8)
BUD13 (2.1)	NOP58 (1.9)	TOMM40 (1.7)	C19orf52 (1.5)	ENSG00000226645 (1
PBX4 (2.2)	GSTM5 (2.1)	ENSG00000228044 (2	ENSG00000226645 (1	DOCK7 (1.5)
KRTCAP3 (2.0)	FGF21 (1.7)	PVRL2 (1.3)	CBLC (1.3)	DOCK6 (1.3)
NRBP1 (2.5)	SNX17 (2.5)	YIPF2 (2.3)	UBXN4 (1.9)	ENSG00000228044 (1
IZUMO1 (1.7)	OTX1 (1.6)	GNAI3 (1.6)	RASIP1 (1.5)	ZNF821 (1.5)
R3HDM1 (2.1)	POLK (2.0)	DNAH11 (1.7)	CBLC (1.7)	MAP3K4 (1.7)
ABCA5 (1.9)	GPR61 (1.7)	TSSK6 (1.7)	SUMO1 (1.6)	YIPF2 (1.5)
PARP10 (2.5)	LPIN3 (2.3)	POC5 (2.3)	ENSG00000226645 (2	KPNB1 (1.9)
OTX1 (2.3)	CILP2 (2.2)	HAPLN4 (2.1)	FNDC4 (1.9)	IFT172 (1.9)
CEP250 (2.0)	ENSG00000226806 (1	USP1 (1.7)	MAP3K4 (1.6)	FUT1 (1.6)
C11orf9 (2.6)	GPR61 (2.3)	SORT1 (2.3)	NCAN (1.9)	BMPR2 (1.9)
R3HDM1 (2.3)	C11orf9 (1.9)	SORT1 (1.9)	HAPLN4 (1.5)	FADS1 (1.5)
ABO (1.9)	SPATC1 (1.6)	TBKBP1 (1.5)	KRTCAP3 (1.4)	R3HDM1 (1.3)

C19orf52 (2.4)	RAB3GAP1 (2.3)	MAU2 (2.2)	R3HDM1 (2.1)	SUGP1 (1.9)
RAB3GAP1 (2.3)	YIPF2 (2.0)	SARS (1.8)	ENSG00000236436 (1	FER1L4 (1.8)
YSK4 (2.4)	SLC22A2 (2.1)	HNF1A (1.4)	ENSG00000226622 (1	ENSG00000182329 (1
LPAL2 (2.5)	AMIGO1 (2.2)	SLC22A3 (1.9)	CYB561D1 (1.8)	TRIM54 (1.7)
ZNF513 (1.8)	RAB3GAP1 (1.5)	BMPR2 (1.5)	PGS1 (1.5)	FER1L4 (1.5)
FNDC4 (2.2)	R3HDM1 (1.7)	RAB3GAP1 (1.7)	LCT (1.5)	C12orf43 (1.5)
C11orf9 (1.8)	GNAI3 (1.8)	NPEPPS (1.7)	COL4A3BP (1.7)	LPL (1.7)
GPR61 (2.2)	TBKBP1 (1.7)	ENSG00000235545 (1	FUT2 (1.6)	HNF1A (1.6)
ZNF259 (2.0)	ATXN7L2 (1.9)	IZUMO1 (1.7)	ENSG00000244861 (1	COL4A3BP (1.4)
USP1 (2.5)	DNAH11 (2.3)	CEP250 (2.1)	FEN1 (1.9)	ENSG00000226648 (1
ENSG00000226648 (1	SNX17 (1.8)	C19orf52 (1.7)	SLC22A2 (1.3)	PMFBP1 (1.3)
HAPLN4 (2.8)	TRIM54 (2.5)	GPR61 (2.2)	BMPR2 (2.2)	ENSG00000182329 (2
IFT172 (1.3)	ENSG00000244861 (1	LPL (1.1)	RAB3GAP1 (1.1)	HAVCR1 (1.1)
ENSG00000228044 (2	MAP3K4 (1.9)	POC5 (1.9)	USP1 (1.7)	MCM6 (1.6)
NCAN (1.8)	FNDC4 (1.7)	LPAL2 (1.7)	GPR61 (1.6)	C12orf43 (1.5)
RELB (1.5)	MYLIP (1.2)	COL4A3BP (1.2)	ABCA1 (1.1)	KRTCAP3 (1.1)
YSK4 (1.8)	TOMM40 (1.6)	IFT172 (1.5)	TBKBP1 (1.5)	CLPTM1 (1.4)
R3HDM1 (1.9)	ENSG00000182329 (1	OTX1 (1.7)	C12orf43 (1.5)	HAVCR1 (1.5)
SUMO1 (1.7)	POLK (1.6)	ENSG00000236436 (1	GATAD2A (1.5)	C12orf43 (1.4)
ZNF821 (2.5)	IFT172 (2.5)	NRBP1 (2.1)	SUMO1 (2.1)	ERGIC3 (2.0)
OTX1 (2.2)	GPR61 (2.1)	FUT1 (2.0)	CELSR2 (1.9)	FER1L4 (1.8)
NCAN (2.0)	HAPLN4 (1.8)	ENSG00000226806 (1	SLC22A2 (1.6)	FNDC4 (1.6)
NCAN (2.2)	ENSG00000256731 (2	ENSG00000182329 (1	SLC22A3 (1.9)	GPR61 (1.9)
ENSG00000182329 (1	SLC22A2 (1.1)	MAMSTR (1.1)	SNX17 (1.0)	POC5 (1.0)
SUGP1 (1.5)	ZNF821 (1.5)	ENSG00000226806 (1	GNAI3 (1.4)	SNX17 (1.3)
IZUMO1 (2.1)	HAPLN4 (2.0)	PBX4 (1.9)	LPA (1.8)	KRTCAP3 (1.8)
SUMO1 (2.1)	NRBP1 (2.0)	MAU2 (1.9)	POC5 (1.9)	BUD13 (1.7)
AMPD2 (2.3)	LPIN3 (2.2)	PLEC (2.1)	SLC44A2 (2.0)	ZNF513 (1.9)
ENSG00000226622 (1	DARS (1.6)	LPAR2 (1.6)	ZNF821 (1.5)	C17orf57 (1.4)
ENSG00000236267 (2	EHBP1 (1.9)	ABCA5 (1.9)	GPR61 (1.7)	GOT2P1 (1.7)
C17orf57 (2.1)	PSRC1 (1.9)	DNAH11 (1.8)	ZRANB3 (1.7)	LPAR2 (1.7)
GATAD2A (1.7)	ZHX3 (1.6)	USP24 (1.6)	R3HDM1 (1.5)	IFT172 (1.5)
PBX4 (2.1)	POLK (2.0)	HNF1A (1.8)	USP1 (1.7)	POC5 (1.4)
PGS1 (1.5)	CLPTM1 (1.4)	ABCA5 (1.4)	C19orf52 (1.4)	IST1 (1.3)
MAU2 (1.3)	LPL (1.3)	TBKBP1 (1.1)	TRIM54 (1.1)	GPAM (1.0)
SORT1 (1.8)	BCAM (1.5)	ENSG00000226645 (1	ENSG00000236436 (1	KANK2 (1.2)
GPR61 (2.0)	ENSG00000235545 (1	AMIGO1 (1.9)	CLPTM1 (1.8)	SYPL2 (1.8)
ENSG00000236267 (1	PBX4 (1.8)	C19orf52 (1.8)	CYB561D1 (1.4)	POLK (1.4)
RAB3GAP1 (2.1)	SORT1 (2.0)	CLPTM1 (1.9)	ENSG00000226806 (1	COL4A3BP (1.8)
GATAD2A (1.7)	C19orf52 (1.6)	ATXN7L2 (1.6)	PPM1G (1.4)	LCT (1.2)
IZUMO1 (2.3)	CEP250 (2.1)	ENSG00000228044 (2	USP1 (1.9)	FGF21 (1.8)
GPR61 (2.3)	YIPF2 (1.9)	TSSK6 (1.7)	LPAR2 (1.7)	ABCA5 (1.6)
GNAI3 (2.0)	BMPR2 (1.9)	SLC44A2 (1.8)	PLEC (1.8)	SORT1 (1.8)
RAB3GAP1 (1.1)	LPL (1.0)	TBKBP1 (1.0)	HAVCR1 (1.0)	GDF5 (0.9)
DOCK7 (1.7)	FER1L4 (1.7)	POLK (1.2)	TXNL4B (1.2)	PBX4 (1.1)
OTX1 (2.0)	FADS1 (1.7)	FUT2 (1.6)	R3HDM1 (1.6)	FNDC4 (1.5)
BUD13 (2.2)	PPM1G (1.6)	SUGP1 (1.6)	AMPD2 (1.5)	ZNF513 (1.5)
IGF2R (2.1)	APOE (2.1)	IST1 (2.0)	RAB3GAP1 (1.9)	COL4A3BP (1.8)
RAB3GAP1 (1.8)	ZNF259 (1.8)	TXNL4B (1.7)	DHX38 (1.5)	ENSG00000235545 (1
FER1L4 (2.1)	ENSG00000231204 (2	ENSG00000226648 (1	TSSK6 (1.6)	ENSG00000226622 (1

NFE2L3 (2.1)	IZUMO1 (1.9)	ATXN7L2 (1.8)	DNAH11 (1.5)	GNAT2 (1.4)
ENSG00000235545 (1	PGS1 (1.7)	HAPLN4 (1.6)	ENSG00000231204 (1	ENSG00000254235 (1
R3HDM1 (1.9)	EHBP1 (1.8)	SPATC1 (1.7)	HAPLN4 (1.7)	CEP250 (1.4)
GSTM5 (2.0)	ENSG00000182329 (1	BMPR2 (1.8)	PBX4 (1.7)	CYB561D1 (1.6)
GPR61 (2.4)	YIPF2 (2.3)	TSSK6 (1.9)	ABCA5 (1.5)	ENSG00000244861 (1
C17orf57 (2.1)	ZNF513 (2.0)	TOP1 (1.9)	ENSG00000226648 (1	PBX4 (1.8)
C12orf43 (1.7)	NCAN (1.7)	GPAM (1.6)	FNDC4 (1.3)	SLC44A2 (1.3)
TSSK6 (1.8)	GSTM5 (1.7)	GPR61 (1.6)	NCAN (1.5)	R3HDM1 (1.4)
DNAH11 (1.7)	ENSG00000226622 (1	ENSG00000236267 (1	C12orf43 (1.3)	DHODH (1.2)
NRBP1 (2.2)	IFT172 (2.1)	CELSR2 (1.9)	ABCA5 (1.8)	UBXN4 (1.8)
ENSG00000226622 (1	EHBP1 (1.7)	MAU2 (1.7)	MYLIP (1.6)	TOP1 (1.5)
RAB3GAP1 (1.4)	NPEPPS (1.4)	GNAI3 (1.3)	C17orf57 (1.3)	TRAM2 (1.2)
ZNF513 (2.0)	ABCA5 (1.8)	NRBP1 (1.8)	SARS (1.7)	ZRANB3 (1.7)
ZRANB3 (1.7)	TXNL4B (1.6)	DNAH11 (1.6)	OBP2B (1.6)	ENSG00000226648 (1
SYPL2 (2.2)	HAVCR1 (2.1)	ATXN1L (2.1)	RAB3GAP1 (1.8)	CEP250 (1.6)
CELSR2 (2.0)	ENSG00000256731 (1	GSTM5 (1.9)	ENSG00000226645 (1	ENSG00000226622 (1
C11orf9 (2.1)	C12orf43 (2.0)	TBKBP1 (1.9)	EHBP1 (1.7)	COL4A3BP (1.7)
FADS1 (2.1)	SORT1 (2.0)	FNDC4 (1.8)	CELSR2 (1.7)	FADS2 (1.4)
FEN1 (2.5)	POC5 (2.2)	MAP3K4 (2.0)	CEP250 (1.9)	DARS (1.8)
ENSG00000226648 (1	UBXN4 (1.6)	C19orf52 (1.5)	ZNF513 (1.5)	TXNL4B (1.4)
HAPLN4 (2.0)	GOT2P1 (1.8)	YSK4 (1.8)	SYPL2 (1.8)	LCT (1.7)
TSSK6 (2.2)	ENSG00000231204 (2	ENSG00000226622 (2	ABO (1.6)	CILP2 (1.6)
CELSR2 (1.8)	C12orf43 (1.7)	FNDC4 (1.7)	FADS1 (1.5)	C11orf9 (1.4)
PSRC1 (2.6)	ZRANB3 (1.9)	RAB3GAP1 (1.8)	FGF21 (1.6)	GNAT2 (1.6)
ENSG00000244861 (1	HAVCR1 (1.2)	RAB3GAP1 (1.2)	LPL (1.1)	TOMM40 (1.1)
AMIGO1 (2.2)	ABO (2.0)	ENSG00000231204 (1	ZHX3 (1.9)	TSSK6 (1.9)
C11orf9 (2.1)	GPR61 (2.1)	C12orf43 (1.7)	GOT2P1 (1.6)	SORT1 (1.6)
OTX1 (2.0)	POLK (1.8)	HNF1A (1.8)	C11orf9 (1.8)	FUT2 (1.7)
ENSG00000226648 (2	ABCA5 (1.8)	CYB561D1 (1.6)	LPAL2 (1.4)	ENSG00000182329 (1
ENSG00000236436 (2	C17orf57 (2.0)	AMIGO1 (1.9)	NRBP1 (1.7)	CYB561D1 (1.6)
GNAI3 (2.0)	COL4A3BP (1.8)	CLPTM1 (1.8)	PLEC (1.6)	BMPR2 (1.6)
SYPL2 (2.0)	C19orf52 (1.8)	R3HDM1 (1.6)	NRBP1 (1.5)	LPIN3 (1.5)
KRTCAP3 (2.0)	ABO (1.7)	C11orf9 (1.6)	USP24 (1.6)	SPATC1 (1.5)
KRTCAP3 (2.0)	ABO (1.7)	C11orf9 (1.6)	USP24 (1.6)	SPATC1 (1.5)
ENSG00000244861 (2	TBKBP1 (2.1)	ZRANB3 (1.9)	YSK4 (1.8)	HAVCR1 (1.6)
IFT172 (2.3)	DOCK7 (2.2)	AMIGO1 (2.0)	EHBP1 (2.0)	DHODH (1.9)
GOT2P1 (2.3)	AMPD2 (2.3)	PMFBP1 (1.7)	HAPLN4 (1.7)	IST1 (1.6)
PBX4 (1.6)	ST3GAL4 (1.5)	FEN1 (1.5)	KRTCAP3 (1.4)	POC5 (1.3)
SARS (2.6)	LCT (2.6)	PMFBP1 (2.3)	HNF1A (2.1)	HAPLN4 (1.8)
FADS1 (2.1)	SORT1 (2.0)	FNDC4 (1.9)	COL4A3BP (1.6)	CELSR2 (1.6)
AMIGO1 (2.2)	TSSK6 (1.8)	KRTCAP3 (1.7)	NCAN (1.6)	YSK4 (1.6)
YIPF2 (1.9)	TSSK6 (1.9)	ABCA5 (1.7)	ENSG00000236267 (1	YSK4 (1.3)
BUD13 (2.1)	TOP1 (1.9)	PPM1G (1.8)	ENSG00000231204 (1	SMARCA4 (1.6)
IGF2R (2.4)	GRINA (2.3)	COL4A3BP (2.2)	RAB3GAP1 (2.1)	SARS (2.1)
NCAN (2.5)	AMIGO1 (2.3)	CELSR2 (2.1)	R3HDM1 (2.0)	GPR61 (2.0)
CYB561D1 (2.5)	GMIP (2.2)	HAVCR1 (2.1)	LPAR2 (1.9)	POLK (1.6)
MAMSTR (2.2)	ENSG00000226648 (2	FER1L4 (1.8)	PBX4 (1.8)	ATXN7L2 (1.7)
LPAR2 (2.0)	DNAH11 (2.0)	PBX4 (1.7)	NCAN (1.6)	IFT172 (1.5)
GSTM5 (1.4)	GPR61 (1.4)	ABCA1 (1.3)	FNDC4 (1.3)	GSTM4 (1.2)
ENSG00000182329 (1	NCAN (1.6)	AMPD2 (1.5)	USP24 (1.4)	PLCG1 (1.4)

GOT2P1 (1.8)	CLPTM1 (1.7)	NPEPPS (1.7)	GSTM4 (1.7)	C19orf52 (1.5)
NCAN (2.0)	TSSK6 (1.9)	LPL (1.5)	CYB561D1 (1.4)	FNDC4 (1.4)
AMPD2 (1.9)	IST1 (1.8)	SARS (1.7)	GPR61 (1.7)	GOT2P1 (1.6)
ZNF821 (2.5)	SUMO1 (2.2)	ZNF513 (1.8)	ENSG00000244861 (1	RAB3GAP1 (1.6)
IFT172 (1.8)	MAU2 (1.7)	YIPF2 (1.5)	BMPR2 (1.5)	ERGIC3 (1.5)
RAB3GAP1 (1.3)	IFT172 (1.2)	TOMM40 (1.1)	LPL (1.0)	GPAM (1.0)
SORT1 (2.2)	FNDC4 (2.1)	FADS1 (2.1)	CELSR2 (1.9)	AMIGO1 (1.4)
LCT (1.5)	ABCA5 (1.5)	FUT2 (1.5)	SPATC1 (1.4)	C17orf57 (1.4)
ENSG00000226645 (1	LPL (1.6)	PVRL2 (1.6)	HAVCR1 (1.6)	UBXN4 (1.6)
EHBP1 (2.5)	FNDC4 (2.2)	TBKBP1 (2.2)	USP24 (2.2)	SLC22A3 (2.0)
ENSG00000182329 (1	RAB3GAP1 (1.5)	ENSG00000244861 (1	TOMM40 (1.3)	GSTM4 (1.2)
ZRANB3 (2.8)	SUGP1 (2.7)	ENSG00000235545 (2	DARS (2.6)	NUP93 (2.2)
C12orf43 (1.8)	GNAI3 (1.7)	NRBP1 (1.7)	C11orf9 (1.7)	NFE2L3 (1.6)
ENSG00000226645 (2	MAU2 (2.1)	R3HDM1 (2.0)	NRBP1 (1.9)	POC5 (1.9)
BMPR2 (2.2)	C11orf9 (1.9)	CELSR2 (1.7)	NPEPPS (1.5)	TSSK6 (1.4)
R3HDM1 (2.0)	SPATC1 (1.9)	RP1 (1.8)	NCAN (1.7)	GPR61 (1.7)
BUD13 (2.2)	C17orf57 (2.0)	ATXN7L2 (1.7)	USP24 (1.6)	MAP3K4 (1.4)
TBKBP1 (2.0)	NCAN (1.9)	LPIN3 (1.8)	ENSG00000231204 (1	ENSG00000236436 (1
ENSG00000231204 (2	BMPR2 (2.0)	LPAL2 (1.9)	C17orf57 (1.9)	ENSG00000182329 (1
OTX1 (1.9)	ZNF821 (1.8)	PBX4 (1.7)	HAPLN4 (1.5)	TBKBP1 (1.5)
LPIN3 (2.0)	POLK (1.9)	ATP13A1 (1.9)	CYB561D1 (1.6)	FUT2 (1.6)
GCKR (1.8)	CLPTM1 (1.7)	COL4A3BP (1.7)	PLEC (1.6)	GNAI3 (1.4)
GNAT2 (2.3)	R3HDM1 (2.0)	SORT1 (1.6)	TBKBP1 (1.5)	BMPR2 (1.4)
BMPR2 (2.4)	C17orf57 (2.2)	ENSG00000231204 (2	LPAL2 (2.0)	CELSR2 (1.8)
NPEPPS (1.9)	SORT1 (1.8)	CBLC (1.4)	RAB3GAP1 (1.3)	MYLIP (1.1)
LCT (2.1)	R3HDM1 (2.0)	RAB3GAP1 (1.8)	ABO (1.8)	C12orf43 (1.5)
ZRANB3 (2.6)	MCM6 (2.5)	USP1 (2.3)	IFT172 (1.8)	MAMSTR (1.8)
CELSR2 (2.1)	NCAN (2.0)	PLEC (1.7)	LPIN3 (1.6)	DOCK7 (1.5)
IFT172 (1.3)	LPL (1.3)	TBKBP1 (1.2)	TRIM54 (1.1)	GPAM (0.9)
NRBP1 (2.6)	MAP3K4 (2.4)	RAB3GAP1 (2.4)	SARS (2.1)	SUGP1 (1.8)
C17orf57 (1.4)	IZUMO1 (1.3)	ENSG00000236267 (1	DHODH (1.2)	APOC1 (1.2)
HAPLN4 (2.3)	ABCG5 (2.1)	ATXN7L2 (2.0)	SLC22A3 (2.0)	CELSR2 (2.0)
TM6SF2 (1.3)	ENSG00000231204 (1	GNAT2 (1.2)	LPAL2 (1.2)	ATP13A1 (1.0)
GNAI3 (1.4)	AMPD2 (1.4)	PGS1 (1.3)	GSTM5 (1.3)	C17orf57 (1.3)
POC5 (1.9)	COL4A3BP (1.4)	UBXN4 (1.4)	LIPG (1.3)	FUT2 (1.3)
TOMM40 (1.7)	GOT2P1 (1.7)	CLPTM1 (1.6)	C19orf52 (1.6)	PGS1 (1.5)
ENSG00000182329 (1	LPL (1.4)	HAVCR1 (1.2)	RAB3GAP1 (1.2)	MAU2 (1.1)
YSK4 (2.0)	GSTM4 (2.0)	RASIP1 (1.9)	SYPL2 (1.7)	PMFBP1 (1.5)
SUMO1 (1.8)	LPAL2 (1.6)	ATXN7L2 (1.4)	KRTCAP3 (1.3)	ENSG00000244861 (1
ENSG00000228044 (2	PMFBP1 (2.2)	YSK4 (1.9)	CYP26A1 (1.7)	ENSG00000244861 (1
TRIM54 (1.8)	ENSG00000226645 (1	R3HDM1 (1.7)	APOB (1.6)	PLG (1.5)
ENSG00000228044 (2	GSTM4 (1.8)	PBX4 (1.5)	POC5 (1.4)	POLK (1.4)
ENSG00000228044 (2	GSTM4 (1.8)	PBX4 (1.5)	POC5 (1.4)	POLK (1.4)
TXNL4B (2.4)	SARS (2.2)	GPR61 (2.0)	HMGCR (1.9)	COL4A3BP (1.6)
CEP250 (2.2)	SUGP1 (1.8)	DOCK7 (1.5)	LPIN3 (1.3)	ENSG00000256731 (1
ZHX3 (2.1)	CELSR2 (1.9)	HAPLN4 (1.9)	ENSG00000231204 (1	R3HDM1 (1.7)
MAP3K4 (1.6)	ERGIC3 (1.6)	TOP1 (1.5)	ZNF513 (1.4)	ATXN7L2 (1.4)
FER1L4 (2.3)	SORT1 (2.0)	FADS1 (1.9)	FNDC4 (1.7)	C12orf43 (1.4)
CLPTM1 (2.7)	HAPLN4 (2.0)	SNX17 (1.9)	IST1 (1.9)	SARS (1.9)
NPEPPS (2.0)	GOT2P1 (2.0)	CLPTM1 (1.9)	GSTM4 (1.8)	C19orf52 (1.5)

PPM1G (1.5)	BCAM (1.4)	PSMA5 (1.4)	C19orf52 (1.3)	LPL (1.2)
MAMSTR (1.6)	C17orf57 (1.5)	LPIN3 (1.5)	POC5 (1.4)	TSSK6 (1.3)
IST1 (2.0)	POC5 (1.9)	ATXN1L (1.7)	DHX38 (1.7)	RAB3GAP1 (1.6)
COL4A3BP (2.4)	USP1 (1.8)	TOP1 (1.6)	ATXN7L2 (1.5)	ENSG00000235545 (1
NCAN (1.9)	LPIN3 (1.9)	C17orf57 (1.7)	ZNF821 (1.7)	DNAH11 (1.7)
MAP3K4 (1.8)	MAU2 (1.6)	LPAL2 (1.5)	TOMM40 (1.4)	ST3GAL4 (1.4)
RAB3GAP1 (1.4)	TOMM40 (1.1)	IFT172 (1.1)	LPL (1.1)	TBKBP1 (1.0)
EHBP1 (2.8)	FADS1 (2.5)	PCSK9 (2.5)	ENSG00000231204 (2	ENSG00000182329 (2
RAB3GAP1 (1.4)	TOMM40 (1.2)	TBKBP1 (1.1)	LPL (1.0)	ENSG00000182329 (1
RAB3GAP1 (1.4)	TOMM40 (1.2)	TBKBP1 (1.1)	LPL (1.0)	ENSG00000182329 (1
RAB3GAP1 (1.4)	TOMM40 (1.2)	TBKBP1 (1.1)	LPL (1.0)	ENSG00000182329 (1
RAB3GAP1 (1.2)	IFT172 (1.2)	TBKBP1 (1.1)	TOMM40 (1.1)	HAVCR1 (1.0)
TBKBP1 (2.2)	RAB3GAP1 (2.1)	AMPD2 (2.1)	SORT1 (2.1)	GPR61 (2.0)
TIMD4 (2.0)	CETP (1.3)	FER1L4 (1.3)	ABCA5 (1.2)	OBP2B (1.2)
ENSG00000228044 (1	ENSG00000256731 (1	PMFBP1 (1.6)	LPAR2 (1.4)	C19orf52 (1.3)
BUD13 (2.6)	SUGP1 (2.4)	USP1 (1.9)	MAP3K4 (1.8)	FEN1 (1.8)
NPEPPS (2.0)	SORT1 (1.9)	RAB3GAP1 (1.9)	CYB561D1 (1.6)	OTX1 (1.6)
SORT1 (2.5)	ENSG00000235545 (2	ENSG00000231204 (2	SPATC1 (2.0)	HAVCR1 (1.9)
C19orf52 (1.4)	GSTM4 (1.3)	TOMM40 (1.3)	PSMA5 (1.3)	ATXN7L2 (1.1)
MAU2 (2.1)	C19orf52 (2.0)	NPEPPS (1.9)	NRBP1 (1.9)	IST1 (1.8)
COL4A3BP (2.1)	PBX4 (2.1)	ENSG00000236267 (2	LPIN3 (2.0)	ENSG00000235545 (1
SARS (2.6)	RAB3GAP1 (2.4)	COL4A3BP (2.3)	SORT1 (2.1)	APOE (1.9)
IFT172 (2.6)	BUD13 (2.5)	RAB3GAP1 (2.4)	POC5 (2.3)	CYB561D1 (1.8)
IFT172 (2.6)	BUD13 (2.5)	RAB3GAP1 (2.4)	POC5 (2.3)	CYB561D1 (1.8)
RAB3GAP1 (1.3)	LPL (1.1)	TOMM40 (1.1)	IFT172 (1.0)	ENSG00000182329 (1
HNF1A (1.8)	ENSG00000226806 (1	GDF5 (1.6)	SLC22A2 (1.5)	TRIB1 (1.4)
PLCG1 (2.5)	CYB561D1 (2.0)	HAVCR1 (2.0)	TIMD4 (1.7)	MAFB (1.6)
YIPF2 (2.1)	POLK (2.1)	RAB3GAP1 (1.9)	ENSG00000236436 (1	POC5 (1.7)
R3HDM1 (1.5)	FER1L4 (1.5)	EHBP1 (1.5)	GMIP (1.4)	ANGPTL3 (1.3)
ENSG00000256731 (2	USP1 (2.0)	ZRANB3 (2.0)	LPIN3 (1.8)	NRBP1 (1.7)
PMFBP1 (1.8)	LPAL2 (1.7)	GNAT2 (1.4)	ENSG00000254235 (1	C12orf43 (1.4)
PMFBP1 (1.9)	ERGIC3 (1.7)	CYB561D1 (1.6)	SUMO1 (1.4)	UBXN4 (1.3)
BUD13 (2.5)	IZUMO1 (2.4)	POLK (2.2)	IFT172 (2.1)	OTX1 (2.0)
PVR (1.7)	C17orf57 (1.5)	NCAN (1.5)	BMPR2 (1.4)	ENSG00000226622 (1
NCAN (2.0)	RAB3GAP1 (2.0)	PSMA5 (2.0)	GNAI3 (1.9)	UBXN4 (1.9)
MAP3K4 (2.0)	FUT1 (1.8)	GSTM5 (1.7)	HAPLN4 (1.6)	ATP13A1 (1.5)
PLCG1 (2.7)	CYB561D1 (2.3)	HAVCR1 (2.0)	LPAR2 (1.6)	TIMD4 (1.4)
ZNF821 (2.4)	ENSG00000226645 (2	SUMO1 (2.3)	MAU2 (2.0)	ATXN1L (1.7)
PBX4 (2.5)	CYB561D1 (2.1)	HAVCR1 (2.0)	TIMD4 (1.7)	MAFB (1.7)
ZRANB3 (2.2)	USP1 (2.1)	FADS1 (2.1)	ABCA5 (2.0)	USP24 (1.8)
R3HDM1 (2.6)	BMPR2 (2.6)	NPEPPS (1.9)	CLPTM1 (1.8)	ENSG00000182329 (1
RAB3GAP1 (1.3)	TBKBP1 (1.2)	HAVCR1 (1.1)	IFT172 (1.1)	ENSG00000182329 (1
RAB3GAP1 (1.3)	TBKBP1 (1.2)	HAVCR1 (1.1)	IFT172 (1.1)	ENSG00000182329 (1
ENSG00000226622 (1	EHBP1 (1.4)	OBP2B (1.3)	GSTM5 (1.3)	ENSG00000236436 (1
SLC22A3 (2.5)	HNF1A (2.4)	CYB561D1 (2.2)	ATXN7L2 (1.8)	SYPL2 (1.8)
RAB3GAP1 (1.3)	LPL (1.1)	TOMM40 (1.0)	GPAM (1.0)	HAVCR1 (0.9)
RAB3GAP1 (1.3)	LPL (1.1)	TOMM40 (1.0)	GPAM (1.0)	HAVCR1 (0.9)
RAB3GAP1 (1.3)	LPL (1.1)	TOMM40 (1.0)	GPAM (1.0)	HAVCR1 (0.9)
R3HDM1 (2.1)	FNDC4 (2.0)	CELSR2 (1.8)	C11orf9 (1.7)	C12orf43 (1.5)
MAU2 (2.0)	HMGCR (1.7)	FUT2 (1.5)	YIPF2 (1.4)	ENSG00000226645 (1

GNAT2 (1.8)	SPATC1 (1.8)	YSK4 (1.8)	PMFBP1 (1.7)	C19orf52 (1.5)
RAB3GAP1 (1.2)	TOMM40 (1.1)	IFT172 (1.0)	ERGIC3 (1.0)	LPL (1.0)
NRBP1 (2.3)	CYB561D1 (1.8)	RAB3GAP1 (1.8)	ENSG00000244861 (1	ATXN1L (1.5)
FNDC4 (2.1)	FER1L4 (1.8)	CELSR2 (1.7)	FADS1 (1.5)	C12orf43 (1.4)
NRBP1 (2.3)	GRINA (2.3)	SNX17 (2.2)	YIPF2 (2.2)	UBXN4 (2.1)
ZRANB3 (2.3)	ENSG00000236267 (2	GPR61 (2.1)	OTX1 (1.7)	PMFBP1 (1.4)
RAB3GAP1 (1.3)	IFT172 (1.1)	TOMM40 (1.0)	LPL (1.0)	TBKBP1 (1.0)
RAB3GAP1 (1.3)	IFT172 (1.1)	TOMM40 (1.0)	LPL (1.0)	TBKBP1 (1.0)
RAB3GAP1 (1.2)	IFT172 (1.2)	TOMM40 (1.0)	ERGIC3 (1.0)	HNF1A (0.9)
PBX4 (2.2)	HAVCR1 (2.1)	SNX17 (2.0)	FEN1 (1.7)	ZNF513 (1.6)
PBX4 (2.2)	HAVCR1 (2.1)	SNX17 (2.0)	FEN1 (1.7)	ZNF513 (1.6)
BUD13 (2.1)	RAB3GAP1 (2.0)	TRIB1 (1.6)	ATXN1L (1.5)	ENSG00000254235 (1
USP24 (1.7)	GATAD2A (1.6)	ZNF821 (1.5)	USP1 (1.4)	DOCK7 (1.4)
ZNF821 (1.7)	MYLIP (1.6)	HAPLN4 (1.5)	PGS1 (1.5)	NPEPPS (1.5)
UBXN4 (1.8)	MAU2 (1.6)	PARP10 (1.6)	CARM1 (1.6)	EHBP1 (1.6)
PSMA5 (1.6)	IFT172 (1.4)	TBKBP1 (1.1)	TRIM54 (1.1)	TOMM40 (1.0)
RAB3GAP1 (1.2)	CYP26A1 (1.1)	PMFBP1 (1.0)	ABO (1.0)	SNX17 (1.0)
ERGIC3 (1.8)	GOT2P1 (1.7)	PGS1 (1.5)	TOMM40 (1.5)	ENSG00000226648 (1
RAB3GAP1 (1.5)	TOMM40 (1.2)	IFT172 (1.1)	LPL (1.0)	ERGIC3 (1.0)
CELSR2 (2.0)	SORT1 (2.0)	R3HDM1 (1.9)	C11orf9 (1.9)	C12orf43 (1.5)
DNAH11 (1.9)	SPATC1 (1.8)	SLC22A2 (1.7)	ENSG00000256731 (1	FUT1 (1.6)
GPR61 (2.3)	NCAN (2.1)	SYPL2 (1.9)	RP1 (1.8)	ATXN7L2 (1.8)
CELSR2 (2.1)	FNDC4 (2.1)	ENSG00000226645 (2	KRTCAP3 (2.0)	CBLC (2.0)
SLC22A3 (2.5)	HNF1A (2.5)	CYB561D1 (2.2)	ATXN7L2 (2.2)	SYPL2 (2.2)
SNX17 (2.2)	EHBP1 (1.8)	MAP3K4 (1.8)	DARS (1.6)	SUMO1 (1.6)
RAB3GAP1 (2.2)	CELSR2 (2.2)	CLPTM1 (2.1)	AMIGO1 (1.9)	SORT1 (1.7)
COL4A3BP (1.9)	SLC22A2 (1.8)	CLPTM1 (1.5)	MAU2 (1.5)	PSMA5 (1.4)
RAB3GAP1 (1.4)	IFT172 (1.2)	LPL (1.1)	TOMM40 (1.0)	TBKBP1 (1.0)
RAB3GAP1 (1.4)	IFT172 (1.2)	LPL (1.1)	TOMM40 (1.0)	TBKBP1 (1.0)
RAB3GAP1 (1.4)	IFT172 (1.2)	LPL (1.1)	TOMM40 (1.0)	TBKBP1 (1.0)
RAB3GAP1 (1.4)	IFT172 (1.2)	LPL (1.1)	TOMM40 (1.0)	TBKBP1 (1.0)
SUGP1 (1.8)	BUD13 (1.8)	SUMO1 (1.7)	MAP3K4 (1.6)	DNAH11 (1.5)
PSMA5 (1.5)	IFT172 (1.3)	TBKBP1 (1.0)	LPL (1.0)	TOMM40 (0.9)
ATXN7L2 (1.7)	GATAD2A (1.5)	PSRC1 (1.5)	AMIGO1 (1.4)	DOCK7 (1.4)
RAB3GAP1 (1.4)	IFT172 (1.1)	LPL (1.1)	TBKBP1 (1.0)	HAVCR1 (0.9)
YSK4 (2.0)	CEP250 (1.4)	PMFBP1 (1.4)	ENSG00000231204 (1	AMPD2 (1.4)
CELSR2 (1.7)	HAPLN4 (1.6)	C11orf9 (1.5)	SORT1 (1.5)	GRINA (1.3)
ERGIC3 (1.5)	C19orf52 (1.5)	SPATC1 (1.3)	DHODH (1.2)	SUMO1 (1.1)
FNDC4 (2.0)	SPATC1 (2.0)	ENSG00000236267 (1	PBX4 (1.7)	CELSR2 (1.6)
DNAH11 (2.5)	PARP10 (1.7)	GNAI3 (1.7)	CYB561D1 (1.6)	TOP1 (1.4)
RAB3GAP1 (1.4)	ENSG00000182329 (1	IFT172 (1.1)	TOMM40 (1.1)	LPL (1.0)
GOT2P1 (2.3)	AMPD2 (2.1)	HAPLN4 (2.0)	TBKBP1 (1.7)	ABCA5 (1.7)
PVR (1.9)	TRIM54 (1.9)	MAMSTR (1.8)	ENSG00000182329 (1	DOCK6 (1.5)
TBKBP1 (1.3)	IFT172 (1.2)	PSMA5 (1.2)	HAVCR1 (1.0)	TOMM40 (1.0)
ENSG00000236267 (1	NCAN (1.6)	FUT2 (1.4)	SPATC1 (1.3)	FGF21 (1.3)
RAB3GAP1 (1.3)	IFT172 (1.1)	LPL (1.1)	TBKBP1 (1.1)	GPAM (1.0)
YSK4 (1.7)	TSSK6 (1.7)	ABO (1.6)	ENSG00000256731 (1	ENSG00000226645 (1
ATXN7L2 (2.4)	MAMSTR (2.1)	LPIN3 (1.8)	R3HDM1 (1.7)	PMFBP1 (1.7)
NOP58 (2.0)	FUT1 (2.0)	KPNB1 (1.9)	DARS (1.8)	C19orf52 (1.8)
FUT1 (2.1)	SLC22A3 (2.0)	HNF1A (2.0)	C11orf9 (1.9)	GSTM5 (1.7)

GOT2P1 (1.4)	TOMM40 (1.2)	IFT172 (1.0)	LPL (1.0)	ENSG00000182329 (1
LCT (1.8)	DNAH11 (1.8)	CYB561D1 (1.7)	GMIP (1.7)	LPL (1.6)
C17orf57 (2.3)	IZUMO1 (1.9)	ENSG00000182329 (1	HNF1A (1.5)	LPAR2 (1.3)
GNAI3 (2.1)	MAP3K4 (1.9)	ENSG00000244861 (1	ZNF821 (1.5)	NRBP1 (1.5)
OTX1 (2.0)	ENSG00000236267 (1	APOA4 (1.7)	ENSG00000226622 (1	DNAH11 (1.4)
R3HDM1 (1.9)	MAU2 (1.9)	COL4A3BP (1.8)	NPEPPS (1.7)	UBXN4 (1.6)
TXNL4B (2.2)	DHODH (2.0)	GOT2P1 (1.9)	ENSG00000182329 (1	DNAH11 (1.8)
FNDC4 (2.4)	C11orf9 (1.9)	SORT1 (1.8)	HAPLN4 (1.7)	FADS1 (1.5)
GSTM5 (2.0)	ATXN7L2 (1.8)	ABO (1.6)	CELSR2 (1.6)	ENSG00000226622 (1
SUMO1 (1.7)	ENSG00000228044 (1	PMFBP1 (1.5)	EHBP1 (1.4)	OASL (1.3)
FADS1 (2.1)	FNDC4 (1.8)	FER1L4 (1.7)	CELSR2 (1.7)	AMIGO1 (1.5)
IZUMO1 (2.7)	PBX4 (2.6)	IFT172 (2.5)	DNAH11 (2.1)	POLK (2.0)
PSMA5 (1.5)	IFT172 (1.1)	HAVCR1 (1.0)	TBKBP1 (1.0)	ENSG00000182329 (1
TXNL4B (2.0)	SYPL2 (1.8)	C17orf57 (1.8)	FNDC4 (1.7)	MAMSTR (1.7)
ENSG00000236267 (1	NCAN (1.7)	PLEC (1.7)	ATXN7L2 (1.6)	HAPLN4 (1.5)
SORT1 (1.6)	ST3GAL4 (1.6)	MAMSTR (1.6)	TSSK6 (1.5)	AMIGO1 (1.4)
AMPD2 (1.9)	PMFBP1 (1.8)	KRTCAP3 (1.6)	CYP26A1 (1.4)	CELSR2 (1.3)
ZHX3 (1.6)	CYB561D1 (1.6)	POC5 (1.3)	ENSG00000254235 (1	MAMSTR (1.3)
PMFBP1 (1.8)	LPAL2 (1.4)	ENSG00000254235 (1	GNAT2 (1.3)	ATXN1L (1.3)
ENSG00000256731 (2	MAMSTR (2.2)	ATXN7L2 (2.1)	LPIN3 (2.0)	PMFBP1 (1.7)
ZHX3 (2.0)	C12orf43 (1.8)	GPR61 (1.7)	OTX1 (1.6)	C11orf9 (1.6)
ATXN7L2 (2.0)	POC5 (1.9)	SUGP1 (1.6)	DHX38 (1.5)	ENSG00000254235 (1
ABCG8 (1.4)	ABCA5 (1.4)	ENSG00000235545 (1	KRTCAP3 (1.3)	LCT (1.2)
PSMA5 (1.7)	PPM1G (1.4)	BCAM (1.3)	C19orf52 (1.3)	LPL (1.2)
ENSG00000226622 (2	ABO (2.1)	CELSR2 (1.9)	TSSK6 (1.6)	CILP2 (1.3)
SPATC1 (1.7)	ENSG00000236436 (1	OTX1 (1.5)	MAMSTR (1.4)	TXNL4B (1.4)
ENSG00000256731 (1	RAB3GAP1 (1.3)	NPEPPS (1.3)	ENSG00000226648 (1	PSRC1 (1.0)
SUMO1 (2.3)	ZNF821 (2.2)	MAU2 (1.6)	PLCG1 (1.6)	RAB3GAP1 (1.5)
ENSG00000236267 (1	ENSG00000226622 (1	YSK4 (1.6)	AMIGO1 (1.4)	DNAH11 (1.2)
LPIN3 (1.9)	NYNRIN (1.8)	C17orf57 (1.5)	ATXN7L2 (1.4)	LCT (1.3)
ENSG00000226648 (2	GPR61 (1.9)	NCAN (1.8)	ENSG00000231204 (1	TSSK6 (1.6)
ZHX3 (1.7)	SLC22A2 (1.7)	NPEPPS (1.7)	CELSR2 (1.6)	IZUMO1 (1.6)
PPM1G (2.1)	BUD13 (2.0)	SUGP1 (1.9)	USP1 (1.8)	TXNL4B (1.7)
FNDC4 (2.0)	CELSR2 (2.0)	FADS1 (2.0)	AMIGO1 (1.6)	FER1L4 (1.6)
SUGP1 (1.8)	CEP250 (1.8)	FUT1 (1.7)	MAP3K4 (1.5)	LPIN3 (1.5)
ABO (2.0)	MAMSTR (1.9)	RP1 (1.8)	C12orf43 (1.3)	GDF5 (1.2)
CELSR2 (2.0)	GPR61 (2.0)	C12orf43 (1.9)	GOT2P1 (1.7)	NYNRIN (1.7)
FADS1 (2.1)	CELSR2 (1.8)	FER1L4 (1.8)	AMIGO1 (1.6)	ABCA5 (1.6)
YIPF2 (2.4)	GPR61 (2.2)	TSSK6 (2.0)	PGS1 (1.4)	ENSG00000244861 (1
SUMO1 (1.6)	ATP13A1 (1.4)	ZHX3 (1.2)	TRAM2 (1.1)	DARS (1.1)
PSMA5 (1.5)	IFT172 (1.4)	TOMM40 (1.0)	ENSG00000244861 (0	GPAM (0.9)
PSMA5 (1.5)	IFT172 (1.4)	TOMM40 (1.0)	ENSG00000244861 (0	GPAM (0.9)
NRBP1 (2.2)	CYB561D1 (1.7)	RAB3GAP1 (1.6)	ATXN1L (1.5)	AMPD2 (1.4)
ENSG00000231204 (1	HNF1A (1.7)	COL4A3BP (1.7)	GPR61 (1.4)	HAVCR1 (1.3)
ENSG00000226806 (1	PMFBP1 (1.5)	CYB561D1 (1.4)	ZNF821 (1.4)	CEP250 (1.2)
TXNL4B (1.9)	ZNF259 (1.9)	RAB3GAP1 (1.9)	ENSG00000226645 (1	DHX38 (1.5)
FNDC4 (2.0)	PBX4 (2.0)	CILP2 (1.9)	FUT2 (1.7)	PMFBP1 (1.7)
ENSG00000244861 (1	ATXN7L2 (1.7)	SLC22A3 (1.4)	TBKBP1 (1.3)	GATAD2A (1.3)
NRBP1 (1.8)	YIPF2 (1.8)	SUGP1 (1.7)	R3HDM1 (1.7)	TXNL4B (1.5)
IFT172 (2.4)	RAB3GAP1 (2.3)	BUD13 (2.2)	ENSG00000226645 (2	IZUMO1 (1.7)

ZRANB3 (1.6)	ENSG00000226645 (1	FEN1 (1.5)	USP1 (1.4)	SUGP1 (1.4)
ENSG00000226648 (1	FER1L4 (1.8)	ENSG00000244861 (1	NCAN (1.6)	OBP2B (1.5)
SYPL2 (2.0)	LPL (1.6)	NPEPPS (1.5)	KPNB1 (1.4)	R3HDM1 (1.3)
TOP1 (2.0)	IST1 (2.0)	PPM1G (1.9)	RAB3GAP1 (1.7)	COL4A3BP (1.7)
OTX1 (1.8)	AMIGO1 (1.8)	FNDC4 (1.6)	GPR61 (1.6)	C11orf9 (1.4)
BUD13 (1.8)	GSTM5 (1.8)	NPEPPS (1.4)	TOP1 (1.4)	ATXN1L (1.4)
POC5 (2.1)	MAP3K4 (2.0)	BUD13 (1.9)	C19orf52 (1.7)	C17orf57 (1.5)
NRBP1 (2.6)	ENSG00000226645 (2	GRINA (2.1)	TXNL4B (2.0)	ENSG00000256731 (2
PLCG1 (1.8)	CBLC (1.8)	GATAD2A (1.7)	YSK4 (1.5)	ENSG00000228044 (1
ERGIC3 (1.6)	GSTM4 (1.6)	YSK4 (1.6)	CLPTM1 (1.4)	NPEPPS (1.4)
TSSK6 (2.1)	ENSG00000182329 (2	ENSG00000231204 (2	USP24 (1.9)	APOC4 (1.6)
GSTM5 (1.9)	ST3GAL4 (1.8)	CILP2 (1.6)	ENSG00000236267 (1	ENSG00000226622 (1
OTX1 (2.2)	AMIGO1 (1.6)	CLPTM1 (1.5)	ZNF513 (1.3)	FADS1 (1.3)
KRTCAP3 (2.0)	ABO (1.9)	C11orf9 (1.5)	SPATC1 (1.5)	USP24 (1.5)
ENSG00000231204 (2	USP1 (1.8)	TXNL4B (1.7)	C19orf52 (1.6)	PSRC1 (1.4)
ENSG00000235545 (1	YSK4 (1.5)	MYLIP (1.5)	APOE (1.5)	ABO (1.4)
PLCG1 (2.1)	NCAN (2.0)	TBKBP1 (2.0)	SLC22A3 (1.8)	DHX38 (1.6)
R3HDM1 (1.9)	FER1L4 (1.9)	AMIGO1 (1.6)	ERGIC3 (1.6)	CELSR2 (1.3)
PGS1 (1.6)	TOMM40 (1.6)	ABCA5 (1.6)	ERGIC3 (1.6)	GSTM4 (1.5)
IZUMO1 (1.9)	CBLC (1.7)	C17orf57 (1.7)	ZRANB3 (1.4)	ERGIC3 (1.4)
SUMO1 (2.3)	DOCK7 (2.2)	GMIP (2.0)	YSK4 (1.9)	PSRC1 (1.8)
RAB3GAP1 (2.3)	CEP250 (2.1)	IFT172 (2.0)	BUD13 (2.0)	ENSG00000226645 (1
RAB3GAP1 (2.3)	CEP250 (2.1)	IFT172 (2.0)	BUD13 (2.0)	ENSG00000226645 (1
FNDC4 (2.0)	FER1L4 (1.9)	FADS1 (1.7)	GRINA (1.6)	CELSR2 (1.6)
SNX17 (1.6)	ENSG00000228044 (1	DNAH11 (1.4)	PBX4 (1.3)	NRBP1 (1.3)
TBKBP1 (1.7)	GPR61 (1.6)	SORT1 (1.6)	LCT (1.5)	KANK2 (1.4)
GNAT2 (1.5)	ATXN1L (1.4)	ENSG00000254235 (1	LPAL2 (1.3)	PMFBP1 (1.3)
ENSG00000226622 (1	OBP2B (1.5)	C11orf9 (1.4)	FUT1 (1.3)	PCSK9 (1.1)
SLC22A3 (2.1)	KANK2 (2.0)	ENSG00000236267 (1	DOCK6 (1.3)	PBX4 (1.3)
TXNL4B (2.0)	SUMO1 (1.9)	ENSG00000182329 (1	DHODH (1.9)	DNAH11 (1.5)
ENSG00000254235 (1	ENSG00000244861 (1	MAMSTR (1.4)	SLC44A2 (1.3)	SORT1 (1.2)
PSRC1 (1.3)	MYLIP (1.3)	BUD13 (1.2)	C19orf52 (1.1)	ENSG00000244861 (1
TXNL4B (2.2)	IST1 (1.7)	RAB3GAP1 (1.7)	MAP3K4 (1.6)	C17orf57 (1.5)
KPNB1 (1.6)	SLC22A2 (1.5)	FGF21 (1.4)	SLC44A2 (1.2)	IZUMO1 (1.2)
NCAN (2.3)	GPR61 (1.8)	SORT1 (1.8)	R3HDM1 (1.7)	SPATC1 (1.7)
POC5 (2.2)	SUMO1 (2.1)	ATXN7L2 (1.8)	CARM1 (1.7)	IST1 (1.6)
CELSR2 (1.9)	C11orf9 (1.8)	FADS1 (1.6)	SORT1 (1.5)	C12orf43 (1.5)
GNAI3 (2.2)	C19orf52 (2.1)	MAP3K4 (1.9)	BMPR2 (1.8)	USP1 (1.7)
LDLR (1.6)	ST3GAL4 (1.6)	SPATC1 (1.6)	R3HDM1 (1.5)	LPA (1.3)
CELSR2 (2.1)	TSSK6 (1.6)	FADS2 (1.4)	GOT2P1 (1.4)	DNAH11 (1.4)
SORT1 (2.5)	GPR61 (2.5)	C11orf9 (2.3)	CELSR2 (2.2)	ENSG00000235545 (1
GPR61 (1.2)	ENSG00000235545 (1	TXNL4B (1.2)	SLC22A1 (1.0)	ABCA6 (0.9)
GPR61 (1.2)	ENSG00000235545 (1	TXNL4B (1.2)	SLC22A1 (1.0)	ABCA6 (0.9)
FER1L4 (2.1)	FNDC4 (1.9)	CELSR2 (1.8)	ABCA6 (1.8)	SORT1 (1.7)
OBP2B (2.2)	ENSG00000226622 (2	C11orf9 (1.9)	ABCA6 (1.7)	LPAL2 (1.6)
CELSR2 (2.1)	FNDC4 (1.8)	YSK4 (1.8)	C12orf43 (1.8)	GPR61 (1.7)
IZUMO1 (2.0)	R3HDM1 (1.6)	SLC22A2 (1.5)	ENSG00000226622 (1	ABCA5 (1.4)
SUMO1 (2.1)	TXNL4B (2.0)	ENSG00000182329 (1	DHODH (1.8)	DNAH11 (1.6)
YIPF2 (2.1)	APOE (1.7)	ABCA5 (1.4)	EHBP1 (1.2)	PLCG1 (1.2)
FNDC4 (2.1)	FER1L4 (1.9)	FADS1 (1.9)	CELSR2 (1.6)	FADS2 (1.4)

FER1L4 (1.9)	R3HDM1 (1.7)	AMIGO1 (1.6)	ERGIC3 (1.6)	CELSR2 (1.6)
ENSG00000226645 (1	ENSG00000235545 (1	PSMA5 (1.6)	SUGP1 (1.5)	PPM1G (1.3)
ENSG00000244861 (1	C17orf57 (1.7)	PMFBP1 (1.6)	TOP1 (1.5)	PLCG1 (1.4)
TBKBP1 (1.9)	MAMSTR (1.7)	LPIN3 (1.7)	RAB3GAP1 (1.7)	C11orf9 (1.7)
CELSR2 (2.2)	R3HDM1 (2.2)	NPEPPS (1.8)	LPL (1.6)	TSSK6 (1.6)
HNF1A (2.0)	C17orf57 (1.9)	IZUMO1 (1.7)	ENSG00000226648 (1	MAMSTR (1.4)
CARM1 (1.7)	USP24 (1.5)	DOCK7 (1.5)	ATXN7L2 (1.3)	SUMO1 (1.3)
R3HDM1 (2.1)	SLC22A3 (2.0)	ENSG00000231204 (1	ENSG00000256731 (1	RP1 (1.9)
ZHX3 (2.1)	TSSK6 (1.8)	ENSG00000182329 (1	ENSG00000256731 (1	PBX4 (1.6)
MAMSTR (2.0)	GPR61 (1.9)	TRIM54 (1.7)	GOT2P1 (1.7)	NCAN (1.6)
LPA (1.6)	CELSR2 (1.5)	ATP13A1 (1.5)	ENSG00000226622 (1	NCAN (1.3)
BMPR2 (2.0)	CELSR2 (1.6)	AMIGO1 (1.6)	NCAN (1.5)	HAVCR1 (1.4)
ENSG00000235545 (2	DOCK7 (2.0)	FUT2 (2.0)	ABCA5 (1.6)	IZUMO1 (1.5)
GPR61 (2.4)	YSK4 (1.9)	FNDC4 (1.6)	GSTM5 (1.6)	TSSK6 (1.6)
ENSG00000226648 (2	DNAH11 (1.5)	TXNL4B (1.4)	ENSG00000228044 (1	ENSG00000226806 (1
PSMA5 (1.4)	IFT172 (1.2)	LPL (1.1)	HAVCR1 (1.0)	ERGIC3 (1.0)
MAMSTR (2.3)	FUT1 (2.2)	ENSG00000231204 (2	ABO (2.1)	SLC22A3 (1.9)
COL4A3BP (1.7)	SLC44A2 (1.4)	ERGIC3 (1.4)	LPAR2 (1.3)	OBP2B (1.3)
ZRANB3 (2.6)	MCM6 (2.5)	SUMO1 (2.2)	POC5 (1.6)	TXNL4B (1.2)
ZRANB3 (2.6)	MCM6 (2.5)	SUMO1 (2.2)	POC5 (1.6)	TXNL4B (1.2)
SORT1 (2.0)	CELSR2 (1.8)	FER1L4 (1.8)	FNDC4 (1.7)	AMIGO1 (1.6)
FER1L4 (1.8)	SORT1 (1.6)	FADS1 (1.6)	AMIGO1 (1.6)	C11orf9 (1.4)
CELSR2 (1.9)	FER1L4 (1.9)	FADS1 (1.8)	AMIGO1 (1.7)	FNDC4 (1.6)
COL4A3BP (2.0)	OASL (1.9)	PARP10 (1.9)	NRBP1 (1.8)	NPEPPS (1.8)
PLEC (1.7)	HAPLN4 (1.7)	BCAM (1.6)	GDF5 (1.6)	KANK2 (1.5)
KRTCAP3 (1.6)	COL4A3BP (1.6)	GPAM (1.3)	TXNL4B (1.2)	ABCA5 (1.2)
TBKBP1 (1.4)	ENSG00000244861 (1	TOMM40 (1.4)	MAU2 (1.3)	PSMA5 (1.3)
R3HDM1 (1.8)	AMIGO1 (1.8)	MAMSTR (1.4)	MYLIP (1.2)	SORT1 (1.2)
GOT2P1 (1.4)	LPL (1.1)	TBKBP1 (1.0)	HAVCR1 (1.0)	ERGIC3 (1.0)
SMARCA4 (1.8)	NPEPPS (1.8)	PLEC (1.7)	BMPR2 (1.6)	COL4A3BP (1.6)
ZNF259 (1.8)	ENSG00000226645 (1	TXNL4B (1.7)	ATXN7L2 (1.7)	ENSG00000235545 (1
ZHX3 (1.8)	LPIN3 (1.7)	ERGIC3 (1.4)	MAMSTR (1.4)	TXNL4B (1.3)
TOMM40 (1.7)	TSSK6 (1.7)	GOT2P1 (1.6)	LPAL2 (1.6)	ZHX3 (1.5)
TOMM40 (1.7)	TSSK6 (1.7)	GOT2P1 (1.6)	LPAL2 (1.6)	ZHX3 (1.5)
ENSG00000235545 (1	BUD13 (1.5)	ATXN1L (1.5)	PSRC1 (1.5)	ZNF821 (1.5)
FADS1 (1.9)	FER1L4 (1.9)	CELSR2 (1.8)	FNDC4 (1.7)	HAPLN4 (1.5)
MAU2 (2.1)	ENSG00000231204 (1	NRBP1 (1.8)	MAP3K4 (1.5)	POC5 (1.4)
C19orf52 (1.8)	NPEPPS (1.6)	C12orf43 (1.6)	C17orf57 (1.5)	RAB3GAP1 (1.4)
CELSR2 (2.2)	USP24 (1.9)	C19orf52 (1.6)	TOP1 (1.5)	R3HDM1 (1.5)
CELSR2 (1.8)	ENSG00000231204 (1	ERGIC3 (1.7)	BMPR2 (1.7)	CYB561D1 (1.7)
CYB561D1 (2.1)	CELSR2 (2.0)	BMPR2 (1.8)	CBLC (1.5)	R3HDM1 (1.5)
DNAH11 (2.4)	HAPLN4 (2.3)	OBP2B (2.1)	ABO (2.0)	FNDC4 (2.0)
PMFBP1 (1.5)	GATAD2A (1.5)	ZHX3 (1.4)	GNAI3 (1.4)	FGF21 (1.4)
GRINA (1.5)	SLC44A2 (1.3)	CETP (1.3)	LPAL2 (1.3)	ENSG00000231204 (1
MAP3K4 (1.8)	GNAI3 (1.8)	DOCK7 (1.5)	SLC22A3 (1.5)	POLK (1.5)
ATXN7L2 (1.8)	ENSG00000236436 (1	HAVCR1 (1.6)	ABCA5 (1.5)	C17orf57 (1.3)
IZUMO1 (1.7)	ENSG00000235545 (1	ENSG00000228044 (1	SPATC1 (1.4)	MAP3K4 (1.4)
C17orf57 (1.7)	SUMO1 (1.6)	CELSR2 (1.5)	GDF5 (1.5)	ENSG00000228044 (1
FADS1 (2.0)	FER1L4 (1.8)	CELSR2 (1.8)	C12orf43 (1.7)	FNDC4 (1.6)
BUD13 (1.7)	SUMO1 (1.7)	ATXN7L2 (1.6)	SARS (1.6)	CELSR2 (1.4)

GSTM4 (2.0)	NCAN (1.7)	LPAL2 (1.7)	SORT1 (1.6)	MAMSTR (1.5)
ENSG00000236436 (1	AMIGO1 (1.7)	ENSG00000235545 (1	HNF1A (1.2)	PMFBP1 (1.2)
FER1L4 (1.9)	FADS1 (1.9)	CELSR2 (1.8)	FNDC4 (1.6)	AMIGO1 (1.6)
TBKBP1 (2.1)	OBP2B (2.1)	SORT1 (2.0)	ENSG00000226806 (1	FNDC4 (1.6)
GPR61 (1.8)	BMPR2 (1.4)	CELSR2 (1.4)	SMARCA4 (1.3)	ENSG00000182329 (1
COL4A3BP (2.0)	ST3GAL4 (1.6)	YIPF2 (1.5)	ABO (1.5)	POLK (1.5)
POLK (3.1)	BUD13 (3.1)	ENSG00000226806 (2	ZNF259 (1.4)	HAVCR1 (1.4)
FER1L4 (1.9)	CELSR2 (1.9)	SORT1 (1.8)	C11orf9 (1.6)	FADS1 (1.5)
TXNL4B (2.1)	LPA (2.0)	SUMO1 (1.7)	AMPD2 (1.5)	ANGPTL3 (1.4)
ZNF821 (1.6)	ATXN7L2 (1.3)	USP1 (1.3)	LCT (1.3)	BMPR2 (1.2)
GPR61 (2.3)	ENSG00000182329 (2	NFE2L3 (1.8)	AMIGO1 (1.8)	BMPR2 (1.7)
ENSG00000226648 (1	GOT2P1 (1.5)	ATXN1L (1.3)	GDF5 (1.2)	HAPLN4 (1.2)
BMPR2 (2.3)	IGF2R (2.2)	USP24 (2.1)	ENSG00000256731 (1	SARS (1.8)
AMIGO1 (1.4)	GRINA (1.4)	EHBP1 (1.3)	GNAT2 (1.3)	RP1 (1.3)
GDF5 (1.6)	ENSG00000226648 (1	GOT2P1 (1.2)	COL4A3BP (1.2)	HAPLN4 (1.1)
DNAH11 (1.9)	C17orf57 (1.8)	EHBP1 (1.6)	SLC22A2 (1.6)	PBX4 (1.5)
FER1L4 (1.8)	CELSR2 (1.8)	FADS1 (1.6)	AMIGO1 (1.6)	FNDC4 (1.5)
TIMD4 (1.5)	OBP2B (1.4)	POLK (1.2)	PVR (1.1)	NFE2L3 (1.1)
FADS1 (2.1)	CELSR2 (1.8)	FNDC4 (1.7)	C12orf43 (1.6)	FER1L4 (1.5)
COL4A3BP (2.2)	TOP1 (2.1)	SUGP1 (1.9)	ZNF513 (1.6)	POC5 (1.6)
FNDC4 (2.9)	ENSG00000182329 (2	TBKBP1 (2.3)	CELSR2 (2.0)	R3HDM1 (1.6)
FADS1 (2.0)	FER1L4 (1.9)	CELSR2 (1.8)	FNDC4 (1.7)	C12orf43 (1.6)
C19orf52 (2.0)	ENSG00000226806 (1	SORT1 (1.9)	NPEPPS (1.9)	IST1 (1.8)
GPR61 (1.5)	ABO (1.5)	SORT1 (1.5)	CYB561D1 (1.3)	HAPLN4 (1.3)
BUD13 (1.8)	FER1L4 (1.7)	ENSG00000244861 (1	POLK (1.4)	ABCA5 (1.0)
TSSK6 (1.7)	GSTM5 (1.7)	ENSG00000226645 (1	ZNF821 (1.4)	SLC22A2 (1.3)
ABO (1.9)	KRTCAP3 (1.9)	SPATC1 (1.7)	C11orf9 (1.5)	TBKBP1 (1.4)
NCAN (2.2)	CELSR2 (2.2)	C11orf9 (2.2)	ENSG00000182329 (1	ENSG00000226648 (1
IST1 (2.0)	ABCA5 (1.8)	GOT2P1 (1.8)	SLC22A2 (1.6)	FUT2 (1.5)
AMIGO1 (2.1)	C12orf43 (2.0)	HAVCR1 (1.6)	SLC22A2 (1.4)	HNF1A (1.4)
R3HDM1 (2.1)	AMIGO1 (2.1)	SORT1 (2.1)	GOT2P1 (1.8)	HAPLN4 (1.4)
FADS1 (2.0)	CELSR2 (1.8)	FER1L4 (1.6)	FNDC4 (1.6)	AMIGO1 (1.6)
GSTM5 (2.0)	AMIGO1 (1.9)	CILP2 (1.7)	PGS1 (1.5)	GSTM4 (1.5)
FER1L4 (2.1)	FADS1 (1.9)	CELSR2 (1.8)	FNDC4 (1.7)	AMIGO1 (1.6)
OTX1 (1.8)	NCAN (1.4)	ENSG00000182329 (1	GCKR (1.3)	ENSG00000235545 (1
SORT1 (2.7)	FUT2 (2.4)	CYB561D1 (2.2)	GPR61 (2.1)	CELSR2 (2.0)
GPR61 (2.2)	FER1L4 (1.7)	ENSG00000244861 (1	AMIGO1 (1.6)	GOT2P1 (1.5)
R3HDM1 (2.3)	SORT1 (2.3)	RASIP1 (2.0)	AMIGO1 (1.5)	GDF5 (1.4)
COL4A3BP (2.1)	UBXN4 (2.0)	ENSG00000226806 (2	IFT172 (2.0)	SNX17 (1.9)
FADS1 (1.9)	FER1L4 (1.9)	CELSR2 (1.8)	AMIGO1 (1.7)	FNDC4 (1.6)
ENSG00000226622 (2	SUMO1 (1.9)	C19orf52 (1.7)	AMPD2 (1.7)	YIPF2 (1.7)
BMPR2 (1.4)	ENSG00000236436 (1	COL4A3BP (1.3)	ERGIC3 (1.2)	GRINA (1.2)
PSMA5 (1.4)	IFT172 (1.1)	TBKBP1 (1.0)	LPL (0.9)	ENSG00000182329 (0
HNF1A (2.0)	GSTM4 (1.8)	YSK4 (1.7)	ERGIC3 (1.7)	ENSG00000244861 (1
HNF1A (2.0)	GSTM4 (1.8)	YSK4 (1.7)	ERGIC3 (1.7)	ENSG00000244861 (1
IFT172 (1.8)	USP1 (1.8)	PPM1G (1.7)	SMARCA4 (1.6)	PSRC1 (1.5)
MAP3K4 (1.5)	ENSG00000235545 (1	FGF21 (1.2)	AMIGO1 (1.2)	SPATC1 (1.1)
FER1L4 (2.0)	FADS1 (1.9)	CELSR2 (1.8)	FNDC4 (1.7)	AMIGO1 (1.6)
R3HDM1 (2.1)	SPATC1 (2.1)	PMFBP1 (1.6)	ENSG00000236436 (1	TSSK6 (1.5)
ABCA5 (2.1)	HAPLN4 (1.9)	DOCK6 (1.5)	GSTM5 (1.5)	TSSK6 (1.4)

BMPR2 (2.1)	CYB561D1 (1.9)	DHODH (1.5)	SLC44A2 (1.3)	ENSG00000226806 (1
DHODH (1.3)	ENSG00000235545 (1	FER1L4 (1.3)	RASIP1 (1.2)	NPEPPS (1.1)
RAB3GAP1 (1.8)	KANK2 (1.7)	ENSG00000254235 (1	HAVCR1 (1.4)	R3HDM1 (1.3)
CYB561D1 (1.7)	SORT1 (1.7)	SLC44A2 (1.5)	ENSG00000235545 (1	PMFBP1 (1.4)
SYPL2 (2.7)	LPAL2 (2.3)	GSTM5 (1.9)	SLC22A3 (1.8)	YSK4 (1.8)
SUMO1 (2.2)	C19orf52 (2.1)	USP1 (2.1)	TXNL4B (1.7)	TOP1 (1.6)
FER1L4 (1.9)	FADS1 (1.9)	CELSR2 (1.7)	AMIGO1 (1.7)	HAPLN4 (1.6)
IST1 (1.9)	GOT2P1 (1.8)	SLC22A2 (1.7)	FUT2 (1.7)	ABCA5 (1.7)
TRIM54 (2.3)	ATXN1L (1.4)	PPM1G (1.4)	SYPL2 (1.3)	TSSK6 (1.3)
GOT2P1 (1.7)	AMIGO1 (1.7)	ENSG00000236436 (1	OTX1 (1.6)	ABCA5 (1.6)
SUMO1 (1.5)	SPATC1 (1.4)	SNX17 (1.4)	ATXN7L2 (1.3)	FUT2 (1.3)
FADS1 (1.9)	FER1L4 (1.9)	CELSR2 (1.8)	AMIGO1 (1.6)	FNDC4 (1.6)
ZHX3 (2.5)	NCAN (2.0)	IFT172 (1.9)	PLCG1 (1.6)	ZNF513 (1.6)
NCAN (2.4)	LPIN3 (1.8)	ATXN7L2 (1.7)	PLEC (1.7)	DOCK7 (1.5)
FUT2 (1.9)	DOCK7 (1.9)	ENSG00000235545 (1	IZUMO1 (1.6)	CELSR2 (1.5)
RAB3GAP1 (1.4)	PSMA5 (1.4)	HAVCR1 (1.2)	ENSG00000244861 (1	IFT172 (1.2)
IST1 (2.2)	SORT1 (1.8)	SNX17 (1.8)	C19orf52 (1.7)	CLPTM1 (1.7)
TRIM54 (1.8)	ENSG00000235545 (1	GPR61 (1.6)	NPEPPS (1.5)	CELSR2 (1.5)
ZHX3 (1.8)	FNDC4 (1.8)	ENSG00000254235 (1	ENSG00000226645 (1	TBKBP1 (1.5)
FADS1 (2.0)	CELSR2 (1.7)	AMIGO1 (1.7)	FER1L4 (1.7)	FNDC4 (1.6)
ABCA5 (1.5)	TOMM40 (1.5)	PGS1 (1.5)	C19orf52 (1.5)	HNF1A (1.5)
TOP1 (1.6)	NFE2L3 (1.6)	ENSG00000256731 (1	DARS (1.5)	MYLIP (1.5)
FADS1 (1.9)	CELSR2 (1.9)	FER1L4 (1.8)	FNDC4 (1.7)	AMIGO1 (1.7)
FER1L4 (1.9)	FADS1 (1.9)	CELSR2 (1.8)	FNDC4 (1.6)	AMIGO1 (1.6)
LPAL2 (1.7)	R3HDM1 (1.7)	TBKBP1 (1.5)	C11orf9 (1.5)	IFT172 (1.4)
LPAL2 (1.7)	R3HDM1 (1.7)	TBKBP1 (1.5)	C11orf9 (1.5)	IFT172 (1.4)
RP1 (2.4)	SORT1 (2.0)	GNAT2 (1.8)	R3HDM1 (1.8)	AMIGO1 (1.6)
ERGIC3 (2.2)	UBXN4 (2.0)	DHODH (1.6)	SNX17 (1.5)	ENSG00000244861 (1
NRBP1 (2.0)	SUMO1 (1.6)	C12orf43 (1.4)	PVR (1.4)	HAPLN4 (1.4)
OTX1 (2.1)	R3HDM1 (2.1)	FNDC4 (2.0)	ENSG00000244861 (1	PBX4 (1.7)
GRINA (2.0)	SLC22A3 (2.0)	AMIGO1 (2.0)	AMPD2 (1.9)	GNAI3 (1.6)
GPR61 (2.3)	BMPR2 (2.0)	ENSG00000182329 (2	C11orf9 (1.7)	SPATC1 (1.6)
GPR61 (2.3)	BMPR2 (2.0)	ENSG00000182329 (2	C11orf9 (1.7)	SPATC1 (1.6)
SPATC1 (2.0)	R3HDM1 (1.9)	PMFBP1 (1.8)	ENSG00000226648 (1	PSRC1 (1.6)
EHBP1 (2.0)	ZRANB3 (2.0)	ENSG00000235545 (2	FEN1 (1.8)	AMIGO1 (1.5)
NRBP1 (1.8)	HAPLN4 (1.8)	R3HDM1 (1.7)	SARS (1.6)	PGS1 (1.5)
SORT1 (2.0)	ENSG00000244861 (1	ENSG00000226645 (1	EHBP1 (1.8)	TRIM54 (1.6)
AMPD2 (1.8)	SUMO1 (1.7)	TSSK6 (1.6)	KRTCAP3 (1.4)	ENSG00000236436 (1
SUGP1 (1.8)	IFT172 (1.7)	ATXN7L2 (1.6)	USP1 (1.6)	PPM1G (1.5)
GPR61 (1.6)	GRINA (1.5)	ZNF821 (1.4)	ENSG00000182329 (1	COL4A3BP (1.3)
CELSR2 (1.8)	TRIM54 (1.8)	GPR61 (1.6)	ENSG00000235545 (1	NPEPPS (1.5)
KANK2 (2.0)	ABCA6 (2.0)	SUGP1 (1.8)	PCSK9 (1.8)	ZHX3 (1.7)
GSTM4 (1.4)	YSK4 (1.3)	FUT2 (1.3)	DOCK7 (1.1)	ENSG00000235545 (1
MYLIP (1.5)	ENSG00000236436 (1	FUT1 (1.3)	PCSK9 (1.2)	ENSG00000226622 (1
SUMO1 (2.2)	ZNF513 (2.2)	POC5 (2.2)	TXNL4B (1.7)	ZHX3 (1.7)
C19orf52 (1.9)	SPATC1 (1.6)	LCT (1.4)	ABCG8 (1.2)	TXNL4B (1.1)
EHBP1 (2.4)	ABCA5 (1.9)	ENSG00000236267 (1	FUT1 (1.8)	PBX4 (1.7)
IFT172 (1.7)	SARS (1.6)	SNX17 (1.6)	SUMO1 (1.4)	HNF1A (1.4)
HAVCR1 (1.9)	SLC22A2 (1.6)	ATXN7L2 (1.6)	PMFBP1 (1.3)	ZHX3 (1.2)
ENSG00000226645 (2	AMPD2 (2.0)	GSTM4 (2.0)	ENSG00000226622 (1	SUMO1 (1.8)

RAB3GAP1 (1.8)	MAU2 (1.7)	POLK (1.7)	YSK4 (1.7)	SUGP1 (1.6)
ABCA5 (1.8)	ENSG00000231204 (1	TSSK6 (1.7)	YIPF2 (1.6)	ENSG00000182329 (1
PGS1 (1.7)	GOT2P1 (1.7)	YSK4 (1.5)	SORT1 (1.4)	NPEPPS (1.4)
TRIM54 (1.8)	NCAN (1.8)	HAPLN4 (1.6)	GPR61 (1.6)	GPAM (1.5)
SPATC1 (2.3)	NCAN (2.0)	YSK4 (1.6)	MAMSTR (1.3)	PMFBP1 (1.3)
ENSG00000236436 (1	PSRC1 (1.7)	SPATC1 (1.6)	ENSG00000226648 (1	R3HDM1 (1.5)
MYLIP (1.5)	GDF5 (1.5)	ENSG00000235545 (1	RAB3GAP1 (1.5)	PMFBP1 (1.4)
CELSR2 (1.7)	ENSG00000226648 (1	FUT1 (1.2)	DOCK6 (1.2)	RASIP1 (1.1)
MAMSTR (1.7)	IZUMO1 (1.7)	PBX4 (1.7)	NCAN (1.6)	PCSK9 (1.6)
HAPLN4 (2.3)	ENSG00000256731 (1	GNAT2 (1.4)	PMFBP1 (1.4)	NPEPPS (1.2)
GOT2P1 (1.1)	IFT172 (1.1)	ERGIC3 (1.0)	ENSG00000244861 (1	GPAM (1.0)
EHBP1 (2.2)	CELSR2 (2.1)	BCAM (2.0)	CYB561D1 (1.7)	TRIM54 (1.7)
ERGIC3 (1.6)	POLK (1.6)	POC5 (1.5)	DOCK7 (1.4)	SLC22A2 (1.4)
SARS (2.2)	RAB3GAP1 (1.9)	PGS1 (1.8)	IST1 (1.7)	CLPTM1 (1.7)
ENSG00000235545 (2	ENSG00000231204 (2	YSK4 (2.1)	LCT (1.9)	NCAN (1.8)
CYB561D1 (2.2)	IFT172 (2.0)	SUGP1 (1.8)	ATXN1L (1.8)	SNX17 (1.8)
C17orf57 (1.8)	IZUMO1 (1.6)	MAMSTR (1.5)	ENSG00000226648 (1	ENSG00000182329 (1
C17orf57 (1.8)	IZUMO1 (1.6)	MAMSTR (1.5)	ENSG00000226648 (1	ENSG00000182329 (1
SLC22A3 (1.8)	GNAI3 (1.7)	CYB561D1 (1.6)	AMIGO1 (1.6)	EHBP1 (1.5)
CYP26A1 (1.9)	DNAH11 (1.8)	GPR61 (1.6)	GNAT2 (1.5)	NCAN (1.5)
GPR61 (1.5)	SLC22A2 (1.5)	TRIM54 (1.5)	ENSG00000244861 (1	ABCA6 (1.5)
ENSG00000256731 (1	FER1L4 (1.8)	DNAH11 (1.8)	PGS1 (1.5)	COL4A3BP (1.4)
ENSG00000256731 (1	FER1L4 (1.8)	DNAH11 (1.8)	PGS1 (1.5)	COL4A3BP (1.4)
NCAN (2.1)	CYB561D1 (2.0)	FUT2 (1.9)	SYPL2 (1.8)	ENSG00000182329 (1
BUD13 (3.0)	POLK (2.5)	ENSG00000226648 (1	ENSG00000226806 (1	ENSG00000182329 (1
BUD13 (3.0)	POLK (2.5)	ENSG00000226648 (1	ENSG00000226806 (1	ENSG00000182329 (1
HAPLN4 (1.7)	MAMSTR (1.5)	SYPL2 (1.5)	FNDC4 (1.3)	GOT2P1 (1.3)
PGS1 (1.9)	PSMA5 (1.9)	ENSG00000226648 (1	ERGIC3 (1.6)	HNF1A (1.5)
NCAN (2.4)	HAPLN4 (2.0)	TBKBP1 (1.9)	ATXN7L2 (1.9)	OTX1 (1.5)
HAPLN4 (1.7)	GNAT2 (1.6)	ENSG00000231204 (1	ENSG00000256731 (1	MYLIP (1.4)
PMFBP1 (1.8)	AMIGO1 (1.8)	ZHX3 (1.6)	YIPF2 (1.5)	CYB561D1 (1.5)
CELSR2 (1.9)	FER1L4 (1.8)	AMIGO1 (1.7)	FADS1 (1.7)	FNDC4 (1.6)
AMPD2 (1.7)	GPR61 (1.7)	R3HDM1 (1.4)	GSTM4 (1.4)	SORT1 (1.3)
ABCA5 (1.8)	BUD13 (1.5)	ENSG00000236267 (1	PMFBP1 (1.3)	ENSG00000236436 (1
OTX1 (1.7)	HAVCR1 (1.7)	KRTCAP3 (1.6)	NCAN (1.6)	CELSR2 (1.4)
PSRC1 (1.8)	ENSG00000236436 (1	ENSG00000226648 (1	USP1 (1.3)	PMFBP1 (1.3)
TIMD4 (1.6)	CETP (1.1)	GSTM4 (1.1)	FER1L4 (1.0)	OBP2B (0.9)
PBX4 (2.1)	FUT2 (2.0)	FNDC4 (2.0)	YSK4 (1.8)	ENSG00000244861 (1
MAP3K4 (1.9)	R3HDM1 (1.8)	TXNL4B (1.7)	ENSG00000236267 (1	ATXN1L (1.7)
MAU2 (1.4)	CLPTM1 (1.3)	TOMM40 (1.3)	SORT1 (1.0)	ENSG00000244861 (1
GDF5 (2.1)	UBXN4 (1.4)	ZNF513 (1.4)	MAU2 (1.4)	SNX17 (1.3)
ENSG00000226622 (1	NCAN (1.4)	ENSG00000256731 (1	C11orf9 (1.3)	MYLIP (1.2)
ENSG00000226622 (2	DNAH11 (1.9)	AMIGO1 (1.8)	C19orf52 (1.6)	NCAN (1.6)
R3HDM1 (2.5)	BMPR2 (1.6)	AMIGO1 (1.6)	FNDC4 (1.6)	TBKBP1 (1.5)
ENSG00000244861 (1	ENSG00000235545 (1	C19orf52 (1.2)	MAU2 (1.2)	RAB3GAP1 (1.1)
NCAN (2.4)	ABO (1.8)	FNDC4 (1.5)	PMFBP1 (1.5)	HAPLN4 (1.5)
PSMA5 (1.9)	LPIN3 (1.8)	IGF2R (1.7)	SPATC1 (1.7)	UBXN4 (1.5)
NCAN (2.7)	AMIGO1 (2.2)	HAPLN4 (2.0)	TBKBP1 (1.9)	COL4A3BP (1.6)
HAPLN4 (2.0)	TXNL4B (1.8)	CYB561D1 (1.8)	C19orf52 (1.5)	ZNF821 (1.3)
CELSR2 (1.9)	TRIM54 (1.8)	GPR61 (1.6)	ENSG00000235545 (1	NPEPPS (1.5)

LPL (2.0)	NCAN (2.0)	AMIGO1 (1.6)	CELSR2 (1.5)	PMFBP1 (1.3)
TBKBP1 (1.2)	ENSG00000182329 (1	MAU2 (1.2)	SYPL2 (1.1)	GSTM4 (1.1)
KANK2 (1.6)	IZUMO1 (1.5)	ENSG00000236267 (1	DOCK6 (1.5)	FER1L4 (1.5)
NCAN (1.3)	C11orf9 (1.1)	ENSG00000231204 (1	MYLIP (1.1)	ATP13A1 (1.0)
SLC22A2 (1.7)	ENSG00000226645 (1	PMFBP1 (1.5)	HAVCR1 (1.5)	GSTM5 (1.4)
GPR61 (2.3)	CELSR2 (2.0)	ENSG00000226648 (1	YSK4 (1.6)	C11orf9 (1.6)
YSK4 (2.0)	AMIGO1 (1.9)	ZHX3 (1.7)	IFT172 (1.4)	SLC22A2 (1.2)
C19orf52 (2.0)	ENSG00000236436 (1	SPATC1 (1.7)	PSRC1 (1.7)	USP1 (1.6)
MCM6 (3.0)	CEP250 (2.2)	ENSG00000231204 (1	PSRC1 (1.9)	SPATC1 (1.6)
DOCK7 (1.6)	ENSG00000236436 (1	C17orf57 (1.3)	FUT2 (1.3)	ENSG00000235545 (1
C19orf52 (1.8)	KRTCAP3 (1.6)	ATXN1L (1.5)	ZNF821 (1.5)	FUT2 (1.4)
CYB561D1 (2.4)	GPR61 (2.2)	R3HDM1 (2.0)	HAPLN4 (2.0)	CELSR2 (1.9)
PSRC1 (2.3)	SUMO1 (2.3)	IST1 (2.1)	POC5 (2.1)	ZRANB3 (2.0)
YSK4 (2.4)	ENSG00000235545 (2	C17orf57 (1.9)	ENSG00000231204 (1	NCAN (1.9)
RAB3GAP1 (1.4)	ENSG00000235545 (1	ENSG00000182329 (1	IFT172 (1.2)	C19orf52 (1.0)
CYB561D1 (1.7)	IFT172 (1.6)	ENSG00000244861 (1	ENSG00000236267 (1	CEP250 (1.6)
ENSG00000236267 (2	ENSG00000231204 (2	HAPLN4 (1.9)	ENSG00000226648 (1	ABCA5 (1.6)
SMARCA4 (2.6)	LCT (2.1)	CEP250 (2.1)	ENSG00000228044 (1	ENSG00000236436 (1
ZHX3 (2.0)	GNAI3 (1.9)	TSSK6 (1.8)	ATXN7L2 (1.5)	SORT1 (1.3)
GPR61 (2.3)	BMPR2 (2.0)	C11orf9 (2.0)	SPATC1 (1.7)	FNDC4 (1.4)
GPR61 (2.3)	BMPR2 (2.0)	C11orf9 (2.0)	SPATC1 (1.7)	FNDC4 (1.4)
GSTM5 (1.5)	EHBP1 (1.4)	TBKBP1 (1.4)	GNAT2 (1.3)	GRINA (1.3)
GSTM5 (1.5)	EHBP1 (1.4)	TBKBP1 (1.4)	GNAT2 (1.3)	GRINA (1.3)
SUMO1 (2.5)	ABCA5 (2.4)	USP24 (2.0)	MAU2 (1.8)	LPIN3 (1.5)
TBKBP1 (1.7)	SARS (1.7)	NRBP1 (1.7)	PGS1 (1.7)	ENSG00000236267 (1
R3HDM1 (2.0)	AMIGO1 (1.8)	TBKBP1 (1.4)	MAMSTR (1.4)	ENSG00000182329 (1
NCAN (2.2)	YSK4 (2.1)	LCT (1.9)	ENSG00000235545 (1	C17orf57 (1.7)
TBKBP1 (2.1)	CELSR2 (2.0)	SORT1 (1.7)	AMPD2 (1.7)	GSTM4 (1.7)
R3HDM1 (1.6)	MAMSTR (1.6)	GSTM5 (1.6)	CYB561D1 (1.5)	HAVCR1 (1.3)
OASL (1.9)	FUT2 (1.7)	YSK4 (1.6)	PMFBP1 (1.5)	SYPL2 (1.4)
C11orf9 (1.8)	NCAN (1.8)	AMIGO1 (1.6)	R3HDM1 (1.5)	BMPR2 (1.5)
ENSG00000236436 (1	PSRC1 (1.8)	ENSG00000226648 (1	USP1 (1.6)	R3HDM1 (1.6)
POLK (1.7)	GNAI3 (1.6)	RAB3GAP1 (1.5)	DOCK7 (1.4)	ENSG00000226622 (1
ATP13A1 (2.1)	POLK (1.6)	ENSG00000236267 (1	TXNL4B (1.5)	ENSG00000244861 (1
FER1L4 (1.5)	LIPG (1.4)	SLC22A3 (1.3)	CILP2 (1.3)	LPAL2 (1.2)
FUT2 (1.8)	NCAN (1.8)	GPR61 (1.7)	SORT1 (1.7)	RAB3GAP1 (1.4)
ENSG00000231204 (1	ST3GAL4 (1.8)	YIPF2 (1.7)	FER1L4 (1.5)	LPIN3 (1.4)
CEP250 (1.8)	ZNF513 (1.7)	ENSG00000226648 (1	LPAL2 (1.7)	MAU2 (1.5)
HNF1A (2.1)	CILP2 (2.1)	FUT1 (1.7)	PMFBP1 (1.7)	ZHX3 (1.6)
ZNF821 (1.9)	ATXN1L (1.8)	YIPF2 (1.4)	GNAI3 (1.3)	MAMSTR (1.2)
C11orf9 (2.0)	GPR61 (1.9)	SORT1 (1.8)	OTX1 (1.8)	TBKBP1 (1.7)
IFT172 (1.4)	ENSG00000182329 (1	C19orf52 (1.3)	RAB3GAP1 (1.2)	ENSG00000235545 (1
IFT172 (1.4)	ENSG00000182329 (1	C19orf52 (1.3)	RAB3GAP1 (1.2)	ENSG00000235545 (1
ENSG00000182329 (2	GSTM5 (2.0)	KRTCAP3 (1.8)	TBKBP1 (1.8)	ABO (1.6)
CYB561D1 (2.0)	NCAN (2.0)	FUT2 (2.0)	CELSR2 (1.9)	GPR61 (1.9)
GRINA (2.3)	IZUMO1 (2.1)	SORT1 (2.0)	COL4A3BP (2.0)	ENSG00000244861 (1
GRINA (2.3)	IZUMO1 (2.1)	SORT1 (2.0)	COL4A3BP (2.0)	ENSG00000244861 (1
ENSG00000226648 (1	RAB3GAP1 (1.5)	CYB561D1 (1.4)	TXNL4B (1.4)	FNDC4 (1.3)
ENSG00000236267 (1	PBX4 (1.6)	MAMSTR (1.5)	TXNL4B (1.4)	IFT172 (1.2)
IZUMO1 (1.8)	OTX1 (1.7)	CILP2 (1.7)	FUT1 (1.6)	HNF1A (1.6)

NCAN (1.7)	DNAH11 (1.7)	GSTM5 (1.5)	GPR61 (1.5)	FER1L4 (1.5)
MAMSTR (1.9)	SORT1 (1.7)	RP1 (1.7)	NCAN (1.6)	FUT1 (1.6)
MAMSTR (1.9)	SORT1 (1.7)	RP1 (1.7)	NCAN (1.6)	FUT1 (1.6)
HAPLN4 (1.7)	GPR61 (1.6)	TBKBP1 (1.4)	GSTM5 (1.4)	BMPR2 (1.1)
HNF1A (1.8)	KRTCAP3 (1.7)	CELSR2 (1.7)	ENSG00000226806 (1	ZNF821 (1.4)
DOCK7 (1.8)	SUMO1 (1.8)	POC5 (1.6)	IZUMO1 (1.6)	ENSG00000235545 (1
RP1 (2.1)	NCAN (1.9)	AMIGO1 (1.8)	FUT1 (1.8)	ENSG00000256731 (1
YSK4 (1.5)	ENSG00000226648 (1	HAPLN4 (1.4)	SORT1 (1.3)	GPR61 (1.3)
PBX4 (2.2)	CETP (2.2)	LPAL2 (2.2)	CYB561D1 (2.1)	FNDC4 (1.8)
SORT1 (2.1)	ENSG00000226645 (2	EHBP1 (1.7)	ABCA1 (1.5)	LCT (1.5)
COL4A3BP (1.4)	LPAR2 (1.4)	R3HDM1 (1.3)	ENSG00000235545 (1	GATAD2A (1.3)
SUGP1 (1.7)	RAB3GAP1 (1.7)	C19orf52 (1.6)	HAPLN4 (1.5)	UBXN4 (1.4)
NOP58 (1.8)	ENSG00000244861 (1	MAU2 (1.7)	GPR61 (1.6)	ABCA5 (1.5)
RP1 (2.0)	MAMSTR (1.9)	CYB561D1 (1.8)	FUT1 (1.7)	TRIM54 (1.7)
C11orf9 (2.1)	GNAI3 (2.1)	RAB3GAP1 (1.9)	NCAN (1.9)	NRBP1 (1.7)
DOCK7 (2.2)	DARS (1.9)	ZNF259 (1.5)	SUMO1 (1.5)	ENSG00000226806 (1
R3HDM1 (1.9)	C17orf57 (1.7)	ZRANB3 (1.4)	SMARCA4 (1.3)	MAMSTR (1.3)
AMIGO1 (2.1)	TBKBP1 (2.0)	PMFBP1 (1.9)	HAPLN4 (1.7)	ENSG00000226806 (1
IFT172 (2.3)	UBXN4 (2.2)	GNAI3 (2.2)	PMFBP1 (2.1)	SARS (1.9)
ENSG00000226648 (1	ENSG00000231204 (1	NCAN (1.8)	TBKBP1 (1.4)	R3HDM1 (1.4)
ZRANB3 (1.9)	ENSG00000236267 (1	C12orf43 (1.2)	LPIN3 (1.2)	ZHX3 (1.1)
SARS (2.0)	MAU2 (1.9)	SUMO1 (1.9)	USP24 (1.8)	ZNF513 (1.6)
HAPLN4 (2.1)	SLC22A2 (2.0)	RP1 (2.0)	AMIGO1 (1.8)	MAMSTR (1.6)
HAPLN4 (2.1)	SLC22A2 (2.0)	RP1 (2.0)	AMIGO1 (1.8)	MAMSTR (1.6)
LCT (1.6)	CELSR2 (1.6)	ENSG00000226806 (1	R3HDM1 (1.5)	TXNL4B (1.4)
DOCK7 (1.7)	MAU2 (1.6)	C12orf43 (1.5)	ENSG00000256731 (1	SUGP1 (1.3)
COL4A3BP (1.9)	TXNL4B (1.8)	EHBP1 (1.7)	IFT172 (1.7)	PBX4 (1.7)
CYB561D1 (2.0)	AMIGO1 (2.0)	MAMSTR (1.9)	ENSG00000231204 (1	SORT1 (1.7)
AMIGO1 (1.7)	YIPF2 (1.4)	ZNF821 (1.4)	C19orf52 (1.3)	PMFBP1 (1.3)
ENSG00000226648 (1	CEP250 (1.9)	POLK (1.7)	MAP3K4 (1.7)	C17orf57 (1.7)
C11orf9 (2.1)	RAB3GAP1 (1.9)	FNDC4 (1.8)	TSSK6 (1.8)	ABO (1.6)
POLK (1.6)	MAMSTR (1.4)	HAVCR1 (1.4)	KPNB1 (1.3)	MCM6 (1.2)
POLK (1.6)	MAMSTR (1.4)	HAVCR1 (1.4)	KPNB1 (1.3)	MCM6 (1.2)
HAPLN4 (2.2)	RP1 (2.1)	SLC22A2 (1.9)	MAMSTR (1.8)	AMIGO1 (1.8)
ZNF513 (2.0)	MAU2 (1.9)	IST1 (1.8)	SPATC1 (1.8)	IZUMO1 (1.8)
FNDC4 (1.8)	ENSG00000254235 (1	KRTCAP3 (1.6)	ZHX3 (1.5)	AMIGO1 (1.4)
FNDC4 (1.6)	AMIGO1 (1.6)	GPR61 (1.5)	C12orf43 (1.4)	CELSR2 (1.4)
CELSR2 (2.3)	AMPD2 (2.3)	TBKBP1 (1.9)	AMIGO1 (1.6)	FNDC4 (1.6)
AMIGO1 (1.9)	FNDC4 (1.8)	R3HDM1 (1.5)	CELSR2 (1.4)	EHBP1 (1.4)
TBKBP1 (1.9)	SPATC1 (1.9)	GPR61 (1.7)	HAPLN4 (1.7)	MAMSTR (1.3)
SNX17 (2.0)	SORT1 (1.9)	HNF1A (1.7)	NRBP1 (1.7)	SARS (1.5)
CELSR2 (2.3)	PLCG1 (1.8)	ENSG00000182329 (1	PBX4 (1.7)	ENSG00000226806 (1
FUT1 (1.3)	ENSG00000256731 (1	HNF1A (1.3)	HAPLN4 (1.2)	SLC22A3 (1.2)
SLC22A3 (2.1)	CYB561D1 (2.1)	SLC22A2 (2.1)	HAPLN4 (2.1)	IZUMO1 (2.0)
SLC22A3 (2.1)	CYB561D1 (2.1)	SLC22A2 (2.1)	HAPLN4 (2.1)	IZUMO1 (2.0)
SORT1 (2.2)	RP1 (2.0)	MAMSTR (1.8)	AMIGO1 (1.8)	SLC22A2 (1.7)
HAPLN4 (2.5)	R3HDM1 (2.2)	AMIGO1 (2.0)	TBKBP1 (1.7)	SORT1 (1.7)
COL4A3BP (2.3)	ENSG00000231204 (2	POLK (1.9)	FER1L4 (1.7)	HAPLN4 (1.6)
ENSG00000226648 (1	ENSG00000226622 (1	ENSG00000226645 (1	SLC22A2 (1.0)	SLC22A3 (1.0)
GNAI3 (1.5)	ZNF513 (1.5)	ABCA5 (1.3)	C19orf52 (1.3)	ENSG00000244861 (1

AMIGO1 (2.3)	HAPLN4 (2.2)	R3HDM1 (2.1)	FNDC4 (1.7)	SORT1 (1.6)
TXNL4B (1.9)	LPIN3 (1.6)	SPATC1 (1.5)	ZHX3 (1.2)	KRTCAP3 (1.2)
TBKBP1 (1.9)	GPR61 (1.9)	AMIGO1 (1.7)	CELSR2 (1.7)	OTX1 (1.4)
RAB3GAP1 (2.0)	SORT1 (2.0)	CYB561D1 (1.7)	NPEPPS (1.7)	YIPF2 (1.7)
CELSR2 (2.0)	TBKBP1 (1.9)	GSTM5 (1.4)	SORT1 (1.3)	R3HDM1 (1.2)
CELSR2 (1.5)	ZHX3 (1.5)	PBX4 (1.5)	GPR61 (1.3)	ENSG00000254235 (1
SORT1 (2.5)	CYB561D1 (2.2)	RAB3GAP1 (1.9)	GOT2P1 (1.8)	ENSG00000182329 (1
FUT2 (1.6)	LPIN3 (1.6)	MAMSTR (1.3)	DOCK7 (1.1)	CYB561D1 (1.0)
ENSG00000226645 (1	BCAM (1.6)	AMIGO1 (1.5)	TRIM54 (1.5)	SORT1 (1.3)
SORT1 (2.1)	MAMSTR (2.1)	CYB561D1 (2.0)	FGF21 (1.8)	RP1 (1.7)
SPATC1 (2.1)	HAVCR1 (2.0)	AMIGO1 (1.9)	PBX4 (1.8)	IZUMO1 (1.5)
POC5 (2.2)	IZUMO1 (1.9)	PMFBP1 (1.7)	CEP250 (1.5)	USP1 (1.2)
SORT1 (2.1)	GPR61 (2.1)	ENSG00000231204 (1	SLC22A2 (1.8)	R3HDM1 (1.7)
R3HDM1 (1.7)	ZHX3 (1.7)	ENSG00000231204 (1	AMPD2 (1.4)	CILP2 (1.4)
AMIGO1 (2.3)	ENSG00000182329 (2	SLC22A2 (2.0)	ENSG00000256731 (1	FUT2 (1.9)
YSK4 (1.9)	LPAR2 (1.7)	ENSG00000182329 (1	GDF5 (1.4)	C12orf43 (1.4)
AMIGO1 (2.0)	CYB561D1 (1.9)	NCAN (1.9)	R3HDM1 (1.8)	MAMSTR (1.7)
AMIGO1 (2.0)	CYB561D1 (1.9)	NCAN (1.9)	R3HDM1 (1.8)	MAMSTR (1.7)
MAMSTR (1.9)	SORT1 (1.9)	RP1 (1.8)	AMIGO1 (1.7)	SYPL2 (1.3)
SORT1 (2.4)	CELSR2 (2.2)	AMIGO1 (2.1)	FUT2 (2.1)	NCAN (2.1)
R3HDM1 (1.8)	NCAN (1.8)	SORT1 (1.8)	AMIGO1 (1.7)	CELSR2 (1.7)
SORT1 (2.1)	LCT (1.6)	AMIGO1 (1.5)	CELSR2 (1.5)	TRIM54 (1.5)
SORT1 (2.3)	SLC22A2 (2.0)	GPR61 (1.7)	HAVCR1 (1.6)	ENSG00000231204 (1
SORT1 (2.3)	SLC22A2 (2.0)	GPR61 (1.7)	HAVCR1 (1.6)	ENSG00000231204 (1
SORT1 (2.4)	CELSR2 (2.3)	AMIGO1 (1.9)	ENSG00000256731 (1	NCAN (1.6)

False-discovery rates (FDR) are

Reconstituted gene set Z score gene 9	Reconstituted gene set Z score gene 10
APOC1 (3.1)	SLC22A1 (2.9)
APOC4 (4.5)	GCKR (4.4)
SLC22A1 (1.9)	HP (1.7)
TM6SF2 (5.4)	APOC4 (4.8)
GDF5 (1.8)	LIPG (1.8)
APOC1 (3.0)	ABCG8 (3.0)
LPAL2 (4.2)	C19orf80 (4.1)
APOE (2.8)	IGF2R (2.8)
APOA5 (4.7)	LIPC (4.3)
HNF4A (4.5)	HP (4.5)
LCT (5.2)	PLG (4.9)
CLPTM1 (2.4)	GATAD2A (2.2)
LIPG (1.7)	MAFB (1.6)
APOA4 (5.5)	C19orf80 (5.2)
APOA4 (5.5)	C19orf80 (5.2)
APOC3 (2.6)	SLC44A2 (2.5)
APOA5 (4.1)	TIMD4 (3.7)
APOA4 (4.2)	LPA (3.7)
ABCG8 (5.9)	LDLR (5.9)
APOC4 (3.4)	APOC1 (3.2)
APOC3 (4.6)	TM6SF2 (4.6)
KANK2 (1.9)	CYP26A1 (1.9)
ABCG5 (4.1)	APOC4 (4.1)
TM6SF2 (4.6)	HNF4A (4.6)
ANGPTL3 (4.6)	APOA4 (4.5)
ANGPTL3 (4.6)	APOA4 (4.5)
GPAM (2.8)	ANGPTL3 (2.6)
LIPC (5.0)	APOC4 (4.5)
GCKR (5.8)	ANGPTL3 (5.8)
APOC4 (5.0)	GCKR (4.9)
NFE2L3 (2.8)	PLG (2.7)
LIPC (3.2)	APOA5 (3.2)
APOC3 (3.3)	ABCG8 (3.3)
PCSK9 (2.2)	ERGIC3 (2.1)
APOC4 (4.1)	GCKR (4.1)
LPL (3.5)	GCKR (3.1)
APOC4 (4.3)	ANGPTL3 (3.9)
APOC4 (4.3)	ANGPTL3 (3.9)
GCKR (4.6)	APOC3 (4.6)
APOA5 (4.4)	TIMD4 (4.3)
PVR (1.7)	TRAM2 (1.7)
C19orf80 (5.6)	SLC22A1 (5.5)
APOC1 (3.8)	ANGPTL3 (3.8)

C19orf80 (4.2)	GCKR (4.0)
ANGPTL3 (3.5)	GCKR (3.4)
APOA5 (5.1)	LIPC (4.9)
HMGCR (2.6)	COL4A3BP (2.0)
GCKR (3.8)	APOC4 (3.7)
APOC4 (4.0)	GCKR (3.9)
LPIN3 (2.5)	APOB (2.4)
LIPC (2.2)	APOA5 (2.2)
LIPC (3.3)	PLG (3.2)
ABCG8 (2.4)	APOA5 (2.3)
APOE (4.0)	PLG (3.8)
GRINA (1.6)	CLPTM1 (1.5)
USP24 (2.4)	DHODH (2.3)
GCKR (2.1)	GRINA (2.0)
KANK2 (2.3)	FNDC4 (2.3)
GCKR (3.3)	LPA (3.3)
SLC22A1 (4.7)	APOB (4.3)
SPATC1 (2.2)	PCSK9 (2.1)
APOC1 (3.8)	FNDC4 (3.7)
LIPC (3.0)	HP (3.0)
FADS2 (1.7)	TM6SF2 (1.7)
ABCG5 (3.7)	FADS2 (3.7)
APOC3 (3.4)	APOB (3.3)
PPM1G (2.4)	C12orf43 (2.4)
APOB (4.3)	HP (3.9)
HP (3.1)	LIPC (3.1)
TM6SF2 (3.6)	LDLR (3.5)
GCKR (3.7)	ABCG8 (3.6)
ENSG00000235545 (2	LPAL2 (2.4)
APOC3 (5.0)	C19orf80 (4.9)
LIPC (4.4)	ABCA6 (4.4)
FER1L4 (2.2)	TRAM2 (2.2)
SLC22A1 (3.5)	APOB (3.3)
TM6SF2 (3.6)	ABCG8 (3.3)
FADS2 (4.3)	APOA5 (4.0)
LIPC (3.6)	LPIN3 (3.3)
LCT (3.0)	TRIB1 (2.8)
ENSG00000254235 (2	ATP13A1 (2.2)
MAP3K4 (2.1)	PVR (2.0)
APOB (2.8)	C19orf80 (2.7)
LIPC (2.6)	CYP26A1 (2.6)
APOC4 (3.9)	APOA5 (3.7)
KRTCAP3 (1.6)	PVRL2 (1.6)
APOA5 (3.9)	LPA (3.7)
ABCA1 (4.7)	APOC4 (4.3)
COL4A3BP (3.2)	APOA5 (3.1)
APOE (2.6)	SLC22A1 (2.6)
APOC1 (2.6)	APOC3 (2.4)
PLG (4.4)	GCKR (4.4)
LIPG (4.3)	TM6SF2 (4.2)

HMGCR (4.1)	GCKR (4.1)
LIPG (2.7)	LPA (2.5)
HP (4.4)	C19orf80 (4.1)
GCKR (4.5)	PLG (4.4)
LCT (5.0)	HNF4A (4.9)
GCKR (4.0)	SLC22A1 (3.8)
C19orf80 (4.3)	APOE (4.1)
GCKR (4.1)	ABCG5 (3.7)
GPAM (4.2)	TM6SF2 (4.0)
FADS1 (2.0)	LDLR (2.0)
PGS1 (1.8)	GOT2P1 (1.8)
SLC22A1 (4.4)	APOC3 (4.3)
ABCA1 (4.7)	TM6SF2 (4.6)
GCKR (3.4)	APOC4 (3.3)
ABCG8 (4.1)	LPAL2 (3.8)
ABCG8 (2.9)	GCKR (2.9)
HP (4.1)	ABCG5 (3.9)
HNF1A (2.6)	BCAM (2.6)
C19orf80 (3.8)	APOB (3.7)
APOC1 (3.3)	C19orf80 (3.2)
APOA5 (3.6)	TIMD4 (3.1)
APOA5 (3.5)	C19orf80 (3.1)
ANGPTL3 (4.2)	LPAL2 (3.8)
NPEPPS (2.0)	LDLR (2.0)
ANGPTL3 (2.5)	APOE (2.5)
TOP1 (2.8)	CARM1 (2.7)
APOC1 (4.1)	GCKR (3.5)
DOCK7 (2.2)	ATXN1L (2.2)
TIMD4 (1.9)	FADS1 (1.8)
ABCA1 (2.2)	RASIP1 (2.0)
HP (5.4)	HNF4A (5.3)
HP (5.4)	HNF4A (5.3)
PLG (3.4)	MAFB (3.2)
PCSK9 (1.8)	LPIN3 (1.7)
LIPC (3.5)	APOC1 (3.4)
LIPC (3.5)	APOC1 (3.4)
GSTM5 (1.8)	APOE (1.8)
TM6SF2 (3.6)	GPAM (3.5)
LPAL2 (2.1)	TRAM2 (2.0)
APOC4 (3.4)	PLG (3.3)
APOC4 (3.4)	PLG (3.3)
LIPC (2.8)	APOA5 (2.6)
C12orf43 (1.8)	GOT2P1 (1.6)
KRTCAP3 (1.7)	DOCK6 (1.6)
GCKR (4.7)	C19orf80 (4.6)
OASL (1.6)	SLC22A3 (1.6)
GCKR (3.0)	PLG (3.0)
APOC4 (3.2)	ABCA1 (3.1)
PPM1G (2.6)	SUGP1 (2.6)
TRIB1 (2.3)	APOE (2.3)

BMPR2 (3.0)	TRAM2 (2.8)
SLC22A1 (5.5)	APOC1 (5.4)
LIPC (2.8)	C19orf80 (2.7)
GCKR (4.3)	LIPC (4.2)
AMIGO1 (2.1)	GSTM4 (2.0)
LPA (3.0)	HNF4A (2.9)
C19orf80 (3.6)	APOC4 (3.5)
FUT1 (2.3)	SPATC1 (2.0)
FGF21 (2.1)	PCSK9 (2.0)
ABCG5 (2.9)	APOA4 (2.9)
GCKR (2.8)	OBP2B (2.4)
APOE (1.6)	ENSG00000231204 (1
NYNRIN (2.0)	FUT2 (1.9)
SARS (2.9)	LPAL2 (2.5)
GPAM (4.7)	PCSK9 (4.1)
BCAM (2.0)	GSTM4 (1.9)
C19orf80 (4.4)	SLC22A1 (3.9)
HNF4A (1.4)	TXNL4B (1.4)
SLC22A3 (3.0)	SLC22A1 (3.0)
GCKR (2.6)	OBP2B (2.4)
SLC22A1 (3.9)	GCKR (3.6)
MAP3K4 (2.3)	LIPG (2.2)
HNF4A (2.5)	GCKR (2.3)
ABCG5 (1.7)	FUT1 (1.7)
PSMA5 (3.2)	ABCG5 (3.0)
ABCA1 (3.0)	ANGPTL3 (2.9)
C19orf80 (2.2)	CBLC (2.2)
PLG (4.2)	APOB (4.1)
PARP10 (2.2)	IZUMO1 (2.1)
OBP2B (2.1)	TIMD4 (2.0)
ENSG00000236267 (2	CEP250 (2.1)
PLEC (2.3)	KANK2 (2.2)
ABCG5 (2.9)	APOE (2.8)
ENSG00000244861 (1	CLPTM1 (1.7)
APOA4 (4.5)	APOC4 (4.4)
APOA4 (4.5)	APOC4 (4.4)
HP (3.7)	APOB (3.5)
ERGIC3 (2.1)	APOA5 (2.0)
MAP3K4 (2.0)	CARM1 (1.9)
SLC22A1 (3.7)	TM6SF2 (3.5)
ABO (3.9)	APOA5 (3.8)
PLEC (2.0)	NRBP1 (2.0)
APOC3 (3.0)	APOB (2.9)
DOCK6 (2.1)	OTX1 (1.8)
GCKR (2.4)	FUT1 (2.4)
APOE (3.3)	ABCG5 (3.0)
APOC3 (3.0)	APOB (2.9)
APOE (3.9)	APOC1 (3.7)
ANGPTL3 (3.3)	APOC4 (3.3)
FADS2 (2.6)	ABCA1 (2.5)

ABCA6 (1.9)	ABCA1 (1.9)
APOA5 (5.0)	APOC1 (4.7)
APOB (2.4)	ST3GAL4 (2.4)
C19orf80 (2.1)	PCSK9 (2.0)
APOC4 (3.2)	PLG (3.2)
MAFB (2.4)	C19orf80 (2.1)
TM6SF2 (2.4)	USP1 (2.3)
APOA5 (3.6)	HNF4A (3.5)
APOA4 (2.2)	TRIB1 (2.1)
ABCA5 (2.2)	ENSG00000182329 (2
DHODH (2.4)	HP (2.3)
SLC22A1 (4.0)	TIMD4 (3.6)
GCKR (4.2)	APOC1 (4.2)
LCT (2.4)	SORT1 (2.3)
HNF4A (4.6)	C19orf80 (4.5)
CETP (4.2)	GCKR (3.9)
HNF4A (4.2)	LIPC (4.1)
SLC22A1 (3.4)	APOC4 (3.3)
SLC22A1 (3.4)	APOC4 (3.3)
HP (4.3)	HNF4A (3.8)
CLPTM1 (2.2)	IGF2R (2.2)
FADS1 (2.4)	APOC1 (2.3)
APOC4 (4.5)	APOC1 (4.0)
APOA5 (4.0)	HNF4A (3.7)
APOA5 (3.3)	FNDC4 (3.3)
FUT1 (2.7)	GCKR (2.6)
APOA5 (5.7)	APOC1 (5.5)
C17orf57 (2.4)	CETP (2.2)
MYLIP (2.2)	CETP (2.1)
ENSG00000182329 (2	ST3GAL4 (2.1)
APOC1 (2.0)	RELB (1.9)
LDLR (2.0)	ATXN7L2 (2.0)
IFT172 (2.0)	SUGP1 (2.0)
ABCA1 (2.9)	APOA5 (2.9)
BCAM (2.2)	HP (2.2)
GCKR (3.6)	ABCG5 (3.4)
GCKR (3.6)	ABCG5 (3.4)
GDF5 (1.6)	OBP2B (1.5)
C19orf80 (4.4)	APOA4 (4.4)
GCKR (3.8)	ABCG5 (3.7)
SLC22A1 (1.7)	GATAD2A (1.6)
POC5 (2.4)	USP1 (2.3)
APOC3 (3.3)	HP (3.2)
APOA5 (2.4)	APOC4 (2.3)
APOC3 (2.0)	ENSG00000231204 (2
GDF5 (1.6)	PLCG1 (1.5)
GPAM (2.0)	GSTM5 (2.0)
ABCG8 (4.4)	LPA (4.1)
CBLC (1.7)	SLC22A1 (1.7)
LIPG (1.9)	DOCK6 (1.8)

PLG (3.2)	LPAL2 (2.7)
RP1 (2.2)	FUT2 (2.1)
ABCA1 (1.8)	NFE2L3 (1.8)
C19orf80 (2.0)	TRIB1 (1.8)
ABCG8 (4.0)	APOA5 (3.8)
ABCA1 (2.1)	SORT1 (2.1)
C19orf80 (2.6)	FGF21 (2.3)
DHODH (3.6)	APOA5 (3.5)
C12orf43 (2.3)	USP24 (2.2)
GOT2P1 (2.1)	SLC22A1 (2.0)
APOC4 (2.5)	TM6SF2 (2.5)
HNF4A (2.8)	SLC22A1 (2.7)
APOC4 (4.2)	APOC1 (3.7)
APOA5 (4.0)	APOC4 (3.9)
ABCA1 (2.7)	LPL (2.6)
PBX4 (1.8)	APOA5 (1.7)
APOA5 (3.9)	GCKR (3.7)
LIPG (2.1)	ENSG00000236436 (2
C19orf80 (2.1)	APOA4 (2.0)
APOC1 (4.8)	LPL (4.3)
APOC4 (4.0)	APOE (3.9)
APOC4 (4.2)	APOC1 (3.7)
CETP (1.8)	TOP1 (1.8)
C17orf57 (1.8)	BCAM (1.7)
ATXN7L2 (2.3)	SLC22A1 (2.3)
APOA4 (4.9)	C19orf80 (4.6)
APOE (2.1)	APOC4 (2.1)
APOA5 (3.6)	GCKR (3.5)
CETP (1.6)	CEP250 (1.6)
IGF2R (1.8)	YIPF2 (1.7)
DOCK6 (2.0)	C11orf9 (2.0)
APOA4 (2.1)	KRTCAP3 (2.1)
HNF4A (2.5)	LPA (2.5)
GSTM4 (3.1)	ABCG8 (2.8)
SLC22A2 (2.9)	APOC4 (2.9)
GCKR (2.5)	C19orf80 (2.4)
APOC4 (3.2)	APOA5 (3.2)
SLC44A2 (2.4)	PLEC (2.2)
APOC3 (5.1)	GCKR (4.9)
APOC4 (4.1)	C19orf80 (4.1)
LIPG (3.6)	PCSK9 (3.5)
PLG (3.3)	LIPC (2.8)
APOC1 (3.1)	LIPC (3.1)
C19orf80 (2.3)	ST3GAL4 (2.2)
APOA5 (3.6)	MAFB (3.6)
GCKR (4.0)	APOC3 (3.9)
GCKR (2.7)	C19orf80 (2.5)
GCKR (1.8)	SLC22A1 (1.8)
APOA4 (4.1)	C19orf80 (4.0)
FADS2 (2.4)	NRBP1 (2.1)

HP (2.9)	APOC4 (2.8)
APOC1 (4.3)	GCKR (4.1)
APOA4 (4.0)	APOC1 (4.0)
APOA4 (4.0)	APOC1 (4.0)
APOC3 (3.5)	APOB (3.3)
FUT2 (2.0)	GMIP (2.0)
OBP2B (1.9)	MAP3K4 (1.8)
PLG (2.7)	APOB (2.6)
LPAL2 (2.6)	LPA (2.4)
APOA5 (3.7)	HNF4A (3.6)
GCKR (3.8)	APOC3 (3.8)
APOC3 (3.4)	HMGCR (3.4)
LCT (3.1)	GSTM4 (3.0)
APOC4 (4.1)	APOC1 (4.0)
ATP13A1 (1.6)	CELSR2 (1.6)
PLEC (1.9)	DHX38 (1.8)
GCKR (2.5)	LPAL2 (2.4)
TRAM2 (2.0)	APOA4 (2.0)
C19orf80 (2.1)	APOA4 (2.0)
ABCA1 (2.0)	HAVCR1 (1.9)
APOC4 (4.3)	APOC1 (3.9)
ABCG8 (4.5)	LPAL2 (4.1)
APOC1 (4.1)	APOA4 (3.9)
GCKR (1.9)	LPIN3 (1.9)
C19orf80 (2.1)	KANK2 (2.0)
PLG (2.0)	FER1L4 (2.0)
LIPC (4.2)	ABCA6 (4.0)
ABCA1 (3.0)	GSTM4 (2.8)
ANGPTL3 (2.2)	ENSG00000236267 (2
TSSK6 (2.1)	ABCG8 (2.0)
APOC4 (4.0)	C19orf80 (3.9)
SORT1 (1.9)	MYLIP (1.9)
FGF21 (3.0)	SLC22A1 (2.9)
C19orf80 (3.8)	APOC1 (3.7)
ENSG00000236267 (2	KRTCAP3 (2.6)
GCKR (2.5)	FADS1 (2.5)
APOC1 (2.4)	GCKR (2.4)
CLPTM1 (2.4)	SORT1 (2.1)
GCKR (2.5)	RELB (2.4)
IGF2R (1.8)	TRAM2 (1.8)
NYNRIN (2.5)	BMPR2 (2.2)
MAFB (3.6)	APOA5 (3.5)
ABO (2.0)	GOT2P1 (2.0)
ABO (2.0)	GOT2P1 (2.0)
ABO (2.0)	GOT2P1 (2.0)
NFE2L3 (1.7)	LPA (1.7)
SLC22A1 (2.3)	CLPTM1 (2.3)
BCAM (3.5)	PLG (3.3)
APOB (3.2)	HP (3.1)
APOC1 (4.0)	APOA4 (4.0)

CYB561D1 (2.0)	ENSG00000254235 (2
APOC3 (3.8)	GCKR (3.8)
PBX4 (1.5)	ABCA1 (1.4)
YIPF2 (2.0)	LDLR (2.0)
FGF21 (2.5)	HP (2.4)
ABCG8 (4.6)	ANGPTL3 (4.5)
ANGPTL3 (4.2)	C19orf80 (4.0)
NFE2L3 (2.0)	TM6SF2 (2.0)
APOC1 (3.7)	ANGPTL3 (3.6)
APOC4 (3.0)	APOA5 (3.0)
APOC1 (3.8)	C19orf80 (3.8)
LPA (4.1)	SLC22A2 (3.5)
KPNB1 (2.1)	PSMA5 (2.1)
HP (2.2)	LPL (2.2)
MAFB (3.6)	APOA5 (3.4)
C17orf57 (1.9)	ABCA1 (1.8)
LPAR2 (2.0)	ABCG5 (2.0)
ANGPTL3 (2.8)	C19orf80 (2.8)
LIPC (5.2)	C19orf80 (4.9)
APOC4 (4.2)	C19orf80 (4.1)
LPA (2.6)	CETP (2.4)
APOC1 (1.9)	GPAM (1.9)
BCAM (2.3)	LPA (2.3)
APOC1 (3.9)	C19orf80 (3.6)
IFT172 (1.9)	MAP3K4 (1.9)
BMPR2 (2.2)	IGF2R (2.1)
APOC4 (2.2)	HNF1A (2.1)
GPAM (1.9)	CETP (1.9)
PVR (1.4)	PBX4 (1.4)
ENSG00000254235 (2	GDF5 (1.9)
GOT2P1 (2.1)	TOP1 (2.0)
CARM1 (1.7)	MAFB (1.6)
BCAM (2.0)	APOE (1.9)
PCSK9 (2.1)	KANK2 (1.9)
PLG (3.8)	ANGPTL3 (3.7)
ENSG00000236267 (3	ABCA1 (3.0)
SLC44A2 (1.9)	ENSG00000236436 (1
LPL (2.4)	TIMD4 (2.3)
TRAM2 (2.5)	LIPC (2.4)
SORT1 (2.6)	DHODH (2.5)
RASIP1 (1.9)	CELSR2 (1.8)
CILP2 (2.3)	OBP2B (2.3)
APOA4 (2.6)	APOC1 (2.4)
PVRL2 (1.5)	ABCA6 (1.4)
HNF4A (5.2)	C19orf80 (4.8)
APOA4 (4.0)	APOC4 (4.0)
ENSG00000244861 (2	BCAM (2.0)
BCAM (1.6)	DOCK6 (1.6)
RASIP1 (2.0)	PCSK9 (2.0)
AMPD2 (1.9)	APOA4 (1.8)

ABCA5 (2.2)	FER1L4 (2.1)
APOC1 (3.4)	APOC3 (3.3)
GSTM5 (2.3)	LIPC (2.3)
HNF4A (2.8)	ENSG00000236267 (2
C11orf9 (3.0)	APOC4 (2.6)
ABCG5 (1.9)	ABCA5 (1.9)
ABCA5 (2.1)	LPIN3 (1.8)
EHBP1 (1.8)	BUD13 (1.8)
APOE (4.2)	APOC1 (4.2)
PLEC (2.2)	GATAD2A (2.1)
MAFB (1.8)	GATAD2A (1.7)
ATXN7L2 (2.5)	LPL (2.4)
PCSK9 (1.5)	SLC44A2 (1.5)
GCKR (3.4)	ABCG5 (3.3)
C19orf80 (2.3)	APOA5 (2.3)
PPM1G (2.4)	DHODH (2.4)
PLEC (2.1)	SYPL2 (2.0)
C19orf80 (3.0)	HNF4A (2.9)
HNF1A (3.0)	APOC4 (2.7)
COL4A3BP (1.8)	KANK2 (1.8)
HNF4A (2.7)	TM6SF2 (2.5)
ENSG00000236267 (1	TRIB1 (1.8)
GATAD2A (1.5)	PLCG1 (1.4)
DOCK6 (2.1)	ZHX3 (2.0)
OBP2B (1.9)	LPIN3 (1.9)
GCKR (4.6)	APOC3 (4.3)
PVRL2 (1.6)	LIPG (1.5)
FNDC4 (2.2)	ANGPTL3 (2.2)
FNDC4 (2.2)	ANGPTL3 (2.2)
MAU2 (2.1)	TRIB1 (2.1)
ENSG00000231204 (1	TIMD4 (1.7)
RAB3GAP1 (2.1)	NRBP1 (2.1)
RP1 (3.2)	ABCG8 (3.0)
ABCA6 (4.0)	ABCG8 (4.0)
MYLIP (2.2)	BCAM (2.2)
ABCA6 (3.8)	FNDC4 (3.8)
ABCG8 (3.8)	APOA5 (3.6)
HNF4A (1.7)	CEP250 (1.7)
C11orf9 (2.8)	APOC4 (2.7)
FUT2 (2.0)	LCT (2.0)
APOC4 (2.0)	LPIN3 (1.9)
MYLIP (2.2)	NYNRIN (2.1)
ENSG00000236267 (2	GMIP (2.0)
LDLR (3.0)	LPL (2.9)
LPA (1.8)	ERGIC3 (1.7)
IGF2R (2.3)	BMPR2 (2.3)
APOA4 (3.1)	LIPG (3.1)
PLEC (1.8)	ATXN1L (1.8)
PVR (2.3)	LPAR2 (2.2)
ANGPTL3 (3.7)	C19orf80 (3.6)

PVRL2 (1.7)	ABCG8 (1.6)
FER1L4 (1.6)	NUP93 (1.6)
LDLR (3.0)	LPL (2.8)
HP (3.7)	GCKR (3.3)
TM6SF2 (4.2)	PLG (4.2)
APOC4 (2.7)	ANGPTL3 (2.7)
ZRANB3 (1.8)	APOA4 (1.8)
ABCG5 (2.0)	ENSG00000244861 (2
FGF21 (2.2)	LDLR (2.1)
HNF4A (4.9)	C19orf80 (4.9)
LIPC (2.3)	APOC1 (2.3)
SLC22A3 (1.8)	C19orf80 (1.8)
DHX38 (1.8)	DOCK7 (1.6)
APOA5 (3.5)	ANGPTL3 (3.4)
HP (3.9)	APOC4 (3.5)
TOP1 (2.6)	NUP93 (2.5)
APOC1 (2.6)	APOC3 (2.4)
LIPG (2.0)	LPA (2.0)
APOC3 (5.2)	LPAL2 (5.1)
SARS (2.3)	FUT1 (2.1)
ENSG00000182329 (2	DHODH (2.2)
GPAM (2.1)	PCSK9 (2.0)
APOB (4.1)	APOC3 (3.8)
PGS1 (2.5)	LIPG (2.4)
PLCG1 (1.6)	SLC44A2 (1.6)
ABCA6 (2.2)	BCAM (2.0)
ENSG00000226806 (2	KRTCAP3 (2.6)
HP (2.1)	ABCG5 (1.9)
YSK4 (1.7)	TIMD4 (1.6)
HAVCR1 (3.3)	ENSG00000236267 (3
HAVCR1 (3.3)	ENSG00000236267 (3
SORT1 (1.6)	ANGPTL3 (1.5)
C19orf80 (2.9)	APOC1 (2.7)
APOA5 (2.2)	APOA4 (2.1)
C19orf80 (2.7)	APOC3 (2.6)
MAFB (2.0)	TOP1 (1.9)
UBXN4 (2.3)	HMGCR (2.1)
DOCK6 (1.7)	PLEC (1.5)
HNF4A (2.3)	APOC4 (2.1)
APOC1 (2.2)	GSTM5 (2.2)
C19orf80 (3.4)	APOC4 (3.3)
MAFB (1.9)	TRAM2 (1.9)
MAP3K4 (1.7)	LPA (1.7)
HP (2.3)	HNF1A (2.3)
ST3GAL4 (1.9)	PVR (1.8)
GNAI3 (2.8)	SNX17 (2.7)
SARS (2.0)	SNX17 (1.9)
KPNB1 (2.7)	TOP1 (2.6)
ENSG00000254235 (2	DOCK6 (2.2)
GMIP (2.1)	ANGPTL3 (2.1)

CLPTM1 (1.9)	ABCG5 (1.8)
BCAM (1.8)	TRIB1 (1.7)
ENSG00000236436 (1	ENSG00000254235 (1
PCSK9 (1.5)	PVR (1.4)
C19orf80 (3.5)	APOA5 (3.3)
ATXN1L (2.0)	TOP1 (1.9)
OTX1 (2.0)	ENSG00000236436 (1
HNF4A (2.6)	PLG (2.5)
C17orf57 (2.1)	TSSK6 (2.1)
KANK2 (2.2)	PVRL2 (2.1)
TOP1 (2.6)	NUP93 (2.5)
DOCK6 (2.0)	IGF2R (2.0)
BCAM (1.6)	DOCK6 (1.6)
TIMD4 (3.0)	APOC4 (3.0)
HNF4A (2.0)	GOT2P1 (2.0)
OASL (1.6)	DOCK7 (1.4)
HNF4A (2.2)	C19orf80 (2.1)
APOC1 (1.6)	APOC4 (1.5)
APOC1 (3.5)	APOC4 (3.3)
MCM6 (1.8)	ABCA1 (1.7)
LPL (1.6)	SNX17 (1.6)
C19orf80 (2.1)	SLC22A1 (1.9)
GCKR (2.3)	CLPTM1 (2.2)
CETP (2.5)	ST3GAL4 (2.3)
HNF4A (2.4)	DOCK6 (2.1)
LPAL2 (2.3)	PBX4 (2.0)
CEP250 (1.9)	NCAN (1.9)
LDLR (3.2)	LCT (3.0)
FUT2 (3.0)	APOA5 (2.9)
ATXN7L2 (2.2)	MAMSTR (2.1)
AMPD2 (2.1)	APOC4 (2.1)
CELSR2 (2.1)	FER1L4 (2.0)
MAFB (2.0)	KANK2 (2.0)
LDLR (1.9)	HP (1.8)
CETP (2.1)	IFT172 (2.1)
ATP13A1 (2.2)	GATAD2A (1.8)
EHBP1 (1.5)	NPEPPS (1.5)
LCT (2.1)	SORT1 (2.0)
APOC1 (2.1)	ENSG00000226622 (2
APOA5 (4.1)	HP (3.8)
LIPC (3.8)	APOA5 (3.6)
TRAM2 (2.2)	SLC44A2 (2.1)
SARS (2.9)	UBXN4 (2.8)
LCT (3.9)	ABCA5 (3.6)
DHODH (2.5)	TOP1 (2.4)
GCKR (2.9)	APOC1 (2.9)
APOA5 (3.1)	APOB (2.7)
APOA5 (2.2)	HNF1A (2.2)
SLC22A1 (2.8)	C19orf80 (2.7)
RASIP1 (2.1)	C17orf57 (2.0)

NYNRIN (1.8)	PLCG1 (1.8)
LPL (2.9)	APOB (2.9)
LPL (2.9)	APOB (2.9)
MYLIP (1.7)	LPIN3 (1.6)
LDLR (2.0)	TRIB1 (2.0)
FADS2 (2.3)	LDLR (2.2)
ZHX3 (2.1)	AMIGO1 (2.0)
ZHX3 (2.1)	AMIGO1 (2.0)
C19orf80 (2.2)	CETP (2.1)
ST3GAL4 (1.7)	LPA (1.7)
CARM1 (1.8)	SLC44A2 (1.6)
GOT2P1 (2.1)	PVRL2 (2.0)
FGF21 (2.0)	OBP2B (2.0)
KANK2 (2.1)	GATAD2A (1.9)
ATXN1L (2.0)	GATAD2A (1.9)
TM6SF2 (2.2)	GCKR (2.2)
FGF21 (3.2)	ENSG00000182329 (3
ATP13A1 (2.2)	PPM1G (2.1)
MAFB (2.1)	KANK2 (1.9)
GRINA (2.0)	GMIP (1.9)
ST3GAL4 (1.7)	ABCG5 (1.6)
YIPF2 (1.8)	FER1L4 (1.7)
ABCA1 (1.9)	APOC1 (1.8)
AMIGO1 (2.1)	GDF5 (2.0)
ANGPTL3 (2.6)	R3HDM1 (2.5)
ENSG00000182329 (2	HNF1A (2.1)
GSTM4 (2.0)	DHODH (1.9)
HNF4A (2.4)	TIMD4 (2.3)
TOP1 (2.3)	KPNB1 (2.2)
LPL (2.8)	GCKR (2.8)
APOC1 (2.2)	PLG (2.1)
ZNF513 (2.1)	NFE2L3 (2.1)
DHX38 (2.1)	NUP93 (2.1)
R3HDM1 (2.1)	GATAD2A (2.1)
HNF1A (1.3)	CARM1 (1.3)
APOC4 (2.3)	GSTM4 (2.3)
ENSG00000235545 (1	C11orf9 (1.8)
PLG (3.0)	APOC4 (2.9)
C12orf43 (2.5)	SUGP1 (2.1)
APOA5 (3.6)	HP (3.3)
ABCA5 (2.4)	ENSG00000254235 (2
ZNF259 (2.4)	SUGP1 (2.3)
GCKR (4.1)	APOC3 (3.9)
NYNRIN (1.8)	HMGCR (1.7)
BMPR2 (1.6)	RASIP1 (1.5)
FADS2 (2.1)	C19orf80 (2.1)
KANK2 (2.2)	MAFB (2.1)
FGF21 (1.7)	PMFBP1 (1.7)
IFT172 (1.9)	NPEPPS (1.8)
NPEPPS (1.7)	ABCA1 (1.6)

DHX38 (2.1)	AMPD2 (2.0)
FUT1 (1.9)	PGS1 (1.8)
TM6SF2 (4.4)	LPAL2 (4.3)
TRAM2 (1.9)	KPNB1 (1.7)
ENSG00000226806 (1	APOE (1.8)
IZUMO1 (2.1)	FADS1 (2.1)
LPA (3.3)	TM6SF2 (3.2)
NOP58 (2.8)	SMARCA4 (2.6)
C11orf9 (2.1)	TRAM2 (2.1)
ABCA6 (1.8)	CLPTM1 (1.8)
ENSG00000244861 (2	HNF4A (2.4)
AMPD2 (2.3)	SLC44A2 (2.3)
GCKR (2.5)	ENSG00000182329 (2
USP1 (1.8)	C12orf43 (1.8)
CLPTM1 (1.9)	APOC3 (1.9)
ABCA5 (2.7)	GCKR (2.7)
ABCG5 (3.4)	APOC4 (3.3)
ABCG5 (3.4)	APOC4 (3.3)
ABCG5 (3.4)	APOC4 (3.3)
FADS2 (1.5)	FER1L4 (1.5)
PLG (4.1)	LIPC (4.1)
FNDC4 (2.4)	OASL (2.4)
NFE2L3 (2.1)	HNF4A (2.1)
C12orf43 (1.7)	PMFBP1 (1.6)
APOC1 (3.3)	APOA5 (3.2)
FADS2 (2.1)	TM6SF2 (1.9)
PLEC (2.1)	SLC44A2 (2.1)
HAVCR1 (3.3)	APOE (3.2)
HAVCR1 (3.3)	APOE (3.2)
TOMM40 (2.1)	APOB (2.0)
APOC1 (1.9)	HNF4A (1.8)
LPIN3 (1.9)	EHBP1 (1.8)
MCM6 (1.9)	USP24 (1.8)
PLG (4.1)	CYP26A1 (3.9)
LPA (1.7)	NYNRIN (1.6)
KRTCAP3 (2.2)	ENSG00000226645 (2
CYB561D1 (1.8)	TIMD4 (1.5)
APOA4 (1.6)	ABO (1.5)
ENSG00000228044 (1	PARP10 (1.6)
APOA5 (4.2)	ABCA6 (4.1)
ANGPTL3 (2.2)	HP (2.0)
APOC1 (3.9)	HNF4A (3.7)
GSTM4 (2.3)	FGF21 (2.1)
C19orf80 (3.7)	IST1 (3.3)
ENSG00000235545 (1	ENSG00000254235 (1
HNF4A (4.3)	APOC1 (3.6)
ABCA6 (2.2)	ENSG00000228044 (2
SLC22A1 (2.3)	PMFBP1 (2.3)
SNX17 (2.4)	TOP1 (2.3)
SARS (2.7)	PCSK9 (2.5)

PVR (2.4)	GDF5 (2.0)
KANK2 (1.9)	TBKBP1 (1.9)
PPM1G (2.5)	ATP13A1 (2.5)
PCSK9 (2.1)	LDLR (2.0)
C19orf80 (3.5)	APOC1 (3.5)
TRIM54 (2.2)	DOCK7 (2.2)
GPAM (2.0)	SPATC1 (1.9)
PCSK9 (1.7)	FADS1 (1.7)
FEN1 (2.3)	KPNB1 (2.1)
LIPG (1.9)	NYNRIN (1.7)
NCAN (1.9)	APOE (1.8)
SLC22A3 (2.6)	APOC4 (1.9)
ZNF513 (2.2)	ANGPTL3 (2.1)
DHODH (2.6)	DHX38 (2.3)
FUT2 (1.5)	ABCA5 (1.5)
KRTCAP3 (1.9)	DOCK6 (1.9)
TOP1 (2.3)	PPM1G (2.3)
ZRANB3 (2.1)	ENSG00000226648 (2
SPATC1 (1.8)	SLC22A1 (1.7)
NRBP1 (2.0)	AMIGO1 (1.9)
MCM6 (2.3)	SMARCA4 (2.2)
ABCG5 (2.1)	FNDC4 (2.0)
ANGPTL3 (3.0)	C19orf80 (3.0)
HNF4A (1.9)	GSTM5 (1.9)
HNF4A (1.9)	GSTM5 (1.9)
HNF4A (1.9)	GSTM5 (1.9)
HNF4A (1.9)	GSTM5 (1.9)
HNF4A (1.9)	GSTM5 (1.9)
HNF4A (1.9)	GSTM5 (1.9)
TM6SF2 (2.4)	TBKBP1 (2.1)
TM6SF2 (2.4)	TBKBP1 (2.1)
SLC44A2 (2.2)	GCKR (2.1)
GCKR (1.9)	ENSG00000226648 (1
ATXN7L2 (2.3)	DARS (2.2)
DOCK6 (1.8)	USP24 (1.8)
C19orf80 (1.7)	MAFB (1.7)
LPL (1.6)	POLK (1.6)
DHX38 (1.9)	OBP2B (1.8)
COL4A3BP (1.8)	NFE2L3 (1.8)
C12orf43 (2.1)	TOP1 (2.1)
PPM1G (2.4)	KPNB1 (2.4)
ENSG00000235545 (1	TOMM40 (1.9)
C12orf43 (2.1)	GATAD2A (2.1)
FGF21 (2.3)	LPL (2.3)
IGF2R (1.9)	PBX4 (1.8)
HP (2.4)	SARS (2.3)
HP (2.3)	SLC22A1 (2.3)
ENSG00000256731 (1	LIPG (1.8)
ENSG00000254235 (1	PGS1 (1.7)
CARM1 (1.9)	DHX38 (1.8)

PLCG1 (2.1)	GATAD2A (2.0)
APOC1 (1.9)	LPA (1.7)
HP (4.2)	APOC4 (4.1)
DNAH11 (1.6)	LIPG (1.6)
MAFB (1.7)	LPL (1.6)
SLC22A2 (2.0)	LCT (2.0)
SLC22A2 (2.0)	LCT (2.0)
KPNB1 (2.1)	DHX38 (2.0)
PARP10 (1.8)	TIMD4 (1.7)
HAPLN4 (2.2)	LPAL2 (2.1)
NPEPPS (2.2)	NOP58 (2.2)
ATP13A1 (2.5)	PPM1G (2.4)
SLC44A2 (2.4)	PVR (2.2)
GATAD2A (2.2)	C12orf43 (2.1)
PPM1G (2.5)	NFE2L3 (2.5)
LPIN3 (1.5)	KANK2 (1.5)
GSTM4 (2.5)	HP (2.4)
APOC1 (1.9)	TIMD4 (1.7)
APOA5 (3.4)	APOC3 (3.3)
APOC4 (2.0)	TIMD4 (1.9)
RELB (1.6)	TRIB1 (1.6)
HNF1A (1.9)	MAP3K4 (1.7)
DHX38 (2.5)	ATP13A1 (2.0)
MAFB (2.2)	APOA4 (2.0)
SUGP1 (2.2)	PPM1G (2.0)
APOA5 (1.8)	TM6SF2 (1.8)
FER1L4 (1.5)	BCAM (1.4)
GATAD2A (1.9)	HAVCR1 (1.8)
SARS (2.0)	PVR (2.0)
CBLC (1.8)	OTX1 (1.7)
GCKR (2.7)	APOC4 (2.6)
YIPF2 (1.9)	AMIGO1 (1.9)
LPA (2.7)	PCSK9 (2.5)
ST3GAL4 (1.8)	MAFB (1.7)
LIPG (1.9)	APOA4 (1.9)
DHX38 (2.2)	ATP13A1 (2.1)
CETP (2.2)	MAFB (2.2)
NOP58 (2.1)	TOMM40 (2.1)
ZRANB3 (2.1)	ENSG00000226648 (2
GCKR (1.9)	SYPL2 (1.9)
CLPTM1 (2.3)	TSSK6 (2.2)
ABCA1 (2.0)	FUT2 (1.8)
NYNRIN (1.5)	ENSG00000244861 (1
CETP (2.2)	TRIB1 (2.0)
GSTM5 (1.9)	ENSG00000235545 (1
KANK2 (2.2)	RASIP1 (2.0)
KANK2 (1.7)	DOCK7 (1.7)
PLEC (2.1)	CILP2 (2.0)
RASIP1 (1.8)	MYLIP (1.8)
ABCA5 (2.3)	ABCG8 (2.2)

ZNF513 (1.8)	BMPR2 (1.8)
DHODH (2.1)	SLC22A1 (2.1)
MYLIP (2.1)	RAB3GAP1 (2.0)
TRAM2 (2.0)	TBKBP1 (1.9)
TRIB1 (1.4)	PARP10 (1.4)
RELB (2.0)	SNX17 (2.0)
ZHX3 (2.3)	ABCA5 (2.1)
FUT1 (2.0)	LDLR (2.0)
C12orf43 (2.1)	RELB (2.0)
GATAD2A (2.3)	DARS (2.2)
GCKR (1.8)	NCAN (1.7)
MAU2 (1.6)	TRAM2 (1.6)
TSSK6 (2.2)	GPR61 (2.1)
APOA5 (4.1)	APOC3 (4.0)
GPAM (2.3)	ENSG00000254235 (2
GRINA (1.8)	LPIN3 (1.7)
IST1 (3.8)	HP (3.6)
C19orf80 (3.5)	GCKR (3.3)
C19orf80 (3.5)	GCKR (3.3)
CYB561D1 (2.1)	LCT (2.1)
LPIN3 (2.1)	GPAM (1.8)
GNAI3 (2.1)	ATP13A1 (1.8)
ATXN1L (1.5)	CETP (1.4)
APOE (1.9)	MYLIP (1.9)
ENSG00000235545 (2	OASL (2.1)
AMPD2 (1.9)	POC5 (1.8)
FUT2 (1.9)	SLC22A1 (1.7)
LIPG (2.1)	PVRL2 (2.0)
BCAM (1.9)	LPL (1.6)
ANGPTL3 (1.5)	TXNL4B (1.4)
NUP93 (2.9)	DHX38 (2.5)
SLC22A2 (1.8)	ST3GAL4 (1.8)
LPAR2 (1.9)	GATAD2A (1.9)
ATP13A1 (2.6)	C12orf43 (2.6)
MAFB (1.8)	OBP2B (1.8)
APOC1 (3.7)	APOC4 (3.5)
PBX4 (1.4)	TRIB1 (1.4)
ERGIC3 (1.7)	ENSG00000228044 (1
APOC3 (1.6)	LDLR (1.6)
KANK2 (2.1)	FER1L4 (2.1)
ENSG00000236267 (1	POC5 (1.8)
C19orf80 (2.5)	FADS1 (2.4)
SLC22A1 (1.8)	ENSG00000236436 (1
CLPTM1 (1.7)	EHBP1 (1.7)
HP (2.9)	FGF21 (2.8)
TRAM2 (2.0)	KANK2 (1.9)
BMPR2 (1.6)	MYLIP (1.6)
R3HDM1 (1.5)	C11orf9 (1.5)
GMIP (2.1)	ENSG00000231204 (2
TM6SF2 (2.1)	FUT1 (2.1)

NPEPPS (1.9)	PVR (1.8)
ENSG00000244861 (2	ABCG5 (1.9)
IST1 (2.2)	HMGCR (2.1)
SLC22A1 (2.6)	HP (2.5)
HNF1A (2.0)	YIPF2 (1.9)
PVR (1.9)	NYNRIN (1.7)
GNAT2 (3.1)	OBP2B (2.7)
GOT2P1 (1.9)	IZUMO1 (1.8)
GOT2P1 (1.9)	IZUMO1 (1.8)
OTX1 (1.8)	DOCK7 (1.8)
FGF21 (1.3)	KPNB1 (1.2)
LDLR (1.7)	ABCA5 (1.7)
NUP93 (2.2)	DHX38 (2.2)
FUT1 (2.1)	BMPR2 (2.1)
GNAI3 (1.9)	C19orf52 (1.8)
CETP (1.6)	HP (1.5)
APOC1 (2.3)	OASL (1.9)
DNAH11 (1.7)	ENSG00000254235 (1
PLEC (1.9)	SMARCA4 (1.8)
C19orf80 (1.9)	AMPD2 (1.8)
C19orf80 (1.9)	AMPD2 (1.8)
HAVCR1 (3.0)	ENSG00000228044 (2
HAVCR1 (3.0)	ENSG00000228044 (2
HAVCR1 (3.0)	ENSG00000228044 (2
SORT1 (2.7)	GRINA (2.4)
CETP (1.8)	ABCA1 (1.8)
MAFB (2.0)	MYLIP (1.9)
C12orf43 (2.4)	SUGP1 (2.4)
GMIP (2.0)	BMPR2 (1.8)
C11orf9 (1.6)	TIMD4 (1.6)
FGF21 (2.0)	GCKR (1.9)
C19orf80 (3.8)	GNAI3 (3.5)
GSTM5 (1.6)	TRIM54 (1.5)
CYB561D1 (1.8)	TRAM2 (1.8)
KANK2 (1.9)	GATAD2A (1.9)
ENSG00000226806 (1	TIMD4 (1.7)
GNAI3 (1.6)	TIMD4 (1.6)
SLC22A1 (2.7)	GPAM (2.6)
BMPR2 (1.4)	PLEC (1.4)
SUGP1 (2.0)	USP24 (2.0)
HNF4A (3.0)	APOC4 (2.8)
ABCG5 (2.7)	C19orf80 (2.7)
APOC3 (1.9)	LDLR (1.8)
RASIP1 (1.6)	SLC44A2 (1.5)
HP (3.6)	C19orf80 (3.5)
IGF2R (2.0)	SMARCA4 (2.0)
APOA5 (2.4)	ABCG8 (2.2)
YIPF2 (2.0)	PVR (2.0)
HNF4A (1.5)	ERGIC3 (1.4)
BMPR2 (1.9)	KANK2 (1.9)

TOMM40 (2.3)	SUGP1 (2.1)
PLEC (2.2)	PLG (2.1)
GPR61 (2.2)	TSSK6 (2.1)
TOP1 (1.8)	MCM6 (1.8)
ENSG00000256731 (1	ABCA1 (1.9)
HNF4A (2.1)	NYNRIN (2.0)
ST3GAL4 (1.9)	HP (1.8)
ANGPTL3 (4.5)	ABCA6 (4.1)
TRIB1 (1.9)	SLC22A3 (1.9)
IGF2R (1.9)	CELSR2 (1.9)
ABCG5 (2.3)	TSSK6 (2.2)
EHBP1 (1.7)	GNAI3 (1.6)
TM6SF2 (2.3)	SLC22A1 (2.3)
ABCA1 (1.5)	TBKBP1 (1.5)
BMPR2 (2.1)	HP (1.9)
TBKBP1 (1.8)	PLEC (1.8)
GPAM (1.9)	SYPL2 (1.8)
PSMA5 (2.1)	PPM1G (2.0)
CARM1 (1.7)	TOP1 (1.6)
APOA5 (1.9)	ANGPTL3 (1.9)
APOB (1.8)	R3HDM1 (1.8)
GRINA (2.3)	SLC22A1 (2.2)
ATP13A1 (2.5)	TOP1 (2.4)
FNDC4 (1.5)	TRAM2 (1.4)
HAPLN4 (1.9)	ABCA5 (1.8)
C17orf57 (2.2)	KPNB1 (2.0)
SPATC1 (1.8)	ENSG00000254235 (1
ENSG00000228044 (1	GSTM4 (1.8)
APOC4 (2.3)	SLC22A1 (2.2)
UBXN4 (1.9)	NFE2L3 (1.8)
ENSG00000236267 (3	C19orf80 (2.6)
OASL (2.1)	LPL (2.0)
GPAM (2.3)	LPA (2.1)
TRAM2 (1.7)	OBP2B (1.6)
APOC4 (1.9)	PLCG1 (1.9)
TM6SF2 (2.5)	LCT (2.0)
TBKBP1 (1.6)	TM6SF2 (1.6)
GNAT2 (2.0)	LPIN3 (2.0)
SLC22A3 (2.1)	CBLC (1.9)
MAFB (2.2)	FADS1 (1.9)
GCKR (2.5)	LPA (2.4)
ENSG00000244861 (1	SLC22A1 (1.5)
SUGP1 (2.1)	ATP13A1 (2.0)
TBKBP1 (1.6)	PLEC (1.6)
TBKBP1 (2.2)	HNF1A (2.1)
PVRL2 (1.9)	GDF5 (1.9)
BMPR2 (2.1)	CELSR2 (2.1)
RASIP1 (2.0)	FUT1 (2.0)
AMIGO1 (2.0)	AMPD2 (1.9)
ANGPTL3 (2.8)	LPA (2.7)

ANGPTL3 (2.8)	LPA (2.7)
AMPD2 (2.3)	TOP1 (2.3)
HP (3.0)	GPAM (2.8)
ABCA1 (2.0)	BCAM (2.0)
FGF21 (1.7)	ZNF821 (1.7)
TBKBP1 (2.0)	GRINA (1.6)
TOP1 (2.1)	PPM1G (2.0)
GRINA (1.8)	GPR61 (1.8)
KPNB1 (2.6)	ATP13A1 (2.5)
ABCA1 (1.8)	CYP26A1 (1.7)
GNAI3 (1.5)	PVRL2 (1.4)
MAMSTR (1.6)	COL4A3BP (1.6)
APOB (2.3)	TIMD4 (2.3)
DHODH (1.7)	CETP (1.7)
HAVCR1 (2.3)	HNF4A (2.2)
KANK2 (2.2)	RASIP1 (2.2)
MYLIP (2.1)	DOCK6 (2.1)
NFE2L3 (1.9)	LPIN3 (1.8)
C19orf80 (3.2)	LCT (3.1)
BCAM (2.1)	DOCK6 (2.0)
ZNF259 (1.8)	ATP13A1 (1.7)
DHX38 (2.4)	KPNB1 (2.3)
LPL (2.1)	ABCA6 (2.0)
SUGP1 (2.2)	KPNB1 (2.0)
IST1 (1.9)	CLPTM1 (1.8)
APOA4 (2.1)	CETP (2.0)
MAFB (2.3)	CLPTM1 (2.1)
MAFB (2.3)	CLPTM1 (2.1)
SNX17 (2.4)	ERGIC3 (2.4)
DOCK6 (1.9)	LDLR (1.9)
LIPG (1.8)	FADS1 (1.8)
KPNB1 (2.2)	TOMM40 (2.0)
TOMM40 (2.1)	ERGIC3 (2.1)
C12orf43 (2.3)	ATP13A1 (2.3)
PGS1 (2.2)	SORT1 (2.0)
TM6SF2 (1.7)	ENSG00000226648 (1
SUGP1 (2.2)	C12orf43 (2.0)
APOA5 (3.5)	ABCG8 (3.4)
HAVCR1 (1.9)	PARP10 (1.9)
TRAM2 (2.3)	FGF21 (2.2)
TXNL4B (1.6)	ENSG00000228044 (1
ENSG00000228044 (2	SLC22A1 (2.3)
MAMSTR (2.0)	GRINA (1.9)
SLC22A3 (2.1)	APOC1 (2.1)
POLK (1.9)	MAU2 (1.8)
YSK4 (1.9)	DARS (1.7)
APOA5 (1.8)	PLG (1.8)
USP1 (2.2)	ATP13A1 (2.1)
TRAM2 (2.4)	PVR (2.3)
DOCK6 (2.1)	APOA4 (2.0)

ZNF513 (1.7)	APOB (1.6)
DHX38 (2.0)	NPEPPS (2.0)
ATP13A1 (2.1)	DARS (2.1)
HP (2.8)	APOC4 (2.6)
NFE2L3 (1.8)	PLEC (1.6)
AMPD2 (1.6)	ABCA1 (1.5)
CILP2 (1.8)	ANGPTL3 (1.8)
RASIP1 (1.9)	APOE (1.8)
MAFB (1.8)	EHBP1 (1.7)
NFE2L3 (2.1)	TRIB1 (1.9)
ABCA1 (2.5)	GRINA (2.4)
OBP2B (1.7)	APOB (1.6)
FNDC4 (1.9)	ENSG00000228044 (1
DHX38 (2.1)	PPM1G (2.1)
DOCK6 (1.9)	C17orf57 (1.8)
NFE2L3 (2.0)	CLPTM1 (2.0)
APOC4 (3.3)	HNF4A (2.8)
ABCA1 (2.4)	GRINA (2.4)
NYNRIN (2.0)	EHBP1 (2.0)
APOC4 (2.3)	NFE2L3 (2.3)
PPM1G (1.6)	TOMM40 (1.5)
HNF1A (2.0)	ABO (1.9)
ABCG8 (3.0)	ABCG5 (3.0)
DOCK6 (2.5)	ENSG00000235545 (2
ENSG00000236267 (1	ENSG00000228044 (1
TOMM40 (2.2)	NOP58 (2.2)
DHX38 (2.4)	ATP13A1 (2.3)
CILP2 (1.5)	MAMSTR (1.5)
GMIP (2.2)	PVR (1.7)
SUGP1 (2.3)	C12orf43 (2.2)
GATAD2A (1.5)	RAB3GAP1 (1.4)
ABCA5 (1.9)	LCT (1.8)
TOP1 (2.2)	ZRANB3 (2.0)
NYNRIN (2.0)	HNF4A (2.0)
HNF4A (2.1)	ABCA6 (2.0)
C12orf43 (1.4)	PGS1 (1.4)
DHX38 (2.7)	AMPD2 (2.5)
RASIP1 (1.8)	APOE (1.7)
CYB561D1 (2.2)	ZHX3 (1.9)
HNF4A (1.6)	APOC3 (1.5)
CBLC (1.9)	UBXN4 (1.9)
ABCG8 (2.0)	HP (1.9)
C12orf43 (2.6)	SUGP1 (2.5)
TOP1 (2.3)	UBXN4 (2.3)
LPIN3 (2.1)	PLEC (2.0)
GRINA (1.6)	ENSG00000244861 (1
C19orf80 (2.0)	TRIM54 (2.0)
LDLR (2.0)	CILP2 (1.7)
ABCA6 (1.8)	ABCA1 (1.6)
ANGPTL3 (2.1)	TXNL4B (2.0)

ENSG00000182329 (1	GSTM5 (1.9)
SUGP1 (2.1)	PSMA5 (2.0)
ZNF513 (2.0)	SUMO1 (1.9)
TBKBP1 (1.7)	GDF5 (1.6)
GMIP (2.0)	TRIB1 (1.6)
CETP (1.8)	ENSG00000254235 (1
TM6SF2 (2.1)	TBKBP1 (2.0)
TM6SF2 (2.4)	APOA4 (2.4)
ABCG5 (1.4)	GRINA (1.3)
PPM1G (2.3)	SUGP1 (2.3)
PPM1G (2.3)	SUGP1 (2.3)
LPA (3.3)	GSTM4 (2.6)
GNAT2 (3.3)	APOE (3.2)
SORT1 (2.3)	AMIGO1 (2.3)
ABCA6 (2.0)	EHBP1 (2.0)
ABCG5 (1.9)	SYPL2 (1.8)
KANK2 (2.0)	ATXN1L (1.9)
BCAM (2.3)	BMPR2 (2.3)
TOP1 (2.4)	SUGP1 (2.2)
ENSG00000226648 (1	ZRANB3 (1.5)
ZNF513 (1.9)	CYP26A1 (1.8)
MYLIP (1.6)	TM6SF2 (1.6)
POLK (1.9)	C19orf52 (1.8)
FADS2 (2.5)	ATXN7L2 (2.2)
SARS (2.1)	PVR (2.0)
CEP250 (1.8)	KANK2 (1.7)
LIPC (2.0)	ENSG00000244861 (1
IGF2R (2.0)	KANK2 (2.0)
IGF2R (1.9)	PGS1 (1.8)
POC5 (2.2)	MAMSTR (2.2)
PPM1G (2.2)	SUGP1 (2.1)
GDF5 (2.1)	MYLIP (2.0)
SARS (2.3)	KPNB1 (2.2)
ST3GAL4 (2.0)	ABCG8 (2.0)
ENSG00000235545 (1	SPATC1 (1.5)
APOA5 (2.3)	TIMD4 (2.3)
MAFB (1.8)	KANK2 (1.8)
LPAR2 (1.7)	ENSG00000236267 (1
GDF5 (2.2)	MAU2 (2.1)
ATXN1L (1.8)	ENSG00000254235 (1
CEP250 (1.7)	TRIB1 (1.7)
TRIM54 (2.1)	HMGCR (2.1)
SUGP1 (2.0)	DHX38 (2.0)
ANGPTL3 (2.7)	C17orf57 (2.7)
PGS1 (2.1)	TM6SF2 (2.1)
APOE (2.3)	APOC3 (2.3)
ENSG00000182329 (1	APOB (1.7)
RASIP1 (1.7)	BMPR2 (1.6)
APOA5 (3.1)	HP (3.0)
SLC44A2 (2.0)	ENSG00000244861 (1

ABCG8 (2.0)	APOA4 (1.9)
LPAR2 (1.6)	ABCA1 (1.6)
RELB (1.9)	CARM1 (1.8)
MAFB (1.8)	ENSG00000235545 (1
IZUMO1 (1.7)	ENSG00000235545 (1
TIMD4 (1.5)	SPATC1 (1.4)
ABCA1 (2.1)	YSK4 (1.9)
APOA4 (1.7)	LPIN3 (1.7)
RELB (1.7)	PLG (1.7)
DHX38 (2.3)	TOP1 (2.2)
MAFB (1.7)	BCAM (1.7)
GSTM5 (1.6)	LPAL2 (1.6)
USP24 (2.0)	TBKBP1 (1.8)
HP (2.8)	APOC4 (2.7)
APOA5 (1.9)	ATXN7L2 (1.9)
GPAM (2.7)	ANGPTL3 (2.6)
GSTM5 (1.4)	ENSG00000256731 (1
TIMD4 (2.1)	ABCA5 (2.0)
ATP13A1 (2.3)	SUGP1 (2.0)
PPM1G (2.6)	DARS (2.5)
DOCK6 (2.3)	NOP58 (2.2)
IGF2R (1.9)	LIPG (1.8)
LPL (3.5)	LIPC (3.3)
TOP1 (2.2)	DOCK6 (2.0)
NPEPPS (1.9)	DARS (1.8)
LPAR2 (1.4)	MYLIP (1.4)
MAFB (2.0)	TM6SF2 (2.0)
IFT172 (1.8)	HNF1A (1.8)
LCT (3.1)	C19orf80 (3.0)
GCKR (1.8)	YIPF2 (1.7)
CYP26A1 (1.7)	DOCK6 (1.6)
RAB3GAP1 (1.7)	MAFB (1.7)
ANGPTL3 (4.4)	APOA5 (3.8)
AMPD2 (2.3)	APOC3 (2.3)
LPA (1.8)	DOCK6 (1.6)
NPEPPS (1.8)	CARM1 (1.6)
TBKBP1 (1.6)	SLC44A2 (1.6)
PLEC (1.7)	MAFB (1.7)
CYP26A1 (2.0)	LDLR (1.9)
SUGP1 (2.1)	DARS (1.9)
ENSG00000235545 (1	GMIP (1.6)
CYB561D1 (2.0)	SLC22A1 (1.9)
GPAM (2.8)	APOC4 (2.8)
BCAM (2.1)	PLEC (2.0)
HP (2.8)	GPAM (2.7)
GCKR (1.7)	FNDC4 (1.7)
LIPC (2.0)	ANGPTL3 (1.9)
LPIN3 (1.7)	GPAM (1.6)
LPIN3 (1.7)	GPAM (1.6)
HNF4A (3.1)	HP (3.0)

PLEC (1.8)	ENSG00000226806 (1
ENSG00000236436 (1	LIPG (1.8)
APOC1 (2.9)	PLG (2.8)
DHODH (1.8)	RASIP1 (1.8)
FUT2 (2.6)	GCKR (2.5)
ABCA5 (1.8)	ABCG8 (1.7)
RELB (1.9)	KANK2 (1.8)
SLC22A1 (1.8)	PLG (1.7)
HNF1A (2.0)	ENSG00000254235 (1
GDF5 (1.5)	LIPC (1.3)
CETP (1.9)	FER1L4 (1.9)
KANK2 (2.5)	DHX38 (2.3)
YSK4 (1.8)	PVR (1.8)
TOMM40 (2.1)	DHX38 (2.1)
GCKR (3.4)	APOC4 (3.3)
ANGPTL3 (3.3)	SPATC1 (2.5)
SLC22A2 (2.2)	APOA5 (2.2)
BCAM (1.8)	C17orf57 (1.7)
PPM1G (2.1)	ABCA6 (2.1)
ABCA6 (1.7)	RELB (1.6)
LDLR (2.7)	APOC4 (2.6)
USP24 (1.9)	RAB3GAP1 (1.8)
TOP1 (1.4)	APOC1 (1.4)
DNAH11 (1.9)	CETP (1.8)
PCSK9 (2.1)	C11orf9 (2.1)
CYB561D1 (1.6)	IZUMO1 (1.5)
FADS1 (2.5)	FADS2 (2.3)
ABCG8 (2.2)	APOB (2.1)
CARM1 (2.0)	USP24 (2.0)
AMPD2 (2.4)	USP1 (2.4)
GSTM5 (2.1)	MAU2 (2.0)
ANGPTL3 (2.0)	SPATC1 (1.9)
ST3GAL4 (2.0)	DHODH (1.7)
C19orf52 (2.0)	APOB (1.9)
PLEC (1.8)	ENSG00000226806 (1
HNF4A (1.8)	ANGPTL3 (1.8)
GATAD2A (2.0)	APOA4 (1.9)
IZUMO1 (1.6)	ENSG00000244861 (1
APOA5 (2.3)	FER1L4 (2.2)
TM6SF2 (2.6)	APOA5 (2.6)
DHODH (2.7)	MCM6 (2.7)
PARP10 (1.8)	TOP1 (1.7)
IGF2R (1.8)	BMPR2 (1.7)
SLC22A3 (1.7)	LIPC (1.6)
APOC3 (2.0)	APOB (2.0)
PGS1 (2.1)	HP (1.9)
MYLIP (2.0)	LPAL2 (1.9)
SPATC1 (2.4)	LPA (2.4)
NYNRIN (1.8)	GDF5 (1.6)
TM6SF2 (2.4)	C19orf80 (2.2)

UBXN4 (1.8)	GRINA (1.7)
UBXN4 (1.8)	GRINA (1.7)
LIPG (1.9)	BCAM (1.8)
PPM1G (2.1)	ATP13A1 (2.1)
DHODH (2.1)	ST3GAL4 (2.1)
APOB (2.9)	C19orf80 (2.1)
PLG (2.4)	SLC22A1 (2.4)
SUGP1 (2.2)	GATAD2A (2.0)
C17orf57 (1.6)	PARP10 (1.5)
CLPTM1 (2.6)	SNX17 (2.5)
AMPD2 (1.9)	GDF5 (1.9)
ENSG00000182329 (1	ENSG00000236267 (1
HAPLN4 (1.7)	SPATC1 (1.6)
APOA4 (2.6)	TBKBP1 (2.5)
ENSG00000254235 (1	C11orf9 (1.6)
TOP1 (2.8)	ATP13A1 (2.7)
PLG (2.9)	GPAM (2.9)
MAP3K4 (2.4)	MCM6 (2.3)
OBP2B (1.8)	EHBP1 (1.7)
FUT1 (2.0)	LIPG (1.8)
APOA5 (2.8)	ABCA6 (2.8)
HNF4A (3.0)	ENSG00000231204 (2
DHODH (1.8)	PVR (1.8)
KPNB1 (2.7)	DHX38 (2.5)
PVR (1.5)	TBKBP1 (1.5)
TIMD4 (2.1)	ABCA1 (2.1)
ENSG00000244861 (2	TRAM2 (1.9)
SNX17 (2.7)	NRBP1 (2.6)
C12orf43 (2.7)	KPNB1 (2.4)
APOC4 (3.0)	ENSG00000236267 (2
DOCK6 (2.1)	BCAM (1.9)
BMPR2 (1.9)	NRBP1 (1.8)
PVR (1.8)	ZNF821 (1.8)
SUGP1 (1.9)	PMFBP1 (1.9)
BCAM (2.1)	BMPR2 (1.9)
CYB561D1 (2.0)	ENSG00000228044 (1
ABCA6 (1.6)	UBXN4 (1.5)
ABCA1 (1.7)	FER1L4 (1.6)
PSMA5 (2.5)	ATP13A1 (2.3)
SYPL2 (1.7)	CYB561D1 (1.7)
ENSG00000226622 (2	LIPG (1.9)
IZUMO1 (1.9)	LIPG (1.8)
APOA4 (1.7)	GNAT2 (1.7)
APOC4 (2.4)	APOA5 (2.3)
TRAM2 (2.0)	TBKBP1 (2.0)
DHODH (2.0)	DOCK7 (1.9)
ABCA1 (1.5)	SLC44A2 (1.5)
GATAD2A (2.1)	IGF2R (2.0)
DARS (2.3)	USP24 (2.3)
ABCG8 (2.0)	GSTM4 (1.9)

CYB561D1 (2.1)	SORT1 (2.1)
HAVCR1 (2.0)	FUT2 (2.0)
ENSG00000226648 (1	CARM1 (1.9)
SUGP1 (2.3)	PPM1G (2.1)
GSTM5 (2.0)	SMARCA4 (2.0)
IZUMO1 (1.8)	CYP26A1 (1.7)
ENSG00000226622 (1	MAFB (1.6)
LPL (1.6)	CBLC (1.5)
SARS (2.0)	ATP13A1 (2.0)
UBXN4 (2.0)	PMFBP1 (1.9)
OBP2B (1.6)	C17orf57 (1.5)
HNF4A (2.4)	LPL (2.1)
ABCG8 (2.6)	FGF21 (2.5)
ABCG8 (2.6)	FGF21 (2.5)
ENSG00000235545 (1	TIMD4 (1.6)
LPAR2 (1.6)	APOA4 (1.6)
TSSK6 (1.7)	APOB (1.7)
PSMA5 (2.4)	DHODH (2.3)
RP1 (1.8)	HAVCR1 (1.5)
PLEC (1.9)	USP24 (1.9)
PLCG1 (2.1)	MAP3K4 (2.0)
SUGP1 (2.1)	DHX38 (2.0)
PVRL2 (1.5)	APOE (1.5)
ENSG00000226622 (2	ENSG00000228044 (2
ST3GAL4 (1.8)	PARP10 (1.7)
KRTCAP3 (1.8)	C17orf57 (1.8)
NRBP1 (2.2)	SUGP1 (2.2)
APOC4 (2.6)	GCKR (2.6)
SYPL2 (1.9)	ENSG00000228044 (1
TOMM40 (1.8)	DNAH11 (1.8)
GATAD2A (1.8)	R3HDM1 (1.8)
GATAD2A (1.7)	TBKBP1 (1.7)
GATAD2A (1.7)	TBKBP1 (1.7)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
CETP (2.1)	ABCA5 (1.9)
DOCK6 (1.9)	TXNL4B (1.8)
PSMA5 (2.8)	AMPD2 (2.7)
LPIN3 (1.8)	LIPG (1.8)
PPM1G (2.4)	GATAD2A (2.2)
TRIB1 (1.6)	PARP10 (1.5)
AMIGO1 (1.8)	ABCG5 (1.7)
AMPD2 (2.1)	IGF2R (2.0)
DOCK7 (1.9)	BMPR2 (1.8)

ABCA5 (1.9)	GMIP (1.9)
ABCA6 (2.2)	C19orf52 (2.1)
NCAN (1.9)	PLEC (1.8)
DHODH (2.4)	LIPG (2.3)
PBX4 (1.9)	KPNB1 (1.8)
DARS (2.8)	USP24 (2.3)
TIMD4 (1.6)	PGS1 (1.6)
GSTM5 (2.0)	HNF4A (2.0)
NFE2L3 (1.6)	SLC22A1 (1.6)
ATXN7L2 (1.7)	TBKBP1 (1.7)
ENSG00000231204 (2	APOB (2.4)
LIPG (2.0)	ZNF513 (2.0)
USP24 (1.9)	LPAL2 (1.8)
TM6SF2 (3.0)	GSTM5 (2.4)
USP24 (2.0)	CARM1 (1.9)
ZHX3 (1.9)	PCSK9 (1.5)
CILP2 (2.0)	ENSG00000182329 (1
ERGIC3 (2.4)	ENSG00000244861 (2
LPA (1.8)	NFE2L3 (1.7)
ENSG00000226806 (2	KRTCAP3 (2.6)
GSTM5 (1.4)	SPATC1 (1.3)
ABCA1 (1.8)	ABCA6 (1.8)
GPAM (2.0)	GCKR (2.0)
GPAM (3.1)	APOC3 (3.0)
GPAM (3.1)	APOC3 (3.0)
SLC22A3 (2.0)	ATXN7L2 (1.8)
LPA (2.2)	CETP (2.0)
FUT1 (1.7)	BCAM (1.7)
ZNF513 (1.9)	POLK (1.8)
ENSG00000226622 (1	FUT1 (1.7)
OASL (1.4)	OTX1 (1.4)
CARM1 (1.6)	GPAM (1.6)
CARM1 (1.6)	GPAM (1.6)
ENSG00000226806 (1	NFE2L3 (1.6)
EHBP1 (1.6)	ENSG00000226645 (1
ENSG00000256731 (2	FGF21 (2.0)
DARS (2.1)	KPNB1 (2.0)
APOE (1.7)	SORT1 (1.6)
FUT2 (1.7)	PSMA5 (1.7)
ABCA1 (1.7)	C11orf9 (1.6)
TOP1 (2.3)	DHX38 (2.3)
ABCG8 (1.8)	CBLC (1.8)
LIPG (1.6)	TRIB1 (1.6)
C12orf43 (2.1)	SUGP1 (2.1)
DOCK6 (1.9)	APOA4 (1.9)
KANK2 (1.7)	BMPR2 (1.7)
PLCG1 (1.3)	MYLIP (1.2)
DARS (2.3)	SUGP1 (2.3)
PPM1G (2.2)	MAP3K4 (2.2)
EHBP1 (1.6)	R3HDM1 (1.5)

PPM1G (1.8)	DHX38 (1.8)
LPAR2 (2.0)	PLCG1 (1.9)
CYP26A1 (1.6)	KANK2 (1.5)
ZHX3 (1.4)	IZUMO1 (1.4)
MAP3K4 (1.8)	ATP13A1 (1.7)
MAP3K4 (1.8)	ATP13A1 (1.7)
CLPTM1 (1.9)	FADS2 (1.8)
PPM1G (2.3)	DHODH (2.3)
MAFB (1.8)	KANK2 (1.7)
IGF2R (2.1)	LPL (2.1)
PLG (3.6)	APOA5 (3.3)
GNAI3 (1.8)	IGF2R (1.6)
BMPR2 (2.2)	PARP10 (1.7)
DARS (2.0)	GATAD2A (1.9)
GCKR (1.8)	APOC4 (1.8)
TOP1 (2.2)	DARS (2.1)
OBP2B (2.0)	R3HDM1 (1.9)
APOC4 (1.9)	RELB (1.8)
GRINA (2.1)	C17orf57 (2.1)
CLPTM1 (2.3)	SLC22A3 (2.0)
MAMSTR (2.0)	GSTM4 (1.8)
MAMSTR (2.0)	GSTM4 (1.8)
APOA4 (2.3)	SLC22A3 (2.1)
HAPLN4 (2.2)	AMPD2 (2.0)
IZUMO1 (1.9)	RELB (1.9)
GSTM5 (2.2)	SMARCA4 (1.9)
DHODH (2.5)	LPAL2 (2.1)
KANK2 (1.7)	FADS1 (1.7)
OBP2B (2.1)	FADS2 (2.1)
SUGP1 (2.3)	PPM1G (2.1)
GCKR (1.8)	ENSG00000228044 (1
ZNF821 (1.9)	NYNRIN (1.8)
TM6SF2 (1.8)	APOB (1.8)
ENSG00000236267 (1	SLC22A3 (1.9)
SNX17 (1.8)	ENSG00000235545 (1
TBKBP1 (2.0)	CYP26A1 (1.9)
MAP3K4 (2.1)	ZRANB3 (2.1)
DOCK6 (1.8)	APOC1 (1.8)
KANK2 (1.9)	SLC22A1 (1.9)
GRINA (2.1)	PARP10 (1.8)
FADS1 (2.3)	ENSG00000256731 (2
UBXN4 (1.9)	PPM1G (1.9)
ENSG00000256731 (1	IFT172 (1.6)
ENSG00000256731 (1	IFT172 (1.6)
NYNRIN (1.6)	BMPR2 (1.6)
TRAM2 (1.8)	PVR (1.7)
LIPC (1.6)	FADS2 (1.6)
CYP26A1 (2.5)	LPAL2 (2.4)
ZHX3 (1.9)	ABCG8 (1.9)
ENSG00000226645 (1	ATXN1L (1.9)

FEN1 (2.3)	NPEPPS (2.3)
LIPC (1.5)	ABCA1 (1.5)
MYLIP (1.9)	DOCK6 (1.9)
LPA (2.3)	ABCA5 (2.2)
MYLIP (1.5)	PARP10 (1.5)
DOCK7 (2.0)	BMPR2 (2.0)
ABCA1 (1.8)	IGF2R (1.8)
NUP93 (2.4)	CEP250 (2.0)
C12orf43 (2.6)	ATP13A1 (2.6)
LIPG (1.5)	GOT2P1 (1.4)
APOC3 (2.2)	LCT (2.2)
FUT2 (1.6)	APOE (1.6)
SNX17 (2.3)	NFE2L3 (2.1)
LDLR (2.0)	FADS1 (1.9)
C17orf57 (1.7)	SORT1 (1.5)
GCKR (1.8)	USP24 (1.5)
ABCA6 (1.8)	ENSG00000235545 (1
KANK2 (1.9)	LPAL2 (1.9)
FADS2 (1.9)	HNF4A (1.8)
PARP10 (2.0)	LPIN3 (2.0)
DHODH (2.2)	ANGPTL3 (2.2)
ABCA5 (1.8)	GMIP (1.7)
LIPG (2.0)	GRINA (1.7)
OBP2B (1.8)	AMPD2 (1.8)
C17orf57 (1.7)	SLC22A1 (1.7)
FADS2 (1.9)	FUT1 (1.8)
NPEPPS (2.2)	APOE (2.1)
GCKR (1.8)	PVR (1.8)
FUT1 (1.6)	FUT2 (1.5)
PMFBP1 (1.5)	IST1 (1.4)
ENSG00000231204 (1	CEP250 (1.8)
CYP26A1 (1.7)	SLC44A2 (1.7)
CLPTM1 (1.7)	UBXN4 (1.6)
ABCA1 (1.6)	ST3GAL4 (1.6)
CLPTM1 (1.8)	HNF4A (1.7)
ENSG00000254235 (1	BMPR2 (1.7)
HNF4A (3.5)	APOA5 (3.3)
CARM1 (2.3)	MCM6 (2.2)
ENSG00000226645 (1	PLCG1 (1.6)
ENSG00000254235 (2	PLG (2.3)
TIMD4 (1.9)	ST3GAL4 (1.8)
NOP58 (1.7)	TXNL4B (1.6)
PCSK9 (2.6)	HP (2.6)
TSSK6 (2.1)	FER1L4 (1.9)
PBX4 (1.5)	GRINA (1.5)
LPL (1.9)	CYB561D1 (1.9)
ZNF821 (1.5)	GSTM4 (1.5)
PVRL2 (1.9)	IZUMO1 (1.7)
C12orf43 (2.3)	FADS2 (2.2)
PBX4 (1.5)	AMPD2 (1.4)

MAFB (1.8)	HAVCR1 (1.6)
TXNL4B (1.5)	ENSG00000231204 (1
PBX4 (1.9)	RELB (1.9)
LPAL2 (1.7)	LPA (1.7)
TXNL4B (2.1)	AMPD2 (2.1)
YSK4 (1.8)	SLC44A2 (1.8)
AMPD2 (1.9)	KPNB1 (1.9)
SARS (1.6)	IST1 (1.5)
FGF21 (1.9)	MAU2 (1.8)
ABCA5 (2.0)	ATP13A1 (1.9)
FADS2 (1.9)	SLC22A2 (1.8)
PGS1 (1.8)	OBP2B (1.8)
HP (1.7)	DNAH11 (1.7)
PLEC (1.8)	LPAR2 (1.7)
APOB (2.7)	APOC3 (2.6)
NFE2L3 (1.5)	SLC44A2 (1.4)
PSMA5 (2.1)	SNX17 (2.1)
CBLC (1.9)	APOA4 (1.9)
KANK2 (1.7)	NPEPPS (1.7)
LIPG (1.7)	ATXN1L (1.7)
ABCA1 (1.6)	ST3GAL4 (1.6)
CARM1 (1.9)	BUD13 (1.9)
HP (3.2)	APOC4 (3.2)
BMPR2 (1.9)	ABCA5 (1.9)
DOCK7 (1.9)	FNDC4 (1.9)
ATXN7L2 (1.8)	KANK2 (1.8)
BMPR2 (1.4)	BCAM (1.3)
MAFB (1.8)	HP (1.8)
DNAH11 (1.8)	FER1L4 (1.8)
KPNB1 (2.1)	BUD13 (2.0)
APOA4 (2.5)	GCKR (2.4)
UBXN4 (2.1)	GSTM4 (2.0)
PBX4 (1.5)	MAFB (1.4)
C12orf43 (2.2)	SUGP1 (2.2)
GMIP (1.5)	OBP2B (1.3)
ABCA1 (1.5)	MAFB (1.5)
ATP13A1 (2.5)	SARS (2.3)
KRTCAP3 (1.6)	ABCA6 (1.5)
KANK2 (1.5)	UBXN4 (1.5)
PLG (2.6)	HP (2.4)
LIPG (2.4)	FUT1 (2.3)
EHBP1 (1.6)	ABCA1 (1.6)
TOMM40 (1.7)	LPL (1.6)
RAB3GAP1 (1.8)	FGF21 (1.7)
LPIN3 (2.0)	GCKR (2.0)
UBXN4 (2.3)	TRIM54 (2.2)
GCKR (1.8)	FNDC4 (1.8)
LPL (2.3)	TRIB1 (2.1)
PARP10 (1.6)	CLPTM1 (1.5)
OASL (1.7)	PVR (1.6)

ABCA1 (2.2)	YIPF2 (2.2)
IST1 (1.9)	PVRL2 (1.9)
APOA5 (4.0)	APOC4 (3.5)
SARS (1.9)	PVR (1.8)
PVRL2 (2.0)	IGF2R (1.9)
ABO (1.6)	GOT2P1 (1.5)
SUGP1 (2.2)	GNAI3 (2.1)
TM6SF2 (1.8)	APOA4 (1.8)
GCKR (2.2)	CYB561D1 (2.2)
COL4A3BP (2.4)	APOC1 (2.2)
PVRL2 (2.1)	POC5 (2.0)
DARS (2.4)	NRBP1 (2.3)
BMPR2 (1.9)	OBP2B (1.7)
ENSG00000226648 (1	DOCK6 (1.5)
ENSG00000256731 (2	ABCA5 (2.0)
LIPC (2.2)	SLC22A1 (2.2)
ENSG00000228044 (1	GPR61 (1.7)
SLC22A3 (1.9)	HAVCR1 (1.8)
LCT (2.0)	HP (1.8)
PLG (2.4)	ENSG00000254235 (2
AMPD2 (2.3)	HAPLN4 (2.3)
ENSG00000235545 (1	GOT2P1 (1.7)
ABCA5 (2.1)	LCT (2.1)
NFE2L3 (2.5)	CARM1 (2.4)
TRAM2 (1.8)	PCSK9 (1.7)
LPA (1.9)	SLC22A1 (1.9)
DNAH11 (1.6)	USP1 (1.5)
ENSG00000236436 (1	KPNB1 (1.5)
OBP2B (2.0)	TBKBP1 (1.9)
PVR (2.2)	NFE2L3 (1.9)
APOA5 (2.2)	APOC3 (2.2)
NYNRIN (2.4)	ATXN7L2 (2.4)
PVRL2 (1.7)	ENSG00000244861 (1
C17orf57 (1.6)	SORT1 (1.5)
TIMD4 (1.6)	MAFB (1.5)
ENSG00000226648 (1	MYLIP (1.9)
ENSG00000226622 (1	ABCG8 (1.5)
GRINA (2.3)	IZUMO1 (2.2)
ENSG00000236267 (1	FER1L4 (1.7)
TM6SF2 (3.7)	APOA5 (3.6)
DARS (2.4)	AMPD2 (2.4)
ENSG00000254235 (1	FUT2 (1.7)
ENSG00000254235 (1	POC5 (1.5)
LPAL2 (2.2)	GPR61 (2.2)
CELSR2 (1.9)	FUT2 (1.8)
PVRL2 (1.6)	FER1L4 (1.5)
PPM1G (2.5)	ZNF259 (2.4)
AMPD2 (2.3)	SUGP1 (2.2)
HAVCR1 (1.6)	MAMSTR (1.6)
KRTCAP3 (2.0)	PARP10 (2.0)

C17orf57 (2.1)	HP (2.0)
BMPR2 (1.7)	OBP2B (1.7)
EHBP1 (1.9)	ST3GAL4 (1.8)
SNX17 (2.3)	LDLR (2.3)
BMPR2 (1.8)	ABCA5 (1.8)
APOC4 (1.9)	ABCG5 (1.8)
FADS1 (1.9)	CEP250 (1.9)
PPM1G (2.5)	DHODH (2.5)
PPM1G (2.6)	AMPD2 (2.5)
MAFB (2.0)	ABCA6 (2.0)
GDF5 (1.9)	MAFB (1.9)
ABCA1 (1.6)	GRINA (1.5)
BMPR2 (2.0)	LPAR2 (1.8)
SLC22A3 (1.7)	MAP3K4 (1.5)
SPATC1 (2.2)	GOT2P1 (2.1)
POLK (2.0)	HP (1.9)
FEN1 (2.2)	DOCK7 (2.2)
DNAH11 (1.8)	TM6SF2 (1.7)
ENSG00000228044 (2	DHX38 (2.1)
EHBP1 (1.5)	ENSG00000235545 (1
NUP93 (1.9)	PPM1G (1.8)
APOB (2.1)	TRAM2 (2.0)
DHX38 (1.9)	ZHX3 (1.9)
PBX4 (2.2)	CETP (1.9)
NPEPPS (1.7)	MAP3K4 (1.6)
DOCK6 (1.6)	FNDC4 (1.6)
PVRL2 (1.8)	SORT1 (1.4)
GRINA (1.5)	DARS (1.5)
PBX4 (1.6)	NFE2L3 (1.4)
IGF2R (1.8)	PVR (1.7)
C19orf80 (2.1)	RAB3GAP1 (1.8)
C12orf43 (2.3)	UBXN4 (2.3)
SLC22A1 (2.7)	PCSK9 (2.7)
SLC22A1 (2.7)	PCSK9 (2.7)
MYLIP (1.6)	SLC44A2 (1.6)
KANK2 (2.1)	PVRL2 (2.1)
GRINA (1.8)	FER1L4 (1.5)
AMPD2 (1.8)	CARM1 (1.8)
ZNF513 (1.4)	C17orf57 (1.4)
KRTCAP3 (1.6)	LPA (1.6)
SARS (2.6)	GATAD2A (2.5)
SARS (2.6)	GATAD2A (2.5)
SARS (2.6)	GATAD2A (2.5)
RAB3GAP1 (2.5)	YIPF2 (2.4)
DHX38 (2.3)	GATAD2A (2.1)
FGF21 (2.0)	KANK2 (2.0)
MAP3K4 (1.7)	PPM1G (1.6)
KANK2 (1.9)	LIPG (1.9)
CBLC (1.5)	TRAM2 (1.5)
GCKR (1.7)	HP (1.7)

LPL (1.6)	ENSG00000182329 (1
DOCK6 (1.1)	ENSG00000235545 (1
HAPLN4 (1.9)	CEP250 (1.8)
APOA5 (2.5)	SLC22A1 (2.5)
KPNB1 (2.0)	C19orf80 (1.9)
CBLC (2.0)	APOE (2.0)
DNAH11 (1.7)	PARP10 (1.6)
NFE2L3 (2.1)	ENSG00000254235 (2
PGS1 (1.9)	CYB561D1 (1.8)
FUT1 (1.7)	MAFB (1.7)
GMIP (1.8)	ABCA5 (1.8)
GOT2P1 (1.5)	LCT (1.5)
GNAI3 (1.9)	ABCA1 (1.8)
APOB (1.6)	OBP2B (1.4)
ABO (2.3)	ENSG00000254235 (2
NYNRIN (2.1)	SYPL2 (2.1)
GDF5 (1.7)	SPATC1 (1.7)
PARP10 (1.6)	CARM1 (1.6)
NPEPPS (1.9)	ZNF821 (1.8)
MAU2 (1.5)	C19orf52 (1.4)
KANK2 (1.7)	DOCK6 (1.6)
ENSG00000226645 (1	MYLIP (1.4)
APOC4 (2.4)	HNF4A (2.3)
APOC4 (2.4)	HNF4A (2.3)
ST3GAL4 (1.8)	ZNF513 (1.8)
LIPC (1.7)	NFE2L3 (1.6)
ABCA6 (2.7)	HNF4A (2.7)
FGF21 (2.6)	SUGP1 (2.6)
NYNRIN (1.8)	GDF5 (1.7)
NCAN (2.7)	FUT2 (2.4)
NPEPPS (2.0)	PPM1G (1.9)
FUT2 (2.2)	ANGPTL3 (2.1)
DHODH (2.2)	FUT1 (2.2)
SLC22A3 (1.8)	GRINA (1.8)
SMARCA4 (2.1)	IGF2R (1.9)
PLG (1.9)	ENSG00000226645 (1
RELB (1.9)	RAB3GAP1 (1.8)
PVRL2 (2.1)	PLEC (2.0)
GMIP (1.8)	ENSG00000236267 (1
CETP (1.2)	LIPG (1.2)
PVRL2 (2.0)	NRBP1 (2.0)
PVR (1.9)	BMPR2 (1.8)
GPAM (1.9)	ABO (1.7)
PGS1 (1.9)	ABCA5 (1.7)
GCKR (2.9)	APOC1 (2.7)
TBKBP1 (2.0)	FUT1 (2.0)
OBP2B (1.9)	DARS (1.8)
C17orf57 (1.5)	ENSG00000182329 (1
ANGPTL3 (1.8)	ERGIC3 (1.7)
PVRL2 (1.8)	MYLIP (1.7)

TOP1 (2.5)	DHX38 (2.4)
ANGPTL3 (3.4)	APOC4 (3.4)
PSMA5 (1.4)	DARS (1.3)
PVR (2.2)	CILP2 (2.1)
DHODH (1.9)	YIPF2 (1.8)
PLG (2.4)	HNF4A (2.3)
GOT2P1 (1.9)	GDF5 (1.8)
SLC22A1 (2.9)	HNF4A (2.8)
GOT2P1 (1.5)	MAMSTR (1.4)
CARM1 (2.1)	DHODH (2.1)
PPM1G (2.0)	AMIGO1 (1.9)
ANGPTL3 (2.2)	LIPC (2.1)
ENSG00000226645 (1	PSRC1 (1.8)
PLEC (1.7)	APOB (1.6)
KRTCAP3 (1.2)	GMIP (1.1)
CLPTM1 (1.6)	PGS1 (1.6)
ANGPTL3 (1.8)	C11orf9 (1.8)
CETP (1.9)	GDF5 (1.9)
C12orf43 (2.1)	BUD13 (2.0)
GATAD2A (2.4)	USP1 (2.4)
OTX1 (1.6)	AMIGO1 (1.6)
CBLC (1.8)	MAU2 (1.8)
MAFB (2.5)	GOT2P1 (2.2)
MYLIP (1.8)	SLC22A3 (1.8)
DOCK7 (1.4)	CILP2 (1.3)
ENSG00000244861 (1	ZHX3 (1.7)
TOMM40 (1.9)	KPNB1 (1.9)
ATP13A1 (2.5)	GATAD2A (2.3)
NFE2L3 (2.0)	NRBP1 (1.9)
UBXN4 (1.9)	NPEPPS (1.9)
APOA4 (1.7)	ABCG8 (1.6)
ZNF259 (2.1)	DHX38 (2.1)
ENSG00000235545 (1	ENSG00000231204 (1
ENSG00000235545 (1	ENSG00000231204 (1
ABCG8 (2.0)	ERGIC3 (2.0)
C11orf9 (2.0)	GSTM5 (1.8)
TRIB1 (1.8)	SLC22A1 (1.7)
ABCG8 (1.7)	ENSG00000226806 (1
COL4A3BP (1.8)	MAU2 (1.7)
GMIP (2.0)	CETP (1.9)
TBKBP1 (1.7)	GDF5 (1.6)
DOCK7 (1.7)	RAB3GAP1 (1.5)
ENSG00000226645 (1	DHX38 (1.6)
TM6SF2 (1.8)	ERGIC3 (1.8)
R3HDM1 (1.9)	NOP58 (1.9)
SMARCA4 (1.8)	APOA4 (1.7)
GMIP (1.9)	PARP10 (1.8)
KANK2 (1.8)	IGF2R (1.7)
C11orf9 (1.9)	CBLC (1.8)
CARM1 (2.0)	RASIP1 (1.8)

ENSG00000226806 (1	COL4A3BP (1.3)
SLC44A2 (1.8)	APOC1 (1.8)
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
ABCA5 (1.8)	ENSG00000236267 (1
CLPTM1 (1.8)	C17orf57 (1.8)
ENSG00000228044 (2	SLC44A2 (1.9)
MAP3K4 (2.1)	ATXN7L2 (2.0)
MAP3K4 (2.1)	ATXN7L2 (2.0)
APOC1 (1.9)	KRTCAP3 (1.9)
BUD13 (2.7)	SUGP1 (2.7)
YIPF2 (1.5)	TOMM40 (1.4)
GNAI3 (1.6)	KRTCAP3 (1.6)
CBLC (2.0)	C11orf9 (1.9)
ABCG8 (2.1)	APOB (1.7)
UBXN4 (2.5)	TOP1 (2.3)
EHBP1 (1.9)	FNDC4 (1.9)
APOE (2.3)	APOC3 (2.3)
ANGPTL3 (2.4)	APOC3 (2.4)
CILP2 (1.5)	POLK (1.5)
LDLR (1.7)	YIPF2 (1.7)
ABO (1.9)	ENSG00000254235 (1
NUP93 (1.9)	CARM1 (1.8)
MYLIP (1.7)	SLC44A2 (1.6)
LPIN3 (1.4)	HAVCR1 (1.3)
COL4A3BP (1.9)	BMPR2 (1.8)
ENSG00000235545 (2	PVR (2.0)
GCKR (2.6)	APOC3 (2.5)
GCKR (2.6)	APOC3 (2.5)
GCKR (2.6)	APOC3 (2.5)
CELSR2 (1.7)	ABCA5 (1.7)
IGF2R (2.0)	HAVCR1 (1.7)
ENSG00000231204 (1	CETP (1.6)
GMIP (1.7)	GPAM (1.7)
PVR (1.6)	GMIP (1.6)
NRBP1 (2.1)	DHX38 (2.1)
POLK (2.1)	PVR (2.0)
USP24 (2.3)	GPAM (2.2)
MAMSTR (2.2)	BMPR2 (2.1)

ABCA1 (1.8)	TIMD4 (1.8)
SLC22A2 (1.4)	HNF1A (1.4)
ZNF513 (1.2)	TBKBP1 (1.1)
FUT2 (1.5)	APOB (1.5)
FADS1 (1.9)	TRIB1 (1.9)
SLC22A1 (1.5)	LIPG (1.5)
TRIM54 (2.3)	LCT (2.3)
TRIB1 (1.7)	ENSG00000256731 (1
HP (3.5)	APOC1 (3.3)
OASL (1.7)	PGS1 (1.7)
FNDC4 (1.8)	PLCG1 (1.8)
TOP1 (2.5)	BUD13 (2.5)
APOC1 (1.8)	MAFB (1.7)
C19orf52 (1.9)	ABCA6 (1.8)
LDLR (2.1)	NCAN (2.0)
IZUMO1 (2.5)	FADS2 (2.1)
ATP13A1 (2.3)	HNF4A (2.2)
NFE2L3 (1.9)	RELB (1.8)
SARS (2.3)	SLC22A3 (2.2)
BMPR2 (2.2)	ZHX3 (2.1)
ENSG00000231204 (1	ENSG00000226645 (1
ATP13A1 (1.7)	MAMSTR (1.7)
ATXN7L2 (2.5)	LPIN3 (2.2)
LIPG (2.0)	PCSK9 (2.0)
ENSG00000256731 (1	GMIP (1.9)
TOMM40 (1.7)	APOC1 (1.5)
LCT (2.6)	ENSG00000236267 (2
ABCG5 (1.9)	GCKR (1.8)
OASL (1.6)	FUT2 (1.6)
PVRL2 (1.8)	CBLC (1.7)
SLC44A2 (1.9)	USP24 (1.9)
NFE2L3 (1.5)	CBLC (1.5)
ABCG5 (1.9)	C17orf57 (1.8)
SUGP1 (1.7)	R3HDM1 (1.7)
USP24 (1.9)	ZHX3 (1.9)
TIMD4 (1.8)	IGF2R (1.7)
CELSR2 (1.7)	ENSG00000236436 (1
GPR61 (2.0)	DOCK7 (1.9)
TOMM40 (1.9)	SNX17 (1.7)
BCAM (1.9)	TRIB1 (1.8)
ABCA5 (1.9)	GMIP (1.9)
DHODH (1.9)	SNX17 (1.9)
FEN1 (2.2)	IGF2R (2.1)
BMPR2 (1.8)	ENSG00000236267 (1
ZRANB3 (1.8)	ST3GAL4 (1.8)
USP24 (2.7)	DARS (2.4)
GDF5 (1.9)	MAFB (1.8)
PVRL2 (1.5)	FUT2 (1.4)
CETP (2.0)	PGS1 (2.0)
CEP250 (1.5)	APOC1 (1.5)

TOMM40 (1.8)	SUMO1 (1.6)
CBLC (1.8)	ENSG00000228044 (1
FUT1 (1.8)	LPIN3 (1.8)
GOT2P1 (1.9)	SNX17 (1.9)
NPEPPS (1.7)	HAVCR1 (1.7)
PGS1 (1.8)	ENSG00000236267 (1
GNAT2 (1.8)	ABCA1 (1.8)
EHBP1 (1.7)	ABCG8 (1.6)
NUP93 (1.9)	MCM6 (1.8)
DHX38 (1.8)	ZNF513 (1.6)
DHX38 (1.8)	ZNF513 (1.6)
KANK2 (2.1)	SMARCA4 (2.1)
ERGIC3 (1.5)	ENSG00000256731 (1
ATXN1L (1.8)	PGS1 (1.7)
GSTM5 (1.4)	NFE2L3 (1.4)
GSTM4 (2.5)	SLC22A3 (2.0)
KPNB1 (1.6)	ABCA1 (1.5)
PPM1G (1.5)	SNX17 (1.3)
GDF5 (1.9)	CYP26A1 (1.9)
FUT2 (1.9)	FER1L4 (1.9)
C19orf52 (1.8)	ABCG8 (1.8)
MAFB (1.6)	NFE2L3 (1.5)
PLEC (1.8)	PVR (1.7)
ABCA6 (3.5)	ABCG5 (3.2)
ABCA6 (3.5)	ABCG5 (3.2)
GSTM5 (1.6)	LPAR2 (1.4)
NPEPPS (1.4)	PSMA5 (1.4)
FUT2 (2.1)	MAP3K4 (2.1)
GSTM5 (1.7)	LDLR (1.6)
GMIP (1.9)	ENSG00000236267 (1
ABCA6 (3.6)	ABCG5 (3.2)
NRBP1 (2.0)	TOP1 (2.0)
C12orf43 (2.2)	PPM1G (2.2)
ENSG00000231204 (1	HP (1.6)
FUT2 (1.4)	GPAM (1.4)
USP24 (2.3)	BUD13 (2.1)
TXNL4B (1.9)	CLPTM1 (1.9)
KANK2 (1.7)	SLC22A1 (1.6)
RASIP1 (1.8)	TRAM2 (1.8)
GPAM (2.4)	USP24 (2.3)
NUP93 (2.1)	IST1 (2.1)
LIPG (2.0)	FNDC4 (1.7)
FEN1 (2.3)	MCM6 (2.3)
LIPC (1.8)	APOE (1.8)
APOC4 (2.2)	APOC1 (2.0)
TBKBP1 (1.8)	NFE2L3 (1.8)
KRTCAP3 (1.9)	HMGCR (1.9)
ZNF513 (2.0)	AMPD2 (1.9)
CETP (1.9)	LPL (1.8)
SLC22A3 (2.2)	LPAL2 (2.2)

GSTM5 (1.9)	HP (1.7)
APOA4 (2.3)	SORT1 (2.2)
YSK4 (1.7)	APOE (1.5)
LPA (2.1)	DOCK7 (2.0)
MYLIP (2.1)	LPIN3 (2.0)
CELSR2 (1.9)	DOCK7 (1.9)
LCT (1.5)	ENSG00000228044 (1
LPAL2 (2.8)	C19orf80 (2.8)
LPA (1.9)	LPIN3 (1.9)
DHX38 (2.4)	SUGP1 (2.2)
FADS2 (1.7)	NYNRIN (1.7)
C12orf43 (1.8)	SARS (1.7)
TXNL4B (2.6)	IFT172 (2.1)
GATAD2A (2.0)	AMPD2 (2.0)
HNF4A (2.9)	HP (2.5)
PVRL2 (2.2)	LIPG (2.2)
ABO (2.0)	IGF2R (1.9)
FUT2 (1.9)	YSK4 (1.9)
CETP (2.2)	ABCA1 (1.8)
LPA (2.0)	HMGCR (1.9)
FADS1 (2.2)	LIPG (1.9)
AMPD2 (2.0)	ABCA1 (2.0)
ENSG00000226648 (1	ST3GAL4 (1.3)
USP24 (1.7)	NPEPPS (1.7)
GDF5 (1.9)	LDLR (1.8)
ENSG00000256731 (1	CETP (1.8)
C11orf9 (2.0)	TRIM54 (2.0)
LPAL2 (1.7)	ABCA6 (1.7)
ABCA5 (1.9)	GCKR (1.9)
SNX17 (1.7)	AMIGO1 (1.7)
IGF2R (2.0)	C17orf57 (2.0)
IGF2R (2.2)	ERGIC3 (2.2)
ENSG00000226622 (1	ST3GAL4 (2.9)
ATP13A1 (1.8)	SARS (1.7)
PGS1 (2.0)	ZNF513 (1.9)
GDF5 (1.6)	LPAL2 (1.6)
CBLC (1.6)	TSSK6 (1.6)
TOP1 (2.4)	PLCG1 (2.3)
GRINA (1.8)	SORT1 (1.7)
GRINA (1.8)	SORT1 (1.7)
LPL (1.8)	GPAM (1.8)
CEP250 (2.3)	POC5 (2.3)
YIPF2 (1.6)	ENSG00000254235 (1
AMPD2 (2.0)	C12orf43 (2.0)
TRAM2 (1.5)	NRBP1 (1.4)
POC5 (2.1)	PLEC (2.1)
HP (3.1)	C19orf80 (3.0)
NFE2L3 (1.5)	GRINA (1.4)
RELB (1.4)	APOA4 (1.4)
APOA5 (2.5)	GCKR (2.3)

GMIP (2.0)	SLC22A1 (2.0)
LPAL2 (3.4)	APOA5 (3.1)
RELB (1.9)	PGS1 (1.9)
DHX38 (2.2)	PPM1G (2.1)
CELSR2 (2.1)	LIPG (2.1)
PPM1G (2.4)	ENSG00000226645 (2
PPM1G (2.4)	ENSG00000226645 (2
PPM1G (2.4)	ENSG00000226645 (2
SARS (1.5)	ENSG00000254235 (1
ATP13A1 (2.5)	UBXN4 (2.5)
GCKR (1.7)	ENSG00000236267 (1
PGS1 (1.8)	ENSG00000236267 (1
BUD13 (1.4)	FUT2 (1.3)
YSK4 (1.9)	GSTM5 (1.7)
CELSR2 (1.7)	ENSG00000228044 (1
PPM1G (2.3)	DARS (2.0)
PCSK9 (2.3)	ABCA5 (2.3)
AMPD2 (2.1)	PPM1G (1.9)
FER1L4 (1.6)	ZHX3 (1.5)
GNAI3 (2.4)	DARS (2.4)
BUD13 (1.9)	GATAD2A (1.9)
APOC3 (1.7)	CYP26A1 (1.6)
FNDC4 (1.5)	ZHX3 (1.4)
APOA5 (1.9)	ANGPTL3 (1.8)
ATXN1L (1.7)	ENSG00000236436 (1
TRIB1 (2.0)	DOCK6 (1.9)
RASIP1 (1.6)	DNAH11 (1.6)
TRAM2 (1.6)	ABCA5 (1.5)
DARS (2.3)	USP24 (2.3)
PVRL2 (1.7)	BMPR2 (1.6)
LDLR (2.1)	GSTM4 (2.1)
AMIGO1 (1.5)	LPIN3 (1.3)
ENSG00000254235 (2	LDLR (2.1)
NYNRIN (1.9)	HNF1A (1.9)
ANGPTL3 (2.0)	PARP10 (2.0)
CLPTM1 (2.8)	DARS (2.6)
ATP13A1 (2.4)	SUGP1 (1.9)
ATP13A1 (2.4)	SUGP1 (1.9)
PPM1G (2.2)	DHX38 (2.1)
ENSG00000182329 (1	KPNB1 (1.7)
APOC3 (1.9)	ABCG5 (1.9)
BMPR2 (1.8)	ENSG00000236267 (1
LPAR2 (2.0)	LIPG (1.9)
HNF4A (1.9)	C19orf52 (1.8)
COL4A3BP (2.1)	GMIP (2.0)
SNX17 (2.0)	SARS (1.8)
SUGP1 (2.1)	ATXN7L2 (2.0)
RAB3GAP1 (1.8)	SMARCA4 (1.8)
SUGP1 (1.8)	LPAR2 (1.8)
LPIN3 (2.0)	CELSR2 (1.9)

ENSG00000226648 (2	C11orf9 (2.0)
NUP93 (1.6)	APOC4 (1.6)
OASL (2.0)	TIMD4 (2.0)
DOCK6 (1.7)	RASIP1 (1.6)
C19orf80 (1.8)	IZUMO1 (1.8)
ATP13A1 (1.7)	LPAL2 (1.6)
PVR (1.9)	GMIP (1.9)
SARS (1.6)	PCSK9 (1.5)
C17orf57 (1.5)	TRIB1 (1.5)
SNX17 (1.7)	DHODH (1.6)
NOP58 (2.5)	NRBP1 (2.2)
COL4A3BP (1.8)	CARM1 (1.7)
SLC44A2 (2.3)	BMPR2 (2.2)
GDF5 (1.7)	LPIN3 (1.7)
GATAD2A (2.3)	SUGP1 (2.1)
LPIN3 (1.8)	SPATC1 (1.8)
AMPD2 (2.3)	PPM1G (2.2)
FUT2 (2.7)	ABCG8 (2.5)
GCKR (1.8)	HNF4A (1.8)
ANGPTL3 (3.5)	LPA (3.2)
GRINA (1.8)	SNX17 (1.8)
PVR (2.2)	RASIP1 (2.1)
IST1 (1.9)	MAFB (1.8)
ZHX3 (1.7)	FUT1 (1.7)
ENSG00000231204 (1	GRINA (1.6)
HAPLN4 (1.7)	ENSG00000226806 (1
FNDC4 (1.7)	CBLC (1.6)
GSTM5 (1.9)	C19orf80 (1.7)
GATAD2A (2.2)	DOCK7 (2.2)
HNF4A (1.7)	LIPC (1.6)
SARS (2.2)	GATAD2A (2.0)
OASL (1.8)	HAVCR1 (1.7)
USP24 (2.4)	LPAR2 (2.3)
ABO (1.8)	CYB561D1 (1.7)
DARS (2.1)	NRBP1 (2.0)
PPM1G (1.8)	SUGP1 (1.7)
DHODH (1.8)	ENSG00000182329 (1
FUT1 (2.2)	LIPG (1.8)
GOT2P1 (1.9)	GNAI3 (1.9)
MAMSTR (1.6)	GNAT2 (1.6)
MCM6 (2.1)	TOMM40 (2.0)
MCM6 (2.1)	TOMM40 (2.0)
CLPTM1 (1.7)	LPAR2 (1.6)
PCSK9 (2.0)	FADS2 (2.0)
HAVCR1 (1.8)	YIPF2 (1.8)
HAVCR1 (1.8)	YIPF2 (1.8)
PLEC (1.5)	PSRC1 (1.5)
EHBP1 (2.1)	CBLC (1.9)
NFE2L3 (1.5)	LPAL2 (1.4)
HAPLN4 (1.9)	ANGPTL3 (1.8)

ENSG00000226806 (1	CBLC (1.5)
GATAD2A (2.1)	PPM1G (1.9)
APOA4 (2.2)	HAPLN4 (2.2)
APOE (1.9)	ATP13A1 (1.8)
FUT1 (1.9)	ATXN7L2 (1.8)
ENSG00000226645 (2	PPM1G (2.2)
MAU2 (1.9)	LPAR2 (1.9)
ENSG00000235545 (1	KRTCAP3 (1.6)
DOCK6 (1.4)	YIPF2 (1.3)
DHX38 (1.8)	LPAL2 (1.8)
PCSK9 (1.8)	R3HDM1 (1.8)
BCAM (1.9)	TSSK6 (1.9)
DARS (1.9)	ENSG00000226645 (1
SUGP1 (2.1)	SMARCA4 (2.1)
LIPG (1.7)	OBP2B (1.6)
HAVCR1 (2.3)	MYLIP (2.2)
MAP3K4 (2.0)	CETP (2.0)
SPATC1 (1.7)	TOP1 (1.7)
ENSG00000235545 (1	CLPTM1 (1.7)
POLK (1.8)	ABCA6 (1.7)
ENSG00000254235 (1	DOCK7 (1.7)
LPAR2 (1.7)	C19orf52 (1.6)
C17orf57 (2.2)	HAVCR1 (2.2)
PLEC (2.1)	ABCA1 (2.0)
HNF4A (1.8)	ST3GAL4 (1.7)
ERGIC3 (1.6)	ABCA6 (1.4)
C12orf43 (2.3)	PVR (2.2)
ZNF821 (1.8)	C11orf9 (1.8)
FEN1 (2.2)	DHX38 (2.1)
HP (1.6)	NFE2L3 (1.6)
NRBP1 (1.9)	FEN1 (1.9)
C17orf57 (1.6)	TRIM54 (1.3)
ABCA5 (2.1)	ABCG8 (1.9)
BCAM (1.8)	PCSK9 (1.8)
LCT (1.8)	MYLIP (1.7)
HNF4A (2.2)	DOCK6 (2.2)
C19orf80 (1.7)	OTX1 (1.7)
DOCK7 (2.1)	DHX38 (2.0)
RASIP1 (1.7)	APOE (1.7)
ZNF821 (1.9)	PLCG1 (1.8)
OTX1 (1.7)	MAP3K4 (1.6)
UBXN4 (1.9)	HMGCR (1.9)
SUGP1 (2.5)	KPNB1 (2.4)
ATXN1L (1.7)	NYNRIN (1.7)
TRAM2 (1.9)	GDF5 (1.8)
KPNB1 (2.5)	SUGP1 (2.4)
ENSG00000228044 (1	DOCK6 (1.7)
HMGCR (2.1)	ZNF259 (2.1)
TOP1 (1.3)	NPEPPS (1.2)
IGF2R (1.4)	KANK2 (1.4)

NYNRIN (1.9)	PVR (1.8)
ZRANB3 (2.2)	DARS (2.2)
GCKR (1.6)	HNF4A (1.5)
CBLC (2.0)	ENSG00000228044 (1
MAFB (1.3)	ST3GAL4 (1.3)
PLEC (1.5)	LDLR (1.4)
PVR (1.8)	GMIP (1.6)
OBP2B (1.9)	CELSR2 (1.8)
GRINA (1.6)	FADS1 (1.5)
GRINA (1.8)	FUT2 (1.7)
EHBP1 (1.9)	ATP13A1 (1.8)
ATP13A1 (1.9)	PVR (1.7)
FER1L4 (1.9)	DNAH11 (1.7)
SNX17 (2.1)	NRBP1 (2.0)
GDF5 (1.8)	TBKBP1 (1.8)
KRTCAP3 (2.0)	CYP26A1 (1.9)
GOT2P1 (1.7)	ENSG00000236436 (1
APOA4 (1.7)	HNF4A (1.7)
OTX1 (2.2)	HP (2.1)
PMFBP1 (1.6)	GPR61 (1.6)
ATP13A1 (2.1)	DARS (2.0)
KPNB1 (2.5)	PPM1G (2.4)
ZNF513 (1.7)	ENSG00000256731 (1
NFE2L3 (2.0)	TOMM40 (2.0)
NFE2L3 (2.0)	TOMM40 (2.0)
NFE2L3 (2.0)	TOMM40 (2.0)
NFE2L3 (2.0)	TOMM40 (2.0)
NFE2L3 (2.0)	TOMM40 (2.0)
MAMSTR (1.9)	GNAT2 (1.8)
ZNF821 (2.1)	LCT (2.1)
GSTM5 (1.6)	ABCA5 (1.6)
CLPTM1 (1.7)	AMPD2 (1.7)
OTX1 (1.8)	ATXN7L2 (1.7)
NFE2L3 (1.4)	APOA4 (1.4)
ERGIC3 (1.4)	NCAN (1.4)
IFT172 (2.3)	FER1L4 (2.1)
ENSG00000254235 (1	SARS (1.6)
CILP2 (1.8)	ENSG00000226622 (1
IZUMO1 (1.5)	MAMSTR (1.5)
TRAM2 (1.9)	MAFB (1.8)
MAFB (1.5)	MYLIP (1.4)
AMIGO1 (1.9)	APOA4 (1.8)
FUT2 (1.8)	CYB561D1 (1.7)
TM6SF2 (1.5)	LPAL2 (1.5)
HNF4A (1.8)	ENSG00000228044 (1
ENSG00000236267 (1	LPA (1.7)
PLCG1 (1.7)	C12orf43 (1.7)
ENSG00000226806 (1	PVRL2 (1.8)
ENSG00000226806 (1	IZUMO1 (1.9)
DOCK6 (1.7)	GPAM (1.7)

GRINA (1.8)	LPAR2 (1.7)
PVR (1.6)	PARP10 (1.6)
TRIB1 (1.9)	IST1 (1.8)
BCAM (1.9)	ABO (1.7)
C11orf9 (1.7)	DOCK6 (1.6)
KRTCAP3 (1.7)	IZUMO1 (1.6)
YIPF2 (1.7)	LPAL2 (1.7)
ERGIC3 (1.6)	ENSG00000182329 (1
PVRL2 (1.8)	PLCG1 (1.8)
NFE2L3 (1.7)	MAFB (1.7)
PGS1 (1.8)	ABCA5 (1.7)
SLC22A1 (2.9)	HNF4A (2.6)
TIMD4 (2.0)	MAFB (1.9)
C11orf9 (1.5)	LPL (1.5)
RAB3GAP1 (1.9)	MAFB (1.8)
LIPC (2.3)	LCT (2.2)
SMARCA4 (2.1)	NPEPPS (1.8)
HMGCR (1.9)	PVRL2 (1.8)
USP24 (2.3)	FEN1 (2.3)
RASIP1 (1.9)	CBLC (1.9)
NPEPPS (1.8)	LPIN3 (1.8)
ANGPTL3 (2.0)	IZUMO1 (1.6)
OASL (1.7)	NPEPPS (1.7)
CELSR2 (1.9)	CLPTM1 (1.8)
GSTM4 (1.9)	PLCG1 (1.9)
ATXN7L2 (1.9)	C12orf43 (1.7)
DHX38 (2.4)	SUGP1 (2.4)
APOC4 (2.7)	HP (2.7)
ABCA6 (1.9)	PARP10 (1.7)
ABCA6 (1.9)	PARP10 (1.7)
FUT1 (1.5)	ABCA1 (1.5)
PPM1G (2.3)	TOP1 (1.8)
SLC22A3 (1.7)	SORT1 (1.7)
TRIB1 (1.7)	PVR (1.6)
CETP (1.8)	SLC22A3 (1.8)
CARM1 (2.3)	MCM6 (2.2)
TRIB1 (2.0)	GRINA (1.9)
PPM1G (2.4)	SUGP1 (2.4)
GSTM4 (2.7)	ABCA6 (2.7)
CEP250 (1.8)	IFT172 (1.6)
AMIGO1 (1.7)	CEP250 (1.6)
TBKBP1 (1.4)	SLC44A2 (1.4)
IGF2R (1.6)	CARM1 (1.6)
ZNF821 (1.9)	NCAN (1.9)
CLPTM1 (1.8)	KPNB1 (1.8)
ATP13A1 (1.7)	C12orf43 (1.7)
NYNRIN (1.9)	CETP (1.8)
OBP2B (1.5)	PVRL2 (1.4)
OTX1 (1.8)	ABO (1.6)
KANK2 (1.8)	MYLIP (1.7)

KANK2 (1.8)	YSK4 (1.7)
SUGP1 (2.3)	TOMM40 (2.1)
APOC3 (3.0)	LPAL2 (2.9)
COL4A3BP (2.2)	ERGIC3 (2.1)
KPNB1 (2.1)	SARS (1.7)
ABCA6 (1.8)	FUT2 (1.7)
CELSR2 (2.0)	PLEC (2.0)
HAPLN4 (1.9)	DOCK6 (1.9)
BCAM (1.9)	C11orf9 (1.8)
PVRL2 (1.8)	FUT1 (1.8)
CARM1 (2.0)	ENSG00000182329 (1
NUP93 (2.3)	DHX38 (2.1)
ENSG00000244861 (1	C19orf52 (1.7)
PLEC (1.7)	LPAR2 (1.7)
ABO (1.8)	ABCG8 (1.8)
RASIP1 (1.7)	PSRC1 (1.4)
ABCA1 (1.6)	USP24 (1.5)
OBP2B (1.7)	CETP (1.4)
C19orf80 (1.8)	GPAM (1.8)
KANK2 (2.1)	IGF2R (2.0)
YIPF2 (1.9)	TM6SF2 (1.7)
ATP13A1 (2.7)	C12orf43 (2.5)
CETP (2.0)	PLEC (1.9)
CEP250 (1.8)	ABCG5 (1.8)
SPATC1 (1.5)	OBP2B (1.3)
FUT1 (1.7)	AMPD2 (1.5)
C19orf80 (2.4)	KANK2 (2.4)
ENSG00000244861 (1	TRIB1 (1.8)
ENSG00000226648 (1	LPAR2 (1.6)
C12orf43 (1.8)	NPEPPS (1.8)
CLPTM1 (1.5)	IFT172 (1.4)
DNAH11 (1.7)	SLC22A3 (1.6)
FUT1 (1.5)	TRIM54 (1.4)
YIPF2 (2.0)	NCAN (2.0)
ENSG00000236267 (2	LPL (2.1)
C17orf57 (1.8)	PGS1 (1.8)
UBXN4 (1.9)	PVRL2 (1.9)
ATXN7L2 (1.8)	DOCK6 (1.7)
ABCG5 (2.0)	GDF5 (1.8)
CYP26A1 (1.6)	ABCA1 (1.5)
LPIN3 (1.8)	FNDC4 (1.8)
PARP10 (1.8)	FADS2 (1.8)
SLC22A3 (1.8)	ST3GAL4 (1.8)
PMFBP1 (1.5)	TIMD4 (1.4)
CYB561D1 (1.8)	NYNRIN (1.7)
OTX1 (1.5)	ABCG5 (1.5)
LPAR2 (1.9)	ENSG00000256731 (1
C19orf80 (1.6)	ZRANB3 (1.6)
DNAH11 (1.7)	DHODH (1.6)
BCAM (1.7)	PLEC (1.6)

C11orf9 (1.6)	C19orf80 (1.5)
ENSG00000236267 (1	FUT2 (1.8)
RELB (1.5)	ENSG00000244861 (1
LIPG (1.1)	ENSG00000235545 (1
APOC1 (1.7)	PLG (1.6)
OTX1 (1.6)	KRTCAP3 (1.5)
ERGIC3 (1.9)	HNF1A (1.8)
MYLIP (1.9)	HP (1.9)
ENSG00000236436 (1	CEP250 (1.6)
PVRL2 (1.7)	IGF2R (1.7)
SNX17 (1.4)	SUMO1 (1.2)
SORT1 (1.7)	HNF1A (1.6)
ZRANB3 (1.8)	DHX38 (1.7)
GCKR (2.9)	PLG (2.6)
ATP13A1 (2.5)	SUGP1 (1.8)
IZUMO1 (2.3)	LIPG (2.0)
ENSG00000226806 (1	ABCA5 (1.5)
DHX38 (1.8)	R3HDM1 (1.8)
DOCK7 (2.4)	APOC1 (2.4)
CEP250 (1.6)	SORT1 (1.5)
CBLC (1.5)	PSMA5 (1.5)
IGF2R (1.7)	BMPR2 (1.7)
DHX38 (1.9)	IGF2R (1.8)
ZNF821 (1.9)	MAP3K4 (1.8)
NFE2L3 (1.6)	KANK2 (1.5)
C17orf57 (2.0)	FUT1 (1.9)
PVR (1.6)	OASL (1.5)
DOCK7 (2.3)	BUD13 (2.2)
ENSG00000254235 (1	TOP1 (1.3)
TSSK6 (1.9)	R3HDM1 (1.6)
GCKR (1.4)	LPL (1.4)
YIPF2 (2.0)	SLC44A2 (1.9)
NYNRIN (1.9)	POC5 (1.7)
CARM1 (1.9)	CLPTM1 (1.8)
KRTCAP3 (1.5)	MAFB (1.3)
CLPTM1 (1.7)	YSK4 (1.6)
ENSG00000235545 (1	OBP2B (1.7)
SORT1 (1.9)	LIPG (1.8)
PVR (1.7)	BCAM (1.7)
TIMD4 (1.8)	PARP10 (1.7)
SLC22A1 (2.5)	ENSG00000236267 (2
GATAD2A (1.7)	TXNL4B (1.7)
SLC44A2 (1.9)	LDLR (1.8)
ENSG00000226645 (2	SUGP1 (2.2)
ENSG00000235545 (1	DNAH11 (1.6)
ZNF513 (1.9)	ST3GAL4 (1.8)
CILP2 (1.7)	FUT2 (1.6)
ENSG00000226645 (1	AMPD2 (1.6)
OASL (1.5)	FGF21 (1.4)
FEN1 (1.7)	TXNL4B (1.7)

SUGP1 (2.3)	NUP93 (2.1)
GNAI3 (2.0)	ANGPTL3 (2.0)
CARM1 (2.2)	COL4A3BP (2.1)
ENSG00000226806 (1	PLEC (1.4)
LDLR (1.5)	TRIB1 (1.5)
ANGPTL3 (2.0)	CEP250 (2.0)
EHBP1 (1.6)	PVRL2 (1.5)
AMPD2 (2.5)	FEN1 (2.3)
ENSG00000244861 (1	ENSG00000226648 (1
ENSG00000236267 (2	ANGPTL3 (2.4)
C12orf43 (2.2)	PPM1G (2.1)
GPAM (1.7)	FER1L4 (1.6)
FADS2 (1.7)	CYP26A1 (1.6)
APOA4 (2.0)	SPATC1 (2.0)
FGF21 (2.0)	GOT2P1 (2.0)
FGF21 (2.0)	GOT2P1 (2.0)
CETP (1.7)	ABCA1 (1.6)
CYB561D1 (1.6)	USP1 (1.4)
C12orf43 (2.4)	ATP13A1 (2.2)
MAU2 (2.0)	OBP2B (1.9)
PMFBP1 (1.5)	GMIP (1.5)
IGF2R (2.4)	USP24 (2.4)
GMIP (1.7)	ENSG00000236267 (1
PVRL2 (1.9)	TRIB1 (1.9)
LCT (2.2)	HAVCR1 (2.2)
C19orf80 (1.3)	FGF21 (1.2)
SLC22A3 (1.9)	GMIP (1.8)
TRAM2 (2.3)	USP24 (2.2)
IST1 (1.6)	NFE2L3 (1.5)
APOA4 (1.6)	ENSG00000226648 (1
KPNB1 (1.6)	PMFBP1 (1.6)
KANK2 (1.6)	ABCA1 (1.6)
GPAM (1.4)	GCKR (1.3)
NRBP1 (2.2)	TOMM40 (2.0)
C19orf80 (2.2)	SLC22A3 (2.2)
PGS1 (1.6)	CYB561D1 (1.5)
SORT1 (2.3)	LDLR (2.2)
APOA5 (2.2)	ABCG5 (2.1)
ATP13A1 (1.7)	DARS (1.7)
DARS (2.7)	SARS (2.6)
SNX17 (2.0)	SUGP1 (1.9)
HNF4A (2.0)	KRTCAP3 (1.9)
SUGP1 (2.2)	C12orf43 (2.0)
LIPG (1.9)	TRAM2 (1.8)
CLPTM1 (1.7)	BCAM (1.7)
DARS (2.2)	KPNB1 (2.1)
TRAM2 (1.6)	SORT1 (1.5)
TOMM40 (2.3)	PPM1G (2.2)
USP24 (2.4)	FEN1 (2.0)
SUMO1 (1.4)	OTX1 (1.3)

NYNRIN (1.8)	BMPR2 (1.7)
HNF1A (2.4)	ABCG5 (2.3)
GATAD2A (1.8)	GDF5 (1.7)
HP (2.2)	LPAL2 (2.1)
USP1 (2.0)	RAB3GAP1 (1.9)
KPNB1 (2.0)	C19orf52 (1.9)
NFE2L3 (1.9)	PARP10 (1.7)
GNAI3 (2.0)	DHX38 (1.9)
MAP3K4 (1.5)	C19orf80 (1.5)
ENSG00000226622 (1	DHODH (1.7)
GATAD2A (1.7)	ENSG00000236267 (1
ST3GAL4 (1.7)	APOC1 (1.7)
CELSR2 (1.7)	FGF21 (1.6)
FUT2 (1.5)	ENSG00000254235 (1
SMARCA4 (2.4)	DARS (2.3)
C19orf80 (1.7)	GRINA (1.7)
SLC22A3 (1.4)	GRINA (1.3)
ERGIC3 (1.8)	CETP (1.8)
ENSG00000254235 (1	C12orf43 (1.6)
TOP1 (2.3)	DHODH (2.3)
CYP26A1 (1.8)	GSTM5 (1.7)
TRAM2 (2.4)	RASIP1 (2.1)
GSTM4 (1.8)	ENSG00000254235 (1
APOA4 (1.8)	ST3GAL4 (1.8)
APOA4 (1.8)	ST3GAL4 (1.8)
RELB (1.9)	GRINA (1.8)
GSTM4 (2.0)	PBX4 (1.8)
BUD13 (1.6)	RELB (1.5)
KPNB1 (2.2)	TOMM40 (2.1)
GDF5 (1.8)	ENSG00000231204 (1
MAU2 (1.8)	SARS (1.7)
GSTM4 (1.7)	C19orf52 (1.6)
TRAM2 (1.9)	SLC44A2 (1.7)
MAU2 (1.4)	KRTCAP3 (1.4)
PLEC (1.7)	C17orf57 (1.5)
SMARCA4 (2.3)	NRBP1 (2.2)
PARP10 (1.6)	ZNF513 (1.5)
R3HDM1 (1.8)	NRBP1 (1.7)
HAVCR1 (1.5)	LPL (1.5)
PVRL2 (1.3)	LCT (1.3)
LIPG (1.7)	YSK4 (1.6)
RELB (1.9)	IZUMO1 (1.7)
GSTM4 (2.1)	SPATC1 (2.0)
GATAD2A (1.5)	PBX4 (1.3)
SLC44A2 (1.6)	SMARCA4 (1.6)
LPAR2 (2.0)	C11orf9 (1.9)
ENSG00000226648 (1	NCAN (1.6)
YIPF2 (1.4)	MYLIP (1.3)
KRTCAP3 (1.7)	CILP2 (1.6)
TRAM2 (2.1)	RASIP1 (2.0)

AMIGO1 (1.9)	ZHX3 (1.8)
UBXN4 (2.0)	RAB3GAP1 (1.9)
C17orf57 (1.6)	ABCA5 (1.5)
C12orf43 (1.8)	SUGP1 (1.8)
COL4A3BP (1.5)	MAP3K4 (1.5)
TXNL4B (2.0)	FGF21 (1.9)
CETP (1.9)	MYLIP (1.8)
SLC22A2 (1.9)	SLC44A2 (1.9)
APOA4 (2.1)	GSTM4 (2.0)
MYLIP (1.2)	ENSG00000228044 (1
MAFB (1.7)	IGF2R (1.6)
GCKR (1.7)	ABCG5 (1.7)
TOMM40 (2.3)	NRBP1 (2.2)
NFE2L3 (2.0)	HNF4A (2.0)
PSMA5 (2.3)	AMPD2 (2.3)
DHODH (1.4)	CBLC (1.3)
DARS (2.5)	DHODH (2.5)
HAVCR1 (2.0)	TBKBP1 (1.7)
PPM1G (2.1)	ENSG00000226645 (1
DARS (1.8)	NYNRIN (1.7)
PLCG1 (1.6)	YIPF2 (1.6)
TIMD4 (1.8)	MAFB (1.6)
CEP250 (2.2)	FEN1 (2.1)
ENSG00000226648 (2	MCM6 (2.2)
C12orf43 (1.6)	ENSG00000236267 (1
DARS (2.1)	ATP13A1 (2.0)
ZHX3 (1.8)	IFT172 (1.8)
SMARCA4 (2.7)	USP1 (2.6)
C12orf43 (1.7)	GSTM4 (1.6)
FUT1 (1.6)	PARP10 (1.6)
GSTM4 (1.8)	ZNF513 (1.8)
APOC1 (2.1)	ABCG8 (2.0)
BCAM (1.7)	FUT2 (1.7)
LPIN3 (1.9)	ABCA1 (1.9)
ATXN1L (2.0)	EHBP1 (1.8)
LCT (1.6)	C19orf80 (1.6)
TSSK6 (1.7)	NFE2L3 (1.6)
NRBP1 (2.3)	COL4A3BP (2.2)
SLC44A2 (2.0)	LCT (1.8)
HNF1A (2.3)	IGF2R (2.0)
NFE2L3 (2.0)	SNX17 (1.9)
SLC22A1 (1.4)	IZUMO1 (1.4)
IFT172 (2.0)	LPIN3 (1.9)
IGF2R (2.2)	ATXN7L2 (2.1)
NPEPPS (2.0)	PCSK9 (1.9)
AMPD2 (1.9)	DARS (1.9)
TM6SF2 (2.0)	APOA4 (2.0)
APOA5 (1.9)	ABCG8 (1.9)
BMPR2 (1.7)	ST3GAL4 (1.6)
GSTM5 (1.8)	IZUMO1 (1.7)

APOA4 (1.7)	TM6SF2 (1.7)
ABCA1 (2.0)	LCT (2.0)
EHBP1 (1.6)	NYNRIN (1.5)
CETP (1.6)	LPA (1.5)
NFE2L3 (1.8)	CBLC (1.8)
CEP250 (1.6)	ENSG00000235545 (1
OASL (2.1)	APOE (1.9)
AMPD2 (2.3)	ENSG00000226645 (2
ATXN7L2 (1.5)	TXNL4B (1.5)
USP1 (2.6)	IST1 (2.4)
GCKR (3.1)	ENSG00000226622 (3
ERGIC3 (1.6)	PVRL2 (1.6)
AMPD2 (2.2)	ENSG00000226645 (2
TRIM54 (1.6)	PVRL2 (1.6)
GCKR (1.2)	LIPG (1.2)
PVR (1.5)	GPR61 (1.5)
FUT2 (1.9)	PMFBP1 (1.8)
ATP13A1 (2.6)	KPNB1 (2.5)
OBP2B (1.4)	TOP1 (1.3)
ST3GAL4 (1.8)	GMIP (1.8)
FEN1 (2.3)	SARS (2.3)
ABCA5 (1.8)	SLC22A3 (1.7)
TOP1 (2.3)	SARS (2.3)
ABCA1 (1.4)	RAB3GAP1 (1.4)
TOMM40 (1.7)	NPEPPS (1.7)
NRBP1 (1.5)	GPAM (1.5)
IZUMO1 (1.5)	APOE (1.4)
ERGIC3 (1.5)	RELB (1.4)
ENSG00000236267 (1	GRINA (1.7)
DOCK7 (2.0)	YIPF2 (2.0)
APOC1 (1.7)	NOP58 (1.7)
C19orf80 (2.0)	GPAM (1.9)
GCKR (1.4)	OBP2B (1.4)
ENSG00000235545 (1	LDLR (1.7)
AMPD2 (2.4)	DARS (2.2)
TOP1 (1.6)	CARM1 (1.6)
SMARCA4 (2.4)	FEN1 (2.3)
LPIN3 (2.1)	LPAR2 (2.1)
NPEPPS (1.7)	GRINA (1.7)
TSSK6 (1.6)	ATXN7L2 (1.6)
TOMM40 (1.3)	FUT2 (1.3)
DHODH (1.3)	KANK2 (1.2)
ABCG8 (1.5)	ABCA5 (1.5)
PLCG1 (1.7)	ATXN7L2 (1.6)
ZNF513 (1.7)	ENSG00000231204 (1
LPAL2 (1.9)	APOA4 (1.9)
LPAL2 (1.9)	APOA4 (1.9)
DOCK6 (1.8)	NPEPPS (1.8)
ABCG8 (1.6)	SLC22A1 (1.6)
PARP10 (1.9)	MAFB (1.9)

EHBP1 (1.7)	ZHX3 (1.6)
KPNB1 (1.6)	ENSG00000235545 (1
KPNB1 (1.6)	FUT2 (1.6)
PARP10 (1.7)	APOE (1.6)
ABCA1 (1.8)	APOE (1.7)
PPM1G (1.7)	TXNL4B (1.7)
PBX4 (1.7)	GMIP (1.5)
LCT (2.1)	ENSG00000256731 (2
ZNF821 (1.4)	IGF2R (1.4)
NUP93 (2.1)	TOP1 (2.0)
GSTM5 (1.6)	KANK2 (1.4)
NYNRIN (1.7)	FNDC4 (1.7)
POLK (1.6)	PMFBP1 (1.6)
ENSG00000235545 (1	ENSG00000228044 (1
ABCA5 (1.9)	LPL (1.8)
GNAT2 (2.4)	FUT2 (2.1)
IGF2R (1.9)	PLEC (1.9)
FER1L4 (2.0)	PLEC (2.0)
TOP1 (2.3)	DARS (2.2)
YSK4 (1.6)	GOT2P1 (1.6)
LPAL2 (1.5)	SLC22A3 (1.4)
GMIP (1.6)	GATAD2A (1.6)
CYB561D1 (1.7)	SORT1 (1.6)
GMIP (2.1)	NFE2L3 (2.0)
KRTCAP3 (1.6)	CBLC (1.5)
RASIP1 (2.4)	LIPG (2.3)
CETP (1.8)	SLC44A2 (1.7)
SORT1 (1.9)	PGS1 (1.9)
BMPR2 (1.6)	MYLIP (1.5)
C19orf52 (1.6)	NYNRIN (1.6)
DHX38 (1.9)	AMPD2 (1.8)
ERGIC3 (1.7)	CYP26A1 (1.6)
ENSG00000244861 (1	LPAL2 (1.5)
ERGIC3 (1.5)	PVRL2 (1.5)
ATP13A1 (2.0)	TOP1 (1.9)
LPAR2 (1.9)	IZUMO1 (1.9)
LPL (1.4)	SARS (1.4)
AMIGO1 (2.2)	GATAD2A (2.0)
ATXN1L (1.7)	NYNRIN (1.7)
PVR (2.2)	GRINA (1.9)
PLG (2.1)	SLC22A2 (2.1)
IZUMO1 (1.5)	ENSG00000226645 (1
PMFBP1 (1.5)	HP (1.5)
FUT2 (1.7)	TRAM2 (1.5)
DNAH11 (1.9)	PGS1 (1.8)
UBXN4 (2.0)	COL4A3BP (1.9)
DHX38 (1.9)	GSTM5 (1.8)
FEN1 (2.4)	SUGP1 (2.3)
TRAM2 (1.9)	LIPG (1.8)
IGF2R (1.6)	HNF4A (1.6)

BMPR2 (1.7)	APOA4 (1.6)
SLC22A3 (1.9)	RELB (1.7)
ENSG00000244861 (1	DOCK7 (1.8)
DOCK6 (1.5)	USP24 (1.5)
APOC4 (1.8)	TOMM40 (1.7)
LPAR2 (1.9)	FUT1 (1.8)
TSSK6 (1.8)	LIPC (1.7)
CETP (2.0)	ENSG00000226806 (1
ENSG00000244861 (1	DHX38 (1.8)
GNAI3 (1.9)	DHODH (1.8)
APOA4 (1.8)	LPAR2 (1.8)
DHX38 (2.4)	USP24 (2.4)
HAVCR1 (2.5)	CETP (2.3)
TRAM2 (2.4)	CLPTM1 (2.3)
SLC44A2 (2.2)	SORT1 (2.0)
AMPD2 (1.8)	GMIP (1.8)
ENSG00000226648 (2	MAFB (1.9)
LDLR (1.5)	SLC44A2 (1.5)
ZHX3 (1.7)	GOT2P1 (1.6)
GRINA (1.7)	FUT2 (1.7)
LIPG (2.0)	SLC44A2 (2.0)
DOCK7 (2.1)	DHX38 (2.0)
NFE2L3 (2.5)	ZRANB3 (2.1)
NFE2L3 (2.5)	ZRANB3 (2.1)
PLEC (1.7)	ATXN7L2 (1.6)
PLEC (1.7)	ATXN7L2 (1.6)
LPAL2 (2.0)	ENSG00000254235 (1
HMGCR (1.6)	POC5 (1.5)
HAVCR1 (1.5)	PBX4 (1.3)
NFE2L3 (1.8)	OBP2B (1.5)
SLC22A1 (1.8)	GCKR (1.6)
GSTM5 (1.7)	AMPD2 (1.7)
FUT1 (1.9)	LPAR2 (1.9)
USP24 (2.4)	MAU2 (2.3)
ZHX3 (1.5)	TXNL4B (1.4)
PPM1G (1.8)	GATAD2A (1.8)
USP24 (2.3)	LPAR2 (2.2)
BCAM (1.8)	RELB (1.4)
ATP13A1 (2.2)	IFT172 (2.2)
EHBP1 (2.1)	PSRC1 (2.0)
BMPR2 (2.4)	PBX4 (2.3)
USP24 (2.5)	R3HDM1 (2.5)
POLK (1.7)	RASIP1 (1.6)
NUP93 (1.7)	CLPTM1 (1.7)
SMARCA4 (1.8)	GOT2P1 (1.7)
ENSG00000256731 (1	NYNRIN (1.7)
DNAH11 (1.9)	HMGCR (1.8)
SORT1 (2.0)	IFT172 (1.7)
USP1 (2.2)	FEN1 (2.0)
LPAR2 (2.4)	RAB3GAP1 (2.3)

RASIP1 (1.9)	ATXN7L2 (1.9)
RASIP1 (1.9)	ATXN7L2 (1.9)
IST1 (1.4)	GNAI3 (1.4)
ENSG00000254235 (1	FUT2 (1.3)
IGF2R (2.4)	SUGP1 (2.3)
LDLR (1.5)	HNF4A (1.5)
PBX4 (1.9)	ST3GAL4 (1.9)
MYLIP (2.2)	PLG (2.2)
GDF5 (1.7)	ABCA1 (1.7)
DARS (1.9)	C12orf43 (1.8)
NRBP1 (2.3)	ATXN1L (2.3)
ENSG00000231204 (1	HNF1A (1.8)
ABO (2.6)	PMFBP1 (2.4)
LPAR2 (1.7)	SLC44A2 (1.6)
MAMSTR (1.5)	GOT2P1 (1.5)
APOC4 (1.7)	PCSK9 (1.7)
DARS (2.1)	NFE2L3 (1.9)
COL4A3BP (1.7)	CELSR2 (1.7)
PVRL2 (1.6)	TRIB1 (1.6)
PPM1G (1.6)	GNAI3 (1.5)
DNAH11 (1.7)	PCSK9 (1.6)
ENSG00000254235 (1	SPATC1 (1.4)
LIPG (2.3)	HNF1A (2.2)
ABCA1 (1.8)	ZRANB3 (1.8)
NYNRIN (1.5)	TRAM2 (1.4)
FGF21 (1.7)	FNDC4 (1.7)
GPR61 (2.3)	APOC4 (2.2)
LPL (1.4)	C19orf80 (1.4)
C19orf80 (1.6)	ABCG5 (1.6)
MCM6 (1.9)	ATXN1L (1.8)
KPNB1 (2.0)	SUGP1 (2.0)
KPNB1 (2.0)	SUGP1 (2.0)
KPNB1 (2.0)	SUGP1 (2.0)
DHX38 (1.9)	ZNF513 (1.8)
TOP1 (2.0)	GATAD2A (1.9)
NFE2L3 (2.5)	NUP93 (2.4)
ANGPTL3 (1.5)	GCKR (1.5)
NPEPPS (2.4)	SARS (1.9)
LIPG (1.6)	GPAM (1.6)
SUMO1 (2.1)	NUP93 (2.0)
ENSG00000182329 (2	LPA (1.9)
PPM1G (1.7)	SARS (1.7)
LPA (1.7)	PLG (1.7)
TRIB1 (1.7)	ENSG00000226648 (1
KPNB1 (2.3)	SUGP1 (2.3)
LIPG (2.2)	ENSG00000226622 (2
LCT (2.2)	IFT172 (2.2)
SARS (1.7)	SUGP1 (1.7)
SARS (2.2)	PPM1G (2.2)
PLEC (2.1)	HAVCR1 (2.1)

TBKBP1 (2.0)	ZNF821 (2.0)
ABCG5 (1.5)	APOA4 (1.5)
TRAM2 (1.4)	COL4A3BP (1.4)
GPAM (2.2)	BCAM (2.2)
ERGIC3 (2.7)	SORT1 (2.2)
ZNF821 (1.9)	KPNB1 (1.9)
C12orf43 (2.1)	PSRC1 (2.1)
ST3GAL4 (1.4)	ENSG00000226648 (1
BUD13 (1.9)	C19orf52 (1.8)
SMARCA4 (2.4)	COL4A3BP (2.1)
AMIGO1 (2.1)	ERGIC3 (2.0)
ABCA1 (1.8)	LDLR (1.8)
CEP250 (1.4)	LIPC (1.2)
MYLIP (1.9)	GSTM4 (1.8)
PGS1 (1.6)	GATAD2A (1.5)
AMIGO1 (1.7)	ST3GAL4 (1.7)
YSK4 (2.8)	LCT (2.7)
ENSG00000236436 (2	DHX38 (2.5)
C19orf52 (1.5)	C17orf57 (1.5)
CARM1 (2.1)	SARS (2.0)
PLCG1 (2.0)	YIPF2 (1.9)
FADS1 (1.4)	ENSG00000226622 (1
KPNB1 (2.3)	USP24 (2.3)
DHX38 (1.9)	OBP2B (1.7)
USP1 (1.7)	ENSG00000244861 (1
OBP2B (2.3)	DHODH (2.3)
DOCK7 (2.0)	NUP93 (1.9)
DOCK7 (1.5)	GPR61 (1.4)
PARP10 (1.7)	DHX38 (1.7)
SLC22A1 (1.8)	ENSG00000226645 (1
TOMM40 (2.4)	GNAI3 (2.4)
ATXN7L2 (1.7)	MYLIP (1.7)
SLC22A3 (2.1)	C11orf9 (2.1)
SMARCA4 (2.6)	FADS1 (2.5)
GPR61 (1.9)	FADS1 (1.6)
ZNF513 (1.6)	RASIP1 (1.6)
FER1L4 (1.5)	GPR61 (1.5)
AMPD2 (2.1)	HNF4A (2.1)
ATXN1L (2.2)	SMARCA4 (2.2)
GSTM4 (1.9)	FUT2 (1.9)
PLG (1.8)	ABCA1 (1.8)
TRAM2 (1.8)	ST3GAL4 (1.7)
PLCG1 (1.8)	ERGIC3 (1.8)
PARP10 (1.8)	ENSG00000182329 (1
C19orf52 (1.8)	PPM1G (1.7)
ABO (2.1)	CELSR2 (2.0)
ENSG00000235545 (1	PVRL2 (1.8)
C12orf43 (1.9)	TRAM2 (1.9)
GDF5 (1.6)	RELB (1.5)
ATXN7L2 (1.9)	IGF2R (1.9)

ABCA5 (1.9)	MAFB (1.8)
MAFB (1.4)	ENSG00000254235 (1
USP1 (2.1)	NOP58 (2.1)
IST1 (1.8)	GMIP (1.8)
TSSK6 (1.7)	KRTCAP3 (1.6)
DHX38 (1.8)	SMARCA4 (1.8)
MAP3K4 (2.1)	FEN1 (1.9)
ATXN7L2 (2.0)	POLK (1.9)
KPNB1 (2.2)	FEN1 (2.1)
GPAM (2.3)	KRTCAP3 (2.3)
KANK2 (1.7)	ZHX3 (1.7)
FEN1 (2.7)	SUGP1 (2.7)
ENSG00000236436 (2	APOA5 (2.0)
AMIGO1 (1.9)	USP24 (1.7)
MYLIP (1.7)	BUD13 (1.7)
GDF5 (1.8)	KPNB1 (1.8)
PMFBP1 (1.9)	FUT1 (1.8)
AMIGO1 (1.8)	APOE (1.7)
DOCK6 (1.6)	C17orf57 (1.5)
C19orf80 (2.0)	APOA4 (1.9)
GDF5 (1.9)	FADS2 (1.7)
PLEC (1.6)	BMPR2 (1.6)
BCAM (1.5)	FADS1 (1.5)
SNX17 (1.6)	TRIB1 (1.5)
SUGP1 (1.7)	NRBP1 (1.6)
GMIP (1.9)	GSTM5 (1.7)
PLCG1 (1.8)	NFE2L3 (1.8)
IGF2R (1.8)	APOC1 (1.8)
NRBP1 (1.7)	TOMM40 (1.6)
NRBP1 (1.7)	TOMM40 (1.6)
NRBP1 (1.7)	TOMM40 (1.6)
APOC4 (2.5)	GCKR (2.2)
GOT2P1 (1.8)	ENSG00000235545 (1
TOP1 (2.2)	GNAI3 (2.1)
MAFB (1.3)	CYB561D1 (1.2)
POC5 (1.9)	DARS (1.9)
GPAM (1.7)	CETP (1.6)
DHODH (1.8)	FER1L4 (1.7)
ABO (1.5)	SORT1 (1.4)
PLCG1 (2.0)	ABCA1 (1.8)
FUT1 (1.8)	PCSK9 (1.8)
HNF4A (1.7)	ST3GAL4 (1.6)
ENSG00000256731 (2	GPAM (2.2)
NUP93 (1.9)	DOCK7 (1.9)
ABCA1 (1.3)	RAB3GAP1 (1.2)
ENSG00000256731 (2	FADS1 (2.0)
PSMA5 (1.8)	GNAI3 (1.7)
CYP26A1 (1.8)	MAFB (1.8)
ST3GAL4 (1.6)	KPNB1 (1.6)
SYPL2 (1.7)	BUD13 (1.7)

LCT (2.2)	NCAN (2.0)
ZNF821 (1.8)	TOMM40 (1.8)
GATAD2A (1.6)	ENSG00000226648 (1
APOE (1.9)	NCAN (1.8)
C17orf57 (1.8)	SLC22A2 (1.8)
OBP2B (1.7)	LPIN3 (1.7)
NFE2L3 (1.7)	IGF2R (1.7)
LPIN3 (1.7)	LPAR2 (1.6)
CELSR2 (1.8)	FNDC4 (1.8)
PSMA5 (2.5)	IST1 (2.4)
R3HDM1 (1.8)	OBP2B (1.8)
UBXN4 (1.9)	PVRL2 (1.7)
SUGP1 (1.7)	ENSG00000235545 (1
ATP13A1 (2.4)	SUGP1 (2.3)
SMARCA4 (2.0)	IGF2R (1.8)
GDF5 (1.7)	MAFB (1.5)
MAFB (1.5)	FUT2 (1.5)
RASIP1 (1.7)	CELSR2 (1.5)
HMGCR (2.0)	APOC4 (1.9)
C12orf43 (1.5)	CYP26A1 (1.5)
KANK2 (1.5)	CYP26A1 (1.4)
SUGP1 (1.6)	KPNB1 (1.5)
PARP10 (1.8)	SMARCA4 (1.8)
LIPG (1.5)	GPAM (1.4)
KANK2 (1.7)	PVRL2 (1.4)
KANK2 (1.7)	PVRL2 (1.4)
ENSG00000236267 (1	APOE (1.5)
LIPG (1.8)	PVRL2 (1.7)
CARM1 (2.3)	PSRC1 (2.2)
KRTCAP3 (2.1)	MAP3K4 (2.1)
GNAT2 (1.7)	PVRL2 (1.5)
TOMM40 (1.7)	SARS (1.7)
TOMM40 (1.7)	SARS (1.7)
CYP26A1 (1.4)	ERGIC3 (1.4)
PLG (2.2)	APOC1 (2.1)
IGF2R (1.7)	HNF1A (1.6)
ZRANB3 (1.9)	SLC22A2 (1.8)
ABCG5 (1.5)	LPAL2 (1.4)
BUD13 (2.6)	KPNB1 (2.5)
CEP250 (1.9)	PSMA5 (1.7)
CYB561D1 (1.6)	PARP10 (1.6)
CYP26A1 (1.6)	MAU2 (1.5)
ZNF513 (1.5)	LPL (1.3)
LPAR2 (1.7)	APOE (1.7)
YIPF2 (1.7)	ATXN1L (1.4)
FER1L4 (1.9)	MAP3K4 (1.9)
OASL (1.7)	ENSG00000256731 (1
ENSG00000236267 (2	RELB (2.0)
GNAT2 (1.7)	SNX17 (1.6)
C17orf57 (1.6)	FUT2 (1.6)

HAPLN4 (2.0)	C11orf9 (1.9)
IZUMO1 (1.6)	ATP13A1 (1.4)
CEP250 (1.8)	PARP10 (1.8)
PVR (1.4)	RELB (1.4)
C19orf80 (1.6)	ENSG00000226648 (1
PVRL2 (1.5)	DOCK6 (1.5)
UBXN4 (2.4)	NPEPPS (2.0)
SMARCA4 (2.2)	ENSG00000226806 (2
SMARCA4 (2.2)	ENSG00000226806 (2
ABCA5 (1.8)	SLC44A2 (1.7)
AMPD2 (1.7)	GOT2P1 (1.6)
SUGP1 (2.3)	GATAD2A (2.2)
GPAM (1.5)	GSTM5 (1.5)
C19orf80 (2.2)	GCKR (2.1)
KPNB1 (2.3)	FEN1 (2.2)
OBP2B (1.7)	PLCG1 (1.7)
SUGP1 (2.3)	POLK (2.1)
COL4A3BP (1.6)	ATP13A1 (1.6)
SORT1 (2.1)	YSK4 (2.0)
GSTM5 (1.9)	GNAT2 (1.7)
SLC22A3 (1.3)	GSTM4 (1.3)
AMPD2 (1.9)	ENSG00000235545 (1
NUP93 (1.4)	GOT2P1 (1.3)
TBKBP1 (1.7)	SLC22A3 (1.6)
GRINA (2.3)	APOC4 (2.2)
LDLR (1.7)	DOCK6 (1.6)
ENSG00000236267 (1	BUD13 (1.6)
SLC22A2 (1.7)	TSSK6 (1.7)
LPAL2 (1.5)	ABCA1 (1.5)
SUGP1 (1.8)	TOMM40 (1.7)
ZNF821 (1.7)	ENSG00000254235 (1
ENSG00000226622 (2	RELB (1.9)
APOE (2.1)	ENSG00000226806 (2
ENSG00000226645 (2	IST1 (2.0)
PPM1G (1.7)	PARP10 (1.6)
ABCA1 (1.7)	ATXN1L (1.6)
SUMO1 (1.9)	ENSG00000235545 (1
ZRANB3 (1.9)	ATP13A1 (1.9)
ABCA1 (2.0)	ENSG00000226806 (1
RELB (1.8)	KANK2 (1.8)
SUMO1 (1.8)	IFT172 (1.7)
RELB (1.7)	ATXN7L2 (1.6)
PVR (1.5)	ZNF513 (1.3)
PARP10 (1.7)	TOMM40 (1.7)
LPL (2.3)	TRAM2 (1.9)
KANK2 (1.6)	NYNRIN (1.5)
ATP13A1 (2.0)	PLEC (1.9)
ATXN7L2 (1.7)	C11orf9 (1.7)
APOC4 (2.6)	SLC22A1 (2.4)
ABCG5 (1.9)	FUT1 (1.8)

ABCA1 (1.7)	RAB3GAP1 (1.5)
PARP10 (2.1)	COL4A3BP (1.7)
GDF5 (2.0)	ENSG00000226622 (1
SMARCA4 (1.7)	HAVCR1 (1.7)
LPAR2 (2.2)	KANK2 (2.2)
CBLC (1.6)	ENSG00000226645 (1
GMIP (1.6)	GRINA (1.4)
NYNRIN (1.5)	ATXN7L2 (1.5)
NRBP1 (1.9)	PSMA5 (1.9)
GPR61 (1.5)	BUD13 (1.5)
APOC1 (2.2)	HNF1A (2.0)
APOA4 (2.0)	APOC3 (2.0)
LPAR2 (1.8)	BMPR2 (1.7)
PARP10 (1.6)	APOC1 (1.6)
APOC3 (2.1)	CELSR2 (2.0)
LIPC (1.6)	DOCK7 (1.5)
FADS1 (1.7)	ENSG00000236267 (1
GATAD2A (2.4)	SUGP1 (2.3)
BCAM (1.5)	LPIN3 (1.5)
PLEC (1.8)	RASIP1 (1.8)
SUGP1 (2.5)	PPM1G (2.4)
LCT (2.2)	HNF4A (2.2)
FADS1 (1.8)	HNF1A (1.8)
CYB561D1 (1.7)	OBP2B (1.7)
EHBP1 (1.8)	LCT (1.8)
ENSG00000228044 (1	TRAM2 (1.3)
GNAI3 (2.0)	GPAM (1.8)
SMARCA4 (1.4)	FNDC4 (1.4)
DOCK7 (2.3)	HNF4A (2.2)
SARS (2.0)	ABCA5 (1.9)
ENSG00000226645 (1	DNAH11 (1.5)
SORT1 (1.7)	FADS2 (1.6)
ATP13A1 (2.5)	ENSG00000226645 (2
PPM1G (2.1)	KPNB1 (2.1)
TOMM40 (2.0)	SNX17 (1.9)
GRINA (1.6)	BMPR2 (1.6)
IST1 (1.9)	ST3GAL4 (1.9)
FER1L4 (1.8)	GNAT2 (1.7)
PLCG1 (1.9)	USP1 (1.8)
RAB3GAP1 (1.8)	KANK2 (1.8)
KANK2 (1.8)	LPAL2 (1.6)
PVRL2 (1.6)	GCKR (1.5)
CETP (2.2)	MAMSTR (2.1)
TRAM2 (1.9)	PLCG1 (1.9)
TRIM54 (1.6)	ENSG00000236267 (1
IGF2R (2.1)	HAPLN4 (2.0)
CYB561D1 (1.7)	ABCA1 (1.7)
CYB561D1 (1.7)	ABCA1 (1.7)
CETP (1.7)	ENSG00000244861 (1
BUD13 (1.8)	ENSG00000182329 (1

OTX1 (1.6)	HNF1A (1.5)
OBP2B (2.2)	APOC3 (2.2)
NFE2L3 (1.6)	ENSG00000244861 (1
GATAD2A (1.7)	GMIP (1.7)
GNAT2 (1.9)	TRAM2 (1.7)
USP24 (2.4)	FEN1 (2.0)
FER1L4 (1.7)	ENSG00000226622 (1
TIMD4 (1.6)	PPM1G (1.5)
SUMO1 (1.7)	TXNL4B (1.7)
FADS2 (2.1)	ABCA1 (1.9)
LIPG (1.7)	LPAR2 (1.6)
LIPG (1.7)	LPAR2 (1.6)
CEP250 (1.6)	ENSG00000228044 (1
SPATC1 (1.9)	GRINA (1.8)
GNAT2 (1.9)	GOT2P1 (1.9)
AMPD2 (1.5)	KPNB1 (1.4)
FUT2 (1.4)	MAFB (1.3)
PPM1G (2.0)	MCM6 (1.8)
SLC44A2 (1.5)	GMIP (1.5)
PPM1G (1.7)	TOMM40 (1.6)
ERGIC3 (1.4)	BCAM (1.3)
RASIP1 (1.6)	NYNRIN (1.4)
DHX38 (1.9)	AMPD2 (1.9)
BUD13 (2.1)	SMARCA4 (2.0)
ENSG00000236267 (1	PVR (1.1)
DARS (1.7)	UBXN4 (1.7)
MAFB (2.0)	HNF4A (1.8)
ENSG00000228044 (1	MAFB (1.5)
SUGP1 (1.7)	NRBP1 (1.7)
SUGP1 (1.7)	NRBP1 (1.7)
SMARCA4 (2.3)	SUGP1 (2.2)
TOP1 (1.1)	TIMD4 (1.0)
PSMA5 (2.1)	ENSG00000226645 (1
PMFBP1 (1.8)	GSTM5 (1.8)
SMARCA4 (2.4)	PPM1G (2.4)
CYB561D1 (1.6)	C12orf43 (1.5)
PVRL2 (1.8)	FUT1 (1.8)
PVRL2 (1.8)	FUT1 (1.8)
PVRL2 (1.8)	FUT1 (1.8)
FNDC4 (1.7)	FADS1 (1.6)
CARM1 (1.5)	GRINA (1.4)
FADS1 (2.2)	DNAH11 (2.1)
DHODH (1.3)	TRIB1 (1.3)
GPAM (2.1)	ENSG00000256731 (1
CETP (2.0)	ATXN1L (1.8)
CBLC (1.8)	AMPD2 (1.8)
TXNL4B (2.0)	GOT2P1 (1.8)
NYNRIN (1.8)	CYP26A1 (1.7)
DHX38 (2.5)	GOT2P1 (2.0)
GNAT2 (2.0)	DHX38 (2.0)

OASL (1.5)	POLK (1.5)
ENSG00000244861 (1	NFE2L3 (1.5)
ZHX3 (1.3)	DOCK7 (1.3)
PSMA5 (1.7)	NFE2L3 (1.7)
ABCA1 (1.9)	PBX4 (1.7)
ZRANB3 (1.9)	TOP1 (1.9)
GOT2P1 (1.7)	LPA (1.6)
ENSG00000236436 (1	ENSG00000236267 (1
CYB561D1 (1.4)	TRAM2 (1.4)
IZUMO1 (1.4)	GNAT2 (1.4)
KRTCAP3 (2.1)	PVRL2 (1.8)
UBXN4 (2.0)	TRIB1 (1.7)
SLC22A1 (2.3)	ZHX3 (2.2)
ZNF259 (1.8)	GNAI3 (1.7)
SUGP1 (2.3)	BUD13 (2.2)
LCT (2.7)	GSTM4 (2.3)
PLCG1 (1.6)	CEP250 (1.6)
TOP1 (2.0)	C17orf57 (1.9)
SLC22A2 (1.6)	ABO (1.6)
FGF21 (1.9)	APOC4 (1.8)
KPNB1 (2.4)	APOC4 (2.2)
ENSG00000256731 (2	CILP2 (1.9)
TXNL4B (1.8)	MYLIP (1.6)
POC5 (2.1)	GPAM (1.8)
LIPG (1.7)	YIPF2 (1.7)
TRAM2 (1.6)	RELB (1.6)
DHODH (1.9)	SORT1 (1.9)
CELSR2 (2.0)	FNDC4 (2.0)
PVR (1.7)	FER1L4 (1.6)
HP (1.9)	APOC3 (1.9)
DOCK6 (2.0)	USP24 (1.8)
CARM1 (1.6)	ENSG00000235545 (1
IGF2R (1.4)	APOB (1.4)
USP1 (2.3)	MCM6 (2.2)
CELSR2 (2.1)	CARM1 (2.1)
CETP (1.7)	TIMD4 (1.7)
ENSG00000236267 (2	GSTM5 (1.7)
LDLR (1.6)	FUT2 (1.5)
DOCK7 (2.0)	ENSG00000226622 (1
DHX38 (2.4)	GNAI3 (2.3)
LPAR2 (1.9)	R3HDM1 (1.8)
ENSG00000244861 (1	C17orf57 (1.5)
LPAL2 (2.0)	SLC22A3 (1.9)
CEP250 (2.0)	CARM1 (1.9)
C19orf80 (2.3)	ENSG00000244861 (2
C19orf80 (2.3)	ENSG00000244861 (2
IST1 (1.7)	TOMM40 (1.7)
KRTCAP3 (1.8)	NYNRIN (1.8)
CEP250 (2.5)	SUMO1 (2.5)
APOE (1.5)	GSTM5 (1.5)

CEP250 (1.1)	RELB (1.1)
C19orf52 (1.8)	SLC22A1 (1.8)
SMARCA4 (2.1)	PGS1 (2.0)
ABCG8 (1.4)	TIMD4 (1.3)
LPIN3 (2.1)	PLEC (2.0)
ERGIC3 (1.5)	FER1L4 (1.5)
TOP1 (1.8)	PVRL2 (1.8)
ZRANB3 (1.6)	TIMD4 (1.5)
MAP3K4 (1.9)	GATAD2A (1.9)
CEP250 (2.0)	AMPD2 (1.8)
HNF1A (1.7)	ZNF513 (1.7)
ABCA1 (1.6)	IGF2R (1.6)
GOT2P1 (1.8)	ANGPTL3 (1.7)
ZNF513 (1.5)	USP24 (1.4)
POLK (2.1)	YIPF2 (2.0)
UBXN4 (1.4)	YSK4 (1.4)
SUGP1 (2.4)	SARS (2.4)
HNF1A (1.7)	SORT1 (1.6)
OTX1 (1.9)	ENSG00000236267 (1
USP24 (2.6)	DOCK7 (2.5)
SNX17 (2.1)	SMARCA4 (2.0)
PLEC (1.9)	ERGIC3 (1.7)
NRBP1 (1.7)	TOMM40 (1.7)
PSMA5 (2.5)	NRBP1 (2.3)
ST3GAL4 (1.5)	ZRANB3 (1.4)
C17orf57 (1.6)	NCAN (1.6)
C19orf52 (1.6)	ST3GAL4 (1.4)
GRINA (1.4)	TIMD4 (1.3)
LIPG (2.1)	POLK (2.1)
USP1 (2.7)	IST1 (2.6)
ENSG00000228044 (1	ENSG00000236267 (1
FEN1 (2.1)	DHX38 (2.0)
SUGP1 (1.6)	NRBP1 (1.6)
GMIP (1.4)	ENSG00000228044 (1
FNDC4 (1.6)	PMFBP1 (1.5)
KPNB1 (1.6)	TOMM40 (1.6)
TXNL4B (1.9)	FUT1 (1.8)
ABCA6 (1.5)	CEP250 (1.4)
PCSK9 (1.5)	ABCA6 (1.4)
GATAD2A (1.8)	NRBP1 (1.6)
GOT2P1 (2.0)	SMARCA4 (1.7)
MAMSTR (1.6)	ENSG00000244861 (1
MAFB (1.5)	PGS1 (1.5)
ENSG00000244861 (1	CEP250 (1.3)
MCM6 (2.6)	KPNB1 (2.6)
CARM1 (1.9)	DOCK6 (1.7)
NYNRIN (1.7)	TRAM2 (1.6)
TOMM40 (2.2)	ZNF259 (2.1)
CYB561D1 (1.8)	MAMSTR (1.7)
APOE (1.6)	PLEC (1.6)

IGF2R (1.5)	KRTCAP3 (1.3)
ZRANB3 (1.9)	C19orf52 (1.8)
EHBP1 (1.6)	ABCA6 (1.6)
IFT172 (2.2)	SLC44A2 (2.0)
LPL (1.6)	GPAM (1.5)
SLC22A1 (1.5)	RAB3GAP1 (1.5)
TM6SF2 (1.9)	TBKBP1 (1.9)
USP1 (2.4)	MCM6 (2.0)
SUGP1 (1.7)	SARS (1.4)
ST3GAL4 (1.6)	GCKR (1.5)
C17orf57 (1.3)	SLC22A3 (1.3)
NPEPPS (1.7)	SORT1 (1.7)
DHODH (2.6)	SMARCA4 (2.6)
ST3GAL4 (2.1)	BCAM (1.9)
ZNF513 (1.5)	DNAH11 (1.5)
DARS (2.4)	SMARCA4 (2.4)
ERGIC3 (1.5)	KPNB1 (1.5)
POC5 (2.5)	TOP1 (2.4)
TBKBP1 (1.9)	ENSG00000256731 (1
UBXN4 (2.1)	DHODH (2.1)
DOCK7 (1.7)	ABCA5 (1.6)
IST1 (1.8)	GATAD2A (1.8)
RELB (1.5)	GMIP (1.3)
CILP2 (1.4)	ENSG00000226622 (1
OBP2B (1.8)	BCAM (1.6)
IGF2R (1.6)	NFE2L3 (1.5)
FUT2 (1.6)	LPA (1.6)
SARS (2.9)	SMARCA4 (2.4)
GNAI3 (1.8)	MCM6 (1.7)
GSTM4 (1.8)	CARM1 (1.8)
HAPLN4 (1.7)	PMFBP1 (1.6)
PVRL2 (1.7)	ENSG00000235545 (1
GNAI3 (2.4)	PSRC1 (2.2)
NRBP1 (1.7)	DHODH (1.6)
ENSG00000231204 (1	ENSG00000244861 (1
MAP3K4 (1.7)	ENSG00000235545 (1
FEN1 (2.1)	DHX38 (2.0)
C11orf9 (1.4)	IZUMO1 (1.4)
MAFB (2.1)	IGF2R (2.0)
BUD13 (1.7)	LPAR2 (1.6)
SNX17 (1.8)	CBLC (1.8)
OBP2B (1.9)	SLC22A3 (1.7)
HNF4A (2.0)	KRTCAP3 (2.0)
TRAM2 (1.4)	LPA (1.4)
GDF5 (1.5)	NYNRIN (1.5)
IFT172 (1.5)	PLEC (1.5)
ABCG5 (2.1)	PCSK9 (1.8)
RAB3GAP1 (2.0)	SMARCA4 (1.7)
ENSG00000226806 (1	BMPR2 (1.5)
HAPLN4 (2.1)	ATP13A1 (2.0)

GATAD2A (1.7)	GNAI3 (1.7)
DOCK7 (1.6)	AMIGO1 (1.5)
PGS1 (1.5)	ABCA6 (1.4)
DHX38 (1.9)	OBP2B (1.8)
USP1 (2.1)	PPM1G (1.9)
LPA (2.3)	LIPC (2.3)
ABCA1 (1.6)	CARM1 (1.5)
ABCG5 (2.0)	GSTM4 (1.9)
LPAL2 (1.8)	ENSG00000236436 (1
AMIGO1 (1.7)	GDF5 (1.7)
DOCK6 (1.9)	ENSG00000254235 (1
DARS (2.3)	TOMM40 (2.3)
GSTM5 (1.4)	POLK (1.3)
COL4A3BP (1.6)	CETP (1.5)
KPNB1 (2.5)	USP1 (2.4)
ATP13A1 (2.1)	PPM1G (2.1)
TRIB1 (1.2)	UBXN4 (1.2)
PSRC1 (1.8)	PPM1G (1.6)
TOMM40 (1.6)	NRBP1 (1.6)
GRINA (1.8)	SARS (1.8)
ENSG00000236267 (2	SLC22A2 (1.9)
ENSG00000236267 (2	SLC22A2 (1.9)
ENSG00000236267 (2	SLC22A2 (1.9)
PPM1G (1.5)	IST1 (1.4)
KANK2 (1.6)	BMPR2 (1.5)
SARS (1.7)	PARP10 (1.6)
SARS (1.7)	PARP10 (1.6)
NYNRIN (2.0)	MAMSTR (1.9)
OBP2B (1.7)	APOC1 (1.6)
PCSK9 (1.6)	CBLC (1.6)
GOT2P1 (1.2)	ST3GAL4 (1.2)
PLCG1 (2.0)	KANK2 (1.8)
APOC1 (1.7)	ENSG00000182329 (1
GPR61 (1.8)	MAMSTR (1.8)
NYNRIN (1.7)	ENSG00000244861 (1
ABO (1.6)	NYNRIN (1.6)
FEN1 (2.3)	IST1 (2.3)
C19orf80 (2.0)	TXNL4B (1.8)
PLEC (1.6)	PVRL2 (1.6)
SLC22A2 (1.1)	CBLC (1.1)
LPIN3 (1.9)	PVRL2 (1.9)
PGS1 (1.4)	IZUMO1 (1.4)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)

DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
DHODH (2.3)	DHX38 (2.2)
TOMM40 (2.2)	PPM1G (2.1)
FNDC4 (1.7)	LIPG (1.7)
AMIGO1 (1.5)	ENSG00000228044 (1
MAU2 (1.5)	YIPF2 (1.5)
GCKR (1.6)	PARP10 (1.5)
TM6SF2 (1.7)	ZRANB3 (1.7)
GCKR (2.0)	PLEC (1.9)
SYPL2 (1.4)	TM6SF2 (1.3)
ATXN1L (1.7)	PLCG1 (1.6)
ABCG8 (1.6)	YSK4 (1.5)
SLC22A3 (1.7)	PVRL2 (1.6)
OBP2B (1.7)	ABCG5 (1.7)
ABCA1 (1.3)	LIPG (1.3)
BCAM (1.7)	CLPTM1 (1.7)
TM6SF2 (2.4)	GMIP (2.2)
BUD13 (2.0)	DHX38 (1.8)
C19orf80 (2.3)	ENSG00000244861 (1
C19orf80 (2.3)	ENSG00000244861 (1
SORT1 (1.4)	ZHX3 (1.3)
DHODH (1.5)	OBP2B (1.4)
ABO (1.8)	MAMSTR (1.8)
BUD13 (2.4)	PPM1G (2.4)
NRBP1 (1.7)	SARS (1.4)
NRBP1 (1.7)	SARS (1.4)
NRBP1 (1.7)	SARS (1.4)
PVRL2 (1.7)	ENSG00000231204 (1
PMFBP1 (1.9)	LPA (1.9)
APOC4 (1.2)	GCKR (1.2)
ENSG00000226806 (1	TRIB1 (1.5)
DARS (2.3)	PPM1G (2.3)
UBXN4 (1.7)	HAVCR1 (1.7)
GSTM5 (1.6)	NYNRIN (1.5)
CETP (2.1)	POLK (1.8)
TRIM54 (1.8)	TBKBP1 (1.7)
UBXN4 (2.4)	CLPTM1 (2.4)
PCSK9 (1.7)	TRAM2 (1.6)
TOMM40 (2.1)	SUGP1 (2.1)
TOMM40 (2.1)	SUGP1 (2.1)
ERGIC3 (1.9)	PCSK9 (1.7)
FADS1 (1.6)	FGF21 (1.5)
NUP93 (2.1)	NRBP1 (2.0)
NPEPPS (1.8)	GNAI3 (1.8)
RELB (1.4)	GMIP (1.4)
TOMM40 (1.6)	PARP10 (1.5)

FER1L4 (1.4)	ENSG00000254235 (1
ZNF821 (1.7)	CELSR2 (1.6)
KANK2 (2.0)	SMARCA4 (2.0)
DOCK6 (1.7)	RASIP1 (1.7)
USP1 (2.4)	DARS (2.4)
TSSK6 (1.4)	ABCA6 (1.2)
SLC22A2 (2.3)	SPATC1 (2.2)
OTX1 (1.9)	ZHX3 (1.8)
NRBP1 (2.0)	SMARCA4 (1.9)
ST3GAL4 (1.5)	ATXN7L2 (1.5)
OASL (1.7)	MYLIP (1.7)
BUD13 (1.6)	FER1L4 (1.6)
ABCG5 (1.5)	FNDC4 (1.4)
ENSG00000254235 (1	SNX17 (1.6)
DOCK6 (1.6)	CBLC (1.5)
USP24 (1.5)	SMARCA4 (1.4)
DARS (1.9)	USP1 (1.7)
DOCK7 (1.7)	ENSG00000244861 (1
NRBP1 (1.7)	SARS (1.7)
ABO (1.4)	LPAL2 (1.3)
LIPG (2.0)	ABCG5 (2.0)
TBKBP1 (1.6)	LPL (1.6)
ZRANB3 (1.7)	ZNF821 (1.4)
C12orf43 (1.9)	PGS1 (1.8)
PMFBP1 (1.7)	PVRL2 (1.6)
LCT (1.8)	IGF2R (1.8)
USP1 (1.8)	ZNF821 (1.8)
GSTM4 (1.7)	NRBP1 (1.6)
MAMSTR (1.6)	IZUMO1 (1.6)
TOP1 (2.1)	DHODH (2.1)
SLC22A1 (1.4)	ENSG00000231204 (1
PLEC (1.8)	FUT1 (1.7)
IZUMO1 (2.1)	C11orf9 (1.7)
FUT1 (2.4)	LPIN3 (1.9)
POLK (1.6)	ENSG00000235545 (1
GATAD2A (1.4)	LPAR2 (1.3)
TSSK6 (1.5)	LIPG (1.4)
GSTM4 (2.2)	APOC4 (2.1)
NOP58 (2.6)	BUD13 (2.5)
PSMA5 (1.6)	GMIP (1.5)
SLC44A2 (1.5)	GRINA (1.5)
DOCK7 (1.8)	IGF2R (1.7)
SMARCA4 (1.8)	CLPTM1 (1.8)
ZNF513 (1.6)	GDF5 (1.6)
FNDC4 (1.5)	ATXN1L (1.4)
LPA (1.6)	HAVCR1 (1.5)
ABCA1 (1.6)	PVR (1.6)
IST1 (1.7)	PARP10 (1.4)
KPNB1 (2.1)	NYNRIN (2.0)
ATXN1L (1.5)	OBP2B (1.5)

ATXN7L2 (1.6)	PMFBP1 (1.5)
GATAD2A (1.6)	SLC44A2 (1.6)
GATAD2A (1.6)	PPM1G (1.5)
MCM6 (2.1)	MAP3K4 (2.0)
C12orf43 (2.2)	TOMM40 (2.2)
ABCA1 (1.4)	GMIP (1.4)
SLC44A2 (1.7)	MAFB (1.7)
TSSK6 (1.9)	TRAM2 (1.9)
PSRC1 (1.5)	ENSG00000226622 (1
NYNRIN (2.1)	GMIP (2.0)
POLK (2.2)	ENSG00000226806 (2
GATAD2A (2.5)	NRBP1 (2.3)
AMPD2 (2.0)	AMIGO1 (1.9)
YIPF2 (1.9)	LPAR2 (1.8)
FGF21 (1.6)	GSTM4 (1.5)
MAU2 (1.5)	SMARCA4 (1.4)
OBP2B (1.7)	MAFB (1.7)
ENSG00000236267 (1	NRBP1 (1.7)
ZNF821 (2.2)	FADS2 (2.2)
SMARCA4 (1.8)	GATAD2A (1.8)
ZHX3 (1.5)	ENSG00000254235 (1
TRIB1 (1.9)	LPL (1.6)
CBLC (1.6)	LDLR (1.6)
NUP93 (2.5)	AMPD2 (2.1)
MAP3K4 (2.1)	NOP58 (2.1)
GMIP (1.7)	IGF2R (1.6)
KPNB1 (2.4)	DARS (2.4)
C19orf52 (1.7)	PVRL2 (1.5)
IFT172 (1.8)	OBP2B (1.7)
ST3GAL4 (1.3)	PMFBP1 (1.3)
KPNB1 (2.0)	USP24 (2.0)
MAMSTR (1.8)	ENSG00000235545 (1
TSSK6 (1.9)	APOE (1.9)
PSMA5 (1.9)	IZUMO1 (1.7)
PPM1G (2.1)	AMPD2 (2.1)
SLC44A2 (1.8)	IGF2R (1.7)
ENSG00000236436 (1	PSMA5 (1.2)
MYLIP (1.7)	FUT1 (1.6)
TM6SF2 (1.8)	PVRL2 (1.7)
KPNB1 (2.0)	USP24 (1.9)
RASIP1 (1.9)	KANK2 (1.8)
CELSR2 (1.9)	UBXN4 (1.8)
CETP (1.3)	ABCA1 (1.3)
KPNB1 (2.0)	ENSG00000254235 (2
ZNF821 (1.7)	LCT (1.7)
HAVCR1 (1.8)	ENSG00000226645 (1
DHODH (2.4)	KPNB1 (2.3)
COL4A3BP (1.6)	PVR (1.5)
BUD13 (1.6)	KPNB1 (1.6)
NPEPPS (1.9)	SNX17 (1.9)

RELB (1.7)	CELSR2 (1.5)
ST3GAL4 (1.8)	RASIP1 (1.6)
CETP (1.7)	C12orf43 (1.6)
ENSG00000244861 (1	TRIB1 (1.4)
CYP26A1 (1.6)	EHBP1 (1.6)
NUP93 (1.7)	CBLC (1.7)
C11orf9 (1.7)	ENSG00000228044 (1
HNF4A (1.9)	ENSG00000231204 (1
FADS1 (2.0)	PPM1G (1.8)
CELSR2 (1.6)	DOCK6 (1.5)
PCSK9 (2.1)	IFT172 (2.0)
ABCG5 (1.5)	ENSG00000231204 (1
FGF21 (2.0)	ENSG00000226622 (1
IST1 (1.4)	KPNB1 (1.3)
GMIP (1.6)	ATP13A1 (1.5)
KANK2 (1.7)	MYLIP (1.6)
ZNF513 (1.8)	PBX4 (1.6)
PGS1 (1.4)	LPAL2 (1.4)
ENSG00000235545 (1	YIPF2 (1.7)
BCAM (1.9)	APOE (1.8)
C19orf80 (2.2)	PGS1 (1.8)
C19orf80 (2.2)	PGS1 (1.8)
DOCK6 (1.4)	CBLC (1.3)
CEP250 (1.7)	MAMSTR (1.5)
ENSG00000244861 (1	NFE2L3 (1.5)
ENSG00000244861 (1	NFE2L3 (1.5)
ERGIC3 (1.9)	ENSG00000228044 (1
HNF1A (1.5)	ENSG00000226622 (1
ENSG00000235545 (1	SUMO1 (1.5)
CELSR2 (2.1)	ST3GAL4 (2.0)
CELSR2 (2.1)	ST3GAL4 (2.0)
BUD13 (2.4)	SUGP1 (2.2)
BUD13 (2.4)	UBXN4 (2.3)
LPAL2 (1.5)	ENSG00000231204 (1
LIPG (1.4)	FADS1 (1.3)
NYNRIN (1.6)	NPEPPS (1.4)
MAU2 (2.2)	DHX38 (2.1)
LPIN3 (1.5)	PGS1 (1.4)
POLK (1.7)	ATP13A1 (1.6)
ENSG00000236267 (1	MAU2 (1.3)
ENSG00000235545 (1	NOP58 (1.7)
PGS1 (1.8)	IZUMO1 (1.6)
FUT2 (1.3)	PSRC1 (1.3)
GDF5 (1.5)	C17orf57 (1.4)
EHBP1 (1.5)	OBP2B (1.4)
ENSG00000244861 (1	TRIB1 (1.6)
NYNRIN (1.5)	TOP1 (1.4)
KANK2 (1.3)	DHODH (1.3)
GSTM4 (2.0)	EHBP1 (2.0)
ABCA6 (1.4)	RASIP1 (1.4)

ABCA1 (1.5)	ENSG00000226622 (1
FUT2 (1.9)	CBLC (1.9)
AMPD2 (2.0)	ABCA5 (2.0)
DARS (2.3)	NOP58 (2.0)
MCM6 (2.4)	MAU2 (2.2)
PPM1G (1.7)	TOMM40 (1.6)
POLK (1.6)	CETP (1.5)
APOC1 (1.5)	ST3GAL4 (1.5)
SUGP1 (1.7)	NRBP1 (1.5)
APOC1 (2.0)	CLPTM1 (1.9)
IST1 (2.0)	NRBP1 (1.9)
DARS (2.4)	CEP250 (2.3)
DARS (2.4)	CEP250 (2.3)
DARS (2.4)	CEP250 (2.3)
LPL (1.4)	IST1 (1.3)
BMPR2 (1.7)	FUT2 (1.6)
OBP2B (1.8)	LPAR2 (1.7)
ZNF259 (1.9)	TOMM40 (1.9)
SLC22A3 (1.7)	EHBP1 (1.7)
NYNRIN (1.6)	TSSK6 (1.6)
NFE2L3 (1.6)	IFT172 (1.6)
MAFB (1.6)	ENSG00000236267 (1
TRAM2 (1.7)	FUT1 (1.7)
CETP (1.3)	SLC44A2 (1.3)
PVR (1.7)	FUT2 (1.7)
PPM1G (2.4)	SUGP1 (2.2)
USP1 (1.5)	USP24 (1.5)
LPAL2 (1.6)	GDF5 (1.6)
DHX38 (1.7)	PLCG1 (1.5)
ENSG00000256731 (1	IZUMO1 (1.6)
KPNB1 (1.9)	PPM1G (1.8)
KANK2 (2.0)	TRAM2 (1.8)
FUT2 (1.6)	SLC44A2 (1.5)
FUT2 (1.6)	SLC44A2 (1.5)
ABCA6 (1.6)	ABCA1 (1.6)
NPEPPS (1.9)	PLEC (1.8)
NRBP1 (1.7)	TOMM40 (1.6)
GMIP (1.7)	SLC22A3 (1.5)
IST1 (2.3)	KPNB1 (2.3)
SARS (1.9)	TSSK6 (1.8)
DOCK6 (1.6)	ENSG00000254235 (1
GNAI3 (2.0)	ENSG00000226806 (1
BCAM (1.6)	ENSG00000236436 (1
GRINA (2.1)	NUP93 (1.9)
PLEC (2.2)	HAVCR1 (2.2)
SARS (2.2)	KPNB1 (2.2)
BMPR2 (1.6)	FUT1 (1.6)
PGS1 (1.5)	MAP3K4 (1.5)
APOE (2.0)	LPL (1.9)
LPA (1.6)	FNDC4 (1.5)

R3HDM1 (1.8)	ENSG00000226806 (1
CELSR2 (1.9)	ENSG00000182329 (1
AMIGO1 (1.5)	ENSG00000228044 (1
SLC22A3 (1.7)	ATXN1L (1.7)
SLC22A2 (1.7)	GRINA (1.6)
OTX1 (1.6)	AMIGO1 (1.5)
ENSG00000231204 (1	YSK4 (1.8)
LPL (1.6)	POLK (1.5)
PPM1G (1.5)	KPNB1 (1.5)
PVR (1.6)	IZUMO1 (1.6)
APOE (1.6)	ENSG00000226806 (1
TBKBP1 (1.7)	ENSG00000236436 (1
DHODH (1.6)	DARS (1.6)
OBP2B (1.6)	C17orf57 (1.6)
TRIB1 (1.7)	SLC22A3 (1.5)
NYNRIN (1.7)	TIMD4 (1.6)
ABCA1 (1.6)	PMFBP1 (1.5)
TRIB1 (1.4)	TRAM2 (1.3)
PPM1G (1.7)	NRBP1 (1.6)
RELB (1.5)	ENSG00000244861 (1
ENSG00000256731 (1	SNX17 (1.3)
KPNB1 (1.9)	GSTM5 (1.9)
RAB3GAP1 (1.7)	GNAI3 (1.4)
TRIM54 (2.1)	ABCG8 (2.0)
TRIM54 (2.1)	ABCG8 (2.0)
USP24 (1.6)	ABCA1 (1.6)
LIPG (1.6)	TIMD4 (1.5)
SNX17 (2.1)	TOMM40 (2.0)
SNX17 (2.1)	TOMM40 (2.0)
SUMO1 (1.9)	MCM6 (1.9)
ENSG00000236436 (1	DHODH (1.4)
MCM6 (1.9)	NYNRIN (1.9)
SUGP1 (2.5)	PPM1G (2.4)
CLPTM1 (2.4)	CILP2 (2.0)
NFE2L3 (1.4)	TXNL4B (1.4)
IZUMO1 (1.5)	ZRANB3 (1.5)
RASIP1 (1.8)	R3HDM1 (1.7)
PCSK9 (2.0)	LCT (1.9)
ABCG5 (1.9)	PVR (1.8)
GATAD2A (1.7)	DOCK7 (1.7)
RELB (1.5)	PVR (1.4)
ABCA1 (1.5)	TRIB1 (1.4)
PARP10 (2.0)	USP24 (1.9)
ENSG00000226645 (1	CEP250 (1.5)
GRINA (1.9)	IST1 (1.7)
POLK (1.6)	IGF2R (1.6)
LPAR2 (1.6)	CETP (1.6)
MAU2 (2.0)	DHX38 (2.0)
PPM1G (2.6)	IST1 (2.4)
BCAM (1.8)	PVRL2 (1.8)

PPM1G (2.1)	SNX17 (2.0)
PPM1G (2.1)	SNX17 (2.0)
APOE (1.7)	RP1 (1.6)
IZUMO1 (2.1)	C11orf9 (2.0)
KANK2 (1.5)	SMARCA4 (1.5)
GNAI3 (2.4)	IST1 (2.3)
PPM1G (1.9)	CLPTM1 (1.7)
C19orf80 (1.8)	HMGCR (1.6)
BUD13 (2.4)	MAU2 (2.3)
PARP10 (1.9)	BUD13 (1.9)
USP1 (2.8)	PPM1G (2.6)
FER1L4 (1.4)	C19orf52 (1.4)
SARS (2.2)	PPM1G (2.1)
DARS (2.4)	IST1 (2.4)
GPR61 (1.8)	CEP250 (1.8)
DNAH11 (1.6)	PMFBP1 (1.3)
AMIGO1 (2.0)	OTX1 (1.8)
TRIB1 (1.9)	PSRC1 (1.8)
BCAM (1.4)	CYP26A1 (1.3)
ENSG00000226645 (1	ABCA1 (1.2)
MAFB (1.9)	BUD13 (1.8)
ZNF821 (1.9)	PGS1 (1.8)
HAPLN4 (1.9)	SUMO1 (1.8)
RASIP1 (1.4)	FUT2 (1.4)
GSTM5 (1.7)	FER1L4 (1.7)
ENSG00000235545 (1	TOP1 (1.8)
C17orf57 (1.9)	C12orf43 (1.9)
BUD13 (2.7)	TOP1 (2.4)
LDLR (2.4)	UBXN4 (2.4)
TXNL4B (1.8)	AMIGO1 (1.7)
PPM1G (1.9)	SMARCA4 (1.7)
DARS (1.5)	BCAM (1.4)
DOCK7 (1.5)	ENSG00000226648 (1
AMIGO1 (1.9)	TM6SF2 (1.9)
ZNF821 (1.7)	YIPF2 (1.6)
PLEC (1.4)	APOC1 (1.4)
SLC44A2 (2.2)	CYB561D1 (1.8)
FGF21 (1.6)	DHODH (1.6)
C19orf52 (1.6)	ENSG00000236436 (1
ATP13A1 (1.9)	IGF2R (1.4)
RELB (1.4)	PVR (1.3)
FUT2 (1.4)	ENSG00000228044 (1
MAU2 (2.1)	DHX38 (2.1)
GDF5 (1.5)	ENSG00000244861 (1
APOC3 (2.5)	IST1 (2.3)
ENSG00000226622 (1	TM6SF2 (1.7)
PPM1G (1.6)	ATXN1L (1.6)
APOC1 (1.6)	FADS1 (1.6)
GNAI3 (2.5)	ZNF259 (2.4)
BMPR2 (1.9)	SLC44A2 (1.8)

ENSG00000235545 (1	TRAM2 (1.8)
SORT1 (2.0)	TRIM54 (1.9)
GDF5 (1.5)	RELB (1.5)
ABCG8 (1.4)	FER1L4 (1.4)
FNDC4 (1.8)	ENSG00000235545 (1
IFT172 (1.7)	DARS (1.5)
PPM1G (1.7)	SARS (1.6)
CYP26A1 (1.9)	CLPTM1 (1.7)
HNF4A (2.3)	ABCG5 (2.1)
IFT172 (1.9)	ENSG00000256731 (1
BUD13 (2.4)	KPNB1 (2.2)
LIPC (1.2)	TBKBP1 (1.2)
DHX38 (2.1)	FEN1 (2.0)
SUGP1 (1.8)	ATP13A1 (1.7)
LPL (1.5)	MAMSTR (1.3)
IGF2R (1.6)	LIPC (1.6)
UBXN4 (2.4)	NFE2L3 (1.9)
HNF4A (1.7)	ATXN1L (1.6)
GNAI3 (2.0)	GATAD2A (1.8)
SUMO1 (1.7)	FGF21 (1.7)
GSTM4 (2.0)	MYLIP (1.7)
ATP13A1 (2.5)	TOMM40 (2.4)
ZHX3 (1.9)	LPIN3 (1.9)
SUGP1 (1.8)	DHX38 (1.8)
SUGP1 (1.8)	DHX38 (1.8)
SUGP1 (1.8)	DHX38 (1.8)
SUGP1 (1.8)	AMPD2 (1.8)
DHX38 (2.3)	DARS (2.2)
PBX4 (1.9)	CETP (1.6)
OBP2B (1.7)	CEP250 (1.6)
MYLIP (1.5)	ABCA1 (1.4)
IFT172 (1.5)	KANK2 (1.5)
OBP2B (1.5)	ATXN7L2 (1.5)
ZNF259 (2.2)	NUP93 (2.2)
HNF4A (1.4)	ENSG00000226645 (1
MYLIP (1.6)	GOT2P1 (1.6)
PVR (1.8)	ENSG00000228044 (1
GPAM (1.7)	KANK2 (1.6)
ENSG00000254235 (1	C19orf52 (1.5)
ENSG00000235545 (1	OTX1 (1.8)
FNDC4 (1.5)	C11orf9 (1.5)
ZNF821 (2.0)	ATP13A1 (1.9)
BCAM (2.1)	LPIN3 (2.0)
MAFB (1.7)	RAB3GAP1 (1.7)
ABCA1 (1.7)	USP24 (1.7)
TRIB1 (1.2)	PLCG1 (1.1)
BUD13 (1.4)	DARS (1.4)
ENSG00000226806 (1	TIMD4 (1.7)
BCAM (1.7)	YSK4 (1.6)
ENSG00000244861 (1	TOMM40 (1.5)

PSRC1 (2.2)	USP24 (2.1)
PPM1G (2.2)	NUP93 (2.2)
LIPG (2.0)	PLCG1 (2.0)
TOP1 (2.1)	SUGP1 (2.0)
IST1 (1.9)	ATXN7L2 (1.8)
CARM1 (1.6)	USP1 (1.5)
SNX17 (2.0)	TOMM40 (1.9)
PMFBP1 (2.0)	LPAL2 (1.9)
GNAI3 (1.7)	NUP93 (1.7)
TRAM2 (1.4)	ENSG00000235545 (1
PPM1G (1.7)	FEN1 (1.6)
NOP58 (2.4)	USP1 (2.4)
UBXN4 (2.1)	ATXN1L (2.1)
PLG (1.5)	FUT2 (1.5)
SUGP1 (1.7)	DHX38 (1.7)
NFE2L3 (1.5)	ENSG00000244861 (1
LIPG (1.5)	IFT172 (1.4)
CILP2 (1.6)	ERGIC3 (1.5)
ENSG00000228044 (1	ENSG00000236436 (1
EHBP1 (1.9)	ENSG00000226645 (1
RAB3GAP1 (2.1)	IFT172 (2.1)
BMPR2 (1.5)	TM6SF2 (1.5)
ATP13A1 (1.9)	NRBP1 (1.7)
ATP13A1 (1.9)	NRBP1 (1.7)
ZNF821 (1.6)	PLCG1 (1.5)
GSTM5 (1.3)	YSK4 (1.3)
FEN1 (2.1)	DOCK7 (2.1)
SUGP1 (2.0)	KPNB1 (1.7)
HMGCR (2.3)	PPM1G (2.1)
APOE (1.9)	CLPTM1 (1.8)
USP24 (2.0)	GSTM5 (2.0)
MAMSTR (1.4)	PLCG1 (1.4)
IST1 (2.4)	FEN1 (2.3)
MYLIP (1.8)	AMIGO1 (1.6)
DOCK7 (1.9)	IGF2R (1.8)
GATAD2A (1.8)	ATP13A1 (1.7)
FNDC4 (1.6)	NFE2L3 (1.5)
C17orf57 (1.4)	BCAM (1.2)
GPAM (1.4)	USP24 (1.3)
OBP2B (1.7)	BCAM (1.6)
BUD13 (1.2)	ENSG00000244861 (1
ATXN7L2 (2.0)	ENSG00000256731 (2
DHODH (2.6)	LPAL2 (2.6)
MAFB (1.6)	FER1L4 (1.4)
CEP250 (1.8)	SPATC1 (1.7)
BMPR2 (1.6)	SMARCA4 (1.6)
FGF21 (1.7)	ZNF513 (1.7)
AMPD2 (2.3)	DHODH (2.3)
KANK2 (1.9)	TRIM54 (1.7)
DHODH (1.5)	NPEPPS (1.5)

TRIB1 (1.3)	OBP2B (1.3)
FUT2 (1.3)	LIPG (1.3)
FEN1 (1.8)	NRBP1 (1.7)
GATAD2A (1.9)	ENSG00000226645 (1
TOP1 (1.9)	R3HDM1 (1.9)
SUGP1 (2.4)	KPNB1 (2.2)
PLEC (1.7)	KRTCAP3 (1.7)
USP24 (1.7)	R3HDM1 (1.6)
GMIP (1.4)	GDF5 (1.4)
DOCK6 (1.8)	PCSK9 (1.7)
NRBP1 (1.9)	MAFB (1.8)
SLC22A2 (1.9)	HAPLN4 (1.9)
GPAM (1.5)	PVRL2 (1.5)
MAU2 (2.4)	NUP93 (2.4)
APOC1 (1.9)	TIMD4 (1.8)
ENSG00000228044 (1	R3HDM1 (1.5)
YIPF2 (1.7)	ERGIC3 (1.7)
ENSG00000256731 (2	MAP3K4 (1.8)
IST1 (2.0)	C12orf43 (1.9)
IGF2R (1.4)	MYLIP (1.3)
CEP250 (2.3)	BUD13 (2.2)
TRIB1 (1.8)	IST1 (1.8)
ZNF259 (1.5)	ABCA1 (1.5)
ABO (1.8)	NRBP1 (1.8)
FADS2 (1.9)	NUP93 (1.8)
GPR61 (2.5)	OBP2B (1.9)
BUD13 (1.6)	NYNRIN (1.6)
APOE (1.3)	RASIP1 (1.2)
BMPR2 (2.1)	ATXN1L (2.0)
ENSG00000244861 (1	AMPD2 (1.8)
SLC22A2 (2.0)	FADS2 (2.0)
ZNF513 (2.1)	ABCG5 (2.0)
KANK2 (1.6)	NPEPPS (1.6)
SYPL2 (1.6)	GNAT2 (1.4)
ENSG00000226648 (1	FUT2 (1.1)
FUT2 (1.7)	ENSG00000182329 (1
LPAL2 (1.4)	RELB (1.4)
LPAL2 (2.2)	CYB561D1 (2.1)
FEN1 (1.8)	PSRC1 (1.8)
ENSG00000231204 (1	ABCA6 (1.5)
ENSG00000235545 (1	GOT2P1 (1.1)
SORT1 (1.4)	FER1L4 (1.3)
C11orf9 (2.1)	KRTCAP3 (1.6)
NRBP1 (2.1)	CLPTM1 (1.8)
GRINA (1.6)	ZHX3 (1.5)
NRBP1 (2.2)	ENSG00000254235 (1
PSRC1 (1.8)	ENSG00000182329 (1
COL4A3BP (2.1)	SLC44A2 (1.9)
LIPG (1.8)	FUT2 (1.6)
SARS (1.8)	TOMM40 (1.7)

ENSG00000231204 (1	ENSG00000244861 (1
TIMD4 (2.2)	APOE (2.0)
SARS (2.1)	USP24 (2.0)
RP1 (1.7)	ENSG00000254235 (1
AMPD2 (2.5)	PPM1G (2.3)
ENSG00000235545 (1	AMPD2 (1.7)
ENSG00000235545 (1	AMPD2 (1.7)
MYLIP (1.3)	ENSG00000226645 (1
ABO (1.9)	MAFB (1.6)
ATP13A1 (1.6)	OBP2B (1.5)
PVR (1.9)	GMIP (1.9)
PVRL2 (1.6)	MYLIP (1.4)
ZNF513 (1.5)	PGS1 (1.4)
PGS1 (1.6)	SYPL2 (1.4)
DOCK6 (1.6)	PLCG1 (1.5)
ENSG00000244861 (1	HAVCR1 (1.6)
GSTM5 (1.5)	MAFB (1.4)
FNDC4 (2.1)	NRBP1 (2.0)
NFE2L3 (1.6)	C19orf80 (1.5)
SARS (1.7)	APOA5 (1.7)
GATAD2A (2.5)	IST1 (2.5)
DHODH (1.9)	ZHX3 (1.8)
HNF1A (1.9)	PLCG1 (1.8)
CYB561D1 (1.8)	PMFBP1 (1.8)
PLCG1 (1.3)	TRIB1 (1.2)
MCM6 (1.9)	POC5 (1.9)
SLC22A1 (1.6)	PLG (1.6)
PARP10 (1.5)	PVRL2 (1.5)
APOE (1.6)	ABO (1.6)
USP1 (2.5)	FEN1 (2.4)
FUT2 (1.8)	ENSG00000235545 (1
NRBP1 (1.9)	SLC22A1 (1.8)
DARS (2.0)	GOT2P1 (2.0)
LPAR2 (2.3)	IGF2R (2.3)
LPIN3 (1.5)	GOT2P1 (1.5)
ENSG00000256731 (1	PVR (1.6)
FUT1 (1.8)	EHBP1 (1.8)
BUD13 (2.1)	POC5 (1.9)
MAU2 (1.7)	PSMA5 (1.6)
PVRL2 (1.5)	GMIP (1.5)
FEN1 (2.5)	BUD13 (2.5)
YSK4 (1.6)	KANK2 (1.6)
C12orf43 (1.6)	ENSG00000256731 (1
IZUMO1 (1.8)	C11orf9 (1.6)
ABO (2.0)	SLC44A2 (1.8)
PGS1 (2.3)	C19orf80 (2.3)
PGS1 (2.3)	C19orf80 (2.3)
APOC1 (1.7)	CLPTM1 (1.7)
ENSG00000226806 (1	DHODH (1.3)
ST3GAL4 (1.9)	BMPR2 (1.8)

KANK2 (1.9)	HAVCR1 (1.8)
DOCK7 (1.7)	TRIB1 (1.7)
LCT (1.3)	OBP2B (1.2)
ABO (1.7)	SORT1 (1.7)
SARS (2.2)	RAB3GAP1 (2.1)
GPR61 (1.3)	SLC22A2 (1.3)
SLC44A2 (1.8)	PLEC (1.8)
PLCG1 (1.6)	TRIM54 (1.6)
TRIB1 (1.1)	DHODH (1.1)
IST1 (1.9)	SPATC1 (1.8)
HAVCR1 (1.8)	GRINA (1.8)
KRTCAP3 (1.7)	MAMSTR (1.6)
SORT1 (1.8)	BCAM (1.7)
ENSG00000226622 (1	PARP10 (1.5)
AMPD2 (1.9)	SUGP1 (1.9)
PVR (1.8)	DARS (1.7)
PLG (2.1)	SARS (2.0)
COL4A3BP (1.5)	ABCG8 (1.5)
CBLC (1.8)	APOB (1.6)
CBLC (1.8)	PCSK9 (1.7)
CARM1 (1.3)	DHX38 (1.3)
PVRL2 (1.3)	BCAM (1.3)
APOE (1.6)	CLPTM1 (1.3)
TRIM54 (1.5)	IGF2R (1.5)
PMFBP1 (1.4)	KANK2 (1.3)
NUP93 (1.8)	BMPR2 (1.7)
GSTM4 (2.5)	C19orf52 (2.3)
COL4A3BP (2.1)	IGF2R (2.1)
PPM1G (2.4)	BUD13 (2.3)
GCKR (1.7)	LPAL2 (1.7)
ABCA1 (1.7)	NFE2L3 (1.6)
ENSG00000226645 (2	AMPD2 (2.1)
ZNF513 (2.1)	TRAM2 (2.0)
BMPR2 (1.8)	KANK2 (1.8)
RASIP1 (1.8)	FNDC4 (1.7)
GSTM4 (1.8)	NRBP1 (1.7)
GSTM4 (1.8)	NRBP1 (1.7)
HNF4A (2.0)	APOB (1.9)
SUMO1 (1.6)	GATAD2A (1.5)
IGF2R (2.4)	COL4A3BP (2.3)
ENSG00000228044 (1	FGF21 (1.9)
MAP3K4 (1.8)	CEP250 (1.7)
MAU2 (2.3)	CEP250 (2.2)
USP24 (2.0)	NOP58 (1.6)
SUGP1 (2.5)	PPM1G (2.3)
SUGP1 (2.5)	PPM1G (2.3)
ENSG00000235545 (1	YIPF2 (1.7)
PGS1 (1.5)	PLG (1.5)
ABCA5 (1.6)	HNF1A (1.6)
ZNF821 (1.5)	DNAH11 (1.5)

GRINA (2.0)	DOCK7 (1.9)
PPM1G (2.3)	FEN1 (2.3)
GOT2P1 (1.7)	APOB (1.7)
ABCA6 (1.7)	ENSG00000182329 (1
CYB561D1 (1.5)	NCAN (1.4)
ENSG00000226806 (1	LDLR (1.6)
SUGP1 (1.8)	DHX38 (1.8)
DOCK6 (1.4)	C19orf52 (1.4)
POC5 (2.1)	NUP93 (2.1)
RAB3GAP1 (1.4)	AMIGO1 (1.3)
ENSG00000231204 (1	ENSG00000244861 (1
ENSG00000231204 (1	ENSG00000244861 (1
ENSG00000231204 (1	ENSG00000244861 (1
IGF2R (1.7)	CETP (1.6)
YIPF2 (1.3)	ZNF821 (1.3)
IZUMO1 (1.9)	ATXN1L (1.6)
IST1 (1.8)	RAB3GAP1 (1.8)
DOCK7 (1.9)	GATAD2A (1.7)
HNF1A (1.6)	ENSG00000254235 (1
MYLIP (1.7)	GMIP (1.6)
ENSG00000254235 (1	CARM1 (1.3)
SLC22A3 (1.5)	CETP (1.4)
SLC22A3 (1.5)	CETP (1.4)
GATAD2A (1.5)	MYLIP (1.5)
PARP10 (1.6)	TIMD4 (1.6)
MAP3K4 (1.7)	DOCK7 (1.6)
CYP26A1 (1.8)	PLEC (1.8)
PGS1 (1.6)	OASL (1.6)
ABCA5 (1.6)	DNAH11 (1.6)
EHBP1 (2.2)	TSSK6 (2.1)
CEP250 (1.6)	GCKR (1.6)
CETP (1.6)	ENSG00000231204 (1
FEN1 (2.2)	PPM1G (2.2)
R3HDM1 (1.6)	ENSG00000226806 (1
DHODH (1.4)	ERGIC3 (1.4)
ENSG00000236267 (1	SORT1 (1.7)
LPAL2 (1.5)	ENSG00000231204 (1
PSMA5 (1.7)	BUD13 (1.7)
PLG (1.5)	GOT2P1 (1.4)
MAU2 (1.9)	TOMM40 (1.8)
APOE (1.8)	ATXN1L (1.7)
TOMM40 (2.0)	SUGP1 (1.9)
GATAD2A (2.0)	SUGP1 (2.0)
ENSG00000244861 (1	ENSG00000231204 (1
NRBP1 (1.6)	PPM1G (1.5)
MAU2 (1.9)	ENSG00000226806 (1
ZNF821 (1.6)	HAPLN4 (1.6)
MAU2 (2.2)	PPM1G (2.0)
TBKBP1 (1.8)	PARP10 (1.8)
IFT172 (1.9)	PLEC (1.8)

ENSG00000244861 (1	PLEC (1.6)
DOCK6 (1.7)	LIPG (1.7)
SARS (1.9)	RAB3GAP1 (1.9)
ENSG00000226806 (1	SLC22A1 (1.7)
IFT172 (1.7)	ABO (1.6)
PMFBP1 (1.8)	RAB3GAP1 (1.7)
LDLR (1.5)	GRINA (1.4)
PLEC (1.9)	PLCG1 (1.8)
YIPF2 (2.2)	TXNL4B (2.2)
GOT2P1 (2.0)	TOMM40 (1.9)
IGF2R (2.2)	RAB3GAP1 (2.2)
DARS (2.0)	GPAM (1.9)
ST3GAL4 (1.4)	APOC1 (1.4)
AMIGO1 (1.8)	ABCG5 (1.7)
AMIGO1 (1.8)	TSSK6 (1.7)
ABCA5 (1.7)	FADS1 (1.6)
FADS2 (1.6)	LCT (1.6)
GSTM4 (1.3)	ABCA5 (1.2)
GATAD2A (2.2)	AMPD2 (2.0)
ABCG8 (1.9)	ENSG00000236267 (1
TSSK6 (1.7)	PVR (1.6)
NOP58 (2.5)	SUGP1 (2.3)
ENSG00000235545 (2	FADS1 (1.9)
PBX4 (2.0)	NUP93 (2.0)
SARS (2.1)	PSMA5 (2.0)
ENSG00000235545 (1	ABCA6 (1.5)
COL4A3BP (2.2)	TXNL4B (2.1)
DNAH11 (1.7)	CLPTM1 (1.6)
BMPR2 (1.8)	LPAL2 (1.7)
EHBP1 (1.9)	PSRC1 (1.7)
FEN1 (2.5)	GNAI3 (2.1)
BUD13 (2.5)	USP1 (2.4)
DARS (2.5)	BUD13 (2.3)
PGS1 (1.5)	MAU2 (1.5)
DHX38 (1.5)	IST1 (1.5)
PGS1 (1.6)	C12orf43 (1.6)
PPM1G (2.3)	IST1 (2.2)
LPL (1.5)	TRAM2 (1.5)
LIPG (1.5)	ATP13A1 (1.4)
C19orf52 (1.6)	SPATC1 (1.6)
PLCG1 (1.9)	KANK2 (1.8)
ENSG00000254235 (1	ENSG00000236436 (1
ENSG00000254235 (1	ENSG00000236436 (1
ENSG00000254235 (1	ENSG00000236436 (1
TOP1 (1.6)	IZUMO1 (1.6)
PLG (1.7)	ZHX3 (1.7)
TOP1 (2.7)	ATP13A1 (2.5)
BCAM (2.1)	PLEC (2.0)
NOP58 (2.1)	DARS (2.1)
ABO (1.8)	ENSG00000236436 (1

ENSG00000235545 (1	ENSG00000244861 (1
ENSG00000235545 (1	RP1 (1.9)
ENSG00000228044 (1	KRTCAP3 (1.4)
CLPTM1 (2.1)	GRINA (1.8)
YIPF2 (1.9)	TM6SF2 (1.8)
TM6SF2 (1.8)	COL4A3BP (1.8)
RASIP1 (2.1)	LPIN3 (1.8)
PPM1G (2.4)	SUGP1 (2.3)
HAVCR1 (1.6)	GDF5 (1.5)
ENSG00000226622 (2	SORT1 (2.0)
GDF5 (1.3)	TIMD4 (1.3)
ENSG00000226806 (1	IZUMO1 (1.4)
ENSG00000226806 (2	LPAR2 (1.8)
POLK (1.5)	KPNB1 (1.4)
TOP1 (2.1)	MAP3K4 (2.0)
ENSG00000235545 (1	RAB3GAP1 (1.5)
SARS (2.1)	TOMM40 (2.0)
SUGP1 (2.3)	FEN1 (2.2)
TOP1 (2.5)	R3HDM1 (2.3)
LIPG (1.7)	FUT2 (1.7)
PPM1G (2.7)	FEN1 (2.2)
SLC44A2 (1.5)	NCAN (1.5)
CBLC (1.6)	C12orf43 (1.6)
C11orf9 (1.9)	OTX1 (1.9)
C19orf80 (2.3)	PLG (2.2)
TBKBP1 (1.8)	GRINA (1.8)
LPAR2 (1.5)	ZNF821 (1.5)
PLCG1 (2.0)	PVR (2.0)
COL4A3BP (1.6)	ENSG00000226806 (1
ENSG00000256731 (2	SLC22A3 (1.8)
PGS1 (1.8)	ENSG00000226645 (1
LIPG (1.6)	ENSG00000236267 (1
NYNRIN (1.7)	TOMM40 (1.7)
HP (1.6)	GCKR (1.5)
PVR (1.5)	ENSG00000244861 (1
MCM6 (2.0)	PSRC1 (1.9)
USP1 (2.5)	FEN1 (2.5)
PPM1G (1.7)	PSRC1 (1.6)
USP1 (2.5)	GNAI3 (2.2)
IGF2R (1.3)	CYP26A1 (1.3)
GATAD2A (2.3)	SUGP1 (2.2)
SARS (1.7)	NPEPPS (1.7)
GPR61 (2.1)	LCT (2.0)
KPNB1 (1.8)	CYB561D1 (1.8)
DOCK6 (2.1)	LPIN3 (1.8)
BCAM (1.6)	EHBP1 (1.6)
DHX38 (2.4)	BUD13 (2.4)
DARS (2.4)	GATAD2A (2.3)
MAFB (1.5)	OBP2B (1.4)
GPR61 (1.6)	CARM1 (1.6)

TXNL4B (1.9)	GRINA (1.8)
SLC44A2 (1.7)	APOC1 (1.7)
ATXN7L2 (1.6)	ENSG00000235545 (1
NPEPPS (1.9)	RELB (1.9)
PBX4 (1.7)	CYB561D1 (1.7)
ABCA1 (1.6)	PLEC (1.5)
ABCA6 (1.5)	RELB (1.5)
TRIB1 (1.7)	TOMM40 (1.6)
BUD13 (1.9)	ABCA5 (1.7)
CBLC (1.8)	ENSG00000236436 (1
ENSG00000235545 (1	ENSG00000228044 (1
APOA5 (1.9)	ABCG5 (1.9)
ENSG00000235545 (1	SNX17 (1.5)
PLEC (1.5)	CLPTM1 (1.5)
PGS1 (1.7)	KRTCAP3 (1.4)
PPM1G (2.4)	SUGP1 (2.2)
GSTM4 (1.6)	ENSG00000236436 (1
C11orf9 (1.6)	SPATC1 (1.6)
ENSG00000226622 (1	LPL (1.8)
GATAD2A (2.0)	GNAI3 (2.0)
PARP10 (1.9)	ZNF259 (1.8)
DARS (1.8)	DHODH (1.8)
CYP26A1 (1.7)	TOMM40 (1.6)
MAFB (1.2)	HAVCR1 (1.2)
ABCA1 (1.8)	LIPC (1.8)
DARS (2.4)	C12orf43 (2.4)
GPAM (1.8)	KANK2 (1.7)
APOE (2.0)	PLG (2.0)
FUT2 (1.8)	CYP26A1 (1.7)
APOB (1.5)	PMFBP1 (1.5)
PPM1G (2.5)	MAU2 (2.4)
GRINA (1.8)	PLCG1 (1.7)
PLG (1.5)	PARP10 (1.4)
GPR61 (1.5)	KANK2 (1.4)
ENSG00000226806 (1	NRBP1 (1.6)
TOMM40 (1.7)	CLPTM1 (1.6)
C11orf9 (1.4)	CELSR2 (1.3)
SARS (2.3)	UBXN4 (2.2)
OTX1 (1.4)	EHBP1 (1.4)
C19orf52 (2.4)	CEP250 (2.3)
ENSG00000244861 (1	GDF5 (1.5)
FNDC4 (1.6)	HAVCR1 (1.5)
DOCK7 (1.8)	PVR (1.7)
ZNF821 (1.9)	MAP3K4 (1.9)
RELB (1.5)	ENSG00000244861 (1
CYP26A1 (1.4)	KANK2 (1.4)
CARM1 (2.0)	ATXN7L2 (2.0)
C11orf9 (1.5)	TSSK6 (1.4)
SARS (1.5)	TOMM40 (1.4)
GCKR (1.2)	ST3GAL4 (1.2)

LDLR (1.9)	MAU2 (1.7)
FNDC4 (1.9)	R3HDM1 (1.8)
ENSG00000231204 (1	C19orf52 (1.7)
POC5 (2.1)	NYNRIN (2.1)
GDF5 (1.6)	CARM1 (1.5)
ATXN7L2 (2.3)	C12orf43 (2.2)
ERGIC3 (1.5)	PGS1 (1.5)
SNX17 (1.7)	GOT2P1 (1.7)
C12orf43 (1.9)	PGS1 (1.8)
C12orf43 (1.9)	PGS1 (1.8)
ENSG00000254235 (1	ATXN7L2 (1.5)
PSRC1 (1.9)	ATP13A1 (1.8)
TM6SF2 (1.5)	ENSG00000228044 (1
ST3GAL4 (1.7)	UBXN4 (1.6)
CLPTM1 (1.6)	GMIP (1.6)
PPM1G (2.2)	SUGP1 (2.2)
TRAM2 (1.8)	C17orf57 (1.7)
APOE (1.8)	LIPC (1.8)
PLEC (1.7)	LPAR2 (1.7)
EHBP1 (1.9)	FUT2 (1.8)
UBXN4 (1.9)	NFE2L3 (1.9)
ENSG00000244861 (1	ENSG00000226645 (1
HNF1A (1.2)	ABO (1.2)
LIPG (2.6)	LPAR2 (2.2)
ZNF821 (2.2)	UBXN4 (2.1)
UBXN4 (1.3)	SLC22A3 (1.3)
MAFB (1.7)	TOP1 (1.6)
ATXN1L (1.9)	NRBP1 (1.8)
GOT2P1 (1.5)	TRAM2 (1.4)
CEP250 (1.5)	PLCG1 (1.5)
KPNB1 (1.7)	HNF4A (1.7)
SMARCA4 (2.4)	USP1 (2.3)
ABCA1 (1.9)	RELB (1.8)
ENSG00000236436 (1	GRINA (1.8)
ABCA6 (1.5)	C17orf57 (1.5)
KPNB1 (2.1)	NRBP1 (2.1)
SLC22A1 (1.8)	SLC22A3 (1.7)
AMPD2 (1.8)	KPNB1 (1.7)
ABCA6 (1.6)	ENSG00000235545 (1
OBP2B (2.1)	POC5 (2.1)
ENSG00000226645 (1	ENSG00000235545 (1
SLC22A3 (1.5)	MYLIP (1.4)
ATXN7L2 (1.5)	DHODH (1.3)
KPNB1 (2.2)	USP1 (2.2)
FADS1 (1.6)	HMGCR (1.6)
OASL (1.7)	FNDC4 (1.6)
GATAD2A (1.5)	ZNF821 (1.5)
NRBP1 (1.8)	SARS (1.8)
PLEC (1.5)	GDF5 (1.5)
PCSK9 (1.6)	C17orf57 (1.5)

GRINA (1.6)	ZNF821 (1.6)
USP24 (1.6)	ZNF821 (1.6)
MAU2 (1.6)	GMIP (1.6)
C12orf43 (1.8)	GATAD2A (1.6)
SUMO1 (1.4)	APOC1 (1.4)
PSRC1 (1.4)	MYLIP (1.4)
DARS (1.8)	C12orf43 (1.7)
DARS (1.8)	C12orf43 (1.7)
RASIP1 (1.3)	ENSG00000226648 (1
KPNB1 (2.1)	ZNF259 (2.1)
YSK4 (1.8)	ENSG00000226622 (1
NOP58 (1.7)	ENSG00000236267 (1
NOP58 (1.7)	ENSG00000236267 (1
SPATC1 (1.9)	CLPTM1 (1.8)
RAB3GAP1 (1.5)	MAP3K4 (1.5)
ENSG00000235545 (1	NRBP1 (1.6)
SORT1 (1.7)	FER1L4 (1.5)
SLC44A2 (1.8)	FUT1 (1.8)
NFE2L3 (1.7)	TRIB1 (1.6)
SMARCA4 (1.6)	TRAM2 (1.6)
KRTCAP3 (1.6)	CBLC (1.4)
MAFB (1.9)	ATXN1L (1.9)
LIPG (1.9)	LCT (1.8)
PVRL2 (2.0)	SLC44A2 (1.9)
DHX38 (2.2)	SUMO1 (2.2)
CYB561D1 (1.7)	C17orf57 (1.6)
DNAH11 (1.3)	IGF2R (1.3)
C19orf52 (2.3)	USP1 (2.1)
MCM6 (1.5)	FEN1 (1.4)
HMGCR (1.9)	FADS2 (1.9)
SMARCA4 (2.2)	C12orf43 (2.0)
ABCG8 (2.1)	SNX17 (2.1)
C19orf52 (1.9)	MAU2 (1.8)
APOA4 (1.4)	C12orf43 (1.4)
ENSG00000231204 (1	C11orf9 (1.5)
ATXN7L2 (1.8)	TXNL4B (1.7)
ENSG00000226622 (2	GNAI3 (1.9)
ENSG00000226622 (2	GNAI3 (1.9)
ENSG00000226622 (2	GNAI3 (1.9)
DHODH (1.6)	GNAT2 (1.4)
NYNRIN (2.1)	EHBP1 (2.1)
ERGIC3 (1.5)	NRBP1 (1.3)
ABCA1 (1.6)	CYB561D1 (1.5)
GMIP (1.6)	LIPG (1.4)
IGF2R (2.2)	TRAM2 (2.2)
IGF2R (1.3)	FEN1 (1.3)
SUMO1 (1.6)	GDF5 (1.5)
USP1 (2.4)	PPM1G (2.4)
SUMO1 (1.9)	TBKBP1 (1.8)
LPAR2 (1.9)	ENSG00000226648 (1

BMPR2 (1.7)	OTX1 (1.6)
NYNRIN (1.7)	PVRL2 (1.7)
RASIP1 (2.2)	ABCA1 (2.1)
KPNB1 (1.6)	FEN1 (1.6)
FER1L4 (1.6)	AMIGO1 (1.6)
GSTM4 (1.6)	LIPC (1.5)
MAU2 (1.5)	GSTM4 (1.4)
ZHX3 (1.2)	FNDC4 (1.2)
ENSG00000256731 (1	C17orf57 (1.5)
PVRL2 (1.9)	TRIB1 (1.8)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
LPAR2 (1.7)	OBP2B (1.6)
NYNRIN (1.7)	GDF5 (1.7)
PLCG1 (1.4)	BCAM (1.2)
ENSG00000244861 (1	CYP26A1 (1.9)
LPIN3 (1.5)	ST3GAL4 (1.4)
ENSG00000226622 (2	AMIGO1 (2.0)
NFE2L3 (1.5)	POLK (1.5)
TBKBP1 (1.3)	GPR61 (1.2)
HNF4A (1.8)	TIMD4 (1.7)
PPM1G (2.4)	IST1 (2.4)
LIPG (1.8)	SLC44A2 (1.8)
GPAM (1.6)	NOP58 (1.6)
OASL (1.4)	NRBP1 (1.4)
TRIB1 (1.3)	UBXN4 (1.2)
LCT (2.1)	APOC3 (1.8)
KANK2 (1.7)	IGF2R (1.7)
RASIP1 (1.7)	HNF1A (1.6)
CYB561D1 (1.5)	ATXN7L2 (1.5)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
CETP (1.8)	ZNF513 (1.8)
FNDC4 (1.6)	TIMD4 (1.3)
ABO (1.7)	ST3GAL4 (1.7)
FUT2 (2.1)	CYP26A1 (2.1)
ATXN1L (1.7)	LIPG (1.7)
CBLC (1.5)	ABO (1.4)
FADS1 (1.7)	NFE2L3 (1.7)
ATP13A1 (1.4)	ENSG00000244861 (1
ZNF821 (1.4)	ENSG00000231204 (1

MAMSTR (1.8)	ENSG00000228044 (1
SUMO1 (1.9)	HNF1A (1.6)
APOC3 (1.8)	IGF2R (1.7)
IST1 (1.6)	NPEPPS (1.6)
ENSG00000231204 (1	LPL (1.2)
GMIP (1.3)	ENSG00000256731 (1
GSTM4 (1.9)	ABCA5 (1.8)
ENSG00000231204 (1	ABCG8 (1.8)
ENSG00000231204 (1	ABCG8 (1.8)
CLPTM1 (1.5)	ABCG8 (1.4)
LPL (1.7)	GPR61 (1.7)
CARM1 (1.7)	SARS (1.6)
SMARCA4 (2.0)	MCM6 (2.0)
ENSG00000256731 (1	USP1 (1.6)
YSK4 (1.8)	FNDC4 (1.8)
DHX38 (1.7)	PPM1G (1.7)
ST3GAL4 (1.4)	ENSG00000231204 (1
PSMA5 (2.1)	MAU2 (2.0)
PVR (1.5)	NFE2L3 (1.4)
PMFBP1 (1.3)	ATXN7L2 (1.2)
PCSK9 (1.7)	IGF2R (1.6)
NRBP1 (2.1)	NUP93 (2.1)
MAFB (1.6)	KANK2 (1.6)
ATXN7L2 (2.1)	SPATC1 (2.1)
OTX1 (1.4)	KANK2 (1.3)
GNAT2 (1.9)	NFE2L3 (1.8)
BUD13 (1.7)	PARP10 (1.6)
USP1 (2.6)	FEN1 (2.4)
FEN1 (2.4)	IST1 (2.4)
MAU2 (2.2)	PLEC (1.9)
SARS (1.6)	IST1 (1.6)
PVR (1.8)	NFE2L3 (1.8)
TRIB1 (2.0)	PPM1G (2.0)
LIPG (1.6)	FUT1 (1.6)
ABO (1.5)	GPR61 (1.3)
GATAD2A (2.1)	MAU2 (1.9)
KANK2 (1.7)	CELSR2 (1.7)
GOT2P1 (1.1)	ENSG00000226648 (1
IGF2R (1.8)	FADS2 (1.6)
LDLR (2.1)	DARS (1.9)
FADS1 (2.1)	SMARCA4 (2.1)
FADS1 (2.1)	CYB561D1 (2.1)
ENSG00000182329 (1	KANK2 (1.8)
NPEPPS (1.5)	BCAM (1.5)
DNAH11 (1.8)	HNF1A (1.8)
KPNB1 (2.8)	NOP58 (2.7)
TRAM2 (1.7)	ENSG00000235545 (1
POC5 (2.1)	PPM1G (1.9)
PPM1G (2.6)	USP1 (2.6)
GCKR (1.7)	ENSG00000235545 (1

ENSG00000235545 (1	PMFBP1 (1.5)
APOE (1.9)	PBX4 (1.8)
ABCA6 (1.3)	PLCG1 (1.2)
OBP2B (1.5)	C11orf9 (1.5)
GRINA (1.5)	GSTM5 (1.4)
FEN1 (2.0)	NRBP1 (2.0)
NUP93 (1.9)	DHX38 (1.8)
PCSK9 (1.7)	GOT2P1 (1.6)
YIPF2 (1.5)	PLEC (1.4)
CARM1 (1.6)	IGF2R (1.6)
AMIGO1 (1.6)	MAMSTR (1.5)
GRINA (1.6)	ATP13A1 (1.6)
DOCK6 (1.6)	CILP2 (1.5)
IGF2R (1.6)	SUMO1 (1.5)
GRINA (2.0)	HMGCR (2.0)
MYLIP (1.2)	ENSG00000228044 (1
ABCA5 (1.9)	GNAI3 (1.8)
CYP26A1 (1.4)	PVRL2 (1.3)
CYP26A1 (1.4)	PVRL2 (1.3)
ATP13A1 (1.6)	DARS (1.6)
CARM1 (1.6)	CEP250 (1.6)
USP24 (1.7)	ENSG00000226648 (1
GSTM5 (1.8)	ENSG00000226622 (1
ZNF259 (2.0)	SARS (2.0)
ABCG5 (1.9)	ENSG00000236267 (1
PPM1G (1.8)	FGF21 (1.8)
GNAT2 (1.5)	HNF1A (1.5)
LPIN3 (1.4)	PVR (1.4)
R3HDM1 (2.0)	ENSG00000236436 (1
OTX1 (1.3)	DHODH (1.3)
FUT1 (1.3)	DNAH11 (1.2)
C12orf43 (1.6)	SUGP1 (1.4)
C12orf43 (1.6)	SUGP1 (1.4)
TRAM2 (1.5)	OASL (1.4)
ST3GAL4 (1.7)	LDLR (1.5)
CYB561D1 (1.8)	ABCA6 (1.8)
HNF1A (1.7)	ANGPTL3 (1.7)
HNF4A (1.6)	COL4A3BP (1.6)
DARS (2.3)	C12orf43 (2.0)
ZNF259 (1.7)	CEP250 (1.7)
LPIN3 (1.6)	CYP26A1 (1.5)
C19orf52 (1.8)	NOP58 (1.8)
ENSG00000226648 (1	R3HDM1 (1.6)
ENSG00000254235 (1	YIPF2 (1.7)
LPIN3 (1.8)	PSRC1 (1.7)
PPM1G (2.2)	CARM1 (2.2)
MYLIP (1.9)	NYNRIN (1.8)
SUMO1 (2.3)	SNX17 (2.1)
LIPG (1.7)	ABCA5 (1.6)
ERGIC3 (1.3)	ATP13A1 (1.3)

ENSG00000226806 (1	OASL (1.8)
APOA4 (2.1)	ABCG5 (2.1)
C19orf52 (1.9)	LPAL2 (1.6)
ENSG00000244861 (1	GDF5 (1.7)
ENSG00000235545 (1	ABCA6 (1.3)
PLCG1 (1.4)	ABCG5 (1.4)
APOA4 (1.8)	DOCK7 (1.8)
CYP26A1 (1.5)	SMARCA4 (1.4)
ENSG00000236267 (1	FNDC4 (1.2)
MCM6 (1.7)	FEN1 (1.6)
ABCA5 (1.7)	SARS (1.6)
POLK (1.4)	LCT (1.4)
SLC22A1 (2.0)	SYPL2 (2.0)
ST3GAL4 (1.4)	ENSG00000236267 (1
TBKBP1 (1.5)	SUMO1 (1.3)
IZUMO1 (1.5)	APOE (1.4)
LCT (2.0)	APOA4 (2.0)
DARS (1.9)	PGS1 (1.9)
C11orf9 (2.1)	CBLC (2.1)
TSSK6 (1.5)	C11orf9 (1.5)
POLK (1.8)	DOCK7 (1.8)
DARS (2.6)	CEP250 (2.6)
DARS (2.6)	CEP250 (2.6)
AMIGO1 (1.6)	BMPR2 (1.5)
DHODH (1.3)	SARS (1.3)
ENSG00000254235 (2	LPA (1.9)
SLC44A2 (2.2)	CYB561D1 (2.1)
USP24 (1.5)	LPL (1.4)
SMARCA4 (1.4)	PVR (1.3)
GATAD2A (1.9)	MYLIP (1.9)
CEP250 (1.9)	PPM1G (1.9)
CELSR2 (1.4)	IZUMO1 (1.4)
GPAM (1.6)	C17orf57 (1.5)
GCKR (2.6)	APOC4 (2.3)
C11orf9 (2.3)	IGF2R (2.2)
DOCK7 (1.7)	TOMM40 (1.7)
COL4A3BP (1.9)	ZNF259 (1.7)
ERGIC3 (1.9)	ENSG00000254235 (1
IST1 (2.5)	FEN1 (2.5)
NYNRIN (1.3)	MAFB (1.3)
DHODH (1.3)	IGF2R (1.2)
CLPTM1 (1.7)	MAU2 (1.6)
TRAM2 (1.7)	CLPTM1 (1.5)
APOC3 (2.0)	ENSG00000231204 (1
IGF2R (1.4)	DOCK7 (1.4)
BUD13 (2.2)	FEN1 (2.2)
ENSG00000231204 (1	OASL (1.3)
PLCG1 (1.5)	YIPF2 (1.3)
SUGP1 (1.5)	USP24 (1.5)
POC5 (2.2)	SUGP1 (1.9)

POC5 (2.2)	SUGP1 (1.9)
MAU2 (2.2)	ATXN1L (2.1)
FUT2 (1.5)	SMARCA4 (1.3)
USP24 (1.8)	APOE (1.7)
DARS (2.2)	TOP1 (2.2)
TIMD4 (1.1)	IGF2R (1.1)
PPM1G (1.9)	SNX17 (1.9)
TSSK6 (1.8)	ZNF513 (1.7)
DOCK6 (1.8)	DNAH11 (1.8)
PLCG1 (1.5)	SLC22A3 (1.4)
GATAD2A (2.4)	SUGP1 (2.4)
ENSG00000236267 (1	TM6SF2 (1.8)
TOP1 (2.6)	SMARCA4 (2.6)
DHODH (1.7)	IGF2R (1.6)
TBKBP1 (1.7)	OBP2B (1.6)
ENSG00000231204 (1	CLPTM1 (1.7)
ABO (1.8)	UBXN4 (1.7)
R3HDM1 (2.1)	ENSG00000228044 (2
BCAM (1.9)	CLPTM1 (1.8)
PLEC (1.4)	HP (1.4)
DHODH (1.7)	LPAL2 (1.6)
PARP10 (1.5)	SUGP1 (1.4)
BUD13 (1.8)	LPAR2 (1.5)
BUD13 (1.8)	LPAR2 (1.5)
BUD13 (1.8)	LPAR2 (1.5)
BUD13 (1.8)	LPAR2 (1.5)
FGF21 (1.5)	YSK4 (1.5)
BUD13 (2.3)	FEN1 (2.1)
ATXN1L (1.8)	ZNF259 (1.6)
PLCG1 (2.0)	ABCG8 (2.0)
APOC1 (1.7)	PGS1 (1.4)
UBXN4 (1.9)	DHX38 (1.8)
NPEPPS (1.7)	GATAD2A (1.7)
DNAH11 (1.5)	OBP2B (1.3)
CARM1 (1.9)	KPNB1 (1.7)
PGS1 (2.0)	SMARCA4 (2.0)
BCAM (2.1)	GRINA (2.0)
ENSG00000231204 (1	RELB (1.3)
TRAM2 (1.7)	APOA5 (1.6)
PCSK9 (1.8)	GDF5 (1.6)
GNAT2 (2.3)	NCAN (2.3)
KRTCAP3 (1.7)	ENSG00000226806 (1
GOT2P1 (1.8)	LIPG (1.5)
GOT2P1 (1.8)	LIPG (1.5)
GOT2P1 (1.8)	LIPG (1.5)
PPM1G (2.1)	DARS (2.1)
GRINA (1.5)	NFE2L3 (1.4)
USP24 (1.6)	SORT1 (1.5)
C19orf52 (1.5)	YIPF2 (1.4)
TOMM40 (1.5)	PSMA5 (1.5)

TOMM40 (1.5)	PSMA5 (1.5)
KANK2 (1.7)	PVRL2 (1.6)
EHBP1 (2.1)	CILP2 (1.8)
EHBP1 (2.1)	CILP2 (1.8)
PVR (1.4)	ENSG00000182329 (1
ENSG00000226645 (2	DHX38 (2.1)
DHX38 (2.2)	SMARCA4 (2.1)
GRINA (2.4)	SORT1 (2.3)
CILP2 (1.5)	LIPG (1.3)
FNDC4 (1.8)	PLCG1 (1.6)
DARS (1.6)	TM6SF2 (1.6)
NPEPPS (1.9)	ZRANB3 (1.9)
ZNF513 (1.3)	RELB (1.3)
ENSG00000228044 (1	RAB3GAP1 (1.1)
C11orf9 (2.0)	PVRL2 (1.9)
BUD13 (1.7)	ENSG00000244861 (1
BUD13 (1.7)	ENSG00000244861 (1
BUD13 (1.7)	ENSG00000244861 (1
SORT1 (1.8)	AMIGO1 (1.7)
USP1 (1.9)	AMPD2 (1.9)
USP1 (1.9)	AMPD2 (1.9)
TBKBP1 (1.7)	PLCG1 (1.6)
C12orf43 (2.2)	MAU2 (2.2)
ENSG00000182329 (1	TSSK6 (1.7)
GDF5 (1.5)	LPL (1.3)
MCM6 (1.9)	NOP58 (1.9)
CYP26A1 (1.7)	ATXN1L (1.6)
OTX1 (1.8)	GSTM5 (1.6)
CELSR2 (1.4)	NRBP1 (1.4)
IFT172 (2.0)	TRIM54 (1.9)
NPEPPS (2.0)	AMPD2 (1.8)
PBX4 (1.4)	GNAI3 (1.4)
GRINA (2.0)	AMPD2 (2.0)
ENSG00000236267 (1	GNAI3 (1.5)
RP1 (1.4)	ABO (1.4)
BMPR2 (1.6)	PLEC (1.6)
PLEC (2.0)	ABCA5 (1.7)
DHX38 (1.7)	CLPTM1 (1.7)
SLC22A3 (1.7)	POLK (1.6)
C19orf52 (2.1)	MAP3K4 (2.1)
COL4A3BP (1.7)	ABCA5 (1.7)
SUGP1 (1.8)	NFE2L3 (1.7)
SMARCA4 (2.1)	PLCG1 (2.0)
EHBP1 (1.5)	LPL (1.5)
ENSG00000256731 (1	GOT2P1 (1.4)
ZNF513 (1.5)	AMPD2 (1.5)
CLPTM1 (1.8)	C12orf43 (1.7)
NYNRIN (1.4)	ST3GAL4 (1.4)
NCAN (1.4)	OBP2B (1.4)
TRIB1 (1.6)	TIMD4 (1.5)

GMIP (1.8)	LPIN3 (1.8)
FUT1 (1.6)	MYLIP (1.6)
ATXN7L2 (1.6)	FADS2 (1.6)
YIPF2 (1.2)	OBP2B (1.1)
AMIGO1 (1.7)	ENSG00000236267 (1
KANK2 (1.7)	CYB561D1 (1.6)
IZUMO1 (1.3)	ENSG00000235545 (1
PGS1 (2.0)	DHODH (1.9)
CYB561D1 (1.9)	RAB3GAP1 (1.8)
ATP13A1 (2.2)	NOP58 (2.1)
KPNB1 (1.9)	GOT2P1 (1.8)
SLC22A3 (1.5)	ABCA5 (1.5)
OBP2B (1.3)	LIPG (1.2)
AMPD2 (1.8)	SUGP1 (1.7)
IGF2R (1.6)	R3HDM1 (1.5)
GCKR (1.8)	OTX1 (1.7)
HAVCR1 (1.6)	TOP1 (1.6)
C17orf57 (1.7)	GPAM (1.7)
TOMM40 (2.2)	BCAM (1.9)
CYP26A1 (1.5)	ATXN1L (1.5)
MYLIP (1.8)	NRBP1 (1.8)
ERGIC3 (1.8)	FUT1 (1.7)
AMPD2 (1.8)	OASL (1.7)
CETP (1.8)	HNF4A (1.6)
RAB3GAP1 (1.3)	TRIM54 (1.3)
KANK2 (2.1)	IGF2R (2.1)
CILP2 (1.8)	DOCK6 (1.6)
LPL (1.6)	ENSG00000235545 (1
TBKBP1 (1.6)	ABCG8 (1.5)
TXNL4B (1.6)	ENSG00000244861 (1
SNX17 (1.8)	GSTM4 (1.8)
CYP26A1 (1.6)	ZNF821 (1.5)
SUMO1 (1.4)	PBX4 (1.4)
ENSG00000235545 (1	COL4A3BP (1.5)
SLC22A1 (1.4)	ENSG00000254235 (1
GOT2P1 (1.8)	ENSG00000228044 (1
CARM1 (1.7)	SPATC1 (1.6)
FER1L4 (1.8)	UBXN4 (1.8)
NYNRIN (1.6)	PMFBP1 (1.6)
BMPR2 (1.7)	HAVCR1 (1.5)
CETP (1.3)	GSTM5 (1.2)
NFE2L3 (1.9)	SORT1 (1.9)
APOC3 (2.3)	LIPC (2.1)
GRINA (1.5)	ENSG00000228044 (1
LPIN3 (1.7)	KANK2 (1.7)
USP24 (1.9)	DHX38 (1.7)
USP24 (1.9)	DHX38 (1.7)
USP24 (1.9)	DHX38 (1.7)
RASIP1 (1.5)	TSSK6 (1.4)
EHBP1 (1.7)	TSSK6 (1.7)

C19orf52 (1.2)	MAU2 (1.2)
ENSG00000236267 (1	ABCA6 (1.4)
BCAM (1.4)	FGF21 (1.3)
CYB561D1 (1.8)	ZNF513 (1.7)
ZNF821 (1.8)	ZHX3 (1.7)
AMPD2 (1.5)	ENSG00000235545 (1
NRBP1 (1.6)	GATAD2A (1.5)
NRBP1 (1.6)	GATAD2A (1.5)
NRBP1 (1.6)	GATAD2A (1.5)
NRBP1 (1.6)	GATAD2A (1.5)
PARP10 (1.7)	PGS1 (1.6)
ENSG00000236267 (1	LIPC (1.6)
GDF5 (2.0)	TBKBP1 (1.7)
SLC22A2 (1.6)	YSK4 (1.6)
PLCG1 (1.7)	HNF1A (1.7)
FADS1 (1.5)	GMIP (1.4)
NFE2L3 (1.5)	MYLIP (1.5)
POC5 (1.9)	DHODH (1.8)
PVRL2 (1.3)	FGF21 (1.3)
LDLR (1.8)	PLEC (1.8)
R3HDM1 (1.8)	NCAN (1.7)
ENSG00000254235 (1	NYNRIN (1.8)
BUD13 (1.9)	MAU2 (1.7)
ABCA1 (1.7)	GRINA (1.7)
FADS2 (1.8)	BMPR2 (1.8)
GATAD2A (1.5)	NUP93 (1.4)
PLCG1 (1.3)	SARS (1.2)
BUD13 (1.8)	DOCK7 (1.7)
ATXN7L2 (1.9)	IFT172 (1.8)
PPM1G (1.8)	ENSG00000226648 (1
OBP2B (1.6)	DNAH11 (1.6)
IST1 (2.6)	MAU2 (2.6)
PVRL2 (2.2)	PVR (2.1)
ABCA5 (2.5)	RP1 (2.3)
OASL (1.4)	TIMD4 (1.3)
ZNF513 (1.4)	GRINA (1.3)
TIMD4 (1.7)	CETP (1.5)
PLCG1 (1.8)	LDLR (1.8)
IZUMO1 (2.0)	LIPG (1.9)
IST1 (2.5)	PPM1G (2.2)
ST3GAL4 (1.5)	ENSG00000226622 (1
C12orf43 (1.8)	SUGP1 (1.7)
ENSG00000236436 (1	PGS1 (1.3)
USP24 (1.6)	LDLR (1.6)
APOE (1.6)	ZNF513 (1.5)
FUT1 (1.9)	KRTCAP3 (1.9)
ATXN7L2 (1.8)	CARM1 (1.8)
YSK4 (1.8)	HNF1A (1.8)
APOE (1.7)	PLEC (1.7)
ABCA1 (1.5)	LPAR2 (1.4)

SLC22A3 (1.7)	ENSG00000228044 (1
DNAH11 (1.6)	DHODH (1.5)
C19orf52 (1.4)	ABCA6 (1.3)
CEP250 (1.4)	CILP2 (1.4)
SNX17 (1.8)	NRBP1 (1.7)
GDF5 (1.5)	SUMO1 (1.5)
KPNB1 (2.2)	FEN1 (2.1)
PMFBP1 (1.4)	LDLR (1.3)
ABCA1 (1.5)	GSTM4 (1.4)
USP1 (1.9)	ENSG00000226648 (1
HAPLN4 (1.5)	GMIP (1.5)
RASIP1 (1.4)	ABCG8 (1.4)
DNAH11 (1.6)	HAVCR1 (1.5)
AMPD2 (1.4)	PARP10 (1.4)
ATXN7L2 (1.7)	CBLC (1.6)
USP1 (2.4)	MAP3K4 (2.3)
NFE2L3 (1.8)	SNX17 (1.7)
LPL (1.4)	PVR (1.4)
AMIGO1 (1.8)	ENSG00000236436 (1
AMPD2 (2.1)	ATP13A1 (2.1)
HMGCR (1.9)	TXNL4B (1.8)
ATP13A1 (2.0)	GRINA (1.8)
MAMSTR (1.2)	NYNRIN (1.2)
SLC22A3 (1.5)	TRAM2 (1.5)
GSTM5 (1.7)	ENSG00000254235 (1
R3HDM1 (1.9)	GATAD2A (1.8)
IGF2R (2.3)	COL4A3BP (2.3)
ENSG00000256731 (2	TSSK6 (2.1)
ZNF821 (1.2)	OASL (1.2)
OTX1 (1.9)	HMGCR (1.8)
KANK2 (1.3)	TRIB1 (1.3)
DHODH (1.6)	NOP58 (1.5)
GMIP (1.5)	PARP10 (1.4)
LIPC (1.2)	SLC44A2 (1.2)
MAFB (1.7)	ENSG00000226622 (1
PCSK9 (1.3)	PLCG1 (1.3)
APOE (1.5)	MAP3K4 (1.5)
ABO (1.2)	FER1L4 (1.2)
DOCK7 (2.0)	SMARCA4 (2.0)
MAFB (1.8)	LPAL2 (1.8)
ENSG00000244861 (1	MYLIP (1.6)
ENSG00000226648 (1	C17orf57 (1.2)
TIMD4 (1.8)	RAB3GAP1 (1.7)
TBKBP1 (2.0)	RASIP1 (2.0)
R3HDM1 (1.9)	TRAM2 (1.8)
ATXN7L2 (1.8)	NRBP1 (1.8)
ZRANB3 (1.6)	FGF21 (1.6)
SARS (1.8)	SUGP1 (1.5)
PVR (1.9)	TSSK6 (1.7)
IGF2R (1.6)	PVRL2 (1.6)

LPAR2 (1.7)	GOT2P1 (1.6)
DOCK6 (1.8)	GPAM (1.6)
MAU2 (1.9)	IGF2R (1.9)
ABCA5 (2.1)	SLC22A1 (2.0)
C11orf9 (1.5)	NUP93 (1.4)
CARM1 (2.0)	ABCA5 (1.9)
ABCG5 (2.0)	APOC1 (1.8)
NUP93 (1.7)	SUGP1 (1.6)
POC5 (1.5)	CARM1 (1.4)
ENSG00000254235 (1	ENSG00000226645 (1
USP1 (2.2)	TOP1 (2.2)
EHBP1 (1.8)	ST3GAL4 (1.8)
ENSG00000254235 (1	MYLIP (1.7)
IGF2R (2.0)	PSMA5 (1.8)
DNAH11 (1.6)	LCT (1.5)
NPEPPS (1.8)	PLEC (1.8)
POC5 (1.5)	CYP26A1 (1.4)
FEN1 (2.0)	GNAI3 (1.9)
FEN1 (2.0)	GNAI3 (1.9)
USP24 (1.7)	GMIP (1.7)
C19orf52 (1.3)	ATP13A1 (1.3)
CARM1 (1.7)	TRAM2 (1.7)
SLC22A2 (1.7)	IGF2R (1.7)
ENSG00000182329 (1	DOCK7 (1.6)
ZHX3 (2.1)	TBKBP1 (1.9)
ABCG5 (1.5)	ABCG8 (1.3)
CARM1 (1.7)	NYNRIN (1.7)
NUP93 (1.9)	ST3GAL4 (1.9)
ERGIC3 (1.5)	ENSG00000244861 (1
UBXN4 (2.1)	NFE2L3 (2.0)
GNAI3 (2.1)	AMPD2 (2.0)
MAMSTR (1.7)	ENSG00000182329 (1
GRINA (2.0)	ENSG00000228044 (1
ERGIC3 (1.8)	PVRL2 (1.8)
LIPG (1.4)	PMFBP1 (1.4)
LPIN3 (1.4)	APOE (1.3)
OBP2B (1.4)	DNAH11 (1.3)
AMPD2 (1.8)	C19orf80 (1.8)
SLC22A2 (1.4)	ATXN1L (1.4)
ZNF821 (1.7)	FUT1 (1.7)
LIPC (1.3)	R3HDM1 (1.2)
TIMD4 (1.5)	NFE2L3 (1.4)
LPA (1.1)	CYB561D1 (1.1)
TIMD4 (1.6)	ENSG00000226645 (1
LPAR2 (1.2)	MAU2 (1.2)
UBXN4 (2.1)	PSMA5 (2.0)
ATP13A1 (2.3)	SUGP1 (2.1)
GNAI3 (1.9)	GSTM4 (1.9)
SARS (1.5)	DHX38 (1.5)
SYPL2 (1.6)	ABCA5 (1.6)

SNX17 (2.2)	PSMA5 (2.0)
LPAL2 (1.3)	TBKBP1 (1.3)
GCKR (1.6)	OBP2B (1.5)
ABCA1 (1.8)	PARP10 (1.8)
LCT (1.6)	ZHX3 (1.6)
PMFBP1 (1.7)	ERGIC3 (1.6)
SLC44A2 (2.2)	ZNF513 (2.0)
ABCA6 (1.7)	KANK2 (1.6)
ATXN1L (1.9)	GMIP (1.9)
PLEC (1.3)	ATXN7L2 (1.3)
HMGCR (2.0)	BMPR2 (2.0)
LPIN3 (1.4)	GOT2P1 (1.4)
SMARCA4 (1.7)	DARS (1.7)
MYLIP (1.5)	PGS1 (1.4)
LPAR2 (1.8)	FUT2 (1.7)
C17orf57 (1.6)	RAB3GAP1 (1.5)
C17orf57 (1.6)	RAB3GAP1 (1.5)
DARS (1.4)	ENSG00000235545 (1
BCAM (1.9)	LCT (1.9)
OTX1 (1.7)	MAFB (1.6)
BUD13 (2.2)	SUGP1 (2.1)
ATP13A1 (2.1)	APOA4 (2.1)
LPA (1.6)	PLG (1.6)
ENSG00000226806 (1	ATXN1L (1.9)
USP24 (1.9)	GNAI3 (1.9)
ZNF821 (1.5)	SLC22A1 (1.5)
APOE (1.8)	TIMD4 (1.7)
NUP93 (1.7)	PPM1G (1.7)
NFE2L3 (1.7)	FADS2 (1.7)
PLG (2.3)	NCAN (2.2)
MAFB (1.8)	CYP26A1 (1.7)
CEP250 (2.4)	RAB3GAP1 (2.4)
NPEPPS (2.0)	KPNB1 (1.9)
IFT172 (1.6)	NCAN (1.6)
SLC22A2 (1.5)	SLC44A2 (1.4)
TXNL4B (1.9)	APOC3 (1.9)
KPNB1 (1.8)	MCM6 (1.8)
ENSG00000226806 (1	TBKBP1 (1.7)
IZUMO1 (1.7)	SPATC1 (1.6)
TBKBP1 (1.4)	PARP10 (1.3)
C11orf9 (1.5)	AMIGO1 (1.4)
ENSG00000226622 (1	GPR61 (1.5)
TRIM54 (1.4)	AMIGO1 (1.4)
OTX1 (1.3)	C19orf52 (1.3)
ENSG00000226648 (1	CYP26A1 (1.6)
DOCK6 (1.5)	GDF5 (1.5)
SNX17 (2.0)	DNAH11 (1.9)
MCM6 (2.3)	RAB3GAP1 (2.3)
MCM6 (1.8)	DARS (1.8)
PARP10 (1.6)	FER1L4 (1.6)

LPL (1.8)	TBKBP1 (1.8)
FNDC4 (2.1)	HP (1.9)
ANGPTL3 (1.8)	GCKR (1.7)
FEN1 (2.5)	IST1 (2.3)
ABCA5 (1.6)	ENSG00000226648 (1
ENSG00000256731 (2	KANK2 (2.0)
EHBP1 (1.7)	MYLIP (1.7)
PBX4 (1.5)	SYPL2 (1.5)
DNAH11 (1.6)	PPM1G (1.6)
IZUMO1 (1.4)	ATXN7L2 (1.4)
ENSG00000182329 (1	CILP2 (1.3)
DARS (1.9)	USP24 (1.7)
ATP13A1 (1.7)	ZNF259 (1.7)
LIPC (1.4)	CBLC (1.4)
FADS1 (1.4)	ENSG00000236436 (1
IFT172 (1.2)	ENSG00000226648 (1
PPM1G (1.7)	MAU2 (1.6)
GATAD2A (2.3)	BUD13 (2.2)
ENSG00000226645 (1	SYPL2 (1.4)
C19orf52 (1.7)	TOMM40 (1.7)
MAP3K4 (2.7)	CLPTM1 (2.6)
ENSG00000231204 (1	PLEC (1.8)
YIPF2 (2.1)	ENSG00000236436 (1
MAFB (1.8)	OTX1 (1.6)
NYNRIN (1.7)	NRBP1 (1.6)
PLCG1 (1.7)	FGF21 (1.7)
IFT172 (1.4)	KPNB1 (1.3)
DOCK7 (1.7)	TIMD4 (1.6)
OASL (1.5)	TRIB1 (1.5)
SUMO1 (1.5)	DHX38 (1.5)
SUMO1 (1.5)	DHX38 (1.5)
SUMO1 (1.5)	DHX38 (1.5)
ZNF259 (2.4)	SNX17 (2.3)
TOMM40 (1.8)	PPM1G (1.8)
GNAI3 (2.5)	MCM6 (1.8)
ENSG00000236436 (1	AMIGO1 (1.9)
FUT1 (2.1)	RAB3GAP1 (2.1)
SNX17 (2.2)	ERGIC3 (2.1)
MAU2 (1.8)	PLEC (1.7)
SLC44A2 (1.5)	PCSK9 (1.4)
GPR61 (1.7)	KANK2 (1.7)
COL4A3BP (1.8)	ATXN1L (1.6)
ZNF259 (1.7)	SLC44A2 (1.6)
GATAD2A (1.4)	BMPR2 (1.4)
IZUMO1 (1.8)	POLK (1.7)
ENSG00000226645 (1	C19orf52 (1.6)
MAP3K4 (2.0)	COL4A3BP (1.9)
HAPLN4 (1.4)	NFE2L3 (1.3)
CYP26A1 (1.7)	HAVCR1 (1.5)
PSRC1 (1.9)	PSMA5 (1.9)

OBP2B (1.6)	GATAD2A (1.6)
LIPC (1.3)	OTX1 (1.3)
APOB (2.0)	SLC22A1 (1.9)
TXNL4B (1.8)	ABCA6 (1.8)
PSRC1 (1.8)	DOCK7 (1.7)
DHX38 (2.2)	KPNB1 (2.2)
NFE2L3 (1.3)	ENSG00000226645 (1
BUD13 (1.9)	KPNB1 (1.8)
C11orf9 (1.7)	ENSG00000244861 (1
PCSK9 (1.5)	LCT (1.5)
PARP10 (1.7)	ENSG00000226622 (1
C12orf43 (2.2)	ABCG8 (2.2)
MAP3K4 (1.7)	ZRANB3 (1.7)
LPIN3 (1.2)	DHODH (1.2)
LPIN3 (1.2)	DHODH (1.2)
AMPD2 (1.8)	DARS (1.6)
CETP (1.4)	APOE (1.3)
NPEPPS (1.6)	BMPR2 (1.5)
SMARCA4 (2.4)	GNAI3 (2.0)
GSTM5 (1.8)	PBX4 (1.7)
DARS (2.3)	MAMSTR (2.1)
HAVCR1 (1.8)	LIPG (1.8)
ABCA5 (1.5)	MYLIP (1.5)
PMFBP1 (1.7)	GDF5 (1.6)
TIMD4 (1.1)	PLCG1 (1.1)
CETP (1.6)	C19orf52 (1.5)
LPAR2 (1.4)	BMPR2 (1.4)
PVR (1.6)	SLC44A2 (1.6)
PSMA5 (1.6)	ABCA6 (1.6)
FUT1 (2.1)	TM6SF2 (2.1)
TM6SF2 (1.5)	APOE (1.4)
DOCK7 (1.7)	ST3GAL4 (1.7)
KPNB1 (2.4)	PPM1G (1.6)
TSSK6 (2.1)	FNDC4 (2.0)
OTX1 (1.6)	TXNL4B (1.6)
ENSG00000226622 (1	PLCG1 (1.0)
PLEC (1.8)	NPEPPS (1.7)
PPM1G (2.4)	DHX38 (2.4)
TXNL4B (1.9)	R3HDM1 (1.9)
NFE2L3 (1.7)	PBX4 (1.5)
FUT1 (2.2)	PSMA5 (2.1)
LIPG (2.1)	EHBP1 (1.8)
GCKR (1.6)	ST3GAL4 (1.5)
USP1 (2.4)	IST1 (2.4)
ZNF821 (1.7)	SLC22A3 (1.6)
NFE2L3 (1.7)	ABCA6 (1.7)
BCAM (1.8)	ABCA5 (1.5)
MAP3K4 (1.6)	ENSG00000226622 (1
OBP2B (1.8)	ENSG00000236436 (1
PGS1 (1.9)	RAB3GAP1 (1.9)

DHX38 (2.2)	KPNB1 (2.0)
TIMD4 (1.6)	GMIP (1.6)
TIMD4 (1.6)	GMIP (1.6)
YSK4 (1.5)	AMIGO1 (1.2)
LPL (1.6)	CYB561D1 (1.6)
TIMD4 (1.4)	MAP3K4 (1.4)
HNF1A (1.5)	HNF4A (1.5)
TRAM2 (1.5)	FNDC4 (1.5)
LIPG (1.8)	EHBP1 (1.8)
ATP13A1 (2.5)	NRBP1 (2.3)
RASIP1 (1.9)	LIPG (1.9)
SMARCA4 (2.1)	KPNB1 (1.8)
LIPG (1.6)	CELSR2 (1.6)
SUMO1 (1.8)	LIPC (1.7)
FUT1 (1.7)	KANK2 (1.7)
NOP58 (2.1)	CEP250 (2.1)
NYNRIN (1.5)	MAMSTR (1.5)
NFE2L3 (1.4)	TRIB1 (1.4)
ENSG00000226645 (1	NYNRIN (1.8)
TSSK6 (1.8)	LPAR2 (1.7)
ENSG00000235545 (1	CYB561D1 (1.5)
AMIGO1 (1.5)	LIPG (1.4)
MAFB (2.0)	IGF2R (1.9)
SORT1 (1.5)	AMIGO1 (1.5)
EHBP1 (1.9)	LPIN3 (1.9)
POLK (1.4)	GMIP (1.3)
CYB561D1 (1.8)	GNAT2 (1.3)
SUMO1 (1.3)	NOP58 (1.2)
KRTCAP3 (1.6)	ENSG00000226645 (1
SMARCA4 (2.7)	CLPTM1 (1.9)
ENSG00000231204 (1	SLC44A2 (1.5)
NYNRIN (1.2)	BCAM (1.1)
PGS1 (2.0)	RAB3GAP1 (1.9)
POLK (1.7)	RAB3GAP1 (1.6)
PVRL2 (1.6)	SLC22A2 (1.6)
ENSG00000256731 (1	C11orf9 (1.8)
SPATC1 (1.4)	POC5 (1.4)
ENSG00000226648 (1	ZNF821 (1.8)
NFE2L3 (1.6)	ABCA1 (1.6)
ENSG00000254235 (1	SUMO1 (1.7)
TOMM40 (2.2)	DHX38 (2.2)
ZNF259 (2.1)	NOP58 (2.1)
FNDC4 (1.7)	FADS2 (1.7)
PVRL2 (1.8)	CYP26A1 (1.8)
DNAH11 (1.4)	BCAM (1.3)
TBKBP1 (1.4)	ZNF513 (1.4)
GDF5 (1.9)	ENSG00000235545 (1
GSTM4 (1.8)	ENSG00000236436 (1
ZNF513 (1.5)	FUT1 (1.4)
ABCA1 (1.5)	HMGCR (1.5)

IGF2R (1.7) PLCG1 (1.6)
ENSG00000226622 (1 GNAI3 (1.8)
OBP2B (1.6) MYLIP (1.4)
ENSG00000254235 (1 ABO (1.5)
PARP10 (1.9) POLK (1.8)
SLC44A2 (1.7) FER1L4 (1.7)
TIMD4 (1.4) FGF21 (1.3)
GPAM (2.0) PCSK9 (1.9)
SNX17 (1.9) TIMD4 (1.8)
POLK (1.8) GMIP (1.8)
NPEPPS (2.3) GNAI3 (1.9)
ENSG00000226622 (1 ENSG00000256731 (1
ENSG00000226622 (1 ENSG00000256731 (1
LIPG (1.6) HAVCR1 (1.5)
HAVCR1 (1.5) PPM1G (1.5)
ABCA5 (1.5) ENSG00000254235 (1
ATXN7L2 (1.8) MAP3K4 (1.5)
SORT1 (1.7) C19orf52 (1.7)
IGF2R (1.7) KANK2 (1.7)
IST1 (2.3) SMARCA4 (2.3)
PLEC (1.7) ZNF513 (1.6)
SLC44A2 (1.5) MYLIP (1.4)
ENSG00000254235 (1 CELSR2 (1.7)
RELB (1.9) GATAD2A (1.8)
FUT2 (1.2) OTX1 (1.2)
ENSG00000236436 (1 ENSG00000256731 (1
FGF21 (1.6) FADS2 (1.5)
HMGCR (1.7) EHBP1 (1.7)
KANK2 (1.3) GATAD2A (1.3)
POLK (1.6) GSTM5 (1.6)
IZUMO1 (1.7) CYB561D1 (1.7)
GDF5 (1.7) IFT172 (1.6)
PBX4 (1.9) LPA (1.8)
ENSG00000226648 (1 CYP26A1 (1.4)
ENSG00000236436 (1 BCAM (1.6)
AMIGO1 (1.8) ENSG00000226622 (1
AMIGO1 (1.8) ENSG00000226622 (1
ANGPTL3 (1.9) PBX4 (1.9)
BCAM (1.8) PCSK9 (1.7)
DHX38 (1.9) AMIGO1 (1.9)
DARS (1.6) ENSG00000254235 (1
DNAH11 (1.5) ABCA5 (1.4)
KPNB1 (1.9) PLEC (1.8)
DOCK6 (1.7) GPAM (1.7)
PARP10 (1.6) ENSG00000235545 (1
MCM6 (1.8) PVR (1.8)
ENSG00000231204 (2 TSSK6 (1.9)
OTX1 (1.8) IZUMO1 (1.8)
ENSG00000236267 (1 GOT2P1 (1.8)
ZNF821 (1.4) SMARCA4 (1.3)

TOP1 (1.7)	ERGIC3 (1.7)
GATAD2A (1.7)	TRAM2 (1.7)
EHBP1 (1.5)	CELSR2 (1.5)
POC5 (2.1)	TOMM40 (1.9)
DHX38 (2.4)	GNAI3 (2.4)
ENSG00000226622 (1	ST3GAL4 (1.3)
PGS1 (1.7)	LPAR2 (1.6)
LCT (1.6)	SPATC1 (1.6)
DHX38 (1.7)	IST1 (1.7)
TSSK6 (1.7)	CETP (1.7)
PMFBP1 (1.7)	ENSG00000226622 (1
GMIP (1.9)	BUD13 (1.7)
GMIP (1.9)	BUD13 (1.7)
ENSG00000235545 (1	YIPF2 (1.7)
MYLIP (1.7)	TBKBP1 (1.7)
CLPTM1 (1.6)	ENSG00000244861 (1
ATXN7L2 (1.9)	GCKR (1.9)
DOCK6 (1.6)	NUP93 (1.6)
PARP10 (1.4)	SUMO1 (1.4)
ABCG8 (1.9)	RASIP1 (1.8)
ATXN7L2 (1.8)	BMPR2 (1.8)
PSMA5 (2.2)	PPM1G (1.7)
CARM1 (1.4)	USP24 (1.4)
ATXN7L2 (1.7)	NCAN (1.6)
SLC22A3 (1.5)	GOT2P1 (1.5)
COL4A3BP (2.1)	ABCA1 (2.0)
PPM1G (2.1)	USP24 (2.0)
ENSG00000231204 (2	SORT1 (2.2)
TRAM2 (1.9)	FNDC4 (1.6)
ENSG00000226622 (1	ENSG00000254235 (1
R3HDM1 (1.5)	GDF5 (1.5)
C17orf57 (1.7)	ENSG00000182329 (1
GSTM5 (1.8)	C19orf52 (1.8)
ENSG00000235545 (1	USP24 (1.6)
ZNF259 (1.7)	SLC22A2 (1.7)
CLPTM1 (1.9)	USP24 (1.9)
PVRL2 (1.6)	NRBP1 (1.5)
LPAL2 (1.5)	ABCA6 (1.5)
BCAM (2.3)	MAP3K4 (2.2)
HAPLN4 (1.3)	SNX17 (1.3)
TXNL4B (2.1)	RAB3GAP1 (2.1)
ENSG00000256731 (1	GPR61 (1.8)
NFE2L3 (1.8)	PVR (1.8)
NRBP1 (1.9)	SLC44A2 (1.9)
ANGPTL3 (1.8)	PARP10 (1.7)
ATP13A1 (1.5)	ENSG00000226648 (1
SNX17 (1.5)	ST3GAL4 (1.4)
ENSG00000226645 (2	DHX38 (2.2)
IFT172 (1.5)	USP24 (1.5)
YSK4 (1.5)	DNAH11 (1.4)

LIPG (1.6)	OASL (1.5)
EHBP1 (2.0)	ENSG00000226648 (2
ENSG00000226806 (1	R3HDM1 (1.7)
NOP58 (1.8)	USP1 (1.7)
NUP93 (2.3)	TOP1 (2.3)
PBX4 (1.4)	HAVCR1 (1.4)
RELB (1.7)	ENSG00000226622 (1
LPA (1.2)	HAVCR1 (1.2)
FEN1 (2.4)	USP1 (2.4)
OASL (1.6)	FUT1 (1.6)
IGF2R (1.8)	PPM1G (1.7)
CETP (1.4)	TRAM2 (1.4)
OASL (1.8)	SPATC1 (1.7)
NPEPPS (1.9)	IGF2R (1.8)
GNAI3 (1.6)	CARM1 (1.5)
PSMA5 (1.1)	MYLIP (1.1)
NFE2L3 (1.3)	MAU2 (1.3)
NFE2L3 (1.3)	MAU2 (1.3)
DNAH11 (1.7)	LPAL2 (1.5)
PPM1G (2.1)	MCM6 (2.1)
SMARCA4 (2.0)	ENSG00000226648 (2
SNX17 (2.1)	GSTM4 (1.8)
OBP2B (1.6)	UBXN4 (1.5)
APOA4 (1.8)	APOC3 (1.7)
C19orf52 (1.4)	APOC1 (1.4)
LIPG (1.7)	ENSG00000226806 (1
ST3GAL4 (1.6)	LPL (1.6)
CEP250 (1.5)	ENSG00000236436 (1
SMARCA4 (1.9)	UBXN4 (1.9)
PGS1 (1.6)	CLPTM1 (1.4)
CLPTM1 (1.8)	CARM1 (1.8)
YSK4 (2.0)	PARP10 (2.0)
NPEPPS (2.0)	GDF5 (1.9)
GCKR (1.7)	FNDC4 (1.6)
LPAR2 (1.2)	COL4A3BP (1.1)
TRIM54 (1.4)	OTX1 (1.3)
PLG (1.8)	SLC22A1 (1.7)
IGF2R (1.5)	LIPG (1.4)
PLCG1 (1.1)	ABCA5 (1.0)
C19orf52 (1.4)	SLC22A3 (1.4)
DHODH (1.7)	TIMD4 (1.5)
GPAM (1.7)	SLC22A3 (1.6)
LIPG (1.3)	GSTM5 (1.3)
NUP93 (1.7)	ENSG00000182329 (1
ABCA6 (2.3)	ENSG00000236267 (2
GPAM (1.9)	LPL (1.8)
DOCK7 (1.4)	HMGCR (1.3)
POLK (1.5)	GATAD2A (1.4)
FADS1 (1.6)	ENSG00000235545 (1
ENSG00000231204 (2	KANK2 (1.8)

ZHX3 (1.9)	LPAL2 (1.8)
TXNL4B (1.9)	SYPL2 (1.9)
BMPR2 (2.0)	PVRL2 (1.8)
TSSK6 (1.7)	ENSG00000231204 (1
GNAT2 (1.8)	ATP13A1 (1.7)
GNAT2 (1.8)	ATP13A1 (1.7)
GSTM4 (1.6)	AMPD2 (1.5)
ENSG00000236267 (1	NFE2L3 (1.2)
RASIP1 (1.6)	MAMSTR (1.5)
IST1 (2.3)	SUGP1 (2.2)
BUD13 (1.9)	TOP1 (1.9)
C19orf52 (1.6)	SUMO1 (1.6)
ENSG00000226806 (1	AMIGO1 (1.3)
CYP26A1 (1.7)	SLC22A2 (1.7)
TOP1 (1.4)	NRBP1 (1.4)
ENSG00000235545 (2	DOCK7 (2.0)
FER1L4 (1.8)	ERGIC3 (1.7)
TXNL4B (1.5)	CYP26A1 (1.5)
MAMSTR (2.2)	IFT172 (2.1)
IFT172 (1.5)	MAFB (1.5)
KRTCAP3 (1.6)	NPEPPS (1.5)
CELSR2 (2.3)	GATAD2A (1.9)
CYB561D1 (1.9)	ZHX3 (1.8)
HAVCR1 (1.8)	SPATC1 (1.7)
ENSG00000226648 (1	FUT2 (1.4)
C19orf52 (1.3)	TSSK6 (1.3)
AMIGO1 (1.8)	ATXN1L (1.8)
ENSG00000236436 (1	GCKR (1.8)
OTX1 (1.7)	MAFB (1.6)
GPAM (1.3)	DNAH11 (1.3)
USP24 (1.6)	TBKBP1 (1.6)
KPNB1 (2.2)	NPEPPS (2.1)
PLCG1 (1.7)	HAVCR1 (1.6)
OTX1 (2.1)	KPNB1 (2.0)
ZNF513 (1.5)	EHBP1 (1.5)
UBXN4 (1.7)	TRIM54 (1.6)
LIPC (1.3)	ABCA1 (1.2)
CILP2 (1.7)	POLK (1.6)
MAU2 (1.5)	ATXN7L2 (1.5)
UBXN4 (2.1)	KPNB1 (2.1)
RP1 (1.2)	PLCG1 (1.2)
ST3GAL4 (1.8)	APOC3 (1.6)
GSTM5 (1.8)	PMFBP1 (1.7)
GNAI3 (1.8)	PLEC (1.7)
ATP13A1 (1.8)	ABO (1.8)
CEP250 (1.5)	C17orf57 (1.5)
NYNRIN (1.5)	ENSG00000244861 (1
OBP2B (1.7)	NUP93 (1.7)
FUT1 (1.5)	ENSG00000226648 (1
OBP2B (1.7)	FGF21 (1.6)

ATXN1L (2.0)	SUMO1 (2.0)
HNF1A (1.4)	CYP26A1 (1.4)
SNX17 (2.0)	DOCK6 (1.9)
TRIB1 (1.7)	SLC44A2 (1.6)
SORT1 (1.6)	BMPR2 (1.6)
MAMSTR (1.9)	TSSK6 (1.8)
SORT1 (2.1)	ABCG5 (1.9)
KRTCAP3 (1.5)	ENSG00000254235 (1
SLC44A2 (1.4)	AMPD2 (1.4)
CYP26A1 (1.6)	DOCK7 (1.5)
CEP250 (1.3)	FER1L4 (1.3)
CEP250 (1.3)	FER1L4 (1.3)
SLC22A3 (1.6)	ENSG00000226622 (1
ENSG00000182329 (1	BCAM (1.4)
C12orf43 (2.7)	KPNB1 (2.5)
CARM1 (1.8)	ATXN1L (1.6)
ZNF513 (1.7)	TRIB1 (1.7)
KANK2 (1.7)	NRBP1 (1.7)
IFT172 (1.7)	PLCG1 (1.6)
PGS1 (1.8)	CELSR2 (1.8)
KANK2 (1.6)	ENSG00000226622 (1
ENSG00000244861 (2	RAB3GAP1 (2.1)
ZNF821 (1.9)	CEP250 (1.9)
GATAD2A (1.8)	ENSG00000182329 (1
HNF1A (1.8)	PPM1G (1.8)
RELB (1.3)	TXNL4B (1.3)
C12orf43 (2.4)	FEN1 (2.3)
SNX17 (2.1)	DARS (1.9)
SUGP1 (2.7)	USP1 (2.6)
ZNF513 (1.6)	MAFB (1.6)
TOP1 (2.3)	ATXN1L (2.1)
CETP (1.6)	TIMD4 (1.6)
MAU2 (2.0)	GSTM4 (1.9)
MAU2 (2.0)	GSTM4 (1.9)
EHBP1 (1.7)	FUT1 (1.6)
MAMSTR (1.5)	PGS1 (1.4)
GNAT2 (1.7)	TM6SF2 (1.7)
AMPD2 (1.2)	CLPTM1 (1.1)
ERGIC3 (1.9)	HAPLN4 (1.8)
IFT172 (1.5)	PCSK9 (1.4)
SUGP1 (2.4)	NOP58 (2.4)
PSMA5 (1.6)	TOP1 (1.5)
PSMA5 (1.6)	TOP1 (1.5)
PSMA5 (1.6)	TOP1 (1.5)
LPAL2 (1.7)	UBXN4 (1.6)
BUD13 (2.0)	NYNRIN (1.9)
IFT172 (2.0)	CYP26A1 (1.9)
ATP13A1 (1.4)	RP1 (1.3)
CETP (1.4)	ZHX3 (1.4)
SORT1 (1.7)	GRINA (1.7)

HMGCR (2.1)	SLC22A2 (2.0)
PCSK9 (1.5)	HAPLN4 (1.4)
LDLR (2.1)	FUT1 (1.9)
APOE (1.6)	ENSG00000256731 (1
GMIP (1.4)	FUT1 (1.3)
ZNF821 (1.6)	KANK2 (1.5)
CARM1 (1.7)	KANK2 (1.7)
TSSK6 (1.7)	BMPR2 (1.6)
ZHX3 (1.4)	FGF21 (1.4)
ENSG00000228044 (1	LPIN3 (1.0)
ATXN1L (1.7)	PVR (1.6)
CILP2 (2.0)	NYNRIN (1.9)
C11orf9 (1.7)	ENSG00000256731 (1
LIPC (1.8)	RASIP1 (1.7)
ENSG00000226806 (1	ENSG00000226622 (1
ENSG00000226806 (1	ENSG00000226622 (1
UBXN4 (1.6)	C12orf43 (1.5)
FUT2 (1.8)	UBXN4 (1.6)
APOE (1.7)	CETP (1.6)
DOCK6 (1.5)	BUD13 (1.4)
EHBP1 (1.9)	TSSK6 (1.8)
TSSK6 (1.6)	ENSG00000231204 (1
NPEPPS (1.7)	ENSG00000226648 (1
HAPLN4 (2.1)	USP24 (2.0)
C19orf52 (1.3)	LIPG (1.2)
GNAI3 (1.9)	LPIN3 (1.9)
NYNRIN (1.4)	YSK4 (1.4)
TXNL4B (1.5)	APOE (1.5)
ATP13A1 (1.7)	ENSG00000244861 (1
PPM1G (2.4)	BUD13 (2.4)
SNX17 (1.9)	TOMM40 (1.9)
COL4A3BP (1.7)	ATXN1L (1.6)
TRIM54 (1.8)	IGF2R (1.6)
GPR61 (1.7)	ABO (1.6)
ENSG00000236436 (2	TXNL4B (2.0)
CILP2 (2.0)	IFT172 (1.9)
COL4A3BP (1.6)	ST3GAL4 (1.5)
EHBP1 (1.7)	IFT172 (1.6)
C17orf57 (1.7)	LIPC (1.6)
ST3GAL4 (1.7)	DOCK7 (1.7)
ENSG00000226806 (1	PLCG1 (1.8)
FEN1 (2.5)	USP1 (2.3)
FEN1 (2.5)	USP1 (2.3)
FEN1 (2.5)	USP1 (2.3)
PLCG1 (1.5)	LIPG (1.4)
OBP2B (1.9)	BCAM (1.8)
FGF21 (1.4)	LPIN3 (1.2)
TIMD4 (1.6)	PMFBP1 (1.4)
SUGP1 (1.7)	GRINA (1.6)
SLC22A1 (1.2)	ENSG00000226645 (1

ZNF513 (2.0)	POC5 (1.8)
ZNF513 (2.0)	POC5 (1.8)
FUT1 (1.5)	CYB561D1 (1.5)
ENSG00000235545 (1	LCT (1.6)
APOE (1.7)	ENSG00000244861 (1
CARM1 (1.2)	POLK (1.2)
TBKBP1 (1.4)	MAU2 (1.4)
FNDC4 (1.5)	ZRANB3 (1.5)
ABCA6 (1.7)	GSTM5 (1.6)
NFE2L3 (1.8)	FEN1 (1.6)
ENSG00000226645 (1	PBX4 (1.6)
ATP13A1 (1.4)	NUP93 (1.4)
PMFBP1 (1.3)	CYP26A1 (1.2)
SARS (2.0)	PLCG1 (1.8)
NOP58 (2.1)	SNX17 (2.1)
IFT172 (1.3)	MAMSTR (1.3)
ZRANB3 (1.3)	FUT1 (1.3)
ZHX3 (1.6)	ERGIC3 (1.6)
CYP26A1 (1.9)	CBLC (1.7)
SORT1 (1.8)	IGF2R (1.8)
ENSG00000226806 (2	FUT2 (2.1)
GNAI3 (1.8)	AMPD2 (1.8)
TRIB1 (1.5)	ABCA1 (1.4)
GNAI3 (1.9)	MCM6 (1.8)
POLK (1.6)	CYB561D1 (1.4)
PGS1 (1.3)	TIMD4 (1.2)
TXNL4B (1.5)	TM6SF2 (1.4)
POC5 (2.2)	ENSG00000235545 (2
LPIN3 (1.7)	PVRL2 (1.7)
FER1L4 (2.0)	OBP2B (2.0)
KPNB1 (1.5)	NPEPPS (1.4)
FADS2 (1.7)	IGF2R (1.6)
PLEC (2.0)	SARS (1.9)
KANK2 (1.2)	ENSG00000226622 (1
CLPTM1 (1.7)	ABO (1.7)
BUD13 (1.8)	ENSG00000231204 (1
RAB3GAP1 (1.7)	GRINA (1.7)
HNF4A (1.5)	LPAR2 (1.5)
SMARCA4 (2.4)	PPM1G (2.3)
IST1 (2.4)	CLPTM1 (2.0)
LPAL2 (1.8)	SLC22A1 (1.8)
GMIP (1.7)	ABCA6 (1.6)
TRAM2 (1.5)	OBP2B (1.5)
POLK (1.4)	DOCK7 (1.4)
ST3GAL4 (1.8)	TBKBP1 (1.7)
SARS (2.2)	FADS2 (2.1)
ENSG00000228044 (1	SYPL2 (1.5)
SUGP1 (2.1)	DHODH (2.1)
ENSG00000236436 (1	BCAM (1.4)
R3HDM1 (1.4)	SLC22A3 (1.4)

GOT2P1 (1.7)	DHODH (1.5)
GOT2P1 (1.7)	DHODH (1.5)
DOCK6 (2.0)	PVRL2 (1.9)
GNAI3 (2.0)	PVR (1.8)
ABO (1.7)	FUT2 (1.5)
SNX17 (1.7)	C19orf80 (1.5)
TOMM40 (1.7)	DHODH (1.7)
MAFB (1.8)	DHX38 (1.8)
ENSG00000231204 (1	ABCA6 (1.4)
FGF21 (1.6)	POC5 (1.5)
DNAH11 (1.9)	FADS2 (1.8)
PMFBP1 (1.3)	PGS1 (1.3)
NYNRIN (1.3)	ENSG00000182329 (1
ABCA1 (1.7)	CYB561D1 (1.6)
ZNF513 (1.5)	CELSR2 (1.4)
CBLC (1.8)	C17orf57 (1.7)
GOT2P1 (1.8)	POLK (1.8)
PLEC (1.9)	YSK4 (1.7)
ZNF821 (1.2)	PLCG1 (1.1)
GMIP (1.6)	PLEC (1.6)
LPAL2 (1.5)	CILP2 (1.5)
HNF4A (1.1)	YSK4 (1.0)
HAVCR1 (1.7)	LIPG (1.6)
LPAR2 (1.4)	ABCA5 (1.3)
USP24 (1.8)	MYLIP (1.6)
CYB561D1 (1.6)	ATP13A1 (1.6)
SARS (2.1)	ABCA5 (1.9)
HNF1A (1.8)	NPEPPS (1.8)
GSTM4 (2.0)	FNDC4 (1.9)
COL4A3BP (2.1)	ABCA1 (2.0)
LPL (1.4)	COL4A3BP (1.4)
SUGP1 (2.3)	IST1 (2.2)
CELSR2 (1.8)	ATXN1L (1.6)
DOCK7 (1.6)	BCAM (1.6)
LDLR (1.5)	ABCA5 (1.5)
TIMD4 (1.7)	TOMM40 (1.7)
AMIGO1 (1.9)	LCT (1.6)
GPR61 (1.9)	PLG (1.8)
NYNRIN (1.9)	MAFB (1.8)
MYLIP (1.8)	PBX4 (1.7)
GNAI3 (2.1)	TOMM40 (1.9)
SYPL2 (1.5)	TSSK6 (1.3)
IFT172 (1.7)	TXNL4B (1.6)
RAB3GAP1 (1.5)	CYB561D1 (1.3)
LIPG (1.4)	SLC44A2 (1.4)
ENSG00000235545 (1	ENSG00000182329 (1
ENSG00000236267 (1	MAU2 (1.6)
PVR (1.8)	GMIP (1.8)
USP24 (1.8)	PSRC1 (1.7)
PSRC1 (1.5)	MCM6 (1.5)

FER1L4 (1.3)	CEP250 (1.3)
GSTM5 (1.9)	LCT (1.8)
ATP13A1 (2.1)	CARM1 (1.9)
ENSG00000244861 (1	OTX1 (1.6)
SMARCA4 (2.0)	DHX38 (2.0)
CETP (1.8)	NFE2L3 (1.6)
ENSG00000226622 (1	NPEPPS (1.6)
KANK2 (1.7)	MYLIP (1.5)
GPAM (1.8)	YIPF2 (1.8)
GATAD2A (1.9)	GMIP (1.8)
NRBP1 (1.6)	ATP13A1 (1.6)
C19orf52 (1.6)	CEP250 (1.6)
GATAD2A (1.6)	ENSG00000244861 (1
TOMM40 (2.3)	COL4A3BP (2.3)
MAMSTR (1.7)	NOP58 (1.7)
KPNB1 (2.1)	TBKBP1 (1.7)
TRIM54 (1.5)	CARM1 (1.4)
USP24 (1.7)	GOT2P1 (1.6)
FEN1 (2.1)	PPM1G (2.1)
PVRL2 (1.5)	FADS2 (1.5)
HAVCR1 (1.8)	GMIP (1.7)
SMARCA4 (1.7)	OTX1 (1.7)
KANK2 (1.4)	CILP2 (1.2)
ZHX3 (1.5)	CILP2 (1.5)
ATP13A1 (1.7)	DARS (1.7)
AMIGO1 (1.5)	SORT1 (1.4)
FER1L4 (1.8)	FNDC4 (1.6)
CBLC (1.5)	HAVCR1 (1.4)
YIPF2 (1.6)	PVRL2 (1.6)
GDF5 (1.6)	YSK4 (1.5)
SUGP1 (1.8)	DHX38 (1.7)
DNAH11 (1.4)	ZRANB3 (1.3)
GOT2P1 (1.4)	GNAT2 (1.3)
HAVCR1 (1.0)	RAB3GAP1 (1.0)
IGF2R (1.6)	RASIP1 (1.6)
DHX38 (2.3)	FEN1 (2.2)
ZNF513 (2.3)	DARS (2.2)
ENSG00000228044 (1	CEP250 (1.9)
ENSG00000228044 (1	CEP250 (1.9)
ENSG00000228044 (1	CEP250 (1.9)
C19orf52 (1.5)	MAFB (1.3)
IST1 (2.4)	SUGP1 (2.1)
GATAD2A (2.2)	TOP1 (1.8)
ENSG00000226806 (1	OBP2B (1.6)
PPM1G (2.3)	FEN1 (2.2)
CLPTM1 (1.9)	ST3GAL4 (1.8)
SPATC1 (1.3)	IZUMO1 (1.2)
GRINA (1.6)	PARP10 (1.6)
AMPD2 (1.6)	C19orf52 (1.5)
ENSG00000226622 (1	CYP26A1 (1.5)

CBLC (1.6)	DNAH11 (1.6)
CYB561D1 (1.5)	ZNF513 (1.5)
TBKBP1 (1.6)	HAPLN4 (1.5)
TBKBP1 (1.6)	HAPLN4 (1.5)
TBKBP1 (1.6)	HAPLN4 (1.5)
C12orf43 (2.1)	SLC44A2 (2.0)
PLEC (1.9)	TRAM2 (1.9)
MAFB (1.9)	GDF5 (1.9)
SNX17 (2.2)	POLK (1.8)
ERGIC3 (1.6)	ENSG00000226622 (1
ENSG00000226622 (1	CLPTM1 (1.6)
USP24 (1.6)	ENSG00000226645 (1
ENSG00000236267 (1	ABCA5 (1.4)
TRAM2 (1.8)	ENSG00000226806 (1
DNAH11 (1.8)	SUMO1 (1.7)
DHX38 (1.6)	SUGP1 (1.5)
DOCK7 (1.5)	POC5 (1.5)
TIMD4 (1.7)	ENSG00000228044 (1
TRIM54 (1.2)	GNAI3 (1.2)
ENSG00000235545 (1	IZUMO1 (1.5)
ENSG00000235545 (1	IZUMO1 (1.5)
AMPD2 (1.6)	DARS (1.6)
YIPF2 (1.7)	GPAM (1.6)
DHX38 (2.2)	PGS1 (2.0)
AMIGO1 (1.8)	CYB561D1 (1.8)
CILP2 (1.9)	SORT1 (1.8)
IZUMO1 (1.4)	HAVCR1 (1.4)
TM6SF2 (1.9)	C19orf80 (1.9)
ENSG00000226806 (1	ZNF513 (1.5)
ENSG00000236267 (1	APOE (1.2)
PLCG1 (1.7)	KANK2 (1.5)
SORT1 (1.7)	LPA (1.6)
TRIM54 (1.7)	FNDC4 (1.7)
C11orf9 (1.9)	POLK (1.9)
ABCA6 (1.7)	EHBP1 (1.7)
MAP3K4 (1.5)	CYB561D1 (1.3)
PBX4 (1.8)	USP24 (1.8)
FUT2 (1.6)	ABO (1.6)
ZNF821 (1.9)	ENSG00000231204 (1
FEN1 (2.2)	DARS (2.2)
CYB561D1 (2.1)	AMIGO1 (1.9)
SLC22A2 (1.3)	SMARCA4 (1.3)
EHBP1 (1.7)	ENSG00000256731 (1
ENSG00000235545 (1	ENSG00000254235 (1
ABO (1.9)	GNAT2 (1.6)
SLC44A2 (1.7)	SORT1 (1.7)
UBXN4 (2.2)	NRBP1 (2.2)
BCAM (1.6)	HNF4A (1.6)
OTX1 (1.6)	SPATC1 (1.6)
LPAR2 (2.1)	KANK2 (2.1)

CEP250 (1.2)	MAFB (1.2)
ENSG00000226622 (1	ENSG00000236436 (1
YIPF2 (1.5)	HAVCR1 (1.5)
GSTM5 (1.5)	HAVCR1 (1.4)
DOCK7 (1.5)	GNAT2 (1.5)
ZNF821 (2.1)	ZHX3 (2.1)
ABCA5 (1.7)	MAU2 (1.7)
ST3GAL4 (1.9)	ENSG00000226806 (1
HNF4A (1.8)	NPEPPS (1.7)
ENSG00000235545 (1	SORT1 (1.8)
PLEC (1.8)	GNAI3 (1.7)
BUD13 (2.0)	NUP93 (2.0)
ENSG00000236267 (1	GNAT2 (1.7)
MAMSTR (1.4)	SLC22A1 (1.4)
BCAM (1.3)	LIPC (1.3)
POLK (1.1)	ABO (1.1)
SUGP1 (2.1)	MAU2 (2.0)
RASIP1 (1.5)	ENSG00000256731 (1
BUD13 (1.7)	C17orf57 (1.7)
APOC1 (1.6)	NYNRIN (1.6)
DOCK6 (1.6)	COL4A3BP (1.5)
ABCG5 (2.1)	IST1 (1.6)
PBX4 (1.6)	TSSK6 (1.5)
ZNF513 (1.5)	C17orf57 (1.5)
ENSG00000244861 (1	UBXN4 (1.7)
GOT2P1 (2.1)	SUGP1 (2.1)
FADS2 (1.5)	LIPG (1.4)
TXNL4B (1.6)	DOCK7 (1.5)
GMIP (1.6)	SPATC1 (1.5)
BUD13 (1.7)	IST1 (1.5)
ENSG00000226648 (1	MYLIP (1.6)
LPAL2 (2.3)	CYP26A1 (2.1)
NYNRIN (1.8)	PVRL2 (1.8)
MAMSTR (1.6)	ENSG00000228044 (1
COL4A3BP (1.9)	KANK2 (1.8)
DOCK6 (1.8)	FADS2 (1.7)
YSK4 (1.5)	ENSG00000182329 (1
HNF1A (1.3)	DHX38 (1.3)
BMPR2 (1.6)	HNF1A (1.6)
CILP2 (1.6)	PCSK9 (1.5)
C19orf52 (2.2)	NUP93 (2.1)
AMIGO1 (1.7)	KRTCAP3 (1.6)
YIPF2 (2.0)	AMIGO1 (1.8)
NRBP1 (1.7)	DHODH (1.6)
GOT2P1 (1.4)	EHBP1 (1.4)
ENSG00000228044 (1	IZUMO1 (1.6)
ENSG00000231204 (1	NRBP1 (1.5)
ATXN1L (1.6)	NYNRIN (1.4)
ST3GAL4 (1.7)	UBXN4 (1.6)
ST3GAL4 (1.7)	UBXN4 (1.6)

DOCK6 (1.7)	IGF2R (1.7)
NPEPPS (1.8)	DHX38 (1.7)
TOMM40 (1.8)	SARS (1.6)
ABCA6 (1.8)	SORT1 (1.8)
FNDC4 (1.6)	MYLIP (1.6)
LIPG (2.0)	PLEC (1.8)
GOT2P1 (1.8)	ZHX3 (1.7)
FNDC4 (1.7)	ENSG00000226622 (1
C17orf57 (1.6)	ENSG00000244861 (1
UBXN4 (1.8)	SUMO1 (1.7)
PARP10 (1.4)	CEP250 (1.4)
GSTM5 (1.3)	GPR61 (1.3)
LPIN3 (1.7)	MAP3K4 (1.7)
IZUMO1 (1.4)	AMPD2 (1.4)
C12orf43 (1.8)	ENSG00000236267 (1
USP1 (2.4)	PPM1G (2.3)
AMIGO1 (1.9)	TBKBP1 (1.9)
SPATC1 (1.3)	CBLC (1.3)
KANK2 (1.7)	ENSG00000226622 (1
TOMM40 (2.1)	SLC22A2 (2.1)
COL4A3BP (1.5)	PBX4 (1.5)
ZRANB3 (1.4)	CBLC (1.4)
CEP250 (1.9)	MAU2 (1.8)
GPR61 (1.5)	MYLIP (1.3)
PGS1 (1.5)	ENSG00000256731 (1
TM6SF2 (1.9)	ENSG00000228044 (1
R3HDM1 (2.0)	ATXN7L2 (2.0)
ABO (1.8)	CILP2 (1.5)
SYPL2 (1.4)	POC5 (1.2)
SMARCA4 (2.3)	TOMM40 (2.1)
SNX17 (1.6)	NRBP1 (1.6)
HAVCR1 (1.4)	BCAM (1.4)
FADS2 (1.7)	ABCA1 (1.6)
GNAI3 (2.4)	DARS (2.3)
ABCA6 (1.8)	TXNL4B (1.8)
POLK (1.9)	BUD13 (1.7)
ATXN7L2 (1.9)	UBXN4 (1.9)
PMFBP1 (1.7)	ENSG00000231204 (1
EHBP1 (2.3)	ABCA5 (2.2)
ENSG00000244861 (1	FUT1 (1.5)
TOP1 (1.8)	CEP250 (1.7)
GNAI3 (2.8)	NUP93 (2.7)
IZUMO1 (1.5)	C19orf52 (1.4)
IST1 (2.5)	SMARCA4 (2.4)
PVR (1.8)	GNAI3 (1.8)
DHX38 (1.7)	GRINA (1.7)
FUT1 (1.6)	LPAL2 (1.5)
TRIM54 (1.9)	SYPL2 (1.9)
KPNB1 (1.8)	PSRC1 (1.6)
HNF1A (1.4)	ENSG00000231204 (1

GSTM4 (1.6)	PCSK9 (1.6)
PLEC (1.8)	IST1 (1.6)
KPNB1 (1.7)	SUMO1 (1.5)
TBKBP1 (1.4)	APOC1 (1.3)
SPATC1 (2.1)	RASIP1 (2.1)
HAVCR1 (1.2)	SORT1 (1.1)
TSSK6 (1.6)	C11orf9 (1.6)
FUT2 (1.8)	LPL (1.7)
ATXN1L (1.9)	RASIP1 (1.7)
TSSK6 (1.5)	TRAM2 (1.4)
PVR (1.8)	SLC44A2 (1.7)
ENSG00000228044 (1	MAP3K4 (1.4)
BCAM (1.6)	DNAH11 (1.5)
IGF2R (1.4)	PLCG1 (1.4)
USP24 (1.8)	ABO (1.7)
CYP26A1 (2.2)	NYNRIN (1.9)
NFE2L3 (1.7)	FGF21 (1.6)
BMPR2 (1.8)	SORT1 (1.6)
APOC3 (1.7)	ENSG00000231204 (1
C17orf57 (1.9)	LIPG (1.8)
AMIGO1 (2.2)	CBLC (1.9)
SMARCA4 (2.2)	DARS (2.2)
YIPF2 (1.4)	IST1 (1.4)
CARM1 (2.3)	NPEPPS (2.1)
PBX4 (1.7)	ATXN1L (1.6)
ABO (1.6)	NPEPPS (1.6)
SLC22A3 (1.7)	ABCA1 (1.7)
SUMO1 (1.4)	PGS1 (1.4)
SMARCA4 (1.5)	POC5 (1.5)
HAVCR1 (1.5)	PBX4 (1.4)
LCT (1.4)	ABCA6 (1.2)
NOP58 (2.3)	USP24 (2.2)
GOT2P1 (1.6)	OTX1 (1.4)
IST1 (1.6)	ABCA5 (1.6)
BCAM (1.8)	TRIM54 (1.7)
ENSG00000226622 (1	COL4A3BP (1.4)
DOCK7 (1.6)	PSMA5 (1.6)
CEP250 (1.7)	BUD13 (1.6)
ENSG00000228044 (1	BUD13 (1.5)
CILP2 (1.8)	LIPC (1.7)
GPR61 (1.6)	DNAH11 (1.5)
TOMM40 (1.6)	LIPG (1.5)
ABO (1.5)	TRAM2 (1.5)
ENSG00000254235 (1	ABCA1 (1.1)
ENSG00000256731 (1	LCT (1.6)
FUT2 (1.7)	PCSK9 (1.6)
GOT2P1 (1.6)	C19orf80 (1.5)
SLC22A3 (1.4)	C17orf57 (1.4)
USP1 (2.6)	MAP3K4 (2.4)
MAP3K4 (1.5)	ZNF259 (1.5)

CETP (1.4)	SUMO1 (1.4)
NPEPPS (1.8)	ZHX3 (1.6)
BCAM (1.4)	ERGIC3 (1.3)
BCAM (1.4)	ERGIC3 (1.3)
C12orf43 (1.7)	EHBP1 (1.6)
GATAD2A (1.8)	NOP58 (1.8)
ENSG00000226806 (1	EHBP1 (1.4)
PARP10 (1.6)	SLC22A3 (1.4)
YSK4 (1.9)	ABO (1.8)
LPL (1.6)	KANK2 (1.5)
ABCA1 (1.3)	NCAN (1.3)
BUD13 (2.0)	PMFBP1 (1.8)
BUD13 (2.0)	PMFBP1 (1.8)
BUD13 (2.0)	PMFBP1 (1.8)
ZHX3 (1.5)	PLEC (1.4)
CELSR2 (1.7)	DOCK7 (1.7)
ABCA1 (1.6)	EHBP1 (1.6)
DOCK6 (2.4)	HAPLN4 (2.0)
EHBP1 (1.9)	ENSG00000256731 (1
PLCG1 (1.9)	HAVCR1 (1.4)
CLPTM1 (1.8)	GSTM5 (1.7)
FER1L4 (1.9)	PSRC1 (1.9)
GSTM4 (1.3)	CETP (1.2)
RP1 (1.5)	FGF21 (1.4)
ABCA5 (1.9)	ATP13A1 (1.9)
ATXN7L2 (1.6)	ABCA6 (1.4)
PVRL2 (1.6)	GATAD2A (1.6)
PBX4 (1.5)	POLK (1.5)
SLC44A2 (1.6)	CYB561D1 (1.6)
POLK (1.4)	PBX4 (1.4)
GNAI3 (1.5)	FER1L4 (1.5)
SUMO1 (1.5)	HAVCR1 (1.5)
FUT1 (1.3)	ENSG00000228044 (1
GSTM5 (1.6)	ENSG00000236436 (1
SORT1 (1.5)	SLC44A2 (1.4)
SLC22A1 (1.5)	TXNL4B (1.5)
LPAR2 (1.7)	GRINA (1.7)
ENSG00000235545 (1	ZNF513 (1.4)
PLEC (1.2)	PLCG1 (1.2)
TXNL4B (1.5)	LPAL2 (1.3)
IGF2R (1.7)	LPIN3 (1.6)
SLC44A2 (1.5)	MAP3K4 (1.5)
SNX17 (1.7)	ST3GAL4 (1.6)
ATXN1L (1.9)	MAP3K4 (1.8)
SLC44A2 (2.0)	DOCK6 (1.9)
NUP93 (2.1)	TRIB1 (2.0)
USP24 (1.7)	PPM1G (1.7)
USP24 (1.7)	PPM1G (1.7)
LIPG (1.6)	ABCA5 (1.5)
ENSG00000235545 (1	KPNB1 (1.6)

ENSG00000235545 (1	KPNB1 (1.6)
ATXN1L (2.0)	ZNF259 (1.9)
LPAL2 (1.4)	ABCA6 (1.4)
LPAL2 (1.4)	ABCA6 (1.4)
POLK (1.4)	ABO (1.3)
ENSG00000244861 (1	AMPD2 (1.8)
USP1 (2.1)	FUT2 (1.9)
GNAT2 (1.2)	CYB561D1 (1.2)
GNAT2 (1.2)	CYB561D1 (1.2)
GDF5 (1.8)	GNAT2 (1.8)
LIPG (1.2)	KANK2 (1.1)
TRIM54 (1.7)	CARM1 (1.6)
SUMO1 (1.8)	MAP3K4 (1.7)
AMPD2 (2.3)	HMGCR (2.3)
TM6SF2 (2.0)	PMFBP1 (1.9)
NFE2L3 (1.6)	RASIP1 (1.5)
PLCG1 (1.3)	IZUMO1 (1.3)
SARS (1.9)	ENSG00000236267 (1
TRIB1 (1.7)	LDLR (1.6)
UBXN4 (1.9)	SUGP1 (1.9)
APOE (1.9)	APOC4 (1.9)
BMPR2 (1.5)	FUT1 (1.5)
AMIGO1 (1.8)	ZNF513 (1.7)
AMIGO1 (1.8)	ZNF513 (1.7)
HP (1.6)	APOA4 (1.5)
SYPL2 (1.4)	HNF4A (1.4)
ENSG00000226806 (1	LCT (1.6)
CYB561D1 (1.5)	PBX4 (1.4)
ZRANB3 (1.7)	SUMO1 (1.7)
C19orf80 (1.8)	YSK4 (1.7)
ZNF821 (1.7)	ENSG00000226645 (1
LPL (1.8)	BCAM (1.7)
GDF5 (1.3)	GNAT2 (1.2)
ZNF513 (1.3)	FER1L4 (1.3)
MAMSTR (1.3)	LPL (1.3)
SLC44A2 (1.6)	GDF5 (1.6)
SLC22A1 (1.4)	GNAT2 (1.4)
SUMO1 (2.2)	ATP13A1 (2.1)
SMARCA4 (2.0)	PPM1G (1.9)
ENSG00000236436 (1	GOT2P1 (1.6)
ENSG00000256731 (1	ENSG00000226622 (1
DHX38 (2.5)	DARS (2.3)
IZUMO1 (1.5)	NFE2L3 (1.4)
MAMSTR (1.7)	NRBP1 (1.6)
GATAD2A (1.8)	SYPL2 (1.7)
PPM1G (1.6)	KPNB1 (1.6)
USP24 (1.9)	CYB561D1 (1.7)
HAVCR1 (1.8)	ABO (1.7)
OASL (1.5)	NFE2L3 (1.4)
ATXN1L (1.6)	DNAH11 (1.6)

SYPL2 (1.3)	TRIM54 (1.2)
MAMSTR (1.6)	GRINA (1.5)
ERGIC3 (1.5)	BUD13 (1.3)
MYLIP (1.8)	GRINA (1.8)
SYPL2 (1.7)	KANK2 (1.6)
DOCK7 (1.5)	LIPG (1.5)
ENSG00000231204 (1	CYP26A1 (1.5)
HAPLN4 (1.3)	ATXN7L2 (1.3)
PVRL2 (1.8)	ERGIC3 (1.7)
ABCA6 (1.6)	BCAM (1.5)
OTX1 (1.4)	TRAM2 (1.3)
BCAM (1.7)	GDF5 (1.7)
C11orf9 (2.0)	PVR (1.9)
POC5 (1.7)	GRINA (1.6)
BUD13 (1.9)	C19orf52 (1.7)
ABO (1.4)	CYB561D1 (1.4)
POC5 (2.1)	DHODH (1.9)
CEP250 (1.6)	AMIGO1 (1.5)
ENSG00000236436 (1	HAPLN4 (1.2)
CILP2 (1.5)	ENSG00000236436 (1
HNF4A (1.9)	TBKBP1 (1.6)
PVRL2 (1.1)	CYB561D1 (1.1)
AMPD2 (1.7)	CILP2 (1.5)
KPNB1 (1.5)	KRTCAP3 (1.4)
CYB561D1 (1.3)	ABCA6 (1.2)
NFE2L3 (1.3)	ENSG00000226622 (1
DHX38 (1.9)	NPEPPS (1.8)
TXNL4B (2.0)	GMIP (1.9)
DHX38 (2.1)	ENSG00000244861 (2
LPIN3 (1.8)	NRBP1 (1.7)
NPEPPS (1.6)	SARS (1.6)
EHBP1 (2.1)	TRIB1 (2.1)
RAB3GAP1 (1.5)	PVR (1.5)
LPAR2 (1.7)	ZHX3 (1.6)
C19orf52 (1.5)	MYLIP (1.5)
PVR (1.6)	ERGIC3 (1.5)
SARS (1.4)	PSMA5 (1.4)
SORT1 (1.5)	TRAM2 (1.4)
APOC4 (1.5)	ENSG00000236436 (1
SNX17 (1.8)	MAMSTR (1.6)
DARS (2.3)	PPM1G (2.1)
DHX38 (1.8)	ATXN1L (1.7)
GRINA (1.6)	ATXN7L2 (1.4)
PVRL2 (2.0)	BCAM (1.9)
C12orf43 (1.8)	TXNL4B (1.7)
LPIN3 (1.9)	ABCA6 (1.8)
GATAD2A (1.6)	TOP1 (1.5)
USP1 (2.2)	SUMO1 (2.1)
CETP (1.2)	PARP10 (1.2)
BMPR2 (1.6)	MYLIP (1.4)

FGF21 (1.7)	CBLC (1.7)
KPNB1 (1.7)	ENSG00000228044 (1
APOE (1.7)	NCAN (1.7)
YIPF2 (1.6)	MAFB (1.5)
PSRC1 (1.8)	PPM1G (1.7)
USP24 (1.7)	CYB561D1 (1.6)
CETP (1.5)	TBKBP1 (1.5)
CELSR2 (2.2)	BMPR2 (2.2)
LPAL2 (1.6)	C11orf9 (1.6)
DOCK7 (1.8)	DARS (1.6)
FUT2 (1.6)	ENSG00000236267 (1
LPIN3 (1.4)	SLC44A2 (1.4)
GNAI3 (2.3)	IST1 (2.3)
SARS (1.9)	CLPTM1 (1.9)
MAP3K4 (2.2)	KANK2 (2.1)
PLCG1 (1.6)	GPR61 (1.4)
MAP3K4 (1.5)	GOT2P1 (1.4)
EHBP1 (1.8)	HAVCR1 (1.7)
GDF5 (1.8)	ABO (1.7)
APOB (1.6)	EHBP1 (1.5)
TOP1 (1.9)	RELB (1.9)
GNAI3 (2.4)	IST1 (2.2)
ENSG00000244861 (1	DOCK7 (1.6)
C11orf9 (2.1)	C17orf57 (2.0)
IZUMO1 (1.4)	ZNF513 (1.4)
HNF1A (1.6)	NPEPPS (1.5)
YIPF2 (1.8)	CYP26A1 (1.6)
PPM1G (2.4)	NOP58 (2.3)
GOT2P1 (1.6)	NFE2L3 (1.4)
TIMD4 (1.2)	NCAN (1.1)
ENSG00000236436 (1	PMFBP1 (1.6)
C19orf52 (1.2)	ENSG00000182329 (1
C19orf52 (1.2)	ENSG00000182329 (1
TRAM2 (2.1)	GSTM5 (2.1)
LPIN3 (1.7)	ABO (1.6)
LPIN3 (1.7)	ABO (1.6)
ENSG00000254235 (1	BMPR2 (1.2)
IZUMO1 (1.4)	CELSR2 (1.3)
POLK (1.7)	LIPG (1.6)
ABO (1.8)	YSK4 (1.7)
ENSG00000254235 (1	BCAM (1.5)
ENSG00000226648 (2	C19orf52 (2.0)
GMIP (1.6)	IZUMO1 (1.6)
C12orf43 (1.8)	HAPLN4 (1.6)
LPL (1.7)	PSRC1 (1.6)
AMIGO1 (1.7)	PBX4 (1.6)
BCAM (1.2)	PLCG1 (1.2)
PSRC1 (1.6)	R3HDM1 (1.6)
C11orf9 (1.9)	GCKR (1.8)
TBKBP1 (1.5)	ZNF513 (1.5)

LPAR2 (1.7)	TSSK6 (1.7)
FGF21 (1.6)	SLC22A3 (1.6)
FGF21 (1.6)	SLC22A3 (1.6)
SPATC1 (1.4)	TBKBP1 (1.4)
NRBP1 (1.9)	PLEC (1.9)
C19orf80 (1.4)	DNAH11 (1.4)
NUP93 (1.6)	NRBP1 (1.6)
ABCA1 (1.5)	SLC22A3 (1.3)
AMPD2 (1.9)	BUD13 (1.7)
MAU2 (1.7)	SARS (1.6)
ABCA5 (1.6)	ABCA1 (1.6)
ENSG00000228044 (1	GOT2P1 (1.5)
GRINA (1.6)	C19orf80 (1.6)
ZNF513 (1.6)	PCSK9 (1.5)
NPEPPS (1.7)	PVRL2 (1.6)
ENSG00000182329 (1	LCT (1.3)
TOP1 (1.5)	KPNB1 (1.5)
LIPG (1.5)	FER1L4 (1.5)
CLPTM1 (1.7)	C17orf57 (1.5)
GSTM4 (1.5)	ENSG00000236436 (1
TSSK6 (1.4)	GATAD2A (1.2)
BMPR2 (1.5)	TOP1 (1.5)
NCAN (1.3)	SUMO1 (1.2)
BUD13 (2.1)	SUGP1 (2.1)
C11orf9 (1.9)	HAPLN4 (1.6)
BCAM (2.0)	FNDC4 (2.0)
MYLIP (1.6)	ATXN1L (1.6)
TOP1 (1.8)	SUMO1 (1.8)
ENSG00000182329 (1	C19orf52 (1.2)
POLK (1.3)	ENSG00000236267 (1
OTX1 (1.6)	KPNB1 (1.5)
POLK (1.6)	CARM1 (1.5)
LDLR (1.6)	HNF1A (1.4)
TXNL4B (1.7)	SLC22A1 (1.7)
LIPG (1.5)	BCAM (1.5)
LIPG (1.3)	CBLC (1.3)
SLC22A1 (1.2)	SUMO1 (1.2)
CELSR2 (2.0)	DOCK6 (1.8)
CILP2 (1.6)	NFE2L3 (1.5)
CLPTM1 (1.6)	TOMM40 (1.5)
KPNB1 (1.6)	FADS1 (1.5)
EHBP1 (1.6)	ANGPTL3 (1.6)
ZNF513 (1.8)	ENSG00000256731 (1
POLK (1.2)	ENSG00000231204 (1
PLEC (1.7)	MAU2 (1.6)
R3HDM1 (1.9)	FNDC4 (1.9)
KRTCAP3 (1.6)	ENSG00000226648 (1
GNAT2 (1.5)	DNAH11 (1.5)
ENSG00000226648 (1	GSTM5 (1.6)
CELSR2 (1.6)	CYB561D1 (1.5)

RASIP1 (1.7)	PVR (1.6)
KRTCAP3 (1.2)	SPATC1 (1.2)
KPNB1 (1.7)	BUD13 (1.6)
TBKBP1 (1.8)	POLK (1.7)
CELSR2 (2.1)	CLPTM1 (1.9)
USP1 (1.8)	PPM1G (1.7)
TXNL4B (2.2)	PPM1G (2.2)
PGS1 (1.6)	C17orf57 (1.5)
DARS (1.6)	PSRC1 (1.5)
LIPG (1.8)	BMPR2 (1.8)
C17orf57 (1.5)	PLCG1 (1.4)
TOMM40 (1.3)	DHODH (1.3)
SUMO1 (1.8)	PLEC (1.6)
NYNRIN (1.6)	ATXN7L2 (1.5)
PPM1G (1.6)	KPNB1 (1.6)
SLC44A2 (1.7)	TBKBP1 (1.4)
DOCK7 (1.8)	GNAI3 (1.8)
ENSG00000226806 (1	IZUMO1 (1.8)
ENSG00000226806 (1	NYNRIN (1.5)
OTX1 (1.6)	DOCK6 (1.5)
HAPLN4 (1.6)	LCT (1.4)
PLCG1 (2.0)	ENSG00000231204 (1
SORT1 (1.5)	SLC22A3 (1.5)
PSMA5 (1.3)	MAP3K4 (1.3)
GNAI3 (1.8)	SMARCA4 (1.7)
POLK (1.6)	POC5 (1.5)
KRTCAP3 (1.4)	CBLC (1.4)
ENSG00000182329 (1	TBKBP1 (1.7)
MAFB (1.7)	ENSG00000254235 (1
ZNF513 (1.3)	SPATC1 (1.2)
MAMSTR (1.6)	GDF5 (1.6)
NFE2L3 (1.9)	ABCA6 (1.9)
OTX1 (1.7)	ENSG00000236436 (1
BUD13 (1.6)	CEP250 (1.5)
DHX38 (1.9)	ENSG00000226806 (1
FER1L4 (1.4)	HAVCR1 (1.4)
AMIGO1 (1.6)	FGF21 (1.6)
ENSG00000226648 (1	SLC22A1 (1.5)
KPNB1 (2.5)	DHX38 (2.4)
SMARCA4 (1.8)	CELSR2 (1.7)
ABCG8 (1.9)	SUMO1 (1.9)
SMARCA4 (2.3)	MAP3K4 (2.1)
KPNB1 (1.7)	RP1 (1.6)
PLCG1 (1.5)	ENSG00000254235 (1
MYLIP (1.6)	ENSG00000226648 (1
UBXN4 (2.1)	PSMA5 (1.8)
ABCG8 (1.7)	FUT2 (1.5)
ZHX3 (1.6)	YIPF2 (1.5)
OBP2B (1.5)	DNAH11 (1.5)
DARS (2.2)	DHX38 (2.1)

NUP93 (1.3)	GMIP (1.3)
C19orf52 (1.4)	ENSG00000226806 (1
KPNB1 (1.6)	AMIGO1 (1.6)
TRAM2 (1.7)	FNDC4 (1.6)
LPAR2 (1.9)	USP1 (1.7)
BMPR2 (1.5)	SNX17 (1.5)
COL4A3BP (1.4)	SMARCA4 (1.3)
GSTM4 (1.4)	APOC4 (1.4)
GSTM4 (1.4)	APOC4 (1.4)
LPIN3 (1.8)	PSRC1 (1.7)
ENSG00000236267 (1	GPR61 (1.8)
ENSG00000236267 (1	GPR61 (1.8)
DOCK7 (2.1)	ATXN1L (2.0)
HNF4A (2.0)	CEP250 (1.9)
ANGPTL3 (1.9)	SPATC1 (1.9)
ENSG00000226622 (1	CLPTM1 (1.7)
ENSG00000236267 (1	ABCA5 (1.4)
NOP58 (1.5)	PPM1G (1.4)
C19orf52 (1.6)	ABO (1.6)
SLC44A2 (2.1)	GOT2P1 (1.8)
HNF1A (1.8)	GATAD2A (1.8)
ENSG00000235545 (1	POC5 (1.4)
MAFB (1.7)	OTX1 (1.6)
GSTM5 (1.4)	C11orf9 (1.3)
ENSG00000244861 (1	PLEC (1.6)
SNX17 (1.7)	ATXN1L (1.6)
FUT2 (1.6)	IGF2R (1.5)
OBP2B (1.2)	ERGIC3 (1.1)
IZUMO1 (1.6)	FUT2 (1.6)
CLPTM1 (1.6)	BMPR2 (1.5)
SLC22A1 (1.4)	OASL (1.3)
ABCA5 (1.7)	CETP (1.6)
AMIGO1 (1.8)	ABCA5 (1.7)
GATAD2A (1.8)	ATXN1L (1.8)
GSTM5 (1.9)	PBX4 (1.8)
NYNRIN (1.5)	MYLIP (1.4)
NRBP1 (1.5)	SNX17 (1.4)
ABO (1.5)	TOP1 (1.4)
GNAI3 (2.3)	PPM1G (2.3)
POC5 (1.8)	IST1 (1.8)
EHBP1 (1.7)	NPEPPS (1.6)
TIMD4 (1.8)	PLEC (1.7)
SUGP1 (2.4)	GATAD2A (2.3)
FGF21 (1.7)	ST3GAL4 (1.6)
R3HDM1 (1.7)	CEP250 (1.6)
USP24 (1.9)	DARS (1.9)
ENSG00000236267 (1	PVR (1.3)
PMFBP1 (1.6)	AMIGO1 (1.5)
SPATC1 (1.8)	OBP2B (1.6)
ZNF821 (1.7)	DHX38 (1.6)

NOP58 (1.6)	TXNL4B (1.5)
OASL (1.4)	NFE2L3 (1.4)
HP (1.9)	ANGPTL3 (1.9)
LCT (1.7)	TRIM54 (1.7)
SARS (2.0)	SUGP1 (2.0)
APOC4 (2.1)	ANGPTL3 (2.1)
OASL (1.5)	ATXN7L2 (1.4)
ABCG8 (1.4)	PMFBP1 (1.4)
CBLC (1.6)	CYP26A1 (1.4)
TOMM40 (1.7)	ATXN7L2 (1.7)
COL4A3BP (1.7)	RAB3GAP1 (1.7)
COL4A3BP (1.4)	KANK2 (1.4)
TBKBP1 (0.9)	ZNF513 (0.8)
LPAR2 (1.4)	IZUMO1 (1.3)
IST1 (1.6)	ENSG00000182329 (1
GPAM (1.7)	TRAM2 (1.6)
TSSK6 (1.9)	FNDC4 (1.7)
YIPF2 (1.9)	ATP13A1 (1.7)
NYNRIN (1.5)	MAP3K4 (1.3)
FUT1 (2.0)	SORT1 (1.8)
ERGIC3 (1.3)	GNAI3 (1.2)
PSRC1 (1.4)	CILP2 (1.3)
PSRC1 (1.4)	CILP2 (1.3)
FUT1 (1.5)	CILP2 (1.4)
ABO (1.6)	CARM1 (1.6)
MAP3K4 (1.9)	PPM1G (1.8)
HAPLN4 (1.9)	ENSG00000256731 (1
ENSG00000235545 (1	ENSG00000226806 (1
IST1 (2.0)	GNAI3 (2.0)
HNF1A (1.8)	ATXN1L (1.3)
KRTCAP3 (1.7)	PVRL2 (1.6)
OBP2B (1.4)	ABCG8 (1.4)
NOP58 (2.1)	CEP250 (2.1)
SORT1 (1.9)	NPEPPS (1.7)
FNDC4 (1.7)	OASL (1.5)
TBKBP1 (1.9)	POLK (1.5)
ABO (1.8)	DOCK7 (1.8)
TBKBP1 (1.7)	LPIN3 (1.6)
ENSG00000235545 (1	DARS (1.5)
SYPL2 (1.6)	C12orf43 (1.6)
SARS (1.9)	ATP13A1 (1.8)
ENSG00000254235 (1	IZUMO1 (1.3)
ZHX3 (1.5)	ENSG00000226806 (1
ENSG00000226622 (1	LPIN3 (1.9)
ERGIC3 (1.6)	PVR (1.5)
CARM1 (1.6)	SNX17 (1.5)
MAMSTR (1.2)	LPAR2 (1.2)
SLC22A1 (1.3)	FER1L4 (1.3)
DNAH11 (1.3)	POLK (1.2)
FER1L4 (1.5)	IZUMO1 (1.4)

BMPR2 (1.7)	PMFBP1 (1.6)
TBKBP1 (1.4)	KANK2 (1.4)
TRAM2 (1.4)	TXNL4B (1.3)
PLCG1 (1.5)	NYNRIN (1.4)
IGF2R (1.7)	BUD13 (1.6)
ENSG00000226648 (1	PMFBP1 (1.6)
CARM1 (1.6)	GATAD2A (1.6)
FNDC4 (1.8)	TXNL4B (1.7)
LPIN3 (1.7)	TRAM2 (1.7)
PSMA5 (1.7)	PPM1G (1.6)
LCT (2.2)	TM6SF2 (2.2)
PSMA5 (1.8)	DARS (1.7)
PSMA5 (1.8)	DARS (1.7)
GSTM5 (1.1)	KANK2 (1.1)
DOCK6 (1.7)	KRTCAP3 (1.7)
LIPG (1.4)	LPAR2 (1.3)
HAVCR1 (1.6)	NFE2L3 (1.6)
SARS (1.8)	BMPR2 (1.8)
ABCA1 (1.4)	GRINA (1.4)
ABCA5 (1.7)	PLEC (1.5)
RASIP1 (1.5)	ERGIC3 (1.4)
TIMD4 (1.8)	PCSK9 (1.5)
C19orf80 (1.2)	ATXN7L2 (1.2)
C19orf80 (1.2)	ATXN7L2 (1.2)
TOMM40 (1.4)	DOCK7 (1.4)
FGF21 (1.7)	GOT2P1 (1.6)
NFE2L3 (1.6)	SMARCA4 (1.6)
GATAD2A (1.5)	DHX38 (1.3)
PARP10 (1.8)	SUGP1 (1.8)
BUD13 (2.0)	NOP58 (1.9)
UBXN4 (2.5)	IST1 (2.2)
NRBP1 (1.8)	CBLC (1.6)
CBLC (1.8)	SNX17 (1.6)
GMIP (1.9)	ABCG5 (1.9)
MAU2 (1.7)	NPEPPS (1.6)
LCT (1.8)	SLC22A3 (1.8)
NYNRIN (1.6)	PLCG1 (1.6)
ENSG00000226622 (1	CBLC (1.3)
TBKBP1 (1.6)	GDF5 (1.3)
CEP250 (1.4)	C11orf9 (1.4)
FGF21 (1.8)	GDF5 (1.7)
GRINA (1.5)	GATAD2A (1.4)
DHODH (1.6)	C19orf52 (1.6)
ABO (1.4)	HAPLN4 (1.4)
MAU2 (1.7)	ZNF513 (1.6)
NPEPPS (1.6)	KPNB1 (1.5)
ZRANB3 (1.4)	CBLC (1.3)
APOE (1.4)	GDF5 (1.4)
NUP93 (1.6)	KRTCAP3 (1.5)
ATXN7L2 (1.5)	BUD13 (1.5)

PCSK9 (1.7)	LCT (1.6)
GMIP (1.3)	CYB561D1 (1.2)
SMARCA4 (2.0)	COL4A3BP (2.0)
PMFBP1 (2.0)	ENSG00000235545 (1
AMPD2 (1.6)	SUGP1 (1.6)
OBP2B (1.4)	C17orf57 (1.3)
CELSR2 (1.8)	ENSG00000226806 (1
MYLIP (1.4)	CYP26A1 (1.4)
CELSR2 (2.0)	PLEC (2.0)
SMARCA4 (2.1)	SUGP1 (2.0)
CBLC (1.5)	DNAH11 (1.4)
LDLR (1.7)	ENSG00000226648 (1
DHX38 (2.0)	ATXN7L2 (1.9)
C19orf52 (1.5)	CYP26A1 (1.5)
ZNF513 (1.4)	C11orf9 (1.4)
NFE2L3 (1.5)	GNAI3 (1.4)
HAPLN4 (1.4)	PBX4 (1.4)
PGS1 (1.5)	TSSK6 (1.4)
CYB561D1 (1.8)	RELB (1.7)
LPAR2 (1.4)	SLC22A3 (1.4)
CARM1 (1.9)	LPAR2 (1.7)
ENSG00000228044 (1	LPL (1.5)
CLPTM1 (2.0)	ABCA5 (2.0)
ZNF821 (1.4)	HAPLN4 (1.3)
HNF4A (1.7)	HNF1A (1.7)
AMPD2 (1.9)	FUT1 (1.9)
RAB3GAP1 (1.6)	ENSG00000236436 (1
IGF2R (1.6)	GMIP (1.5)
CARM1 (1.4)	FNDC4 (1.3)
LPL (1.8)	BMPR2 (1.8)
CYB561D1 (1.5)	FUT2 (1.3)
ENSG00000244861 (1	PCSK9 (1.4)
ENSG00000244861 (1	PCSK9 (1.4)
ENSG00000244861 (1	PCSK9 (1.4)
ZRANB3 (1.5)	ABCA1 (1.3)
ATXN1L (1.4)	POLK (1.4)
OASL (1.7)	ENSG00000226645 (1
OASL (1.7)	ENSG00000226645 (1
OASL (1.7)	ENSG00000226645 (1
AMIGO1 (1.5)	LPIN3 (1.5)
LPAR2 (2.0)	GCKR (1.9)
SLC44A2 (1.7)	SLC22A3 (1.7)
ENSG00000236436 (1	IGF2R (1.5)
USP24 (2.1)	ATXN1L (2.0)
USP1 (1.6)	IFT172 (1.5)
LPL (1.5)	ZNF821 (1.4)
FER1L4 (1.6)	ENSG00000256731 (1
ENSG00000226648 (1	ENSG00000231204 (1
RP1 (1.6)	SORT1 (1.5)
DHODH (1.4)	SLC22A2 (1.4)

MYLIP (1.8)	SNX17 (1.6)
IZUMO1 (1.5)	SORT1 (1.4)
POLK (1.8)	IZUMO1 (1.6)
ABCA1 (1.7)	TRIB1 (1.5)
LPAR2 (1.6)	HAPLN4 (1.5)
SARS (1.6)	MAU2 (1.5)
GRINA (1.6)	BCAM (1.6)
GSTM4 (1.8)	TRAM2 (1.6)
NUP93 (2.3)	KPNB1 (2.3)
RASIP1 (2.0)	DOCK7 (1.9)
C19orf52 (1.3)	OASL (1.3)
IZUMO1 (1.5)	ZNF259 (1.4)
PBX4 (1.3)	ENSG00000182329 (1
MYLIP (1.9)	GNAI3 (1.9)
CARM1 (1.6)	NPEPPS (1.6)
BUD13 (1.7)	NUP93 (1.6)
PCSK9 (1.3)	C19orf52 (1.3)
ZHX3 (1.6)	CYB561D1 (1.5)
COL4A3BP (1.7)	LPIN3 (1.6)
COL4A3BP (1.7)	LPIN3 (1.6)
OBP2B (1.4)	ENSG00000254235 (1
LPL (1.8)	LPAL2 (1.7)
MAU2 (1.7)	GPAM (1.7)
CBLC (1.8)	CLPTM1 (1.7)
SLC22A3 (1.8)	PCSK9 (1.6)
NFE2L3 (1.8)	TRIB1 (1.7)
FER1L4 (1.6)	SMARCA4 (1.5)
DARS (1.7)	NOP58 (1.6)
TXNL4B (2.1)	PPM1G (2.0)
R3HDM1 (1.5)	FUT1 (1.3)
SNX17 (1.7)	FNDC4 (1.6)
LPIN3 (1.7)	GSTM4 (1.5)
LPAR2 (1.6)	LPAL2 (1.6)
ATXN1L (2.1)	GNAI3 (1.9)
C19orf52 (1.7)	ABCG5 (1.7)
TRAM2 (1.8)	PSRC1 (1.5)
USP1 (1.8)	AMIGO1 (1.7)
SLC22A2 (1.8)	ENSG00000256731 (1
TOP1 (2.4)	ATP13A1 (2.3)
AMIGO1 (1.7)	SORT1 (1.6)
ATXN1L (2.0)	PPM1G (1.9)
GDF5 (1.6)	PLCG1 (1.6)
MAFB (1.6)	DNAH11 (1.6)
TOMM40 (1.7)	NUP93 (1.6)
ENSG00000231204 (1	APOA4 (1.7)
TBKBP1 (1.6)	GSTM5 (1.6)
CEP250 (1.6)	FADS1 (1.6)
SLC22A1 (1.6)	DARS (1.6)
PPM1G (1.9)	USP1 (1.7)
PPM1G (1.9)	USP1 (1.7)

SLC44A2 (1.6)	PLEC (1.5)
NYNRIN (1.6)	EHBP1 (1.6)
GOT2P1 (1.6)	PPM1G (1.5)
GOT2P1 (1.6)	PPM1G (1.5)
ENSG00000226806 (1	GNAT2 (1.4)
ENSG00000231204 (1	YSK4 (1.4)
ABCG8 (1.7)	ZHX3 (1.6)
SYPL2 (1.4)	COL4A3BP (1.3)
TBKBP1 (1.5)	MAU2 (1.5)
SLC22A1 (1.5)	LIPG (1.5)
PGS1 (1.7)	UBXN4 (1.4)
IFT172 (1.7)	DHX38 (1.6)
CBLC (1.8)	NYNRIN (1.8)
ABCG5 (1.9)	RAB3GAP1 (1.6)
POLK (1.7)	IZUMO1 (1.7)
ABCG5 (1.4)	ENSG00000231204 (1
LPAL2 (1.6)	EHBP1 (1.5)
ABCG8 (1.6)	SLC22A1 (1.6)
CYB561D1 (1.3)	GPAM (1.0)
KRTCAP3 (1.4)	MAP3K4 (1.3)
GPAM (1.7)	TRAM2 (1.7)
IGF2R (1.6)	BCAM (1.5)
KRTCAP3 (2.0)	TRIB1 (1.8)
ENSG00000226806 (1	FUT2 (1.8)
ENSG00000228044 (1	RAB3GAP1 (1.7)
ATP13A1 (1.4)	NFE2L3 (1.3)
GRINA (2.0)	IST1 (2.0)
ERGIC3 (1.4)	DNAH11 (1.4)
GNAT2 (1.3)	LPAL2 (1.2)
NFE2L3 (1.7)	PGS1 (1.5)
DARS (1.5)	ENSG00000244861 (1
COL4A3BP (1.9)	EHBP1 (1.8)
OTX1 (1.4)	ENSG00000231204 (1
APOE (1.3)	PVR (1.3)
SARS (1.7)	IGF2R (1.7)
GSTM4 (1.4)	GSTM5 (1.4)
ENSG00000244861 (1	PPM1G (1.6)
FGF21 (1.3)	ZNF513 (1.3)
ST3GAL4 (1.9)	SLC22A1 (1.8)
ATP13A1 (1.9)	ERGIC3 (1.7)
ENSG00000226645 (1	BUD13 (1.8)
GDF5 (1.7)	HAPLN4 (1.6)
BUD13 (1.5)	PBX4 (1.5)
C11orf9 (1.2)	GSTM5 (1.1)
NPEPPS (1.9)	TBKBP1 (1.8)
IST1 (2.6)	USP1 (2.3)
NPEPPS (1.9)	TOP1 (1.8)
NPEPPS (1.9)	TOP1 (1.8)
APOA4 (1.8)	PCSK9 (1.8)
LCT (1.5)	USP24 (1.4)

GNAI3 (1.9)	R3HDM1 (1.9)
ENSG00000235545 (1	ABCA6 (1.6)
AMIGO1 (1.5)	DOCK6 (1.5)
GATAD2A (1.6)	SLC44A2 (1.5)
IZUMO1 (1.3)	OBP2B (1.2)
MAMSTR (1.3)	OTX1 (1.3)
MAU2 (1.8)	BUD13 (1.8)
IFT172 (1.7)	FUT1 (1.6)
PARP10 (1.9)	ENSG00000226806 (1
GPR61 (1.7)	ZNF821 (1.6)
PPM1G (1.6)	NPEPPS (1.6)
ENSG00000226648 (1	ATXN7L2 (1.2)
NUP93 (2.3)	SNX17 (2.3)
C12orf43 (1.5)	SARS (1.5)
HNF1A (1.7)	ENSG00000256731 (1
ABCG5 (1.5)	TM6SF2 (1.5)
IFT172 (1.8)	FUT2 (1.8)
IFT172 (1.8)	FUT2 (1.8)
NOP58 (1.7)	SARS (1.7)
TSSK6 (1.6)	IZUMO1 (1.5)
RELB (1.7)	HAVCR1 (1.6)
ENSG00000226645 (1	BMPR2 (1.5)
IGF2R (1.8)	C17orf57 (1.7)
CLPTM1 (1.7)	SMARCA4 (1.7)
ST3GAL4 (1.6)	KRTCAP3 (1.5)
MAP3K4 (1.6)	CARM1 (1.6)
MAP3K4 (1.7)	DHX38 (1.7)
TXNL4B (1.9)	ENSG00000235545 (1
MAFB (1.7)	TRIB1 (1.6)
AMIGO1 (1.6)	OTX1 (1.5)
ENSG00000226648 (2	ENSG00000182329 (2
PSMA5 (1.5)	ZHX3 (1.3)
ENSG00000235545 (1	HAVCR1 (1.3)
LPAL2 (1.6)	NYNRIN (1.5)
LPIN3 (1.9)	C11orf9 (1.7)
ENSG00000231204 (1	OBP2B (1.7)
ENSG00000256731 (1	C11orf9 (1.2)
SNX17 (1.7)	DHX38 (1.6)
SLC22A1 (1.2)	C17orf57 (1.1)
IST1 (2.0)	DHODH (1.9)
FADS2 (1.5)	GSTM5 (1.5)
ABCA1 (1.4)	DARS (1.3)
GPR61 (1.7)	PMFBP1 (1.7)
MYLIP (1.6)	ENSG00000244861 (1
SLC44A2 (1.5)	LPAR2 (1.5)
ZRANB3 (1.7)	PSMA5 (1.6)
IFT172 (1.7)	GOT2P1 (1.6)
ZNF513 (1.6)	MYLIP (1.5)
LIPC (1.3)	IZUMO1 (1.3)
PSRC1 (1.9)	DOCK7 (1.7)

BMPR2 (1.6)	PVR (1.5)
C11orf9 (1.8)	HNF1A (1.7)
SMARCA4 (1.7)	DOCK6 (1.6)
LPAL2 (1.3)	ABO (1.3)
FNDC4 (1.8)	IFT172 (1.8)
DHODH (1.9)	ENSG00000226648 (1
DHODH (1.9)	ENSG00000226648 (1
DHODH (1.9)	ENSG00000226648 (1
ENSG00000235545 (1	PSRC1 (1.8)
PPM1G (2.1)	ZHX3 (2.0)
CILP2 (1.5)	ABO (1.4)
CILP2 (1.5)	ABO (1.4)
CILP2 (1.5)	ABO (1.4)
OBP2B (1.5)	FGF21 (1.5)
SUGP1 (1.4)	GATAD2A (1.4)
ZNF821 (1.5)	GRINA (1.4)
ENSG00000254235 (1	ABCA6 (1.3)
ENSG00000244861 (1	NYNRIN (1.3)
HAPLN4 (1.4)	OTX1 (1.4)
POLK (1.7)	PLCG1 (1.7)
GATAD2A (1.5)	DNAH11 (1.3)
GATAD2A (1.5)	DNAH11 (1.3)
NYNRIN (1.5)	C12orf43 (1.4)
EHBP1 (1.2)	YSK4 (1.1)
ZNF821 (1.4)	ABCA5 (1.3)
NOP58 (1.6)	SNX17 (1.5)
ST3GAL4 (1.4)	UBXN4 (1.4)
GDF5 (1.4)	TRAM2 (1.3)
SLC22A2 (2.0)	OTX1 (1.9)
MAMSTR (1.6)	KANK2 (1.4)
RAB3GAP1 (1.8)	SLC44A2 (1.8)
SUMO1 (2.0)	PGS1 (2.0)
GDF5 (1.5)	GMIP (1.4)
C12orf43 (1.8)	ZNF821 (1.6)
CELSR2 (2.0)	ZNF513 (1.8)
NFE2L3 (1.2)	SLC22A1 (1.2)
ENSG00000236267 (1	TSSK6 (1.9)
ABCA1 (1.6)	MCM6 (1.5)
AMIGO1 (1.8)	PMFBP1 (1.6)
NCAN (1.7)	ABCA5 (1.6)
ABCA6 (1.6)	GSTM4 (1.5)
YSK4 (1.7)	SPATC1 (1.4)
ENSG00000226622 (1	SLC22A2 (1.5)
USP24 (1.8)	ENSG00000226622 (1
TM6SF2 (1.5)	GDF5 (1.5)
KANK2 (1.6)	FGF21 (1.5)
LIPC (1.3)	C19orf52 (1.3)
ATXN7L2 (1.8)	TRAM2 (1.8)
RAB3GAP1 (1.3)	FER1L4 (1.3)
SLC22A3 (1.6)	TSSK6 (1.5)

FADS2 (1.3)	ENSG00000235545 (1
SYPL2 (1.5)	GPAM (1.5)
CEP250 (1.7)	TOMM40 (1.6)
KPNB1 (2.2)	PPM1G (2.1)
SLC22A3 (1.6)	MAMSTR (1.5)
CARM1 (1.9)	NFE2L3 (1.9)
MAU2 (2.1)	CEP250 (2.1)
TRAM2 (2.0)	CEP250 (1.8)
ENSG00000256731 (1	DHX38 (1.7)
GRINA (2.0)	ZNF821 (2.0)
KPNB1 (1.8)	DARS (1.8)
GNAI3 (1.6)	C19orf52 (1.5)
CLPTM1 (1.8)	KPNB1 (1.8)
CLPTM1 (1.8)	KPNB1 (1.8)
CLPTM1 (1.8)	KPNB1 (1.8)
ENSG00000228044 (1	ENSG00000235545 (1
SMARCA4 (1.9)	PLCG1 (1.6)
ZNF259 (1.6)	USP24 (1.6)
ZNF821 (2.0)	ATP13A1 (1.9)
KPNB1 (1.5)	OBP2B (1.5)
IZUMO1 (1.7)	GCKR (1.6)
IZUMO1 (1.7)	GCKR (1.6)
APOC1 (1.4)	PBX4 (1.4)
C17orf57 (1.6)	PVRL2 (1.4)
APOA4 (1.7)	ABCA5 (1.7)
MAU2 (1.6)	TSSK6 (1.5)
IST1 (2.1)	POC5 (2.0)
GPAM (1.2)	MAU2 (1.1)
MAFB (1.6)	ENSG00000226806 (1
FUT1 (1.3)	SARS (1.3)
DARS (2.3)	SMARCA4 (2.3)
PVR (1.6)	TBKBP1 (1.6)
RASIP1 (1.8)	FGF21 (1.6)
SLC22A3 (1.4)	FGF21 (1.4)
ERGIC3 (1.5)	GSTM4 (1.5)
LPAR2 (1.3)	RELB (1.3)
CBLC (1.7)	CLPTM1 (1.6)
OASL (1.3)	CYP26A1 (1.3)
SLC44A2 (1.5)	ENSG00000231204 (1
ABCA1 (1.4)	ZRANB3 (1.3)
CYP26A1 (1.3)	LPAR2 (1.3)
MAP3K4 (1.7)	ATXN7L2 (1.7)
TM6SF2 (1.5)	GOT2P1 (1.5)
OBP2B (1.6)	LPAR2 (1.6)
MAMSTR (1.3)	PARP10 (1.2)
PPM1G (1.6)	PLCG1 (1.6)
IZUMO1 (1.4)	SUMO1 (1.4)
ZHX3 (1.4)	GNAI3 (1.4)
PSRC1 (1.6)	LPL (1.6)
R3HDM1 (1.7)	MYLIP (1.7)

KPNB1 (2.3)	POC5 (2.2)
KPNB1 (2.3)	POC5 (2.2)
KPNB1 (2.3)	POC5 (2.2)
FER1L4 (1.6)	AMIGO1 (1.6)
LIPG (1.5)	TSSK6 (1.4)
POC5 (1.8)	BUD13 (1.6)
FADS2 (1.5)	SYPL2 (1.5)
FADS1 (1.5)	ATXN7L2 (1.5)
HAPLN4 (1.5)	SARS (1.4)
HAPLN4 (1.5)	SARS (1.4)
ABCA5 (1.7)	R3HDM1 (1.5)
CELSR2 (1.7)	LPAL2 (1.7)
NCAN (1.4)	ST3GAL4 (1.4)
GMIP (1.8)	OASL (1.8)
SUMO1 (1.3)	GOT2P1 (1.3)
SUMO1 (1.3)	GOT2P1 (1.3)
IGF2R (1.8)	LPAL2 (1.8)
POLK (1.6)	ENSG00000226806 (1
C19orf52 (1.2)	IST1 (1.2)
ZNF821 (1.3)	FNDC4 (1.2)
KPNB1 (1.9)	NOP58 (1.8)
GRINA (1.5)	TSSK6 (1.5)
CEP250 (1.4)	ENSG00000231204 (1
ENSG00000236436 (1	ENSG00000226648 (1
PBX4 (1.7)	CARM1 (1.6)
APOC1 (1.5)	APOE (1.5)
ST3GAL4 (1.5)	OBP2B (1.4)
NUP93 (2.1)	ZNF821 (2.0)
RAB3GAP1 (1.8)	LPAR2 (1.8)
GATAD2A (1.5)	TOMM40 (1.3)
PLEC (1.5)	LPL (1.4)
SLC22A2 (1.6)	APOA5 (1.5)
RASIP1 (1.4)	LPIN3 (1.4)
PVR (1.8)	KPNB1 (1.8)
GMIP (1.8)	MAFB (1.6)
DNAH11 (1.5)	MAMSTR (1.4)
C11orf9 (2.1)	BMPR2 (2.1)
PVRL2 (2.0)	NRBP1 (1.9)
MAP3K4 (1.7)	ABCA6 (1.7)
ENSG00000256731 (1	C11orf9 (1.3)
ENSG00000236267 (1	GOT2P1 (1.1)
FER1L4 (1.3)	ST3GAL4 (1.2)
NCAN (1.3)	LPA (1.1)
UBXN4 (2.0)	FGF21 (1.9)
ENSG00000226648 (1	ABCA6 (1.6)
GDF5 (2.1)	CYB561D1 (2.0)
MAFB (1.7)	ENSG00000226806 (1
PPM1G (1.7)	TOMM40 (1.5)
ENSG00000226645 (1	LPA (1.4)
IFT172 (1.5)	CYP26A1 (1.5)

DHODH (1.8)	YIPF2 (1.8)
SYPL2 (1.2)	YIPF2 (1.2)
SUMO1 (1.7)	PVR (1.6)
RASIP1 (1.6)	BCAM (1.5)
TIMD4 (1.3)	C19orf52 (1.2)
ENSG00000254235 (1	CYP26A1 (1.4)
BUD13 (1.7)	MAP3K4 (1.5)
APOE (1.8)	ENSG00000228044 (1
CEP250 (2.0)	PPM1G (1.8)
PSMA5 (1.8)	BMPR2 (1.7)
PLCG1 (1.5)	NYNRIN (1.4)
FADS2 (2.1)	NRBP1 (1.9)
TM6SF2 (1.7)	ENSG00000226622 (1
TM6SF2 (1.7)	ENSG00000226622 (1
ENSG00000244861 (1	RELB (1.2)
CLPTM1 (2.0)	MAU2 (2.0)
SYPL2 (1.5)	ERGIC3 (1.4)
ABCG8 (1.7)	ENSG00000235545 (1
USP1 (1.4)	ABCA1 (1.4)
NUP93 (1.5)	ZNF259 (1.5)
FGF21 (1.6)	NUP93 (1.6)
GDF5 (1.5)	ATXN1L (1.5)
BCAM (1.7)	OBP2B (1.6)
PVR (1.7)	TXNL4B (1.7)
FNDC4 (1.3)	OTX1 (1.3)
TIMD4 (1.4)	NRBP1 (1.4)
SUMO1 (1.9)	NUP93 (1.8)
C12orf43 (1.9)	SMARCA4 (1.8)
SORT1 (1.3)	GNAI3 (1.3)
RELB (1.9)	OASL (1.9)
DOCK7 (1.3)	LPAL2 (1.3)
ENSG00000236267 (1	ERGIC3 (1.4)
GRINA (1.1)	LPAL2 (1.1)
ZNF513 (1.5)	RELB (1.4)
TSSK6 (1.5)	HAPLN4 (1.5)
KRTCAP3 (1.7)	TRAM2 (1.6)
KRTCAP3 (1.7)	TRAM2 (1.6)
SMARCA4 (2.0)	HAPLN4 (1.9)
ENSG00000182329 (1	PARP10 (1.3)
CYP26A1 (0.9)	FEN1 (0.9)
MYLIP (1.5)	HNF1A (1.3)
PSRC1 (1.7)	DHX38 (1.7)
PVRL2 (1.3)	ENSG00000236436 (1
ENSG00000236436 (1	PVRL2 (1.2)
POC5 (1.4)	HAVCR1 (1.3)
ENSG00000236267 (1	TOMM40 (1.5)
ABO (1.5)	CYP26A1 (1.4)
ABCA1 (1.0)	MYLIP (1.0)
LCT (1.9)	ABCG5 (1.9)
NUP93 (1.8)	KPNB1 (1.7)

RAB3GAP1 (2.1)	KPNB1 (2.1)
TM6SF2 (1.4)	ZNF821 (1.4)
HNF4A (1.2)	POLK (1.2)
CARM1 (2.1)	ENSG00000226645 (2
C12orf43 (1.5)	TRIM54 (1.5)
DHX38 (2.2)	CARM1 (2.1)
MYLIP (1.4)	KANK2 (1.3)
LPIN3 (1.6)	OBP2B (1.4)
SARS (1.5)	TRAM2 (1.4)
ENSG00000226648 (1	CILP2 (1.4)
PSMA5 (1.5)	YIPF2 (1.5)
IGF2R (1.5)	LCT (1.5)
CBLC (1.4)	PCSK9 (1.4)
ATP13A1 (1.6)	GSTM4 (1.6)
MAMSTR (1.7)	DOCK7 (1.6)
KANK2 (1.5)	FADS1 (1.4)
MAU2 (1.3)	TRIB1 (1.3)
NFE2L3 (1.6)	ANGPTL3 (1.5)
NUP93 (1.9)	MAP3K4 (1.9)
SUMO1 (1.1)	ZNF821 (0.8)
DNAH11 (1.4)	YSK4 (1.3)
SYPL2 (1.5)	GSTM4 (1.3)
ENSG00000235545 (1	KPNB1 (1.3)
ENSG00000236436 (1	ENSG00000235545 (1
ABCG5 (1.9)	LIPG (1.7)
PMFBP1 (1.9)	ABCG5 (1.8)
GOT2P1 (1.8)	IFT172 (1.6)
LPA (1.7)	CELSR2 (1.6)
ABCA6 (1.3)	CETP (1.2)
ABCA6 (1.3)	CETP (1.2)
FUT1 (1.8)	NYNRIN (1.8)
SLC44A2 (1.4)	HAVCR1 (1.4)
IFT172 (1.6)	ABCA5 (1.6)
ENSG00000226645 (1	AMPD2 (1.2)
PMFBP1 (1.3)	FUT2 (1.3)
PVR (1.4)	HAVCR1 (1.3)
TIMD4 (1.4)	RELB (1.4)
DHODH (1.7)	PSMA5 (1.7)
DHODH (2.0)	KPNB1 (1.7)
PLG (1.8)	RP1 (1.6)
LPAR2 (1.6)	ENSG00000228044 (1
ST3GAL4 (1.7)	COL4A3BP (1.7)
ABCG8 (1.5)	PVRL2 (1.4)
ABCA1 (1.6)	GATAD2A (1.5)
ENSG00000228044 (1	SPATC1 (1.6)
PMFBP1 (1.6)	IZUMO1 (1.5)
FADS2 (1.4)	SYPL2 (1.3)
PBX4 (1.6)	ENSG00000226648 (1
ABCA6 (1.3)	NFE2L3 (1.2)
ENSG00000228044 (1	KPNB1 (1.6)

ENSG00000228044 (1	KPNB1 (1.6)
NUP93 (1.7)	CEP250 (1.6)
IST1 (1.8)	RAB3GAP1 (1.8)
ZNF821 (1.1)	ENSG00000231204 (1
C12orf43 (2.0)	DOCK7 (1.9)
IST1 (1.8)	ENSG00000228044 (1
YSK4 (1.2)	GNAI3 (1.2)
MAP3K4 (1.6)	HNF1A (1.6)
ABCG8 (1.4)	IST1 (1.3)
SLC44A2 (1.9)	AMIGO1 (1.8)
PMFBP1 (1.7)	FUT2 (1.6)
CETP (1.2)	TIMD4 (1.2)
ENSG00000231204 (1	TRAM2 (1.6)
CYB561D1 (1.3)	ABCA1 (1.3)
MAFB (1.5)	GRINA (1.4)
ZNF513 (1.3)	ABCA1 (1.3)
ENSG00000244861 (1	ENSG00000236267 (1
FUT2 (1.4)	ATXN1L (1.3)
FADS2 (1.6)	NUP93 (1.6)
IZUMO1 (1.7)	NFE2L3 (1.7)
TXNL4B (1.8)	C19orf52 (1.7)
SLC44A2 (1.7)	ABO (1.7)
DOCK6 (1.8)	CILP2 (1.6)
NUP93 (2.0)	AMPD2 (1.8)
PLCG1 (1.5)	DNAH11 (1.5)
APOC1 (1.4)	IZUMO1 (1.3)
TOP1 (2.4)	TOMM40 (2.1)
YIPF2 (1.4)	ERGIC3 (1.3)
SPATC1 (1.6)	GMIP (1.5)
LPIN3 (1.4)	ZRANB3 (1.3)
GDF5 (1.5)	SUMO1 (1.5)
AMIGO1 (1.6)	CBLC (1.6)
CELSR2 (1.6)	GDF5 (1.6)
CELSR2 (1.6)	GDF5 (1.6)
CELSR2 (1.5)	SORT1 (1.5)
SYPL2 (2.3)	LCT (2.3)
GPAM (1.4)	TBKBP1 (1.4)
DNAH11 (1.8)	TSSK6 (1.7)
C11orf9 (2.0)	PVRL2 (1.8)
GATAD2A (1.5)	BUD13 (1.4)
OASL (1.3)	BMPR2 (1.2)
SLC22A2 (1.7)	ENSG00000231204 (1
ABCG8 (1.5)	AMIGO1 (1.5)
DNAH11 (1.8)	ABCA1 (1.7)
POLK (1.6)	ENSG00000228044 (1
MAU2 (1.4)	HNF1A (1.2)
GMIP (1.2)	LPA (1.1)
TM6SF2 (1.8)	HNF1A (1.6)
NOP58 (2.4)	RAB3GAP1 (2.4)
ABCA5 (1.5)	SORT1 (1.4)

C19orf52 (1.6)	POC5 (1.5)
PSMA5 (2.0)	C12orf43 (1.9)
ENSG00000226622 (1	PMFBP1 (1.8)
SNX17 (2.7)	NUP93 (2.4)
KPNB1 (1.7)	GSTM5 (1.7)
R3HDM1 (1.6)	FNDC4 (1.6)
ENSG00000226622 (1	NFE2L3 (1.4)
BMPR2 (1.7)	BCAM (1.6)
NOP58 (1.9)	POLK (1.8)
CYB561D1 (1.7)	HAVCR1 (1.5)
CYB561D1 (1.7)	HAVCR1 (1.5)
HNF1A (1.6)	DNAH11 (1.5)
SMARCA4 (1.7)	PSMA5 (1.6)
CEP250 (1.4)	HNF1A (1.4)
CEP250 (1.4)	HNF1A (1.4)
PBX4 (1.4)	ABCA6 (1.3)
PBX4 (1.4)	ABCA6 (1.3)
ZNF513 (1.4)	RELB (1.4)
OBP2B (1.5)	LIPG (1.5)
AMIGO1 (1.8)	KPNB1 (1.7)
ERGIC3 (2.0)	IGF2R (1.8)
ABCA1 (1.7)	DOCK7 (1.4)
PPM1G (1.8)	EHBP1 (1.7)
IGF2R (1.2)	SMARCA4 (1.1)
IZUMO1 (1.5)	TIMD4 (1.5)
C17orf57 (1.8)	NYNRIN (1.6)
ENSG00000235545 (1	PPM1G (1.5)
FER1L4 (1.3)	GPR61 (1.3)
ATXN1L (2.0)	ENSG00000235545 (1
IGF2R (2.0)	NUP93 (1.9)
ENSG00000226622 (2	USP1 (2.0)
CEP250 (1.6)	GSTM4 (1.6)
GPAM (1.6)	OTX1 (1.6)
CYP26A1 (1.8)	GNAT2 (1.6)
ANGPTL3 (1.5)	FUT2 (1.5)
ANGPTL3 (1.8)	ZNF821 (1.8)
KANK2 (1.7)	ENSG00000226648 (1
GPR61 (1.4)	IZUMO1 (1.3)
MYLIP (1.3)	ENSG00000226645 (1
POLK (1.6)	LPA (1.3)
SUMO1 (1.2)	ENSG00000226806 (1
PLCG1 (1.7)	LCT (1.6)
C11orf9 (1.8)	MAP3K4 (1.6)
YSK4 (1.5)	ENSG00000228044 (1
USP1 (2.0)	BUD13 (1.6)
NYNRIN (1.4)	C11orf9 (1.3)
ABCA5 (1.3)	PMFBP1 (1.2)
FER1L4 (1.8)	PSRC1 (1.6)
ENSG00000254235 (1	RASIP1 (1.1)
GPAM (1.2)	MAU2 (1.1)

SUMO1 (1.9)	PPM1G (1.8)
CELSR2 (1.8)	PMFBP1 (1.5)
SLC44A2 (1.5)	APOE (1.4)
HAVCR1 (1.9)	LPIN3 (1.7)
USP24 (2.0)	GRINA (1.9)
LDLR (1.6)	DARS (1.5)
ENSG00000182329 (1	LPL (1.7)
ST3GAL4 (1.5)	TBKBP1 (1.5)
PVR (1.6)	YSK4 (1.5)
SNX17 (1.8)	ATP13A1 (1.8)
ATXN7L2 (2.1)	KRTCAP3 (2.0)
ENSG00000228044 (2	AMIGO1 (2.0)
GOT2P1 (1.7)	LPAR2 (1.7)
DOCK7 (1.4)	NYNRIN (1.4)
NYNRIN (1.4)	HAVCR1 (1.4)
NYNRIN (1.7)	OBP2B (1.6)
BUD13 (2.0)	DHODH (1.8)
BUD13 (2.0)	DHODH (1.8)
SLC22A2 (1.3)	ST3GAL4 (1.2)
HNF1A (1.5)	PLEC (1.4)
SARS (2.5)	PCSK9 (2.3)
GMIP (1.6)	CETP (1.5)
R3HDM1 (1.8)	TXNL4B (1.8)
ERGIC3 (1.4)	MYLIP (1.4)
C19orf52 (1.5)	SPATC1 (1.4)
GATAD2A (1.6)	PLCG1 (1.5)
MYLIP (1.4)	FGF21 (1.2)
NUP93 (1.9)	SNX17 (1.8)
CBLC (1.4)	PLEC (1.4)
MAFB (1.8)	CARM1 (1.8)
ENSG00000226648 (1	LPIN3 (1.6)
SMARCA4 (1.7)	FADS1 (1.6)
CYP26A1 (1.7)	TRAM2 (1.6)
LPAL2 (1.4)	ST3GAL4 (1.3)
SLC22A3 (1.6)	SNX17 (1.4)
SNX17 (1.4)	SYPL2 (1.3)
SLC22A3 (1.1)	YSK4 (0.8)
NYNRIN (1.8)	GDF5 (1.8)
ABCA6 (1.0)	MAFB (1.0)
ENSG00000254235 (1	SUMO1 (1.5)
FUT2 (1.8)	NPEPPS (1.7)
POC5 (2.0)	FEN1 (2.0)
PVRL2 (1.2)	C19orf52 (1.2)
ENSG00000228044 (1	ZNF821 (1.5)
SUMO1 (1.5)	ZNF513 (1.4)
GNAI3 (1.9)	DHX38 (1.8)
CILP2 (1.3)	TM6SF2 (1.3)
HNF1A (1.5)	HAVCR1 (1.5)
USP24 (1.5)	TOP1 (1.4)
TSSK6 (1.8)	ENSG00000231204 (1

POC5 (1.6)	GATAD2A (1.5)
YSK4 (2.3)	SLC22A2 (2.2)
PGS1 (1.3)	ABCA6 (1.3)
IGF2R (1.8)	DOCK7 (1.5)
ENSG00000226806 (2	ENSG00000231204 (1
LPAL2 (1.3)	LPAR2 (1.3)
SUMO1 (1.6)	NYNRIN (1.4)
KPNB1 (1.9)	MCM6 (1.9)
USP24 (1.1)	PARP10 (1.1)
C17orf57 (1.3)	PVR (1.2)
CETP (1.5)	ATXN1L (1.5)
SNX17 (2.5)	PSMA5 (2.4)
ENSG00000182329 (1	LCT (1.8)
CBLC (1.6)	GPAM (1.5)
IZUMO1 (1.7)	LPAR2 (1.7)
HNF4A (1.8)	C17orf57 (1.7)
SORT1 (1.7)	NRBP1 (1.7)
HP (1.8)	UBXN4 (1.8)
POLK (1.9)	LIPG (1.9)
OASL (1.3)	LIPG (1.3)
PARP10 (1.2)	POLK (1.2)
ABCA5 (1.4)	ENSG00000182329 (1
PLEC (1.8)	R3HDM1 (1.8)
CETP (1.7)	NFE2L3 (1.7)
TRAM2 (1.4)	LCT (1.3)
HAPLN4 (1.9)	ABCA6 (1.6)
SLC22A3 (1.2)	PARP10 (1.2)
C19orf52 (1.5)	MAMSTR (1.5)
FER1L4 (1.4)	ZNF821 (1.3)
MAMSTR (1.4)	CBLC (1.3)
CILP2 (1.5)	PLCG1 (1.4)
GSTM5 (1.5)	PVRL2 (1.4)
CILP2 (1.4)	ATXN7L2 (1.3)
CEP250 (1.7)	SUGP1 (1.7)
SUGP1 (1.5)	ENSG00000226622 (1
NPEPPS (1.5)	OASL (1.4)
C17orf57 (1.9)	ZNF513 (1.8)
SARS (2.2)	NUP93 (2.2)
KANK2 (1.7)	DOCK6 (1.6)
C19orf52 (1.3)	TBKBP1 (1.3)
SLC22A3 (1.6)	SLC22A2 (1.5)
NOP58 (2.3)	DHX38 (2.3)
IST1 (2.7)	GNAI3 (2.3)
C19orf52 (1.7)	YSK4 (1.6)
ENSG00000256731 (2	ZNF259 (2.0)
DNAH11 (1.2)	PVR (1.2)
LCT (1.4)	ST3GAL4 (1.3)
LPAR2 (1.4)	YIPF2 (1.3)
AMPD2 (1.4)	SMARCA4 (1.3)
PGS1 (1.1)	LPL (1.1)

CYB561D1 (1.4)	CEP250 (1.3)
ATXN7L2 (1.6)	LPAR2 (1.6)
CELSR2 (1.4)	SLC22A2 (1.3)
ENSG00000244861 (1	SORT1 (1.4)
LIPG (1.6)	PVRL2 (1.5)
AMPD2 (1.4)	ENSG00000182329 (1
ENSG00000226645 (1	HNF4A (1.5)
IZUMO1 (1.5)	NFE2L3 (1.4)
SLC22A2 (1.3)	ST3GAL4 (1.2)
GSTM4 (2.0)	RELB (1.8)
HAPLN4 (1.9)	ABCG8 (1.8)
HNF1A (1.8)	MYLIP (1.7)
AMIGO1 (1.6)	LPL (1.5)
PLCG1 (1.2)	LPA (1.2)
ENSG00000226645 (1	ABCA6 (1.7)
DOCK7 (1.4)	PBX4 (1.3)
LPL (1.5)	C12orf43 (1.4)
IST1 (1.2)	ATXN1L (1.2)
ENSG00000226806 (1	ZRANB3 (1.6)
FUT2 (1.4)	PSRC1 (1.4)
CELSR2 (1.5)	PLCG1 (1.4)
GNAI3 (2.1)	IGF2R (1.9)
SUGP1 (1.6)	ENSG00000182329 (1
USP24 (1.6)	NOP58 (1.6)
GCKR (1.4)	C11orf9 (1.4)
CELSR2 (1.6)	TRAM2 (1.6)
SLC44A2 (1.8)	POLK (1.7)
GMIP (1.7)	ST3GAL4 (1.7)
SYPL2 (1.3)	SNX17 (1.3)
TRIB1 (1.6)	R3HDM1 (1.6)
YSK4 (1.3)	LPAL2 (1.3)
OTX1 (1.5)	FER1L4 (1.5)
GNAT2 (1.6)	LPIN3 (1.6)
ENSG00000236267 (1	R3HDM1 (1.3)
ENSG00000236267 (1	R3HDM1 (1.3)
NYNRIN (1.7)	CYP26A1 (1.6)
PMFBP1 (1.4)	APOB (1.3)
SLC44A2 (1.6)	AMIGO1 (1.5)
RASIP1 (1.4)	TRAM2 (1.3)
GSTM4 (1.8)	RELB (1.8)
GPAM (1.6)	FGF21 (1.4)
POLK (1.7)	CELSR2 (1.6)
SNX17 (1.5)	ENSG00000236267 (1
MAMSTR (1.4)	FGF21 (1.4)
BCAM (1.8)	MAFB (1.7)
CELSR2 (1.6)	SLC44A2 (1.5)
ENSG00000236436 (1	IFT172 (1.5)
CEP250 (1.5)	HAVCR1 (1.4)
IST1 (1.4)	NPEPPS (1.3)
IST1 (1.4)	NPEPPS (1.3)

USP1 (1.9)	GNAT2 (1.8)
HAVCR1 (1.8)	LPAR2 (1.8)
ENSG00000244861 (1	APOA4 (1.8)
FGF21 (1.3)	MAMSTR (1.3)
MYLIP (1.6)	ABCA5 (1.6)
LPAR2 (1.9)	TM6SF2 (1.8)
ENSG00000231204 (1	ABCA6 (1.7)
LIPC (1.9)	SYPL2 (1.9)
ENSG00000236436 (1	CILP2 (1.3)
PLEC (1.5)	ZNF259 (1.5)
RELB (1.7)	PVRL2 (1.6)
GDF5 (1.5)	OBP2B (1.5)
GDF5 (1.5)	OBP2B (1.5)
TXNL4B (2.3)	USP24 (2.1)
FNDC4 (1.4)	YIPF2 (1.4)
OASL (1.5)	GRINA (1.5)
CYP26A1 (1.6)	PVR (1.6)
ABCA6 (1.7)	C17orf57 (1.6)
HNF1A (1.6)	ZNF259 (1.5)
ZNF513 (1.3)	PARP10 (1.3)
ZNF513 (1.3)	PARP10 (1.3)
ABCA6 (1.5)	NPEPPS (1.5)
GATAD2A (1.7)	MAU2 (1.7)
MAMSTR (1.9)	ZHX3 (1.8)
CARM1 (1.9)	KPNB1 (1.8)
TBKBP1 (1.7)	EHBP1 (1.7)
ABO (1.3)	CILP2 (1.2)
TRAM2 (1.6)	MAMSTR (1.5)
NYNRIN (1.7)	MAFB (1.6)
ENSG00000228044 (1	C11orf9 (1.4)
ENSG00000226648 (1	R3HDM1 (1.3)
HP (1.3)	ENSG00000226622 (1
PGS1 (1.2)	ENSG00000226645 (1
YSK4 (1.3)	ANGPTL3 (1.3)
C11orf9 (1.8)	SLC22A1 (1.7)
PMFBP1 (1.5)	RP1 (1.5)
SUGP1 (1.4)	PMFBP1 (1.3)
ENSG00000226806 (1	SLC44A2 (1.8)
SORT1 (1.2)	RASIP1 (1.1)
DOCK6 (1.3)	LPAL2 (1.2)
SNX17 (1.6)	TBKBP1 (1.6)
YSK4 (2.0)	GPR61 (1.8)
GATAD2A (1.7)	GMIP (1.6)
LPAR2 (1.7)	LPIN3 (1.7)
FUT2 (1.5)	CILP2 (1.4)
SMARCA4 (1.6)	DHX38 (1.5)
PLCG1 (2.0)	GATAD2A (1.6)
PSMA5 (1.9)	NRBP1 (1.8)
FER1L4 (1.7)	YSK4 (1.7)
YSK4 (1.4)	DHODH (1.4)

BMPR2 (1.9)	CELSR2 (1.6)
KANK2 (1.8)	SYPL2 (1.6)
ABCA6 (1.2)	PVRL2 (1.1)
ERGIC3 (1.7)	TBKBP1 (1.6)
FADS1 (1.5)	AMIGO1 (1.4)
CEP250 (1.7)	TRIB1 (1.6)
SUMO1 (2.1)	PSMA5 (2.1)
SLC22A3 (1.6)	IZUMO1 (1.5)
NRBP1 (1.9)	C19orf52 (1.7)
CEP250 (1.7)	DARS (1.6)
NUP93 (1.8)	ENSG00000226806 (1
KANK2 (1.3)	IZUMO1 (1.2)
POC5 (1.1)	LPL (1.1)
POC5 (1.1)	LPL (1.1)
ABO (1.2)	BMPR2 (1.1)
PPM1G (1.9)	NUP93 (1.9)
GMIP (1.4)	ENSG00000254235 (1
MAFB (1.6)	BCAM (1.6)
DARS (2.0)	KPNB1 (1.9)
ENSG00000236436 (1	KRTCAP3 (1.0)
ENSG00000236436 (1	KRTCAP3 (1.0)
ATXN7L2 (1.6)	AMPD2 (1.4)
C12orf43 (1.6)	ATP13A1 (1.6)
ABO (1.6)	SLC22A3 (1.6)
PVRL2 (1.7)	FUT2 (1.7)
BCAM (1.6)	OBP2B (1.6)
ABCA5 (1.6)	CYB561D1 (1.6)
HAPLN4 (1.9)	PMFBP1 (1.9)
COL4A3BP (1.4)	USP1 (1.4)
FEN1 (1.5)	PSMA5 (1.5)
NFE2L3 (1.6)	ENSG00000226645 (1
PMFBP1 (1.6)	DOCK6 (1.6)
R3HDM1 (1.8)	NRBP1 (1.8)
YSK4 (1.8)	GNAI3 (1.6)
YSK4 (1.3)	IFT172 (1.3)
ENSG00000231204 (1	ANGPTL3 (1.1)
SLC22A3 (1.4)	KPNB1 (1.3)
GOT2P1 (1.6)	FNDC4 (1.5)
KPNB1 (1.5)	PVRL2 (1.4)
BCAM (1.4)	PLEC (1.4)
ABCG5 (1.1)	ENSG00000228044 (1
DARS (1.6)	PARP10 (1.5)
USP1 (2.2)	MAU2 (2.1)
PSMA5 (1.6)	ZHX3 (1.6)
ABCG5 (1.8)	SLC22A1 (1.8)
FER1L4 (1.2)	ZHX3 (1.1)
CEP250 (1.2)	PSMA5 (1.1)
ENSG00000231204 (1	ABO (1.3)
HNF1A (1.4)	OBP2B (1.4)
KRTCAP3 (1.3)	TRAM2 (1.3)

LPAL2 (1.2)	GMIP (1.2)
ZRANB3 (1.2)	GSTM5 (1.2)
IZUMO1 (1.7)	FGF21 (1.4)
KPNB1 (2.0)	PPM1G (1.6)
HMGCR (1.7)	LCT (1.7)
TRIB1 (1.8)	MAMSTR (1.8)
IST1 (1.6)	ENSG00000182329 (1
HNF1A (1.8)	IGF2R (1.7)
HNF1A (1.8)	IGF2R (1.7)
HNF1A (1.8)	IGF2R (1.7)
HNF1A (1.8)	IGF2R (1.7)
USP24 (1.5)	APOE (1.5)
PBX4 (2.0)	YIPF2 (1.9)
GSTM4 (1.2)	LPAR2 (1.2)
IZUMO1 (2.0)	ERGIC3 (1.6)
IZUMO1 (2.0)	ERGIC3 (1.6)
GMIP (1.6)	LCT (1.6)
C17orf57 (1.7)	ABCG8 (1.7)
NPEPPS (1.8)	KPNB1 (1.7)
C17orf57 (1.5)	ABCA5 (1.4)
FUT2 (1.2)	SUMO1 (1.1)
ABO (1.6)	ABCA5 (1.5)
ENSG00000236436 (1	NPEPPS (1.7)
YSK4 (1.4)	PSRC1 (1.4)
ENSG00000231204 (1	ATXN7L2 (1.5)
CEP250 (1.4)	CBLC (1.4)
FADS2 (1.6)	APOC1 (1.6)
MCM6 (1.8)	DOCK7 (1.7)
MCM6 (1.6)	NPEPPS (1.5)
POC5 (2.2)	KPNB1 (2.2)
RELB (1.4)	ST3GAL4 (1.3)
IZUMO1 (1.8)	SYPL2 (1.7)
IZUMO1 (1.8)	SYPL2 (1.7)
IZUMO1 (1.8)	SYPL2 (1.7)
IST1 (1.9)	ATXN1L (1.8)
MAU2 (1.6)	PLEC (1.5)
POLK (1.4)	MAP3K4 (1.4)
KPNB1 (1.8)	CARM1 (1.8)
ERGIC3 (1.6)	GSTM5 (1.5)
ATXN1L (1.8)	GDF5 (1.7)
PPM1G (1.7)	EHBP1 (1.6)
FER1L4 (1.8)	ENSG00000226622 (1
YIPF2 (1.6)	HAVCR1 (1.5)
PCSK9 (1.5)	OTX1 (1.5)
PVR (1.6)	ABCA5 (1.6)
LIPG (1.6)	ENSG00000228044 (1
USP1 (2.2)	DHX38 (2.0)
CYB561D1 (1.6)	BUD13 (1.5)
GNAI3 (1.7)	CEP250 (1.7)
NCAN (1.9)	NFE2L3 (1.9)

GPR61 (1.5)	NCAN (1.5)
IST1 (2.1)	BUD13 (2.0)
ENSG00000244861 (1	MYLIP (1.7)
FUT2 (1.4)	MAFB (1.4)
LPL (1.7)	ZNF259 (1.7)
ENSG00000226806 (1	GRINA (1.3)
UBXN4 (1.7)	KPNB1 (1.6)
CETP (1.6)	CEP250 (1.4)
ATXN1L (1.6)	CILP2 (1.6)
TRIB1 (1.5)	CBLC (1.5)
LPAL2 (1.6)	PBX4 (1.5)
IFT172 (1.8)	HAVCR1 (1.7)
TOP1 (1.9)	C19orf52 (1.6)
TRIB1 (1.6)	MAU2 (1.6)
MCM6 (2.2)	POLK (1.8)
APOC1 (1.7)	SLC22A2 (1.5)
HNF4A (1.9)	IGF2R (1.8)
ATXN1L (1.7)	SLC22A3 (1.7)
PSRC1 (1.7)	OTX1 (1.6)
DHX38 (1.6)	ENSG00000226622 (1
ABCG8 (2.0)	SPATC1 (1.8)
COL4A3BP (1.6)	OTX1 (1.5)
ENSG00000226622 (1	NCAN (1.6)
BMPR2 (1.4)	NYNRIN (1.2)
PLEC (1.9)	GATAD2A (1.7)
ATXN1L (1.6)	TRAM2 (1.6)
AMPD2 (1.2)	FNDC4 (1.2)
ATXN1L (1.5)	GSTM4 (1.4)
NFE2L3 (1.6)	PLCG1 (1.5)
ENSG00000244861 (1	PGS1 (1.9)
ZHX3 (1.4)	POC5 (1.3)
TBKBP1 (1.7)	AMPD2 (1.7)
KPNB1 (1.5)	ERGIC3 (1.4)
KPNB1 (1.5)	ERGIC3 (1.4)
PBX4 (1.5)	ENSG00000236436 (1
GNAI3 (1.4)	ATXN1L (1.4)
CEP250 (1.5)	ST3GAL4 (1.5)
C11orf9 (1.2)	CILP2 (1.2)
TRIB1 (1.8)	MAMSTR (1.8)
HNF1A (1.7)	APOC3 (1.6)
LIPG (1.5)	GPR61 (1.5)
IZUMO1 (2.1)	RASIP1 (2.0)
GDF5 (1.4)	SLC22A3 (1.4)
FUT1 (1.9)	MAFB (1.8)
TM6SF2 (1.8)	SORT1 (1.7)
GATAD2A (1.7)	SUMO1 (1.7)
ENSG00000236267 (1	AMPD2 (1.3)
LPIN3 (1.6)	ENSG00000226806 (1
KRTCAP3 (1.6)	ABO (1.5)
TRAM2 (1.6)	TIMD4 (1.5)

DOCK7 (1.4)	SYPL2 (1.4)
ZHX3 (1.6)	TSSK6 (1.5)
TOMM40 (2.2)	GATAD2A (2.1)
GOT2P1 (1.3)	KANK2 (1.1)
COL4A3BP (2.1)	C12orf43 (2.1)
SORT1 (1.7)	SYPL2 (1.6)
IST1 (2.0)	DHX38 (1.9)
ENSG00000182329 (1	ENSG00000226806 (1
MAP3K4 (1.1)	LPIN3 (1.1)
NRBP1 (1.9)	BMPR2 (1.8)
MAU2 (1.8)	RASIP1 (1.8)
ABCA1 (1.2)	GATAD2A (1.2)
NRBP1 (1.8)	ZRANB3 (1.6)
GATAD2A (1.2)	TIMD4 (1.2)
OTX1 (1.7)	OBP2B (1.7)
SLC44A2 (1.6)	C17orf57 (1.6)
PMFBP1 (1.6)	PSRC1 (1.6)
C19orf80 (1.4)	MAU2 (1.3)
SNX17 (1.5)	GPAM (1.5)
BUD13 (1.4)	TSSK6 (1.4)
LPIN3 (1.4)	MAP3K4 (1.3)
FGF21 (1.0)	CLPTM1 (1.0)
C11orf9 (1.7)	IST1 (1.6)
LIPG (1.8)	SPATC1 (1.7)
KPNB1 (1.8)	PLEC (1.7)
ZNF821 (1.4)	TSSK6 (1.4)
ENSG00000226622 (1	APOA4 (1.5)
ABO (1.8)	C17orf57 (1.6)
ENSG00000235545 (1	PBX4 (1.3)
ENSG00000235545 (1	PBX4 (1.3)
FER1L4 (1.3)	DHODH (1.3)
MCM6 (1.7)	GDF5 (1.7)
MAP3K4 (1.9)	ZHX3 (1.8)
YIPF2 (1.4)	GOT2P1 (1.3)
GSTM5 (1.4)	MYLIP (1.4)
PVR (1.6)	PBX4 (1.6)
TIMD4 (1.6)	APOE (1.6)
FUT2 (1.9)	ENSG00000226648 (1
ZHX3 (1.8)	SPATC1 (1.7)
HAVCR1 (1.6)	ENSG00000236267 (1
SUGP1 (1.4)	ATP13A1 (1.4)
NFE2L3 (1.2)	SLC44A2 (1.2)
ENSG00000228044 (1	CELSR2 (1.4)
ANGPTL3 (1.9)	PSMA5 (1.8)
IFT172 (1.5)	LPA (1.5)
KANK2 (1.7)	USP24 (1.7)
CYP26A1 (1.2)	CILP2 (1.2)
YIPF2 (1.4)	TRIB1 (1.3)
IZUMO1 (1.7)	LPL (1.5)
ABCA5 (1.4)	ENSG00000231204 (1

KRTCAP3 (1.5)	KPNB1 (1.5)
TM6SF2 (2.1)	GPR61 (1.7)
NFE2L3 (1.2)	PLEC (1.0)
NYNRIN (1.8)	GDF5 (1.7)
ENSG00000231204 (1	GATAD2A (1.5)
ENSG00000231204 (1	APOC1 (1.5)
ENSG00000226622 (1	BUD13 (1.5)
ENSG00000226648 (1	CEP250 (1.3)
OASL (1.5)	IST1 (1.5)
ZNF259 (1.5)	ZRANB3 (1.3)
ENSG00000226645 (1	LCT (1.6)
MYLIP (1.6)	GPAM (1.6)
ENSG00000226645 (2	ENSG00000182329 (1
ENSG00000226645 (2	ENSG00000182329 (1
ENSG00000226645 (2	ENSG00000182329 (1
GATAD2A (2.1)	IST1 (2.1)
PLEC (1.7)	PVRL2 (1.5)
CELSR2 (1.5)	KRTCAP3 (1.4)
NRBP1 (1.7)	SLC44A2 (1.6)
ZNF513 (1.4)	UBXN4 (1.4)
C11orf9 (1.7)	LPL (1.7)
DNAH11 (1.4)	ENSG00000226806 (1
IGF2R (1.5)	OASL (1.4)
IGF2R (1.5)	OASL (1.4)
IGF2R (1.5)	OASL (1.4)
TOP1 (1.5)	CLPTM1 (1.4)
GNAI3 (1.8)	ENSG00000226648 (1
ENSG00000226622 (1	FGF21 (1.2)
ENSG00000236267 (1	TBKBP1 (1.3)
C11orf9 (1.3)	MAMSTR (1.2)
GDF5 (1.7)	KANK2 (1.6)
HAPLN4 (1.8)	AMIGO1 (1.7)
GOT2P1 (1.5)	RAB3GAP1 (1.5)
MAFB (1.7)	LPIN3 (1.7)
TRIB1 (1.8)	ENSG00000244861 (1
TRIM54 (1.5)	ENSG00000226648 (1
OBP2B (1.5)	HAVCR1 (1.1)
ENSG00000226648 (1	PBX4 (1.5)
AMPD2 (1.8)	MAU2 (1.7)
SORT1 (1.6)	CILP2 (1.6)
FUT2 (1.5)	IGF2R (1.4)
RAB3GAP1 (1.3)	R3HDM1 (1.3)
CBLC (1.7)	OBP2B (1.6)
DOCK6 (1.6)	SUGP1 (1.4)
ENSG00000226645 (1	CBLC (1.2)
ENSG00000226645 (1	CBLC (1.2)
ENSG00000226645 (1	CBLC (1.2)
SUGP1 (2.0)	ATXN7L2 (2.0)
C19orf52 (1.7)	CLPTM1 (1.5)
C19orf52 (1.7)	CLPTM1 (1.5)

C19orf52 (1.7)	CLPTM1 (1.5)
CELSR2 (1.3)	DOCK7 (1.3)
GDF5 (1.3)	MAFB (1.2)
YIPF2 (1.5)	ZNF513 (1.4)
GSTM5 (1.6)	GDF5 (1.6)
ATXN7L2 (1.8)	CETP (1.8)
SPATC1 (1.1)	PGS1 (1.1)
ENSG00000226645 (1	C11orf9 (1.3)
SUGP1 (1.5)	MAFB (1.4)
AMIGO1 (1.6)	GSTM4 (1.6)
OTX1 (1.8)	ABO (1.5)
PPM1G (1.7)	GOT2P1 (1.6)
LPAR2 (1.7)	CARM1 (1.6)
PBX4 (1.8)	HAVCR1 (1.7)
SUMO1 (1.6)	NCAN (1.6)
BMPR2 (1.8)	PBX4 (1.7)
CARM1 (1.5)	NPEPPS (1.5)
PPM1G (1.4)	ENSG00000244861 (1
MAP3K4 (1.2)	BUD13 (1.1)
RAB3GAP1 (1.0)	OBP2B (0.9)
ABO (1.5)	ENSG00000256731 (1
EHBP1 (1.6)	LPAL2 (1.6)
CYB561D1 (1.4)	C11orf9 (1.4)
ABO (1.7)	HNF4A (1.6)
PGS1 (1.7)	DHX38 (1.6)
CLPTM1 (1.7)	CARM1 (1.6)
PLEC (1.4)	ZHX3 (1.3)
C19orf80 (1.6)	GOT2P1 (1.5)
ENSG00000226622 (1	KRTCAP3 (1.5)
ENSG00000226806 (1	HNF4A (1.2)
KPNB1 (1.5)	BMPR2 (1.5)
LPL (1.4)	PMFBP1 (1.4)
GOT2P1 (1.4)	ENSG00000228044 (1
ENSG00000254235 (1	COL4A3BP (1.5)
ZHX3 (1.9)	GMIP (1.9)
DOCK7 (1.7)	TRAM2 (1.6)
SMARCA4 (1.9)	NUP93 (1.8)
SLC44A2 (1.7)	ENSG00000256731 (1
USP24 (1.2)	ENSG00000228044 (1
BMPR2 (1.6)	ZNF821 (1.5)
ENSG00000236267 (1	CARM1 (1.7)
IST1 (1.5)	RASIP1 (1.5)
TRIB1 (1.6)	GMIP (1.5)
PPM1G (1.6)	KPNB1 (1.6)
PPM1G (1.6)	KPNB1 (1.6)
PPM1G (1.6)	KPNB1 (1.6)
MYLIP (1.7)	AMIGO1 (1.6)
RP1 (1.4)	SPATC1 (1.4)
DHX38 (1.9)	ST3GAL4 (1.7)
LPAL2 (1.5)	ENSG00000226622 (1

LPIN3 (1.6)	CYB561D1 (1.6)
SLC22A3 (1.4)	C19orf80 (1.3)
FNDC4 (1.6)	ENSG00000226622 (1
CELSR2 (2.0)	GATAD2A (1.7)
FEN1 (2.3)	SNX17 (2.3)
CLPTM1 (1.6)	C19orf52 (1.5)
CLPTM1 (1.6)	C19orf52 (1.5)
CLPTM1 (1.6)	C19orf52 (1.5)
LPL (1.3)	RASIP1 (1.3)
ERGIC3 (1.5)	IFT172 (1.5)
GRINA (1.7)	ZNF821 (1.7)
UBXN4 (2.0)	DHX38 (2.0)
R3HDM1 (1.4)	ZRANB3 (1.4)
FER1L4 (1.5)	GNAI3 (1.5)
LDLR (1.4)	ENSG00000226806 (1
COL4A3BP (1.5)	POLK (1.3)
COL4A3BP (1.5)	POLK (1.3)
PPM1G (1.8)	SARS (1.8)
ENSG00000228044 (1	KPNB1 (1.6)
PGS1 (1.5)	SLC44A2 (1.4)
PPM1G (1.2)	ENSG00000236267 (1
LPIN3 (1.4)	NUP93 (1.3)
ENSG00000235545 (1	YIPF2 (1.3)
SMARCA4 (2.2)	TOP1 (2.0)
ENSG00000235545 (1	YSK4 (1.1)
NRBP1 (2.5)	PSMA5 (2.3)
SARS (1.7)	COL4A3BP (1.6)
FUT1 (1.6)	ENSG00000236267 (1
NRBP1 (1.8)	GRINA (1.8)
ENSG00000226806 (1	TXNL4B (1.8)
YIPF2 (1.6)	SMARCA4 (1.6)
FNDC4 (2.2)	GSTM5 (2.1)
BUD13 (1.3)	TIMD4 (1.3)
MAFB (1.4)	TIMD4 (1.4)
MAFB (1.4)	TIMD4 (1.4)
MAFB (1.4)	TIMD4 (1.4)
GPR61 (2.0)	PLEC (1.9)
ZNF821 (1.5)	CARM1 (1.4)
OBP2B (0.9)	DOCK7 (0.9)
OASL (1.3)	ST3GAL4 (1.3)
DARS (1.3)	ENSG00000236436 (1
NCAN (1.4)	TBKBP1 (1.3)
POLK (1.6)	ENSG00000244861 (1
SUMO1 (1.8)	SORT1 (1.7)
GATAD2A (1.6)	BUD13 (1.6)
FUT2 (1.4)	ZNF821 (1.4)
RASIP1 (1.4)	CEP250 (1.3)
ST3GAL4 (1.6)	IZUMO1 (1.6)
PARP10 (1.7)	TOMM40 (1.7)
FUT2 (1.4)	ENSG00000226645 (1

OBP2B (1.8)	ENSG00000244861 (1
GDF5 (1.5)	ENSG00000254235 (1
GDF5 (1.5)	ENSG00000254235 (1
GDF5 (1.5)	ENSG00000254235 (1
GDF5 (1.5)	ENSG00000254235 (1
GDF5 (1.5)	ENSG00000254235 (1
GDF5 (1.5)	ENSG00000254235 (1
USP24 (1.7)	ENSG00000231204 (1
KPNB1 (1.8)	NFE2L3 (1.8)
BMPR2 (1.7)	SPATC1 (1.6)
ENSG00000236436 (1	FUT2 (1.3)
GPR61 (1.6)	KRTCAP3 (1.6)
SYPL2 (1.3)	ENSG00000244861 (1
PARP10 (1.5)	TBKBP1 (1.4)
MYLIP (1.8)	POLK (1.8)
ABCG8 (1.8)	FNDC4 (1.7)
PVR (1.6)	ZHX3 (1.6)
PCSK9 (2.0)	ENSG00000244861 (1
TRIB1 (1.2)	OBP2B (1.1)
SLC44A2 (1.4)	RASIP1 (1.4)
LPL (1.4)	ENSG00000244861 (1
IZUMO1 (1.7)	EHBP1 (1.7)
PGS1 (1.2)	SPATC1 (1.2)
ERGIC3 (1.7)	SLC22A1 (1.7)
NUP93 (1.8)	ENSG00000226806 (1
ABCA1 (1.5)	DOCK6 (1.4)
NUP93 (1.3)	ENSG00000226806 (1
ZNF513 (1.4)	C19orf52 (1.4)
TRAM2 (1.8)	EHBP1 (1.6)
ZHX3 (1.6)	GNAT2 (1.6)
AMPD2 (2.1)	ATP13A1 (1.9)
MCM6 (1.9)	NUP93 (1.9)
LDLR (1.3)	OTX1 (1.3)
GRINA (1.9)	SNX17 (1.7)
OASL (1.6)	TRIM54 (1.6)
SLC22A3 (1.8)	PGS1 (1.4)
CEP250 (2.9)	ZRANB3 (2.9)
PLCG1 (2.0)	KANK2 (1.7)
C12orf43 (1.2)	ZNF821 (1.2)
IGF2R (2.0)	FER1L4 (1.8)
LPIN3 (1.7)	SNX17 (1.6)
MAFB (1.4)	RAB3GAP1 (1.4)
ENSG00000226648 (2	NUP93 (1.9)
CYP26A1 (1.3)	RASIP1 (1.2)
MYLIP (1.4)	TRAM2 (1.3)
HNF1A (1.5)	ZNF821 (1.5)
ENSG00000235545 (1	OBP2B (1.3)
LCT (1.5)	SLC44A2 (1.5)
POC5 (2.2)	PSMA5 (2.1)
DNAH11 (1.5)	LPAL2 (1.5)

DNAH11 (1.3)	NFE2L3 (1.3)
SNX17 (1.9)	EHBP1 (1.9)
EHBP1 (1.6)	MYLIP (1.6)
ZNF513 (1.5)	OBP2B (1.5)
DOCK6 (2.2)	MAU2 (1.9)
DHX38 (1.5)	SUMO1 (1.5)
BUD13 (1.5)	ZNF821 (1.5)
SMARCA4 (1.7)	BUD13 (1.7)
UBXN4 (1.8)	MAP3K4 (1.6)
HNF1A (1.5)	TBKBP1 (1.4)
COL4A3BP (1.4)	GRINA (1.4)
ENSG00000226648 (1	PVR (1.5)
ENSG00000236267 (1	DHODH (1.9)
NYNRIN (1.6)	RASIP1 (1.6)
MCM6 (2.1)	ATP13A1 (2.0)
CELSR2 (1.3)	GSTM5 (1.2)
ZNF821 (1.5)	TSSK6 (1.4)
GSTM4 (1.4)	RAB3GAP1 (1.4)
AMPD2 (1.6)	SNX17 (1.6)
NYNRIN (1.9)	SUGP1 (1.9)
NYNRIN (1.9)	SUGP1 (1.9)
TBKBP1 (2.0)	ABO (1.9)
GATAD2A (1.8)	ENSG00000226806 (1
ENSG00000226645 (1	POLK (1.6)
MYLIP (1.7)	KPNB1 (1.5)
EHBP1 (1.8)	FNDC4 (1.5)
ENSG00000228044 (1	DOCK7 (1.6)
PSRC1 (1.7)	KPNB1 (1.6)
PSRC1 (1.8)	PPM1G (1.6)
SARS (2.4)	GATAD2A (2.4)
PVR (1.2)	YSK4 (1.1)
DOCK6 (1.5)	ABO (1.5)
LCT (1.7)	GPR61 (1.6)
C12orf43 (1.7)	SARS (1.6)
SPATC1 (1.3)	FUT1 (1.3)
OBP2B (1.6)	ENSG00000226645 (1
IFT172 (1.6)	MYLIP (1.6)
CEP250 (1.7)	MAU2 (1.1)
CEP250 (1.8)	KPNB1 (1.7)
ATXN1L (1.7)	GOT2P1 (1.7)
CARM1 (1.8)	PLCG1 (1.7)
POLK (2.0)	DHODH (1.8)
NUP93 (1.6)	SLC22A3 (1.4)
ABO (1.8)	ENSG00000254235 (1
KPNB1 (2.5)	DARS (2.3)
PVR (1.7)	GATAD2A (1.6)
ENSG00000226648 (1	USP24 (1.2)
SUGP1 (2.0)	BUD13 (1.9)
PVRL2 (1.4)	ENSG00000236267 (1
PPM1G (1.6)	FADS2 (1.6)

FNDC4 (1.6)	SORT1 (1.3)
PPM1G (1.9)	ZNF259 (1.8)
NYNRIN (1.7)	CELSR2 (1.6)
NPEPPS (1.7)	CARM1 (1.7)
ENSG00000254235 (1	LPAL2 (1.4)
PSRC1 (1.6)	C19orf52 (1.6)
MAP3K4 (1.9)	KRTCAP3 (1.9)
FADS2 (1.4)	C19orf52 (1.4)
OTX1 (1.5)	LIPG (1.5)
CELSR2 (2.2)	ENSG00000235545 (2
DOCK6 (1.5)	TRAM2 (1.3)
COL4A3BP (1.7)	ENSG00000256731 (1
SUMO1 (1.6)	HAPLN4 (1.6)
KRTCAP3 (1.3)	DOCK7 (1.3)
BUD13 (1.8)	PSRC1 (1.7)
NOP58 (1.3)	ENSG00000226648 (1
ENSG00000226645 (1	BMPR2 (1.6)
CARM1 (1.5)	TRAM2 (1.3)
IST1 (2.0)	KPNB1 (2.0)
SUGP1 (1.9)	SLC44A2 (1.7)
MAMSTR (1.1)	CBLC (1.1)
POC5 (2.2)	RAB3GAP1 (2.0)
ENSG00000236436 (1	NRBP1 (1.5)
APOC1 (1.5)	ENSG00000244861 (1
HAVCR1 (1.4)	FGF21 (1.3)
HAVCR1 (1.4)	FGF21 (1.3)
GDF5 (1.9)	TRAM2 (1.8)
POC5 (1.9)	CARM1 (1.8)
ENSG00000236436 (1	PPM1G (1.8)
GATAD2A (1.9)	SORT1 (1.8)
SNX17 (1.9)	IST1 (1.8)
GSTM5 (1.7)	SLC22A2 (1.5)
GSTM5 (1.7)	SLC22A2 (1.5)
NUP93 (2.1)	SUGP1 (2.0)
PSMA5 (2.0)	GNAI3 (1.9)
SUMO1 (1.5)	GDF5 (1.5)
NUP93 (1.7)	SARS (1.7)
GSTM4 (1.5)	ERGIC3 (1.3)
C11orf9 (1.8)	PVRL2 (1.8)
SORT1 (1.3)	ATP13A1 (1.3)
POLK (2.2)	ATXN7L2 (2.1)
BMPR2 (1.6)	TOMM40 (1.6)
FNDC4 (2.0)	ENSG00000182329 (1
DNAH11 (1.3)	FUT1 (1.2)
IGF2R (1.3)	SNX17 (1.3)
OBP2B (2.1)	PMFBP1 (1.6)
SLC22A2 (1.5)	LIPG (1.4)
CYB561D1 (1.6)	GDF5 (1.5)
OTX1 (1.6)	NPEPPS (1.5)
APOE (1.8)	SARS (1.6)

TOP1 (2.2)	USP24 (2.1)
TRIB1 (1.8)	POLK (1.8)
TRAM2 (1.3)	PGS1 (1.3)
ABCA5 (1.5)	FGF21 (1.5)
RAB3GAP1 (1.9)	CBLC (1.9)
ZRANB3 (1.8)	TOP1 (1.7)
SLC22A2 (1.4)	OTX1 (1.4)
HAPLN4 (2.0)	RAB3GAP1 (2.0)
PVRL2 (0.8)	C17orf57 (0.8)
MAU2 (1.9)	RAB3GAP1 (1.8)
ZRANB3 (1.6)	IST1 (1.6)
SNX17 (1.8)	IGF2R (1.6)
ENSG00000256731 (1	ZRANB3 (1.9)
SYPL2 (1.4)	GSTM4 (1.3)
CEP250 (2.1)	LDLR (2.1)
DNAH11 (1.5)	ENSG00000231204 (1
GSTM4 (1.7)	CLPTM1 (1.7)
SPATC1 (1.8)	CYP26A1 (1.7)
ENSG00000226806 (1	CILP2 (1.3)
SORT1 (1.8)	DOCK6 (1.7)
TRAM2 (1.4)	CEP250 (1.4)
SLC22A2 (1.3)	AMPD2 (1.2)
DOCK6 (1.6)	GOT2P1 (1.4)
USP24 (1.3)	ZNF513 (1.3)
SUMO1 (1.5)	PLCG1 (1.4)
CYP26A1 (1.4)	ZNF821 (1.4)
PBX4 (1.3)	AMIGO1 (1.3)
FER1L4 (1.8)	SMARCA4 (1.7)
LPAL2 (1.5)	POLK (1.5)
IGF2R (1.8)	SNX17 (1.6)
IGF2R (1.8)	SNX17 (1.6)
ENSG00000226645 (1	PBX4 (1.3)
CELSR2 (1.7)	ENSG00000231204 (1
PGS1 (1.4)	GPR61 (1.3)
PGS1 (1.4)	GPR61 (1.3)
KANK2 (1.7)	TM6SF2 (1.6)
GPAM (1.3)	ABCA5 (1.3)
RASIP1 (1.6)	ST3GAL4 (1.5)
ENSG00000236436 (1	FUT1 (1.5)
ERGIC3 (1.9)	GNAI3 (1.7)
IZUMO1 (1.8)	HNF4A (1.7)
DOCK6 (1.3)	ENSG00000182329 (1
LPIN3 (1.8)	COL4A3BP (1.7)
LPIN3 (1.8)	COL4A3BP (1.7)
ERGIC3 (1.8)	IZUMO1 (1.7)
DHX38 (1.5)	PPM1G (1.5)
HNF1A (1.5)	NYNRIN (1.5)
R3HDM1 (1.7)	PBX4 (1.6)
HAPLN4 (1.6)	ABO (1.6)
FADS1 (0.9)	OTX1 (0.9)

ATP13A1 (1.6)	PLEC (1.6)
PSRC1 (1.6)	NUP93 (1.4)
IZUMO1 (1.8)	TIMD4 (1.5)
ZRANB3 (1.7)	IST1 (1.6)
GMIP (1.5)	DNAH11 (1.5)
PMFBP1 (1.6)	DHODH (1.5)
KANK2 (1.5)	MAFB (1.5)
AMIGO1 (1.8)	PLCG1 (1.7)
POLK (1.6)	POC5 (1.6)
ERGIC3 (2.2)	RAB3GAP1 (2.0)
SUGP1 (1.6)	C12orf43 (1.5)
C19orf52 (1.4)	CILP2 (1.3)
POC5 (1.1)	ABCA1 (1.0)
ABCG5 (2.1)	CELSR2 (2.1)
IST1 (1.5)	ENSG00000236436 (1
COL4A3BP (1.7)	CELSR2 (1.5)
COL4A3BP (1.7)	CELSR2 (1.5)
USP1 (1.9)	CELSR2 (1.8)
OTX1 (1.7)	SLC22A2 (1.6)
GMIP (1.5)	CEP250 (1.4)
HAPLN4 (1.6)	CLPTM1 (1.5)
DARS (1.6)	GNAI3 (1.6)
DARS (1.6)	GNAI3 (1.6)
PLEC (1.7)	TRIM54 (1.7)
TRAM2 (1.5)	LIPG (1.3)
PCSK9 (1.4)	ENSG00000236267 (1
SMARCA4 (2.2)	RAB3GAP1 (2.2)
AMPD2 (1.6)	DARS (1.5)
ENSG00000228044 (1	ABCA6 (1.3)
C19orf52 (1.1)	MAU2 (1.1)
ENSG00000256731 (1	SLC22A3 (1.6)
IZUMO1 (1.7)	PBX4 (1.6)
PPM1G (1.3)	MAMSTR (1.3)
AMIGO1 (1.6)	HNF1A (1.5)
SLC44A2 (1.5)	BMPR2 (1.4)
RAB3GAP1 (1.6)	GNAI3 (1.6)
SLC44A2 (1.5)	DOCK7 (1.5)
NUP93 (1.9)	PSRC1 (1.9)
GNAI3 (2.0)	SUMO1 (2.0)
GNAI3 (2.0)	SUMO1 (2.0)
GNAI3 (2.0)	SUMO1 (2.0)
NYNRIN (1.6)	PBX4 (1.6)
SLC44A2 (1.6)	HNF1A (1.5)
SLC44A2 (1.6)	TRAM2 (1.5)
FGF21 (1.6)	DHODH (1.5)
LPL (1.5)	TM6SF2 (1.3)
YIPF2 (1.7)	UBXN4 (1.6)
MAMSTR (1.3)	ENSG00000226806 (1
SORT1 (1.5)	CLPTM1 (1.3)
PBX4 (1.7)	ENSG00000226622 (1

TXNL4B (1.6)	CELSR2 (1.6)
CEP250 (1.4)	TXNL4B (1.4)
ATP13A1 (1.4)	GATAD2A (1.4)
ZNF821 (1.6)	PLCG1 (1.5)
PVRL2 (1.9)	GATAD2A (1.7)
PMFBP1 (1.6)	PVRL2 (1.5)
LPIN3 (1.9)	ERGIC3 (1.9)
FUT1 (1.3)	TM6SF2 (1.3)
UBXN4 (1.7)	NUP93 (1.7)
MAP3K4 (1.7)	ABCA6 (1.6)
SMARCA4 (2.0)	TOP1 (2.0)
POC5 (1.6)	ATXN7L2 (1.5)
SNX17 (1.6)	ABCG8 (1.5)
SNX17 (1.7)	NPEPPS (1.6)
GSTM4 (1.7)	OTX1 (1.7)
OTX1 (1.8)	GOT2P1 (1.7)
CETP (1.3)	SNX17 (1.3)
COL4A3BP (1.0)	POC5 (0.9)
DHODH (1.6)	IFT172 (1.6)
MAP3K4 (1.4)	BUD13 (1.4)
MAP3K4 (1.4)	BUD13 (1.4)
ATXN7L2 (1.5)	TBKBP1 (1.4)
ENSG00000254235 (1	ENSG00000182329 (1
PARP10 (1.5)	POC5 (1.5)
PMFBP1 (1.2)	COL4A3BP (1.2)
TBKBP1 (1.6)	RASIP1 (1.6)
KANK2 (1.6)	PSRC1 (1.5)
PMFBP1 (1.7)	KRTCAP3 (1.6)
CETP (1.4)	IFT172 (1.4)
ENSG00000254235 (1	GPR61 (1.5)
GRINA (1.2)	YSK4 (1.2)
ABCA5 (1.3)	GMIP (1.3)
FNDC4 (1.2)	CLPTM1 (1.1)
UBXN4 (2.1)	SARS (1.9)
UBXN4 (2.1)	SARS (1.9)
RAB3GAP1 (1.7)	MAU2 (1.6)
PPM1G (1.3)	POLK (1.3)
ABO (1.5)	ZNF259 (1.4)
DOCK6 (1.9)	GATAD2A (1.8)
IST1 (1.8)	ENSG00000226806 (1
PPM1G (1.6)	CEP250 (1.6)
CYP26A1 (1.7)	DOCK7 (1.6)
HNF4A (1.5)	ABCA6 (1.5)
ERGIC3 (2.0)	MAU2 (2.0)
ERGIC3 (2.0)	MAU2 (2.0)
SUMO1 (1.6)	IZUMO1 (1.4)
SUMO1 (1.6)	IZUMO1 (1.4)
GPAM (1.9)	FNDC4 (1.9)
ENSG00000236436 (1	HNF1A (1.5)
IST1 (1.9)	UBXN4 (1.9)

GRINA (1.5)	FGF21 (1.5)
C12orf43 (1.6)	ZNF821 (1.6)
PLCG1 (1.7)	TXNL4B (1.7)
NOP58 (1.1)	IFT172 (1.0)
RASIP1 (1.5)	C11orf9 (1.5)
MAP3K4 (1.7)	PVRL2 (1.7)
MAU2 (1.6)	USP24 (1.5)
ABCA5 (1.6)	LPL (1.5)
APOE (1.6)	RAB3GAP1 (1.6)
BMPR2 (1.6)	ZHX3 (1.5)
GDF5 (2.1)	LPIN3 (2.0)
SPATC1 (1.1)	GPAM (1.1)
NRBP1 (1.8)	SUGP1 (1.7)
NRBP1 (2.0)	SMARCA4 (1.8)
NRBP1 (1.9)	TRIB1 (1.9)
C19orf52 (1.7)	RAB3GAP1 (1.6)
AMIGO1 (1.4)	MAFB (1.3)
CLPTM1 (1.4)	ZNF513 (1.3)
GSTM5 (1.6)	MAMSTR (1.5)
SORT1 (1.7)	SLC22A3 (1.6)
RAB3GAP1 (1.5)	TSSK6 (1.4)
FUT2 (1.7)	YIPF2 (1.7)
TOMM40 (1.9)	GNAI3 (1.9)
NFE2L3 (1.7)	PLEC (1.7)
HAPLN4 (1.8)	ZHX3 (1.7)
EHBP1 (1.8)	ATXN7L2 (1.6)
ENSG00000226622 (1	GPR61 (1.1)
ENSG00000226645 (1	IZUMO1 (1.7)
ZNF821 (1.5)	KANK2 (1.5)
SPATC1 (1.5)	GSTM5 (1.4)
IGF2R (1.8)	FUT1 (1.6)
NUP93 (2.0)	MAMSTR (1.9)
LDLR (1.5)	ABCA6 (1.5)
PBX4 (1.5)	ATXN1L (1.4)
CBLC (1.4)	PMFBP1 (1.4)
ENSG00000235545 (1	SLC22A3 (1.1)
SUMO1 (1.6)	BUD13 (1.6)
FER1L4 (0.9)	KRTCAP3 (0.8)
IST1 (1.5)	GRINA (1.4)
DNAH11 (1.3)	KPNB1 (1.2)
PARP10 (1.9)	ENSG00000228044 (1
CILP2 (1.2)	PGS1 (1.2)
ABCG8 (1.6)	HAPLN4 (1.5)
PVR (1.7)	TM6SF2 (1.5)
CETP (1.8)	KANK2 (1.6)
RASIP1 (1.6)	PVRL2 (1.6)
DNAH11 (1.9)	LCT (1.8)
CEP250 (1.6)	SPATC1 (1.5)
KRTCAP3 (1.8)	TRIB1 (1.6)
ZNF259 (2.1)	HAVCR1 (2.0)

ENSG00000226648 (1	ATXN1L (1.6)
ENSG00000226648 (1	ABO (1.6)
POLK (1.9)	PSMA5 (1.8)
ATP13A1 (1.8)	FEN1 (1.7)
DOCK7 (1.5)	SORT1 (1.4)
NOP58 (1.4)	MAP3K4 (1.2)
DNAH11 (1.7)	BMPR2 (1.5)
ENSG00000236267 (1	CETP (1.5)
MAMSTR (1.7)	GCKR (1.7)
AMPD2 (1.5)	R3HDM1 (1.5)
FADS1 (1.7)	ABCA1 (1.6)
ABCA1 (1.6)	PLCG1 (1.4)
ABO (1.5)	SUMO1 (1.5)
SLC22A2 (1.2)	SUMO1 (1.1)
HAVCR1 (1.4)	C17orf57 (1.3)
TSSK6 (1.3)	DNAH11 (1.3)
PGS1 (1.9)	MAP3K4 (1.9)
LPAR2 (1.8)	PVRL2 (1.7)
GNAI3 (1.4)	KPNB1 (1.3)
GNAI3 (1.4)	KPNB1 (1.3)
HAPLN4 (2.0)	GPAM (1.7)
MCM6 (1.9)	GSTM4 (1.8)
FGF21 (1.5)	DARS (1.4)
APOE (1.4)	DOCK6 (1.3)
PLEC (1.9)	NPEPPS (1.8)
LPL (2.0)	ABCA5 (1.9)
DHX38 (1.6)	TXNL4B (1.6)
GSTM5 (1.5)	SPATC1 (1.4)
GSTM5 (1.5)	SPATC1 (1.4)
MAMSTR (1.7)	IGF2R (1.4)
LPL (1.1)	GPAM (1.0)
SLC44A2 (1.6)	PCSK9 (1.6)
FGF21 (1.8)	PLEC (1.8)
C17orf57 (1.5)	BMPR2 (1.4)
ATXN1L (1.5)	PLEC (1.5)
LPIN3 (1.7)	ZNF821 (1.6)
ATXN1L (1.5)	ENSG00000226648 (1
GPR61 (1.6)	SUMO1 (1.5)
HAVCR1 (1.3)	APOE (1.3)
ABCA5 (1.6)	SORT1 (1.5)
KRTCAP3 (1.4)	APOE (1.3)
ENSG00000226622 (1	PMFBP1 (1.5)
PSMA5 (1.9)	POC5 (1.9)
MYLIP (1.4)	KANK2 (1.4)
PPM1G (1.8)	ENSG00000228044 (1
USP1 (2.2)	R3HDM1 (2.1)
ENSG00000231204 (1	GATAD2A (1.5)
ENSG00000235545 (2	ENSG00000182329 (2
ZNF821 (1.7)	GSTM5 (1.7)
PLCG1 (1.6)	ABO (1.6)

LPIN3 (1.6)	PCSK9 (1.5)
CLPTM1 (2.1)	NPEPPS (2.1)
LPIN3 (1.7)	CARM1 (1.7)
CYP26A1 (1.4)	ATXN1L (1.3)
MYLIP (1.3)	CYP26A1 (1.2)
KANK2 (1.7)	FNDC4 (1.7)
CLPTM1 (1.6)	TXNL4B (1.6)
PPM1G (2.1)	CEP250 (1.4)
CARM1 (1.5)	LPIN3 (1.5)
POC5 (1.2)	ENSG00000182329 (1
POC5 (1.2)	ENSG00000182329 (1
FER1L4 (1.3)	IGF2R (1.3)
DOCK7 (2.1)	ATP13A1 (1.9)
SLC22A3 (1.9)	OBP2B (1.8)
LPIN3 (1.7)	TRIM54 (1.6)
OASL (1.3)	CBLC (1.2)
DOCK6 (1.6)	TRAM2 (1.5)
NPEPPS (1.5)	IST1 (1.4)
FUT1 (1.6)	TXNL4B (1.6)
PBX4 (1.6)	OBP2B (1.5)
TOMM40 (2.0)	KPNB1 (2.0)
ATXN7L2 (1.6)	SMARCA4 (1.5)
SARS (1.6)	SNX17 (1.6)
KANK2 (1.5)	PMFBP1 (1.3)
LPAL2 (1.3)	AMPD2 (1.2)
NRBP1 (1.3)	TOP1 (1.3)
MAU2 (2.0)	PSRC1 (1.9)
KRTCAP3 (1.5)	CYP26A1 (1.5)
DNAH11 (2.0)	GSTM5 (2.0)
PSRC1 (1.1)	APOA5 (1.1)
C11orf9 (1.6)	SPATC1 (1.6)
C12orf43 (1.7)	POLK (1.7)
USP24 (1.8)	NRBP1 (1.6)
SYPL2 (1.7)	FER1L4 (1.5)
OBP2B (1.4)	GNAT2 (1.4)
LPAR2 (1.7)	ZNF513 (1.7)
DOCK7 (1.7)	ENSG00000256731 (1
ENSG00000226645 (1	DNAH11 (1.2)
CEP250 (1.6)	ENSG00000235545 (1
ENSG00000235545 (1	SLC22A3 (1.5)
MCM6 (1.9)	ZNF259 (1.9)
KPNB1 (1.8)	MAP3K4 (1.5)
GOT2P1 (1.4)	LPL (1.3)
CYB561D1 (2.0)	IZUMO1 (1.9)
SLC22A3 (1.4)	ATP13A1 (1.4)
ST3GAL4 (1.9)	FER1L4 (1.8)
POC5 (1.8)	TXNL4B (1.7)
ST3GAL4 (1.1)	RASIP1 (1.0)
SYPL2 (1.4)	IGF2R (1.4)
ST3GAL4 (1.6)	AMPD2 (1.5)

ENSG00000254235 (1	DOCK7 (1.7)
ENSG00000244861 (1	GPR61 (1.2)
ENSG00000244861 (1	GPR61 (1.2)
ERGIC3 (1.4)	DARS (1.3)
IGF2R (1.5)	CARM1 (1.4)
IGF2R (1.5)	CARM1 (1.4)
IFT172 (2.0)	DHX38 (1.9)
GNAI3 (2.0)	MAFB (1.9)
KPNB1 (1.5)	ZNF259 (1.5)
SLC22A3 (1.8)	DNAH11 (1.5)
DOCK6 (1.7)	PLEC (1.6)
DOCK6 (1.7)	PLEC (1.6)
SUGP1 (1.7)	MAU2 (1.7)
SNX17 (1.6)	FUT1 (1.4)
FER1L4 (2.4)	NUP93 (2.2)
PLCG1 (1.4)	CELSR2 (1.3)
MAFB (1.4)	HNF4A (1.3)
ERGIC3 (1.8)	KRTCAP3 (1.7)
MYLIP (1.6)	MAFB (1.5)
MAU2 (1.5)	C19orf52 (1.3)
SLC22A3 (1.5)	ENSG00000244861 (1
IGF2R (1.6)	MAU2 (1.6)
OTX1 (1.5)	ABCA6 (1.4)
PLEC (1.8)	TBKBP1 (1.8)
PLEC (1.8)	TBKBP1 (1.8)
GNAT2 (1.7)	ZHX3 (1.7)
ENSG00000236436 (1	KANK2 (1.9)
TRAM2 (1.5)	MYLIP (1.4)
PMFBP1 (1.3)	ENSG00000182329 (1
BUD13 (1.8)	ENSG00000226645 (1
ENSG00000226806 (1	C11orf9 (1.4)
IGF2R (1.4)	ENSG00000231204 (1
ENSG00000235545 (1	TOP1 (1.2)
IGF2R (1.7)	ZHX3 (1.7)
USP1 (1.4)	GSTM5 (1.4)
PLEC (1.8)	EHBP1 (1.7)
SPATC1 (1.5)	OBP2B (1.4)
CBLC (1.5)	TIMD4 (1.5)
NFE2L3 (1.2)	SARS (1.2)
COL4A3BP (1.4)	TIMD4 (1.4)
COL4A3BP (1.4)	TIMD4 (1.4)
ENSG00000226645 (1	MAP3K4 (1.9)
ZNF821 (1.5)	ZHX3 (1.4)
ENSG00000228044 (1	SLC22A3 (1.1)
MAP3K4 (1.6)	EHBP1 (1.5)
CETP (1.3)	POLK (1.3)
KRTCAP3 (1.3)	ATXN7L2 (1.3)
ZNF821 (1.5)	GNAI3 (1.5)
YSK4 (1.2)	ATXN7L2 (1.2)
IST1 (2.4)	PPM1G (2.2)

PARP10 (1.1)	PGS1 (1.1)
FUT2 (1.3)	SUMO1 (1.2)
NRBP1 (1.8)	ENSG00000236436 (1
TM6SF2 (1.7)	ABCA5 (1.6)
TM6SF2 (1.6)	CILP2 (1.6)
NRBP1 (1.6)	CEP250 (1.2)
ENSG00000244861 (1	ATXN7L2 (1.3)
ENSG00000236267 (1	CEP250 (1.3)
ENSG00000236267 (1	CEP250 (1.3)
ENSG00000236267 (1	CEP250 (1.3)
DARS (2.1)	PPM1G (2.1)
GDF5 (1.8)	NRBP1 (1.7)
POLK (1.6)	ENSG00000226622 (1
GOT2P1 (1.8)	CYB561D1 (1.6)
YIPF2 (1.7)	GCKR (1.7)
OBP2B (1.4)	ABO (1.4)
CLPTM1 (1.2)	NFE2L3 (1.2)
PVRL2 (1.5)	BMPR2 (1.5)
KPNB1 (1.7)	PSRC1 (1.6)
TSSK6 (1.7)	LPIN3 (1.7)
ENSG00000226806 (1	GATAD2A (1.8)
PMFBP1 (1.5)	LPIN3 (1.3)
LPAL2 (1.6)	FUT2 (1.5)
HNF4A (1.8)	ATXN7L2 (1.5)
LPAR2 (1.6)	MYLIP (1.4)
SMARCA4 (1.6)	NPEPPS (1.5)
TRIM54 (1.3)	CBLC (1.3)
TBKBP1 (1.4)	CARM1 (1.3)
SNX17 (1.9)	TOP1 (1.8)
GOT2P1 (1.6)	KPNB1 (1.6)
KRTCAP3 (1.7)	PMFBP1 (1.7)
ST3GAL4 (1.5)	PLEC (1.4)
GMIP (1.7)	NRBP1 (1.7)
NOP58 (1.8)	PGS1 (1.6)
ATXN7L2 (1.5)	MYLIP (1.5)
ABO (1.5)	ATXN7L2 (1.5)
MAFB (1.4)	CETP (1.2)
NFE2L3 (1.3)	DOCK7 (1.3)
ENSG00000228044 (1	AMIGO1 (1.4)
DHX38 (1.5)	ENSG00000226622 (1
CELSR2 (1.9)	GRINA (1.8)
MAFB (1.7)	ZHX3 (1.6)
C19orf52 (1.4)	PSRC1 (1.4)
TSSK6 (1.4)	R3HDM1 (1.3)
ZNF259 (1.4)	ABCG8 (1.3)
APOC1 (1.4)	POLK (1.4)
SYPL2 (1.5)	IGF2R (1.5)
ATP13A1 (1.6)	NRBP1 (1.5)
ENSG00000182329 (1	PBX4 (1.1)
GNAT2 (1.4)	APOB (1.4)

ZNF259 (1.4)	HNF1A (1.3)
CILP2 (1.4)	AMPD2 (1.4)
CLPTM1 (1.6)	GSTM4 (1.4)
CLPTM1 (1.7)	NPEPPS (1.5)
ENSG00000244861 (2	ATP13A1 (1.9)
CBLC (1.1)	POLK (1.0)
ERGIC3 (1.7)	NRBP1 (1.6)
BCAM (1.7)	CYP26A1 (1.5)
FUT1 (1.5)	IFT172 (1.5)
DHX38 (1.7)	BMPR2 (1.6)
FER1L4 (1.4)	AMPD2 (1.2)
BMPR2 (1.8)	ENSG00000235545 (1
MAP3K4 (1.7)	DARS (1.7)
MAP3K4 (1.7)	DARS (1.7)
ENSG00000226622 (1	TBKBP1 (1.4)
ABO (1.8)	LIPG (1.7)
GNAT2 (1.6)	SPATC1 (1.6)
GATAD2A (1.6)	GSTM5 (1.6)
NYNRIN (1.5)	NFE2L3 (1.3)
SMARCA4 (1.7)	ZRANB3 (1.6)
FER1L4 (1.1)	GPR61 (1.0)
GMIP (1.5)	CETP (1.5)
IGF2R (1.3)	ZHX3 (1.3)
IGF2R (1.3)	ZHX3 (1.3)
C19orf52 (1.6)	NCAN (1.5)
ENSG00000226622 (1	NRBP1 (1.7)
BMPR2 (1.7)	PVR (1.6)
TXNL4B (1.7)	ABO (1.5)
TXNL4B (1.7)	ABO (1.5)
DHX38 (1.7)	NUP93 (1.5)
TRIB1 (1.6)	BUD13 (1.6)
LPAL2 (1.4)	PMFBP1 (1.4)
ENSG00000256731 (1	MAFB (1.3)
NRBP1 (1.6)	FGF21 (1.6)
C19orf80 (1.2)	FNDC4 (1.2)
ENSG00000254235 (1	SLC44A2 (1.2)
APOA4 (1.8)	APOC3 (1.7)
IST1 (2.0)	SNX17 (2.0)
NRBP1 (1.7)	DARS (1.7)
ENSG00000228044 (1	LPIN3 (1.7)
NUP93 (2.0)	TOP1 (1.9)
NUP93 (2.0)	TOP1 (1.9)
C17orf57 (1.6)	LPL (1.5)
TSSK6 (1.8)	ABCA5 (1.7)
TSSK6 (1.8)	ABCA5 (1.7)
ENSG00000226806 (1	DNAH11 (1.2)
MAMSTR (1.5)	ENSG00000231204 (1
CEP250 (1.6)	ABCA6 (1.6)
PCSK9 (1.3)	GPR61 (1.3)
APOA4 (1.7)	AMIGO1 (1.7)

LPAL2 (1.3)	SUMO1 (1.3)
HAPLN4 (1.4)	PSRC1 (1.4)
NUP93 (1.6)	LPIN3 (1.6)
NUP93 (1.6)	LPIN3 (1.6)
MCM6 (1.7)	DOCK6 (1.6)
SUGP1 (1.6)	PLEC (1.6)
ENSG00000231204 (1	PCSK9 (1.2)
GSTM5 (1.7)	ENSG00000226648 (1
CEP250 (1.5)	MAP3K4 (1.3)
CELSR2 (1.5)	GOT2P1 (1.5)
ENSG00000182329 (2	ENSG00000235545 (2
EHBP1 (1.7)	FGF21 (1.7)
C17orf57 (1.5)	SUMO1 (1.4)
ENSG00000236267 (1	GATAD2A (1.3)
TXNL4B (1.7)	ABCA6 (1.7)
USP24 (1.6)	IZUMO1 (1.5)
C11orf9 (1.6)	OBP2B (1.6)
DOCK7 (1.8)	ZHX3 (1.6)
SUMO1 (1.4)	IGF2R (1.4)
SLC44A2 (1.8)	BUD13 (1.7)
BUD13 (1.6)	NFE2L3 (1.6)
PARP10 (1.7)	FER1L4 (1.6)
GSTM5 (1.3)	FUT2 (1.3)
IFT172 (2.3)	SMARCA4 (2.2)
POLK (1.8)	NYNRIN (1.7)
DOCK6 (2.1)	PLEC (2.1)
ST3GAL4 (1.4)	MAFB (1.2)
TRIM54 (1.5)	DOCK6 (1.5)
GPAM (1.7)	TM6SF2 (1.6)
GSTM5 (1.6)	ENSG00000236436 (1
TSSK6 (1.6)	ZNF513 (1.6)
USP24 (1.4)	MAFB (1.4)
FADS2 (1.8)	FUT2 (1.8)
HP (1.3)	TSSK6 (1.2)
CELSR2 (1.6)	PSRC1 (1.6)
SLC22A3 (1.2)	SLC22A2 (1.2)
SLC22A3 (1.2)	SLC22A2 (1.2)
IZUMO1 (1.2)	LPL (1.1)
KPNB1 (1.5)	DARS (1.4)
GMIP (1.5)	ABO (1.5)
ENSG00000182329 (1	GDF5 (1.3)
ABCG5 (1.6)	PMFBP1 (1.6)
IFT172 (1.8)	NPEPPS (1.7)
PPM1G (2.4)	MCM6 (1.6)
DARS (1.8)	ATP13A1 (1.7)
NYNRIN (1.2)	PARP10 (1.1)
PLEC (1.5)	PBX4 (1.4)
KRTCAP3 (1.4)	NYNRIN (1.4)
PSRC1 (1.9)	FADS1 (1.8)
POLK (2.1)	SORT1 (1.9)

NYNRIN (1.8)	GDF5 (1.7)
BMPR2 (1.5)	ENSG00000256731 (1
ENSG00000226645 (1	NUP93 (1.6)
PSMA5 (1.7)	SUGP1 (1.6)
ATP13A1 (1.6)	GSTM4 (1.6)
SLC22A3 (1.6)	NFE2L3 (1.6)
LPIN3 (1.5)	CELSR2 (1.4)
OBP2B (1.6)	ENSG00000236436 (1
SUMO1 (1.7)	ABO (1.6)
BCAM (2.2)	PLEC (2.1)
LPAR2 (1.5)	PLG (1.5)
PPM1G (1.7)	IST1 (1.7)
KPNB1 (2.1)	R3HDM1 (1.9)
SLC44A2 (1.6)	PGS1 (1.5)
GOT2P1 (1.3)	C12orf43 (1.3)
TIMD4 (1.5)	NFE2L3 (1.4)
GPR61 (1.5)	MAU2 (1.5)
LCT (1.7)	EHBP1 (1.6)
BUD13 (2.1)	PPM1G (1.9)
ATXN7L2 (1.6)	SLC22A3 (1.6)
C17orf57 (1.7)	SUMO1 (1.6)
ZNF821 (1.7)	R3HDM1 (1.6)
PVRL2 (1.7)	GDF5 (1.5)
DOCK6 (1.5)	ZNF821 (1.4)
ZNF821 (1.2)	FNDC4 (1.1)
ABCA5 (1.4)	TBKBP1 (1.4)
POC5 (1.7)	BMPR2 (1.7)
PCSK9 (1.5)	PBX4 (1.5)
DNAH11 (1.7)	PVR (1.6)
KPNB1 (1.6)	ATXN1L (1.6)
LPAL2 (1.5)	RAB3GAP1 (1.4)
NYNRIN (1.8)	HNF1A (1.5)
ZRANB3 (1.6)	POC5 (1.5)
SORT1 (1.3)	SUGP1 (1.3)
GNAI3 (1.5)	SNX17 (1.4)
SUMO1 (2.0)	SARS (2.0)
CILP2 (1.5)	CYB561D1 (1.4)
NRBP1 (1.8)	ABCA6 (1.8)
PLCG1 (1.9)	FNDC4 (1.9)
ABCG5 (1.8)	R3HDM1 (1.7)
C17orf57 (1.8)	ATP13A1 (1.6)
POC5 (2.1)	BMPR2 (1.9)
GNAI3 (1.8)	LPIN3 (1.7)
ENSG00000236267 (1	NFE2L3 (1.3)
ENSG00000182329 (1	TRIM54 (1.6)
CYP26A1 (1.5)	TRIM54 (1.4)
MAP3K4 (1.6)	BUD13 (1.5)
MAFB (1.3)	GDF5 (1.3)
ST3GAL4 (1.7)	GCKR (1.6)
ENSG00000231204 (1	DNAH11 (1.5)

SLC22A3 (1.6)	MAFB (1.6)
IST1 (1.4)	ENSG00000226645 (1
IGF2R (1.5)	RAB3GAP1 (1.4)
TSSK6 (1.5)	LPIN3 (1.5)
DHX38 (1.4)	ENSG00000226622 (1
DHX38 (1.4)	ENSG00000226622 (1
APOE (1.5)	ENSG00000256731 (1
MCM6 (1.5)	GRINA (1.5)
HAVCR1 (1.9)	R3HDM1 (1.8)
ZNF513 (1.7)	C19orf52 (1.7)
PARP10 (1.1)	SLC22A1 (1.1)
PBX4 (1.4)	LPIN3 (1.4)
CARM1 (1.6)	DOCK6 (1.6)
MYLIP (1.6)	LPAL2 (1.6)
TOMM40 (2.2)	USP1 (2.2)
AMIGO1 (1.6)	PGS1 (1.6)
C12orf43 (1.4)	GATAD2A (1.4)
SARS (1.8)	IZUMO1 (1.7)
SUGP1 (2.1)	DARS (1.9)
TRIB1 (1.5)	CYB561D1 (1.2)
CLPTM1 (1.6)	ERGIC3 (1.6)
SUMO1 (2.1)	ENSG00000226648 (2
ENSG00000231204 (1	LCT (1.3)
APOE (1.5)	AMIGO1 (1.4)
MAP3K4 (1.4)	DOCK7 (1.4)
FGF21 (1.5)	GPAM (1.5)
LIPG (1.0)	CEP250 (1.0)
C19orf52 (1.6)	ZHX3 (1.5)
NCAN (1.7)	PLCG1 (1.7)
NFE2L3 (1.5)	ZNF513 (1.5)
POLK (1.3)	DNAH11 (1.3)
DOCK7 (1.6)	ENSG00000244861 (1
DOCK7 (1.6)	ENSG00000244861 (1
RAB3GAP1 (1.3)	APOC1 (1.2)
FNDC4 (1.5)	MYLIP (1.4)
USP24 (1.7)	ENSG00000231204 (1
RP1 (2.0)	SPATC1 (1.8)
FUT2 (1.3)	GSTM5 (1.3)
ENSG00000244861 (1	NUP93 (1.7)
BCAM (1.5)	TOMM40 (1.5)
LPAR2 (1.7)	PLCG1 (1.6)
ATXN7L2 (1.9)	ZNF513 (1.9)
C12orf43 (2.0)	ERGIC3 (1.7)
CEP250 (1.4)	LPIN3 (1.2)
PARP10 (1.5)	NYNRIN (1.3)
TXNL4B (1.7)	LDLR (1.6)
ATXN1L (1.4)	CILP2 (1.4)
RAB3GAP1 (1.5)	GOT2P1 (1.5)
PGS1 (1.2)	COL4A3BP (1.2)
PPM1G (1.5)	ENSG00000244861 (1

DARS (2.3)	TOP1 (1.9)
IZUMO1 (1.0)	ENSG00000254235 (1
TBKBP1 (1.9)	GRINA (1.9)
LPAR2 (1.5)	OBP2B (1.5)
R3HDM1 (1.6)	CARM1 (1.5)
ST3GAL4 (1.3)	ABCA6 (1.2)
RASIP1 (1.7)	USP24 (1.4)
ATP13A1 (1.5)	TXNL4B (1.5)
C17orf57 (1.8)	KPNB1 (1.8)
GPR61 (1.7)	SORT1 (1.5)
KPNB1 (1.9)	MAMSTR (1.9)
SLC44A2 (1.6)	YSK4 (1.6)
FEN1 (1.3)	PBX4 (1.2)
SNX17 (1.7)	IST1 (1.6)
ZNF513 (1.6)	TRIB1 (1.6)
PGS1 (1.5)	SMARCA4 (1.5)
FUT2 (1.5)	NPEPPS (1.5)
DOCK6 (1.4)	SLC22A2 (1.4)
RAB3GAP1 (1.4)	POLK (1.2)
HAPLN4 (1.6)	ATXN7L2 (1.6)
FGF21 (1.5)	LPIN3 (1.4)
USP24 (1.7)	TIMD4 (1.7)
CLPTM1 (1.6)	LPIN3 (1.5)
PBX4 (2.1)	AMIGO1 (1.8)
ENSG00000254235 (1	BUD13 (1.3)
LPIN3 (1.4)	LPA (1.3)
CEP250 (1.5)	LPAL2 (1.5)
FADS2 (2.1)	SORT1 (1.8)
POC5 (1.9)	TRIB1 (1.7)
FUT1 (1.5)	MYLIP (1.5)
GNAI3 (1.6)	PVR (1.6)
ENSG00000231204 (1	PLCG1 (1.2)
LPL (1.6)	PMFBP1 (1.4)
PMFBP1 (1.7)	GATAD2A (1.6)
NUP93 (1.6)	IST1 (1.6)
FUT1 (0.9)	TRAM2 (0.9)
SUMO1 (1.5)	TXNL4B (1.5)
C17orf57 (1.5)	NYNRIN (1.4)
ENSG00000235545 (1	AMIGO1 (1.2)
OBP2B (1.9)	ENSG00000244861 (1
NOP58 (1.8)	ENSG00000235545 (1
LPAL2 (1.3)	GMIP (1.2)
LCT (1.6)	KANK2 (1.5)
AMPD2 (1.8)	DHX38 (1.6)
AMPD2 (1.8)	DHX38 (1.6)
DARS (2.0)	DHX38 (2.0)
ATP13A1 (1.7)	YIPF2 (1.6)
BUD13 (1.5)	LPA (1.4)
POC5 (1.4)	ATXN1L (1.4)
MAU2 (1.5)	ENSG00000226645 (1

TBKBP1 (1.4)	FER1L4 (1.3)
ABCG5 (1.5)	APOA4 (1.3)
ZHX3 (1.5)	TSSK6 (1.5)
NRBP1 (1.7)	ENSG00000226622 (1
PBX4 (1.6)	POC5 (1.4)
TOMM40 (1.7)	C19orf52 (1.6)
BMPR2 (1.7)	ENSG00000226648 (1
ENSG00000182329 (1	CYB561D1 (1.6)
NYNRIN (1.8)	DOCK7 (1.6)
DHODH (1.5)	POLK (1.5)
NUP93 (1.7)	ENSG00000231204 (1
GSTM5 (1.7)	ENSG00000226622 (1
C11orf9 (1.8)	PBX4 (1.7)
AMIGO1 (1.9)	CLPTM1 (1.7)
NPEPPS (1.4)	ABO (1.2)
USP1 (1.5)	FER1L4 (1.4)
CBLC (1.8)	FUT1 (1.7)
SORT1 (1.6)	SNX17 (1.5)
LPAL2 (1.3)	CETP (1.3)
C12orf43 (1.6)	FGF21 (1.4)
ZNF513 (1.5)	GPR61 (1.4)
FEN1 (1.6)	SMARCA4 (1.5)
ZHX3 (1.5)	FUT2 (1.4)
GATAD2A (1.4)	DNAH11 (1.4)
RAB3GAP1 (1.7)	ENSG00000254235 (1
C19orf52 (1.7)	KPNB1 (1.6)
MAMSTR (1.3)	ABCA6 (1.2)
DOCK7 (1.5)	GOT2P1 (1.5)
TOP1 (1.6)	USP1 (1.6)
GATAD2A (1.8)	YSK4 (1.8)
ENSG00000236436 (1	HNF1A (1.6)
DNAH11 (1.2)	MAFB (1.2)
MYLIP (1.3)	PPM1G (1.3)
PPM1G (1.9)	NOP58 (1.6)
CELSR2 (1.7)	DNAH11 (1.7)
CELSR2 (1.4)	USP24 (1.4)
OASL (1.9)	NOP58 (1.5)
KPNB1 (1.4)	ZNF821 (1.2)
NUP93 (1.6)	C19orf52 (1.6)
ENSG00000235545 (1	RAB3GAP1 (1.5)
NPEPPS (1.5)	TOP1 (1.4)
SLC22A2 (1.6)	BCAM (1.6)
ENSG00000254235 (1	HP (1.3)
AMIGO1 (1.5)	LPL (1.5)
YIPF2 (1.5)	SORT1 (1.5)
PMFBP1 (1.4)	LPAR2 (1.4)
SLC22A3 (1.4)	GMIP (1.3)
SLC22A3 (1.5)	GNAT2 (1.4)
SUMO1 (1.6)	ZNF821 (1.5)
SUMO1 (1.8)	PBX4 (1.7)

RAB3GAP1 (1.6)	SUGP1 (1.6)
GNAI3 (1.4)	GSTM4 (1.4)
ENSG00000236436 (1	DNAH11 (1.1)
AMPD2 (1.6)	PLCG1 (1.6)
ENSG00000231204 (1	C12orf43 (1.4)
PVR (1.7)	NOP58 (1.7)
SLC22A1 (1.6)	LPL (1.5)
ZNF821 (1.6)	TBKBP1 (1.6)
NFE2L3 (1.6)	DNAH11 (1.6)
FADS1 (1.3)	LPAL2 (1.3)
MAP3K4 (1.6)	PBX4 (1.6)
COL4A3BP (1.3)	HNF1A (1.2)
ENSG00000236436 (1	CARM1 (1.0)
PSRC1 (1.3)	OTX1 (1.2)
MAFB (1.5)	CBLC (1.5)
SLC22A3 (1.4)	MAMSTR (1.4)
CYB561D1 (1.4)	ZNF513 (1.3)
RASIP1 (1.8)	ABO (1.8)
ENSG00000235545 (1	ENSG00000228044 (1
TRAM2 (1.3)	HP (1.3)
NFE2L3 (1.6)	ENSG00000226806 (1
GPR61 (1.7)	ENSG00000236267 (1
RP1 (1.4)	C11orf9 (1.3)
GMIP (1.8)	ENSG00000236436 (1
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
PSRC1 (2.1)	NUP93 (1.9)
POLK (1.3)	C19orf52 (1.3)
LPIN3 (2.3)	FER1L4 (2.2)
ZHX3 (0.9)	LPIN3 (0.9)
NCAN (2.0)	GRINA (1.8)
MAU2 (1.8)	LPAR2 (1.8)
SUGP1 (1.6)	CEP250 (1.5)
LCT (1.9)	ABCA5 (1.8)
GSTM5 (1.5)	COL4A3BP (1.5)
ENSG00000244861 (2	CELSR2 (1.7)
TSSK6 (1.3)	SLC22A3 (1.2)
BUD13 (1.7)	C12orf43 (1.7)
ENSG00000244861 (1	ENSG00000226806 (1
KPNB1 (2.4)	DHODH (2.2)
RAB3GAP1 (1.8)	GMIP (1.8)
DNAH11 (1.3)	PARP10 (1.3)
TSSK6 (1.6)	C17orf57 (1.5)
ENSG00000254235 (1	CYB561D1 (1.6)

GPAM (1.5)	FADS2 (1.5)
TBKBP1 (1.8)	MAMSTR (1.6)
POC5 (1.6)	NFE2L3 (1.5)
PGS1 (1.1)	APOC1 (1.1)
RP1 (1.7)	BUD13 (1.7)
LIPC (1.3)	DOCK7 (1.3)
DHX38 (2.1)	DHODH (1.9)
MYLIP (1.5)	POLK (1.5)
FUT2 (1.0)	IGF2R (1.0)
ABCA5 (1.4)	BCAM (1.4)
EHBP1 (1.5)	ENSG00000235545 (1
RAB3GAP1 (1.3)	ATXN1L (1.2)
FGF21 (1.7)	OTX1 (1.6)
CLPTM1 (1.9)	SARS (1.6)
COL4A3BP (1.7)	PGS1 (1.7)
SPATC1 (1.7)	CETP (1.6)
ZNF513 (1.4)	TBKBP1 (1.4)
CETP (1.7)	POLK (1.7)
UBXN4 (1.5)	PMFBP1 (1.4)
SORT1 (1.5)	TXNL4B (1.5)
C19orf80 (1.3)	MAFB (1.3)
TRIM54 (1.3)	DARS (1.2)
CELSR2 (1.9)	AMPD2 (1.9)
SARS (1.9)	USP24 (1.8)
SARS (1.9)	USP24 (1.8)
DNAH11 (1.7)	ST3GAL4 (1.6)
ENSG00000226645 (1	DARS (1.9)
MAP3K4 (1.4)	KPNB1 (1.3)
MAU2 (1.8)	PSRC1 (1.7)
IZUMO1 (1.5)	ENSG00000236267 (1
SYPL2 (1.3)	RP1 (1.3)
TOP1 (1.8)	USP24 (1.8)
ATXN7L2 (1.3)	ZRANB3 (1.3)
PGS1 (2.1)	SARS (1.9)
ENSG00000226648 (1	POLK (1.8)
PSRC1 (1.7)	SARS (1.6)
GDF5 (1.5)	TRIM54 (1.1)
LCT (1.4)	PMFBP1 (1.4)
SLC22A2 (1.5)	ENSG00000228044 (1
IZUMO1 (1.2)	FER1L4 (1.1)
SLC44A2 (1.7)	NRBP1 (1.7)
FGF21 (1.6)	LIPG (1.4)
SPATC1 (1.4)	SLC44A2 (1.4)
SPATC1 (1.4)	SLC44A2 (1.4)
ENSG00000226622 (1	HNF1A (1.7)
YIPF2 (1.3)	GOT2P1 (1.3)
GSTM4 (1.3)	C19orf52 (1.1)
PLEC (1.7)	BMPR2 (1.7)
PCSK9 (1.7)	DOCK7 (1.6)
GNAI3 (1.4)	CBLC (1.4)

ABCG5 (1.6)	TIMD4 (1.5)
PVR (1.5)	PMFBP1 (1.5)
POC5 (2.1)	NUP93 (2.0)
ABO (1.5)	OBP2B (1.4)
DHX38 (2.0)	TXNL4B (1.9)
MAP3K4 (2.0)	ENSG00000182329 (1
GNAI3 (1.7)	ATXN7L2 (1.7)
ENSG00000226648 (1	FGF21 (1.1)
IST1 (1.4)	SLC22A2 (1.4)
C12orf43 (1.6)	PMFBP1 (1.5)
YSK4 (1.7)	DNAH11 (1.7)
DHODH (1.5)	PLG (1.4)
PPM1G (2.0)	POC5 (1.6)
ABCA5 (1.3)	LIPG (1.3)
ENSG00000254235 (1	SLC22A1 (1.2)
KANK2 (1.6)	MYLIP (1.6)
PLEC (1.5)	GDF5 (1.5)
BCAM (1.4)	CELSR2 (1.4)
MAFB (1.6)	ENSG00000236436 (1
GNAT2 (1.2)	NFE2L3 (1.1)
NOP58 (1.8)	SUGP1 (1.8)
ENSG00000256731 (1	SUMO1 (1.7)
IGF2R (1.4)	NFE2L3 (1.3)
CARM1 (1.7)	ABO (1.7)
NPEPPS (1.4)	ZNF821 (1.4)
NPEPPS (1.4)	ZNF821 (1.4)
IGF2R (1.5)	CARM1 (1.4)
IGF2R (1.5)	CARM1 (1.4)
SPATC1 (1.6)	HNF1A (1.4)
DOCK7 (1.6)	SLC44A2 (1.5)
TXNL4B (1.9)	SUGP1 (1.9)
TXNL4B (1.9)	SUGP1 (1.9)
USP24 (2.0)	COL4A3BP (1.9)
USP24 (1.7)	PLEC (1.7)
C17orf57 (1.2)	KRTCAP3 (1.1)
C11orf9 (1.6)	PVR (1.6)
ATXN1L (1.5)	DOCK6 (1.4)
DHX38 (1.4)	PGS1 (1.4)
ABO (1.5)	TSSK6 (1.4)
HNF1A (1.5)	FEN1 (1.4)
PMFBP1 (1.4)	TSSK6 (1.4)
ZHX3 (1.6)	LPIN3 (1.6)
TXNL4B (1.9)	NPEPPS (1.8)
C11orf9 (1.7)	ABCA6 (1.6)
MAFB (1.3)	ZNF513 (1.3)
KPNB1 (1.2)	MAP3K4 (1.2)
NUP93 (1.4)	DOCK7 (1.4)
FGF21 (1.2)	ENSG00000226806 (1
KPNB1 (1.9)	PSMA5 (1.8)
GRINA (2.0)	IGF2R (1.6)

ENSG00000226806 (1	SLC44A2 (1.5)
C11orf9 (1.5)	SLC22A2 (1.5)
CILP2 (1.6)	LCT (1.5)
SNX17 (1.6)	ENSG00000226645 (1
GMIP (1.7)	PBX4 (1.7)
RAB3GAP1 (2.0)	TOP1 (1.8)
ENSG00000226622 (1	PVR (1.7)
AMPD2 (1.7)	CEP250 (1.6)
NCAN (1.4)	LIPG (1.3)
SLC22A3 (1.9)	ENSG00000235545 (1
ENSG00000236267 (1	TOP1 (1.7)
IFT172 (1.4)	LPAL2 (1.4)
COL4A3BP (1.6)	MAP3K4 (1.5)
GMIP (1.2)	LPA (1.2)
GSTM4 (1.6)	IFT172 (1.6)
GSTM4 (1.6)	IFT172 (1.6)
IST1 (2.2)	ZNF513 (1.9)
AMIGO1 (1.5)	NRBP1 (1.5)
YIPF2 (1.8)	C12orf43 (1.6)
APOC3 (1.8)	GDF5 (1.8)
ATXN7L2 (1.5)	TOMM40 (1.4)
PLCG1 (1.5)	MAP3K4 (1.5)
ATXN7L2 (1.6)	PVR (1.3)
DHX38 (2.0)	USP24 (2.0)
GPR61 (1.5)	ENSG00000226622 (1
SUMO1 (1.8)	MAP3K4 (1.7)
SUGP1 (2.3)	MAU2 (2.2)
POLK (1.8)	PPM1G (1.8)
GSTM5 (1.9)	AMIGO1 (1.8)
SUMO1 (1.8)	ENSG00000256731 (1
C11orf9 (1.1)	LPL (1.1)
LCT (1.8)	ENSG00000256731 (1
LCT (1.8)	ENSG00000256731 (1
PBX4 (1.7)	TIMD4 (1.7)
GRINA (1.4)	CLPTM1 (1.4)
ENSG00000228044 (2	FER1L4 (1.6)
DHX38 (1.6)	CEP250 (1.6)
FER1L4 (1.9)	NCAN (1.9)
ENSG00000228044 (1	ENSG00000226648 (1
ENSG00000228044 (1	ENSG00000226648 (1
GNAI3 (1.8)	POLK (1.7)
AMPD2 (1.8)	DHODH (1.7)
C19orf80 (1.4)	LPL (1.4)
ZNF259 (1.7)	SNX17 (1.7)
ERGIC3 (1.6)	PCSK9 (1.6)
ZRANB3 (2.0)	BMPR2 (2.0)
MAMSTR (1.5)	SUMO1 (1.5)
NFE2L3 (1.5)	SLC22A3 (1.3)
LPAL2 (1.4)	TRIB1 (1.4)
IZUMO1 (1.5)	MYLIP (1.4)

BUD13 (2.1)	PSRC1 (1.7)
C19orf52 (2.0)	DARS (1.9)
MYLIP (1.5)	ATXN1L (1.4)
PCSK9 (1.3)	LCT (1.3)
IFT172 (1.8)	RAB3GAP1 (1.7)
PVRL2 (1.1)	IGF2R (1.0)
NPEPPS (1.5)	BCAM (1.5)
AMIGO1 (1.8)	MAMSTR (1.7)
SUMO1 (1.5)	NRBP1 (1.5)
TBKBP1 (1.4)	POC5 (1.3)
ATP13A1 (1.8)	PPM1G (1.8)
CBLC (1.8)	ST3GAL4 (1.8)
IGF2R (0.8)	C17orf57 (0.8)
DARS (1.9)	SUGP1 (1.9)
BUD13 (1.8)	UBXN4 (1.8)
TOMM40 (2.0)	BUD13 (1.9)
SLC44A2 (1.8)	PBX4 (1.7)
OBP2B (1.7)	ABCA5 (1.4)
GSTM5 (1.4)	PGS1 (1.3)
SUMO1 (1.2)	ZNF821 (1.0)
SUMO1 (1.2)	ZNF821 (1.0)
BUD13 (1.4)	ENSG00000231204 (1
C12orf43 (1.7)	SNX17 (1.6)
IST1 (1.1)	PVR (1.1)
POLK (1.4)	GMIP (1.3)
DHODH (1.6)	POC5 (1.6)
C12orf43 (1.7)	LPIN3 (1.5)
PSMA5 (1.9)	USP24 (1.8)
CBLC (1.5)	CETP (1.5)
CBLC (1.5)	CETP (1.5)
ENSG00000231204 (1	HAPLN4 (1.7)
FUT1 (1.2)	POLK (1.2)
KPNB1 (2.0)	ZRANB3 (1.9)
FADS1 (1.6)	GATAD2A (1.5)
TXNL4B (2.2)	DARS (2.0)
ATXN1L (1.1)	SPATC1 (1.1)
NUP93 (2.0)	SUMO1 (2.0)
MAP3K4 (1.6)	PBX4 (1.6)
PSRC1 (2.2)	NUP93 (1.8)
PSRC1 (2.2)	NUP93 (1.8)
KPNB1 (1.3)	NOP58 (1.2)
LPAL2 (1.8)	YSK4 (1.7)
NOP58 (2.1)	RAB3GAP1 (1.9)
NYNRIN (1.6)	MYLIP (1.4)
SYPL2 (1.4)	DNAH11 (1.3)
PLCG1 (1.7)	SMARCA4 (1.6)
TSSK6 (1.7)	YSK4 (1.3)
KPNB1 (1.6)	GATAD2A (1.6)
SPATC1 (1.4)	ABCA1 (1.4)
ENSG00000226806 (1	CLPTM1 (1.4)

LDLR (1.9)	PCSK9 (1.9)
PBX4 (1.8)	ENSG00000254235 (1
SMARCA4 (2.3)	MCM6 (2.1)
GSTM5 (1.8)	SNX17 (1.6)
GSTM5 (1.8)	SNX17 (1.6)
KPNB1 (1.2)	SUMO1 (1.2)
PVR (1.3)	MAMSTR (1.3)
ZNF259 (1.8)	ENSG00000226645 (1
BCAM (1.3)	ENSG00000228044 (1
FUT2 (1.6)	C12orf43 (1.4)
KANK2 (1.8)	GRINA (1.5)
ZNF821 (1.2)	MAP3K4 (1.2)
ABCA5 (0.6)	ENSG00000236267 (0
CARM1 (1.6)	GATAD2A (1.5)
LIPG (1.7)	BMPR2 (1.6)
ZHX3 (1.3)	LPAR2 (1.3)
RP1 (1.3)	ENSG00000226645 (1
CYB561D1 (1.4)	DNAH11 (1.4)
ATXN7L2 (1.5)	C11orf9 (1.5)
IST1 (1.7)	GOT2P1 (1.6)
POLK (1.6)	FNDC4 (1.6)
R3HDM1 (1.6)	OBP2B (1.5)
MAU2 (1.3)	LCT (1.3)
FADS1 (1.0)	ENSG00000226648 (1
AMIGO1 (1.9)	COL4A3BP (1.6)
USP24 (1.7)	DNAH11 (1.6)
GSTM5 (1.4)	CETP (1.4)
ST3GAL4 (1.5)	HP (1.4)
LPL (1.2)	SLC44A2 (1.2)
ENSG00000226806 (2	LPAR2 (1.8)
ZHX3 (1.7)	YSK4 (1.7)
TRIB1 (1.7)	HAVCR1 (1.7)
MAP3K4 (1.5)	RAB3GAP1 (1.4)
TSSK6 (1.4)	LPIN3 (1.4)
NOP58 (1.7)	RAB3GAP1 (1.7)
NOP58 (1.7)	RAB3GAP1 (1.7)
NOP58 (1.7)	RAB3GAP1 (1.7)
NOP58 (1.7)	RAB3GAP1 (1.7)
NOP58 (1.7)	RAB3GAP1 (1.7)
LPAR2 (1.8)	CARM1 (1.7)
C19orf52 (1.3)	HAVCR1 (1.2)
PBX4 (1.5)	ABCA6 (1.4)
FUT1 (1.6)	CYB561D1 (1.5)
ENSG00000231204 (1	GNAT2 (1.4)
DOCK7 (1.5)	CYP26A1 (1.5)
CEP250 (1.9)	FUT1 (1.8)
AMIGO1 (1.7)	ST3GAL4 (1.6)
AMIGO1 (1.7)	ST3GAL4 (1.6)
SUMO1 (1.5)	ENSG00000228044 (1
PLCG1 (2.0)	SUMO1 (1.8)

NPEPPS (1.8)	MYLIP (1.8)
DNAH11 (1.3)	PLCG1 (1.3)
ENSG00000228044 (1	ENSG00000226648 (1
ZNF821 (1.3)	USP24 (1.2)
FEN1 (1.8)	GRINA (1.8)
FADS1 (1.6)	ABCA5 (1.6)
IGF2R (1.7)	SYPL2 (1.6)
ENSG00000226648 (1	TBKBP1 (1.7)
PLEC (2.1)	CEP250 (1.7)
KANK2 (1.5)	TSSK6 (1.5)
OBP2B (1.5)	IZUMO1 (1.4)
SUGP1 (1.1)	GCKR (1.0)
ENSG00000182329 (1	ABCA5 (1.6)
KPNB1 (1.2)	DNAH11 (1.1)
ST3GAL4 (1.4)	ENSG00000226645 (1
CILP2 (1.3)	ZNF513 (1.2)
ABCA6 (1.4)	LDLR (1.4)
ABCA6 (1.4)	LDLR (1.4)
POC5 (1.4)	ST3GAL4 (1.3)
CEP250 (1.5)	KPNB1 (1.3)
KPNB1 (1.4)	DHODH (1.1)
CBLC (1.6)	HNF4A (1.6)
ABO (1.4)	GSTM4 (1.4)
BUD13 (2.0)	SMARCA4 (1.8)
C17orf57 (1.2)	NFE2L3 (1.2)
TXNL4B (1.7)	DARS (1.4)
TRIB1 (1.7)	SPATC1 (1.7)
ENSG00000236267 (1	YSK4 (1.3)
OBP2B (1.2)	FGF21 (1.0)
FUT2 (1.5)	ABCA6 (1.5)
NRBP1 (1.6)	KPNB1 (1.6)
SARS (2.2)	TOMM40 (2.2)
ZNF513 (1.7)	ATP13A1 (1.7)
FADS1 (1.8)	LIPC (1.8)
GNAI3 (1.5)	HAPLN4 (1.4)
RASIP1 (1.2)	TRIM54 (1.2)
RASIP1 (1.2)	TRIM54 (1.2)
RASIP1 (1.2)	TRIM54 (1.2)
TRAM2 (1.9)	GPAM (1.7)
MCM6 (2.1)	NUP93 (2.0)
ENSG00000256731 (1	TBKBP1 (1.6)
USP24 (1.8)	TOP1 (1.8)
DARS (1.3)	AMPD2 (1.3)
PVRL2 (1.9)	LPAR2 (1.8)
GMIP (1.6)	USP24 (1.6)
RAB3GAP1 (1.3)	MAP3K4 (1.0)
TOP1 (1.6)	BUD13 (1.6)
ENSG00000226622 (1	IGF2R (1.3)
NOP58 (1.5)	BUD13 (1.4)
GNAT2 (1.6)	FADS1 (1.6)

LCT (1.4)	ENSG00000228044 (1
SUMO1 (1.4)	NUP93 (1.4)
ABCA5 (1.4)	HAVCR1 (1.3)
GNAI3 (1.4)	CYB561D1 (1.4)
ENSG00000236267 (1	PGS1 (1.2)
SORT1 (1.6)	KRTCAP3 (1.6)
ENSG00000226622 (1	DNAH11 (1.5)
PMFBP1 (1.5)	ABCA5 (1.5)
HAPLN4 (1.5)	FADS1 (1.4)
GNAT2 (1.3)	TIMD4 (1.3)
GNAT2 (1.3)	TIMD4 (1.3)
GNAI3 (1.8)	ATXN1L (1.8)
NPEPPS (1.6)	FEN1 (1.4)
DOCK7 (1.8)	MAP3K4 (1.7)
DNAH11 (1.7)	ATXN1L (1.7)
LPIN3 (1.3)	ENSG00000182329 (1
ZNF513 (1.7)	EHBP1 (1.4)
BMPR2 (1.3)	FGF21 (1.3)
MAU2 (2.0)	ATP13A1 (2.0)
NUP93 (1.9)	DHX38 (1.5)
NUP93 (1.9)	DHX38 (1.5)
ABO (1.8)	AMIGO1 (1.7)
ENSG00000254235 (1	POLK (1.4)
ZNF821 (1.1)	RASIP1 (1.0)
CELSR2 (1.5)	NYNRIN (1.5)
GATAD2A (1.5)	ENSG00000231204 (1
ZNF513 (1.8)	PLCG1 (1.8)
FEN1 (1.7)	PSRC1 (1.6)
KANK2 (1.6)	MYLIP (1.6)
BCAM (1.6)	ATXN1L (1.5)
TOMM40 (1.7)	DARS (1.7)
LPA (1.6)	ENSG00000236267 (1
LPA (1.6)	ENSG00000236267 (1
USP24 (1.3)	BUD13 (1.3)
DARS (1.8)	IST1 (1.7)
ABCA5 (1.6)	GDF5 (1.6)
SUGP1 (2.0)	R3HDM1 (1.9)
DNAH11 (1.5)	TSSK6 (1.5)
CELSR2 (1.5)	CILP2 (1.5)
LPL (1.8)	DOCK6 (1.6)
ENSG00000231204 (1	PMFBP1 (1.3)
KRTCAP3 (1.4)	ENSG00000226648 (1
CYP26A1 (1.2)	ZHX3 (1.2)
ENSG00000236436 (1	CYP26A1 (1.7)
TRIB1 (1.5)	ENSG00000228044 (1
NUP93 (1.8)	USP1 (1.7)
MYLIP (1.4)	ENSG00000244861 (1
ENSG00000228044 (1	ENSG00000226648 (1
ENSG00000228044 (1	ENSG00000226648 (1
USP24 (2.0)	MAP3K4 (1.7)

ATP13A1 (1.7)	APOA4 (1.6)
RAB3GAP1 (1.3)	ENSG00000228044 (1
ENSG00000236267 (1	FADS2 (1.4)
PSRC1 (1.5)	PMFBP1 (1.5)
C17orf57 (1.8)	BMPR2 (1.5)
ENSG00000228044 (1	LPIN3 (1.5)
NCAN (1.6)	BMPR2 (1.6)
NPEPPS (1.5)	CETP (1.3)
ABCA1 (1.7)	MAFB (1.6)
AMIGO1 (1.5)	LPAL2 (1.5)
TSSK6 (1.6)	NRBP1 (1.4)
PGS1 (1.6)	NFE2L3 (1.5)
ENSG00000226622 (1	C19orf52 (1.7)
ERGIC3 (1.9)	FEN1 (1.8)
SMARCA4 (1.9)	DHODH (1.8)
SMARCA4 (1.9)	DHODH (1.8)
ENSG00000254235 (1	PARP10 (1.5)
OBP2B (1.1)	CYP26A1 (1.0)
NUP93 (1.5)	TRIB1 (1.4)
GSTM4 (1.9)	C17orf57 (1.8)
GSTM4 (1.9)	C17orf57 (1.8)
PLEC (1.3)	ENSG00000228044 (1
FNDC4 (1.4)	SYPL2 (1.3)
ENSG00000256731 (1	C17orf57 (1.2)
TBKBP1 (1.6)	CELSR2 (1.6)
TBKBP1 (1.6)	CELSR2 (1.6)
ENSG00000236436 (1	CYP26A1 (1.8)
UBXN4 (1.6)	COL4A3BP (1.5)
PMFBP1 (1.3)	GSTM5 (1.2)
FEN1 (1.8)	POLK (1.7)
FEN1 (1.8)	POLK (1.7)
RAB3GAP1 (1.9)	SMARCA4 (1.8)
GPR61 (1.2)	OBP2B (1.2)
NOP58 (1.6)	IFT172 (1.6)
DOCK6 (1.6)	SNX17 (1.5)
MAFB (1.9)	HMGCR (1.8)
ATP13A1 (1.7)	GNAI3 (1.7)
NCAN (1.5)	PARP10 (1.5)
GPR61 (1.8)	RP1 (1.8)
C17orf57 (1.2)	ENSG00000226645 (1
KRTCAP3 (1.8)	CBLC (1.7)
ENSG00000226645 (1	C17orf57 (1.4)
CELSR2 (1.9)	SMARCA4 (1.8)
ZHX3 (2.0)	ATXN7L2 (1.9)
R3HDM1 (1.8)	PSMA5 (1.8)
DOCK7 (1.2)	CYP26A1 (1.1)
TOP1 (1.8)	PPM1G (1.8)
POLK (1.5)	HAVCR1 (1.4)
PMFBP1 (1.5)	ABO (1.4)
DNAH11 (1.1)	PMFBP1 (1.1)

CELSR2 (1.5)	ABCA6 (1.5)
KRTCAP3 (1.5)	ERGIC3 (1.4)
KPNB1 (1.6)	ZNF821 (1.5)
CYP26A1 (1.2)	NYNRIN (1.2)
C17orf57 (1.6)	TRAM2 (1.5)
DHX38 (1.5)	NPEPPS (1.4)
GDF5 (1.3)	C12orf43 (1.2)
NCAN (1.5)	ENSG00000256731 (1
USP1 (1.4)	GPR61 (1.4)
LPAL2 (1.7)	ST3GAL4 (1.7)
FER1L4 (1.7)	SUMO1 (1.6)
SNX17 (1.7)	FNDC4 (1.7)
ENSG00000226645 (1	DOCK6 (1.5)
SORT1 (1.6)	GPR61 (1.5)
NUP93 (2.0)	SUGP1 (1.9)
ABCA5 (1.8)	RASIP1 (1.7)
TBKBP1 (1.9)	POLK (1.8)
TBKBP1 (1.9)	POLK (1.8)
IFT172 (1.6)	TXNL4B (1.5)
PBX4 (1.7)	LPL (1.6)
PVRL2 (1.4)	BCAM (1.4)
POC5 (1.1)	IZUMO1 (1.0)
ENSG00000228044 (1	PARP10 (1.6)
ENSG00000228044 (1	PARP10 (1.6)
ENSG00000228044 (1	PARP10 (1.6)
ATXN7L2 (1.9)	AMPD2 (1.9)
ATP13A1 (1.4)	SLC44A2 (1.4)
SLC44A2 (1.4)	ENSG00000236436 (1
BMPR2 (1.8)	EHBP1 (1.7)
MAP3K4 (1.2)	DHX38 (1.2)
FUT2 (1.5)	PVRL2 (1.5)
BCAM (1.7)	LCT (1.4)
CBLC (2.0)	R3HDM1 (2.0)
SLC22A3 (1.6)	DOCK6 (1.5)
NOP58 (1.9)	NFE2L3 (1.9)
SLC22A3 (1.2)	ENSG00000226806 (1
SLC22A3 (1.2)	ENSG00000226806 (1
SLC22A3 (1.2)	ENSG00000226806 (1
ENSG00000182329 (1	PMFBP1 (1.6)
RELB (1.3)	POC5 (1.3)
GNAI3 (1.5)	LCT (1.4)
BUD13 (1.6)	LPAR2 (1.6)
SARS (1.7)	TOMM40 (1.7)
TM6SF2 (1.8)	IZUMO1 (1.5)
FUT1 (1.3)	MYLIP (1.2)
FUT1 (1.3)	MYLIP (1.2)
CETP (1.5)	ENSG00000226645 (1
ERGIC3 (1.5)	ENSG00000226806 (1
FADS2 (1.5)	TBKBP1 (1.4)
CYP26A1 (1.8)	ENSG00000236436 (1

TSSK6 (1.5)	OASL (1.5)
R3HDM1 (1.6)	SLC44A2 (1.5)
LPIN3 (1.6)	KANK2 (1.6)
MAP3K4 (1.5)	PLCG1 (1.4)
CLPTM1 (1.5)	DARS (1.5)
ENSG00000226806 (1	LPIN3 (1.8)
TRAM2 (1.5)	R3HDM1 (1.4)
C19orf52 (1.8)	C17orf57 (1.6)
PGS1 (1.6)	GNAI3 (1.5)
GSTM4 (1.7)	C12orf43 (1.6)
NPEPPS (1.9)	PSMA5 (1.8)
AMIGO1 (1.4)	NPEPPS (1.4)
ERGIC3 (1.3)	ABCA6 (1.3)
ERGIC3 (1.3)	ABCA6 (1.3)
ABCG8 (1.7)	SARS (1.6)
HAPLN4 (1.7)	ATXN7L2 (1.5)
HMGCR (1.9)	IGF2R (1.8)
ENSG00000182329 (1	SUGP1 (1.8)
SLC22A2 (1.6)	ATXN7L2 (1.5)
ATXN7L2 (2.2)	TOP1 (2.1)
DHODH (1.8)	TXNL4B (1.5)
NRBP1 (1.5)	ATXN1L (1.5)
CELSR2 (1.9)	IGF2R (1.8)
ENSG00000226622 (1	DNAH11 (1.5)
PLEC (1.6)	TBKBP1 (1.5)
IZUMO1 (1.1)	ENSG00000182329 (1
NUP93 (1.4)	ENSG00000226622 (1
ST3GAL4 (1.3)	TSSK6 (1.1)
KRTCAP3 (1.5)	ZNF513 (1.4)
ZNF821 (1.5)	CILP2 (1.4)
TOP1 (2.2)	PPM1G (1.9)
MCM6 (1.7)	ZHX3 (1.7)
CLPTM1 (1.7)	COL4A3BP (1.6)
C17orf57 (1.5)	PSMA5 (1.4)
C17orf57 (1.5)	PSMA5 (1.4)
C17orf57 (1.5)	PSMA5 (1.4)
R3HDM1 (1.7)	ABCA1 (1.7)
ENSG00000226622 (1	GPR61 (1.6)
ENSG00000236436 (1	LPAR2 (1.6)
SYPL2 (0.6)	PLEC (0.5)
ENSG00000236436 (1	KRTCAP3 (1.8)
ENSG00000228044 (1	ENSG00000226648 (1
GRINA (1.2)	FNDC4 (1.1)
C11orf9 (1.4)	YSK4 (1.3)
AMIGO1 (1.6)	PMFBP1 (1.4)
KPNB1 (2.2)	NUP93 (2.1)
ENSG00000182329 (1	ATXN7L2 (1.2)
CARM1 (1.7)	ABO (1.7)
LPAR2 (1.7)	BUD13 (1.6)
LCT (1.1)	DARS (1.0)

ENSG00000256731 (1	NCAN (1.8)
ENSG00000231204 (2	ZHX3 (2.1)
FADS1 (1.4)	NOP58 (1.4)
CARM1 (2.0)	KPNB1 (1.9)
PSMA5 (1.6)	SORT1 (1.6)
ENSG00000235545 (1	CYB561D1 (1.6)
BUD13 (1.8)	KPNB1 (1.7)
SNX17 (1.5)	TOMM40 (1.4)
ENSG00000244861 (1	LPAL2 (1.5)
AMPD2 (1.6)	ZNF821 (1.5)
GNAI3 (2.0)	TOMM40 (1.8)
DOCK7 (1.7)	ENSG00000254235 (1
SNX17 (1.4)	PCSK9 (1.4)
SNX17 (1.4)	PCSK9 (1.4)
TBKBP1 (1.3)	PARP10 (1.3)
PVR (1.3)	PPM1G (1.3)
MAFB (1.6)	NRBP1 (1.5)
NPEPPS (1.4)	ENSG00000236436 (1
FER1L4 (2.1)	ZNF259 (2.1)
FUT2 (1.3)	MYLIP (1.2)
SLC22A3 (1.5)	ENSG00000256731 (1
R3HDM1 (1.3)	GSTM4 (1.3)
PSRC1 (1.5)	DOCK7 (1.5)
DHODH (1.3)	LPIN3 (1.2)
DHODH (1.3)	LPIN3 (1.2)
ATXN1L (1.5)	LCT (1.5)
PPM1G (1.7)	AMIGO1 (1.5)
CEP250 (0.8)	LPAR2 (0.8)
NRBP1 (1.4)	LPIN3 (1.4)
YIPF2 (1.3)	PBX4 (1.3)
C17orf57 (1.7)	SNX17 (1.6)
SUMO1 (1.7)	NUP93 (1.6)
ABCA5 (1.4)	HAVCR1 (1.4)
PSRC1 (1.7)	CELSR2 (1.7)
SUGP1 (1.6)	TRAM2 (1.5)
TSSK6 (1.5)	YSK4 (1.5)
C17orf57 (1.6)	GOT2P1 (1.6)
DARS (1.7)	PPM1G (1.7)
DARS (1.7)	PPM1G (1.7)
POC5 (1.7)	IFT172 (1.7)
POC5 (1.7)	IFT172 (1.7)
POC5 (1.7)	IFT172 (1.7)
ATXN1L (2.1)	GNAI3 (1.9)
KPNB1 (1.6)	ABCA6 (1.6)
SUMO1 (1.8)	BUD13 (1.7)
SUMO1 (1.8)	BUD13 (1.7)
HNF4A (1.5)	ABO (1.3)
HNF1A (1.3)	CETP (1.3)
SMARCA4 (1.8)	DHODH (1.8)
ATXN1L (1.6)	GATAD2A (1.5)

TSSK6 (1.6)	LIPG (1.4)
ATXN7L2 (1.4)	C11orf9 (1.4)
CEP250 (1.8)	ENSG00000228044 (1
FEN1 (2.0)	BUD13 (1.9)
FEN1 (2.0)	BUD13 (1.9)
AMPD2 (1.7)	GATAD2A (1.5)
OBP2B (1.3)	LCT (1.2)
COL4A3BP (1.6)	LPAL2 (1.6)
PLCG1 (2.0)	SNX17 (1.9)
DOCK7 (1.2)	APOA4 (1.2)
SNX17 (1.6)	AMPD2 (1.6)
NUP93 (2.0)	FEN1 (1.9)
LPAL2 (1.7)	ATXN7L2 (1.6)
ENSG00000235545 (1	ATXN7L2 (1.6)
GNAT2 (1.8)	AMPD2 (1.8)
C19orf52 (1.1)	NFE2L3 (1.1)
ENSG00000226806 (1	C17orf57 (1.7)
BUD13 (1.9)	CEP250 (1.7)
OBP2B (1.4)	FADS1 (1.3)
PVR (0.8)	ENSG00000182329 (0
NCAN (1.4)	ENSG00000226648 (1
GPR61 (1.6)	DNAH11 (1.6)
MAFB (1.7)	HAPLN4 (1.6)
RAB3GAP1 (1.8)	EHBP1 (1.7)
HMGCR (1.4)	DHODH (1.2)
PCSK9 (1.4)	LCT (1.4)
USP1 (1.6)	SMARCA4 (1.6)
PVRL2 (1.5)	SPATC1 (1.5)
DHODH (2.0)	FER1L4 (1.8)
AMIGO1 (1.6)	HAPLN4 (1.5)
ENSG00000226645 (1	NCAN (1.6)
LPIN3 (1.8)	FUT1 (1.8)
IST1 (1.3)	BCAM (1.3)
ENSG00000226648 (1	ENSG00000228044 (1
C19orf52 (1.6)	ENSG00000254235 (1
LCT (1.3)	SLC44A2 (1.3)
DNAH11 (1.1)	GNAI3 (1.1)
GSTM5 (1.3)	TBKBP1 (1.3)
RAB3GAP1 (1.9)	PSMA5 (1.7)
NYNRIN (1.5)	ENSG00000226622 (1
CEP250 (1.7)	ZNF821 (1.6)
SMARCA4 (1.7)	DOCK7 (1.7)
MAP3K4 (1.5)	R3HDM1 (1.4)
NUP93 (1.6)	LPIN3 (1.3)
ENSG00000226806 (1	CLPTM1 (1.5)
GNAI3 (1.2)	GMIP (1.2)
CELSR2 (1.4)	ENSG00000228044 (1
MCM6 (2.1)	KPNB1 (1.9)
ENSG00000226648 (1	NOP58 (1.0)
OTX1 (1.3)	PLCG1 (1.3)

ZNF821 (1.3)	CILP2 (1.2)
PVR (0.8)	IGF2R (0.8)
MAP3K4 (1.4)	KPNB1 (1.3)
OASL (1.8)	SUMO1 (1.7)
GSTM5 (1.6)	TOP1 (1.6)
CYB561D1 (1.6)	SYPL2 (1.6)
ENSG00000226622 (1	TRIB1 (1.5)
MAMSTR (1.7)	ATP13A1 (1.7)
NOP58 (1.2)	MAP3K4 (1.2)
OTX1 (1.9)	KRTCAP3 (1.8)
AMIGO1 (1.8)	ENSG00000182329 (1
LPA (1.7)	COL4A3BP (1.6)
IST1 (1.9)	DHX38 (1.9)
IZUMO1 (1.5)	ENSG00000256731 (1
ABCA5 (1.7)	KRTCAP3 (1.7)
SARS (1.6)	DARS (1.5)
SLC22A2 (1.4)	SLC22A3 (1.3)
LPIN3 (1.5)	TBKBP1 (1.5)
ATXN7L2 (1.4)	GPR61 (1.3)
GDF5 (1.5)	FNDC4 (1.4)
GOT2P1 (1.8)	PMFBP1 (1.8)
TXNL4B (1.9)	ATXN1L (1.9)
ENSG00000182329 (1	ABO (1.6)
TOP1 (1.6)	FNDC4 (1.6)
DARS (2.0)	SARS (1.9)
ABCA5 (1.5)	APOA4 (1.4)
AMIGO1 (1.9)	CYB561D1 (1.6)
FUT2 (1.5)	IST1 (1.5)
DOCK7 (1.8)	ATP13A1 (1.7)
PSMA5 (1.9)	NCAN (1.8)
GSTM5 (1.5)	CBLC (1.4)
GOT2P1 (1.8)	ENSG00000244861 (1
GOT2P1 (1.8)	ENSG00000244861 (1
ENSG00000226645 (1	MAMSTR (1.7)
CLPTM1 (1.4)	GRINA (1.4)
ENSG00000236436 (1	RP1 (1.2)
C12orf43 (1.9)	EHBP1 (1.8)
COL4A3BP (1.3)	ENSG00000231204 (1
FUT1 (1.8)	ENSG00000231204 (1
FNDC4 (1.6)	ZNF513 (1.5)
DHX38 (1.9)	SUMO1 (1.8)
ABCA6 (1.5)	TOP1 (1.4)
CLPTM1 (2.1)	AMPD2 (1.9)
KPNB1 (2.4)	DARS (2.3)
ST3GAL4 (1.7)	ABCA6 (1.7)
UBXN4 (1.6)	DARS (1.4)
SUGP1 (1.7)	DNAH11 (1.7)
SARS (1.8)	SUGP1 (1.6)
FER1L4 (1.2)	NPEPPS (1.2)
PSRC1 (1.5)	NYNRIN (1.5)

ENSG00000228044 (1	ENSG00000226648 (0
NUP93 (1.5)	SUGP1 (1.5)
ATXN7L2 (1.7)	SUGP1 (1.6)
DOCK7 (1.3)	FUT1 (1.2)
MYLIP (1.2)	ENSG00000256731 (1
DHX38 (1.8)	ZNF821 (1.7)
R3HDM1 (1.6)	GATAD2A (1.5)
PSMA5 (0.9)	PLEC (0.9)
CELSR2 (1.5)	PVR (1.5)
HNF1A (1.7)	FADS1 (1.7)
SARS (1.8)	SPATC1 (1.7)
KRTCAP3 (1.4)	PLCG1 (1.3)
CEP250 (1.6)	NOP58 (1.4)
IZUMO1 (1.7)	GNAI3 (1.6)
EHBP1 (1.9)	MAP3K4 (1.9)
FGF21 (1.4)	PMFBP1 (1.4)
IZUMO1 (1.3)	MYLIP (1.3)
IST1 (1.5)	CYB561D1 (1.5)
ERGIC3 (2.0)	FER1L4 (1.8)
AMPD2 (1.5)	NOP58 (1.4)
SUMO1 (1.2)	LCT (1.1)
SUMO1 (1.2)	LCT (1.1)
SUMO1 (1.2)	LCT (1.1)
SUMO1 (1.2)	LCT (1.1)
YSK4 (1.7)	PBX4 (1.7)
OTX1 (1.7)	CILP2 (1.7)
MAP3K4 (1.6)	OASL (1.6)
AMIGO1 (1.9)	PSMA5 (1.8)
LPIN3 (1.2)	RASIP1 (1.2)
TM6SF2 (1.4)	DNAH11 (1.3)
SORT1 (1.4)	OASL (1.4)
ENSG00000256731 (1	SUMO1 (1.7)
MYLIP (1.5)	GOT2P1 (1.4)
SARS (1.6)	BMPR2 (1.5)
POLK (1.7)	NOP58 (1.7)
AMPD2 (1.6)	NRBP1 (1.6)
ENSG00000226622 (1	CETP (1.2)
YSK4 (1.5)	BCAM (1.4)
CELSR2 (1.4)	HAPLN4 (1.2)
USP24 (1.7)	CEP250 (1.7)
ENSG00000254235 (1	C19orf80 (1.5)
POLK (1.5)	SPATC1 (1.4)
AMIGO1 (1.5)	AMPD2 (1.4)
IGF2R (1.6)	TOP1 (1.5)
FNDC4 (1.4)	ENSG00000256731 (1
FNDC4 (1.4)	ENSG00000256731 (1
PGS1 (1.4)	R3HDM1 (1.4)
FNDC4 (1.5)	AMIGO1 (1.5)
ATXN1L (1.9)	NRBP1 (1.7)
ZNF513 (1.8)	SNX17 (1.6)

SARS (2.0)	TXNL4B (1.9)
PVR (1.5)	ENSG00000226648 (1
DHODH (1.5)	SNX17 (1.5)
YSK4 (1.9)	ABO (1.8)
ZNF821 (1.7)	FEN1 (1.7)
ZRANB3 (1.6)	DOCK7 (1.6)
ZRANB3 (1.6)	DOCK7 (1.6)
R3HDM1 (1.3)	MAFB (1.3)
AMPD2 (1.5)	NFE2L3 (1.5)
AMPD2 (1.5)	NFE2L3 (1.5)
POC5 (1.4)	ENSG00000226648 (1
LPIN3 (2.0)	NRBP1 (1.9)
C19orf52 (1.4)	ZHX3 (1.3)
CARM1 (1.2)	ENSG00000226806 (1
ENSG00000236436 (1	PLCG1 (1.3)
SUMO1 (2.2)	PLCG1 (2.2)
LPL (1.5)	OBP2B (1.3)
MAU2 (1.7)	C19orf52 (1.7)
PLEC (2.1)	CEP250 (1.7)
CYB561D1 (1.3)	ST3GAL4 (1.3)
ENSG00000228044 (1	ENSG00000226648 (1
ENSG00000182329 (1	DOCK7 (1.6)
ENSG00000231204 (1	USP1 (1.5)
TRIB1 (1.7)	GSTM5 (1.6)
ZHX3 (1.5)	DHX38 (1.4)
NRBP1 (1.3)	SLC22A2 (1.3)
POLK (1.4)	ABO (1.4)
GDF5 (1.6)	ATXN7L2 (1.5)
MYLIP (1.3)	SPATC1 (1.3)
SUMO1 (1.8)	NYNRIN (1.7)
TBKBP1 (1.5)	RELB (1.5)
SUMO1 (1.5)	RASIP1 (1.3)
R3HDM1 (2.0)	NOP58 (1.8)
EHBP1 (1.7)	POC5 (1.6)
ABCA6 (1.7)	FER1L4 (1.5)
TOP1 (1.6)	ATXN1L (1.5)
FGF21 (1.5)	RAB3GAP1 (1.4)
FGF21 (1.5)	RAB3GAP1 (1.4)
PLCG1 (1.8)	AMIGO1 (1.5)
LPA (1.2)	PGS1 (1.1)
PCSK9 (1.8)	EHBP1 (1.8)
GMIP (1.2)	GPR61 (1.1)
ENSG00000235545 (1	ENSG00000236436 (1
DOCK6 (1.7)	ABCA5 (1.6)
LPIN3 (1.5)	ENSG00000226806 (1
POLK (1.7)	ENSG00000236267 (1
CELSR2 (1.8)	NCAN (1.8)
CARM1 (1.3)	PLCG1 (1.3)
USP1 (1.6)	MYLIP (1.5)
DOCK7 (1.7)	EHBP1 (1.7)

ENSG00000228044 (1	ENSG00000226648 (1
R3HDM1 (1.6)	YIPF2 (1.6)
ENSG00000182329 (1	AMIGO1 (1.4)
KPNB1 (1.6)	C19orf52 (1.6)
LDLR (1.8)	SORT1 (1.7)
AMPD2 (2.2)	PPM1G (1.9)
ENSG00000182329 (1	PSMA5 (1.0)
KPNB1 (1.3)	ENSG00000228044 (1
ENSG00000236436 (1	DOCK7 (1.3)
TIMD4 (1.4)	COL4A3BP (1.4)
IST1 (1.8)	DARS (1.7)
C12orf43 (1.5)	HAVCR1 (1.5)
TRAM2 (1.1)	GSTM5 (1.0)
SYPL2 (2.0)	IST1 (2.0)
PPM1G (1.9)	NUP93 (1.9)
BUD13 (1.6)	IZUMO1 (1.5)
NUP93 (1.3)	LPAR2 (1.3)
TOMM40 (2.0)	NUP93 (2.0)
CLPTM1 (1.5)	EHBP1 (1.3)
MAMSTR (1.7)	PLCG1 (1.7)
GSTM4 (1.6)	R3HDM1 (1.6)
PBX4 (1.3)	LPAL2 (1.1)
RASIP1 (1.9)	FADS1 (1.7)
COL4A3BP (1.7)	NCAN (1.6)
KPNB1 (1.3)	ZNF821 (0.9)
ENSG00000226645 (1	TRAM2 (1.5)
KPNB1 (1.1)	NOP58 (1.1)
ENSG00000231204 (1	ST3GAL4 (1.6)
EHBP1 (1.4)	SMARCA4 (1.4)
ENSG00000256731 (1	NUP93 (1.3)
ENSG00000226806 (1	C11orf9 (1.2)
ENSG00000244861 (1	ST3GAL4 (1.2)
ENSG00000182329 (2	ENSG00000231204 (1
ST3GAL4 (1.3)	CYB561D1 (1.2)
GSTM5 (1.4)	PMFBP1 (1.3)
BCAM (1.6)	CELSR2 (1.4)
FER1L4 (1.7)	ENSG00000228044 (1
KPNB1 (2.0)	PSMA5 (1.9)
NFE2L3 (1.9)	PPM1G (1.9)
SARS (1.9)	MAU2 (1.8)
CETP (1.4)	APOE (1.2)
ATP13A1 (2.1)	TXNL4B (1.9)
COL4A3BP (1.7)	APOB (1.7)
AMIGO1 (1.5)	AMPD2 (1.5)
POC5 (1.7)	SLC22A2 (1.2)
SUMO1 (1.7)	TXNL4B (1.6)
PMFBP1 (1.7)	SLC22A2 (1.7)
GSTM4 (1.4)	HNF4A (1.2)
APOC1 (1.4)	DOCK7 (1.3)
MAU2 (1.6)	PLCG1 (1.4)

CARM1 (1.5)	MCM6 (1.5)
USP1 (1.6)	MAP3K4 (1.6)
USP1 (1.6)	MAP3K4 (1.6)
ZNF513 (1.4)	ERGIC3 (1.4)
NOP58 (1.5)	CLPTM1 (1.5)
USP1 (2.2)	BUD13 (2.0)
PLCG1 (1.6)	ZHX3 (1.5)
CILP2 (1.5)	EHBP1 (1.4)
LCT (1.8)	AMIGO1 (1.6)
TRIB1 (1.7)	PSRC1 (1.6)
ENSG00000226806 (1	GNAI3 (1.7)
PLEC (1.5)	FGF21 (1.4)
ENSG00000235545 (1	KPNB1 (1.7)
AMPD2 (1.4)	C12orf43 (1.3)
LPAL2 (1.4)	TXNL4B (1.4)
CYP26A1 (1.3)	R3HDM1 (1.3)
SPATC1 (1.5)	FNDC4 (1.4)
SPATC1 (1.5)	FNDC4 (1.4)
DOCK6 (1.6)	C17orf57 (1.6)
PBX4 (1.2)	ABCA5 (1.0)
USP1 (1.9)	NRBP1 (1.8)
FEN1 (1.7)	POC5 (1.6)
ENSG00000226648 (1	TBKBP1 (1.5)
ABCA5 (1.3)	ENSG00000231204 (1
BMPR2 (1.6)	PBX4 (1.5)
ENSG00000244861 (1	ENSG00000182329 (1
ENSG00000182329 (1	RASIP1 (1.4)
PBX4 (1.1)	YIPF2 (1.1)
ENSG00000226648 (1	ENSG00000228044 (1
TXNL4B (1.5)	LPAL2 (1.5)
NUP93 (1.7)	GATAD2A (1.7)
ENSG00000236436 (1	BUD13 (1.3)
ENSG00000182329 (1	C11orf9 (1.6)
ENSG00000226648 (1	MAP3K4 (0.9)
FNDC4 (1.6)	SORT1 (1.6)
YIPF2 (1.6)	ENSG00000254235 (1
TOMM40 (1.3)	IGF2R (1.3)
ENSG00000235545 (1	ERGIC3 (1.3)
SLC44A2 (1.5)	BMPR2 (1.5)
TXNL4B (1.3)	ABCA5 (1.3)
GOT2P1 (1.4)	KANK2 (1.4)
GMIP (1.6)	CYB561D1 (1.5)
TOP1 (2.0)	MAU2 (1.9)
BCAM (1.4)	FNDC4 (1.4)
MAFB (1.4)	ENSG00000254235 (1
ENSG00000244861 (1	CELSR2 (1.6)
PBX4 (1.5)	TRAM2 (1.5)
PPM1G (1.2)	SPATC1 (1.2)
MAFB (1.0)	FUT2 (1.0)
FADS1 (1.8)	IFT172 (1.7)

GSTM4 (1.4)	TXNL4B (1.4)
AMIGO1 (1.3)	ENSG00000231204 (1
SNX17 (1.6)	PLCG1 (1.6)
POC5 (2.0)	PPM1G (1.9)
ENSG00000236267 (1	C19orf52 (1.3)
ENSG00000236267 (1	C19orf52 (1.3)
APOA4 (1.3)	ENSG00000236436 (1
ENSG00000231204 (1	PBX4 (1.4)
POLK (1.7)	TRAM2 (1.7)
MAP3K4 (2.1)	UBXN4 (2.0)
SMARCA4 (1.5)	ENSG00000226648 (1
KRTCAP3 (1.6)	LPAL2 (1.6)
ENSG00000228044 (1	ENSG00000226648 (1
GMIP (1.3)	POLK (1.3)
NPEPPS (1.4)	PLCG1 (1.3)
ENSG00000226645 (1	ZHX3 (1.6)
YSK4 (1.5)	C17orf57 (1.5)
C19orf52 (1.6)	NYNRIN (1.5)
ATXN1L (2.0)	ABCA1 (2.0)
SLC44A2 (1.4)	AMPD2 (1.1)
SORT1 (1.6)	NYNRIN (1.5)
SUGP1 (1.6)	TOMM40 (1.6)
ZNF821 (1.9)	ST3GAL4 (1.7)
CLPTM1 (1.4)	PSRC1 (1.4)
CELSR2 (1.8)	SORT1 (1.8)
TBKBP1 (1.6)	ANGPTL3 (1.5)
PLEC (1.5)	CELSR2 (1.3)
ERGIC3 (1.5)	APOE (1.4)
BUD13 (1.6)	PVR (1.5)
CELSR2 (1.7)	PVR (1.6)
DOCK7 (1.7)	PLCG1 (1.6)
NCAN (1.6)	PLCG1 (1.5)
PSRC1 (1.6)	GNAI3 (1.6)
NRBP1 (1.5)	LPIN3 (1.5)
ERGIC3 (1.5)	CARM1 (1.4)
CYP26A1 (1.3)	OTX1 (1.3)
ENSG00000231204 (1	CEP250 (1.5)
ENSG00000256731 (1	TRAM2 (1.7)
ENSG00000226645 (1	AMPD2 (1.7)
ENSG00000182329 (1	POC5 (1.7)
POLK (1.7)	EHBP1 (1.7)
ZRANB3 (1.6)	FGF21 (1.4)
PPM1G (1.9)	NUP93 (1.9)
ST3GAL4 (1.7)	ENSG00000236267 (1
AMPD2 (1.2)	ENSG00000226806 (1
LPAL2 (1.5)	SYPL2 (1.4)
PCSK9 (1.3)	HAPLN4 (1.3)
GRINA (1.3)	CELSR2 (1.2)
ENSG00000244861 (1	FNDC4 (1.5)
PPM1G (1.7)	GNAI3 (1.5)

UBXN4 (1.3)	ENSG00000254235 (1
ZRANB3 (1.5)	FUT1 (1.5)
ENSG00000226648 (1	ENSG00000228044 (1
POC5 (1.8)	OASL (1.8)
LPIN3 (1.4)	C12orf43 (1.4)
LPIN3 (1.2)	C17orf57 (1.1)
APOA4 (1.5)	BMPR2 (1.5)
CILP2 (1.7)	EHBP1 (1.5)
C19orf52 (1.5)	ENSG00000231204 (1
C17orf57 (1.7)	LPL (1.6)
ZNF513 (1.3)	C12orf43 (1.3)
FUT2 (1.3)	IST1 (1.3)
PPM1G (1.9)	TOP1 (1.9)
KRTCAP3 (1.8)	LPL (1.5)
IZUMO1 (1.3)	TBKBP1 (1.3)
NPEPPS (1.7)	NYNRIN (1.7)
C11orf9 (1.6)	CYP26A1 (1.4)
ENSG00000244861 ((	COL4A3BP (0.8)
PPM1G (1.7)	ENSG00000256731 (1
ENSG00000236436 (1	ENSG00000231204 (1
ENSG00000228044 (1	FGF21 (1.5)
MAMSTR (1.4)	RASIP1 (1.3)
ZNF259 (2.1)	GNAT2 (1.9)
POC5 (2.1)	CEP250 (1.9)
AMIGO1 (1.4)	EHBP1 (1.4)
AMIGO1 (1.4)	ST3GAL4 (1.4)
KANK2 (1.3)	CETP (1.3)
ENSG00000228044 (1	APOE (1.5)
FUT2 (1.4)	SORT1 (1.4)
C11orf9 (1.4)	FER1L4 (1.4)
PCSK9 (1.0)	SORT1 (0.9)
PCSK9 (1.0)	SORT1 (0.9)
FER1L4 (1.5)	SUMO1 (1.5)
FER1L4 (1.5)	SUMO1 (1.5)
POC5 (1.7)	SMARCA4 (1.6)
POC5 (1.2)	LPIN3 (1.2)
GPR61 (2.1)	C19orf80 (2.1)
ENSG00000228044 (1	ATXN1L (0.9)
NUP93 (2.0)	USP1 (2.0)
TRIM54 (1.7)	COL4A3BP (1.6)
PVRL2 (1.5)	KANK2 (1.5)
KRTCAP3 (1.6)	DOCK7 (1.6)
NCAN (1.8)	ZHX3 (1.5)
ZRANB3 (2.0)	R3HDM1 (1.8)
ZRANB3 (2.0)	R3HDM1 (1.8)
ZRANB3 (2.0)	R3HDM1 (1.8)
ERGIC3 (1.5)	APOE (1.4)
ENSG00000236267 (1	NPEPPS (1.3)
TOP1 (1.9)	PPM1G (1.8)
ENSG00000236267 (1	KPNB1 (1.4)

ENSG00000254235 (1	MAMSTR (1.2)
IFT172 (1.6)	RAB3GAP1 (1.5)
SYPL2 (1.5)	GOT2P1 (1.4)
PCSK9 (1.5)	IFT172 (1.4)
ENSG00000236436 (1	ENSG00000235545 (1
GOT2P1 (1.8)	MAP3K4 (1.6)
MAU2 (1.2)	CILP2 (1.2)
DOCK6 (1.6)	SLC22A3 (1.4)
SLC44A2 (1.2)	C19orf52 (1.1)
EHBP1 (1.8)	OASL (1.7)
ENSG00000228044 (1	ENSG00000226648 (1
TOP1 (1.9)	MAP3K4 (1.8)
ABCA6 (1.9)	NRBP1 (1.9)
ENSG00000226648 (1	USP1 (1.5)
NFE2L3 (1.8)	ENSG00000256731 (1
PVRL2 (1.5)	R3HDM1 (1.5)
SLC22A3 (1.6)	HNF1A (1.3)
ENSG00000226622 (1	ZHX3 (1.5)
EHBP1 (1.6)	C11orf9 (1.6)
GNAI3 (1.9)	FADS1 (1.8)
PGS1 (1.9)	OBP2B (1.7)
GCKR (1.5)	EHBP1 (1.5)
SPATC1 (2.2)	RAB3GAP1 (2.0)
YSK4 (1.8)	MAU2 (1.7)
IGF2R (1.1)	ZNF821 (1.1)
TXNL4B (1.6)	ABCA6 (1.3)
TXNL4B (1.6)	ABCA6 (1.3)
ENSG00000182329 (1	SLC22A2 (1.5)
TXNL4B (1.7)	DARS (1.6)
POLK (1.7)	NUP93 (1.6)
TXNL4B (1.9)	DARS (1.7)
OBP2B (1.4)	ENSG00000231204 (1
OBP2B (1.4)	ENSG00000231204 (1
GSTM5 (1.4)	ENSG00000226645 (1
SLC44A2 (1.3)	PCSK9 (1.2)
FEN1 (1.7)	AMIGO1 (1.6)
ATP13A1 (1.4)	SLC44A2 (1.2)
APOC1 (1.2)	PARP10 (1.2)
ENSG00000231204 (1	LPIN3 (1.8)
IST1 (2.0)	POC5 (1.9)
ENSG00000226648 (1	ENSG00000228044 (1
PPM1G (1.9)	LPIN3 (1.9)
ERGIC3 (1.7)	BUD13 (1.6)
ATXN1L (1.7)	ENSG00000236436 (1
ENSG00000244861 (1	ST3GAL4 (1.5)
PLEC (1.4)	ERGIC3 (1.1)
IST1 (1.9)	DNAH11 (1.8)
APOA4 (1.5)	MAMSTR (1.4)
GOT2P1 (1.4)	SLC22A3 (1.3)
ATXN1L (2.1)	USP1 (2.0)

IGF2R (1.8) SUMO1 (1.7)
ENSG00000231204 (1 FER1L4 (1.5)
ENSG00000228044 (1 ENSG00000226648 (1
ENSG00000226645 (1 IGF2R (1.9)
CYB561D1 (1.7) CLPTM1 (1.7)
IGF2R (1.4) LPAR2 (1.3)
HAPLN4 (1.5) CYP26A1 (1.4)
PLEC (1.6) GOT2P1 (1.6)
YIPF2 (1.3) NPEPPS (1.2)
PSMA5 (1.6) RAB3GAP1 (1.5)
GNAI3 (1.8) LIPG (1.7)
LIPG (1.4) POLK (1.3)
LPAL2 (1.4) ZRANB3 (1.4)
ENSG00000228044 (1 ENSG00000226648 (1
SUGP1 (1.5) TXNL4B (1.4)
FUT1 (1.5) BUD13 (1.4)
GNAI3 (1.7) SNX17 (1.6)
IFT172 (1.4) ZNF821 (1.1)
MAMSTR (1.9) HMGCR (1.9)
ENSG00000228044 (1 ENSG00000226648 (1
OTX1 (1.6) ENSG00000236267 (1
NUP93 (1.2) CETP (1.2)
FUT1 (1.5) OBP2B (1.5)
ENSG00000235545 (1 GSTM5 (1.6)
DOCK7 (1.6) CARM1 (1.6)
POLK (1.7) PPM1G (1.7)
GDF5 (1.5) C19orf80 (1.5)
ENSG00000228044 (1 ENSG00000226648 (0
MAP3K4 (1.9) NPEPPS (1.8)
GOT2P1 (1.3) ENSG00000226645 (1
SPATC1 (1.2) IZUMO1 (1.2)
SUGP1 (1.8) ERGIC3 (1.7)
PCSK9 (1.6) POLK (1.6)
C19orf52 (1.5) SUGP1 (1.4)
TM6SF2 (1.4) C19orf80 (1.4)
SORT1 (1.7) CELSR2 (1.6)
FNDC4 (1.7) TBKBP1 (1.5)
ZNF513 (1.3) ST3GAL4 (1.2)
R3HDM1 (1.9) DHX38 (1.9)
PPM1G (1.2) MAU2 (1.2)
TOP1 (1.7) MAP3K4 (1.6)
GSTM5 (1.9) PPM1G (1.9)
SLC22A3 (1.5) ENSG00000235545 (1
CEP250 (1.4) USP1 (1.3)
C12orf43 (1.8) C19orf52 (1.7)
ENSG00000226648 (1 ZHX3 (1.0)
ENSG00000226622 (1 SYPL2 (1.2)
MYLIP (1.5) GOT2P1 (1.5)
PSMA5 (1.4) PARP10 (1.3)
ENSG00000226622 (1 NCAN (1.4)

AMPD2 (1.8)	OBP2B (1.7)
CBLC (1.5)	SUGP1 (1.5)
ATP13A1 (1.5)	TBKBP1 (1.4)
TXNL4B (1.3)	GCKR (1.2)
RP1 (1.8)	OASL (1.7)
SNX17 (1.3)	ENSG00000244861 (1
C12orf43 (1.5)	GOT2P1 (1.5)
AMPD2 (1.6)	AMIGO1 (1.5)
ATXN7L2 (1.9)	ZHX3 (1.7)
C19orf52 (1.3)	TRAM2 (1.1)
EHBP1 (1.2)	HNF1A (1.2)
YSK4 (1.6)	CELSR2 (1.5)
RASIP1 (1.7)	CILP2 (1.7)
NPEPPS (1.9)	SNX17 (1.9)
LPAL2 (1.6)	HAVCR1 (1.5)
GSTM5 (1.4)	HAPLN4 (1.3)
ENSG00000236436 (1	LPA (1.2)
ZNF259 (1.8)	SUMO1 (1.7)
ENSG00000226648 (1	GNAT2 (1.5)
GNAI3 (1.9)	ATXN1L (1.9)
CEP250 (2.0)	BUD13 (1.8)
MAP3K4 (2.0)	HAPLN4 (1.7)
ENSG00000235545 (1	ENSG00000236436 (1
ENSG00000236267 (1	ATXN1L (1.4)
IZUMO1 (1.4)	ENSG00000228044 (1
TOP1 (1.5)	NPEPPS (1.5)
BUD13 (1.6)	ATXN7L2 (1.5)
PSRC1 (1.7)	ENSG00000231204 (1
ABCA6 (1.7)	ABCA5 (1.6)
ZNF821 (1.5)	GDF5 (1.5)
LDLR (1.6)	IST1 (1.5)
MYLIP (1.4)	IZUMO1 (1.3)
RAB3GAP1 (1.6)	C12orf43 (1.5)
SUGP1 (1.6)	POC5 (1.3)
ENSG00000228044 (1	ENSG00000226648 (1
DHX38 (2.0)	ATXN1L (2.0)
ENSG00000236436 (1	GDF5 (1.5)
ST3GAL4 (1.3)	ERGIC3 (1.3)
TSSK6 (1.3)	C17orf57 (1.3)
ERGIC3 (0.9)	CILP2 (0.8)
CYP26A1 (1.4)	RASIP1 (1.3)
GSTM5 (1.5)	NCAN (1.4)
KPNB1 (1.3)	ENSG00000256731 (1
LCT (1.5)	NFE2L3 (1.4)
CELSR2 (1.6)	ENSG00000226622 (1
GNAI3 (1.7)	TOP1 (1.6)
CELSR2 (1.5)	ENSG00000226622 (1
NUP93 (1.6)	MAP3K4 (1.6)
LPAL2 (2.1)	ZHX3 (1.8)
POC5 (1.5)	ENSG00000244861 (1

SORT1 (1.6)	ATXN7L2 (1.6)
LCT (1.1)	PARP10 (1.1)
SLC44A2 (1.5)	HAVCR1 (1.4)
MAP3K4 (1.3)	POLK (1.2)
CELSR2 (1.4)	CEP250 (1.4)
USP1 (1.7)	NUP93 (1.6)
APOA4 (1.5)	LPL (1.5)
LPAR2 (1.6)	SLC22A2 (1.5)
TRIM54 (1.6)	ENSG00000226645 (1
FUT2 (1.3)	C19orf52 (1.3)
SNX17 (1.3)	PLG (1.3)
BCAM (1.2)	IFT172 (1.2)
DOCK7 (1.5)	PBX4 (1.5)
PCSK9 (1.2)	OBP2B (1.2)
TRIM54 (1.8)	RP1 (1.8)
DOCK7 (2.2)	NPEPPS (2.2)
HAVCR1 (1.6)	ATXN7L2 (1.6)
ABCA1 (1.6)	POLK (1.5)
ENSG00000228044 (1	ENSG00000226648 (1
GATAD2A (1.7)	ABCA6 (1.6)
GATAD2A (1.7)	ABCA6 (1.6)
MAMSTR (1.4)	IFT172 (1.3)
NPEPPS (1.5)	COL4A3BP (1.5)
MAMSTR (1.8)	GOT2P1 (1.8)
ENSG00000228044 (1	ZHX3 (0.9)
ENSG00000228044 (1	ZHX3 (0.9)
NFE2L3 (1.7)	UBXN4 (1.7)
BUD13 (2.0)	MCM6 (2.0)
SLC44A2 (1.5)	OTX1 (1.5)
IST1 (1.6)	ENSG00000236267 (1
DOCK7 (1.4)	GPAM (1.4)
SUMO1 (1.7)	NUP93 (1.6)
ENSG00000236436 (1	NRBP1 (1.4)
GPAM (1.7)	CEP250 (1.5)
SPATC1 (1.4)	IZUMO1 (1.3)
C12orf43 (1.5)	EHBP1 (1.5)
ATXN7L2 (1.5)	NUP93 (1.3)
MAU2 (1.9)	GNAI3 (1.8)
ENSG00000228044 (1	ENSG00000226648 (1
GRINA (2.0)	CARM1 (1.5)
LPAL2 (1.5)	SLC22A2 (1.4)
TSSK6 (1.4)	MAFB (1.4)
PMFBP1 (1.7)	C11orf9 (1.6)
PLEC (1.7)	NPEPPS (1.5)
SYPL2 (1.6)	APOA4 (1.6)
PLEC (1.5)	CARM1 (1.4)
NCAN (1.2)	HNF4A (1.2)
CELSR2 (1.6)	ENSG00000226622 (1
ERGIC3 (1.7)	SUGP1 (1.6)
CYP26A1 (1.5)	MYLIP (1.4)

NYNRIN (1.2)	PCSK9 (1.2)
DARS (1.4)	ZRANB3 (1.4)
ENSG00000182329 (1	FGF21 (1.9)
DARS (1.5)	AMPD2 (1.5)
TOP1 (1.8)	POC5 (1.8)
LPIN3 (1.7)	GDF5 (1.6)
KPNB1 (1.1)	GPR61 (1.0)
DHODH (1.6)	SARS (1.6)
LPAR2 (1.8)	ABCA5 (1.8)
ENSG00000228044 (1	ENSG00000226648 (1
ZNF821 (1.6)	C19orf52 (1.6)
ENSG00000226645 (1	FUT1 (1.0)
PCSK9 (1.7)	USP1 (1.6)
ABCA5 (2.0)	TOMM40 (2.0)
C11orf9 (1.7)	R3HDM1 (1.6)
GATAD2A (1.4)	GMIP (1.3)
ENSG00000228044 (1	ENSG00000226648 (1
SMARCA4 (1.7)	POC5 (1.6)
PGS1 (1.4)	NPEPPS (1.3)
HNF1A (1.3)	SARS (1.2)
IST1 (1.4)	OASL (1.3)
YIPF2 (1.2)	SLC44A2 (1.1)
GSTM4 (1.6)	PLEC (1.4)
APOA4 (1.9)	TM6SF2 (1.7)
ENSG00000228044 (1	C17orf57 (1.1)
ZNF259 (1.8)	PPM1G (1.8)
FER1L4 (1.9)	MAP3K4 (1.9)
PLCG1 (1.4)	LCT (1.4)
ENSG00000228044 (1	NOP58 (0.9)
ENSG00000226648 (1	ENSG00000228044 (1
R3HDM1 (1.4)	NPEPPS (1.3)
GDF5 (1.6)	FNDC4 (1.5)
MYLIP (1.5)	CEP250 (1.5)
ZNF513 (1.4)	CEP250 (1.4)
TXNL4B (1.8)	DHODH (1.6)
LPAR2 (1.6)	CYB561D1 (1.3)
COL4A3BP (1.6)	ATP13A1 (1.5)
GATAD2A (1.7)	BCAM (1.6)
ABO (1.4)	GOT2P1 (1.4)
ABO (1.4)	GOT2P1 (1.4)
COL4A3BP (1.2)	FUT2 (1.0)
ZNF513 (1.3)	LPIN3 (1.2)
GRINA (1.5)	HMGCR (1.4)
AMIGO1 (1.6)	TBKBP1 (1.6)
COL4A3BP (1.5)	ERGIC3 (1.5)
ENSG00000182329 (2	PBX4 (2.0)
SMARCA4 (1.7)	MAU2 (1.6)
PGS1 (1.6)	MYLIP (1.5)
PGS1 (1.6)	MYLIP (1.5)
ZNF821 (1.8)	AMIGO1 (1.8)

GOT2P1 (1.6)	ENSG00000226622 (1
DOCK6 (1.5)	ENSG00000231204 (1
USP24 (1.6)	POC5 (1.6)
TXNL4B (1.5)	ZNF513 (1.4)
FNDC4 (1.4)	ZHX3 (1.4)
SMARCA4 (1.9)	PSRC1 (1.8)
ABO (1.7)	CYB561D1 (1.7)
CEP250 (1.8)	NUP93 (1.7)
TOP1 (1.6)	MYLIP (1.5)
ZNF821 (1.5)	ENSG00000231204 (1
ZNF821 (1.5)	ENSG00000231204 (1
NPEPPS (1.4)	TXNL4B (1.4)
ENSG00000226645 (1	SORT1 (1.8)
DHX38 (1.5)	CLPTM1 (1.5)
ENSG00000182329 (1	ENSG00000231204 (1
DHX38 (1.4)	ENSG00000226622 (1
CYP26A1 (1.6)	ENSG00000236436 (1
AMIGO1 (1.3)	OBP2B (1.2)
SMARCA4 (1.4)	SUGP1 (1.4)
PMFBP1 (1.5)	SNX17 (1.5)
C11orf9 (1.5)	GDF5 (1.4)
TRIM54 (1.6)	IST1 (1.4)
ABO (1.7)	AMPD2 (1.7)
PMFBP1 (1.6)	EHBP1 (1.5)
OBP2B (1.7)	GRINA (1.6)
BCAM (1.3)	MYLIP (1.2)
PSMA5 (1.5)	GNAI3 (1.5)
CELSR2 (1.6)	RASIP1 (1.5)
GDF5 (1.4)	CILP2 (1.2)
NYNRIN (1.1)	FADS2 (1.1)
TXNL4B (1.6)	DHODH (1.4)
BUD13 (1.9)	PSRC1 (1.7)
DOCK7 (1.8)	ZNF259 (1.6)
ZHX3 (1.5)	ATXN1L (1.4)
USP1 (1.7)	CBLC (1.6)
ENSG00000226622 (1	FUT1 (1.1)
ENSG00000244861 (1	ABO (1.4)
DHODH (1.6)	TOMM40 (1.5)
GOT2P1 (1.3)	FADS1 (1.2)
CLPTM1 (1.6)	ABCG8 (1.6)
KRTCAP3 (1.7)	PGS1 (1.5)
TOP1 (1.4)	C12orf43 (1.4)
POLK (2.0)	PPM1G (2.0)
GSTM5 (1.4)	SNX17 (1.3)
CARM1 (2.1)	IZUMO1 (2.0)
CELSR2 (1.3)	BMPR2 (1.2)
ZNF821 (1.6)	DHODH (1.5)
TOMM40 (1.4)	SUMO1 (1.3)
ABCA1 (1.6)	UBXN4 (1.6)
ST3GAL4 (1.4)	GSTM5 (1.3)

TSSK6 (1.7)	CYB561D1 (1.7)
ENSG00000228044 (1	ENSG00000226648 (1
FUT1 (1.7)	HMGCR (1.7)
TSSK6 (1.5)	NCAN (1.5)
CARM1 (1.7)	ENSG00000228044 (1
ENSG00000254235 (1	KANK2 (1.5)
SLC22A2 (1.7)	NCAN (1.6)
SLC22A2 (1.7)	NCAN (1.6)
SLC22A2 (1.7)	NCAN (1.6)
ZRANB3 (1.4)	ST3GAL4 (1.4)
EHBP1 (1.4)	YSK4 (1.2)
ZNF513 (1.6)	KANK2 (1.5)
PPM1G (1.5)	R3HDM1 (1.5)
CETP (1.2)	LCT (1.1)
ATP13A1 (1.7)	LPAR2 (1.6)
ABCG5 (2.0)	ENSG00000226806 (2
ENSG00000235545 (1	ATXN7L2 (1.5)
SARS (1.9)	SLC44A2 (1.9)
PMFBP1 (1.4)	PCSK9 (1.4)
USP24 (1.3)	LPAL2 (1.2)
IGF2R (1.4)	ATP13A1 (1.4)
GMIP (1.3)	ST3GAL4 (1.3)
PBX4 (1.0)	POLK (0.9)
OBP2B (1.4)	CETP (1.3)
GSTM5 (1.4)	LIPG (1.4)
NPEPPS (1.7)	C19orf52 (1.7)
SUMO1 (1.9)	NPEPPS (1.8)
PSRC1 (1.8)	KPNB1 (1.7)
GATAD2A (1.5)	KPNB1 (1.5)
LPL (1.4)	ATXN1L (1.4)
GNAI3 (1.7)	ENSG00000256731 (1
GSTM5 (1.7)	IZUMO1 (1.6)
MAMSTR (1.5)	FADS1 (1.5)
LPIN3 (1.8)	CYB561D1 (1.8)
C12orf43 (1.6)	GPR61 (1.6)
FER1L4 (1.3)	ENSG00000236267 (1
ZNF513 (1.4)	DOCK7 (1.3)
DARS (1.6)	POC5 (1.4)
NYNRIN (1.6)	LIPG (1.6)
PVR (1.8)	TXNL4B (1.7)
PCSK9 (1.6)	PBX4 (1.6)
LPAL2 (1.7)	ZNF259 (1.7)
ENSG00000244861 (1	SUGP1 (1.6)
ENSG00000226622 (1	ENSG00000235545 (1
EHBP1 (1.8)	PSRC1 (1.7)
ENSG00000254235 (1	CYP26A1 (1.4)
IZUMO1 (2.0)	GPAM (1.9)
PSMA5 (1.6)	ZNF821 (1.6)
PSMA5 (1.6)	ZNF821 (1.6)
C11orf9 (1.2)	HAVCR1 (1.2)

AMIGO1 (1.2)	FNDC4 (1.2)
RAB3GAP1 (1.3)	NRBP1 (1.2)
OTX1 (1.5)	C12orf43 (1.5)
ENSG00000226648 (1	ZHX3 (1.0)
MAFB (2.0)	AMIGO1 (1.9)
ENSG00000226648 (1	ATXN1L (0.9)
ENSG00000182329 (1	ENSG00000235545 (1
BUD13 (1.5)	YSK4 (1.5)
ERGIC3 (1.6)	SNX17 (1.5)
CBLC (1.2)	PMFBP1 (1.1)
GPR61 (1.4)	NYNRIN (1.3)
ENSG00000236436 (1	ENSG00000228044 (1
SNX17 (1.8)	GATAD2A (1.6)
SNX17 (1.8)	GATAD2A (1.6)
DHX38 (1.6)	ATP13A1 (1.6)
DHX38 (1.7)	PSMA5 (1.6)
RAB3GAP1 (1.2)	GPAM (1.1)
ENSG00000228044 (1	RAB3GAP1 (1.1)
AMIGO1 (1.3)	PLCG1 (1.3)
UBXN4 (1.9)	KRTCAP3 (1.9)
FEN1 (1.3)	ENSG00000226648 (1
PPM1G (1.5)	LDLR (1.5)
ZNF513 (2.0)	PCSK9 (1.9)
AMIGO1 (1.5)	DNAH11 (1.5)
POC5 (1.7)	FEN1 (1.6)
HNF1A (1.3)	SLC22A2 (1.2)
UBXN4 (2.0)	ZNF821 (2.0)
SMARCA4 (1.6)	ENSG00000226645 (1
ABCA1 (1.1)	GATAD2A (1.0)
NCAN (1.5)	IFT172 (1.3)
R3HDM1 (2.0)	ATXN7L2 (1.9)
ENSG00000182329 (1	APOE (1.2)
ENSG00000226645 (2	PSRC1 (1.6)
PMFBP1 (1.6)	BMPR2 (1.6)
ENSG00000235545 (1	ABCA5 (1.7)
ENSG00000235545 (1	ABCA5 (1.7)
LPAL2 (1.7)	FUT2 (1.6)
SLC22A2 (1.6)	SPATC1 (1.5)
PSMA5 (1.7)	KPNB1 (1.6)
KANK2 (1.2)	TIMD4 (1.2)
FUT1 (1.2)	PBX4 (1.2)
POC5 (1.8)	PSRC1 (1.7)
CYB561D1 (1.8)	LPAL2 (1.8)
PPM1G (1.5)	PMFBP1 (1.4)
KRTCAP3 (1.0)	DHODH (0.9)
NOP58 (1.8)	TXNL4B (1.6)
C12orf43 (1.4)	HMGCR (1.4)
ATXN7L2 (1.7)	TXNL4B (1.3)
SPATC1 (1.2)	ENSG00000236267 (1
ENSG00000226806 (1	PLCG1 (1.5)

TRIB1 (1.4)	PBX4 (1.3)
ABO (1.5)	PMFBP1 (1.4)
ENSG00000228044 (1	PPM1G (1.7)
PLEC (1.7)	RAB3GAP1 (1.7)
BUD13 (1.9)	CYB561D1 (1.8)
BUD13 (1.9)	CYB561D1 (1.8)
LPAR2 (1.8)	MAP3K4 (1.7)
HAVCR1 (1.4)	SNX17 (1.3)
BCAM (0.6)	FADS1 (0.6)
CLPTM1 (1.6)	YIPF2 (1.6)
MAMSTR (1.6)	GATAD2A (1.5)
TRIM54 (1.6)	SARS (1.6)
LCT (1.6)	NCAN (1.6)
CYP26A1 (1.7)	ENSG00000226648 (1
C19orf52 (1.6)	KRTCAP3 (1.6)
SORT1 (1.3)	LCT (1.2)
ABCG8 (1.6)	ERGIC3 (1.5)
APOE (1.6)	LPAR2 (1.5)
ENSG00000226622 (2	ENSG00000236436 (1
ENSG00000226622 (1	ZHX3 (1.6)
TBKBP1 (1.6)	POLK (1.4)
ABCA6 (1.5)	GNAI3 (1.4)
ENSG00000226806 (1	ENSG00000244861 (1
MYLIP (1.6)	ENSG00000256731 (1
FEN1 (2.1)	SUGP1 (2.0)
ZRANB3 (1.7)	TXNL4B (1.7)
NCAN (1.7)	ZRANB3 (1.6)
ZNF259 (1.5)	BMPR2 (1.5)
IGF2R (1.4)	ENSG00000182329 (1
ENSG00000182329 (1	USP24 (1.3)
PSRC1 (1.1)	FUT2 (1.1)
CILP2 (1.6)	DNAH11 (1.6)
C12orf43 (1.5)	SLC22A2 (1.5)
OBP2B (1.4)	FUT1 (1.3)
MAMSTR (1.6)	PGS1 (1.4)
ENSG00000244861 (1	ABCA6 (1.4)
GSTM5 (1.3)	NCAN (1.1)
CILP2 (1.6)	PVRL2 (1.5)
POC5 (1.4)	PSRC1 (1.4)
TOMM40 (1.7)	NOP58 (1.7)
GOT2P1 (1.4)	ABCA5 (1.3)
DHX38 (1.8)	NOP58 (1.7)
SLC22A1 (1.5)	ST3GAL4 (1.3)
FGF21 (1.5)	ERGIC3 (1.4)
C19orf52 (1.5)	DARS (1.3)
TIMD4 (1.4)	LPA (1.3)
HAVCR1 (1.9)	CELSR2 (1.9)
MAMSTR (1.4)	TSSK6 (1.2)
MAP3K4 (1.7)	DOCK6 (1.7)
PGS1 (1.8)	ATXN1L (1.8)

MAP3K4 (1.7)	USP1 (1.6)
MYLIP (1.1)	IST1 (1.1)
MCM6 (1.7)	IZUMO1 (1.5)
TRIM54 (1.5)	R3HDM1 (1.5)
SYPL2 (1.1)	HAPLN4 (1.1)
NRBP1 (1.9)	UBXN4 (1.9)
DARS (2.1)	FER1L4 (1.8)
GATAD2A (1.5)	ATXN1L (1.4)
ABCA5 (1.6)	LDLR (1.5)
NYNRIN (1.4)	SMARCA4 (1.4)
PSRC1 (1.7)	FNDC4 (1.5)
ENSG00000244861 (1	SUMO1 (1.0)
GOT2P1 (1.2)	FADS2 (1.1)
TBKBP1 (1.0)	FUT2 (0.9)
ENSG00000182329 (1	PGS1 (1.6)
GNAI3 (1.7)	PSMA5 (1.7)
COL4A3BP (1.9)	ENSG00000256731 (1
CBLC (1.6)	GRINA (1.6)
C11orf9 (1.6)	AMPD2 (1.6)
PSMA5 (1.9)	GNAT2 (1.9)
ENSG00000235545 (1	CILP2 (1.6)
SNX17 (1.5)	APOC4 (1.5)
ABO (1.6)	SLC44A2 (1.6)
PLEC (1.4)	HAPLN4 (1.3)
TSSK6 (1.6)	ATP13A1 (1.6)
ABO (1.2)	C19orf52 (1.2)
PPM1G (1.4)	USP1 (1.4)
HAVCR1 (1.3)	DARS (1.1)
ABCA5 (1.5)	ABCA1 (1.4)
SMARCA4 (1.2)	ENSG00000182329 (1
MAMSTR (1.8)	GNAT2 (1.7)
PMFBP1 (1.5)	ENSG00000226622 (1
NOP58 (2.1)	TOP1 (2.0)
LPAL2 (1.2)	AMPD2 (1.2)
NUP93 (2.3)	KPNB1 (2.0)
IFT172 (1.5)	ENSG00000182329 (1
ATXN1L (1.5)	ATXN7L2 (1.5)
PBX4 (1.0)	TXNL4B (1.0)
ENSG00000254235 (1	AMIGO1 (1.5)
TXNL4B (1.9)	IST1 (1.9)
GRINA (1.8)	C11orf9 (1.7)
CARM1 (1.5)	GSTM5 (1.3)
LPAL2 (1.5)	SLC22A3 (1.5)
FUT2 (1.1)	ZRANB3 (1.1)
C19orf52 (1.8)	DARS (1.8)
ENSG00000228044 (1	IGF2R (1.4)
R3HDM1 (2.1)	POLK (2.0)
ABCA5 (1.5)	PBX4 (1.4)
RAB3GAP1 (2.0)	IZUMO1 (1.8)
RAB3GAP1 (2.0)	IZUMO1 (1.8)

ENSG00000256731 (1	POC5 (1.3)
LPIN3 (1.2)	NRBP1 (1.2)
ENSG00000256731 (1	HAVCR1 (1.3)
COL4A3BP (1.3)	SYPL2 (1.2)
GDF5 (1.3)	TRAM2 (1.3)
GPR61 (1.5)	ABCA6 (1.4)
CELSR2 (1.6)	ERGIC3 (1.5)
TOP1 (1.6)	ATP13A1 (1.6)
NYNRIN (1.4)	FGF21 (1.3)
R3HDM1 (1.4)	TIMD4 (1.3)
DHX38 (1.7)	TOP1 (1.6)
USP1 (1.8)	FEN1 (1.7)
AMPD2 (1.5)	TOP1 (1.5)
TRIM54 (1.5)	LPIN3 (1.5)
GPR61 (1.3)	YIPF2 (1.2)
ATXN7L2 (1.1)	DNAH11 (1.1)
NYNRIN (1.4)	LPAL2 (1.3)
PBX4 (1.1)	DHODH (1.1)
PARP10 (1.3)	LPAR2 (1.1)
DHX38 (1.6)	ENSG00000236436 (1
PVRL2 (1.6)	FUT1 (1.6)
LCT (1.2)	ENSG00000236436 (1
C11orf9 (1.4)	COL4A3BP (1.4)
SARS (1.4)	SORT1 (1.3)
POLK (1.4)	C19orf52 (1.3)
KANK2 (1.5)	BMPR2 (1.4)
ENSG00000236436 (1	R3HDM1 (1.3)
C11orf9 (1.5)	SORT1 (1.4)
POLK (1.4)	EHBP1 (1.4)
BUD13 (1.7)	FER1L4 (1.6)
ENSG00000231204 (1	R3HDM1 (1.4)
NRBP1 (1.8)	CEP250 (1.5)
PLCG1 (1.6)	TBKBP1 (1.6)
RAB3GAP1 (1.8)	USP24 (1.7)
SLC22A3 (1.4)	GSTM5 (1.4)
MCM6 (1.8)	GOT2P1 (1.6)
LPAR2 (1.6)	GSTM5 (1.6)
POLK (1.4)	ENSG00000226648 (1
GSTM5 (1.7)	CELSR2 (1.3)
TOMM40 (1.7)	C19orf52 (1.7)
NCAN (1.2)	C12orf43 (1.2)
GATAD2A (1.5)	SLC44A2 (1.5)
SPATC1 (1.8)	HAPLN4 (1.7)
SUMO1 (1.6)	ATXN1L (1.3)
ENSG00000254235 (1	TBKBP1 (1.3)
ENSG00000254235 (1	TBKBP1 (1.3)
ENSG00000254235 (1	TBKBP1 (1.3)
GNAT2 (1.3)	SLC44A2 (1.3)
ZRANB3 (1.4)	ENSG00000236267 (1
PVRL2 (1.6)	PPM1G (1.6)

PMFBP1 (1.4)	GNAT2 (1.4)
DNAH11 (1.4)	ENSG00000226622 (1
POLK (1.6)	POC5 (1.5)
TXNL4B (1.5)	ATXN7L2 (1.4)
SUGP1 (2.0)	ZNF821 (1.9)
FER1L4 (1.7)	TOP1 (1.6)
FNDC4 (1.4)	NPEPPS (1.4)
TBKBP1 (1.4)	ABO (1.3)
RAB3GAP1 (1.6)	PBX4 (1.5)
HAPLN4 (1.2)	GNAT2 (1.2)
ENSG00000256731 (1	LCT (1.4)
GNAT2 (1.6)	TBKBP1 (1.5)
POC5 (2.0)	ATXN7L2 (2.0)
PARP10 (1.5)	PLCG1 (1.4)
FUT1 (1.2)	FUT2 (1.1)
DHX38 (1.4)	SPATC1 (1.3)
ZNF259 (1.4)	ATP13A1 (1.3)
GPR61 (1.5)	SLC22A1 (1.5)
TXNL4B (1.1)	RASIP1 (1.1)
NFE2L3 (1.3)	GNAT2 (1.2)
CLPTM1 (1.4)	SORT1 (1.4)
GPR61 (1.4)	SLC22A1 (1.3)
SPATC1 (1.7)	HAVCR1 (1.5)
YSK4 (1.4)	ENSG00000236436 (1
LPAL2 (1.6)	SLC44A2 (1.5)
RASIP1 (1.3)	ENSG00000226648 (1
FUT2 (1.4)	TXNL4B (1.3)
KRTCAP3 (1.3)	OBP2B (1.2)
USP1 (1.7)	GNAI3 (1.6)
PPM1G (1.7)	ENSG00000226645 (1
R3HDM1 (1.9)	PSRC1 (1.6)
POLK (1.7)	PLEC (1.7)
OBP2B (1.9)	IFT172 (1.9)
GDF5 (1.6)	TSSK6 (1.6)
USP24 (1.3)	GDF5 (1.2)
KRTCAP3 (1.3)	GSTM5 (1.2)
C12orf43 (2.1)	COL4A3BP (2.0)
TBKBP1 (1.7)	C12orf43 (1.6)
GNAI3 (1.7)	IST1 (1.6)
GRINA (1.8)	GOT2P1 (1.6)
NRBP1 (1.7)	GNAT2 (1.6)
FADS1 (1.8)	DOCK7 (1.7)
ENSG00000244861 (1	PARP10 (1.5)
ABCA5 (1.8)	GDF5 (1.3)
ABCA5 (1.8)	GDF5 (1.3)
OTX1 (1.6)	AMIGO1 (1.4)
MAMSTR (1.6)	C12orf43 (1.5)
FUT2 (1.6)	CETP (1.6)
SNX17 (1.6)	ATXN1L (1.6)
ST3GAL4 (1.4)	GPR61 (1.4)

ATP13A1 (1.5)	C17orf57 (1.4)
ERGIC3 (1.4)	TRAM2 (1.4)
BMPR2 (1.3)	CLPTM1 (1.3)
C19orf52 (1.8)	TOP1 (1.8)
GPR61 (1.4)	FNDC4 (1.4)
ENSG00000231204 (1	YSK4 (1.5)
BUD13 (1.4)	C17orf57 (1.2)
ENSG00000226806 (1	MAP3K4 (1.5)
LCT (1.9)	GRINA (1.8)
AMIGO1 (1.6)	R3HDM1 (1.5)
RASIP1 (1.6)	ENSG00000226622 (1
GSTM4 (1.3)	ATXN7L2 (1.3)
FER1L4 (1.4)	LPIN3 (1.4)
ENSG00000226645 (1	ZHX3 (1.6)
IST1 (1.4)	CYP26A1 (1.4)
TOMM40 (1.0)	CILP2 (0.9)
ZNF821 (1.3)	POLK (1.2)
FNDC4 (1.2)	SLC44A2 (1.2)
C11orf9 (1.3)	TXNL4B (1.0)
ATP13A1 (1.8)	BMPR2 (1.7)
ZHX3 (1.5)	FGF21 (1.5)
MAU2 (1.8)	SUMO1 (1.7)
DHX38 (1.9)	NRBP1 (1.9)
PLCG1 (2.2)	GSTM5 (2.1)
SNX17 (1.6)	DHODH (1.5)
SNX17 (1.6)	DHODH (1.5)
SLC44A2 (1.4)	TSSK6 (1.3)
ATP13A1 (1.8)	SPATC1 (1.5)
COL4A3BP (1.5)	C19orf52 (1.4)
PPM1G (2.0)	IGF2R (1.8)
ATP13A1 (1.0)	C17orf57 (1.0)
OBP2B (1.5)	FUT2 (1.5)
HAPLN4 (1.3)	EHBP1 (1.3)
ENSG00000226645 (1	C12orf43 (1.8)
RAB3GAP1 (1.9)	C19orf52 (1.7)
DOCK7 (1.5)	POLK (1.5)
YSK4 (2.1)	C12orf43 (2.1)
OTX1 (1.5)	ENSG00000231204 (1
ZNF821 (1.2)	TM6SF2 (1.2)
PMFBP1 (1.7)	HNF1A (1.7)
AMPD2 (1.9)	IZUMO1 (1.9)
SNX17 (1.5)	ATXN1L (1.5)
R3HDM1 (1.6)	EHBP1 (1.4)
GMIP (1.5)	NYNRIN (1.5)
SLC22A1 (1.4)	SORT1 (1.4)
EHBP1 (1.9)	KANK2 (1.7)
TBKBP1 (1.5)	IZUMO1 (1.5)
TXNL4B (1.5)	CELSR2 (1.5)
CELSR2 (1.4)	MAP3K4 (1.4)
NYNRIN (1.4)	IZUMO1 (1.3)

DNAH11 (1.4)	DOCK7 (1.3)
GSTM4 (1.5)	GMIP (1.4)
ABCA5 (1.6)	YSK4 (1.5)
SORT1 (1.4)	C11orf9 (1.3)
HAPLN4 (1.4)	NFE2L3 (1.4)
GATAD2A (1.5)	NRBP1 (1.4)
FNDC4 (1.4)	HAPLN4 (1.4)
MAU2 (1.5)	ATXN1L (1.4)
LIPC (1.2)	C19orf52 (1.2)
FNDC4 (1.2)	MAMSTR (1.2)
ENSG00000236436 (1	AMPD2 (1.4)
ENSG00000236436 (1	AMPD2 (1.4)
ENSG00000236436 (1	AMPD2 (1.4)
SLC22A3 (1.1)	YSK4 (1.1)
SARS (1.7)	ABCA6 (1.6)
NOP58 (1.5)	TBKBP1 (1.5)
CLPTM1 (1.4)	FADS2 (1.3)
GNAT2 (1.7)	PVR (1.6)
FUT2 (1.3)	ENSG00000236267 (1
BUD13 (1.7)	C19orf52 (1.7)
BUD13 (1.7)	C19orf52 (1.7)
BUD13 (1.7)	C19orf52 (1.7)
BUD13 (1.7)	C19orf52 (1.7)
MYLIP (1.3)	DNAH11 (1.3)
AMIGO1 (1.6)	TRIB1 (1.6)
SYPL2 (1.2)	IGF2R (1.2)
TBKBP1 (1.7)	PLCG1 (1.7)
DNAH11 (1.9)	LCT (1.8)
PARP10 (1.2)	MAP3K4 (1.2)
RP1 (1.3)	HNF4A (1.2)
HAPLN4 (1.4)	ENSG00000226648 (1
KPNB1 (1.9)	BUD13 (1.8)
TRIB1 (1.8)	CARM1 (1.8)
CELSR2 (1.7)	R3HDM1 (1.7)
FGF21 (1.5)	TSSK6 (1.5)
C12orf43 (1.9)	ZHX3 (1.9)
GOT2P1 (1.5)	LPL (1.5)
OBP2B (1.3)	LPL (1.3)
GNAI3 (1.8)	C19orf52 (1.8)
KANK2 (1.0)	ENSG00000226645 (0
TM6SF2 (1.2)	BCAM (1.2)
PLEC (1.7)	CELSR2 (1.7)
LPIN3 (1.3)	KPNB1 (1.3)
MAP3K4 (1.3)	PLCG1 (1.3)
USP1 (1.3)	C19orf52 (1.3)
ENSG00000231204 (1	GSTM4 (1.2)
MCM6 (1.7)	BUD13 (1.5)
MCM6 (1.7)	BUD13 (1.5)
AMIGO1 (1.3)	ABO (1.3)
NCAN (1.9)	HAPLN4 (1.7)

CEP250 (1.7)	BUD13 (1.5)
C11orf9 (2.0)	TBKBP1 (1.4)
C12orf43 (1.8)	AMIGO1 (1.6)
TSSK6 (1.3)	EHBP1 (1.2)
CEP250 (1.5)	SUGP1 (1.5)
LPIN3 (1.5)	IFT172 (1.4)
GSTM4 (1.6)	GOT2P1 (1.5)
PBX4 (1.5)	SLC44A2 (1.5)
SUMO1 (1.6)	SLC22A3 (1.5)
IZUMO1 (1.5)	ENSG00000228044 (1
MAFB (1.2)	GMIP (1.1)
HAVCR1 (1.1)	LCT (1.0)
NCAN (1.6)	NRBP1 (1.6)
C11orf9 (1.6)	CETP (1.5)
NCAN (1.5)	PMFBP1 (1.5)
C12orf43 (1.4)	ZRANB3 (1.2)
FADS2 (1.4)	FER1L4 (1.3)
OBP2B (1.1)	UBXN4 (1.1)
ZHX3 (1.4)	EHBP1 (1.4)
TOP1 (1.6)	ENSG00000254235 (1
ABCA6 (1.2)	TRAM2 (1.1)
IFT172 (1.7)	NPEPPS (1.5)
HMGCR (1.5)	SARS (1.5)
IGF2R (1.4)	NCAN (1.4)
SMARCA4 (1.7)	BUD13 (1.7)
PGS1 (1.5)	ERGIC3 (1.4)
AMIGO1 (1.4)	NYNRIN (1.2)
CYB561D1 (1.6)	PLCG1 (1.6)
YSK4 (1.6)	GPR61 (1.5)
FEN1 (1.4)	PSRC1 (1.4)
SORT1 (1.5)	PGS1 (1.5)
GRINA (1.5)	GPR61 (1.5)
IST1 (1.7)	AMPD2 (1.6)
ANGPTL3 (0.9)	SORT1 (0.9)
ATP13A1 (1.6)	GNAT2 (1.5)
AMIGO1 (1.4)	DHX38 (1.4)
GRINA (1.5)	FNDC4 (1.5)
SUMO1 (1.8)	NPEPPS (1.7)
NRBP1 (2.0)	LPIN3 (1.9)
USP1 (1.8)	ENSG00000236436 (1
AMPD2 (1.7)	GSTM5 (1.7)
AMIGO1 (1.9)	POC5 (1.7)
FER1L4 (0.8)	HNF1A (0.8)
FUT2 (1.3)	KANK2 (1.3)
C17orf57 (1.3)	MAMSTR (1.3)
NOP58 (1.7)	KANK2 (1.7)
CELSR2 (1.7)	TBKBP1 (1.6)
ZNF821 (1.5)	ENSG00000236436 (1
C12orf43 (1.5)	R3HDM1 (1.4)
SUGP1 (1.6)	RAB3GAP1 (1.6)

IFT172 (1.4)	ENSG00000236267 (1
CELSR2 (1.7)	MAMSTR (1.6)
ZNF259 (1.6)	SUMO1 (1.5)
ZNF259 (1.6)	SUMO1 (1.5)
ZNF259 (1.6)	SUMO1 (1.5)
ZNF259 (1.6)	SUMO1 (1.5)
ZNF259 (1.6)	SUMO1 (1.5)
ZNF259 (1.6)	SUMO1 (1.5)
BMPR2 (1.5)	MAP3K4 (1.5)
IGF2R (1.4)	C11orf9 (1.3)
AMPD2 (1.7)	GPR61 (1.6)
TOP1 (1.6)	ENSG00000256731 (1
CBLC (1.4)	DOCK7 (1.4)
YSK4 (1.8)	ENSG00000226648 (1
PVRL2 (1.5)	CARM1 (1.5)
TOP1 (1.8)	GSTM5 (1.7)
CARM1 (1.8)	ZNF821 (1.8)
TM6SF2 (1.2)	ENSG00000254235 (1
C11orf9 (1.7)	HAPLN4 (1.7)
NYNRIN (1.5)	PSRC1 (1.5)
HAVCR1 (1.6)	GATAD2A (1.6)
GDF5 (1.4)	FGF21 (1.3)
ENSG00000226648 (1	ENSG00000228044 (1
ENSG00000231204 (1	TOP1 (1.7)
DNAH11 (1.4)	FER1L4 (1.4)
ABCA6 (1.8)	ABCA5 (1.6)
DARS (1.2)	FEN1 (1.2)
ENSG00000182329 (1	SUMO1 (1.4)
GOT2P1 (1.3)	DHODH (1.3)
GOT2P1 (1.3)	DHODH (1.3)
NPEPPS (1.5)	IST1 (1.5)
GPAM (1.5)	FUT1 (1.5)
GMIP (1.2)	CLPTM1 (1.2)
OASL (1.7)	PGS1 (1.7)
DARS (2.0)	FER1L4 (1.7)
NPEPPS (1.5)	ABCA1 (1.5)
TBKBP1 (1.3)	POLK (1.3)
TBKBP1 (1.3)	POLK (1.3)
ENSG00000182329 (1	GATAD2A (1.2)
CLPTM1 (1.7)	SARS (1.7)
CLPTM1 (2.0)	APOE (1.7)
ATXN7L2 (1.5)	CARM1 (1.3)
POLK (1.5)	MAU2 (1.4)
POLK (1.5)	MAU2 (1.4)
POLK (1.5)	MAU2 (1.4)
TRAM2 (1.5)	OTX1 (1.4)
ENSG00000226648 (1	SLC22A2 (1.7)
FER1L4 (1.2)	USP24 (1.2)
TXNL4B (1.7)	GMIP (1.5)
SLC44A2 (1.1)	KRTCAP3 (1.1)

GOT2P1 (1.6)	R3HDM1 (1.4)
CELSR2 (1.5)	EHBP1 (1.5)
ENSG00000235545 (1	FUT2 (1.5)
LPL (1.5)	ABCA5 (1.5)
ENSG00000182329 (1	ENSG00000226806 (1
OASL (1.2)	LPIN3 (1.2)
ENSG00000236436 (1	ENSG00000235545 (1
LPIN3 (1.7)	PVR (1.7)
GSTM5 (1.6)	C11orf9 (1.5)
GOT2P1 (1.5)	AMIGO1 (1.5)
ENSG00000226648 (1	BUD13 (1.2)
SUGP1 (1.4)	EHBP1 (1.4)
PSRC1 (1.4)	GNAT2 (1.4)
ZNF821 (1.6)	ATXN1L (1.6)
USP1 (1.6)	ENSG00000236436 (1
SPATC1 (1.6)	ENSG00000231204 (1
ENSG00000236267 (1	ENSG00000254235 (1
DHX38 (1.6)	C17orf57 (1.5)
RAB3GAP1 (1.5)	SPATC1 (1.4)
C17orf57 (1.6)	TSSK6 (1.6)
PVR (1.7)	YSK4 (1.7)
C19orf52 (1.6)	ZNF821 (1.5)
SLC22A2 (1.5)	GNAI3 (1.4)
HNF4A (1.4)	LCT (1.4)
PVRL2 (1.5)	C19orf52 (1.5)
CYB561D1 (1.8)	AMPD2 (1.8)
DOCK7 (1.8)	IFT172 (1.8)
CELSR2 (1.9)	GPR61 (1.7)
SNX17 (1.4)	TBKBP1 (1.3)
SLC22A3 (1.2)	FNDC4 (1.1)
PVRL2 (1.6)	ENSG00000236436 (1
SORT1 (1.6)	BMPR2 (1.5)
GPR61 (1.8)	NRBP1 (1.8)
ZNF821 (1.7)	GDF5 (1.5)
TOMM40 (1.4)	YSK4 (1.3)
RP1 (1.4)	TRIB1 (1.3)
TOMM40 (1.2)	RAB3GAP1 (1.2)
OBP2B (1.8)	MAMSTR (1.7)
SUGP1 (1.3)	ENSG00000226806 (1
SUGP1 (1.3)	ENSG00000226806 (1
GPAM (2.0)	PPM1G (1.9)
SYPL2 (1.5)	ABCA5 (1.4)
LPAL2 (1.6)	DNAH11 (1.6)
SPATC1 (1.5)	USP24 (1.5)
SPATC1 (1.5)	USP24 (1.5)
PMFBP1 (1.1)	ENSG00000236267 (1
MYLIP (1.1)	GMIP (1.1)
AMPD2 (1.2)	ENSG00000235545 (1
MCM6 (1.7)	FEN1 (1.7)
YSK4 (1.1)	SUMO1 (1.1)

CEP250 (1.8)	KPNB1 (1.7)
PMFBP1 (1.9)	IST1 (1.8)
OBP2B (1.2)	PBX4 (1.1)
R3HDM1 (1.6)	CEP250 (1.3)
RAB3GAP1 (1.6)	ENSG00000228044 (1
TBKBP1 (1.3)	C17orf57 (1.3)
GSTM5 (1.7)	ATXN7L2 (1.7)
C17orf57 (1.0)	PMFBP1 (1.0)
SUGP1 (1.7)	AMPD2 (1.6)
PARP10 (1.8)	USP24 (1.7)
RELB (1.9)	PPM1G (1.8)
TXNL4B (1.6)	DHODH (1.6)
PMFBP1 (1.3)	COL4A3BP (1.3)
BUD13 (1.7)	LPAR2 (1.7)
ZNF259 (1.4)	ENSG00000236267 (1
HAPLN4 (1.5)	C17orf57 (1.4)
AMIGO1 (1.8)	ENSG00000226622 (1
ATXN1L (2.0)	TBKBP1 (1.9)
SLC22A2 (1.5)	ABCA6 (1.4)
BMPR2 (1.4)	PPM1G (1.3)
PSMA5 (1.7)	BUD13 (1.6)
PSMA5 (1.7)	BUD13 (1.6)
POLK (1.2)	ZRANB3 (1.2)
POLK (1.2)	ZRANB3 (1.2)
POLK (1.2)	ZRANB3 (1.2)
TXNL4B (1.7)	POC5 (1.6)
DNAH11 (1.5)	FNDC4 (1.5)
NOP58 (1.5)	PSMA5 (1.5)
HAVCR1 (1.7)	EHBP1 (1.7)
TSSK6 (1.7)	IZUMO1 (1.5)
TSSK6 (1.7)	IZUMO1 (1.5)
ENSG00000226806 (1	LIPG (1.4)
ENSG00000182329 (1	GDF5 (1.7)
ATP13A1 (1.4)	TBKBP1 (1.4)
SUMO1 (1.4)	C17orf57 (1.3)
ENSG00000226622 (1	ENSG00000235545 (1
GATAD2A (1.7)	YIPF2 (1.7)
KPNB1 (1.6)	C12orf43 (1.3)
PGS1 (1.6)	PLCG1 (1.5)
ENSG00000236436 (1	C19orf52 (1.1)
TOP1 (1.7)	TOMM40 (1.6)
AMPD2 (1.4)	SARS (1.3)
ZNF821 (0.9)	ZRANB3 (0.8)
ENSG00000182329 (1	PSMA5 (1.3)
PMFBP1 (1.4)	RP1 (1.3)
OTX1 (1.3)	SLC44A2 (1.2)
SYPL2 (1.3)	YSK4 (1.3)
BUD13 (1.4)	MAMSTR (1.4)
DARS (1.5)	PCSK9 (1.5)
GNAT2 (1.2)	KANK2 (1.2)

FGF21 (1.3)	KANK2 (1.3)
TIMD4 (1.4)	DNAH11 (1.4)
TOP1 (1.7)	ENSG00000236436 (1
PVR (1.6)	KPNB1 (1.6)
SORT1 (1.6)	PSRC1 (1.6)
TSSK6 (1.7)	AMIGO1 (1.7)
SLC22A2 (1.4)	POLK (1.4)
ABCA5 (1.8)	ZNF821 (1.6)
DNAH11 (1.3)	R3HDM1 (1.2)
MAU2 (1.9)	GATAD2A (1.8)
SMARCA4 (1.5)	PVR (1.3)
FNDC4 (1.4)	POLK (1.4)
ATXN7L2 (1.5)	RAB3GAP1 (1.4)
HAVCR1 (1.3)	BMPR2 (1.3)
PGS1 (0.9)	HAVCR1 (0.9)
GNAI3 (2.0)	IST1 (1.8)
CYB561D1 (1.5)	IZUMO1 (1.5)
ENSG00000231204 (2	MAU2 (1.8)
BMPR2 (1.5)	SUMO1 (1.4)
NYNRIN (1.3)	SORT1 (1.3)
ABO (1.5)	CILP2 (1.5)
APOE (1.5)	TOP1 (1.4)
CEP250 (1.3)	ENSG00000228044 (1
PVRL2 (1.6)	KPNB1 (1.6)
MYLIP (1.7)	USP1 (1.7)
ENSG00000226645 (1	NPEPPS (1.4)
RAB3GAP1 (1.5)	IGF2R (1.4)
GOT2P1 (1.6)	C12orf43 (1.4)
LPAR2 (1.3)	SUGP1 (1.1)
POC5 (1.0)	RAB3GAP1 (1.0)
POC5 (1.0)	RAB3GAP1 (1.0)
SPATC1 (1.5)	ENSG00000228044 (1
TOP1 (1.7)	MAU2 (1.6)
AMIGO1 (1.3)	LPL (1.3)
CEP250 (1.6)	DARS (1.5)
PSRC1 (1.7)	FUT2 (1.5)
ABCA6 (1.5)	ST3GAL4 (1.4)
NCAN (1.8)	GSTM4 (1.7)
PCSK9 (1.4)	MAP3K4 (1.3)
GPR61 (1.1)	C17orf57 (1.0)
C17orf57 (1.4)	RASIP1 (1.3)
NPEPPS (1.7)	EHBP1 (1.6)
PPM1G (1.9)	KPNB1 (1.9)
ATXN7L2 (1.5)	ZNF821 (1.4)
SORT1 (1.4)	APOC4 (1.3)
ENSG00000236436 (1	GOT2P1 (1.5)
C19orf52 (1.6)	NPEPPS (1.4)
BMPR2 (1.8)	FEN1 (1.5)
BMPR2 (1.2)	MAU2 (1.2)
CELSR2 (1.4)	TBKBP1 (1.3)

PCSK9 (1.3)	LDLR (1.2)
CLPTM1 (1.8)	SUMO1 (1.6)
OBP2B (1.4)	ENSG00000182329 (1
ENSG00000236267 (1	ENSG00000244861 (1
HNF1A (0.8)	PVR (0.8)
MAMSTR (1.1)	OBP2B (1.1)
ERGIC3 (1.9)	SNX17 (1.8)
OBP2B (1.8)	FUT2 (1.7)
TBKBP1 (2.0)	FNDC4 (1.9)
FADS2 (1.8)	HAPLN4 (1.7)
ZRANB3 (1.8)	MCM6 (1.7)
ZHX3 (1.4)	BMPR2 (1.4)
TXNL4B (1.1)	CEP250 (1.0)
USP24 (1.8)	BUD13 (1.7)
HAVCR1 (1.2)	PARP10 (1.2)
GPR61 (1.6)	FNDC4 (1.6)
OBP2B (1.6)	LCT (1.5)
ZNF259 (1.5)	ATXN7L2 (1.4)
HAVCR1 (1.5)	ENSG00000244861 (1
FADS2 (1.5)	LCT (1.4)
HAPLN4 (1.8)	EHBP1 (1.6)
ENSG00000226645 (1	ST3GAL4 (1.5)
ENSG00000256731 (1	GNAI3 (1.3)
ATXN1L (1.7)	SNX17 (1.6)
GCKR (1.3)	ENSG00000254235 (1
KANK2 (1.3)	C11orf9 (1.3)
POLK (1.4)	YIPF2 (1.3)
TSSK6 (1.2)	POC5 (1.2)
MAP3K4 (1.5)	PBX4 (1.5)
SMARCA4 (1.4)	BMPR2 (1.3)
R3HDM1 (1.3)	GPR61 (1.3)
MAU2 (1.5)	PARP10 (1.5)
ENSG00000244861 (1	TOP1 (1.8)
GMIP (1.5)	LPIN3 (1.5)
GDF5 (1.6)	AMIGO1 (1.5)
ATXN1L (1.9)	SUMO1 (1.8)
FGF21 (1.2)	GDF5 (1.0)
PPM1G (2.0)	NOP58 (1.9)
MAU2 (1.6)	CEP250 (1.6)
BCAM (1.1)	FUT2 (1.1)
COL4A3BP (1.2)	DNAH11 (1.1)
IFT172 (1.1)	TOMM40 (1.1)
HNF1A (1.7)	ABCA5 (1.6)
ENSG00000226806 (1	RASIP1 (1.6)
PPM1G (1.5)	SYPL2 (1.5)
BMPR2 (1.4)	GOT2P1 (1.3)
TRIM54 (1.7)	BMPR2 (1.7)
ENSG00000182329 (1	GDF5 (1.1)
ENSG00000182329 (1	GDF5 (1.1)
C19orf52 (1.7)	SUGP1 (1.6)

DHODH (2.1)	PSRC1 (1.8)
OBP2B (1.4)	IZUMO1 (1.3)
DARS (1.6)	NPEPPS (1.5)
C19orf52 (1.5)	MAP3K4 (1.5)
LPAR2 (1.6)	FUT2 (1.5)
SUMO1 (1.5)	CARM1 (1.5)
LPAL2 (1.5)	ENSG00000235545 (1
CYB561D1 (1.5)	PLEC (1.4)
IZUMO1 (1.6)	LPAR2 (1.6)
ENSG00000228044 (1	AMIGO1 (1.5)
DHX38 (1.5)	ATXN7L2 (1.4)
TOP1 (1.7)	PSRC1 (1.4)
ABO (1.6)	TSSK6 (1.5)
TM6SF2 (1.0)	ABCG8 (0.9)
SORT1 (1.3)	CYB561D1 (1.3)
ERGIC3 (1.9)	IST1 (1.9)
ERGIC3 (1.9)	IST1 (1.9)
ERGIC3 (1.9)	IST1 (1.9)
ENSG00000244861 (1	ERGIC3 (1.6)
C11orf9 (1.7)	PPM1G (1.6)
ATXN7L2 (1.8)	TBKBP1 (1.7)
GPR61 (1.7)	CYP26A1 (1.5)
ZNF821 (1.4)	ABO (1.3)
KANK2 (1.3)	FNDC4 (1.1)
USP24 (1.2)	ZHX3 (1.2)
MYLIP (1.1)	ATXN7L2 (1.1)
PMFBP1 (2.0)	SYPL2 (1.9)
FER1L4 (1.2)	NCAN (1.1)
HAVCR1 (1.3)	MAFB (1.1)
AMIGO1 (1.7)	GNAI3 (1.6)
YSK4 (1.3)	TOP1 (1.3)
AMPD2 (1.5)	ABCA1 (1.5)
ENSG00000236267 (1	DNAH11 (1.3)
CLPTM1 (1.3)	TIMD4 (1.3)
SUGP1 (1.4)	USP1 (1.4)
DARS (2.4)	PSMA5 (2.4)
PPM1G (2.0)	KPNB1 (1.9)
PPM1G (2.0)	KPNB1 (1.9)
SLC22A2 (1.4)	AMIGO1 (1.3)
NPEPPS (1.5)	ABO (1.4)
TRIM54 (1.5)	SYPL2 (1.5)
ABO (1.5)	DOCK6 (1.5)
TM6SF2 (1.5)	RAB3GAP1 (1.4)
PCSK9 (1.4)	ENSG00000256731 (1
BUD13 (2.0)	OTX1 (1.9)
SNX17 (1.9)	R3HDM1 (1.8)
GOT2P1 (1.3)	PPM1G (1.3)
ST3GAL4 (1.5)	PMFBP1 (1.4)
YIPF2 (1.4)	YSK4 (1.3)
CYB561D1 (1.7)	SNX17 (1.6)

ATXN1L (1.9)	TOP1 (1.7)
SLC22A2 (1.0)	FEN1 (1.0)
FER1L4 (2.1)	ENSG00000182329 (1
C17orf57 (1.9)	ZNF821 (1.8)
RAB3GAP1 (1.3)	SUMO1 (1.2)
GPR61 (1.3)	ATP13A1 (1.3)
DNAH11 (1.1)	ENSG00000235545 (1
DNAH11 (1.1)	ENSG00000235545 (1
DNAH11 (1.1)	ENSG00000235545 (1
EHBP1 (1.6)	FNDC4 (1.6)
MAU2 (1.5)	USP24 (1.5)
FER1L4 (1.4)	ATXN7L2 (1.4)
ENSG00000226622 (1	LCT (1.2)
ZHX3 (1.6)	PVRL2 (1.4)
TBKBP1 (1.8)	ENSG00000226648 (1
IZUMO1 (1.5)	OBP2B (1.4)
KANK2 (1.8)	ZHX3 (1.8)
BMPR2 (1.2)	TSSK6 (1.1)
CELSR2 (1.2)	BUD13 (1.2)
C11orf9 (1.3)	RAB3GAP1 (1.2)
LPAR2 (1.6)	ENSG00000236436 (1
SUMO1 (1.6)	FGF21 (1.6)
HAVCR1 (1.1)	IFT172 (1.0)
ZNF513 (1.7)	POLK (1.5)
SUMO1 (1.5)	ENSG00000226648 (1
SUMO1 (1.5)	ENSG00000226648 (1
NPEPPS (1.5)	KPNB1 (1.4)
CELSR2 (1.4)	ENSG00000182329 (1
POLK (1.7)	ABO (1.7)
POLK (1.7)	ABO (1.7)
ERGIC3 (1.7)	SLC22A3 (1.7)
NYNRIN (1.4)	USP24 (1.3)
POC5 (1.2)	DOCK6 (1.2)
PGS1 (1.5)	IST1 (1.5)
ENSG00000228044 (1	CARM1 (1.1)
MAP3K4 (1.7)	ZNF259 (1.7)
MAMSTR (1.5)	ATXN7L2 (1.4)
FNDC4 (1.8)	SARS (1.7)
FNDC4 (1.8)	SARS (1.7)
NRBP1 (1.7)	GRINA (1.7)
NYNRIN (1.4)	GMIP (1.3)
LPA (1.3)	ENSG00000231204 (1
PVRL2 (0.7)	CILP2 (0.7)
RASIP1 (1.7)	NCAN (1.6)
RASIP1 (1.7)	NCAN (1.6)
RASIP1 (1.7)	NCAN (1.6)
NUP93 (1.8)	C19orf52 (1.7)
CARM1 (1.7)	R3HDM1 (1.7)
ABO (1.5)	FER1L4 (1.4)
MAU2 (1.1)	DHODH (1.1)

NCAN (2.1)	ENSG00000244861 (1
FER1L4 (1.6)	ENSG00000226648 (1
NCAN (1.6)	ABO (1.4)
NCAN (1.6)	ABO (1.4)
BMPR2 (1.4)	ENSG00000226648 (1
SLC22A3 (1.4)	COL4A3BP (1.4)
C19orf52 (1.1)	FUT2 (0.8)
ZNF821 (1.3)	LPIN3 (1.1)
ZNF821 (1.3)	LPIN3 (1.1)
PBX4 (1.5)	LPIN3 (1.5)
DARS (1.5)	ERGIC3 (1.5)
CEP250 (1.9)	PSMA5 (1.8)
GPR61 (1.6)	ATP13A1 (1.5)
YSK4 (1.5)	ABCA5 (1.2)
FADS1 (1.3)	CILP2 (1.3)
ATXN1L (1.4)	ENSG00000226648 (1
ENSG00000226806 (1	NCAN (1.5)
DHX38 (2.0)	MAU2 (1.9)
EHBP1 (1.5)	KANK2 (1.4)
KRTCAP3 (1.6)	GPR61 (1.6)
C11orf9 (1.5)	ATXN7L2 (1.5)
IGF2R (1.9)	SYPL2 (1.8)
EHBP1 (2.1)	BUD13 (2.0)
C12orf43 (1.7)	SMARCA4 (1.6)
AMPD2 (1.8)	GNAT2 (1.8)
AMPD2 (1.8)	GNAT2 (1.8)
AMPD2 (1.5)	ENSG00000182329 (1
SUMO1 (1.4)	POC5 (1.4)
ENSG00000235545 ((	ERGIC3 (0.9)
SORT1 (1.3)	PGS1 (1.3)
FADS2 (1.6)	PMFBP1 (1.4)
ST3GAL4 (1.5)	NRBP1 (1.2)
R3HDM1 (1.6)	PPM1G (1.5)
LPA (1.2)	FUT1 (1.2)
R3HDM1 (1.9)	LPIN3 (1.8)
R3HDM1 (1.7)	C12orf43 (1.6)
ATXN1L (1.7)	PMFBP1 (1.6)
MAP3K4 (1.7)	GATAD2A (1.6)
HMGCR (0.7)	FGF21 (0.7)
POLK (1.4)	SLC22A3 (1.4)
YSK4 (1.7)	TXNL4B (1.7)
DARS (1.5)	HNF1A (1.5)
HAPLN4 (1.3)	ZNF259 (1.2)
COL4A3BP (1.6)	ENSG00000226806 (1
ENSG00000231204 (1	FEN1 (1.5)
PBX4 (1.5)	NYNRIN (1.5)
BMPR2 (1.4)	GOT2P1 (1.4)
ENSG00000256731 (1	NYNRIN (1.1)
RAB3GAP1 (1.6)	GPR61 (1.5)
SORT1 (1.2)	GNAT2 (1.2)

DHODH (1.5)	SLC22A1 (1.4)
NRBP1 (1.4)	ATP13A1 (1.4)
NRBP1 (1.4)	ATP13A1 (1.4)
NRBP1 (1.4)	ATP13A1 (1.4)
ABCG8 (1.5)	HAPLN4 (1.5)
CELSR2 (1.5)	ENSG00000236436 (1
DARS (1.6)	PVRL2 (1.6)
PSMA5 (1.4)	POC5 (1.4)
TBKBP1 (1.6)	CYB561D1 (1.5)
BMPR2 (1.6)	SORT1 (1.5)
MAMSTR (1.2)	OBP2B (1.2)
RASIP1 (1.3)	EHBP1 (1.2)
C12orf43 (1.2)	R3HDM1 (1.2)
TXNL4B (1.6)	AMIGO1 (1.5)
C11orf9 (1.4)	COL4A3BP (1.4)
ENSG00000226645 (1	SUGP1 (1.3)
TRAM2 (1.3)	PLCG1 (1.3)
ENSG00000226648 (1	YSK4 (0.9)
COL4A3BP (1.6)	CARM1 (1.6)
COL4A3BP (1.6)	CARM1 (1.6)
COL4A3BP (1.6)	CARM1 (1.6)
PPM1G (1.5)	SNX17 (1.5)
OASL (1.8)	NUP93 (1.8)
C19orf52 (1.5)	UBXN4 (1.4)
GPR61 (2.0)	ENSG00000256731 (1
ENSG00000228044 (1	ATP13A1 (1.4)
ENSG00000228044 (1	ATP13A1 (1.4)
PMFBP1 (1.5)	NCAN (1.5)
R3HDM1 (1.4)	GATAD2A (1.3)
ZNF821 (1.7)	FUT2 (1.3)
RAB3GAP1 (1.6)	IZUMO1 (1.4)
IGF2R (1.9)	SLC22A2 (1.8)
MAU2 (1.9)	PPM1G (1.8)
NOP58 (1.6)	ATP13A1 (1.3)
NPEPPS (1.5)	CYB561D1 (1.4)
NUP93 (1.5)	C19orf52 (1.4)
PGS1 (1.4)	MAMSTR (1.4)
ENSG00000254235 (1	CEP250 (1.3)
MAFB (1.5)	ZHX3 (1.3)
TRIB1 (1.4)	MYLIP (1.3)
IZUMO1 (2.4)	POLK (1.9)
HAPLN4 (1.1)	LPIN3 (1.1)
BMPR2 (1.3)	SLC44A2 (1.2)
GPR61 (1.2)	ENSG00000182329 (1
TOP1 (1.5)	ENSG00000226622 (1
AMIGO1 (1.4)	ZRANB3 (1.4)
BMPR2 (1.3)	PLCG1 (1.3)
ST3GAL4 (1.5)	CELSR2 (1.4)
COL4A3BP (1.6)	MAU2 (1.6)
ZNF513 (1.4)	BMPR2 (1.4)

POC5 (1.6)	KPNB1 (1.6)
NPEPPS (1.6)	TOP1 (1.5)
C19orf52 (1.2)	ENSG00000236436 (1
NCAN (1.1)	NPEPPS (1.0)
CELSR2 (1.5)	ABCA5 (1.5)
GSTM4 (1.7)	HAVCR1 (1.6)
RAB3GAP1 (2.0)	IFT172 (1.9)
ABO (1.5)	USP24 (1.5)
ABO (1.3)	ENSG00000256731 (1
SPATC1 (1.4)	TIMD4 (1.4)
HAPLN4 (1.6)	CILP2 (1.6)
PSRC1 (2.0)	PBX4 (1.8)
ZNF821 (2.1)	BUD13 (2.1)
PSRC1 (1.6)	HNF1A (1.6)
ENSG00000182329 (1	IZUMO1 (1.3)
YSK4 (1.5)	FUT1 (1.5)
BMPR2 (1.4)	IGF2R (1.3)
AMIGO1 (1.3)	GPR61 (1.3)
MAP3K4 (1.7)	ZRANB3 (1.6)
POC5 (1.5)	AMPD2 (1.4)
ATXN1L (1.5)	IST1 (1.5)
POLK (1.3)	TXNL4B (1.3)
ATXN1L (1.7)	LPIN3 (1.6)
TRIM54 (1.5)	C11orf9 (1.5)
DNAH11 (1.5)	HNF1A (1.4)
C19orf52 (1.3)	SUMO1 (1.2)
PMFBP1 (1.4)	GCKR (1.4)
ENSG00000226645 (1	R3HDM1 (1.3)
LPAR2 (1.5)	CILP2 (1.4)
AMIGO1 (1.2)	ABO (1.2)
C19orf52 (1.6)	MAU2 (1.6)
FUT1 (1.6)	ENSG00000231204 (1
APOA4 (1.4)	ENSG00000226648 (1
SPATC1 (1.6)	PBX4 (1.5)
C19orf52 (1.9)	TBKBP1 (1.7)
TRAM2 (0.8)	ABCG8 (0.8)
USP1 (1.9)	ENSG00000236436 (1
ENSG00000226645 (1	CYB561D1 (1.2)
AMPD2 (1.8)	ZNF259 (1.7)
AMPD2 (1.8)	ZNF259 (1.7)
C12orf43 (1.7)	GPAM (1.6)
SUMO1 (1.3)	FEN1 (1.2)
RASIP1 (1.5)	GOT2P1 (1.5)
IST1 (1.5)	TOMM40 (1.5)
FER1L4 (1.3)	MYLIP (1.2)
PLCG1 (1.6)	ZNF513 (1.5)
PBX4 (1.2)	SPATC1 (1.1)
TSSK6 (1.1)	FUT2 (1.0)
ABCA5 (1.9)	COL4A3BP (1.8)
MYLIP (1.2)	ANGPTL3 (1.0)

ATXN7L2 (1.7)	TOP1 (1.6)
TRIM54 (1.5)	ABCA5 (1.5)
IZUMO1 (1.1)	ENSG00000226622 (1
DOCK7 (1.1)	ZRANB3 (1.1)
HNF1A (1.4)	ABCA5 (1.4)
C12orf43 (1.7)	POC5 (1.6)
C12orf43 (1.7)	POC5 (1.6)
PLEC (1.2)	SPATC1 (1.1)
POLK (1.1)	PBX4 (1.0)
KRTCAP3 (1.7)	AMPD2 (1.6)
PCSK9 (1.4)	HNF1A (1.4)
FGF21 (1.3)	LCT (1.2)
PGS1 (1.3)	BMPR2 (1.3)
RAB3GAP1 (1.1)	DOCK7 (0.9)
PBX4 (1.2)	GPR61 (1.1)
ATXN1L (1.9)	MAP3K4 (1.8)
FNDC4 (1.5)	SLC22A2 (1.4)
ENSG00000182329 ((	FUT2 (0.7)
TRAM2 (1.3)	HAVCR1 (1.2)
ZNF821 (1.7)	BCAM (1.6)
PSMA5 (1.1)	ENSG00000244861 (1
C17orf57 (1.5)	SORT1 (1.3)
HAVCR1 (1.3)	NPEPPS (1.3)
ENSG00000226645 (1	FER1L4 (1.4)
OBP2B (1.4)	TBKBP1 (1.4)
TXNL4B (1.8)	SMARCA4 (1.7)
DNAH11 (1.3)	ZHX3 (1.2)
PLCG1 (1.5)	CARM1 (1.4)
PBX4 (1.5)	PMFBP1 (1.4)
OBP2B (1.5)	KANK2 (1.4)
POLK (1.1)	C19orf52 (1.1)
FUT1 (1.5)	MAP3K4 (1.5)
ZRANB3 (1.6)	SLC44A2 (1.3)
ATXN7L2 (1.0)	SARS (0.9)
FADS2 (1.3)	FADS1 (1.2)
MAU2 (1.9)	ABCA5 (1.3)
CYB561D1 (1.6)	GDF5 (1.5)
TOMM40 (1.6)	KRTCAP3 (1.5)
LPAR2 (1.6)	SLC44A2 (1.5)
MAU2 (2.3)	NRBP1 (2.2)
ENSG00000182329 (1	ENSG00000236267 (1
ENSG00000226806 (1	PMFBP1 (1.4)
GSTM4 (1.3)	SUMO1 (1.2)
CYB561D1 (1.8)	MAP3K4 (1.7)
OTX1 (1.4)	LIPG (1.3)
ERGIC3 (1.6)	ENSG00000226648 (1
ZRANB3 (1.6)	NUP93 (1.3)
SUGP1 (1.4)	DNAH11 (1.4)
PMFBP1 (1.5)	YIPF2 (1.5)
BUD13 (1.6)	KPNB1 (1.4)

RAB3GAP1 (1.6)	TOP1 (1.4)
YSK4 (1.8)	ABO (1.7)
TRAM2 (1.4)	POC5 (1.3)
YIPF2 (2.1)	RAB3GAP1 (1.6)
YIPF2 (2.1)	RAB3GAP1 (1.6)
PPM1G (2.1)	ENSG00000226806 (1
C12orf43 (1.2)	ENSG00000228044 (1
GOT2P1 (1.4)	GDF5 (1.4)
SUGP1 (1.5)	ATXN1L (1.5)
ABCA6 (1.7)	ENSG00000236436 (1
ABCA6 (1.7)	ENSG00000236436 (1
PMFBP1 (1.2)	ZNF513 (1.1)
TSSK6 (1.9)	YSK4 (1.9)
GOT2P1 (1.6)	MAU2 (1.5)
FEN1 (1.5)	CEP250 (1.4)
LPL (1.4)	FNDC4 (1.4)
GPAM (1.0)	ENSG00000236436 (0
SPATC1 (1.7)	YSK4 (1.5)
SUMO1 (1.4)	PPM1G (1.4)
TXNL4B (1.0)	GPR61 (0.9)
TXNL4B (1.0)	GPR61 (0.9)
C19orf52 (1.3)	BCAM (1.3)
DOCK7 (1.4)	ABCA6 (1.4)
PBX4 (1.7)	LPAR2 (1.7)
ZNF821 (1.5)	TRIB1 (1.3)
NRBP1 (1.5)	PLEC (1.5)
SYPL2 (1.7)	TBKBP1 (1.6)
R3HDM1 (1.8)	PMFBP1 (1.7)
R3HDM1 (1.8)	PMFBP1 (1.7)
GOT2P1 (1.3)	LPAL2 (1.2)
PSMA5 (1.5)	FGF21 (1.5)
BUD13 (1.5)	NPEPPS (1.4)
BUD13 (1.5)	NPEPPS (1.4)
ERGIC3 (1.6)	PMFBP1 (1.6)
C11orf9 (1.4)	ERGIC3 (1.3)
POC5 (1.6)	RAB3GAP1 (1.5)
GPR61 (1.4)	SLC44A2 (1.4)
ZNF821 (1.4)	FGF21 (1.4)
PCSK9 (1.4)	FEN1 (1.3)
PCSK9 (1.4)	FEN1 (1.3)
PCSK9 (1.4)	FEN1 (1.3)
ENSG00000236267 (1	BMPR2 (1.0)
C19orf52 (1.0)	ENSG00000182329 (1
SPATC1 (1.6)	C17orf57 (1.6)
ENSG00000226648 (1	CLPTM1 (1.7)
FNDC4 (1.6)	NCAN (1.5)
PARP10 (1.4)	CELSR2 (1.4)
ZNF513 (1.7)	ATP13A1 (1.6)
C12orf43 (1.4)	GPR61 (1.4)
APOC1 (1.5)	SORT1 (1.5)

C19orf52 (1.2)	CILP2 (1.2)
ENSG00000226806 (1	PMFBP1 (1.3)
HAPLN4 (1.7)	YIPF2 (1.7)
C17orf57 (1.7)	C12orf43 (1.6)
USP24 (1.4)	CILP2 (1.4)
ZHX3 (1.5)	ENSG00000235545 (1
PMFBP1 (1.2)	ENSG00000235545 (1
ENSG00000244861 (1	GPR61 (1.0)
SUGP1 (1.7)	ZNF821 (1.5)
FUT2 (1.9)	RASIP1 (1.6)
MAU2 (1.2)	ZHX3 (1.2)
LPA (1.3)	ENSG00000226622 (1
ENSG00000256731 (1	CLPTM1 (1.2)
TXNL4B (1.6)	SUMO1 (1.4)
PCSK9 (1.7)	SMARCA4 (1.7)
SLC22A2 (1.8)	APOA4 (1.7)
C19orf52 (1.8)	KPNB1 (1.8)
RAB3GAP1 (1.7)	PSMA5 (1.6)
DHODH (1.5)	SYPL2 (1.5)
YSK4 (1.4)	ENSG00000236267 (1
FGF21 (1.1)	YIPF2 (1.0)
PBX4 (1.9)	PSRC1 (1.8)
ENSG00000235545 (1	TXNL4B (1.3)
NPEPPS (1.8)	ATXN1L (1.6)
SORT1 (1.5)	GSTM5 (1.4)
SNX17 (1.6)	SLC44A2 (1.5)
PSRC1 (1.2)	BMPR2 (1.2)
PSRC1 (1.2)	BMPR2 (1.2)
PSRC1 (1.2)	BMPR2 (1.2)
GOT2P1 (1.8)	EHBP1 (1.7)
ENSG00000226648 (1	ATXN7L2 (1.4)
OBP2B (1.6)	R3HDM1 (1.4)
SUMO1 (1.3)	FNDC4 (1.3)
SUMO1 (1.8)	ZRANB3 (1.7)
BMPR2 (1.6)	FEN1 (1.5)
KRTCAP3 (2.0)	PSMA5 (1.6)
SNX17 (1.5)	DOCK7 (1.5)
CYB561D1 (1.6)	IST1 (1.5)
POLK (1.2)	PBX4 (1.1)
TRIM54 (1.3)	NPEPPS (1.3)
RELB (1.2)	HNF4A (1.2)
POLK (1.4)	LCT (1.3)
POLK (1.4)	LCT (1.3)
MYLIP (1.4)	DNAH11 (1.3)
ZNF513 (1.8)	C19orf52 (1.6)
TOMM40 (1.1)	ENSG00000236436 (1
YIPF2 (2.0)	ENSG00000182329 (1
R3HDM1 (1.6)	MAU2 (1.5)
RASIP1 (1.5)	DOCK6 (1.5)
ATXN7L2 (1.5)	USP1 (1.4)

ABO (1.5)	GNAT2 (1.5)
FNDC4 (1.4)	TXNL4B (1.3)
FEN1 (2.0)	POLK (1.9)
ENSG00000226648 (1	ZHX3 (1.5)
ENSG00000226648 (1	ZHX3 (1.5)
ENSG00000244861 (1	MYLIP (1.5)
TBKBP1 (1.1)	TOMM40 (1.1)
RAB3GAP1 (1.3)	ATXN7L2 (1.2)
RASIP1 (1.4)	SNX17 (1.4)
TOP1 (1.5)	NRBP1 (1.4)
LPAL2 (1.6)	PGS1 (1.6)
ENSG00000256731 (1	SUGP1 (1.2)
SARS (1.3)	GPR61 (1.3)
NRBP1 (1.7)	PLCG1 (1.6)
NYNRIN (1.4)	YIPF2 (1.4)
GDF5 (1.1)	TSSK6 (1.1)
DNAH11 (1.3)	DOCK7 (1.3)
ABCA1 (1.5)	MAU2 (1.5)
GSTM4 (1.3)	SUMO1 (1.2)
PARP10 (1.6)	MAU2 (1.6)
HAPLN4 (1.6)	ATXN1L (1.6)
NUP93 (1.3)	FEN1 (1.3)
HNF1A (1.8)	ERGIC3 (1.6)
R3HDM1 (1.1)	DOCK7 (1.1)
SLC22A3 (1.4)	FUT2 (1.3)
TBKBP1 (1.6)	DHX38 (1.4)
FER1L4 (1.3)	EHBP1 (1.3)
OASL (1.5)	SARS (1.3)
DOCK7 (1.3)	FEN1 (1.2)
BMPR2 (1.3)	PPM1G (1.3)
SORT1 (1.2)	ZHX3 (1.2)
SUMO1 (1.2)	FUT1 (1.2)
PBX4 (1.4)	SNX17 (1.2)
PSRC1 (1.6)	GATAD2A (1.5)
ZRANB3 (1.5)	IGF2R (1.4)
ZRANB3 (1.5)	IGF2R (1.4)
RASIP1 (1.3)	PBX4 (1.2)
RASIP1 (1.3)	PBX4 (1.2)
C19orf52 (1.4)	ATXN7L2 (1.3)
NUP93 (1.3)	FEN1 (1.3)
ATXN7L2 (1.3)	TOMM40 (1.3)
CILP2 (1.4)	TBKBP1 (1.4)
PBX4 (1.2)	SUMO1 (1.2)
NCAN (1.4)	SYPL2 (1.4)
ERGIC3 (1.6)	PMFBP1 (1.6)
OBP2B (1.5)	YSK4 (1.5)
C12orf43 (1.5)	GPR61 (1.3)
ERGIC3 (1.6)	YIPF2 (1.4)
PPM1G (1.8)	NPEPPS (1.7)
NYNRIN (1.3)	HMGCR (1.3)

TXNL4B (1.2)	POLK (1.2)
USP1 (1.5)	PBX4 (1.4)
DARS (1.3)	UBXN4 (1.1)
PGS1 (1.3)	GNAI3 (1.3)
SUMO1 (1.8)	SARS (1.8)
SORT1 (1.6)	LPIN3 (1.5)
CILP2 (1.3)	ENSG00000244861 (1
DARS (2.0)	SLC22A3 (1.9)
GRINA (1.1)	ENSG00000235545 (1
NOP58 (1.4)	YSK4 (1.4)
BUD13 (1.4)	C19orf52 (1.3)
C12orf43 (1.3)	ENSG00000231204 (1
CLPTM1 (1.6)	GOT2P1 (1.6)
DOCK7 (1.6)	CEP250 (1.6)
POLK (1.4)	NYNRIN (1.3)
PLCG1 (1.4)	TRIM54 (1.3)
FADS1 (1.6)	POLK (1.4)
FADS1 (1.4)	C12orf43 (1.4)
KANK2 (0.9)	FUT2 (0.9)
GSTM5 (1.4)	KANK2 (1.3)
RAB3GAP1 (1.3)	ZHX3 (1.2)
ENSG00000226622 (1	FEN1 (1.1)
ENSG00000226622 (1	FEN1 (1.1)
HNF1A (0.9)	TOMM40 (0.9)
ZNF259 (1.4)	GOT2P1 (1.3)
SNX17 (1.4)	C19orf52 (1.4)
YSK4 (1.4)	SORT1 (1.2)
YSK4 (1.4)	SORT1 (1.2)
TOMM40 (1.4)	HAVCR1 (1.3)
ENSG00000235545 (1	CETP (1.3)
SYPL2 (1.3)	FUT2 (1.2)
NYNRIN (1.4)	ENSG00000236436 (1
GSTM5 (1.8)	ENSG00000236267 (1
TSSK6 (1.1)	YIPF2 (1.0)
C12orf43 (1.4)	R3HDM1 (1.3)
DHX38 (1.8)	TXNL4B (1.8)
IST1 (1.9)	NPEPPS (1.7)
C12orf43 (1.4)	MAP3K4 (1.3)
GATAD2A (1.6)	ATXN7L2 (1.6)
DARS (1.6)	R3HDM1 (1.5)
TSSK6 (1.8)	SPATC1 (1.6)
C12orf43 (1.4)	SARS (1.3)
ENSG00000182329 (1	TBKBP1 (1.1)
C11orf9 (1.3)	SPATC1 (1.2)
C11orf9 (1.3)	SPATC1 (1.2)
GNAT2 (1.7)	RAB3GAP1 (1.6)
CELSR2 (1.4)	ENSG00000226806 (1
ERGIC3 (1.6)	YSK4 (1.6)
USP1 (1.1)	TM6SF2 (1.1)
CYP26A1 (1.4)	ZNF821 (1.3)

MCM6 (1.4)	SMARCA4 (1.4)
FEN1 (1.3)	NOP58 (1.3)
FEN1 (1.3)	NOP58 (1.3)
FEN1 (1.3)	NOP58 (1.3)
PMFBP1 (1.6)	ERGIC3 (1.6)
ZHX3 (1.5)	SPATC1 (1.4)
ERGIC3 (1.6)	PPM1G (1.5)
DHX38 (1.4)	GATAD2A (1.4)
PPM1G (1.6)	PLCG1 (1.6)
IST1 (1.7)	SLC22A2 (1.6)
ENSG00000244861 (1	COL4A3BP (1.5)
TOMM40 (1.0)	TBKBP1 (1.0)
NOP58 (1.5)	AMIGO1 (1.5)
ENSG00000226622 (1	CLPTM1 (1.6)
FEN1 (1.4)	NOP58 (1.4)
LCT (1.6)	LPAL2 (1.5)
TRIM54 (1.3)	ENSG00000236436 (1
CYB561D1 (2.0)	SNX17 (2.0)
ERGIC3 (1.5)	GNAT2 (1.5)
TRIM54 (1.8)	FUT1 (1.7)
BCAM (1.4)	HNF1A (1.3)
FUT1 (1.4)	MAP3K4 (1.2)
IFT172 (1.6)	C17orf57 (1.4)
KANK2 (1.3)	LCT (1.3)
ENSG00000235545 (1	C19orf52 (1.2)
BCAM (1.4)	AMPD2 (1.4)
TXNL4B (1.6)	GPR61 (1.5)
R3HDM1 (1.7)	SUGP1 (1.7)
TBKBP1 (0.9)	GSTM4 (0.9)
SNX17 (1.1)	GNAI3 (1.0)
ERGIC3 (0.9)	IST1 (0.9)
USP1 (1.9)	ENSG00000236436 (1
NCAN (1.5)	ENSG00000226645 (1
NCAN (1.5)	ENSG00000226645 (1
MAU2 (1.9)	ABCA5 (1.9)
C19orf52 (1.6)	PMFBP1 (1.5)
RAB3GAP1 (1.7)	OBP2B (1.6)
KPNB1 (1.6)	SMARCA4 (1.5)
POLK (1.2)	COL4A3BP (1.1)
AMIGO1 (1.4)	TSSK6 (1.4)
AMIGO1 (1.4)	TSSK6 (1.4)
SLC22A3 (1.4)	POLK (1.4)
PMFBP1 (1.6)	NCAN (1.5)
ENSG00000256731 (1	PMFBP1 (1.6)
ST3GAL4 (1.4)	CELSR2 (1.3)
CEP250 (1.3)	POC5 (1.2)
ENSG00000236436 (1	SPATC1 (1.7)
ENSG00000226622 (1	GSTM5 (1.6)
ENSG00000226622 (1	GSTM5 (1.6)
KANK2 (1.6)	ENSG00000231204 (1

SLC22A3 (1.4)	IZUMO1 (1.2)
LPL (1.4)	HNF1A (1.4)
ABCG8 (1.1)	ENSG00000226648 (1
DOCK7 (1.5)	POLK (1.4)
C19orf52 (1.4)	HAPLN4 (1.3)
FER1L4 (1.5)	FUT1 (1.4)
FNDC4 (1.6)	TBKBP1 (1.5)
DARS (1.6)	SNX17 (1.5)
C19orf52 (1.4)	C12orf43 (1.3)
FUT2 (1.9)	EHBP1 (1.7)
PCSK9 (1.7)	SMARCA4 (1.7)
BUD13 (1.3)	LPAR2 (1.3)
OTX1 (1.2)	TSSK6 (1.1)
MAP3K4 (1.5)	OTX1 (1.5)
GNAI3 (1.9)	SMARCA4 (1.7)
SLC22A1 (1.5)	PBX4 (1.4)
PLEC (1.6)	SMARCA4 (1.5)
USP24 (1.4)	ENSG00000182329 (1
C19orf52 (1.5)	HAPLN4 (1.4)
ZNF259 (1.8)	PPM1G (1.7)
BMPR2 (1.3)	FUT1 (1.2)
USP1 (1.6)	TXNL4B (1.6)
LPAR2 (1.4)	ZNF259 (1.2)
TBKBP1 (1.6)	SYPL2 (1.6)
ENSG00000228044 (1	ENSG00000235545 (1
BUD13 (1.4)	NPEPPS (1.4)
PSMA5 (1.4)	SNX17 (1.3)
PMFBP1 (1.6)	APOE (1.4)
ENSG00000236436 (1	GNAT2 (1.2)
CLPTM1 (1.3)	APOE (1.2)
KPNB1 (0.9)	ENSG00000236267 (0
ATXN1L (1.3)	ZNF821 (1.3)
ABCA6 (1.7)	ENSG00000182329 (1
ENSG00000236267 (1	C19orf52 (1.3)
SNX17 (1.5)	IST1 (1.5)
CILP2 (0.9)	SNX17 (0.9)
AMPD2 (1.7)	AMIGO1 (1.7)
DHX38 (1.4)	ZNF513 (1.4)
C17orf57 (1.5)	ENSG00000226622 (1
C17orf57 (1.2)	GATAD2A (1.2)
CILP2 (1.8)	FGF21 (1.6)
ABO (1.5)	CARM1 (1.4)
IZUMO1 (1.6)	IFT172 (1.6)
ENSG00000182329 (1	ENSG00000226806 (1
EHBP1 (1.8)	NUP93 (1.8)
ENSG00000244861 (1	ZHX3 (1.8)
LPIN3 (1.4)	SUGP1 (1.4)
ENSG00000182329 (1	CYB561D1 (1.4)
GRINA (1.5)	CELSR2 (1.4)
FNDC4 (1.2)	CELSR2 (1.1)

ENSG00000226645 (1	NPEPPS (1.7)
TSSK6 (1.5)	TOP1 (1.4)
LPIN3 (1.2)	ENSG00000236267 (1
FUT1 (1.7)	YSK4 (1.5)
LCT (1.4)	ENSG00000182329 (1
TSSK6 (1.5)	SNX17 (1.4)
R3HDM1 (1.7)	FNDC4 (1.5)
LPIN3 (1.6)	PBX4 (1.5)
ENSG00000182329 (1	BUD13 (1.4)
MCM6 (1.7)	BUD13 (1.7)
GOT2P1 (1.2)	HAPLN4 (1.2)
CELSR2 (1.8)	LPIN3 (1.7)
TOMM40 (1.0)	ERGIC3 (0.9)
FEN1 (1.5)	NUP93 (1.5)
R3HDM1 (1.5)	KRTCAP3 (1.4)
HAPLN4 (1.1)	ATXN7L2 (0.9)
ERGIC3 (1.3)	MAU2 (1.3)
HAPLN4 (1.4)	FNDC4 (1.4)
NOP58 (1.3)	ENSG00000182329 (1
POC5 (2.0)	ZNF259 (1.8)
HAPLN4 (1.8)	TBKBP1 (1.8)
ENSG00000226622 (1	BCAM (1.1)
ENSG00000231204 (1	FNDC4 (1.8)
ENSG00000236436 (1	ENSG00000254235 (1
ZNF513 (1.3)	C19orf52 (1.2)
RASIP1 (1.7)	ABO (1.4)
SUGP1 (1.7)	R3HDM1 (1.6)
ENSG00000226645 (1	PSRC1 (1.6)
R3HDM1 (1.3)	GNAI3 (1.3)
AMIGO1 (1.6)	ENSG00000236436 (1
FUT1 (1.7)	PBX4 (1.5)
AMIGO1 (1.4)	PARP10 (1.4)
CEP250 (1.3)	SUGP1 (1.2)
TOMM40 (1.1)	POC5 (1.0)
RAB3GAP1 (1.0)	GSTM4 (0.9)
SUMO1 (1.2)	GMIP (1.1)
NCAN (1.7)	CYB561D1 (1.6)
KRTCAP3 (1.0)	FGF21 (1.0)
IGF2R (1.5)	APOE (1.4)
DOCK7 (1.1)	KANK2 (1.1)
PBX4 (1.7)	R3HDM1 (1.6)
ENSG00000244861 (1	ENSG00000236267 (1
ABO (1.7)	NPEPPS (1.7)
TOMM40 (0.9)	GPAM (0.9)
DNAH11 (1.0)	ERGIC3 (1.0)
RAB3GAP1 (1.4)	SLC22A2 (1.4)
SARS (1.4)	TOMM40 (1.4)
ENSG00000228044 (1	IZUMO1 (1.4)
ENSG00000226645 (1	ENSG00000231204 (1
SPATC1 (1.5)	NCAN (1.3)

FER1L4 (1.1)	IST1 (1.0)
SLC22A2 (1.3)	KRTCAP3 (1.2)
APOE (1.4)	ATXN7L2 (1.3)
EHBP1 (1.5)	ZHX3 (1.5)
CLPTM1 (1.2)	LPAR2 (1.2)
LPAL2 (1.6)	MAU2 (1.5)
CARM1 (1.3)	ENSG00000226645 (1
OTX1 (1.4)	GNAT2 (1.2)
NOP58 (1.2)	SUGP1 (1.1)
CLPTM1 (1.6)	C11orf9 (1.5)
TSSK6 (1.5)	USP24 (1.4)
GSTM4 (1.2)	SARS (1.2)
C12orf43 (1.6)	NOP58 (1.6)
ENSG00000244861 (1	ENSG00000236267 (1
YSK4 (1.6)	SORT1 (1.6)
CETP (1.6)	NCAN (1.5)
GSTM5 (1.6)	SORT1 (1.5)
C12orf43 (1.4)	HAPLN4 (1.2)
EHBP1 (1.6)	ENSG00000235545 (1
FGF21 (1.4)	YSK4 (1.4)
TM6SF2 (1.7)	ENSG00000244861 (1
GSTM5 (1.6)	COL4A3BP (1.5)
GRINA (1.4)	ABCA5 (1.4)
AMPD2 (1.6)	DOCK7 (1.5)
ERGIC3 (0.9)	IFT172 (0.9)
LPAL2 (1.8)	ENSG00000182329 (1
AMPD2 (1.5)	HAPLN4 (1.5)
DNAH11 (1.7)	CYP26A1 (1.6)
FGF21 (1.2)	TXNL4B (1.2)
CBLC (1.5)	ENSG00000231204 (1
R3HDM1 (1.6)	TRIM54 (1.6)
ZHX3 (1.4)	PLEC (1.4)
TBKBP1 (1.3)	ENSG00000226648 (1
TBKBP1 (1.3)	ENSG00000226648 (1
RAB3GAP1 (1.2)	POLK (1.2)
DHX38 (1.9)	ENSG00000235545 (1
ABCA5 (1.6)	MAMSTR (1.6)
TSSK6 (1.2)	IZUMO1 (1.2)
ENSG00000236436 (1	ENSG00000226806 (1
HMGCR (1.5)	FADS2 (1.3)
ABO (1.6)	C12orf43 (1.6)
HAVCR1 (1.3)	LPAR2 (1.2)
USP1 (1.5)	ZNF821 (1.2)
UBXN4 (1.9)	ZNF821 (1.8)
C12orf43 (1.9)	TSSK6 (1.8)
MAU2 (1.3)	ABO (1.3)
IZUMO1 (1.6)	TSSK6 (1.5)
SPATC1 (1.5)	ZRANB3 (1.3)
LPAL2 (1.2)	ENSG00000228044 (1
EHBP1 (1.4)	PBX4 (1.3)

ERGIC3 (1.5)	YSK4 (1.4)
CLPTM1 (1.3)	GOT2P1 (1.3)
CYB561D1 (1.5)	GNAT2 (1.3)
PPM1G (1.6)	PLCG1 (1.6)
IGF2R (1.3)	DOCK7 (1.3)
ERGIC3 (1.0)	HAVCR1 (0.9)
FADS2 (1.4)	ABCA5 (1.2)
ST3GAL4 (1.3)	CYP26A1 (1.3)
ABO (1.5)	HNF1A (1.4)
DOCK6 (1.9)	RASIP1 (1.8)
PSMA5 (1.2)	IFT172 (1.1)
USP1 (2.2)	NOP58 (1.9)
HAVCR1 (1.5)	SLC22A2 (1.5)
SUGP1 (1.8)	RAB3GAP1 (1.8)
OBP2B (1.3)	GPR61 (1.3)
AMIGO1 (1.7)	TBKBP1 (1.5)
MAU2 (1.3)	SNX17 (1.3)
ENSG00000226648 (1	ZNF821 (1.5)
CELSR2 (1.5)	FER1L4 (1.5)
C11orf9 (1.5)	PLCG1 (1.5)
ABCG8 (1.5)	COL4A3BP (1.5)
FNDC4 (1.4)	SYPL2 (1.3)
FGF21 (1.4)	HAVCR1 (1.4)
NCAN (1.8)	ENSG00000182329 (1
GPR61 (1.1)	TM6SF2 (1.1)
TSSK6 (1.4)	HNF1A (1.3)
FUT1 (1.5)	R3HDM1 (1.3)
DOCK6 (1.4)	ENSG00000226806 (1
RAB3GAP1 (0.9)	CILP2 (0.9)
IST1 (1.7)	ZNF513 (1.6)
SARS (1.1)	AMIGO1 (1.0)
GNAI3 (1.9)	LCT (1.9)
BCAM (1.0)	APOE (1.0)
OBP2B (1.3)	LPIN3 (1.3)
MYLIP (1.2)	MAFB (1.2)
ENSG00000226648 (1	GSTM4 (1.4)
RASIP1 (1.0)	GOT2P1 (1.0)
GATAD2A (1.5)	TBKBP1 (1.4)
C19orf52 (1.1)	IGF2R (1.0)
RAB3GAP1 (1.4)	PBX4 (1.4)
SPATC1 (1.5)	CILP2 (1.4)
IZUMO1 (1.4)	PMFBP1 (1.2)
IZUMO1 (1.4)	PMFBP1 (1.2)
ABCA5 (1.6)	OTX1 (1.5)
FUT1 (1.2)	USP1 (1.2)
TBKBP1 (1.5)	FADS2 (1.5)
BMPR2 (1.3)	ABCA5 (1.3)
AMIGO1 (1.3)	OTX1 (1.3)
SORT1 (1.8)	RAB3GAP1 (1.8)
BUD13 (1.3)	HAVCR1 (1.1)

SLC22A2 (0.9)	TOMM40 (0.9)
ZHX3 (1.2)	KPNB1 (1.1)
NUP93 (1.4)	MAP3K4 (1.3)
SUGP1 (1.4)	BMPR2 (1.4)
FGF21 (1.6)	ATXN7L2 (1.5)
NRBP1 (1.3)	SUGP1 (1.3)
GPAM (1.0)	ENSG00000182329 (0
AMIGO1 (1.8)	ENSG00000236267 (1
IFT172 (1.0)	GPAM (0.9)
IFT172 (1.0)	GPAM (0.9)
IFT172 (1.0)	GPAM (0.9)
HNF1A (1.0)	LPL (0.9)
COL4A3BP (1.9)	IST1 (1.9)
POLK (1.1)	PVR (0.9)
GSTM5 (1.2)	C17orf57 (1.1)
PPM1G (1.8)	MCM6 (1.8)
CLPTM1 (1.5)	BMPR2 (1.4)
LCT (1.9)	FNDC4 (1.9)
ENSG00000244861 (1	SYPL2 (1.0)
ATXN1L (1.7)	R3HDM1 (1.7)
SLC22A2 (1.7)	TBKBP1 (1.5)
ENSG00000256731 (1	HAPLN4 (1.5)
PMFBP1 (1.6)	IZUMO1 (1.6)
PMFBP1 (1.6)	IZUMO1 (1.6)
ERGIC3 (1.0)	HAVCR1 (0.9)
FGF21 (1.3)	LCT (1.3)
LPAR2 (1.4)	SPATC1 (1.3)
C19orf52 (1.5)	SNX17 (1.4)
PBX4 (1.3)	PGS1 (1.2)
MAMSTR (1.6)	GNAI3 (1.5)
HAVCR1 (1.2)	ENSG00000226648 (1
DHODH (1.3)	IGF2R (1.3)
CEP250 (1.7)	PMFBP1 (1.5)
ENSG00000256731 (1	YSK4 (1.4)
R3HDM1 (1.7)	OTX1 (1.6)
RAB3GAP1 (1.5)	RASIP1 (1.2)
MAU2 (1.3)	SLC44A2 (1.2)
C19orf52 (1.7)	CYB561D1 (1.6)
LPAR2 (1.4)	MAU2 (1.2)
CEP250 (1.6)	PSRC1 (1.5)
RAB3GAP1 (1.6)	CELSR2 (1.6)
ERGIC3 (1.0)	TOMM40 (1.0)
ERGIC3 (1.0)	TOMM40 (1.0)
ATP13A1 (1.2)	C11orf9 (1.1)
GDF5 (1.7)	FNDC4 (1.7)
IFT172 (0.9)	TBKBP1 (0.9)
IFT172 (0.9)	TBKBP1 (0.9)
IFT172 (0.9)	TBKBP1 (0.9)
FADS1 (1.5)	SARS (1.5)
LDLR (1.3)	OTX1 (1.3)

ENSG00000244861 (1	CYB561D1 (1.3)
HAVCR1 (1.0)	ENSG00000182329 (1
AMPD2 (1.4)	COL4A3BP (1.3)
FADS2 (1.4)	C11orf9 (1.3)
GNAI3 (2.0)	LPL (1.8)
ENSG00000244861 (1	OBP2B (1.1)
ERGIC3 (1.0)	ENSG00000182329 (0
ERGIC3 (1.0)	ENSG00000182329 (0
TBKBP1 (0.9)	LPL (0.9)
SUMO1 (1.6)	POC5 (1.5)
SUMO1 (1.6)	POC5 (1.5)
MAU2 (1.3)	ENSG00000226645 (1
PPM1G (1.2)	NPEPPS (1.2)
ZNF259 (1.4)	GRINA (1.4)
OASL (1.5)	ENSG00000226645 (1
ERGIC3 (0.9)	ENSG00000182329 (0
RELB (1.0)	C19orf52 (0.9)
GSTM4 (1.4)	BUD13 (1.4)
HAVCR1 (0.9)	TBKBP1 (0.9)
FADS1 (1.5)	AMIGO1 (1.4)
PMFBP1 (1.5)	HNF1A (1.4)
TBKBP1 (1.6)	GDF5 (1.6)
LPAL2 (2.0)	LPIN3 (2.0)
TRIM54 (1.8)	AMIGO1 (1.7)
ZRANB3 (1.5)	KPNB1 (1.5)
GPR61 (1.7)	TBKBP1 (1.6)
CYB561D1 (1.3)	LPL (1.3)
ERGIC3 (0.9)	HAVCR1 (0.9)
ERGIC3 (0.9)	HAVCR1 (0.9)
ERGIC3 (0.9)	HAVCR1 (0.9)
ERGIC3 (0.9)	HAVCR1 (0.9)
POC5 (1.4)	DOCK7 (1.4)
HNF1A (0.9)	ENSG00000244861 (0
C19orf52 (1.3)	BUD13 (1.3)
GPAM (0.9)	ERGIC3 (0.9)
GPR61 (1.3)	ZNF821 (1.2)
FNDC4 (1.3)	SARS (1.2)
CETP (1.1)	TOMM40 (1.0)
SLC44A2 (1.6)	PLEC (1.4)
DARS (1.4)	NPEPPS (1.3)
TBKBP1 (1.0)	HAVCR1 (1.0)
MAMSTR (1.7)	ERGIC3 (1.6)
ZRANB3 (1.5)	FGF21 (1.4)
ENSG00000182329 (1	LPL (0.9)
CETP (1.2)	SLC22A2 (1.2)
ENSG00000182329 (1	TOMM40 (1.0)
SPATC1 (1.3)	LPAL2 (1.2)
EHBP1 (1.7)	TRIM54 (1.5)
DHODH (1.8)	TOMM40 (1.5)
LPAL2 (1.5)	GSTM4 (1.5)

GPAM (0.9)	TBKBP1 (0.9)
PMFBP1 (1.6)	ENSG00000182329 (1
KRTCAP3 (1.2)	CEP250 (1.2)
ATXN1L (1.4)	ATXN7L2 (1.3)
YSK4 (1.3)	FGF21 (1.2)
PARP10 (1.6)	OASL (1.6)
SUMO1 (1.8)	ENSG00000226648 (1
C12orf43 (1.5)	FADS2 (1.4)
TRIB1 (1.5)	GPR61 (1.5)
FNDC4 (1.3)	IST1 (1.3)
C12orf43 (1.4)	HMGCR (1.4)
MAP3K4 (1.9)	CEP250 (1.7)
LPL (0.9)	ERGIC3 (0.9)
GSTM5 (1.7)	HAPLN4 (1.6)
CLPTM1 (1.5)	LPAR2 (1.5)
OBP2B (1.4)	CELSR2 (1.3)
ABCA6 (1.3)	IZUMO1 (1.3)
ENSG00000226806 (1	EHBP1 (1.3)
C12orf43 (1.2)	HAVCR1 (1.2)
ATXN1L (1.7)	TRIM54 (1.6)
CELSR2 (1.5)	LPL (1.4)
R3HDM1 (1.5)	TXNL4B (1.4)
ENSG00000228044 (1	COL4A3BP (1.1)
SLC22A2 (1.0)	ENSG00000226648 (0
SORT1 (1.2)	HAPLN4 (1.2)
ENSG00000226806 (1	LPAR2 (1.2)
ENSG00000228044 (1	EHBP1 (1.0)
ENSG00000244861 (1	PPM1G (1.5)
PCSK9 (1.2)	PGS1 (1.0)
FER1L4 (1.2)	NPEPPS (1.2)
ENSG00000226622 (1	YSK4 (1.4)
CEP250 (1.6)	FUT1 (1.4)
PSRC1 (1.5)	ZNF821 (1.3)
FADS2 (1.4)	NYNRIN (1.3)
MAU2 (1.4)	DOCK7 (1.3)
APOE (1.0)	HAPLN4 (1.0)
GNAI3 (1.5)	HAPLN4 (1.2)
FNDC4 (1.5)	C12orf43 (1.4)
SUMO1 (1.1)	GNAT2 (1.1)
NOP58 (1.0)	SUGP1 (1.0)
LPL (0.9)	HAVCR1 (0.9)
LPL (0.9)	HAVCR1 (0.9)
ENSG00000244861 (1	COL4A3BP (1.3)
SORT1 (1.3)	NCAN (1.1)
ENSG00000231204 (1	AMPD2 (1.1)
ENSG00000235545 (1	ZNF513 (1.3)
IFT172 (1.7)	LIPG (1.6)
MAFB (1.3)	ZNF821 (1.2)
MYLIP (1.4)	ATXN1L (1.4)
CEP250 (1.6)	FGF21 (1.4)

ENSG00000226648 (1	ENSG00000235545 (1
SPATC1 (1.4)	ENSG00000226622 (1
PVR (1.2)	GNAI3 (1.2)
ATXN1L (1.6)	TOMM40 (1.4)
HAPLN4 (1.4)	SORT1 (1.4)
SLC22A3 (1.3)	RAB3GAP1 (1.3)
NPEPPS (1.4)	RAB3GAP1 (1.4)
ST3GAL4 (1.6)	BUD13 (1.6)
PMFBP1 (1.4)	SLC22A2 (1.4)
C19orf52 (1.4)	GOT2P1 (1.4)
ENSG00000228044 (1	CELSR2 (1.5)
TRAM2 (1.3)	PGS1 (1.3)
ATP13A1 (1.3)	NPEPPS (1.2)
TBKBP1 (1.4)	ENSG00000226648 (1
MAP3K4 (1.3)	R3HDM1 (1.3)
FUT2 (1.3)	MAU2 (1.3)
ENSG00000226648 (1	GSTM4 (1.6)
TRIB1 (1.3)	FNDC4 (1.3)
HNF1A (1.5)	GOT2P1 (1.5)
GNAT2 (1.3)	POC5 (1.3)
POLK (1.6)	CARM1 (1.6)
FGF21 (1.8)	IZUMO1 (1.7)
FGF21 (1.8)	IZUMO1 (1.7)
FADS2 (1.6)	C12orf43 (1.5)
KRTCAP3 (1.3)	C19orf52 (1.2)
C12orf43 (1.3)	DOCK6 (1.3)
C12orf43 (1.3)	COL4A3BP (1.3)
ENSG00000231204 (1	MYLIP (1.1)
GNAT2 (1.2)	ZRANB3 (1.2)
ENSG00000226648 (1	IZUMO1 (1.4)
ABCA5 (1.2)	PCSK9 (1.1)
ENSG00000235545 (1	USP1 (1.0)
NPEPPS (1.5)	KPNB1 (1.5)
GSTM4 (1.2)	GNAI3 (1.2)
SUMO1 (1.5)	LIPG (1.5)
RAB3GAP1 (1.5)	DHX38 (1.5)
FADS2 (1.3)	AMIGO1 (1.3)
ZHX3 (1.7)	ZNF513 (1.6)
CELSR2 (1.3)	FGF21 (1.3)
GPR61 (1.3)	TRIM54 (1.3)
HAPLN4 (1.8)	YSK4 (1.7)
ZNF821 (0.8)	FER1L4 (0.8)
ZNF821 (0.8)	FER1L4 (0.8)
HAPLN4 (1.7)	LPL (1.6)
AMPD2 (1.5)	ZHX3 (1.2)
R3HDM1 (1.7)	SARS (1.4)
C12orf43 (1.3)	HAVCR1 (1.3)
IZUMO1 (1.5)	ENSG00000226648 (1
OTX1 (1.1)	SPATC1 (1.1)
HMGCR (1.4)	AMIGO1 (1.3)

ENSG00000226806 (1	FNDC4 (1.3)
CEP250 (1.3)	DOCK7 (1.2)
FER1L4 (1.3)	TXNL4B (1.3)
MAU2 (1.6)	PMFBP1 (1.6)
EHBP1 (1.5)	FUT2 (1.4)
ENSG00000182329 (1	LPAR2 (1.2)
SMARCA4 (1.2)	USP1 (1.2)
LPAL2 (1.7)	SORT1 (1.6)
SPATC1 (1.6)	PMFBP1 (1.5)
ZNF259 (1.5)	LPAL2 (1.4)
ENSG00000182329 (1	SPATC1 (1.3)
CARM1 (1.3)	C11orf9 (1.3)
MAU2 (1.5)	CELSR2 (1.4)
LPAR2 (1.6)	TBKBP1 (1.5)
OBP2B (1.4)	MAMSTR (1.2)
TOMM40 (0.9)	ENSG00000244861 (0
LPAL2 (1.9)	AMIGO1 (1.7)
LPIN3 (1.2)	TBKBP1 (1.2)
ENSG00000231204 (1	NOP58 (1.0)
ENSG00000231204 (1	NOP58 (1.0)
ABCA5 (1.5)	C12orf43 (1.5)
GRINA (1.3)	C12orf43 (1.3)
C12orf43 (1.5)	OTX1 (1.4)
POC5 (1.7)	R3HDM1 (1.6)
ABCG8 (1.5)	APOA4 (1.4)
TOP1 (1.1)	CYP26A1 (1.0)
C11orf9 (1.2)	ENSG00000182329 (1
FNDC4 (1.1)	FGF21 (1.1)
IFT172 (0.9)	ENSG00000182329 (0
IFT172 (1.5)	PVR (1.3)
RAB3GAP1 (1.4)	FER1L4 (1.3)
ENSG00000256731 (1	ENSG00000226622 (1
YIPF2 (1.3)	C19orf52 (1.3)
YIPF2 (1.3)	C19orf52 (1.3)
MYLIP (1.3)	IST1 (1.3)
C12orf43 (1.5)	AMIGO1 (1.5)
IST1 (1.2)	IGF2R (1.2)
KPNB1 (1.3)	ATXN7L2 (1.2)
BUD13 (1.5)	CYB561D1 (1.3)
R3HDM1 (1.6)	HAPLN4 (1.6)
NYNRIN (1.3)	LPL (1.3)
R3HDM1 (1.6)	FER1L4 (1.6)
NCAN (1.3)	YIPF2 (1.2)
FADS1 (1.2)	USP24 (1.1)
ENSG00000236267 (1	GATAD2A (1.4)
ENSG00000182329 (1	PBX4 (1.1)
AMIGO1 (1.4)	ATXN7L2 (1.2)
ENSG00000236267 (1	ENSG00000182329 (1
AMIGO1 (1.5)	ABCA5 (1.4)
CYB561D1 (1.4)	BMPR2 (1.4)

ENSG00000244861 (1	ENSG00000236436 (1
TXNL4B (1.1)	CILP2 (1.0)
HAPLN4 (1.5)	C12orf43 (1.4)
C11orf9 (1.6)	GSTM5 (1.5)
PVR (1.3)	CLPTM1 (1.3)
DOCK6 (1.4)	FGF21 (1.4)
ENSG00000226648 (1	TXNL4B (1.1)
AMIGO1 (1.5)	FADS2 (1.4)
AMIGO1 (1.4)	GPR61 (1.2)
ENSG00000226645 (1	ENSG00000235545 (1
C12orf43 (1.7)	ENSG00000231204 (1
IFT172 (1.2)	OBP2B (1.1)
TSSK6 (1.8)	NCAN (1.6)
HNF1A (1.2)	R3HDM1 (1.2)
OBP2B (1.0)	UBXN4 (1.0)
HAPLN4 (1.5)	ABCA5 (1.4)
C12orf43 (1.5)	HAPLN4 (1.4)
FER1L4 (1.0)	IZUMO1 (1.0)
ABCA5 (1.5)	HMGCR (1.5)
USP1 (1.6)	C19orf52 (1.4)
YSK4 (1.6)	AMIGO1 (1.5)
AMIGO1 (1.4)	ABCA5 (1.4)
COL4A3BP (1.7)	SNX17 (1.6)
BMPR2 (1.2)	COL4A3BP (1.2)
ENSG00000236436 ((	MAMSTR (0.9)
TOMM40 (1.3)	SLC22A1 (1.3)
USP24 (1.4)	APOE (1.1)
CLPTM1 (1.7)	BMPR2 (1.7)
MAU2 (1.4)	CLPTM1 (1.4)
TBKBP1 (1.4)	MAMSTR (1.4)
ABCA5 (1.4)	AMPD2 (1.4)
ABCA5 (1.6)	HMGCR (1.4)
YIPF2 (1.3)	RAB3GAP1 (1.3)
HAPLN4 (1.6)	C12orf43 (1.5)
CELSR2 (1.2)	ST3GAL4 (1.1)
AMIGO1 (2.0)	TM6SF2 (1.6)
TSSK6 (1.5)	CELSR2 (1.3)
LPAL2 (1.4)	BCAM (1.4)
SORT1 (1.8)	POLK (1.7)
HAPLN4 (1.6)	C12orf43 (1.6)
ATXN7L2 (1.6)	ENSG00000226645 (1
HNF1A (1.2)	RAB3GAP1 (1.1)
ERGIC3 (0.9)	TOMM40 (0.9)
C19orf52 (1.5)	NPEPPS (1.5)
C19orf52 (1.5)	NPEPPS (1.5)
POC5 (1.5)	BCAM (1.4)
ZNF513 (1.1)	C12orf43 (1.1)
C12orf43 (1.5)	HAPLN4 (1.4)
USP1 (1.4)	PSRC1 (1.4)
AMIGO1 (1.4)	ENSG00000182329 (1

LCT (1.2)	ERGIC3 (1.1)
ABCA5 (1.1)	TRAM2 (1.1)
HAPLN4 (1.3)	GPR61 (1.2)
ENSG00000226648 (1	ABCA5 (1.3)
TRIM54 (1.7)	OBP2B (1.6)
BMPR2 (1.6)	C17orf57 (1.5)
FNDC4 (1.6)	C12orf43 (1.5)
PGS1 (1.3)	CLPTM1 (1.3)
CEP250 (1.2)	NUP93 (1.2)
YSK4 (1.6)	ENSG00000236267 (1
TSSK6 (1.3)	PBX4 (1.3)
HAPLN4 (1.5)	C12orf43 (1.3)
ABCA5 (1.6)	AMIGO1 (1.5)
ABO (1.4)	EHBP1 (1.2)
ABCA5 (1.4)	MAU2 (1.3)
ENSG00000182329 (1	HAPLN4 (1.1)
COL4A3BP (1.7)	NPEPPS (1.6)
RAB3GAP1 (1.4)	SNX17 (1.4)
OTX1 (1.5)	GSTM5 (1.5)
GRINA (1.5)	FADS2 (1.4)
ERGIC3 (1.4)	GOT2P1 (1.4)
ENSG00000226645 (1	RAB3GAP1 (1.4)
HAPLN4 (1.6)	C12orf43 (1.5)
C12orf43 (1.5)	HAPLN4 (1.5)
FUT2 (1.4)	C12orf43 (1.3)
FUT2 (1.4)	C12orf43 (1.3)
TBKBP1 (1.5)	RAB3GAP1 (1.5)
C11orf9 (1.4)	SARS (1.2)
SNX17 (1.4)	C19orf52 (1.4)
MAU2 (1.4)	IGF2R (1.3)
CLPTM1 (1.5)	GDF5 (1.5)
FNDC4 (1.5)	HAVCR1 (1.4)
FNDC4 (1.5)	HAVCR1 (1.4)
TSSK6 (1.5)	USP1 (1.4)
SUMO1 (1.4)	POC5 (1.3)
ZNF821 (1.5)	ENSG00000236267 (1
LCT (1.5)	GOT2P1 (1.5)
TXNL4B (1.4)	EHBP1 (1.4)
BCAM (1.3)	DHX38 (1.3)
APOC1 (1.3)	BCAM (1.2)
C11orf9 (1.4)	RAB3GAP1 (1.4)
MAMSTR (1.5)	IGF2R (1.5)
KRTCAP3 (1.1)	APOE (1.1)
LPIN3 (1.1)	EHBP1 (1.1)
BMPR2 (1.7)	MAP3K4 (1.6)
C12orf43 (1.1)	AMIGO1 (1.1)
R3HDM1 (1.6)	CYB561D1 (1.5)
FUT1 (1.3)	ERGIC3 (1.3)
TSSK6 (1.2)	C12orf43 (1.2)
YIPF2 (1.8)	ATXN7L2 (1.8)

TBKBP1 (1.5)	SUMO1 (1.4)
PMFBP1 (1.3)	YSK4 (1.3)
HNF1A (1.3)	ERGIC3 (1.2)
R3HDM1 (1.5)	HAVCR1 (1.5)
GNAT2 (1.2)	TBKBP1 (1.2)
USP1 (1.4)	PMFBP1 (1.3)
DNAH11 (1.2)	C17orf57 (1.1)
NCAN (1.1)	BCAM (1.1)
R3HDM1 (1.4)	PGS1 (1.4)
EHBP1 (1.2)	ATXN7L2 (1.2)
TOMM40 (1.0)	FUT2 (0.9)
SYPL2 (1.5)	GOT2P1 (1.5)
AMPD2 (1.2)	DNAH11 (1.2)
NPEPPS (1.5)	ABCA5 (1.5)
C17orf57 (1.8)	KRTCAP3 (1.7)
POC5 (1.7)	RAB3GAP1 (1.7)
LPAR2 (1.3)	TXNL4B (1.2)
LPAR2 (1.3)	TXNL4B (1.2)
NPEPPS (1.4)	KANK2 (1.3)
GSTM5 (1.4)	FER1L4 (1.3)
GOT2P1 (1.5)	AMIGO1 (1.3)
TBKBP1 (1.4)	ZNF513 (1.4)
TBKBP1 (1.4)	ZNF513 (1.4)
GPR61 (1.7)	CELSR2 (1.6)
AMIGO1 (1.4)	FEN1 (1.1)
AMIGO1 (1.4)	FEN1 (1.1)
GPAM (1.3)	GSTM5 (1.2)
GSTM4 (1.4)	TOMM40 (1.3)
CELSR2 (1.4)	R3HDM1 (1.4)
GSTM5 (1.2)	PMFBP1 (1.1)
GSTM4 (1.5)	ENSG00000244861 (1
C12orf43 (1.5)	OTX1 (1.2)
PVR (1.3)	ENSG00000226648 (1
FEN1 (1.2)	SPATC1 (1.1)
FER1L4 (1.4)	ENSG00000231204 (1
SPATC1 (1.3)	TXNL4B (1.3)
BUD13 (0.8)	ABCA5 (0.8)
ABO (1.6)	HAPLN4 (1.6)
GPR61 (1.6)	TRAM2 (1.5)
SNX17 (1.0)	IST1 (1.0)
TOP1 (1.2)	NOP58 (1.2)
ATP13A1 (1.2)	ENSG00000231204 (1
KRTCAP3 (1.5)	ENSG00000231204 (1
SPATC1 (1.5)	PLCG1 (1.4)
CILP2 (1.1)	TOMM40 (1.1)
ENSG00000226806 (1	FUT1 (1.3)
GNAI3 (1.4)	USP1 (1.4)
OTX1 (1.5)	USP24 (1.4)
HNF1A (1.3)	MAMSTR (1.2)
C11orf9 (1.5)	RAB3GAP1 (1.5)

APOE (1.2)	RP1 (1.2)
TRIM54 (1.1)	IFT172 (1.1)
SLC22A3 (1.5)	PLEC (1.4)
C12orf43 (1.0)	ZNF513 (1.0)
ENSG00000244861 (1	C12orf43 (1.2)
OTX1 (1.5)	R3HDM1 (1.4)
HAPLN4 (1.1)	GRINA (1.1)
ENSG00000226648 (1	TSSK6 (1.5)
KPNB1 (1.5)	ENSG00000235545 (1
GSTM4 (1.2)	ENSG00000244861 (1
GNAT2 (1.3)	ENSG00000235545 (1
C12orf43 (1.9)	AMIGO1 (1.8)
MAP3K4 (1.9)	ZNF821 (1.5)
LCT (1.8)	KRTCAP3 (1.7)
ENSG00000236436 (1	HAVCR1 (1.0)
ENSG00000254235 (1	AMPD2 (1.3)
YSK4 (1.5)	ENSG00000236436 (1
C17orf57 (1.5)	DARS (1.5)
C17orf57 (1.3)	NPEPPS (1.3)
SORT1 (1.3)	HAVCR1 (1.3)
SORT1 (1.3)	HAVCR1 (1.3)
AMIGO1 (1.1)	PMFBP1 (1.1)
AMIGO1 (1.1)	PMFBP1 (1.1)
GNAI3 (1.5)	FUT1 (1.2)
R3HDM1 (1.5)	MYLIP (1.4)
HAPLN4 (1.1)	GSTM5 (1.1)
ENSG00000231204 (1	PMFBP1 (1.7)
CLPTM1 (1.5)	GRINA (1.3)
GNAT2 (1.3)	CARM1 (1.3)
ENSG00000226648 (1	NPEPPS (1.4)
SPATC1 (1.4)	FNDC4 (1.4)
ZRANB3 (1.4)	POC5 (1.2)
ENSG00000236267 (1	ATXN7L2 (1.3)
DHODH (1.4)	IZUMO1 (1.3)
C19orf52 (1.2)	CYB561D1 (0.9)
ENSG00000235545 (1	CYB561D1 (1.3)
GPR61 (1.3)	GDF5 (1.2)
UBXN4 (1.3)	HAVCR1 (1.2)
OTX1 (1.6)	IZUMO1 (1.6)
IFT172 (1.2)	DOCK7 (1.2)
SYPL2 (1.6)	MAMSTR (1.5)
CILP2 (1.0)	TBKBP1 (0.9)
CILP2 (1.0)	TBKBP1 (0.9)
ATXN7L2 (1.5)	SPATC1 (1.5)
SYPL2 (1.7)	RP1 (1.7)
SARS (1.7)	TSSK6 (1.7)
SARS (1.7)	TSSK6 (1.7)
SORT1 (1.3)	FGF21 (1.2)
POC5 (1.2)	ENSG00000236436 (1
AMIGO1 (1.5)	PMFBP1 (1.4)

GNAT2 (1.4)	SPATC1 (1.3)
FGF21 (1.6)	ABO (1.5)
FGF21 (1.6)	ABO (1.5)
CETP (1.1)	AMPD2 (1.1)
ABO (1.3)	HAVCR1 (1.2)
ENSG00000228044 (1	ZNF259 (1.2)
R3HDM1 (1.7)	CELSR2 (1.6)
ENSG00000231204 (1	PMFBP1 (1.1)
DNAH11 (1.6)	ENSG00000226645 (1
ENSG00000244861 (1	TRIM54 (1.4)
ENSG00000256731 (1	TOP1 (1.1)
CYB561D1 (1.4)	GSTM5 (1.3)
GDF5 (1.4)	UBXN4 (1.4)
SYPL2 (1.6)	AMIGO1 (1.6)
GPR61 (1.5)	C19orf52 (1.5)
POC5 (1.3)	SMARCA4 (1.3)
IFT172 (1.3)	ZHX3 (1.2)
SORT1 (1.5)	ZHX3 (1.4)
SUMO1 (1.9)	ENSG00000226806 (1
HAVCR1 (1.4)	ZHX3 (1.4)
ZNF513 (1.1)	GNAI3 (1.1)
ENSG00000256731 (1	LCT (1.1)
FGF21 (1.5)	C11orf9 (1.4)
FGF21 (1.5)	C11orf9 (1.4)
ZNF513 (1.4)	CYB561D1 (1.4)
IFT172 (1.3)	IST1 (1.3)
YSK4 (1.6)	ENSG00000182329 (1
ENSG00000226648 (1	CLPTM1 (1.5)
ENSG00000226648 (1	KRTCAP3 (1.2)
ENSG00000235545 (1	USP1 (1.5)
R3HDM1 (1.6)	SORT1 (1.6)
ENSG00000226622 (1	USP1 (1.1)
ENSG00000226622 (1	USP1 (1.1)
FGF21 (1.5)	SYPL2 (1.3)
SUMO1 (1.7)	ENSG00000226622 (1
PMFBP1 (1.2)	HAVCR1 (1.2)
NYNRIN (1.3)	OTX1 (1.2)
SORT1 (1.4)	LPL (1.3)
FUT1 (1.3)	C12orf43 (1.1)
CELSR2 (1.3)	APOE (1.3)
HAPLN4 (1.4)	PSMA5 (1.3)
PSRC1 (1.5)	ZNF513 (1.5)
HAVCR1 (1.2)	GPR61 (1.1)
OBP2B (1.9)	HAVCR1 (1.9)
OBP2B (1.9)	HAVCR1 (1.9)
FGF21 (1.4)	LCT (1.3)
FNDC4 (1.2)	GSTM5 (1.1)
R3HDM1 (1.6)	ENSG00000182329 (1
AMPD2 (1.0)	GSTM5 (0.9)
IFT172 (1.2)	LPIN3 (1.2)

TBKBP1 (1.4)	ABO (1.3)
ENSG00000228044 (1	ZRANB3 (1.1)
FUT2 (1.3)	RAB3GAP1 (1.3)
GSTM4 (1.7)	SNX17 (1.7)
AMPD2 (1.2)	FNDC4 (1.2)
KRTCAP3 (1.1)	ABCA5 (1.1)
GPR61 (1.6)	HAVCR1 (1.5)
ENSG00000235545 (1	LCT (0.9)
C11orf9 (1.1)	COL4A3BP (1.1)
LCT (1.5)	NCAN (1.5)
GNAT2 (1.2)	ENSG00000244861 (1
LPIN3 (1.2)	KPNB1 (1.2)
ENSG00000256731 (1	FUT1 (1.5)
PLCG1 (1.3)	FER1L4 (1.2)
SORT1 (1.8)	HAVCR1 (1.8)
HAVCR1 (1.2)	NCAN (1.1)
SORT1 (1.7)	ENSG00000256731 (1
SORT1 (1.7)	ENSG00000256731 (1
SLC22A2 (1.3)	CYB561D1 (1.3)
ENSG00000231204 (1	ZHX3 (1.8)
ENSG00000256731 (1	MAMSTR (1.6)
FUT1 (1.5)	SLC22A2 (1.4)
ENSG00000182329 (1	ENSG00000256731 (1
ENSG00000182329 (1	ENSG00000256731 (1
GPR61 (1.6)	HAVCR1 (1.4)

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Supplementary Table 33: DEPICT gene set enrichment analysis results for the genome-wide sign

The gene set enrichment P values are derived by normalizing the sum of gene set membership z-s
from repeating the procedure 50 times based on 500 pre-computed null GWAS. The method is de

Original gene set ID	Original gene set description
ENSG00000115461	IGFBP5 PPI subnetwork
MP:0002981	increased liver weight
MP:0005178	increased circulating cholesterol level
MP:0002702	decreased circulating free fatty acid level
ENSG00000132693	CRP PPI subnetwork
MP:0005559	increased circulating glucose level
MP:0000180	abnormal circulating cholesterol level
MP:0004259	small placenta
MP:0001711	abnormal placenta morphology
MP:0001552	increased circulating triglyceride level
MP:0011091	complete prenatal lethality
MP:0005179	decreased circulating cholesterol level
ENSG00000164733	CTSB PPI subnetwork
MP:0002118	abnormal lipid homeostasis
MP:0001654	hepatic necrosis
MP:0001860	liver inflammation
MP:0011098	complete embryonic lethality during organogenesis
ENSG00000146674	IGFBP3 PPI subnetwork
ENSG00000197561	ELANE PPI subnetwork
REACTOME_LIPID_DIGESTION_MOBILIZATI(	REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_TRANSPC
ENSG00000109072	SEBOX PPI subnetwork
MP:0000182	increased circulating LDL cholesterol level
MP:0000639	abnormal adrenal gland morphology
MP:0005278	abnormal cholesterol homeostasis
GO:0010876	lipid localization
MP:0000598	abnormal liver morphology
MP:0001764	abnormal homeostasis
MP:0002644	decreased circulating triglyceride level
MP:0005319	abnormal enzyme/ coenzyme level
ENSG00000136999	NOV PPI subnetwork
GO:0043434	response to peptide hormone stimulus
MP:0005416	abnormal circulating protein level
MP:0009657	failure of chorioallantoic fusion
REACTOME_METABOLISM_OF_VITAMINS_A	REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS
REACTOME_METABOLISM_OF_WATER:SOL	REACTOME_METABOLISM_OF_WATER:SOLUBLE_VITAMINS_A
GO:0006869	lipid transport
REACTOME_METABOLISM_OF_LIPIDS_AND	REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS
MP:0002941	increased circulating alanine transaminase level
ENSG00000164344	KLKB1 PPI subnetwork
MP:0011101	partial prenatal lethality
ENSG00000115414	FN1 PPI subnetwork
GO:0033293	monocarboxylic acid binding
GO:0052689	carboxylic ester hydrolase activity

KEGG_ARGININE_AND_PROLINE_METABOL	KEGG_ARGININE_AND_PROLINE_METABOLISM
MP:0002079	increased circulating insulin level
MP:0008770	decreased survivor rate
REACTOME_LIPOPROTEIN_METABOLISM	REACTOME_LIPOPROTEIN_METABOLISM
GO:0031406	carboxylic acid binding
MP:0009763	increased sensitivity to induced morbidity/mortality
MP:0003333	liver fibrosis
MP:0000221	decreased leukocyte cell number
GO:0034358	plasma lipoprotein particle
GO:0032994	protein-lipid complex
MP:0001698	decreased embryo size
MP:0005325	abnormal renal glomerulus morphology
MP:0003229	abnormal vitelline vasculature morphology
MP:0006271	abnormal involution of the mammary gland
MP:0005145	increased circulating VLDL cholesterol level
MP:0002628	hepatic steatosis
ENSG00000125730	C3 PPI subnetwork
MP:0005289	increased oxygen consumption
ENSG00000122861	PLAU PPI subnetwork
GO:0032368	regulation of lipid transport
MP:0000208	decreased hematocrit
MP:0011086	partial postnatal lethality
GO:0005542	folic acid binding
GO:0034364	high-density lipoprotein particle
ENSG00000100448	CTSG PPI subnetwork
MP:0005659	decreased susceptibility to diet-induced obesity
GO:0032374	regulation of cholesterol transport
GO:0032371	regulation of sterol transport
MP:0008735	increased susceptibility to endotoxin shock
MP:0005146	decreased circulating VLDL cholesterol level
ENSG00000130164	LDLR PPI subnetwork
MP:0010025	decreased total body fat amount
KEGG_PRION_DISEASES	KEGG_PRION_DISEASES
MP:0000609	abnormal liver physiology
GO:0005625	soluble fraction
ENSG00000158874	APOA2 PPI subnetwork
MP:0002078	abnormal glucose homeostasis
GO:0048029	monosaccharide binding
ENSG00000211896	ENSG00000211896 PPI subnetwork
MP:0002743	glomerulonephritis
ENSG00000081479	LRP2 PPI subnetwork
GO:0010906	regulation of glucose metabolic process
MP:0000465	gastrointestinal hemorrhage
MP:0011109	partial lethality throughout fetal growth and development
MP:0006396	decreased long bone epiphyseal plate size
GO:0005537	mannose binding
MP:0009356	decreased liver triglyceride level
ENSG00000019991	HGF PPI subnetwork
MP:0004502	decreased incidence of chemically-induced tumors
ENSG00000122194	PLG PPI subnetwork

MP:0001935	decreased litter size
MP:0005668	decreased circulating leptin level
MP:0011108	partial embryonic lethality during organogenesis
MP:0000136	abnormal microglial cell morphology
GO:0015918	sterol transport
MP:0001914	hemorrhage
GO:0005504	fatty acid binding
MP:0004255	abnormal spongiotrophoblast layer morphology
MP:0001547	abnormal lipid level
GO:0030301	cholesterol transport
ENSG00000154582	TCEB1 PPI subnetwork
KEGG_LYSINE_DEGRADATION	KEGG_LYSINE_DEGRADATION
MP:0002086	abnormal extraembryonic tissue morphology
ENSG00000017427	IGF1 PPI subnetwork
GO:0040017	positive regulation of locomotion
MP:0008808	decreased spleen iron level
MP:0000599	enlarged liver
REACTOME_COMPLEMENT_CASCADE	REACTOME_COMPLEMENT_CASCADE
MP:0001622	abnormal vasculogenesis
ENSG00000211949	ENSG00000211949 PPI subnetwork
GO:0019842	vitamin binding
REACTOME_HDL:MEDIATED_LIPID_TRANSP	REACTOME_HDL:MEDIATED_LIPID_TRANSPORT
GO:0031100	organ regeneration
ENSG00000106804	C5 PPI subnetwork
MP:0000292	distended pericardium
GO:0055088	lipid homeostasis
GO:0031099	regeneration
MP:0001722	pale yolk sac
REACTOME_RESPONSE_TO_ELEVATED_PLA	REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYTOSOLIC
GO:0051183	vitamin transporter activity
GO:0051270	regulation of cellular component movement
KEGG_COMPLEMENT_AND_COAGULATION	KEGG_COMPLEMENT_AND_COAGULATION_CASCADES
MP:0001258	decreased body length
MP:0005318	decreased triglyceride level
GO:0050997	quaternary ammonium group binding
GO:0016705	oxidoreductase activity, acting on paired donors, with incorpo
MP:0004151	decreased circulating iron level
MP:0001846	increased inflammatory response
GO:0051384	response to glucocorticoid stimulus
MP:0004777	abnormal phospholipid level
GO:0030169	low-density lipoprotein particle binding
GO:0005996	monosaccharide metabolic process
GO:0051272	positive regulation of cellular component movement
GO:0034774	secretory granule lumen
MP:0001716	abnormal placenta labyrinth morphology
ENSG00000132703	APCS PPI subnetwork
MP:0005311	abnormal circulating amino acid level
MP:0000607	abnormal hepatocyte morphology
GO:0008289	lipid binding
KEGG_PPAR_SIGNALING_PATHWAY	KEGG_PPAR_SIGNALING_PATHWAY

GO:0060205	cytoplasmic membrane-bounded vesicle lumen
MP:0004921	decreased placenta weight
MP:0003400	kinked neural tube
GO:0008329	pattern recognition receptor activity
MP:0003720	abnormal neural tube closure
MP:0008734	decreased susceptibility to endotoxin shock
MP:0011427	mesangial cell hyperplasia
GO:0031983	vesicle lumen
GO:0031093	platelet alpha granule lumen
REACTOME_REGULATION_OF_LIPID_META	REACTOME_REGULATION_OF_LIPID_METABOLISM_BY_PERO
GO:0005539	glycosaminoglycan binding
GO:0016051	carbohydrate biosynthetic process
REACTOME_REGULATION_OF_INSULIN:LIKE	REACTOME_REGULATION_OF_INSULIN:LIKE_GROWTH_FACTO
ENSG00000180210	F2 PPI subnetwork
GO:0031667	response to nutrient levels
MP:0003909	increased eating behavior
GO:0071813	lipoprotein particle binding
GO:0071814	protein-lipid complex binding
REACTOME_PPARA_ACTIVATES_GENE_EXP	REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
MP:0000603	pale liver
GO:0015248	sterol transporter activity
REACTOME_PLATELET_DEGRANULATION	REACTOME_PLATELET_DEGRANULATION
GO:0034381	plasma lipoprotein particle clearance
GO:0016829	lyase activity
MP:0011090	partial perinatal lethality
ENSG00000087245	MMP2 PPI subnetwork
GO:0000062	fatty-acyl-CoA binding
GO:2000147	positive regulation of cell motility
MP:0008803	abnormal placental labyrinth vasculature morphology
MP:0000440	domed cranium
MP:0002599	increased mean platelet volume
MP:0001179	thick pulmonary interalveolar septum
GO:0008374	O-acyltransferase activity
ENSG00000131910	NR0B2 PPI subnetwork
MP:0004200	decreased fetal size
MP:0005459	decreased percent body fat
ENSG00000110245	APOC3 PPI subnetwork
ENSG00000215755	ENSG00000215755 PPI subnetwork
REACTOME_GAMMA:CARBOXYLATION_TRA	REACTOME_GAMMA:CARBOXYLATION_TRANSPORT_AND_AM
GO:0030335	positive regulation of cell migration
KEGG_FATTY_ACID_METABOLISM	KEGG_FATTY_ACID_METABOLISM
ENSG00000000971	CFH PPI subnetwork
GO:0006109	regulation of carbohydrate metabolic process
GO:2000145	regulation of cell motility
GO:0050921	positive regulation of chemotaxis
GO:0042632	cholesterol homeostasis
GO:0055092	sterol homeostasis
REACTOME_PTM_GAMMA_CARBOXYLATIO	REACTOME_PTM_GAMMA_CARBOXYLATION_HYPUSINE_FOR
MP:0000186	decreased circulating HDL cholesterol level
REACTOME_CHYLOMICRON:MEDIATED_LIP	REACTOME_CHYLOMICRON:MEDIATED_LIPID_TRANSPORT

GO:0009991	response to extracellular stimulus
MP:0005517	decreased liver regeneration
MP:0010810	increased type II pneumocyte number
GO:0005506	iron ion binding
MP:0002412	increased susceptibility to bacterial infection
GO:0030246	carbohydrate binding
GO:0031091	platelet alpha granule
GO:0031960	response to corticosteroid stimulus
ENSG00000123384	LRP1 PPI subnetwork
GO:0050660	flavin adenine dinucleotide binding
GO:0019318	hexose metabolic process
MP:0000183	decreased circulating LDL cholesterol level
ENSG00000215754	ENSG00000215754 PPI subnetwork
GO:0008201	heparin binding
GO:0032403	protein complex binding
ENSG00000118137	APOA1 PPI subnetwork
ENSG00000215756	ENSG00000215756 PPI subnetwork
MP:0002723	abnormal immune serum protein physiology
GO:0030334	regulation of cell migration
ENSG00000167768	KRT1 PPI subnetwork
MP:0002652	thin myocardium
GO:0006094	gluconeogenesis
MP:0003984	embryonic growth retardation
MP:0009355	increased liver triglyceride level
MP:0005439	decreased glycogen level
GO:0071702	organic substance transport
MP:0000187	abnormal triglyceride level
REACTOME_GLUCOSE_TRANSPORT	REACTOME_GLUCOSE_TRANSPORT
GO:0005319	lipid transporter activity
GO:0044242	cellular lipid catabolic process
MP:0003982	increased cholesterol level
GO:0007584	response to nutrient
MP:0005533	increased body temperature
MP:0005560	decreased circulating glucose level
MP:0003436	decreased susceptibility to induced arthritis
GO:0034637	cellular carbohydrate biosynthetic process
MP:0005166	decreased susceptibility to injury
GO:0030247	polysaccharide binding
GO:0001871	pattern binding
GO:0097006	regulation of plasma lipoprotein particle levels
ENSG00000186350	RXRA PPI subnetwork
GO:0017127	cholesterol transporter activity
ENSG00000110244	APOA4 PPI subnetwork
GO:0042157	lipoprotein metabolic process
MP:0001559	hyperglycemia
GO:0042803	protein homodimerization activity
GO:0010675	regulation of cellular carbohydrate metabolic process
MP:0011353	expanded mesangial matrix
MP:0003674	oxidative stress
MP:0000511	abnormal intestinal mucosa morphology

REACTOME_INITIAL_TRIGGERING_OF_COM	REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT
ENSG00000156299	TIAM1 PPI subnetwork
GO:0005976	polysaccharide metabolic process
MP:0001882	abnormal lactation
GO:0001944	vasculature development
MP:0005637	abnormal iron homeostasis
ENSG00000186832	KRT16 PPI subnetwork
MP:0001176	abnormal lung development
GO:0040012	regulation of locomotion
GO:0001892	embryonic placenta development
MP:0005292	improved glucose tolerance
MP:0010027	increased liver cholesterol level
REACTOME_FATTY_ACID_TRIACYLGLYCERO	REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_B
MP:0005309	increased circulating ammonia level
MP:0002874	decreased hemoglobin content
MP:0005332	abnormal amino acid level
MP:0001861	lung inflammation
ENSG00000166949	SMAD3 PPI subnetwork
MP:0000928	incomplete cephalic closure
ENSG00000204319	ENSG00000204319 PPI subnetwork
ENSG00000133216	EPHB2 PPI subnetwork
GO:0034361	very-low-density lipoprotein particle
GO:0034385	triglyceride-rich lipoprotein particle
REACTOME_INNATE_IMMUNE_SYSTEM	REACTOME_INNATE_IMMUNE_SYSTEM
MP:0001790	abnormal immune system physiology
MP:0003566	abnormal cell adhesion
GO:0032870	cellular response to hormone stimulus
KEGG_TRYPTOPHAN_METABOLISM	KEGG_TRYPTOPHAN_METABOLISM
GO:0016701	oxidoreductase activity, acting on single donors with incorpora
GO:0006638	neutral lipid metabolic process
MP:0005331	insulin resistance
MP:0005508	abnormal skeleton morphology
GO:0050308	sugar-phosphatase activity
GO:0019203	carbohydrate phosphatase activity
GO:0009749	response to glucose stimulus
ENSG00000144668	ITGA9 PPI subnetwork
GO:0006639	acylglycerol metabolic process
GO:0016702	oxidoreductase activity, acting on single donors with incorpora
GO:0032101	regulation of response to external stimulus
MP:0008478	increased spleen white pulp amount
GO:0016747	transferase activity, transferring acyl groups other than amino
ENSG00000175899	A2M PPI subnetwork
MP:0008706	decreased interleukin-6 secretion
ENSG00000160282	FTCD PPI subnetwork
GO:0051213	dioxygenase activity
GO:0016323	basolateral plasma membrane
GO:0070325	lipoprotein particle receptor binding
GO:0009746	response to hexose stimulus
MP:0001783	decreased white adipose tissue amount
MP:0003355	decreased ovulation rate

GO:0034362	low-density lipoprotein particle
GO:0045834	positive regulation of lipid metabolic process
ENSG00000039537	C6 PPI subnetwork
GO:0051223	regulation of protein transport
MP:0001634	internal hemorrhage
GO:0016746	transferase activity, transferring acyl groups
GO:0034375	high-density lipoprotein particle remodeling
GO:0048514	blood vessel morphogenesis
ENSG00000211973	ENSG00000211973 PPI subnetwork
ENSG00000211979	ENSG00000211979 PPI subnetwork
MP:0001718	abnormal visceral yolk sac morphology
GO:0002688	regulation of leukocyte chemotaxis
GO:0019216	regulation of lipid metabolic process
GO:0050673	epithelial cell proliferation
MP:0005264	glomerulosclerosis
GO:0002690	positive regulation of leukocyte chemotaxis
MP:0001712	abnormal placenta development
GO:0046486	glycerolipid metabolic process
MP:0008553	increased circulating tumor necrosis factor level
ENSG00000161202	DVL3 PPI subnetwork
GO:0042598	vesicular fraction
ENSG00000170365	SMAD1 PPI subnetwork
MP:0000267	abnormal heart development
GO:0019319	hexose biosynthetic process
GO:0032868	response to insulin stimulus
GO:0046470	phosphatidylcholine metabolic process
GO:0070201	regulation of establishment of protein localization
GO:0034284	response to monosaccharide stimulus
GO:0050900	leukocyte migration
KEGG_GLYCINE_SERINE_AND_THREONINE_	KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM
MP:0001263	weight loss
MP:0000259	abnormal vascular development
GO:0005792	microsome
GO:0071375	cellular response to peptide hormone stimulus
GO:0006006	glucose metabolic process
MP:0002092	abnormal eye morphology
GO:0004623	phospholipase A2 activity
GO:0006641	triglyceride metabolic process
GO:0001525	angiogenesis
GO:0016042	lipid catabolic process
GO:0043691	reverse cholesterol transport
MP:0005658	increased susceptibility to diet-induced obesity
GO:0004857	enzyme inhibitor activity
ENSG00000088926	F11 PPI subnetwork
MP:0008502	increased IgG3 level
ENSG00000167751	KLK2 PPI subnetwork
GO:0001568	blood vessel development
MP:0003179	decreased platelet cell number
REACTOME_CREATION_OF_C4_AND_C2_A(	REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS
ENSG00000166285	ENSG00000166285 PPI subnetwork

ENSG00000204359	CFB PPI subnetwork
GO:0001701	in utero embryonic development
REACTOME_PHASE_1_:_FUNCTIONALIZATI	REACTOME_PHASE_1_:_FUNCTIONALIZATION_OF_COMPOUN
ENSG00000138685	FGF2 PPI subnetwork
ENSG00000105329	TGFB1 PPI subnetwork
GO:0061135	endopeptidase regulator activity
MP:0000600	liver hypoplasia
MP:0002551	abnormal blood coagulation
GO:0070328	triglyceride homeostasis
MP:0005339	increased susceptibility to atherosclerosis
MP:0002962	increased urine protein level
ENSG00000148965	SAA4 PPI subnetwork
MP:0003662	abnormal long bone epiphyseal plate proliferative zone
GO:0048520	positive regulation of behavior
MP:0003725	increased autoantibody level
GO:0004866	endopeptidase inhibitor activity
MP:0003702	abnormal chromosome morphology
ENSG00000163347	CLDN1 PPI subnetwork
GO:0006954	inflammatory response
GO:0032451	demethylase activity
GO:0005796	Golgi lumen
MP:0002875	decreased erythrocyte cell number
ENSG00000181827	RFX7 PPI subnetwork
MP:0001554	increased circulating free fatty acid level
ENSG00000163631	ALB PPI subnetwork
GO:0016830	carbon-carbon lyase activity
GO:0042311	vasodilation
MP:0009289	decreased epididymal fat pad weight
MP:0009674	decreased birth weight
GO:0015485	cholesterol binding
KEGG_BETA_ALANINE_METABOLISM	KEGG_BETA_ALANINE_METABOLISM
ENSG00000213044	ENSG00000213044 PPI subnetwork
MP:0002135	abnormal kidney morphology
ENSG00000171105	INSR PPI subnetwork
MP:0008875	abnormal xenobiotic pharmacokinetics
GO:0061134	peptidase regulator activity
KEGG_RETINOL_METABOLISM	KEGG_RETINOL_METABOLISM
MP:0001200	thick skin
MP:0002591	decreased mean corpuscular volume
REACTOME_METABOLISM_OF_CARBOHYDI	REACTOME_METABOLISM_OF_CARBOHYDRATES
KEGG_PEROXISOME	KEGG_PEROXISOME
MP:0001785	edema
GO:0046906	tetrapyrrole binding
MP:0002451	abnormal macrophage physiology
ENSG00000170486	KRT72 PPI subnetwork
ENSG00000198780	FAM169A PPI subnetwork
GO:0030414	peptidase inhibitor activity
GO:0051240	positive regulation of multicellular organismal process
ENSG00000175387	SMAD2 PPI subnetwork
ENSG00000136250	AOAH PPI subnetwork

GO:0030595	leukocyte chemotaxis
MP:0011506	glomerular crescent
REACTOME_DIABETES_PATHWAYS	REACTOME_DIABETES_PATHWAYS
GO:0032452	histone demethylase activity
MP:0005281	increased fatty acid level
ENSG00000117984	CTSD PPI subnetwork
MP:0009115	abnormal fat cell morphology
ENSG00000124151	NCOA3 PPI subnetwork
REACTOME_CLASSICAL_ANTIBODY:MEDIAT	REACTOME_CLASSICAL_ANTIBODY:MEDIATED_COMPLEMENT
ENSG00000103363	TCEB2 PPI subnetwork
GO:0061041	regulation of wound healing
REACTOME_TRANSPORT_OF_VITAMINS_NU	REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_
GO:0001935	endothelial cell proliferation
ENSG00000197263	OR8D2 PPI subnetwork
MP:0005584	abnormal enzyme/coenzyme activity
ENSG00000145192	AHSG PPI subnetwork
GO:0009055	electron carrier activity
ENSG00000112936	C7 PPI subnetwork
MP:0003091	abnormal cell migration
GO:0060326	cell chemotaxis
GO:0051051	negative regulation of transport
ENSG00000132464	ENAM PPI subnetwork
MP:0002727	decreased circulating insulin level
ENSG00000131187	F12 PPI subnetwork
GO:0015924	mannosyl-oligosaccharide mannosidase activity
GO:0032934	sterol binding
GO:0020037	heme binding
GO:0060711	labyrinthine layer development
GO:0019838	growth factor binding
ENSG00000118690	ARMC2 PPI subnetwork
ENSG00000151576	QTRTD1 PPI subnetwork
GO:0010627	regulation of intracellular protein kinase cascade
MP:0001260	increased body weight
GO:0051241	negative regulation of multicellular organismal process
MP:0009146	abnormal pancreatic acinar cell morphology
MP:0004774	abnormal bile salt level
ENSG00000135047	CTSL1 PPI subnetwork
GO:0030674	protein binding, bridging
KEGG_ADHERENS_JUNCTION	KEGG_ADHERENS_JUNCTION
ENSG00000206340	C4A PPI subnetwork
GO:0016782	transferase activity, transferring sulfur-containing groups
MP:0005076	abnormal cell differentiation
ENSG00000198646	NCOA6 PPI subnetwork
MP:0006058	decreased cerebral infarction size
MP:0004948	abnormal neuronal precursor proliferation
GO:0046503	glycerolipid catabolic process
GO:0043178	alcohol binding
MP:0005048	thrombosis
ENSG00000106366	SERPINE1 PPI subnetwork
MP:0008597	decreased circulating interleukin-6 level

ENSG00000084674	APOB PPI subnetwork
MP:0004947	skin inflammation
GO:0034369	plasma lipoprotein particle remodeling
GO:0034367	macromolecular complex remodeling
GO:0034368	protein-lipid complex remodeling
REACTOME_HEMOSTASIS	REACTOME_HEMOSTASIS
MP:0005031	abnormal trophoblast layer morphology
ENSG00000096968	JAK2 PPI subnetwork
MP:0001510	abnormal coat appearance
GO:0048545	response to steroid hormone stimulus
REACTOME_CYTOCHROME_P450_:_ARRAN	REACTOME_CYTOCHROME_P450_:_ARRANGED_BY_SUBSTRA
MP:0003659	abnormal lymph circulation
REACTOME_METABOLISM_OF_AMINO_ACI	REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVAT
GO:0048037	cofactor binding
KEGG_GLYCEROLIPID_METABOLISM	KEGG_GLYCEROLIPID_METABOLISM
MP:0005642	decreased mean corpuscular hemoglobin concentration
GO:0019915	lipid storage
GO:0005811	lipid particle
ENSG00000169896	ITGAM PPI subnetwork
MP:0009642	abnormal blood homeostasis
ENSG00000197766	CFD PPI subnetwork
MP:0000596	abnormal liver development
MP:0001556	increased circulating HDL cholesterol level
MP:0000681	abnormal thyroid gland morphology
ENSG00000170871	KIAA0232 PPI subnetwork
ENSG00000128272	ATF4 PPI subnetwork
MP:0002109	abnormal limb morphology
GO:0008146	sulfotransferase activity
ENSG00000038002	AGA PPI subnetwork
MP:0000189	hypoglycemia
ENSG00000154134	ROBO3 PPI subnetwork
MP:0004773	abnormal bile composition
ENSG00000057593	F7 PPI subnetwork
ENSG00000107404	DVL1 PPI subnetwork
MP:0005293	impaired glucose tolerance
ENSG00000161638	ITGA5 PPI subnetwork
GO:0005925	focal adhesion
ENSG00000204983	PRSS1 PPI subnetwork
MP:0001282	short vibrissae
MP:0002419	abnormal innate immunity
ENSG00000092969	TGFB2 PPI subnetwork
GO:0004867	serine-type endopeptidase inhibitor activity
GO:0018904	organic ether metabolic process
MP:0008721	abnormal chemokine level
GO:0044282	small molecule catabolic process
ENSG00000150527	CTAGE5 PPI subnetwork
REACTOME_GLUCOSE_METABOLISM	REACTOME_GLUCOSE_METABOLISM
GO:0060090	binding, bridging
MP:0008705	increased interleukin-6 secretion
MP:0005222	abnormal somite size

GO:0071495	cellular response to endogenous stimulus
GO:0032787	monocarboxylic acid metabolic process
ENSG00000173369	C1QB PPI subnetwork
ENSG00000154262	ABCA6 PPI subnetwork
MP:0002357	abnormal spleen white pulp morphology
MP:0000914	exencephaly
ENSG00000049323	LTBP1 PPI subnetwork
GO:0008202	steroid metabolic process
MP:0002575	increased circulating ketone body level
REACTOME_HEXOSE_TRANSPORT	REACTOME_HEXOSE_TRANSPORT
GO:0046930	pore complex
MP:0002421	abnormal cell-mediated immunity
GO:0002685	regulation of leukocyte migration
MP:0001651	necrosis
MP:0001541	abnormal osteoclast physiology
GO:0002020	protease binding
GO:0005912	adherens junction
ENSG00000142515	KLK3 PPI subnetwork
MP:0003567	abnormal fetal cardiomyocyte proliferation
GO:0006790	sulfur compound metabolic process
MP:0001274	curly vibrissae
ENSG00000136110	LECT1 PPI subnetwork
MP:0001792	impaired wound healing
MP:0000477	abnormal intestine morphology
ENSG00000182010	RTKN2 PPI subnetwork
MP:0005621	abnormal cell physiology
GO:0004252	serine-type endopeptidase activity
ENSG00000125538	IL1B PPI subnetwork
REACTOME_INTEGRIN_CELL_SURFACE_INTI	REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS
MP:0009549	decreased platelet aggregation
ENSG00000124006	OBSL1 PPI subnetwork
REACTOME_REGULATION_OF_BETA:CELL_D	REACTOME_REGULATION_OF_BETA:CELL_DEVELOPMENT
ENSG00000050820	BCAR1 PPI subnetwork
GO:0042645	mitochondrial nucleoid
ENSG00000186660	ZFP91 PPI subnetwork
ENSG00000034693	PEX3 PPI subnetwork
GO:0046527	glucosyltransferase activity
ENSG00000182326	C1S PPI subnetwork
MP:0001175	abnormal lung morphology
ENSG00000144908	ALDH1L1 PPI subnetwork
ENSG00000136244	IL6 PPI subnetwork
MP:0001209	spontaneous skin ulceration
GO:0016298	lipase activity
MP:0008664	decreased interleukin-12 secretion
MP:0005329	abnormal myocardium layer morphology
GO:0006956	complement activation
ENSG00000168907	PLA2G4F PPI subnetwork
GO:0019955	cytokine binding
KEGG_SULFUR_METABOLISM	KEGG_SULFUR_METABOLISM
ENSG00000117601	SERPINC1 PPI subnetwork

GO:0015718	monocarboxylic acid transport
GO:0033344	cholesterol efflux
MP:0001577	anemia
GO:0050880	regulation of blood vessel size
GO:0016054	organic acid catabolic process
GO:0046395	carboxylic acid catabolic process
MP:0002397	abnormal bone marrow morphology
ENSG00000109272	PF4V1 PPI subnetwork
ENSG00000205813	ENSG00000205813 PPI subnetwork
ENSG00000185621	LMLN PPI subnetwork
ENSG00000119699	TGFB3 PPI subnetwork
ENSG00000185479	KRT6B PPI subnetwork
ENSG00000186895	FGF3 PPI subnetwork
MP:0000592	short tail
REACTOME_ABCA_TRANSPORTERS_IN_LIPI	REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS
REACTOME_RECYCLING_OF_BILE_ACIDS_AI	REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS
ENSG00000215320	ENSG00000215320 PPI subnetwork
ENSG00000127022	CANX PPI subnetwork
MP:0008525	decreased cranium height
ENSG00000125998	FAM83C PPI subnetwork
MP:0000383	abnormal hair follicle orientation
GO:0033500	carbohydrate homeostasis
GO:0042593	glucose homeostasis
MP:0002640	reticulocytosis
GO:0016627	oxidoreductase activity, acting on the CH-CH group of donors
ENSG00000105289	TJP3 PPI subnetwork
MP:0002971	abnormal brown adipose tissue morphology
ENSG00000133805	AMPD3 PPI subnetwork
ENSG00000211660	ENSG00000211660 PPI subnetwork
ENSG00000211653	ENSG00000211653 PPI subnetwork
MP:0008873	increased physiological sensitivity to xenobiotic
GO:0050662	coenzyme binding
MP:0003044	impaired basement membrane formation
ENSG00000171401	KRT13 PPI subnetwork
ENSG00000167244	IGF2 PPI subnetwork
MP:0005294	abnormal heart ventricle morphology
ENSG00000188994	ZNF292 PPI subnetwork
GO:0046461	neutral lipid catabolic process
GO:0046464	acylglycerol catabolic process
GO:0044269	glycerol ether catabolic process
GO:0071825	protein-lipid complex subunit organization
GO:0071827	plasma lipoprotein particle organization
REACTOME_BIOLOGICAL_OXIDATIONS	REACTOME_BIOLOGICAL_OXIDATIONS
ENSG00000110395	CBL PPI subnetwork
GO:0051048	negative regulation of secretion
GO:0032369	negative regulation of lipid transport
MP:0001259	abnormal body weight
ENSG00000075643	MOCOS PPI subnetwork
ENSG00000163586	FABP1 PPI subnetwork
GO:0016712	oxidoreductase activity, acting on paired donors, with incorpo

GO:0050678	regulation of epithelial cell proliferation
GO:0004806	triglyceride lipase activity
GO:0004861	cyclin-dependent protein kinase inhibitor activity
ENSG00000168811	IL12A PPI subnetwork
ENSG00000174697	LEP PPI subnetwork
GO:0009295	nucleoid
ENSG00000157227	MMP14 PPI subnetwork
GO:0005543	phospholipid binding
MP:0008596	increased circulating interleukin-6 level
MP:0003717	pallor
ENSG00000116962	NID1 PPI subnetwork
GO:0050920	regulation of chemotaxis
MP:0004756	abnormal proximal convoluted tubule morphology
GO:0051635	bacterial cell surface binding
GO:0046364	monosaccharide biosynthetic process
ENSG00000156453	PCDH1 PPI subnetwork
ENSG00000187498	COL4A1 PPI subnetwork
GO:0009792	embryo development ending in birth or egg hatching
REACTOME_METABOLISM_OF_POLYAMINE	REACTOME_METABOLISM_OF_POLYAMINES
GO:0005179	hormone activity
ENSG00000101680	LAMA1 PPI subnetwork
ENSG00000055957	ITIH1 PPI subnetwork
ENSG00000110169	HPX PPI subnetwork
MP:0001915	intracranial hemorrhage
ENSG00000125810	CD93 PPI subnetwork
GO:0042439	ethanolamine-containing compound metabolic process
GO:0004497	monooxygenase activity
MP:0001231	abnormal epidermis stratum basale morphology
GO:0043176	amine binding
GO:0030141	secretory granule
GO:0018212	peptidyl-tyrosine modification
REACTOME_INTRINSIC_PATHWAY	REACTOME_INTRINSIC_PATHWAY
ENSG00000056345	ENSG00000056345 PPI subnetwork
ENSG00000136634	IL10 PPI subnetwork
GO:0002687	positive regulation of leukocyte migration
MP:0001297	microphthalmia
GO:0005924	cell-substrate adherens junction
ENSG00000103742	IGDCC4 PPI subnetwork
GO:0044106	cellular amine metabolic process
MP:0005542	corneal vascularization
ENSG00000171564	FGB PPI subnetwork
ENSG00000213923	CSNK1E PPI subnetwork
ENSG00000188488	SERPINA5 PPI subnetwork
REACTOME_FORMATION_OF_FIBRIN_CLOT	REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCA
MP:0000642	enlarged adrenal glands
ENSG00000143379	SETDB1 PPI subnetwork
ENSG00000100181	ENSG00000100181 PPI subnetwork
ENSG00000088833	NSFL1C PPI subnetwork
MP:0009331	absent primitive node
MP:0008034	enhanced lipolysis

MP:0002151	abnormal neural tube morphology/development
MP:0011100	complete preweaning lethality
REACTOME_BILE_ACID_AND_BILE_SALT_M	REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM
GO:0046965	retinoid X receptor binding
ENSG00000124610	HIST1H1A PPI subnetwork
ENSG00000150337	FCGR1A PPI subnetwork
MP:0000784	forebrain hypoplasia
ENSG00000160691	SHC1 PPI subnetwork
GO:0050679	positive regulation of epithelial cell proliferation
REACTOME_XENOBIOTICS	REACTOME_XENOBIOTICS
MP:0005244	hemopericardium
ENSG00000105976	MET PPI subnetwork
MP:0008813	decreased common myeloid progenitor cell number
KEGG_TYROSINE_METABOLISM	KEGG_TYROSINE_METABOLISM
ENSG00000188313	PLSCR1 PPI subnetwork
MP:0004187	cardia bifida
GO:0016836	hydro-lyase activity
GO:0008158	hedgehog receptor activity
ENSG00000082781	ITGB5 PPI subnetwork
GO:0016840	carbon-nitrogen lyase activity
GO:0043498	cell surface binding
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VI
ENSG00000138798	EGF PPI subnetwork
GO:0038024	cargo receptor activity
GO:0044283	small molecule biosynthetic process
GO:0035150	regulation of tube size
MP:0001926	female infertility
ENSG00000134376	CRB1 PPI subnetwork
GO:0003018	vascular process in circulatory system
GO:0090207	regulation of triglyceride metabolic process
ENSG00000169439	SDC2 PPI subnetwork
REACTOME_GRB2SOS_PROVIDES_LINKAGE_	REACTOME_GRB2SOS_PROVIDES_LINKAGE_TO_MAPK_SIGNA
GO:0016638	oxidoreductase activity, acting on the CH-NH2 group of donors
MP:0000266	abnormal heart morphology
MP:0002665	decreased circulating corticosterone level
ENSG00000134352	IL6ST PPI subnetwork
MP:0003887	increased hepatocyte apoptosis
MP:0008554	decreased circulating tumor necrosis factor level
GO:0043009	chordate embryonic development
ENSG00000140285	FGF7 PPI subnetwork
ENSG00000168454	TXNDC2 PPI subnetwork
ENSG00000103479	RBL2 PPI subnetwork
GO:0016706	oxidoreductase activity, acting on paired donors, with incorpo
MP:0001719	absent vitelline blood vessels
ENSG00000113302	IL12B PPI subnetwork
GO:0042974	retinoic acid receptor binding
ENSG00000116717	GADD45A PPI subnetwork
MP:0002752	abnormal somatic nervous system morphology
ENSG00000156427	FGF18 PPI subnetwork
ENSG00000158815	FGF17 PPI subnetwork

ENSG00000107831	FGF8 PPI subnetwork
ENSG00000111241	FGF6 PPI subnetwork
ENSG00000070388	FGF22 PPI subnetwork
ENSG00000162344	FGF19 PPI subnetwork
GO:0008610	lipid biosynthetic process
ENSG00000197943	PLCG2 PPI subnetwork
GO:0005496	steroid binding
MP:0002896	abnormal bone mineralization
MP:0004952	increased spleen weight
GO:0006957	complement activation, alternative pathway
ENSG00000141646	SMAD4 PPI subnetwork
ENSG00000159251	ACTC1 PPI subnetwork
KEGG_LINOLEIC_ACID_METABOLISM	KEGG_LINOLEIC_ACID_METABOLISM
MP:0001923	reduced female fertility
KEGG_STEROID_HORMONE_BIOSYNTHESIS	KEGG_STEROID_HORMONE_BIOSYNTHESIS
GO:0072376	protein activation cascade
GO:0006662	glycerol ether metabolic process
MP:0001701	incomplete embryo turning
ENSG00000171560	FGA PPI subnetwork
MP:0000691	enlarged spleen
MP:0009548	abnormal platelet aggregation
REACTOME_ABC:FAMILY_PROTEINS_MEDIA	REACTOME_ABC:FAMILY_PROTEINS_MEDIATED_TRANSPORT
GO:0006898	receptor-mediated endocytosis
ENSG00000213625	LEPROT PPI subnetwork
ENSG00000007402	CACNA2D2 PPI subnetwork
GO:0045765	regulation of angiogenesis
GO:0070161	anchoring junction
GO:0017171	serine hydrolase activity
MP:0008722	abnormal chemokine secretion
ENSG00000146535	GNA12 PPI subnetwork
KEGG_ALANINE_ASPARTATE_AND_GLUTAM	KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM
GO:0044439	peroxisomal part
GO:0044438	microbody part
KEGG_MATURITY_ONSET_DIABETES_OF_TH	KEGG_MATURITY_ONSET_DIABETES_OF_THE_YOUNG
ENSG00000105974	CAV1 PPI subnetwork
MP:0002230	abnormal primitive streak formation
MP:0011092	complete embryonic lethality
GO:0010740	positive regulation of intracellular protein kinase cascade
ENSG00000116106	EPHA4 PPI subnetwork
GO:0010565	regulation of cellular ketone metabolic process
MP:0000219	increased neutrophil cell number
GO:0017038	protein import
REACTOME_PLATELET_ACTIVATION_SIGNA	REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGRE
GO:0072329	monocarboxylic acid catabolic process
GO:0045766	positive regulation of angiogenesis
ENSG00000115718	PROC PPI subnetwork
GO:0008236	serine-type peptidase activity
ENSG00000175505	CLCF1 PPI subnetwork
ENSG00000130203	APOE PPI subnetwork
GO:0019433	triglyceride catabolic process

GO:0061008	hepaticobiliary system development
ENSG00000169194	IL13 PPI subnetwork
KEGG_INSULIN_SIGNALING_PATHWAY	KEGG_INSULIN_SIGNALING_PATHWAY
ENSG00000180530	NRIP1 PPI subnetwork
ENSG00000120235	IFNA6 PPI subnetwork
MP:0004229	abnormal embryonic erythropoiesis
ENSG00000114423	CBLB PPI subnetwork
ENSG00000168610	STAT3 PPI subnetwork
MP:0006042	increased apoptosis
GO:0015923	mannosidase activity
MP:0010701	fusion of atlas and odontoid process
MP:0002191	abnormal artery morphology
MP:0006126	abnormal outflow tract development
ENSG00000167711	SERPINF2 PPI subnetwork
MP:0000163	abnormal cartilage morphology
REACTOME_CELL_SURFACE_INTERACTIONS	REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCUL
MP:0003921	abnormal heart left ventricle morphology
GO:0046890	regulation of lipid biosynthetic process
ENSG00000142273	CBLC PPI subnetwork
MP:0005185	decreased circulating progesterone level
REACTOME_PLATELET_AGGREGATION_PLU	REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION
ENSG00000099985	OSM PPI subnetwork
ENSG00000135100	HNF1A PPI subnetwork
MP:0000188	abnormal circulating glucose level
ENSG00000111537	IFNG PPI subnetwork
GO:0006953	acute-phase response
REACTOME_STEROID_HORMONES	REACTOME_STEROID_HORMONES
MP:0005023	abnormal wound healing
ENSG00000173207	CKS1B PPI subnetwork
ENSG00000070193	FGF10 PPI subnetwork
ENSG00000142192	APP PPI subnetwork
MP:0002780	decreased circulating testosterone level
REACTOME_INTEGRIN_ALPHAIIB_BETA3_SI	REACTOME_INTEGRIN_ALPHAIIB_BETA3_SIGNALING
MP:0000652	enlarged sebaceous gland
ENSG00000138675	FGF5 PPI subnetwork
ENSG00000090776	EFNB1 PPI subnetwork
MP:0005657	abnormal neural plate morphology
MP:0001870	salivary gland inflammation
MP:0003657	abnormal erythrocyte osmotic lysis
MP:0002908	delayed wound healing
MP:0005669	increased circulating leptin level
MP:0002500	granulomatous inflammation
MP:0009937	abnormal neuron differentiation
GO:0034504	protein localization to nucleus
ENSG00000107623	GDF10 PPI subnetwork
ENSG00000163737	PF4 PPI subnetwork
MP:0000358	abnormal cell morphology
ENSG00000137561	TTPA PPI subnetwork
ENSG00000150907	FOXO1 PPI subnetwork
MP:0004772	abnormal bile secretion

MP:0005606	increased bleeding time
ENSG00000137642	SORL1 PPI subnetwork
REACTOME_METABOLISM_OF_STEROID_H(	REACTOME_METABOLISM_OF_STEROID_HORMONES_AND_V
ENSG00000142798	HSPG2 PPI subnetwork
ENSG00000113658	SMAD5 PPI subnetwork
ENSG00000081237	PTPRC PPI subnetwork
MP:0004609	vertebral fusion
GO:0043202	lysosomal lumen
GO:0006605	protein targeting
GO:0030055	cell-substrate junction
ENSG00000130208	APOC1 PPI subnetwork
MP:0001146	abnormal testis morphology
GO:0016725	oxidoreductase activity, acting on CH or CH2 groups
GO:0001889	liver development
MP:0004810	decreased hematopoietic stem cell number
GO:0005775	vacuolar lumen
KEGG_CYSTEINE_AND_METHIONINE_META	KEGG_CYSTEINE_AND_METHIONINE_METABOLISM
MP:0001879	abnormal lymphatic vessel morphology
GO:0031907	microbody lumen
GO:0005782	peroxisomal matrix
MP:0004686	decreased length of long bones
GO:0051170	nuclear import
MP:0001695	abnormal gastrulation
MP:0005312	pericardial effusion
MP:0004618	thoracic vertebral transformation
ENSG00000077943	ITGA8 PPI subnetwork
GO:0006606	protein import into nucleus
GO:0000271	polysaccharide biosynthetic process
GO:0044264	cellular polysaccharide metabolic process
GO:0046165	alcohol biosynthetic process
ENSG00000196411	EPHB4 PPI subnetwork
ENSG00000104814	MAP4K1 PPI subnetwork
MP:0005317	increased triglyceride level
MP:0000913	abnormal brain development
MP:0005011	increased eosinophil cell number
MP:0005282	decreased fatty acid level
MP:0002408	abnormal double-positive T cell morphology
GO:0016810	hydrolase activity, acting on carbon-nitrogen (but not peptide)
GO:0004620	phospholipase activity
ENSG00000197818	SLC9A8 PPI subnetwork
GO:0009743	response to carbohydrate stimulus
GO:0033365	protein localization to organelle
GO:0030193	regulation of blood coagulation
ENSG00000185950	IRS2 PPI subnetwork
GO:0005913	cell-cell adherens junction
GO:0005520	insulin-like growth factor binding
ENSG00000165409	TSHR PPI subnetwork
MP:0000133	abnormal long bone metaphysis morphology
MP:0000693	spleen hyperplasia
MP:0009814	increased prostaglandin level

ENSG00000013364	MVP PPI subnetwork
GO:0003707	steroid hormone receptor activity
MP:0003606	kidney failure
MP:0000493	rectal prolapse
ENSG00000120247	ENSG00000120247 PPI subnetwork
ENSG00000137080	IFNA21 PPI subnetwork
ENSG00000147877	ENSG00000147877 PPI subnetwork
ENSG00000188379	IFNA2 PPI subnetwork
ENSG00000147885	IFNA16 PPI subnetwork
ENSG00000186803	IFNA10 PPI subnetwork
ENSG00000120242	IFNA8 PPI subnetwork
ENSG00000147873	IFNA5 PPI subnetwork
ENSG00000186809	ENSG00000186809 PPI subnetwork
GO:0016860	intramolecular oxidoreductase activity
ENSG00000163810	TGM4 PPI subnetwork
ENSG00000145692	BHMT PPI subnetwork
GO:0070330	aromatase activity
ENSG00000111679	PTPN6 PPI subnetwork
ENSG00000173889	PHC3 PPI subnetwork
REACTOME_NUCLEAR_RECEPTOR_TRANSCI	REACTOME_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWA
MP:0004993	decreased bone resorption
GO:0001890	placenta development
GO:0019217	regulation of fatty acid metabolic process
GO:0060541	respiratory system development
GO:0070279	vitamin B6 binding
GO:0030170	pyridoxal phosphate binding
MP:0000218	increased leukocyte cell number
MP:0009767	decreased sensitivity to xenobiotic induced morbidity/mortali
MP:0002891	increased insulin sensitivity
MP:0005341	decreased susceptibility to atherosclerosis
GO:0046849	bone remodeling
MP:0005458	increased percent body fat
MP:0000063	decreased bone mineral density
ENSG00000118785	SPP1 PPI subnetwork
MP:0008561	decreased tumor necrosis factor secretion
GO:0016709	oxidoreductase activity, acting on paired donors, with incorpo
GO:0008203	cholesterol metabolic process
GO:0008009	chemokine activity
GO:0042379	chemokine receptor binding
ENSG00000112818	MEP1A PPI subnetwork
GO:0006897	endocytosis
GO:0010324	membrane invagination
GO:0001938	positive regulation of endothelial cell proliferation
MP:0005201	abnormal retinal pigment epithelium morphology
ENSG00000169429	IL8 PPI subnetwork
REACTOME_REGULATION_OF_GENE_EXPRI	REACTOME_REGULATION_OF_GENE_EXPRESSION_IN_BETA_C
ENSG00000150093	ITGB1 PPI subnetwork
ENSG00000160255	ITGB2 PPI subnetwork
MP:0002113	abnormal skeleton development
ENSG00000184432	COPB2 PPI subnetwork

REACTOME_P130CAS_LINKAGE_TO_MAPK_	REACTOME_P130CAS_LINKAGE_TO_MAPK_SIGNALING_FOR_I
ENSG00000083093	PALB2 PPI subnetwork
GO:0006958	complement activation, classical pathway
ENSG00000136108	CKAP2 PPI subnetwork
ENSG00000211592	ENSG00000211592 PPI subnetwork
GO:0042579	microbody
GO:0005777	peroxisome
ENSG00000137486	ARRB1 PPI subnetwork
REACTOME_SULFUR_AMINO_ACID_METAB	REACTOME_SULFUR_AMINO_ACID_METABOLISM
MP:0005558	decreased creatinine clearance
ENSG00000184557	SOCS3 PPI subnetwork
ENSG00000185010	F8 PPI subnetwork
GO:0005788	endoplasmic reticulum lumen
MP:0003983	decreased cholesterol level
GO:0051271	negative regulation of cellular component movement
GO:0008028	monocarboxylic acid transmembrane transporter activity
ENSG00000171681	ATF7IP PPI subnetwork
ENSG00000173039	RELA PPI subnetwork
GO:0031418	L-ascorbic acid binding
ENSG00000174718	C12orf35 PPI subnetwork
ENSG00000110944	IL23A PPI subnetwork
MP:0004057	thin myocardium compact layer
ENSG00000149131	SERPING1 PPI subnetwork
ENSG00000136488	CSH1 PPI subnetwork
ENSG00000152582	SPEF2 PPI subnetwork
ENSG00000119335	SET PPI subnetwork
ENSG00000161203	AP2M1 PPI subnetwork
MP:0002098	abnormal vibrissa morphology
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AN	REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS
ENSG00000140443	IGF1R PPI subnetwork
MP:0002111	abnormal tail morphology
MP:0006354	abnormal fourth branchial arch artery morphology
ENSG00000120833	SOCS2 PPI subnetwork
GO:0016125	sterol metabolic process
GO:0005507	copper ion binding
GO:0042304	regulation of fatty acid biosynthetic process
MP:0005592	abnormal vascular smooth muscle morphology
GO:0007596	blood coagulation
GO:0019200	carbohydrate kinase activity
ENSG00000171557	FGG PPI subnetwork
ENSG00000075413	MARK3 PPI subnetwork
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
GO:0019825	oxygen binding
GO:0016634	oxidoreductase activity, acting on the CH-CH group of donors,
MP:0000322	increased granulocyte number
ENSG00000102554	KLF5 PPI subnetwork
MP:0000039	abnormal otic capsule morphology
GO:0018108	peptidyl-tyrosine phosphorylation
ENSG00000100284	TOM1 PPI subnetwork
MP:0000474	abnormal foregut morphology

GO:0007599	hemostasis
MP:0000166	abnormal chondrocyte morphology
MP:0004924	abnormal behavior
GO:0005759	mitochondrial matrix
REACTOME_VITAMIN_B5_PANTOTHENATE_	REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM
REACTOME_BMAL1CLOCKNPAS2_ACTIVATE	REACTOME_BMAL1CLOCKNPAS2_ACTIVATES_GENE_EXPRESSI
REACTOME_CIRCADIAN_CLOCK	REACTOME_CIRCADIAN_CLOCK
ENSG00000095752	IL11 PPI subnetwork
ENSG00000171735	CAMTA1 PPI subnetwork
ENSG00000185338	SOCS1 PPI subnetwork
ENSG00000164400	CSF2 PPI subnetwork
GO:0040008	regulation of growth
KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS
GO:0004175	endopeptidase activity
KEGG_STARCH_AND_SUCROSE_METABOLIS	KEGG_STARCH_AND_SUCROSE_METABOLISM
GO:0061035	regulation of cartilage development
ENSG00000174177	CTU2 PPI subnetwork
GO:0046822	regulation of nucleocytoplasmic transport
MP:0002724	enhanced wound healing
MP:0003503	decreased activity of thyroid
GO:0006576	cellular biogenic amine metabolic process
KEGG_ARACHIDONIC_ACID_METABOLISM	KEGG_ARACHIDONIC_ACID_METABOLISM
MP:0002401	abnormal lymphopoiesis
ENSG00000104969	SGTA PPI subnetwork
ENSG00000143226	FCGR2A PPI subnetwork
MP:0000780	abnormal corpus callosum morphology
GO:0004177	aminopeptidase activity
GO:0035591	signaling adaptor activity
GO:0045017	glycerolipid biosynthetic process
ENSG00000171855	IFNB1 PPI subnetwork
MP:0003724	increased susceptibility to induced arthritis
ENSG00000115232	ITGA4 PPI subnetwork
GO:0030323	respiratory tube development
MP:0002954	abnormal aerobic energy metabolism
MP:0008140	podocyte foot process effacement
ENSG00000172179	PRL PPI subnetwork
MP:0002463	abnormal neutrophil physiology
GO:0005905	coated pit
ENSG00000171150	SOCS5 PPI subnetwork
ENSG00000112964	GHR PPI subnetwork
ENSG00000005339	CREBBP PPI subnetwork
GO:0006631	fatty acid metabolic process
ENSG00000120063	GNA13 PPI subnetwork
ENSG00000137462	TLR2 PPI subnetwork
ENSG00000115705	TPO PPI subnetwork
MP:0004779	abnormal production of surfactant
GO:0044042	glucan metabolic process
GO:0006073	cellular glucan metabolic process
ENSG00000126218	F10 PPI subnetwork
ENSG00000042832	TG PPI subnetwork

GO:0033993	response to lipid
ENSG00000198336	MYL4 PPI subnetwork
KEGG_BLADDER_CANCER	KEGG_BLADDER_CANCER
GO:0030324	lung development
GO:0048020	CCR chemokine receptor binding
GO:0010874	regulation of cholesterol efflux
ENSG00000113525	IL5 PPI subnetwork
GO:0032880	regulation of protein localization
ENSG00000196549	MME PPI subnetwork
GO:0019637	organophosphate metabolic process
GO:0016411	acylglycerol O-acyltransferase activity
MP:0005334	abnormal fat pad morphology
MP:0002128	abnormal blood circulation
ENSG00000196540	ENSG00000196540 PPI subnetwork
GO:0007259	JAK-STAT cascade
GO:0016597	amino acid binding
ENSG00000133935	C14orf1 PPI subnetwork
GO:0006644	phospholipid metabolic process
MP:0000685	abnormal immune system morphology
GO:0042493	response to drug
ENSG00000182446	NPLOC4 PPI subnetwork
MP:0005014	increased B cell number
ENSG00000005961	ITGA2B PPI subnetwork
MP:0001684	abnormal axial mesoderm
MP:0000333	decreased bone marrow cell number
ENSG00000137975	CLCA2 PPI subnetwork
GO:0003995	acyl-CoA dehydrogenase activity
GO:0030336	negative regulation of cell migration
ENSG00000136603	SKIL PPI subnetwork
GO:0051093	negative regulation of developmental process
MP:0004505	decreased renal glomerulus number
ENSG00000145777	TSLP PPI subnetwork
ENSG00000181929	PRKAG1 PPI subnetwork
GO:0050817	coagulation
GO:0009071	serine family amino acid catabolic process
REACTOME_TRANSPORT_TO_THE_GOLGI_A	REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT
MP:0011099	complete lethality throughout fetal growth and development
ENSG00000132780	NASP PPI subnetwork
ENSG00000162434	JAK1 PPI subnetwork
GO:0005977	glycogen metabolic process
ENSG00000107611	CUBN PPI subnetwork
ENSG00000127318	IL22 PPI subnetwork
ENSG00000187837	HIST1H1C PPI subnetwork
GO:0016835	carbon-oxygen lyase activity
MP:0005027	increased susceptibility to parasitic infection
GO:0034434	sterol esterification
GO:0034433	steroid esterification
GO:0034435	cholesterol esterification
MP:0005108	abnormal ulna morphology
ENSG00000183709	IL28A PPI subnetwork

ENSG00000147896	IFNK PPI subnetwork
ENSG00000184995	IFNE PPI subnetwork
ENSG00000145839	IL9 PPI subnetwork
ENSG00000111536	IL26 PPI subnetwork
ENSG00000162892	IL24 PPI subnetwork
ENSG00000128342	LIF PPI subnetwork
ENSG00000197110	IL28B PPI subnetwork
ENSG00000142224	IL19 PPI subnetwork
ENSG00000164136	IL15 PPI subnetwork
ENSG00000182393	IL29 PPI subnetwork
ENSG00000104432	IL7 PPI subnetwork
ENSG00000138684	IL21 PPI subnetwork
ENSG00000177047	IFNW1 PPI subnetwork
ENSG00000172594	SMPDL3A PPI subnetwork
ENSG00000179715	FAM113B PPI subnetwork
MP:0001921	reduced fertility
MP:0002998	abnormal bone remodeling
ENSG00000105855	ITGB8 PPI subnetwork
ENSG00000198104	OR2T6 PPI subnetwork
MP:0008874	decreased physiological sensitivity to xenobiotic
GO:0015908	fatty acid transport
MP:0002499	chronic inflammation
ENSG00000136169	SETDB2 PPI subnetwork
REACTOME_PEROXISOMAL_LIPID_METABO	REACTOME_PEROXISOMAL_LIPID_METABOLISM
MP:0009766	increased sensitivity to xenobiotic induced morbidity/mortalit
GO:0004869	cysteine-type endopeptidase inhibitor activity
GO:0005529	GO:0005529
MP:0001859	kidney inflammation
MP:0003704	abnormal hair follicle development
MP:0000167	decreased chondrocyte cell number
GO:0051169	nuclear transport
ENSG00000157557	ETS2 PPI subnetwork
GO:0042813	Wnt-activated receptor activity
REACTOME_COMMON_PATHWAY	REACTOME_COMMON_PATHWAY
ENSG00000114315	HES1 PPI subnetwork
ENSG00000101745	ANKRD12 PPI subnetwork
GO:0090066	regulation of anatomical structure size
MP:0008537	increased susceptibility to induced colitis
ENSG00000176444	CLK2 PPI subnetwork
MP:0000952	abnormal CNS glial cell morphology
ENSG00000109320	NFKB1 PPI subnetwork
GO:0016645	oxidoreductase activity, acting on the CH-NH group of donors
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_IN	KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION
KEGG_DRUG_METABOLISM_CYTOCHROME	KEGG_DRUG_METABOLISM_CYTOCHROME_P450
KEGG_GLYCEROPHOSPHOLIPID_METABOLI	KEGG_GLYCEROPHOSPHOLIPID_METABOLISM
ENSG00000130427	EPO PPI subnetwork
ENSG00000137309	HMGA1 PPI subnetwork
GO:0044272	sulfur compound biosynthetic process
MP:0000281	abnormal interventricular septum morphology
GO:0032869	cellular response to insulin stimulus

ENSG00000184588	PDE4B PPI subnetwork
MP:0001242	hyperkeratosis
GO:0034377	plasma lipoprotein particle assembly
GO:0065005	protein-lipid complex assembly
MP:0001853	heart inflammation
ENSG00000169813	HNRNPF PPI subnetwork
ENSG00000113889	KNG1 PPI subnetwork
GO:0043277	apoptotic cell clearance
KEGG_PATHWAYS_IN_CANCER	KEGG_PATHWAYS_IN_CANCER
GO:0045923	positive regulation of fatty acid metabolic process
ENSG00000155897	ADCY8 PPI subnetwork
MP:0006094	increased fat cell size
MP:0011089	complete perinatal lethality
GO:0008170	N-methyltransferase activity
GO:0001936	regulation of endothelial cell proliferation
MP:0008151	increased diameter of long bones
MP:0008396	abnormal osteoclast differentiation
ENSG00000132825	PPP1R3D PPI subnetwork
ENSG00000166333	ILK PPI subnetwork
ENSG00000158769	F11R PPI subnetwork
ENSG00000113520	IL4 PPI subnetwork
MP:0002359	abnormal spleen germinal center morphology
MP:0006029	abnormal sclerotome morphology
GO:0009062	fatty acid catabolic process
ENSG00000075388	FGF4 PPI subnetwork
MP:0002404	increased intestinal adenoma incidence
MP:0003055	abnormal long bone epiphyseal plate morphology
KEGG_METABOLISM_OF_XENOBIOTICS_BY_	KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P4
GO:0010883	regulation of lipid storage
ENSG00000112186	CAP2 PPI subnetwork
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
GO:0010745	negative regulation of macrophage derived foam cell different
ENSG00000164050	PLXNB1 PPI subnetwork
MP:0008484	decreased spleen germinal center size
ENSG00000163464	CXCR1 PPI subnetwork
MP:0001533	abnormal skeleton physiology
ENSG00000004799	PDK4 PPI subnetwork
ENSG00000135144	DTX1 PPI subnetwork
GO:0030203	glycosaminoglycan metabolic process
MP:0004762	increased anti-double stranded DNA antibody level
MP:0004969	pale kidney
ENSG00000150281	CTF1 PPI subnetwork
MP:0000295	trabecula carnea hypoplasia
ENSG00000047936	ROS1 PPI subnetwork
ENSG00000179776	CDH5 PPI subnetwork
MP:0008577	increased circulating interferon-gamma level
MP:0000220	increased monocyte cell number
ENSG00000002834	LASP1 PPI subnetwork
GO:0030166	proteoglycan biosynthetic process
GO:0046394	carboxylic acid biosynthetic process

GO:0016053	organic acid biosynthetic process
GO:0070403	NAD+ binding
GO:0008483	transaminase activity
MP:0002810	microcytic anemia
REACTOME_GLYCOGEN_BREAKDOWN_GLY	REACTOME_GLYCOGEN_BREAKDOWN_GLYCOGENOLYSIS
ENSG00000137801	THBS1 PPI subnetwork
ENSG00000168490	PHYHIP PPI subnetwork
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_IRE1ALPHA
ENSG00000173702	MUC13 PPI subnetwork
GO:0052547	regulation of peptidase activity
MP:0000939	decreased motor neuron number
MP:0008844	decreased subcutaneous adipose tissue amount
MP:0005025	abnormal response to infection
MP:0006298	abnormal platelet activation
ENSG00000085063	CD59 PPI subnetwork
ENSG00000118972	FGF23 PPI subnetwork
ENSG00000161618	ALDH16A1 PPI subnetwork
KEGG_P53_SIGNALING_PATHWAY	KEGG_P53_SIGNALING_PATHWAY
ENSG00000203747	FCGR3A PPI subnetwork
MP:0008208	decreased pro-B cell number
ENSG00000099860	GADD45B PPI subnetwork
ENSG00000141378	PTRH2 PPI subnetwork
ENSG00000146963	LUC7L2 PPI subnetwork
ENSG00000104549	SQLE PPI subnetwork
ENSG00000180008	SOCS4 PPI subnetwork
ENSG00000116678	LEPR PPI subnetwork
ENSG00000076641	PAG1 PPI subnetwork
GO:0005178	integrin binding
ENSG00000100644	HIF1A PPI subnetwork
ENSG00000075415	SLC25A3 PPI subnetwork
GO:0051247	positive regulation of protein metabolic process
REACTOME_NEGATIVE_REGULATION_OF_F	REACTOME_NEGATIVE_REGULATION_OF_FGFR_SIGNALING
ENSG00000140740	UQCRC2 PPI subnetwork
MP:0001245	thick dermal layer
ENSG00000162409	PRKAA2 PPI subnetwork
GO:0016863	intramolecular oxidoreductase activity, transposing C=C bonds
ENSG00000171403	KRT9 PPI subnetwork
ENSG00000133116	KL PPI subnetwork
GO:0051050	positive regulation of transport
ENSG00000044115	CTNNA1 PPI subnetwork
MP:0000585	kinked tail
ENSG00000170927	PKHD1 PPI subnetwork
REACTOME_TRANSCRIPTIONAL_REGULATIC	REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_AD
ENSG00000186081	KRT5 PPI subnetwork
MP:0008539	decreased susceptibility to induced colitis
MP:0000130	abnormal trabecular bone morphology
ENSG00000110955	ATP5B PPI subnetwork
ENSG00000159189	C1QC PPI subnetwork
GO:0016811	hydrolase activity, acting on carbon-nitrogen (but not peptide)
GO:0060341	regulation of cellular localization

ENSG00000162891	IL20 PPI subnetwork
GO:0006022	aminoglycan metabolic process
REACTOME_REGULATION_OF_GLUCOKINAS	REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINA
GO:0070988	demethylation
ENSG00000134259	NGF PPI subnetwork
GO:0016763	transferase activity, transferring pentosyl groups
MP:0002621	delayed neural tube closure
MP:0005466	abnormal T-helper 2 physiology
GO:0006913	nucleocytoplasmic transport
MP:0000547	short limbs
GO:0002684	positive regulation of immune system process
ENSG00000185245	GP1BA PPI subnetwork
ENSG00000138293	NCOA4 PPI subnetwork
ENSG00000163513	TGFBR2 PPI subnetwork
MP:0008752	abnormal tumor necrosis factor level
ENSG00000156482	RPL30 PPI subnetwork
GO:0050795	regulation of behavior
REACTOME_ZINC_INFLUX_INTO_CELLS_BY_	REACTOME_ZINC_INFLUX_INTO_CELLS_BY_THE_SLC39_GENE
GO:0007623	circadian rhythm
REACTOME_UNFOLDED_PROTEIN_RESPON	REACTOME_UNFOLDED_PROTEIN_RESPONSE
MP:0004982	abnormal osteoclast morphology
REACTOME_ASPARAGINE_N:LINKED_GLYCO	REACTOME_ASPARAGINE_N:LINKED_GLYCOSYLATION
MP:0008560	increased tumor necrosis factor secretion
GO:0010888	negative regulation of lipid storage
ENSG00000012124	CD22 PPI subnetwork
GO:0006959	humoral immune response
ENSG00000130669	PAK4 PPI subnetwork
GO:0009306	protein secretion
MP:0008700	decreased interleukin-4 secretion
ENSG00000108654	DDX5 PPI subnetwork
GO:0008206	bile acid metabolic process
GO:2000146	negative regulation of cell motility
ENSG00000115221	ITGB6 PPI subnetwork
MP:0001688	abnormal somite development
ENSG00000156127	BATF PPI subnetwork
GO:0044433	cytoplasmic vesicle part
MP:0001780	decreased brown adipose tissue amount
REACTOME_FACILITATIVE_NA:INDEPENDEN	REACTOME_FACILITATIVE_NA:INDEPENDENT_GLUCOSE_TRAN
GO:0042312	regulation of vasodilation
GO:0004879	ligand-activated sequence-specific DNA binding RNA polymera
ENSG00000075426	FOSL2 PPI subnetwork
ENSG00000102678	FGF9 PPI subnetwork
MP:0005602	decreased angiogenesis
ENSG00000172602	RND1 PPI subnetwork
ENSG00000117528	ABCD3 PPI subnetwork
KEGG_PANTOTHENATE_AND_COA_BIOSYN	KEGG_PANTOTHENATE_AND_COA_BIOSYNTHESIS
GO:0030258	lipid modification
GO:0051917	regulation of fibrinolysis
ENSG00000109471	IL2 PPI subnetwork
ENSG00000100311	PDGFB PPI subnetwork

MP:0002446	abnormal macrophage morphology
MP:0009788	increased susceptibility to bacterial infection induced morbidit
MP:0011087	complete neonatal lethality
GO:0048246	macrophage chemotaxis
ENSG00000156304	SCAF4 PPI subnetwork
GO:0007568	aging
GO:0010817	regulation of hormone levels
GO:0016769	transferase activity, transferring nitrogenous groups
GO:0018214	protein carboxylation
GO:0017187	peptidyl-glutamic acid carboxylation
ENSG00000154380	ENAH PPI subnetwork
ENSG00000117335	CD46 PPI subnetwork
ENSG00000065833	ME1 PPI subnetwork
MP:0001196	shiny skin
ENSG00000163453	IGFBP7 PPI subnetwork
GO:0010594	regulation of endothelial cell migration
ENSG00000154162	CDH12 PPI subnetwork
GO:0035295	tube development
GO:0002252	immune effector process
MP:0001511	disheveled coat
REACTOME_TRYPTOPHAN_CATABOLISM	REACTOME_TRYPTOPHAN_CATABOLISM
GO:0030299	intestinal cholesterol absorption
ENSG00000108342	CSF3 PPI subnetwork
MP:0005670	abnormal white adipose tissue physiology
GO:0008235	metalloexopeptidase activity
GO:0005126	cytokine receptor binding
ENSG00000117400	MPL PPI subnetwork
MP:0003957	abnormal nitric oxide homeostasis
GO:0001540	beta-amyloid binding
GO:0046425	regulation of JAK-STAT cascade
GO:0046875	ephrin receptor binding
MP:0003425	abnormal optic vesicle formation
MP:0000512	intestinal ulcer
ENSG00000166913	YWHAB PPI subnetwork
KEGG_BUTANOATE_METABOLISM	KEGG_BUTANOATE_METABOLISM
ENSG00000105671	DDX49 PPI subnetwork
ENSG00000168924	LETM1 PPI subnetwork
ENSG00000120885	CLU PPI subnetwork
MP:0001787	pericardial edema
GO:0007565	female pregnancy
ENSG00000109819	PPARGC1A PPI subnetwork
REACTOME_VEGF_LIGAND:RECEPTOR_INTE	REACTOME_VEGF_LIGAND:RECEPTOR_INTERACTIONS
REACTOME_SIGNALING_BY_VEGF	REACTOME_SIGNALING_BY_VEGF
KEGG_HISTIDINE_METABOLISM	KEGG_HISTIDINE_METABOLISM
GO:0006520	cellular amino acid metabolic process
GO:0001666	response to hypoxia
MP:0000240	extramedullary hematopoiesis
REACTOME_CALCITONIN:LIKE_LIGAND_REC	REACTOME_CALCITONIN:LIKE_LIGAND_RECEPTORS
KEGG_N_GLYCAN_BIOSYNTHESIS	KEGG_N_GLYCAN_BIOSYNTHESIS
MP:0003130	anal atresia

GO:0051260	protein homooligomerization
ENSG00000142949	PTPRF PPI subnetwork
GO:0016853	isomerase activity
ENSG00000120705	ETF1 PPI subnetwork
MP:0005478	decreased circulating thyroxine level
ENSG00000010278	CD9 PPI subnetwork
MP:0004568	fusion of glossopharyngeal and vagus nerve
MP:0001431	abnormal eating behavior
MP:0001134	absent corpus luteum
GO:0009395	phospholipid catabolic process
MP:0005150	cachexia
MP:0002273	abnormal pulmonary alveolus epithelial cell morphology
GO:0001664	G-protein coupled receptor binding
GO:0008209	androgen metabolic process
MP:0010418	perimembraneous ventricular septal defect
MP:0003304	large intestinal inflammation
ENSG00000119414	PPP6C PPI subnetwork
GO:0048771	tissue remodeling
GO:0019841	retinol binding
ENSG00000043355	ZIC2 PPI subnetwork
ENSG00000100346	CACNA1I PPI subnetwork
GO:0003013	circulatory system process
GO:0048770	pigment granule
GO:0042470	melanosome
GO:0005764	lysosome
GO:0000323	lytic vacuole
ENSG00000105639	JAK3 PPI subnetwork
ENSG00000188536	HBA2 PPI subnetwork
ENSG00000206172	HBA1 PPI subnetwork
MP:0000229	abnormal megakaryocyte differentiation
ENSG00000132005	RFX1 PPI subnetwork
GO:0043235	receptor complex
MP:0000757	herniated abdominal wall
GO:0005849	mRNA cleavage factor complex
GO:0005770	late endosome
GO:0030291	protein serine/threonine kinase inhibitor activity
GO:0016538	cyclin-dependent protein kinase regulator activity
GO:0060191	regulation of lipase activity
MP:0008500	increased IgG2a level
ENSG00000141232	TOB1 PPI subnetwork
MP:0001585	hemolytic anemia
KEGG_ADIPOCYTOKINE_SIGNALING_PATHW	KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY
GO:0034754	cellular hormone metabolic process
KEGG_NOTCH_SIGNALING_PATHWAY	KEGG_NOTCH_SIGNALING_PATHWAY
GO:0002455	humoral immune response mediated by circulating immunogl
MP:0011024	abnormal branching involved in lung morphogenesis
GO:0042730	fibrinolysis
ENSG00000105197	TIMM50 PPI subnetwork
MP:0001505	hunched posture
ENSG00000074319	TSG101 PPI subnetwork

MP:0003934	abnormal pancreas development
GO:0006767	water-soluble vitamin metabolic process
ENSG00000072958	AP1M1 PPI subnetwork
GO:0050727	regulation of inflammatory response
KEGG_LYSOSOME	KEGG_LYSOSOME
GO:0022603	regulation of anatomical structure morphogenesis
GO:0046332	SMAD binding
GO:0006979	response to oxidative stress
ENSG00000084676	NCOA1 PPI subnetwork
MP:0005006	abnormal osteoblast physiology
GO:0015149	hexose transmembrane transporter activity
ENSG00000166930	MS4A5 PPI subnetwork
ENSG00000120693	SMAD9 PPI subnetwork
MP:0004251	failure of heart looping
ENSG00000141736	ERBB2 PPI subnetwork
MP:0004936	impaired branching involved in ureteric bud morphogenesis
ENSG00000049618	ARID1B PPI subnetwork
KEGG_CIRCADIAN_RHYTHM_MAMMAL	KEGG_CIRCADIAN_RHYTHM_MAMMAL
MP:0003953	abnormal hormone level
GO:0051046	regulation of secretion
MP:0004703	abnormal vertebral column morphology
GO:0070613	regulation of protein processing
ENSG00000162702	ZNF281 PPI subnetwork
REACTOME_GLYCOLYSIS	REACTOME_GLYCOLYSIS
ENSG00000164078	MST1R PPI subnetwork
GO:0050994	regulation of lipid catabolic process
GO:0033157	regulation of intracellular protein transport
ENSG00000134871	COL4A2 PPI subnetwork
MP:0003723	abnormal long bone morphology
GO:0008395	steroid hydroxylase activity
GO:0051119	sugar transmembrane transporter activity
ENSG00000206346	DOM3Z PPI subnetwork
ENSG00000206266	ENSG00000206266 PPI subnetwork
ENSG00000204348	DOM3Z PPI subnetwork
GO:0034440	lipid oxidation
ENSG00000155926	SLA PPI subnetwork
ENSG00000169306	IL1RAPL1 PPI subnetwork
GO:0033273	response to vitamin
MP:0010872	increased trabecular bone mass
MP:0008593	increased circulating interleukin-10 level
ENSG00000178607	ERN1 PPI subnetwork
GO:0004091	carboxylesterase activity
GO:0043491	protein kinase B signaling cascade
MP:0001672	abnormal embryogenesis/ development
GO:0016798	hydrolase activity, acting on glycosyl bonds
ENSG00000122756	CNTFR PPI subnetwork
ENSG00000129048	CCRL1 PPI subnetwork
MP:0005565	increased blood urea nitrogen level
GO:0005768	endosome
GO:0031300	intrinsic to organelle membrane

MP:0004796	increased anti-histone antibody level
MP:0006264	decreased systemic arterial systolic blood pressure
KEGG_NICOTINATE_AND_NICOTINAMIDE_M	KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM
MP:0002177	abnormal outer ear morphology
ENSG00000125944	HNRNPR PPI subnetwork
ENSG00000037280	FLT4 PPI subnetwork
REACTOME_MRNA_3:END_PROCESSING	REACTOME_MRNA_3:END_PROCESSING
REACTOME_POST:ELONGATION_PROCESSIN	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRON:CC
GO:0045596	negative regulation of cell differentiation
GO:0005355	glucose transmembrane transporter activity
MP:0004794	increased anti-nuclear antigen antibody level
ENSG00000103942	HOMER2 PPI subnetwork
MP:0001613	abnormal vasodilation
ENSG00000164399	IL3 PPI subnetwork
ENSG00000169564	PCBP1 PPI subnetwork
ENSG00000003436	TFPI PPI subnetwork
MP:0002747	abnormal aortic valve morphology
GO:0004553	hydrolase activity, hydrolyzing O-glycosyl compounds
MP:0009660	abnormal induced retinal neovascularization
ENSG00000034971	MYOC PPI subnetwork
ENSG00000138448	ITGAV PPI subnetwork
MP:0005065	abnormal neutrophil morphology
ENSG00000148082	SHC3 PPI subnetwork
ENSG00000170260	ZNF212 PPI subnetwork
ENSG00000119630	PGF PPI subnetwork
MP:0003070	increased vascular permeability
KEGG_JAK_STAT_SIGNALING_PATHWAY	KEGG_JAK_STAT_SIGNALING_PATHWAY
KEGG_TGF_BETA_SIGNALING_PATHWAY	KEGG_TGF_BETA_SIGNALING_PATHWAY
ENSG00000104980	TIMM44 PPI subnetwork
GO:0042445	hormone metabolic process
ENSG00000196700	ZNF512B PPI subnetwork
GO:0046942	carboxylic acid transport
GO:0006766	vitamin metabolic process
ENSG00000136485	DCAF7 PPI subnetwork
REACTOME_GLUCONEOGENESIS	REACTOME_GLUCONEOGENESIS
GO:0043499	eukaryotic cell surface binding
ENSG00000113407	TARS PPI subnetwork
MP:0002642	anisocytosis
MP:0003638	abnormal response/metabolism to endogenous compounds
GO:0051427	hormone receptor binding
MP:0003911	increased drinking behavior
GO:0008013	beta-catenin binding
MP:0005036	diarrhea
ENSG00000196365	LONP1 PPI subnetwork
MP:0002085	abnormal embryonic tissue morphology
GO:0008015	blood circulation
MP:0004607	abnormal cervical atlas morphology
GO:0009310	amine catabolic process
ENSG00000170027	YWHAG PPI subnetwork
MP:0000165	abnormal long bone hypertrophic chondrocyte zone

GO:0019199	transmembrane receptor protein kinase activity
ENSG00000196083	IL1RAP PPI subnetwork
GO:0050818	regulation of coagulation
GO:0071941	nitrogen cycle metabolic process
MP:0005342	abnormal intestinal lipid absorption
MP:0000601	small liver
MP:0005015	increased T cell number
GO:0005938	cell cortex
MP:0003036	vertebral transformation
MP:0008146	asymmetric rib-sternum attachment
ENSG00000168918	INPP5D PPI subnetwork
GO:0071216	cellular response to biotic stimulus
ENSG00000197905	TEAD4 PPI subnetwork
MP:0000097	short maxilla
ENSG00000100380	ST13 PPI subnetwork
GO:0046943	carboxylic acid transmembrane transporter activity
MP:0000696	abnormal Peyer's patch morphology
ENSG00000071537	SEL1L PPI subnetwork
GO:0042800	histone methyltransferase activity (H3-K4 specific)
GO:0042277	peptide binding
MP:0010724	thick interventricular septum
GO:0003706	ligand-regulated transcription factor activity
ENSG00000168298	HIST1H1E PPI subnetwork
GO:0009896	positive regulation of catabolic process
ENSG00000120688	WBP4 PPI subnetwork
MP:0001876	decreased inflammatory response
ENSG00000103089	FA2H PPI subnetwork
ENSG00000177600	RPLP2 PPI subnetwork
MP:0001120	abnormal uterus morphology
GO:0045178	basal part of cell
MP:0008074	increased CD4-positive T cell number
GO:0006725	cellular aromatic compound metabolic process
GO:0005125	cytokine activity
ENSG00000095637	SORBS1 PPI subnetwork
GO:0007160	cell-matrix adhesion
MP:0004158	right aortic arch
ENSG00000182578	CSF1R PPI subnetwork
MP:0001399	hyperactivity
REACTOME_PI:3K_CASCADE	REACTOME_PI:3K_CASCADE
MP:0000848	abnormal pons morphology
MP:0004883	abnormal vascular wound healing
REACTOME_ACTIVATION_OF_CHAPERONE_	REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S
MP:0002442	abnormal leukocyte physiology
KEGG_DRUG_METABOLISM_OTHER_ENZYM	KEGG_DRUG_METABOLISM_OTHER_ENZYMES
ENSG00000164692	COL1A2 PPI subnetwork
ENSG00000159216	RUNX1 PPI subnetwork
REACTOME_PHASE_II_CONJUGATION	REACTOME_PHASE_II_CONJUGATION
MP:0003051	curly tail
GO:0032270	positive regulation of cellular protein metabolic process
ENSG00000164327	RICTOR PPI subnetwork

GO:0006575	cellular modified amino acid metabolic process
GO:0016878	acid-thiol ligase activity
ENSG00000109846	CRYAB PPI subnetwork
MP:0004985	decreased osteoclast cell number
GO:0005501	retinoid binding
MP:0009643	abnormal urine homeostasis
ENSG00000102010	BMX PPI subnetwork
GO:0009069	serine family amino acid metabolic process
GO:0050873	brown fat cell differentiation
MP:0001881	abnormal mammary gland physiology
ENSG00000107643	MAPK8 PPI subnetwork
KEGG_ABC_TRANSPORTERS	KEGG_ABC_TRANSPORTERS
MP:0003409	decreased width of hypertrophic chondrocyte zone
ENSG00000213949	ITGA1 PPI subnetwork
GO:0033692	cellular polysaccharide biosynthetic process
ENSG00000100985	MMP9 PPI subnetwork
GO:0015101	organic cation transmembrane transporter activity
MP:0001636	irregular heartbeat
GO:0009063	cellular amino acid catabolic process
ENSG00000175197	DDIT3 PPI subnetwork
MP:0001544	abnormal cardiovascular system physiology
GO:0030855	epithelial cell differentiation
GO:0002237	response to molecule of bacterial origin
MP:0001614	abnormal blood vessel morphology
ENSG00000116754	SRSF11 PPI subnetwork
MP:0008641	increased circulating interleukin-1 beta level
GO:0046463	acylglycerol biosynthetic process
GO:0046460	neutral lipid biosynthetic process
GO:0052548	regulation of endopeptidase activity
GO:0017144	drug metabolic process
GO:0016407	acetyltransferase activity
MP:0008809	increased spleen iron level
MP:0004014	abnormal uterine environment
MP:0001190	reddish skin
ENSG00000170345	FOS PPI subnetwork
GO:0006730	one-carbon metabolic process
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS	REACTOME_TRIGLYCERIDE_BIOSYNTHESIS
MP:0010375	increased kidney iron level
MP:0011088	partial neonatal lethality
GO:0031589	cell-substrate adhesion
ENSG00000145675	PIK3R1 PPI subnetwork
MP:0008033	impaired lipolysis
GO:0040013	negative regulation of locomotion
MP:0001257	increased body length
ENSG00000103653	CSK PPI subnetwork
GO:0015932	nucleobase-containing compound transmembrane transporte
GO:0043542	endothelial cell migration
GO:0019218	regulation of steroid metabolic process
MP:0002082	postnatal lethality
GO:0045597	positive regulation of cell differentiation

MP:0000377	abnormal hair follicle morphology
GO:0005978	glycogen biosynthetic process
GO:0009250	glucan biosynthetic process
ENSG00000147168	IL2RG PPI subnetwork
MP:0000689	abnormal spleen morphology
GO:0015849	organic acid transport
GO:0009617	response to bacterium
MP:0001730	embryonic growth arrest
ENSG00000178952	TUFM PPI subnetwork
ENSG00000198788	MUC2 PPI subnetwork
GO:0032103	positive regulation of response to external stimulus
MP:0004130	abnormal muscle cell glucose uptake
ENSG00000162298	SYVN1 PPI subnetwork
KEGG_ACUTE_MYELOID_LEUKEMIA	KEGG_ACUTE_MYELOID_LEUKEMIA
ENSG00000173372	C1QA PPI subnetwork
ENSG00000104938	CLEC4M PPI subnetwork
GO:0003714	transcription corepressor activity
GO:0002576	platelet degranulation
MP:0000291	enlarged pericardium
ENSG00000186951	PPARA PPI subnetwork
ENSG00000174175	SELP PPI subnetwork
ENSG00000187266	EPOR PPI subnetwork
GO:0009064	glutamine family amino acid metabolic process
ENSG00000119535	CSF3R PPI subnetwork
MP:0000280	thin ventricular wall
GO:0048568	embryonic organ development
GO:0019840	isoprenoid binding
GO:0043603	cellular amide metabolic process
MP:0001798	impaired macrophage phagocytosis
ENSG00000082701	GSK3B PPI subnetwork
ENSG00000102755	FLT1 PPI subnetwork
ENSG00000153187	HNRNPU PPI subnetwork
MP:0003658	abnormal capillary morphology
GO:0005581	collagen
ENSG00000091127	PUS7 PPI subnetwork
KEGG_RENAL_CELL_CARCINOMA	KEGG_RENAL_CELL_CARCINOMA
MP:0000120	malocclusion
MP:0003634	abnormal glial cell morphology
MP:0005465	abnormal T-helper 1 physiology
MP:0008750	abnormal interferon level
ENSG00000169047	IRS1 PPI subnetwork
MP:0000137	abnormal vertebrae morphology
GO:0005044	scavenger receptor activity
ENSG00000150630	VEGFC PPI subnetwork
MP:0004852	decreased testis weight
KEGG_ASCORBATE_AND_ALDARATE_META	KEGG_ASCORBATE_AND_ALDARATE_METABOLISM
ENSG00000040199	PHLPP2 PPI subnetwork
MP:0000067	osteopetrosis
ENSG00000160712	IL6R PPI subnetwork
ENSG00000140829	DHX38 PPI subnetwork

MP:0000109	abnormal parietal bone morphology
MP:0001272	increased metastatic potential
GO:0070482	response to oxygen levels
MP:0002275	abnormal type II pneumocyte morphology
REACTOME_PEPTIDE_LIGAND:BINDING_RE	REACTOME_PEPTIDE_LIGAND:BINDING_RECEPTORS
ENSG00000050748	MAPK9 PPI subnetwork
KEGG_HEMATOPOIETIC_CELL_LINEAGE	KEGG_HEMATOPOIETIC_CELL_LINEAGE
ENSG00000100842	EFS PPI subnetwork
ENSG00000165731	RET PPI subnetwork
ENSG00000143375	CGN PPI subnetwork
MP:0005399	increased susceptibility to fungal infection
MP:0004808	abnormal hematopoietic stem cell morphology
MP:0008182	decreased marginal zone B cell number
GO:0051259	protein oligomerization
ENSG00000197043	ANXA6 PPI subnetwork
ENSG00000142539	SPIB PPI subnetwork
ENSG00000100030	MAPK1 PPI subnetwork
REACTOME_SLC:MEDIATED_TRANSMEMBR	REACTOME_SLC:MEDIATED_TRANSMEMBRANE_TRANSPORT
REACTOME_SIGNALING_BY_INTERLEUKINS	REACTOME_SIGNALING_BY_INTERLEUKINS
ENSG00000108100	CCNY PPI subnetwork
ENSG00000151693	ASAP2 PPI subnetwork
ENSG00000165458	INPPL1 PPI subnetwork
MP:0002495	increased IgA level
MP:0010402	ventricular septal defect
MP:0008049	increased memory T cell number
GO:0016229	steroid dehydrogenase activity
ENSG00000177455	CD19 PPI subnetwork
MP:0008973	decreased erythroid progenitor cell number
ENSG00000169217	CD2BP2 PPI subnetwork
GO:0043408	regulation of MAPK cascade
MP:0011423	kidney cortex atrophy
ENSG00000185634	SHC4 PPI subnetwork
ENSG00000104368	PLAT PPI subnetwork
ENSG00000162772	ATF3 PPI subnetwork
GO:0030145	manganese ion binding
MP:0000414	alopecia
ENSG00000157193	LRP8 PPI subnetwork
MP:0002080	prenatal lethality
ENSG00000119729	RHOQ PPI subnetwork
GO:0019395	fatty acid oxidation
MP:0002088	abnormal embryonic growth/weight/body size
MP:0001239	abnormal epidermis stratum granulosum morphology
ENSG00000128052	KDR PPI subnetwork
GO:0006721	terpenoid metabolic process
GO:0005342	organic acid transmembrane transporter activity
MP:0008751	abnormal interleukin level
ENSG00000198793	MTOR PPI subnetwork
MP:0003131	increased erythrocyte cell number
MP:0003861	abnormal nervous system development
ENSG00000133794	ARNTL PPI subnetwork

GO:0017147	Wnt-protein binding
GO:0070412	R-SMAD binding
GO:0051180	vitamin transport
ENSG00000205572	SERF1B PPI subnetwork
ENSG00000172058	SERF1A PPI subnetwork
GO:0001968	fibronectin binding
ENSG00000184270	HIST2H2AB PPI subnetwork
GO:0044241	lipid digestion
GO:0005070	SH3/SH2 adaptor activity
ENSG00000101439	CST3 PPI subnetwork
MP:0001314	corneal opacity
MP:0002344	abnormal lymph node B cell domain morphology
GO:0032496	response to lipopolysaccharide
GO:0031016	pancreas development
MP:0005425	increased macrophage cell number
ENSG00000113594	LIFR PPI subnetwork
REACTOME_ENDOGENOUS_STEROLS	REACTOME_ENDOGENOUS_STEROLS
GO:0001816	cytokine production
ENSG00000198223	CSF2RA PPI subnetwork
ENSG00000158796	DEDD PPI subnetwork
GO:0048589	developmental growth
REACTOME_MITOCHONDRIAL_FATTY_ACID	REACTOME_MITOCHONDRIAL_FATTY_ACID_BETA:OXIDATION
MP:0008024	absent lymph nodes
REACTOME_ETHANOL_OXIDATION	REACTOME_ETHANOL_OXIDATION
ENSG00000206274	ENSG00000206274 PPI subnetwork
ENSG00000206383	HSPA1L PPI subnetwork
MP:0003795	abnormal bone structure
MP:0003936	abnormal reproductive system development
GO:0016628	oxidoreductase activity, acting on the CH-CH group of donors,
ENSG00000091181	IL5RA PPI subnetwork
ENSG00000113494	PRLR PPI subnetwork
GO:0009897	external side of plasma membrane
ENSG00000182511	FES PPI subnetwork
ENSG00000108821	COL1A1 PPI subnetwork
MP:0011260	abnormal head mesenchyme morphology
ENSG00000198561	CTNND1 PPI subnetwork
ENSG00000124198	ARFGEF2 PPI subnetwork
GO:0010466	negative regulation of peptidase activity
GO:0016209	antioxidant activity
REACTOME_POST:TRANSLATIONAL_PROTEI	REACTOME_POST:TRANSLATIONAL_PROTEIN_MODIFICATION
KEGG_GALACTOSE_METABOLISM	KEGG_GALACTOSE_METABOLISM
MP:0008209	decreased pre-B cell number
MP:0003139	patent ductus arteriosus
ENSG00000143727	ACP1 PPI subnetwork
GO:0009607	response to biotic stimulus
REACTOME_TRANSPORT_OF_MATURE_TRA	REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYT
ENSG00000114270	COL7A1 PPI subnetwork
ENSG00000105379	ETFB PPI subnetwork
GO:0051222	positive regulation of protein transport
MP:0002270	abnormal pulmonary alveolus morphology

MP:0004616	lumbar vertebral transformation
MP:0003910	decreased eating behavior
GO:0002526	acute inflammatory response
ENSG00000077238	IL4R PPI subnetwork
ENSG00000145715	RASA1 PPI subnetwork
MP:0000065	abnormal bone marrow cavity morphology
REACTOME_SIGNALING_BY_NODAL	REACTOME_SIGNALING_BY_NODAL
ENSG00000122679	RAMP3 PPI subnetwork
GO:0005922	connexon complex
MP:0000222	decreased neutrophil cell number
GO:0048710	regulation of astrocyte differentiation
MP:0008670	decreased interleukin-12b secretion
ENSG00000113580	NR3C1 PPI subnetwork
GO:0043086	negative regulation of catalytic activity
ENSG00000115594	IL1R1 PPI subnetwork
ENSG00000105726	ATP13A1 PPI subnetwork
GO:0051591	response to cAMP
MP:0005013	increased lymphocyte cell number
ENSG00000176165	FOXG1 PPI subnetwork
MP:0001732	postnatal growth retardation
GO:0030194	positive regulation of blood coagulation
ENSG00000153879	CEBPG PPI subnetwork
GO:0010573	vascular endothelial growth factor production
GO:0010574	regulation of vascular endothelial growth factor production
MP:0002842	increased systemic arterial blood pressure
GO:0019439	aromatic compound catabolic process
GO:0033627	cell adhesion mediated by integrin
ENSG00000011422	PLAUR PPI subnetwork
MP:0000702	enlarged lymph nodes
ENSG00000164220	F2RL2 PPI subnetwork
ENSG00000125740	FOSB PPI subnetwork
ENSG00000137834	SMAD6 PPI subnetwork
MP:0002989	small kidney
REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4	REACTOME_TOLL_LIKE_RECEPTOR_4_TLR4_CASCADE
MP:0003383	abnormal gluconeogenesis
ENSG00000103126	AXIN1 PPI subnetwork
ENSG00000173511	VEGFB PPI subnetwork
ENSG00000123268	ATF1 PPI subnetwork
ENSG00000115884	SDC1 PPI subnetwork
MP:0000788	abnormal cerebral cortex morphology
ENSG00000137275	RIPK1 PPI subnetwork
MP:0005590	increased vasodilation
GO:0050708	regulation of protein secretion
GO:0006112	energy reserve metabolic process
GO:0051346	negative regulation of hydrolase activity
ENSG00000067225	PKM2 PPI subnetwork
GO:0045723	positive regulation of fatty acid biosynthetic process
MP:0008501	increased IgG2b level
MP:0001726	abnormal allantois morphology
GO:0019210	kinase inhibitor activity

ENSG00000212645	ENSG00000212645 PPI subnetwork
MP:0002884	abnormal branchial arch morphology
GO:0030100	regulation of endocytosis
ENSG00000136111	TBC1D4 PPI subnetwork
ENSG00000126934	MAP2K2 PPI subnetwork
ENSG00000078061	ARAF PPI subnetwork
ENSG00000084774	CAD PPI subnetwork
ENSG00000165280	VCP PPI subnetwork
ENSG00000135930	EIF4E2 PPI subnetwork
ENSG00000100138	NHP2L1 PPI subnetwork
GO:0048185	activin binding
MP:0000121	failure of tooth eruption
GO:0050892	intestinal absorption
ENSG00000170677	SOCS6 PPI subnetwork
ENSG00000122484	RPAP2 PPI subnetwork
MP:0005215	abnormal pancreatic islet morphology
KEGG_DORSO_VENTRAL_AXIS_FORMATION	KEGG_DORSO_VENTRAL_AXIS_FORMATION
REACTOME_TOLL_RECEPTOR_CASCADES	REACTOME_TOLL_RECEPTOR_CASCADES
GO:0006650	glycerophospholipid metabolic process
ENSG00000125686	MED1 PPI subnetwork
MP:0002774	small prostate gland
GO:0009968	negative regulation of signal transduction
REACTOME_GAP_JUNCTION_ASSEMBLY	REACTOME_GAP_JUNCTION_ASSEMBLY
ENSG00000160999	SH2B2 PPI subnetwork
ENSG00000152661	GJA1 PPI subnetwork
ENSG00000147044	CASK PPI subnetwork
MP:0001666	abnormal intestinal absorption
GO:0001067	regulatory region nucleic acid binding
GO:0000975	regulatory region DNA binding
ENSG00000132382	MYBBP1A PPI subnetwork
ENSG00000161395	PGAP3 PPI subnetwork
ENSG00000125731	SH2D3A PPI subnetwork
GO:0010008	endosome membrane
ENSG00000004975	DVL2 PPI subnetwork
ENSG00000119139	TJP2 PPI subnetwork
MP:0003215	renal interstitial fibrosis
KEGG_ALPHA_LINOLENIC_ACID_METABOLI	KEGG_ALPHA_LINOLENIC_ACID_METABOLISM
ENSG00000100934	SEC23A PPI subnetwork
MP:0005181	decreased circulating estradiol level
ENSG00000132196	HSD17B7 PPI subnetwork
GO:0000242	pericentriolar material
ENSG00000115085	ZAP70 PPI subnetwork
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_	KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM
ENSG00000115170	ACVR1 PPI subnetwork
ENSG00000140795	MYLK3 PPI subnetwork
ENSG00000212908	ENSG00000212908 PPI subnetwork
ENSG00000213416	KRTAP4-12 PPI subnetwork
ENSG00000130810	PPAN PPI subnetwork
ENSG00000100385	IL2RB PPI subnetwork
ENSG00000135218	CD36 PPI subnetwork

MP:0001219	thick epidermis
GO:0044212	transcription regulatory region DNA binding
GO:0005765	lysosomal membrane
MP:0009009	absent estrous cycle
MP:0006387	abnormal T cell number
ENSG00000147507	ENSG00000147507 PPI subnetwork
ENSG00000066933	MYO9A PPI subnetwork
ENSG00000125691	RPL23 PPI subnetwork
GO:0034374	low-density lipoprotein particle remodeling
REACTOME_DEVELOPMENTAL_BIOLOGY	REACTOME_DEVELOPMENTAL_BIOLOGY
MP:0002833	increased heart weight
MP:0001216	abnormal epidermal layer morphology
GO:0005773	vacuole
MP:0011104	partial embryonic lethality before implantation
ENSG00000165119	HNRNPK PPI subnetwork
ENSG00000149968	MMP3 PPI subnetwork
MP:0005449	abnormal food intake
GO:0034097	response to cytokine stimulus
MP:0005221	abnormal rostral-caudal axis patterning
ENSG00000006075	CCL3 PPI subnetwork
ENSG00000165197	FIGF PPI subnetwork
MP:0003231	abnormal placenta vasculature
ENSG00000039068	CDH1 PPI subnetwork
MP:0009789	decreased susceptibility to bacterial infection induced morbidi
REACTOME_INTERLEUKIN:6_SIGNALING	REACTOME_INTERLEUKIN:6_SIGNALING
ENSG00000081985	IL12RB2 PPI subnetwork
MP:0003194	abnormal frequency of paradoxical sleep
ENSG00000135341	MAP3K7 PPI subnetwork
GO:0005793	endoplasmic reticulum-Golgi intermediate compartment
ENSG00000188739	RBM34 PPI subnetwork
ENSG00000212981	ENSG00000212981 PPI subnetwork
MP:0006254	thin cerebral cortex
GO:0004714	transmembrane receptor protein tyrosine kinase activity
ENSG00000123685	BATF3 PPI subnetwork
MP:0009133	decreased white fat cell size
MP:0010763	abnormal hematopoietic stem cell physiology
MP:0001046	abnormal enteric neuron morphology
REACTOME_METAL_ION_SLC_TRANSPORTE	REACTOME_METAL_ION_SLC_TRANSPORTERS
ENSG00000106348	IMPDH1 PPI subnetwork
ENSG00000164330	EBF1 PPI subnetwork
KEGG_NITROGEN_METABOLISM	KEGG_NITROGEN_METABOLISM
KEGG_ECM_RECEPTOR_INTERACTION	KEGG_ECM_RECEPTOR_INTERACTION
MP:0003071	decreased vascular permeability
ENSG00000124145	SDC4 PPI subnetwork
ENSG00000134460	IL2RA PPI subnetwork
ENSG00000103671	TRIP4 PPI subnetwork
ENSG00000096996	IL12RB1 PPI subnetwork
ENSG00000159128	IFNGR2 PPI subnetwork
ENSG00000134954	ETS1 PPI subnetwork
MP:0008699	increased interleukin-4 secretion

ENSG00000178184	PARD6G PPI subnetwork
ENSG00000159113	ENSG00000159113 PPI subnetwork
GO:0010951	negative regulation of endopeptidase activity
ENSG00000137070	IL11RA PPI subnetwork
ENSG00000145623	OSMR PPI subnetwork
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_TERMINA
REACTOME_POST:ELONGATION_PROCESSI	REACTOME_POST:ELONGATION_PROCESSING_OF_THE_TRAN
REACTOME_CLEAVAGE_OF_GROWING_TRA	REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_IN_THE_
GO:0046504	glycerol ether biosynthetic process
ENSG00000205531	NAP1L4 PPI subnetwork
GO:0042562	hormone binding
MP:0000495	abnormal colon morphology
MP:0000062	increased bone mineral density
ENSG00000060339	CCAR1 PPI subnetwork
MP:0009703	decreased birth body size
ENSG00000197122	SRC PPI subnetwork
GO:0000981	sequence-specific DNA binding RNA polymerase II transcriptio
GO:0008757	S-adenosylmethionine-dependent methyltransferase activity
MP:0000157	abnormal sternum morphology
KEGG_PROPANOATE_METABOLISM	KEGG_PROPANOATE_METABOLISM
GO:0016064	immunoglobulin mediated immune response
MP:0000692	small spleen
GO:0006694	steroid biosynthetic process
ENSG00000110324	IL10RA PPI subnetwork
ENSG00000105401	CDC37 PPI subnetwork
ENSG00000107968	MAP3K8 PPI subnetwork
ENSG00000126768	TIMM17B PPI subnetwork
ENSG00000162594	IL23R PPI subnetwork
GO:0007178	transmembrane receptor protein serine/threonine kinase sign
ENSG00000168685	IL7R PPI subnetwork
ENSG00000101161	PRPF6 PPI subnetwork
REACTOME_AMYLOIDS	REACTOME_AMYLOIDS
ENSG00000182866	LCK PPI subnetwork
MP:0001065	abnormal trigeminal nerve morphology
GO:0004896	cytokine receptor activity
ENSG00000198478	SH3BGRL2 PPI subnetwork
ENSG00000165732	DDX21 PPI subnetwork
GO:0019724	B cell mediated immunity
MP:0008475	intermingled spleen red and white pulp
GO:0022600	digestive system process
REACTOME_GROWTH_HORMONE_RECEPT	REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING
GO:0042306	regulation of protein import into nucleus
MP:0005232	abnormal mesenteric lymph node morphology
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
ENSG00000109339	MAPK10 PPI subnetwork
MP:0000107	abnormal frontal bone morphology
GO:0030195	negative regulation of blood coagulation
ENSG00000100393	EP300 PPI subnetwork
GO:0042327	positive regulation of phosphorylation
ENSG00000160285	LSS PPI subnetwork

MP:0001786	skin edema
MP:0000933	abnormal rhombomere morphology
ENSG00000069431	ABCC9 PPI subnetwork
ENSG00000101266	CSNK2A1 PPI subnetwork
MP:0001304	cataracts
ENSG00000180879	SSR4 PPI subnetwork
MP:0002781	increased circulating testosterone level
MP:0002410	decreased susceptibility to viral infection
ENSG00000174444	RPL4 PPI subnetwork
ENSG00000170515	PA2G4 PPI subnetwork
GO:0008285	negative regulation of cell proliferation
MP:0001601	abnormal myelopoiesis
ENSG00000186852	ENSG00000186852 PPI subnetwork
MP:0008395	abnormal osteoblast differentiation
ENSG00000070159	PTPN3 PPI subnetwork
GO:0033002	muscle cell proliferation
ENSG00000091831	ESR1 PPI subnetwork
GO:0045087	innate immune response
MP:0008563	decreased interferon-alpha secretion
GO:0044440	endosomal part
GO:0046982	protein heterodimerization activity
GO:0019432	triglyceride biosynthetic process
ENSG00000138668	HNRNPD PPI subnetwork
GO:0010035	response to inorganic substance
ENSG00000197930	ERO1L PPI subnetwork
MP:0005095	decreased T cell proliferation
GO:0009925	basal plasma membrane
ENSG00000133313	CNDP2 PPI subnetwork
REACTOME_HORMONE:SENSITIVE_LIPASE_	REACTOME_HORMONE:SENSITIVE_LIPASE_HSL:MEDIATED_TR
ENSG00000115641	FHL2 PPI subnetwork
ENSG00000134070	IRAK2 PPI subnetwork
ENSG00000174123	TLR10 PPI subnetwork
MP:0003408	increased width of hypertrophic chondrocyte zone
GO:0006656	phosphatidylcholine biosynthetic process
GO:0051347	positive regulation of transferase activity
REACTOME_CHEMOKINE_RECEPTORS_BINI	REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
ENSG00000177425	PAWR PPI subnetwork
GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
ENSG00000096063	SRPK1 PPI subnetwork
MP:0003632	abnormal nervous system morphology
REACTOME_ZINC_TRANSPORTERS	REACTOME_ZINC_TRANSPORTERS
GO:0016877	ligase activity, forming carbon-sulfur bonds
MP:0001750	increased circulating follicle stimulating hormone level
GO:0005518	collagen binding
ENSG00000120509	PDZD11 PPI subnetwork
ENSG00000132561	MATN2 PPI subnetwork
ENSG00000096717	SIRT1 PPI subnetwork
ENSG00000103522	IL21R PPI subnetwork
ENSG00000164485	IL22RA2 PPI subnetwork
ENSG00000123496	IL13RA2 PPI subnetwork

MP:0008782	increased B cell apoptosis
ENSG00000169976	SF3B5 PPI subnetwork
ENSG00000182359	KBTBD3 PPI subnetwork
ENSG00000131724	IL13RA1 PPI subnetwork
MP:0001685	abnormal endoderm development
MP:0003733	abnormal retinal inner nuclear layer morphology
ENSG00000196396	PTPN1 PPI subnetwork
GO:0045940	positive regulation of steroid metabolic process
ENSG00000147140	NONO PPI subnetwork
ENSG00000100650	SRSF5 PPI subnetwork
GO:0015145	monosaccharide transmembrane transporter activity
ENSG00000086102	NFX1 PPI subnetwork
MP:0001127	small ovary
MP:0002928	abnormal bile duct morphology
MP:0003331	hepatocellular carcinoma
MP:0001891	hydroencephaly
GO:0016614	oxidoreductase activity, acting on CH-OH group of donors
GO:0005275	amine transmembrane transporter activity
GO:0048038	quinone binding
GO:0008207	C21-steroid hormone metabolic process
ENSG00000121858	TNFSF10 PPI subnetwork
KEGG_GLYCOSAMINOGLYCAN_DEGRADATI	KEGG_GLYCOSAMINOGLYCAN_DEGRADATION
MP:0000217	abnormal leukocyte cell number
GO:0030669	clathrin-coated endocytic vesicle membrane
GO:0005791	rough endoplasmic reticulum
ENSG00000157110	RBPMS PPI subnetwork
GO:0040014	regulation of multicellular organism growth
ENSG00000197498	RPF2 PPI subnetwork
GO:0046915	transition metal ion transmembrane transporter activity
ENSG00000109458	GAB1 PPI subnetwork
ENSG00000102882	MAPK3 PPI subnetwork
MP:0002231	abnormal primitive streak morphology
ENSG00000197746	PSAP PPI subnetwork
ENSG00000129354	AP1M2 PPI subnetwork
GO:0004860	protein kinase inhibitor activity
MP:0003402	decreased liver weight
GO:0030867	rough endoplasmic reticulum membrane
MP:0011097	complete embryonic lethality before turning of embryo
MP:0001924	infertility
ENSG00000089157	RPLP0 PPI subnetwork
ENSG00000197111	PCBP2 PPI subnetwork
ENSG00000106070	GRB10 PPI subnetwork
GO:0030162	regulation of proteolysis
GO:0009986	cell surface
ENSG00000101361	NOP56 PPI subnetwork
ENSG00000113140	SPARC PPI subnetwork
MP:0000418	focal hair loss
MP:0002258	abnormal cricoid cartilage morphology
MP:0003935	abnormal craniofacial development
MP:0001745	increased circulating corticosterone level

GO:0055102	lipase inhibitor activity
GO:0046888	negative regulation of hormone secretion
REACTOME_GLYCOSPHINGOLIPID_METABC	REACTOME_GLYCOSPHINGOLIPID_METABOLISM
MP:0008567	decreased interferon-gamma secretion
GO:0035270	endocrine system development
ENSG00000143702	CEP170 PPI subnetwork
ENSG00000137154	RPS6 PPI subnetwork
ENSG00000068323	TFE3 PPI subnetwork
MP:0001845	abnormal inflammatory response
MP:0002633	persistent truncus arteriosis
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_
MP:0010868	increased bone trabecula number
MP:0001433	polyphagia
GO:0017046	peptide hormone binding
GO:0018200	peptidyl-glutamic acid modification
GO:0051918	negative regulation of fibrinolysis
ENSG00000109906	ZBTB16 PPI subnetwork
GO:0008654	phospholipid biosynthetic process
ENSG00000196504	PRPF40A PPI subnetwork
ENSG00000133226	SRRM1 PPI subnetwork
MP:0010825	abnormal lung saccule morphology
ENSG00000168374	ARF4 PPI subnetwork
ENSG00000010244	ZNF207 PPI subnetwork
ENSG00000185436	IL28RA PPI subnetwork
ENSG00000185507	IRF7 PPI subnetwork
ENSG00000003756	RBM5 PPI subnetwork
GO:0002250	adaptive immune response
ENSG00000141076	CIRH1A PPI subnetwork
MP:0002059	abnormal seminal vesicle morphology
ENSG00000136045	PWP1 PPI subnetwork
MP:0006413	increased T cell apoptosis
REACTOME_APOPTOTIC_EXECUTION__PHA	REACTOME_APOPTOTIC_EXECUTION__PHASE
ENSG00000142208	AKT1 PPI subnetwork
ENSG00000185291	IL3RA PPI subnetwork
ENSG00000077942	FBLN1 PPI subnetwork
GO:0006635	fatty acid beta-oxidation
GO:0050820	positive regulation of coagulation
ENSG00000148296	SURF6 PPI subnetwork
MP:0002746	abnormal semilunar valve morphology
ENSG00000100726	TELO2 PPI subnetwork
GO:0048863	stem cell differentiation
ENSG00000105640	RPL18A PPI subnetwork
ENSG00000182636	NDN PPI subnetwork
REACTOME_METABOLISM_OF_PROTEINS	REACTOME_METABOLISM_OF_PROTEINS
ENSG00000105397	TYK2 PPI subnetwork
ENSG00000070756	PABPC1 PPI subnetwork
GO:0002460	adaptive immune response based on somatic recombination c
ENSG00000167657	DAPK3 PPI subnetwork
ENSG00000104824	HNRNPL PPI subnetwork
MP:0004837	abnormal neural fold formation

ENSG00000176105	YES1 PPI subnetwork
ENSG00000165516	KLHDC2 PPI subnetwork
ENSG00000124789	NUP153 PPI subnetwork
ENSG00000134470	IL15RA PPI subnetwork
GO:0005243	gap junction channel activity
GO:0044448	cell cortex part
GO:0005740	mitochondrial envelope
ENSG00000183684	ALYREF PPI subnetwork
MP:0004042	decreased susceptibility to kidney reperfusion injury
MP:0000462	abnormal digestive system morphology
ENSG00000111786	SRSF9 PPI subnetwork
MP:0003141	cardiac fibrosis
ENSG00000077150	NFKB2 PPI subnetwork
ENSG00000112081	SRSF3 PPI subnetwork
ENSG00000171223	JUNB PPI subnetwork
GO:0001501	skeletal system development
ENSG00000144642	RBMS3 PPI subnetwork
GO:0045937	positive regulation of phosphate metabolic process
GO:0010562	positive regulation of phosphorus metabolic process
ENSG00000159110	IFNAR2 PPI subnetwork
ENSG00000198734	F5 PPI subnetwork
ENSG00000214485	ENSG00000214485 PPI subnetwork
MP:0001302	eyelids open at birth
ENSG00000105610	KLF1 PPI subnetwork
GO:0042605	peptide antigen binding
MP:0000141	abnormal vertebral body morphology
GO:0046128	purine ribonucleoside metabolic process
MP:0002816	colitis
ENSG00000170653	ATF7 PPI subnetwork
ENSG00000069399	BCL3 PPI subnetwork
ENSG00000185518	SV2B PPI subnetwork
REACTOME_AMINO_ACID_TRANSPORT_AC	REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE_PLASM
ENSG00000137218	FRS3 PPI subnetwork
ENSG00000142166	IFNAR1 PPI subnetwork
MP:0000278	abnormal myocardial fiber morphology
MP:0002957	intestinal adenocarcinoma
ENSG00000170632	ARMC10 PPI subnetwork
MP:0008584	photoreceptor outer segment degeneration
GO:0016052	carbohydrate catabolic process
GO:0051047	positive regulation of secretion
ENSG00000106799	TGFBR1 PPI subnetwork
ENSG00000089737	DDX24 PPI subnetwork
MP:0011110	partial preweaning lethality
ENSG00000100852	ARHGAP5 PPI subnetwork
KEGG_GLYCOLYSIS_GLUCONEOGENESIS	KEGG_GLYCOLYSIS_GLUCONEOGENESIS
GO:0048534	hemopoietic or lymphoid organ development
MP:0004016	decreased bone mass
KEGG_PORPHYRIN_AND_CHLOROPHYLL_M	KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM
GO:0016641	oxidoreductase activity, acting on the CH-NH2 group of donors
MP:0001211	wrinkled skin

GO:0008652	cellular amino acid biosynthetic process
ENSG00000184787	UBE2G2 PPI subnetwork
REACTOME_INTERLEUKIN:1_SIGNALING	REACTOME_INTERLEUKIN:1_SIGNALING
ENSG00000013441	CLK1 PPI subnetwork
ENSG00000141456	ENSG00000141456 PPI subnetwork
ENSG00000110492	MDK PPI subnetwork
ENSG00000175592	FOSL1 PPI subnetwork
ENSG00000120708	TGFBI PPI subnetwork
GO:0042158	lipoprotein biosynthetic process
MP:0011096	complete embryonic lethality before somite formation
ENSG00000011465	DCN PPI subnetwork
ENSG00000121966	CXCR4 PPI subnetwork
KEGG_THYROID_CANCER	KEGG_THYROID_CANCER
ENSG00000131876	SNRPA1 PPI subnetwork
ENSG00000124334	IL9R PPI subnetwork
GO:0014070	response to organic cyclic compound
ENSG00000044574	HSPA5 PPI subnetwork
GO:0019835	cytolysis
MP:0004615	cervical vertebral transformation
ENSG00000088035	ALG6 PPI subnetwork
ENSG00000128708	HAT1 PPI subnetwork
MP:0004358	bowed tibia
ENSG00000133027	PEMT PPI subnetwork
MP:0002417	abnormal megakaryocyte morphology
ENSG00000177733	HNRNPA0 PPI subnetwork
GO:0019897	extrinsic to plasma membrane
ENSG00000100836	PABPN1 PPI subnetwork
MP:0000223	decreased monocyte cell number
ENSG00000081052	COL4A4 PPI subnetwork
MP:0000556	abnormal hindlimb morphology
ENSG00000175536	LIPT2 PPI subnetwork
ENSG00000072778	ACADVL PPI subnetwork
ENSG00000126698	DNAJC8 PPI subnetwork
ENSG00000057294	PKP2 PPI subnetwork
ENSG00000141101	NOB1 PPI subnetwork
ENSG00000142677	IL22RA1 PPI subnetwork
REACTOME_GPCR_LIGAND_BINDING	REACTOME_GPCR_LIGAND_BINDING
GO:0071219	cellular response to molecule of bacterial origin
GO:0006544	glycine metabolic process
GO:0050731	positive regulation of peptidyl-tyrosine phosphorylation
GO:0051184	cofactor transporter activity
GO:0071496	cellular response to external stimulus
ENSG00000082805	ERC1 PPI subnetwork
GO:0008237	metallopeptidase activity
ENSG00000196498	NCOR2 PPI subnetwork
GO:0008083	growth factor activity
ENSG00000164244	PRRC1 PPI subnetwork
MP:0000069	kyphoscoliosis
ENSG00000100714	MTHFD1 PPI subnetwork
ENSG00000119812	FAM98A PPI subnetwork

KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_P	KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
MP:0001402	hypoactivity
ENSG00000175084	DES PPI subnetwork
ENSG00000099960	SLC7A4 PPI subnetwork
ENSG00000013293	SLC7A14 PPI subnetwork
MP:0002792	abnormal retinal vasculature morphology
MP:0001289	persistence of hyaloid vascular system
MP:0005087	decreased acute inflammation
MP:0003068	enlarged kidney
GO:0005778	peroxisomal membrane
GO:0031903	microbody membrane
ENSG00000107186	MPDZ PPI subnetwork
GO:0042737	drug catabolic process
MP:0001944	abnormal pancreas morphology
MP:0002493	increased IgG level
ENSG00000143850	PLEKHA6 PPI subnetwork
GO:0060429	epithelium development
GO:0009072	aromatic amino acid family metabolic process
MP:0008181	increased marginal zone B cell number
GO:0046474	glycerophospholipid biosynthetic process
ENSG00000116350	SRSF4 PPI subnetwork
MP:0005358	abnormal incisor morphology
ENSG00000013455	ENSG00000013455 PPI subnetwork
ENSG00000005884	ITGA3 PPI subnetwork
GO:0009880	embryonic pattern specification
GO:0033119	negative regulation of RNA splicing
GO:0019748	secondary metabolic process
GO:0009982	pseudouridine synthase activity
MP:0002168	other aberrant phenotype
ENSG00000139197	PEX5 PPI subnetwork
MP:0000135	decreased compact bone thickness
ENSG00000108175	ZMIZ1 PPI subnetwork
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRON:CONTAINING_
MP:0002497	increased IgE level
ENSG00000126767	ELK1 PPI subnetwork
GO:0051004	regulation of lipoprotein lipase activity
GO:0043410	positive regulation of MAPK cascade
ENSG00000154016	GRAP PPI subnetwork
GO:0043687	post-translational protein modification
GO:0006090	pyruvate metabolic process
ENSG00000165630	PRPF18 PPI subnetwork
ENSG00000016402	IL20RA PPI subnetwork
ENSG00000189403	HMGB1 PPI subnetwork
ENSG00000104897	SF3A2 PPI subnetwork
GO:0031347	regulation of defense response
ENSG00000131795	RBM8A PPI subnetwork
MP:0002144	abnormal B cell differentiation
MP:0002754	dilated heart right ventricle
REACTOME_GAB1_SIGNALOSOME	REACTOME_GAB1_SIGNALOSOME
ENSG00000170962	PDGFD PPI subnetwork

ENSG00000145431	PDGFC PPI subnetwork
MP:0011085	complete postnatal lethality
ENSG00000124193	SRSF6 PPI subnetwork
MP:0008470	abnormal spleen B cell follicle morphology
GO:0033549	MAP kinase phosphatase activity
GO:0015909	long-chain fatty acid transport
ENSG00000101213	PTK6 PPI subnetwork
GO:0003729	mRNA binding
GO:0045926	negative regulation of growth
MP:0003354	astrocytosis
MP:0005026	decreased susceptibility to parasitic infection
GO:0033762	response to glucagon stimulus
MP:0003453	abnormal keratinocyte physiology
ENSG00000100410	PHF5A PPI subnetwork
ENSG00000180185	FAHD1 PPI subnetwork
GO:0019239	deaminase activity
GO:0006805	xenobiotic metabolic process
ENSG00000108561	C1QBP PPI subnetwork
ENSG00000101255	TRIB3 PPI subnetwork
MP:0001575	cyanosis
ENSG00000115128	ENSG00000115128 PPI subnetwork
GO:0051707	response to other organism
ENSG00000049246	PER3 PPI subnetwork
ENSG00000072849	DERL2 PPI subnetwork
MP:0005154	increased B cell proliferation
MP:0003645	increased pancreatic beta cell number
ENSG00000123159	GIPC1 PPI subnetwork
KEGG_SPHINGOLIPID_METABOLISM	KEGG_SPHINGOLIPID_METABOLISM
GO:0048659	smooth muscle cell proliferation
MP:0003419	delayed endochondral bone ossification
MP:0008075	decreased CD4-positive T cell number
GO:0060428	lung epithelium development
MP:0002362	abnormal spleen marginal zone morphology
ENSG00000130638	ATXN10 PPI subnetwork
GO:0000030	mannosyltransferase activity
ENSG00000072952	MRVI1 PPI subnetwork
GO:0009410	response to xenobiotic stimulus
GO:0071466	cellular response to xenobiotic stimulus
ENSG00000131238	PPT1 PPI subnetwork
MP:0001212	skin lesions
ENSG00000174231	PRPF8 PPI subnetwork
GO:0006482	protein demethylation
GO:0008214	protein dealkylation
GO:0046889	positive regulation of lipid biosynthetic process
MP:0008566	increased interferon-gamma secretion
MP:0000343	altered response to myocardial infarction
MP:0000060	delayed bone ossification
GO:0016616	oxidoreductase activity, acting on the CH-OH group of donors,
REACTOME_MRNA_SPLICING	REACTOME_MRNA_SPLICING
REACTOME_MRNA_SPLICING_:_MAJOR_PA	REACTOME_MRNA_SPLICING_:_MAJOR_PATHWAY

REACTOME_SIGNALING_BY_ERBB4	REACTOME_SIGNALING_BY_ERBB4
GO:0015144	carbohydrate transmembrane transporter activity
ENSG00000110651	CD81 PPI subnetwork
REACTOME_SIGNAL_REGULATORY_PROTEI	REACTOME_SIGNAL_REGULATORY_PROTEIN_SIRP_FAMILY_IN
ENSG00000001630	CYP51A1 PPI subnetwork
MP:0004154	renal tubular necrosis
MP:0005017	decreased B cell number
MP:0001195	flaky skin
ENSG00000163938	GNL3 PPI subnetwork
GO:0001817	regulation of cytokine production
GO:0031401	positive regulation of protein modification process
MP:0005562	decreased mean corpuscular hemoglobin
ENSG00000099783	HNRNPM PPI subnetwork
ENSG00000122641	INHBA PPI subnetwork
MP:0002730	head shaking
GO:0045334	clathrin-coated endocytic vesicle
ENSG00000107263	RAPGEF1 PPI subnetwork
ENSG00000164329	PAPD4 PPI subnetwork
GO:0007350	blastoderm segmentation
GO:0051345	positive regulation of hydrolase activity
ENSG00000136352	NKX2-1 PPI subnetwork
MP:0001967	deafness
GO:0000792	heterochromatin
GO:0016866	intramolecular transferase activity
GO:0031966	mitochondrial membrane
MP:0008078	increased CD8-positive T cell number
GO:0033189	response to vitamin A
GO:0006699	bile acid biosynthetic process
ENSG00000179950	PUF60 PPI subnetwork
GO:0090092	regulation of transmembrane receptor protein serine/threoni
MP:0004423	abnormal squamosal bone morphology
ENSG00000172288	CDY1 PPI subnetwork
ENSG00000172352	CDY1B PPI subnetwork
REACTOME_PYRUVATE_METABOLISM	REACTOME_PYRUVATE_METABOLISM
GO:0031227	intrinsic to endoplasmic reticulum membrane
ENSG00000082641	NFE2L1 PPI subnetwork
GO:0032102	negative regulation of response to external stimulus
MP:0000565	oligodactyly
REACTOME_DEFENSINS	REACTOME_DEFENSINS
MP:0002825	abnormal notochord morphology
GO:0031123	RNA 3'-end processing
MP:0002682	decreased mature ovarian follicle number
MP:0003564	abnormal insulin secretion
ENSG00000061987	MON2 PPI subnetwork
MP:0005164	abnormal response to injury
GO:0002274	myeloid leukocyte activation
ENSG00000186716	BCR PPI subnetwork
ENSG00000158092	NCK1 PPI subnetwork
MP:0008965	increased basal metabolism
GO:0031018	endocrine pancreas development

ENSG00000087266	SH3BP2 PPI subnetwork
MP:0008482	decreased spleen germinal center number
ENSG00000171793	CTPS PPI subnetwork
GO:0010743	regulation of macrophage derived foam cell differentiation
ENSG00000132361	KIAA0664 PPI subnetwork
MP:0001501	abnormal sleep pattern
ENSG00000073792	IGF2BP2 PPI subnetwork
ENSG00000072832	CRMP1 PPI subnetwork
GO:0015026	coreceptor activity
MP:0008082	increased single-positive T cell number
GO:0032964	collagen biosynthetic process
REACTOME_PYRUVATE_METABOLISM_ANI	REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TC/
REACTOME_CLASS_A1_RHODOPSIN:LIKE_R	REACTOME_CLASS_A1_RHODOPSIN:LIKE_RECEPTORS
MP:0001805	decreased IgG level
GO:0010742	macrophage derived foam cell differentiation
GO:0090077	foam cell differentiation
REACTOME_TRAF3:DEPENDENT_IRF_ACTIV	REACTOME_TRAF3:DEPENDENT_IRF_ACTIVATION_PATHWAY
ENSG00000135862	LAMC1 PPI subnetwork
MP:0010024	increased total body fat amount
ENSG00000162191	UBXN1 PPI subnetwork
KEGG_VEGF_SIGNALING_PATHWAY	KEGG_VEGF_SIGNALING_PATHWAY
MP:0002871	albuminuria
REACTOME_AMINO_ACID_SYNTHESIS_AND	REACTOME_AMINO_ACID_SYNTHESIS_AND_INTERCONVERSIC
MP:0002114	abnormal axial skeleton morphology
ENSG00000161057	PSMC2 PPI subnetwork
ENSG00000179335	CLK3 PPI subnetwork
MP:0011348	abnormal renal glomerulus basement membrane morphology
ENSG00000106123	EPHB6 PPI subnetwork
MP:0001364	decreased anxiety-related response
GO:0032637	interleukin-8 production
GO:0051186	cofactor metabolic process
ENSG00000085117	CD82 PPI subnetwork
ENSG00000173757	STAT5B PPI subnetwork
REACTOME_INCRETIN_SYNTHESIS_SECRETI	REACTOME_INCRETIN_SYNTHESIS_SECRETION_AND_INACTIV/
MP:0011093	complete embryonic lethality at implantation
ENSG00000103502	CDIPT PPI subnetwork
MP:0008565	decreased interferon-beta secretion
GO:0000302	response to reactive oxygen species
MP:0006030	abnormal otic vesicle development
GO:0051019	mitogen-activated protein kinase binding
ENSG00000100368	CSF2RB PPI subnetwork
ENSG00000117020	AKT3 PPI subnetwork
ENSG00000174720	LARP7 PPI subnetwork
KEGG_PENTOSE_AND_GLUCURONATE_INTI	KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS
GO:0030155	regulation of cell adhesion
GO:0050839	cell adhesion molecule binding
MP:0003890	abnormal embryonic-extraembryonic boundary morphology
MP:0001293	anophthalmia
ENSG00000115875	SRSF7 PPI subnetwork
GO:0019843	rRNA binding

GO:0016903	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000006062	MAP3K14 PPI subnetwork
ENSG00000145604	SKP2 PPI subnetwork
KEGG_FRUCTOSE_AND_MANNOSE_METAB	KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM
KEGG_PHENYLALANINE_METABOLISM	KEGG_PHENYLALANINE_METABOLISM
MP:0000717	abnormal lymphocyte cell number
KEGG_CHRONIC_MYELOID_LEUKEMIA	KEGG_CHRONIC_MYELOID_LEUKEMIA
ENSG00000134363	FST PPI subnetwork
MP:0000079	abnormal basioccipital bone morphology
ENSG00000198824	CHAMP1 PPI subnetwork
MP:0004771	increased anti-single stranded DNA antibody level
MP:0010124	decreased bone mineral content
MP:0008661	decreased interleukin-10 secretion
ENSG00000105647	PIK3R2 PPI subnetwork
REACTOME_SEMA3A_PAK_DEPENDENT_AX	REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION
ENSG00000170759	KIF5B PPI subnetwork
ENSG00000130522	JUND PPI subnetwork
ENSG00000105245	NUMBL PPI subnetwork
GO:0030097	hemopoiesis
GO:0044420	extracellular matrix part
ENSG00000198911	SREBF2 PPI subnetwork
ENSG00000163083	INHBB PPI subnetwork
GO:0007179	transforming growth factor beta receptor signaling pathway
ENSG00000148334	PTGES2 PPI subnetwork
MP:0000270	abnormal heart tube morphology
GO:0019866	organelle inner membrane
GO:0019865	immunoglobulin binding
MP:0004599	abnormal vertebral arch morphology
ENSG00000077235	GTF3C1 PPI subnetwork
MP:0002494	increased IgM level
ENSG00000196611	MMP1 PPI subnetwork
MP:0001071	abnormal facial nerve morphology
GO:0006909	phagocytosis
MP:0003149	abnormal tectorial membrane morphology
GO:0031331	positive regulation of cellular catabolic process
REACTOME_GABA_SYNTHESIS_RELEASE_RE	REACTOME_GABA_SYNTHESIS_RELEASE_REUPTAKE_AND_DEC
GO:0016918	retinal binding
ENSG00000089280	FUS PPI subnetwork
ENSG00000115590	IL1R2 PPI subnetwork
ENSG00000100364	KIAA0930 PPI subnetwork
ENSG00000159692	CTBP1 PPI subnetwork
REACTOME_MRNA_PROCESSING	REACTOME_MRNA_PROCESSING
ENSG00000144061	NPHP1 PPI subnetwork
ENSG00000164985	PSIP1 PPI subnetwork
GO:0010038	response to metal ion
ENSG00000108296	CWC25 PPI subnetwork
MP:0000245	abnormal erythropoiesis
MP:0001683	absent mesoderm
ENSG00000125676	THOC2 PPI subnetwork
ENSG00000197321	SVIL PPI subnetwork

MP:0001954	respiratory distress
MP:0001152	Leydig cell hyperplasia
ENSG00000072694	FCGR2B PPI subnetwork
ENSG00000100926	TM9SF1 PPI subnetwork
ENSG00000212695	ENSG00000212695 PPI subnetwork
GO:0016831	carboxy-lyase activity
GO:0060348	bone development
ENSG00000176102	CSTF3 PPI subnetwork
MP:0009339	decreased splenocyte number
MP:0003048	abnormal cervical vertebrae morphology
MP:0002075	abnormal coat/hair pigmentation
GO:0090100	positive regulation of transmembrane receptor protein serine,
ENSG00000144648	CCBP2 PPI subnetwork
ENSG00000027697	IFNGR1 PPI subnetwork
ENSG00000138771	SHROOM3 PPI subnetwork
GO:0032386	regulation of intracellular transport
ENSG00000196415	PRTN3 PPI subnetwork
MP:0003560	osteoarthritis
GO:0006541	glutamine metabolic process
GO:0015645	fatty acid ligase activity
ENSG00000108528	SLC25A11 PPI subnetwork
ENSG00000171241	SHCBP1 PPI subnetwork
MP:0008143	abnormal dendrite morphology
ENSG00000184779	RPS17 PPI subnetwork
ENSG00000182774	RPS17L PPI subnetwork
ENSG00000182093	WRB PPI subnetwork
MP:0001633	poor circulation
GO:0003785	actin monomer binding
ENSG00000104177	MYEF2 PPI subnetwork
MP:0000030	abnormal tympanic ring morphology
GO:0006024	glycosaminoglycan biosynthetic process
ENSG00000167004	PDIA3 PPI subnetwork
ENSG00000112290	WASF1 PPI subnetwork
GO:0007260	tyrosine phosphorylation of STAT protein
GO:0002697	regulation of immune effector process
GO:0016757	transferase activity, transferring glycosyl groups
GO:0051287	NAD binding
GO:0044403	symbiosis, encompassing mutualism through parasitism
MP:0002233	abnormal nose morphology
ENSG00000105204	DYRK1B PPI subnetwork
ENSG00000011304	PTBP1 PPI subnetwork
GO:0030728	ovulation
ENSG00000118495	PLAGL1 PPI subnetwork
MP:0009764	decreased sensitivity to induced morbidity/mortality
ENSG00000163486	SRGAP2 PPI subnetwork
GO:0050819	negative regulation of coagulation
ENSG00000002745	WNT16 PPI subnetwork
ENSG00000103994	ZFP106 PPI subnetwork
ENSG00000144028	SNRNP200 PPI subnetwork
MP:0001696	failure to gastrulate

ENSG00000183305	MAGEA2B PPI subnetwork
MP:0001675	abnormal ectoderm development
GO:0050776	regulation of immune response
ENSG00000175793	SFN PPI subnetwork
ENSG00000164751	PEX2 PPI subnetwork
GO:0046883	regulation of hormone secretion
ENSG00000033800	PIAS1 PPI subnetwork
GO:0001503	ossification
MP:0006043	decreased apoptosis
GO:0005743	mitochondrial inner membrane
ENSG00000111605	CPSF6 PPI subnetwork
ENSG00000064999	ANKS1A PPI subnetwork
GO:0016741	transferase activity, transferring one-carbon groups
GO:0071383	cellular response to steroid hormone stimulus
ENSG00000163956	LRPAP1 PPI subnetwork
ENSG00000164867	NOS3 PPI subnetwork
MP:0003853	dry skin
MP:0008533	abnormal anterior visceral endoderm morphology
ENSG00000138592	USP8 PPI subnetwork
GO:0009914	hormone transport
GO:0072378	blood coagulation, fibrin clot formation
ENSG00000136731	UGGT1 PPI subnetwork
ENSG00000122566	HNRNPA2B1 PPI subnetwork
MP:0002705	dilated renal tubules
ENSG00000170421	KRT8 PPI subnetwork
GO:0017017	MAP kinase tyrosine/serine/threonine phosphatase activity
ENSG00000091409	ITGA6 PPI subnetwork
MP:0005269	abnormal occipital bone morphology
MP:0001303	abnormal lens morphology
ENSG00000110799	VWF PPI subnetwork
ENSG00000141434	MEP1B PPI subnetwork
MP:0003797	abnormal compact bone morphology
ENSG00000149257	SERPINH1 PPI subnetwork
GO:0048871	multicellular organismal homeostasis
ENSG00000142156	COL6A1 PPI subnetwork
GO:0003705	RNA polymerase II distal enhancer sequence-specific DNA binc
GO:0002443	leukocyte mediated immunity
ENSG00000160220	ENSG00000160220 PPI subnetwork
ENSG00000141968	VAV1 PPI subnetwork
ENSG00000147403	RPL10 PPI subnetwork
ENSG00000112715	VEGFA PPI subnetwork
MP:0008102	lymph node hyperplasia
ENSG00000095380	NANS PPI subnetwork
GO:0043395	heparan sulfate proteoglycan binding
MP:0002831	absent Peyer's patches
MP:0002882	abnormal neuron morphology
MP:0002950	abnormal neural crest cell migration
ENSG00000115761	NOL10 PPI subnetwork
ENSG00000131759	RARA PPI subnetwork
MP:0008071	absent B cells

MP:0009866	abnormal aorta wall morphology
ENSG00000108256	NUFIP2 PPI subnetwork
ENSG00000033327	GAB2 PPI subnetwork
GO:0016577	histone demethylation
ENSG00000111859	NEDD9 PPI subnetwork
GO:0002253	activation of immune response
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULI
REACTOME_PEPTIDE_HORMONE_BIOSYNTI	REACTOME_PEPTIDE_HORMONE_BIOSYNTHESIS
ENSG00000102878	HSF4 PPI subnetwork
REACTOME_TAT:MEDIATED_HIV:1_ELONG/	REACTOME_TAT:MEDIATED_HIV:1_ELONGATION_ARREST_AN
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_TAT:MEDIATED_H
ENSG00000100784	RPS6KA5 PPI subnetwork
ENSG00000142867	BCL10 PPI subnetwork
MP:0008947	increased neuron number
MP:0000435	shortened head
GO:0051348	negative regulation of transferase activity
MP:0000416	sparse hair
MP:0004905	decreased uterus weight
MP:0002835	abnormal cranial suture morphology
ENSG00000130147	SH3BP4 PPI subnetwork
MP:0001182	lung hemorrhage
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION__PF
GO:0048660	regulation of smooth muscle cell proliferation
MP:0002893	ketoaciduria
MP:0001721	absent visceral yolk sac blood islands
ENSG00000078747	ITCH PPI subnetwork
MP:0002932	abnormal joint morphology
ENSG00000187899	ENSG00000187899 PPI subnetwork
GO:0035257	nuclear hormone receptor binding
GO:0048638	regulation of developmental growth
MP:0008499	increased IgG1 level
MP:0001077	abnormal spinal nerve morphology
MP:0004214	abnormal long bone diaphysis morphology
GO:0030902	hindbrain development
GO:0050829	defense response to Gram-negative bacterium
MP:0009400	decreased skeletal muscle fiber size
ENSG00000101138	CSTF1 PPI subnetwork
REACTOME_CLASS_B2_SECRETIN_FAMILY_	REACTOME_CLASS_B2_SECRETIN_FAMILY_RECEPTORS
ENSG00000099194	SCD PPI subnetwork
GO:0015721	bile acid and bile salt transport
ENSG00000213024	NUP62 PPI subnetwork
GO:0005921	gap junction
ENSG00000163191	S100A11 PPI subnetwork
ENSG00000125485	DDX31 PPI subnetwork
ENSG00000112559	MDFI PPI subnetwork
ENSG00000010610	CD4 PPI subnetwork
MP:0008174	decreased follicular B cell number
GO:0006720	isoprenoid metabolic process
ENSG00000071127	WDR1 PPI subnetwork
MP:0005089	decreased double-negative T cell number

MP:0004620	cervical vertebral fusion
ENSG00000146648	EGFR PPI subnetwork
ENSG00000061273	HDAC7 PPI subnetwork
ENSG00000114739	ACVR2B PPI subnetwork
GO:0016620	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000029725	RABEP1 PPI subnetwork
ENSG00000052749	RRP12 PPI subnetwork
MP:0001676	abnormal apical ectodermal ridge morphology
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHES	KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_KERATAN_SULF
GO:0045321	leukocyte activation
ENSG00000198062	POTEH PPI subnetwork
KEGG_PROSTATE_CANCER	KEGG_PROSTATE_CANCER
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
ENSG00000132170	PPARG PPI subnetwork
GO:0006732	coenzyme metabolic process
ENSG00000136875	PRPF4 PPI subnetwork
GO:0004181	metallocarboxypeptidase activity
GO:0015179	L-amino acid transmembrane transporter activity
ENSG00000132356	PRKAA1 PPI subnetwork
ENSG00000120948	TARDBP PPI subnetwork
GO:0030139	endocytic vesicle
MP:0005028	abnormal trophectoderm morphology
GO:0010608	posttranscriptional regulation of gene expression
MP:0011346	renal tubule atrophy
ENSG00000117500	TMED5 PPI subnetwork
ENSG00000147082	CCNB3 PPI subnetwork
GO:0033674	positive regulation of kinase activity
ENSG00000052802	MSMO1 PPI subnetwork
MP:0002759	abnormal caudal vertebrae morphology
ENSG00000168884	TNIP2 PPI subnetwork
ENSG00000136937	NCBP1 PPI subnetwork
ENSG00000105993	DNAJB6 PPI subnetwork
MP:0002432	abnormal CD4-positive T cell morphology
ENSG00000169045	HNRNPH1 PPI subnetwork
GO:0044437	vacuolar part
ENSG00000105705	SUGP1 PPI subnetwork
MP:0003799	impaired macrophage chemotaxis
KEGG_STEROID_BIOSYNTHESIS	KEGG_STEROID_BIOSYNTHESIS
MP:0003058	increased insulin secretion
ENSG00000124587	PEX6 PPI subnetwork
ENSG00000144381	HSPD1 PPI subnetwork
GO:0005916	fascia adherens
ENSG00000161547	SRSF2 PPI subnetwork
GO:0016049	cell growth
ENSG00000067048	DDX3Y PPI subnetwork
ENSG00000100353	EIF3D PPI subnetwork
ENSG00000163558	PRKCI PPI subnetwork
GO:0022829	wide pore channel activity
ENSG00000173145	NOC3L PPI subnetwork
GO:0003823	antigen binding

ENSG00000152455	SUV39H2 PPI subnetwork
MP:0003627	abnormal leukocyte tethering or rolling
MP:0001596	hypotension
ENSG00000131236	CAP1 PPI subnetwork
MP:0000049	abnormal middle ear morphology
ENSG00000099250	NRP1 PPI subnetwork
ENSG00000140575	IQGAP1 PPI subnetwork
GO:0042092	type 2 immune response
MP:0006055	abnormal vascular endothelial cell morphology
ENSG00000136869	TLR4 PPI subnetwork
MP:0005597	decreased susceptibility to type I hypersensitivity reaction
MP:0002090	abnormal vision
ENSG00000111725	PRKAB1 PPI subnetwork
GO:0060053	neurofilament cytoskeleton
ENSG00000110321	EIF4G2 PPI subnetwork
ENSG00000150768	DLAT PPI subnetwork
ENSG00000165916	PSMC3 PPI subnetwork
GO:0010885	regulation of cholesterol storage
GO:0009309	amine biosynthetic process
ENSG00000112249	ASCC3 PPI subnetwork
REACTOME_SIGNALING_BY_TGF_BETA	REACTOME_SIGNALING_BY_TGF_BETA
ENSG00000139083	ETV6 PPI subnetwork
ENSG00000116030	SUMO1 PPI subnetwork
ENSG00000125352	RNF113A PPI subnetwork
ENSG00000197586	ENTPD6 PPI subnetwork
MP:0008026	abnormal brain white matter morphology
GO:0000187	activation of MAPK activity
GO:0004745	retinol dehydrogenase activity
GO:0045444	fat cell differentiation
GO:0030131	clathrin adaptor complex
GO:0031301	integral to organelle membrane
ENSG00000174996	KLC2 PPI subnetwork
MP:0001243	abnormal dermal layer morphology
MP:0002460	decreased immunoglobulin level
ENSG00000160916	ENSG00000160916 PPI subnetwork
ENSG00000086189	DIMT1 PPI subnetwork
ENSG00000075856	SART3 PPI subnetwork
GO:0019903	protein phosphatase binding
ENSG00000196419	XRCC6 PPI subnetwork
MP:0001194	dermatitis
REACTOME_ACTIVATED_TLR4_SIGNALLING	REACTOME_ACTIVATED_TLR4_SIGNALLING
MP:0002116	abnormal craniofacial bone morphology
GO:0005326	neurotransmitter transporter activity
KEGG_PROTEIN_EXPORT	KEGG_PROTEIN_EXPORT
ENSG00000137767	SQRDL PPI subnetwork
MP:0008586	disorganized photoreceptor outer segment
REACTOME_SHC:MEDIATED_CASCADE	REACTOME_SHC:MEDIATED_CASCADE
GO:0032432	actin filament bundle
ENSG00000136068	FLNB PPI subnetwork
ENSG00000169682	SPNS1 PPI subnetwork

GO:0043574	peroxisomal transport
ENSG00000186468	RPS23 PPI subnetwork
ENSG00000014641	MDH1 PPI subnetwork
ENSG00000186831	ENSG00000186831 PPI subnetwork
MP:0000297	abnormal atrioventricular cushion morphology
MP:0003721	increased tumor growth/size
ENSG00000130340	SNX9 PPI subnetwork
MP:0008044	increased NK cell number
MP:0005348	increased T cell proliferation
ENSG00000132424	PNISR PPI subnetwork
REACTOME_SIGNALING_BY_FGFR	REACTOME_SIGNALING_BY_FGFR
ENSG00000203283	ENSG00000203283 PPI subnetwork
ENSG00000161570	CCL5 PPI subnetwork
MP:0005172	reduced eye pigmentation
ENSG00000180871	CXCR2 PPI subnetwork
GO:0001570	vasculogenesis
ENSG00000105287	PRKD2 PPI subnetwork
ENSG00000188986	COBRA1 PPI subnetwork
ENSG00000085662	AKR1B1 PPI subnetwork
ENSG00000115241	PPM1G PPI subnetwork
ENSG00000134001	EIF2S1 PPI subnetwork
GO:0004709	MAP kinase kinase kinase activity
ENSG00000204590	GNL1 PPI subnetwork
ENSG00000206412	GNL1 PPI subnetwork
ENSG00000206492	GNL1 PPI subnetwork
MP:0002152	abnormal brain morphology
ENSG00000182498	ENSG00000182498 PPI subnetwork
ENSG00000096150	RPS18 PPI subnetwork
ENSG00000206212	ENSG00000206212 PPI subnetwork
ENSG00000112992	NNT PPI subnetwork
ENSG00000128829	EIF2AK4 PPI subnetwork
MP:0004787	abnormal dorsal aorta morphology
ENSG00000069345	DNAJA2 PPI subnetwork
MP:0000372	irregular coat pigmentation
ENSG00000011260	UTP18 PPI subnetwork
ENSG00000136573	BLK PPI subnetwork
ENSG00000101665	SMAD7 PPI subnetwork
GO:0044275	cellular carbohydrate catabolic process
GO:0042278	purine nucleoside metabolic process
ENSG00000088205	DDX18 PPI subnetwork
GO:0061138	morphogenesis of a branching epithelium
GO:0000165	MAPK cascade
ENSG00000115816	CEBPZ PPI subnetwork
ENSG00000083520	DIS3 PPI subnetwork
ENSG00000148498	PARD3 PPI subnetwork
ENSG00000164077	MON1A PPI subnetwork
ENSG00000164346	NSA2 PPI subnetwork
ENSG00000152518	ZFP36L2 PPI subnetwork
GO:0008217	regulation of blood pressure
ENSG00000023191	RNH1 PPI subnetwork

ENSG00000111348	ARHGDIB PPI subnetwork
MP:0002064	seizures
ENSG00000117133	RPF1 PPI subnetwork
GO:0006023	aminoglycan biosynthetic process
GO:0001533	cornified envelope
ENSG00000125868	DSTN PPI subnetwork
ENSG00000122406	RPL5 PPI subnetwork
ENSG00000006715	VPS41 PPI subnetwork
REACTOME_ELONGATION_ARREST_AND_R	REACTOME_ELONGATION_ARREST_AND_RECOVERY
REACTOME_HIV:1_ELONGATION_ARREST_A	REACTOME_HIV:1_ELONGATION_ARREST_AND_RECOVERY
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_ELONGATION
REACTOME_PAUSING_AND_RECOVERY_OF	REACTOME_PAUSING_AND_RECOVERY_OF_HIV:1_ELONGATI(
ENSG00000205246	RPSAP58 PPI subnetwork
GO:0050730	regulation of peptidyl-tyrosine phosphorylation
ENSG00000137992	DBT PPI subnetwork
MP:0005092	decreased double-positive T cell number
KEGG_BIOSYNTHESIS_OF_UNSATURATED_F	KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS
ENSG00000172115	CYCS PPI subnetwork
GO:0019902	phosphatase binding
REACTOME_SYNTHESIS_SECRETION_AND_D	REACTOME_SYNTHESIS_SECRETION_AND_DEACYLATION_OF_
ENSG00000007171	NOS2 PPI subnetwork
GO:0050431	transforming growth factor beta binding
GO:0030730	sequestering of triglyceride
GO:0007369	gastrulation
ENSG00000070371	CLTCL1 PPI subnetwork
ENSG00000134419	RPS15A PPI subnetwork
MP:0003938	abnormal ear development
ENSG00000171720	HDAC3 PPI subnetwork
ENSG00000172780	RAB43 PPI subnetwork
GO:0000272	polysaccharide catabolic process
GO:0071222	cellular response to lipopolysaccharide
MP:0004322	abnormal sternebra morphology
ENSG00000079246	XRCC5 PPI subnetwork
ENSG00000204361	FAM55B PPI subnetwork
ENSG00000080345	RIF1 PPI subnetwork
ENSG00000139626	ITGB7 PPI subnetwork
ENSG00000130479	MAP1S PPI subnetwork
ENSG00000146950	SHROOM2 PPI subnetwork
ENSG00000126456	IRF3 PPI subnetwork
ENSG00000160201	U2AF1 PPI subnetwork
GO:0033764	steroid dehydrogenase activity, acting on the CH-OH group of
ENSG00000113569	NUP155 PPI subnetwork
KEGG_B_CELL_RECEPTOR_SIGNALING_PATI	KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY
MP:0008126	increased dendritic cell number
ENSG00000138757	G3BP2 PPI subnetwork
ENSG00000089048	ESF1 PPI subnetwork
ENSG00000145332	KLHL8 PPI subnetwork
ENSG00000110237	ARHGEF17 PPI subnetwork
GO:0010878	cholesterol storage
MP:0003992	increased mortality induced by ionizing radiation

ENSG00000183072	NKX2-5 PPI subnetwork
GO:0050663	cytokine secretion
GO:0042059	negative regulation of epidermal growth factor receptor signa
ENSG00000090339	ICAM1 PPI subnetwork
ENSG00000127688	GAN PPI subnetwork
GO:0033540	fatty acid beta-oxidation using acyl-CoA oxidase
ENSG00000089234	BRAP PPI subnetwork
ENSG00000125651	GTF2F1 PPI subnetwork
MP:0002411	decreased susceptibility to bacterial infection
ENSG00000148843	PDCD11 PPI subnetwork
ENSG00000108883	EFTUD2 PPI subnetwork
MP:0000074	abnormal neurocranium morphology
GO:0009074	aromatic amino acid family catabolic process
ENSG00000198301	SDAD1 PPI subnetwork
ENSG00000140332	TLE3 PPI subnetwork
MP:0008807	increased liver iron level
ENSG00000121931	LRIF1 PPI subnetwork
ENSG00000101210	EEF1A2 PPI subnetwork
MP:0001284	absent vibrissae
ENSG00000172071	EIF2AK3 PPI subnetwork
ENSG00000169967	MAP3K2 PPI subnetwork
MP:0004418	small parietal bone
ENSG00000205542	TMSB4X PPI subnetwork
ENSG00000142534	RPS11 PPI subnetwork
ENSG00000136738	STAM PPI subnetwork
MP:0004180	failure of initiation of embryo turning
ENSG00000105371	ICAM4 PPI subnetwork
MP:0008186	increased pro-B cell number
ENSG00000109111	SUPT6H PPI subnetwork
ENSG00000186340	THBS2 PPI subnetwork
MP:0001222	epidermal hyperplasia
ENSG00000109606	DHX15 PPI subnetwork
GO:0005911	cell-cell junction
ENSG00000087111	PIGS PPI subnetwork
GO:0008514	organic anion transmembrane transporter activity
MP:0000428	abnormal craniofacial morphology
GO:0002521	leukocyte differentiation
ENSG00000112159	MDN1 PPI subnetwork
GO:0071900	regulation of protein serine/threonine kinase activity
ENSG00000145425	RPS3A PPI subnetwork
ENSG00000160208	RRP1B PPI subnetwork
ENSG00000011405	PIK3C2A PPI subnetwork
GO:0034446	substrate adhesion-dependent cell spreading
ENSG00000100485	SOS2 PPI subnetwork
ENSG00000168438	CDC40 PPI subnetwork
ENSG00000136504	KAT7 PPI subnetwork
GO:0032526	response to retinoic acid
ENSG00000108592	FTSJ3 PPI subnetwork
ENSG00000197555	SIPA1L1 PPI subnetwork
ENSG00000176273	SLC35G1 PPI subnetwork

KEGG_FOCAL_ADHESION	KEGG_FOCAL_ADHESION
GO:0008320	protein transmembrane transporter activity
GO:0022884	macromolecule transmembrane transporter activity
MP:0008190	decreased transitional stage B cell number
ENSG00000167005	NUDT21 PPI subnetwork
MP:0000889	abnormal cerebellar molecular layer
GO:0046879	hormone secretion
ENSG00000074211	PPP2R2C PPI subnetwork
MP:0008617	increased circulating interleukin-12 level
GO:0032602	chemokine production
ENSG00000186676	ENSG00000186676 PPI subnetwork
GO:0050661	NADP binding
ENSG00000184489	PTP4A3 PPI subnetwork
ENSG00000104835	FBXO17 PPI subnetwork
MP:0002467	impaired neutrophil phagocytosis
ENSG00000115415	STAT1 PPI subnetwork
MP:0000286	abnormal mitral valve morphology
REACTOME_GAP_JUNCTION_TRAFFICKING_	REACTOME_GAP_JUNCTION_TRAFFICKING_AND_REGULATION
ENSG00000164342	TLR3 PPI subnetwork
ENSG00000006747	SCIN PPI subnetwork
ENSG00000160224	AIRE PPI subnetwork
MP:0003722	absent ureter
ENSG00000025796	SEC63 PPI subnetwork
MP:0003009	abnormal cytokine secretion
MP:0000706	small thymus
ENSG00000113282	CLINT1 PPI subnetwork
ENSG00000005844	ITGAL PPI subnetwork
GO:0001078	RNA polymerase II core promoter proximal region sequence-s
KEGG_CHEMOKINE_SIGNALING_PATHWAY	KEGG_CHEMOKINE_SIGNALING_PATHWAY
GO:0008134	transcription factor binding
MP:0001286	abnormal eye development
GO:0033865	nucleoside bisphosphate metabolic process
ENSG00000188153	COL4A5 PPI subnetwork
GO:0017091	AU-rich element binding
ENSG00000100722	ZC3H14 PPI subnetwork
MP:0004261	abnormal embryonic neuroepithelium morphology
ENSG00000102804	TSC22D1 PPI subnetwork
ENSG00000174748	RPL15 PPI subnetwork
ENSG00000196781	TLE1 PPI subnetwork
ENSG00000091140	DLD PPI subnetwork
ENSG00000167601	AXL PPI subnetwork
ENSG00000108679	LGALS3BP PPI subnetwork
REACTOME_IMMUNOREGULATORY_INTERA	REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN
ENSG00000073536	NLE1 PPI subnetwork
GO:0045335	phagocytic vesicle
REACTOME_SIGNALING_BY_SCF:KIT	REACTOME_SIGNALING_BY_SCF:KIT
REACTOME_EGFR_DOWNREGULATION	REACTOME_EGFR_DOWNREGULATION
MP:0000352	decreased cell proliferation
ENSG00000145423	SFRP2 PPI subnetwork
ENSG00000181061	HIGD1A PPI subnetwork

ENSG00000129315	CCNT1 PPI subnetwork
MP:0001153	small seminiferous tubules
ENSG00000007264	MATK PPI subnetwork
ENSG00000119041	GTF3C3 PPI subnetwork
MP:0001953	respiratory failure
MP:0000715	decreased thymocyte number
ENSG00000139343	SNRPF PPI subnetwork
ENSG00000179295	PTPN11 PPI subnetwork
GO:0048841	regulation of axon extension involved in axon guidance
GO:0060349	bone morphogenesis
ENSG00000189162	ENSG00000189162 PPI subnetwork
ENSG00000162385	MAGOH PPI subnetwork
MP:0002416	abnormal proerythroblast morphology
MP:0004073	caudal body truncation
GO:0006916	anti-apoptosis
MP:0001663	abnormal digestive system physiology
GO:0030670	phagocytic vesicle membrane
MP:0005553	increased circulating creatinine level
MP:0001201	translucent skin
ENSG00000166866	MYO1A PPI subnetwork
ENSG00000183020	AP2A2 PPI subnetwork
ENSG00000078579	FGF20 PPI subnetwork
ENSG00000184863	RBM33 PPI subnetwork
ENSG00000121741	ZMYM2 PPI subnetwork
REACTOME_TRANSPORT_OF_GLUCOSE_AN	REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS
ENSG00000182533	CAV3 PPI subnetwork
MP:0003924	herniated diaphragm
MP:0002843	decreased systemic arterial blood pressure
ENSG00000075151	EIF4G3 PPI subnetwork
ENSG00000138029	HADHB PPI subnetwork
ENSG00000197045	GMFB PPI subnetwork
ENSG00000205937	RNPS1 PPI subnetwork
MP:0001129	impaired ovarian folliculogenesis
ENSG00000173120	KDM2A PPI subnetwork
MP:0008673	decreased interleukin-13 secretion
REACTOME_MYD88:INDEPENDENT_CASCAI	REACTOME_MYD88:INDEPENDENT_CASCADE_INITIATED_ON_
ENSG00000120500	ARR3 PPI subnetwork
ENSG00000148175	STOM PPI subnetwork
MP:0008168	decreased B-1a cell number
ENSG00000133477	FAM83F PPI subnetwork
GO:0005072	transforming growth factor beta receptor, cytoplasmic mediat
GO:0055065	metal ion homeostasis
KEGG_PYRUVATE_METABOLISM	KEGG_PYRUVATE_METABOLISM
MP:0000432	abnormal head morphology
MP:0002060	abnormal skin morphology
ENSG00000053372	MRTO4 PPI subnetwork
ENSG00000149273	RPS3 PPI subnetwork
ENSG00000206357	RDBP PPI subnetwork
ENSG00000206268	RDBP PPI subnetwork
ENSG00000204356	RDBP PPI subnetwork

MP:0008688	decreased interleukin-2 secretion
ENSG00000100294	MCAT PPI subnetwork
GO:0015931	nucleobase-containing compound transport
GO:0004953	icosanoid receptor activity
GO:0004954	prostanoid receptor activity
MP:0011186	abnormal visceral endoderm morphology
ENSG00000143748	NVL PPI subnetwork
REACTOME_TRIF_MEDIATED_TLR3_SIGNAL	REACTOME_TRIF_MEDIATED_TLR3_SIGNALING
REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_	REACTOME_TOLL_LIKE_RECEPTOR_3_TLR3_CASCADE
ENSG00000108055	SMC3 PPI subnetwork
MP:0005058	abnormal lysosome morphology
ENSG00000198802	ENSG00000198802 PPI subnetwork
ENSG00000072210	ALDH3A2 PPI subnetwork
MP:0005404	abnormal axon morphology
ENSG00000106344	RBM28 PPI subnetwork
MP:0004401	increased cochlear outer hair cell number
ENSG00000091136	LAMB1 PPI subnetwork
MP:0001155	arrest of spermatogenesis
GO:0043394	proteoglycan binding
MP:0005093	decreased B cell proliferation
ENSG00000102900	NUP93 PPI subnetwork
ENSG00000169062	UPF3A PPI subnetwork
ENSG00000114686	MRPL3 PPI subnetwork
ENSG00000141759	TXNL4A PPI subnetwork
GO:0045177	apical part of cell
GO:0016758	transferase activity, transferring hexosyl groups
ENSG00000182953	ENSG00000182953 PPI subnetwork
REACTOME_TRANSMEMBRANE_TRANSPOR	REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MO
GO:0051604	protein maturation
MP:0000764	abnormal tongue epithelium morphology
ENSG00000186111	PIP5K1C PPI subnetwork
ENSG00000198356	ASNA1 PPI subnetwork
MP:0005362	abnormal Langerhans cell physiology
ENSG00000167721	TSR1 PPI subnetwork
GO:0072593	reactive oxygen species metabolic process
ENSG00000174989	FBXW8 PPI subnetwork
GO:0003279	cardiac septum development
ENSG00000137876	RSL24D1 PPI subnetwork
MP:0008663	increased interleukin-12 secretion
ENSG00000160633	SAFB PPI subnetwork
GO:0031124	mRNA 3'-end processing
MP:0000149	abnormal scapula morphology
ENSG00000060140	STYK1 PPI subnetwork
ENSG00000125508	SRMS PPI subnetwork
MP:0003449	abnormal intestinal goblet cell morphology
MP:0008279	arrest of spermiogenesis
MP:0000926	absent floor plate
GO:0031012	extracellular matrix
MP:0008388	hypochromic microcytic anemia
GO:0048286	lung alveolus development

MP:0008713	abnormal cytokine level
ENSG00000105369	CD79A PPI subnetwork
ENSG00000101336	HCK PPI subnetwork
ENSG00000125870	SNRPB2 PPI subnetwork
ENSG00000168646	AXIN2 PPI subnetwork
ENSG00000177963	RIC8A PPI subnetwork
MP:0002413	abnormal megakaryocyte progenitor cell morphology
ENSG00000135829	DHX9 PPI subnetwork
ENSG00000025800	KPNA6 PPI subnetwork
ENSG00000065978	YBX1 PPI subnetwork
ENSG00000112312	GMNN PPI subnetwork
ENSG00000215440	NPEPL1 PPI subnetwork
GO:0008417	fucosyltransferase activity
ENSG00000138326	RPS24 PPI subnetwork
GO:0045687	positive regulation of glial cell differentiation
ENSG00000117450	PRDX1 PPI subnetwork
GO:0043534	blood vessel endothelial cell migration
ENSG00000206156	ENSG00000206156 PPI subnetwork
REACTOME_SIGNALING_BY_EGFR_IN_CAN(	REACTOME_SIGNALING_BY_EGFR_IN_CANCER
GO:0033673	negative regulation of kinase activity
MP:0004471	short nasal bone
ENSG00000124181	PLCG1 PPI subnetwork
MP:0003308	abnormal cochlear sensory epithelium morphology
ENSG00000165271	NOL6 PPI subnetwork
ENSG00000043462	LCP2 PPI subnetwork
MP:0002176	increased brain weight
ENSG00000172216	CEBPB PPI subnetwork
ENSG00000173281	PPP1R3B PPI subnetwork
MP:0003447	decreased tumor growth/size
ENSG00000143368	SF3B4 PPI subnetwork
GO:0016862	intramolecular oxidoreductase activity, interconverting keto- a
ENSG00000129255	MPDU1 PPI subnetwork
ENSG00000183405	ENSG00000183405 PPI subnetwork
ENSG00000083896	YTHDC1 PPI subnetwork
REACTOME_N:GLYCAN_TRIMMING_IN_THE	REACTOME_N:GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEX
GO:0060193	positive regulation of lipase activity
GO:0003730	mRNA 3'-UTR binding
ENSG00000163635	ATXN7 PPI subnetwork
ENSG00000130024	PHF10 PPI subnetwork
MP:0002490	abnormal immunoglobulin level
ENSG00000198467	TPM2 PPI subnetwork
ENSG00000134853	PDGFRA PPI subnetwork
GO:0060759	regulation of response to cytokine stimulus
ENSG00000047315	POLR2B PPI subnetwork
ENSG00000188170	ENSG00000188170 PPI subnetwork
ENSG00000125351	UPF3B PPI subnetwork
MP:0003974	abnormal endocardium morphology
ENSG00000115904	SOS1 PPI subnetwork
ENSG00000171219	CDC42BPG PPI subnetwork
ENSG00000083845	RPS5 PPI subnetwork

GO:0009084	glutamine family amino acid biosynthetic process
GO:0071345	cellular response to cytokine stimulus
GO:0010575	positive regulation vascular endothelial growth factor product
REACTOME_SPHINGOLIPID_METABOLISM	REACTOME_SPHINGOLIPID_METABOLISM
MP:0002663	failure to form blastocele
MP:0003270	intestinal obstruction
MP:0010373	myeloid hyperplasia
ENSG00000065183	WDR3 PPI subnetwork
MP:0001261	obese
GO:0005385	zinc ion transmembrane transporter activity
MP:0003111	abnormal cell nucleus morphology
GO:0060334	regulation of interferon-gamma-mediated signaling pathway
GO:0060330	regulation of response to interferon-gamma
GO:0000096	sulfur amino acid metabolic process
GO:0071371	cellular response to gonadotropin stimulus
ENSG00000126561	STAT5A PPI subnetwork
GO:0001558	regulation of cell growth
GO:0032642	regulation of chemokine production
GO:0008144	drug binding
GO:0019900	kinase binding
MP:0004157	interrupted aortic arch
MP:0000807	abnormal hippocampus morphology
ENSG00000100324	TAB1 PPI subnetwork
MP:0000521	abnormal kidney cortex morphology
ENSG00000119408	NEK6 PPI subnetwork
MP:0006144	increased systemic arterial systolic blood pressure
MP:0005306	abnormal phalanx morphology
ENSG00000121552	CSTA PPI subnetwork
GO:0003281	ventricular septum development
ENSG00000116560	SFPQ PPI subnetwork
GO:0008238	exopeptidase activity
ENSG00000170348	TMED10 PPI subnetwork
ENSG00000115963	RND3 PPI subnetwork
GO:0032722	positive regulation of chemokine production
ENSG00000149357	LAMTOR1 PPI subnetwork
GO:0030308	negative regulation of cell growth
GO:0008186	RNA-dependent ATPase activity
ENSG00000143190	POU2F1 PPI subnetwork
ENSG00000121390	PSPC1 PPI subnetwork
ENSG00000174243	DDX23 PPI subnetwork
ENSG00000160087	UBE2J2 PPI subnetwork
MP:0005344	increased circulating bilirubin level
GO:0003158	endothelium development
ENSG00000080608	KIAA0020 PPI subnetwork
ENSG00000151422	FER PPI subnetwork
MP:0000260	abnormal angiogenesis
ENSG00000106636	YKT6 PPI subnetwork
ENSG00000008952	SEC62 PPI subnetwork
GO:0004675	transmembrane receptor protein serine/threonine kinase acti
GO:0005605	basal lamina

ENSG00000179218	CALR PPI subnetwork
ENSG00000173575	CHD2 PPI subnetwork
REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR1TLR2_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLI	REACTOME_TOLL_LIKE_RECEPTOR_TLR6TLR2_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_	REACTOME_TOLL_LIKE_RECEPTOR_2_TLR2_CASCADE
REACTOME_MYD88MAL_CASCADE_INITIAT	REACTOME_MYD88MAL_CASCADE_INITIATED_ON_PLASMA_I
GO:0031228	intrinsic to Golgi membrane
ENSG00000176476	CCDC101 PPI subnetwork
ENSG00000111642	CHD4 PPI subnetwork
GO:0008286	insulin receptor signaling pathway
ENSG00000134245	WNT2B PPI subnetwork
GO:0055123	digestive system development
KEGG_OTHER_GLYCAN_DEGRADATION	KEGG_OTHER_GLYCAN_DEGRADATION
ENSG00000095585	BLNK PPI subnetwork
GO:0006029	proteoglycan metabolic process
MP:0000336	decreased mast cell number
REACTOME_SEMAPHORIN_INTERACTIONS	REACTOME_SEMAPHORIN_INTERACTIONS
ENSG00000157873	TNFRSF14 PPI subnetwork
ENSG00000099622	CIRBP PPI subnetwork
ENSG00000113721	PDGFRB PPI subnetwork
ENSG00000183751	TBL3 PPI subnetwork
MP:0000298	absent atrioventricular cushions
GO:0050707	regulation of cytokine secretion
ENSG00000055044	NOP58 PPI subnetwork
ENSG00000108688	CCL7 PPI subnetwork
ENSG00000143977	SNRPG PPI subnetwork
ENSG00000136271	DDX56 PPI subnetwork
ENSG00000178950	GAK PPI subnetwork
GO:0002039	p53 binding
ENSG00000165178	ENSG00000165178 PPI subnetwork
ENSG00000133961	NUMB PPI subnetwork
GO:0009409	response to cold
ENSG00000132507	EIF5A PPI subnetwork
ENSG00000166167	BTRC PPI subnetwork
GO:0005604	basement membrane
GO:0032330	regulation of chondrocyte differentiation
GO:0001763	morphogenesis of a branching structure
ENSG00000142676	RPL11 PPI subnetwork
GO:0006887	exocytosis
ENSG00000189319	FAM53B PPI subnetwork
MP:0004007	abnormal lung vasculature morphology
MP:0002855	abnormal cochlear ganglion morphology
REACTOME_DARPP:32_EVENTS	REACTOME_DARPP:32_EVENTS
ENSG00000066336	SPI1 PPI subnetwork
GO:0030119	AP-type membrane coat adaptor complex
ENSG00000014216	CAPN1 PPI subnetwork
ENSG00000164924	YWHAZ PPI subnetwork
ENSG00000127527	EPS15L1 PPI subnetwork
GO:0015936	coenzyme A metabolic process
ENSG00000100316	RPL3 PPI subnetwork

ENSG00000124228	DDX27 PPI subnetwork
ENSG00000185920	PTCH1 PPI subnetwork
MP:0000854	abnormal cerebellum development
MP:0004031	insulitis
MP:0001919	abnormal reproductive system physiology
ENSG00000168036	CTNNB1 PPI subnetwork
GO:0016775	phosphotransferase activity, nitrogenous group as acceptor
ENSG00000149532	CPSF7 PPI subnetwork
ENSG00000198517	MAFK PPI subnetwork
GO:0044419	interspecies interaction between organisms
MP:0004989	decreased osteoblast cell number
ENSG00000146109	ABT1 PPI subnetwork
GO:0002449	lymphocyte mediated immunity
ENSG00000137500	CCDC90B PPI subnetwork
ENSG00000215778	ENSG00000215778 PPI subnetwork
ENSG00000160791	CCR5 PPI subnetwork
GO:0071902	positive regulation of protein serine/threonine kinase activity
ENSG00000093000	NUP50 PPI subnetwork
REACTOME_PERK_REGULATED_GENE_EXPF	REACTOME_PERK_REGULATED_GENE_EXPRESSION
KEGG_ETHER_LIPID_METABOLISM	KEGG_ETHER_LIPID_METABOLISM
ENSG00000135486	HNRNPA1 PPI subnetwork
GO:0005100	Rho GTPase activator activity
ENSG00000206308	HLA-DRA PPI subnetwork
MP:0004966	abnormal inner cell mass proliferation
GO:0006633	fatty acid biosynthetic process
ENSG00000026508	CD44 PPI subnetwork
MP:0006301	abnormal mesenchyme morphology
GO:0005903	brush border
ENSG00000141655	TNFRSF11A PPI subnetwork
ENSG00000106355	LSM5 PPI subnetwork
ENSG00000162231	NXF1 PPI subnetwork
ENSG00000166233	ARIH1 PPI subnetwork
ENSG00000140464	PML PPI subnetwork
ENSG00000068976	PYGM PPI subnetwork
ENSG00000113240	CLK4 PPI subnetwork
ENSG00000100888	CHD8 PPI subnetwork
ENSG00000174292	TNK1 PPI subnetwork
GO:0050778	positive regulation of immune response
ENSG00000139719	VPS33A PPI subnetwork
ENSG00000092208	GEMIN2 PPI subnetwork
ENSG00000087365	SF3B2 PPI subnetwork
MP:0000445	short snout
MP:0003446	renal hypoplasia
ENSG00000070770	CSNK2A2 PPI subnetwork
ENSG00000179348	GATA2 PPI subnetwork
GO:0051098	regulation of binding
REACTOME_AMINO_ACID_AND_OLIGOPEP	REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSP
ENSG00000166598	HSP90B1 PPI subnetwork
GO:0032844	regulation of homeostatic process
GO:0046427	positive regulation of JAK-STAT cascade

GO:0005614	interstitial matrix
ENSG00000163520	FBLN2 PPI subnetwork
ENSG00000127947	PTPN12 PPI subnetwork
MP:0002199	abnormal brain commissure morphology
REACTOME_SIGNALING_BY_EGFR	REACTOME_SIGNALING_BY_EGFR
ENSG00000133895	MEN1 PPI subnetwork
ENSG00000149016	TUT1 PPI subnetwork
GO:0060411	cardiac septum morphogenesis
MP:0001777	abnormal body temperature homeostasis
ENSG00000099797	TECR PPI subnetwork
ENSG00000167258	CDK12 PPI subnetwork
ENSG00000106028	SSBP1 PPI subnetwork
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNA_DERIVED_FRO
GO:0051168	nuclear export
ENSG00000112033	PPARD PPI subnetwork
ENSG00000141141	DDX52 PPI subnetwork
ENSG00000104852	SNRNP70 PPI subnetwork
MP:0000929	open neural tube
ENSG00000173349	SFT2D3 PPI subnetwork
ENSG00000120156	TEK PPI subnetwork
ENSG00000070018	LRP6 PPI subnetwork
MP:0010377	abnormal gut flora balance
ENSG00000065559	MAP2K4 PPI subnetwork
ENSG00000129514	FOXA1 PPI subnetwork
ENSG00000130826	DKC1 PPI subnetwork
GO:0015020	glucuronosyltransferase activity
ENSG00000143079	CTTNBP2NL PPI subnetwork
GO:0015171	amino acid transmembrane transporter activity
GO:0045685	regulation of glial cell differentiation
KEGG_PENTOSE_PHOSPHATE_PATHWAY	KEGG_PENTOSE_PHOSPHATE_PATHWAY
GO:0002700	regulation of production of molecular mediator of immune res
ENSG00000163823	CCR1 PPI subnetwork
ENSG00000126602	TRAP1 PPI subnetwork
ENSG00000101473	ACOT8 PPI subnetwork
ENSG00000136450	SRSF1 PPI subnetwork
MP:0005030	absent amnion
ENSG00000104408	EIF3E PPI subnetwork
ENSG00000114503	NCBP2 PPI subnetwork
MP:0002016	ovary cysts
ENSG00000072682	P4HA2 PPI subnetwork
ENSG00000106617	PRKAG2 PPI subnetwork
ENSG00000072518	MARK2 PPI subnetwork
GO:0030278	regulation of ossification
MP:0000897	abnormal midbrain morphology
ENSG00000189091	SF3B3 PPI subnetwork
MP:0002192	hydrops fetalis
MP:0004310	small otic vesicle
GO:0007597	blood coagulation, intrinsic pathway
REACTOME_TRANSPORT_OF_MATURE_MR	REACTOME_TRANSPORT_OF_MATURE_MRNAS_DERIVED_FRO
ENSG00000134697	GNL2 PPI subnetwork

ENSG00000179151	EDC3 PPI subnetwork
GO:0046164	alcohol catabolic process
ENSG00000172795	DCP2 PPI subnetwork
GO:0016500	protein-hormone receptor activity
MP:0001156	abnormal spermatogenesis
ENSG00000196943	C14orf21 PPI subnetwork
ENSG00000067596	DHX8 PPI subnetwork
MP:0000116	abnormal tooth development
MP:0001392	abnormal locomotor behavior
ENSG00000080815	PSEN1 PPI subnetwork
ENSG00000157514	TSC22D3 PPI subnetwork
GO:0004004	ATP-dependent RNA helicase activity
ENSG00000088247	KHSRP PPI subnetwork
ENSG00000184937	WT1 PPI subnetwork
ENSG00000124788	ATXN1 PPI subnetwork
MP:0000026	abnormal inner ear morphology
REACTOME_FRS2:MEDIATED_CASCADE	REACTOME_FRS2:MEDIATED_CASCADE
REACTOME_MEMBRANE_TRAFFICKING	REACTOME_MEMBRANE_TRAFFICKING
ENSG00000112578	BYSL PPI subnetwork
ENSG00000072501	SMC1A PPI subnetwork
MP:0000106	abnormal basisphenoid bone morphology
MP:0005012	decreased eosinophil cell number
ENSG00000107882	SUFU PPI subnetwork
ENSG00000214528	ENSG00000214528 PPI subnetwork
GO:0016101	diterpenoid metabolic process
ENSG00000159217	IGF2BP1 PPI subnetwork
MP:0002001	blindness
ENSG00000129250	KIF1C PPI subnetwork
ENSG00000077549	CAPZB PPI subnetwork
MP:0000550	abnormal forelimb morphology
MP:0003396	abnormal embryonic hematopoiesis
ENSG00000127329	PTPRB PPI subnetwork
ENSG00000166888	STAT6 PPI subnetwork
ENSG00000135387	CAPRIN1 PPI subnetwork
MP:0004509	abnormal pelvic girdle bone morphology
GO:0009101	glycoprotein biosynthetic process
GO:0009894	regulation of catabolic process
GO:0001725	stress fiber
MP:0002687	oligozoospermia
ENSG00000142871	CYR61 PPI subnetwork
ENSG00000074181	NOTCH3 PPI subnetwork
MP:0011320	abnormal glomerular capillary morphology
ENSG00000111641	NOP2 PPI subnetwork
GO:0010001	glial cell differentiation
ENSG00000167508	MVD PPI subnetwork
GO:0005741	mitochondrial outer membrane
ENSG00000116830	TTF2 PPI subnetwork
MP:0000729	abnormal myogenesis
MP:0002784	abnormal Sertoli cell morphology
GO:0005884	actin filament

GO:0001934	positive regulation of protein phosphorylation
ENSG00000139515	PDX1 PPI subnetwork
ENSG00000075673	ATP12A PPI subnetwork
ENSG00000183395	PMCH PPI subnetwork
ENSG00000099308	MAST3 PPI subnetwork
ENSG00000173801	JUP PPI subnetwork
GO:0001959	regulation of cytokine-mediated signaling pathway
ENSG00000136026	CKAP4 PPI subnetwork
MP:0008221	abnormal hippocampal commissure morphology
REACTOME_FGFR_LIGAND_BINDING_AND_	REACTOME_FGFR_LIGAND_BINDING_AND_ACTIVATION
ENSG00000115844	DLX2 PPI subnetwork
ENSG00000104960	PTOV1 PPI subnetwork
ENSG00000113460	BRIX1 PPI subnetwork
MP:0003054	spina bifida
ENSG00000130726	TRIM28 PPI subnetwork
GO:0005730	nucleolus
GO:0003724	RNA helicase activity
ENSG00000135372	NAT10 PPI subnetwork
MP:0002356	abnormal spleen red pulp morphology
ENSG00000138378	STAT4 PPI subnetwork
ENSG00000108559	NUP88 PPI subnetwork
ENSG00000154764	WNT7A PPI subnetwork
ENSG00000168487	BMP1 PPI subnetwork
ENSG00000173636	ENSG00000173636 PPI subnetwork
MP:0005322	abnormal serotonin level
ENSG00000162552	WNT4 PPI subnetwork
ENSG00000151224	MAT1A PPI subnetwork
MP:0004047	abnormal milk composition
GO:0045776	negative regulation of blood pressure
ENSG00000172409	CLP1 PPI subnetwork
ENSG00000156508	EEF1A1 PPI subnetwork
MP:0001680	abnormal mesoderm development
ENSG00000123124	WWP1 PPI subnetwork
REACTOME_REGULATION_OF_SIGNALING_	REACTOME_REGULATION_OF_SIGNALING_BY_CBL
GO:0016410	N-acyltransferase activity
MP:0004608	abnormal cervical axis morphology
MP:0005616	decreased susceptibility to type IV hypersensitivity reaction
ENSG00000144158	ENSG00000144158 PPI subnetwork
ENSG00000137574	TGS1 PPI subnetwork
ENSG00000172534	HCFC1 PPI subnetwork
ENSG00000105202	FBL PPI subnetwork
GO:0002064	epithelial cell development
GO:0030168	platelet activation
ENSG00000058729	RIOK2 PPI subnetwork
GO:0000988	protein binding transcription factor activity
MP:0005410	abnormal fertilization
MP:0002836	abnormal chorion morphology
ENSG00000134602	ENSG00000134602 PPI subnetwork
REACTOME_GAP_JUNCTION_TRAFFICKING	REACTOME_GAP_JUNCTION_TRAFFICKING
MP:0002279	abnormal diaphragm morphology

ENSG00000180138	CSNK1A1L PPI subnetwork
ENSG00000122884	P4HA1 PPI subnetwork
MP:0003743	abnormal facial morphology
GO:0001704	formation of primary germ layer
GO:0035272	exocrine system development
GO:0006875	cellular metal ion homeostasis
ENSG00000104856	RELB PPI subnetwork
GO:0051090	regulation of sequence-specific DNA binding transcription fact
ENSG00000105851	PIK3CG PPI subnetwork
ENSG00000121989	ACVR2A PPI subnetwork
ENSG00000101811	CSTF2 PPI subnetwork
ENSG00000184363	PKP3 PPI subnetwork
MP:0001874	acanthosis
GO:0009952	anterior/posterior pattern specification
ENSG00000138442	WDR12 PPI subnetwork
MP:0001823	thymus hypoplasia
ENSG00000099942	CRKL PPI subnetwork
GO:0051428	peptide hormone receptor binding
GO:0010907	positive regulation of glucose metabolic process
GO:0042446	hormone biosynthetic process
ENSG00000115966	ATF2 PPI subnetwork
ENSG00000182004	SNRPE PPI subnetwork
ENSG00000163251	FZD5 PPI subnetwork
ENSG00000108691	CCL2 PPI subnetwork
GO:0008168	methyltransferase activity
ENSG00000142937	RPS8 PPI subnetwork
ENSG00000124795	DEK PPI subnetwork
MP:0000875	abnormal cerebellar Purkinje cell layer
GO:0001819	positive regulation of cytokine production
ENSG00000169884	WNT10B PPI subnetwork
ENSG00000135925	WNT10A PPI subnetwork
ENSG00000105989	WNT2 PPI subnetwork
ENSG00000143816	WNT9A PPI subnetwork
ENSG00000158955	WNT9B PPI subnetwork
ENSG00000085741	WNT11 PPI subnetwork
ENSG00000075290	WNT8B PPI subnetwork
ENSG00000061492	WNT8A PPI subnetwork
GO:0032592	integral to mitochondrial membrane
ENSG00000143995	MEIS1 PPI subnetwork
ENSG00000100815	TRIP11 PPI subnetwork
ENSG00000185721	DRG1 PPI subnetwork
ENSG00000167526	RPL13 PPI subnetwork
MP:0000443	abnormal snout morphology
ENSG00000067533	RRP15 PPI subnetwork
ENSG00000166225	FRS2 PPI subnetwork
MP:0008210	increased mature B cell number
ENSG00000134398	ERN2 PPI subnetwork
GO:0016485	protein processing
REACTOME_SYNTHESIS_OF_SUBSTRATES_I	REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N:GLYCAN_BIOS
ENSG00000100811	YY1 PPI subnetwork

MP:0001751	increased circulating luteinizing hormone level
MP:0005103	abnormal retinal pigmentation
ENSG00000037965	HOXC8 PPI subnetwork
MP:0000716	abnormal immune system cell morphology
ENSG00000187109	NAP1L1 PPI subnetwork
ENSG00000182481	KPNA2 PPI subnetwork
ENSG00000215769	ENSG00000215769 PPI subnetwork
ENSG00000147010	SH3KBP1 PPI subnetwork
ENSG00000170581	STAT2 PPI subnetwork
GO:0048864	stem cell development
GO:0009119	ribonucleoside metabolic process
KEGG_LEISHMANIA_INFECTION	KEGG_LEISHMANIA_INFECTION
ENSG00000178409	BEND3 PPI subnetwork
ENSG00000136938	ANP32B PPI subnetwork
ENSG00000074966	TXK PPI subnetwork
MP:0011049	impaired adaptive thermogenesis
ENSG00000188612	SUMO2 PPI subnetwork
ENSG00000142684	ZNF593 PPI subnetwork
MP:0003703	abnormal vestibulocochlear ganglion morphology
ENSG00000165494	PCF11 PPI subnetwork
ENSG00000134453	RBM17 PPI subnetwork
REACTOME_NFKB_AND_MAP_KINASES_AC	REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIAT
MP:0004819	decreased skeletal muscle mass
MP:0001157	small seminal vesicle
ENSG00000100941	PNN PPI subnetwork
MP:0004678	split xiphoid process
ENSG00000198755	RPL10A PPI subnetwork
GO:0021545	cranial nerve development
GO:0019901	protein kinase binding
GO:0051289	protein homotetramerization
MP:0008496	decreased IgG2a level
ENSG00000163346	PBXIP1 PPI subnetwork
GO:0034483	heparan sulfate sulfotransferase activity
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION
REACTOME_BIOSYNTHESIS_OF_THE_N:GLY	REACTOME_BIOSYNTHESIS_OF_THE_N:GLYCAN_PRECURSOR_
GO:0051248	negative regulation of protein metabolic process
GO:0002828	regulation of type 2 immune response
ENSG00000116044	NFE2L2 PPI subnetwork
GO:0043296	apical junction complex
REACTOME_INTEGRATION_OF_ENERGY_MI	REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
MP:0002566	abnormal sexual interaction
MP:0001192	scaly skin
GO:0001523	retinoid metabolic process
ENSG00000104892	KLC3 PPI subnetwork
ENSG00000150990	DHX37 PPI subnetwork
MP:0009546	absent gastric milk in neonates
ENSG00000204175	GPRIN2 PPI subnetwork
MP:0002953	thick ventricular wall
GO:0005112	Notch binding
GO:0034698	response to gonadotropin stimulus

MP:0008826	abnormal splenic cell ratio
MP:0004110	transposition of great arteries
ENSG00000099995	SF3A1 PPI subnetwork
ENSG00000134987	WDR36 PPI subnetwork
ENSG00000101365	IDH3B PPI subnetwork
ENSG00000168488	ATXN2L PPI subnetwork
ENSG00000126883	NUP214 PPI subnetwork
ENSG00000142892	PIGK PPI subnetwork
ENSG00000059378	PARP12 PPI subnetwork
ENSG00000145912	NHP2 PPI subnetwork
ENSG00000125743	SNRPD2 PPI subnetwork
MP:0002455	abnormal dendritic cell antigen presentation
GO:0015833	peptide transport
REACTOME_SIGNAL_TRANSDUCTION_BY_L	REACTOME_SIGNAL_TRANSDUCTION_BY_L1
REACTOME_PURINE_SALVAGE	REACTOME_PURINE_SALVAGE
ENSG00000134202	GSTM3 PPI subnetwork
MP:0003360	abnormal depression-related behavior
MP:0001125	abnormal oocyte morphology
REACTOME_CRMPS_IN_SEMA3A_SIGNALIN	REACTOME_CRMPS_IN_SEMA3A_SIGNALING
GO:0046620	regulation of organ growth
ENSG00000178896	EXOSC4 PPI subnetwork
ENSG00000078399	HOXA9 PPI subnetwork
ENSG00000089009	RPL6 PPI subnetwork
ENSG00000139637	C12orf10 PPI subnetwork
GO:0030510	regulation of BMP signaling pathway
GO:0019221	cytokine-mediated signaling pathway
GO:0008023	transcription elongation factor complex
MP:0003047	abnormal thoracic vertebrae morphology
ENSG00000089159	PXN PPI subnetwork
GO:0009100	glycoprotein metabolic process
GO:0004715	non-membrane spanning protein tyrosine kinase activity
ENSG00000143867	OSR1 PPI subnetwork
ENSG00000141447	OSBPL1A PPI subnetwork
ENSG00000136270	TBRG4 PPI subnetwork
MP:0002427	disproportionate dwarf
ENSG00000129347	KRI1 PPI subnetwork
ENSG00000198730	CTR9 PPI subnetwork
GO:0046365	monosaccharide catabolic process
ENSG00000086619	ERO1LB PPI subnetwork
MP:0002447	abnormal erythrocyte morphology
MP:0003641	small lung
MP:0006269	abnormal mammary gland growth during pregnancy
ENSG00000179041	RRS1 PPI subnetwork
ENSG00000144566	RAB5A PPI subnetwork
ENSG00000066044	ELAVL1 PPI subnetwork
ENSG00000002330	BAD PPI subnetwork
MP:0000018	small ears
GO:0019400	alditol metabolic process
MP:0008271	abnormal bone ossification
ENSG00000126351	THRA PPI subnetwork

ENSG00000105220	GPI PPI subnetwork
ENSG00000198242	RPL23A PPI subnetwork
ENSG00000104067	TJP1 PPI subnetwork
MP:0006303	abnormal retinal nerve fiber layer morphology
ENSG00000105323	HNRNPUL1 PPI subnetwork
ENSG00000111229	ARPC3 PPI subnetwork
ENSG00000164270	HTR4 PPI subnetwork
MP:0009395	increased nucleated erythrocyte cell number
REACTOME_FATTY_ACYL:COA_BIOSYNTHES	REACTOME_FATTY_ACYL:COA_BIOSYNTHESIS
MP:0008023	abnormal styloid process morphology
GO:0016861	intramolecular oxidoreductase activity, interconverting aldose
MP:0009336	increased splenocyte proliferation
MP:0009746	enhanced behavioral response to xenobiotic
MP:0002664	decreased circulating adrenocorticotropin level
GO:0048565	digestive tract development
ENSG00000075391	RASAL2 PPI subnetwork
ENSG00000110148	CCKBR PPI subnetwork
GO:0005774	vacuolar membrane
ENSG00000156675	RAB11FIP1 PPI subnetwork
GO:0031668	cellular response to extracellular stimulus
MP:0000480	increased rib number
MP:0003718	maternal effect
MP:0002020	increased tumor incidence
ENSG00000107562	CXCL12 PPI subnetwork
ENSG00000119689	DLST PPI subnetwork
GO:0019898	extrinsic to membrane
REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_	REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE
GO:0005487	nucleocytoplasmic transporter activity
ENSG00000101199	ARFGAP1 PPI subnetwork
GO:0048661	positive regulation of smooth muscle cell proliferation
ENSG00000206406	CSNK2B PPI subnetwork
ENSG00000204435	CSNK2B PPI subnetwork
ENSG00000206300	ENSG00000206300 PPI subnetwork
ENSG00000197303	ENSG00000197303 PPI subnetwork
GO:0050714	positive regulation of protein secretion
ENSG00000162407	PPAP2B PPI subnetwork
GO:0032321	positive regulation of Rho GTPase activity
MP:0009858	abnormal cellular extravasation
ENSG00000162924	REL PPI subnetwork
ENSG00000109103	UNC119 PPI subnetwork
MP:0010103	small thoracic cage
MP:0004395	increased cochlear inner hair cell number
GO:0030863	cortical cytoskeleton
GO:0046209	nitric oxide metabolic process
GO:0043401	steroid hormone mediated signaling pathway
GO:0046887	positive regulation of hormone secretion
MP:0004527	abnormal outer hair cell stereociliary bundle morphology
ENSG00000122966	CIT PPI subnetwork
MP:0005018	decreased T cell number
MP:0002459	abnormal B cell physiology

GO:0030552	cAMP binding
MP:0004462	small basisphenoid bone
KEGG_CITRATE_CYCLE_TCA_CYCLE	KEGG_CITRATE_CYCLE_TCA_CYCLE
GO:0035239	tube morphogenesis
ENSG00000182319	SGK223 PPI subnetwork
GO:0045860	positive regulation of protein kinase activity
GO:0001818	negative regulation of cytokine production
ENSG00000177380	PPFIA3 PPI subnetwork
ENSG00000041982	TNC PPI subnetwork
ENSG00000125084	WNT1 PPI subnetwork
ENSG00000175575	PAAF1 PPI subnetwork
ENSG00000175029	CTBP2 PPI subnetwork
ENSG00000118523	CTGF PPI subnetwork
GO:0004180	carboxypeptidase activity
GO:0055080	cation homeostasis
REACTOME_RIG:IMDA5_MEDIATED_INDUC	REACTOME_RIG:IMDA5_MEDIATED_INDUCTION_OF_IFN:ALPI
GO:0006469	negative regulation of protein kinase activity
ENSG00000111364	DDX55 PPI subnetwork
REACTOME_BETA:CATENIN_PHOSPHORYLA	REACTOME_BETA:CATENIN_PHOSPHORYLATION_CASCADE
REACTOME_TAK1_ACTIVATES_NFKB_BY_PH	REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_
ENSG00000151276	MAGI1 PPI subnetwork
MP:0010551	abnormal coronary vessel morphology
MP:0000373	belly spot
MP:0004204	absent stapes
ENSG00000173867	ENSG00000173867 PPI subnetwork
ENSG00000132153	DHX30 PPI subnetwork
ENSG00000164338	UTP15 PPI subnetwork
ENSG00000183431	SF3A3 PPI subnetwork
ENSG00000122140	MRPS2 PPI subnetwork
ENSG00000177426	TGIF1 PPI subnetwork
ENSG00000134597	RBMX2 PPI subnetwork
ENSG00000180353	HCLS1 PPI subnetwork
GO:0006700	C21-steroid hormone biosynthetic process
GO:0001649	osteoblast differentiation
ENSG00000113013	HSPA9 PPI subnetwork
GO:0042402	cellular biogenic amine catabolic process
GO:0031526	brush border membrane
ENSG00000131746	TNS4 PPI subnetwork
ENSG00000065618	COL17A1 PPI subnetwork
MP:0004875	increased mean systemic arterial blood pressure
GO:0019320	hexose catabolic process
GO:0045667	regulation of osteoblast differentiation
GO:0006568	tryptophan metabolic process
MP:0011143	thick lung-associated mesenchyme
ENSG00000188342	GTF2F2 PPI subnetwork
ENSG00000136931	NR5A1 PPI subnetwork
GO:0016327	apicolateral plasma membrane
MP:0001858	intestinal inflammation
ENSG00000115524	SF3B1 PPI subnetwork
ENSG00000074800	ENO1 PPI subnetwork

ENSG00000070061	IKBKAP PPI subnetwork
ENSG00000197063	MAFG PPI subnetwork
ENSG00000117360	PRPF3 PPI subnetwork
MP:0002161	abnormal fertility/fecundity
GO:0022804	active transmembrane transporter activity
ENSG00000116478	HDAC1 PPI subnetwork
REACTOME_TRANSPORT_OF_THE_SLBP_IN	REACTOME_TRANSPORT_OF_THE_SLBP_INDEPENDENT_MATU
GO:0042436	indole-containing compound catabolic process
GO:0006569	tryptophan catabolic process
GO:0046218	indolalkylamine catabolic process
ENSG00000167930	ITFG3 PPI subnetwork
GO:0009755	hormone-mediated signaling pathway
ENSG00000171094	ALK PPI subnetwork
ENSG00000116001	TIA1 PPI subnetwork
GO:0000959	mitochondrial RNA metabolic process
ENSG00000166908	PIP4K2C PPI subnetwork
GO:0051216	cartilage development
GO:0023061	signal release
GO:0003001	generation of a signal involved in cell-cell signaling
ENSG00000049759	NEDD4L PPI subnetwork
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_P	KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
ENSG00000144021	CIAO1 PPI subnetwork
MP:0002108	abnormal muscle morphology
ENSG00000154727	GABPA PPI subnetwork
ENSG00000131323	TRAF3 PPI subnetwork
ENSG00000007866	TEAD3 PPI subnetwork
ENSG00000171759	PAH PPI subnetwork
ENSG00000173876	TUBB8 PPI subnetwork
ENSG00000154429	C1orf96 PPI subnetwork
ENSG00000107338	SHB PPI subnetwork
REACTOME_APOPTOTIC_CLEAVAGE_OF_CE	REACTOME_APOPTOTIC_CLEAVAGE_OF_CELLULAR_PROTEINS
GO:0043566	structure-specific DNA binding
ENSG00000168476	REEP4 PPI subnetwork
ENSG00000147649	MTDH PPI subnetwork
MP:0002651	abnormal sciatic nerve morphology
MP:0001407	short stride length
GO:0030175	filopodium
MP:0002461	increased immunoglobulin level
MP:0003651	abnormal axon outgrowth
ENSG00000184357	HIST1H1B PPI subnetwork
ENSG00000131941	RHPN2 PPI subnetwork
ENSG00000106245	BUD31 PPI subnetwork
GO:0000989	transcription factor binding transcription factor activity
ENSG00000185624	P4HB PPI subnetwork
MP:0006355	abnormal sixth branchial arch artery morphology
GO:0015450	P-P-bond-hydrolysis-driven protein transmembrane transporte
GO:0042063	gliogenesis
MP:0002110	abnormal digit morphology
ENSG00000124299	PEPD PPI subnetwork
MP:0002444	abnormal T cell physiology

ENSG00000090863	GLG1 PPI subnetwork
GO:0002009	morphogenesis of an epithelium
ENSG00000155438	MKI67IP PPI subnetwork
ENSG00000012223	LTF PPI subnetwork
GO:0032039	integrator complex
MP:0000694	spleen hypoplasia
MP:0005091	increased double-positive T cell number
MP:0003311	aminoaciduria
MP:0003884	decreased macrophage cell number
GO:0030522	intracellular receptor mediated signaling pathway
GO:0045446	endothelial cell differentiation
ENSG00000162337	LRP5 PPI subnetwork
MP:0000031	abnormal cochlea morphology
ENSG00000068024	HDAC4 PPI subnetwork
MP:0003122	maternal imprinting
MP:0004830	short incisors
GO:0048598	embryonic morphogenesis
GO:0030173	integral to Golgi membrane
ENSG00000147202	DIAPH2 PPI subnetwork
MP:0003954	abnormal Reichert's membrane morphology
MP:0003049	abnormal lumbar vertebrae morphology
ENSG00000143514	TP53BP2 PPI subnetwork
ENSG00000071462	WBSCR22 PPI subnetwork
GO:0022604	regulation of cell morphogenesis
ENSG00000055732	MCOLN3 PPI subnetwork
ENSG00000143761	ARF1 PPI subnetwork
ENSG00000204673	AKT1S1 PPI subnetwork
MP:0004946	abnormal regulatory T cell physiology
MP:0004800	decreased susceptibility to experimental autoimmune enceph
ENSG00000215467	ENSG00000215467 PPI subnetwork
GO:0060487	lung epithelial cell differentiation
ENSG00000126001	CEP250 PPI subnetwork
MP:0004567	decreased myocardial fiber number
REACTOME_TRANSPORT_OF_RIBONUCLEOI	REACTOME_TRANSPORT_OF_RIBONUCLEOPROTEINS_INTO_T
ENSG00000122122	SASH3 PPI subnetwork
MP:0009417	skeletal muscle atrophy
ENSG00000198373	WWP2 PPI subnetwork
ENSG00000169398	PTK2 PPI subnetwork
ENSG00000159352	PSMD4 PPI subnetwork
MP:0004799	increased susceptibility to experimental autoimmune encepha
ENSG00000105509	HAS1 PPI subnetwork
ENSG00000165733	BMS1 PPI subnetwork
ENSG00000176986	SEC24C PPI subnetwork
ENSG00000119866	BCL11A PPI subnetwork
REACTOME_TRANSPORT_OF_THE_SLBP_DE	REACTOME_TRANSPORT_OF_THE_SLBP_DEPENDANT_MATUF
ENSG00000163399	ATP1A1 PPI subnetwork
ENSG00000111987	ENSG00000111987 PPI subnetwork
ENSG00000172850	LSM2 PPI subnetwork
ENSG00000204392	LSM2 PPI subnetwork
MP:0005464	abnormal platelet physiology

MP:0002418	increased susceptibility to viral infection
GO:0042594	response to starvation
GO:0018024	histone-lysine N-methyltransferase activity
MP:0000662	abnormal branching of the mammary ductal tree
REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_	REACTOME_TOLL_LIKE_RECEPTOR_5_TLR5_CASCADE
REACTOME_TOLL_LIKE_RECEPTOR_10_TLR1	REACTOME_TOLL_LIKE_RECEPTOR_10_TLR10_CASCADE
REACTOME_MYD88_CASCADE_INITIATED_(	REACTOME_MYD88_CASCADE_INITIATED_ON_PLASMA_MEM
MP:0004783	abnormal cardinal vein morphology
ENSG00000174125	TLR1 PPI subnetwork
REACTOME_TOLL_LIKE_RECEPTOR_78_TLR	REACTOME_TOLL_LIKE_RECEPTOR_78_TLR78_CASCADE
REACTOME_MYD88_DEPENDENT_CASCADE	REACTOME_MYD88_DEPENDENT_CASCADE_INITIATED_ON_E
ENSG00000129152	MYOD1 PPI subnetwork
ENSG00000145191	EIF2B5 PPI subnetwork
MP:0002753	dilated heart left ventricle
ENSG00000178105	DDX10 PPI subnetwork
MP:0008214	increased immature B cell number
ENSG00000165410	CFL2 PPI subnetwork
ENSG00000183117	CSMD1 PPI subnetwork
REACTOME_PYRIMIDINE_METABOLISM	REACTOME_PYRIMIDINE_METABOLISM
GO:0032259	methylation
ENSG00000173545	ZNF622 PPI subnetwork
ENSG00000141551	CSNK1D PPI subnetwork
ENSG00000143801	PSEN2 PPI subnetwork
ENSG00000039319	ZFYVE16 PPI subnetwork
ENSG00000116141	MARK1 PPI subnetwork
MP:0002801	abnormal long term object recognition memory
MP:0000150	abnormal rib morphology
ENSG00000100347	SAMM50 PPI subnetwork
ENSG00000157404	KIT PPI subnetwork
GO:0070411	I-SMAD binding
ENSG00000110107	PRPF19 PPI subnetwork
REACTOME_PIP3_ACTIVATES_AKT_SIGNALI	REACTOME_PIP3_ACTIVATES_AKT_SIGNALING
MP:0008212	absent mature B cells
GO:0071705	nitrogen compound transport
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_PROINFLAM
ENSG00000160741	CRTC2 PPI subnetwork
MP:0010465	aberrant origin of the right subclavian artery
GO:0010595	positive regulation of endothelial cell migration
ENSG00000179222	MAGED1 PPI subnetwork
MP:0002376	abnormal dendritic cell physiology
GO:0050654	chondroitin sulfate proteoglycan metabolic process
MP:0000364	abnormal vascular regression
MP:0008272	abnormal endochondral bone ossification
REACTOME_CYTOKINE_SIGNALING_IN_IMM	REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM
ENSG00000096696	DSP PPI subnetwork
MP:0009254	disorganized pancreatic islets
ENSG00000184110	EIF3C PPI subnetwork
GO:0032924	activin receptor signaling pathway
GO:0003712	transcription cofactor activity
MP:0003227	abnormal vascular branching morphogenesis

MP:0004076	abnormal vitelline vascular remodeling
REACTOME_G_ALPHA_S_SIGNALLING_EVEI	REACTOME_G_ALPHA_S_SIGNALLING_EVENTS
MP:0008540	abnormal cerebrum morphology
REACTOME_REGULATION_OF_KIT_SIGNALI	REACTOME_REGULATION_OF_KIT_SIGNALING
GO:0043627	response to estrogen stimulus
MP:0008211	decreased mature B cell number
GO:0005779	integral to peroxisomal membrane
GO:0031231	intrinsic to peroxisomal membrane
ENSG00000125835	SNRPB PPI subnetwork
REACTOME_NF:KB_IS_ACTIVATED_AND_SI(	REACTOME_NF:KB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL
ENSG00000211614	ENSG00000211614 PPI subnetwork
MP:0005153	abnormal B cell proliferation
ENSG00000198558	HIST1H4L PPI subnetwork
ENSG00000197238	HIST1H4J PPI subnetwork
ENSG00000188987	HIST1H4D PPI subnetwork
ENSG00000197061	HIST1H4C PPI subnetwork
ENSG00000198339	HIST1H4I PPI subnetwork
ENSG00000183941	HIST2H4A PPI subnetwork
ENSG00000124529	HIST1H4B PPI subnetwork
ENSG00000182217	HIST2H4B PPI subnetwork
ENSG00000196176	HIST1H4A PPI subnetwork
ENSG00000197914	HIST1H4K PPI subnetwork
ENSG00000158406	HIST1H4H PPI subnetwork
ENSG00000198518	HIST1H4E PPI subnetwork
ENSG00000197837	HIST4H4 PPI subnetwork
ENSG00000198327	HIST1H4F PPI subnetwork
ENSG00000182054	IDH2 PPI subnetwork
ENSG00000077348	EXOSC5 PPI subnetwork
ENSG00000116285	ERRFI1 PPI subnetwork
ENSG00000163283	ALPP PPI subnetwork
ENSG00000171421	MRPL36 PPI subnetwork
ENSG00000135744	AGT PPI subnetwork
ENSG00000107566	ERLIN1 PPI subnetwork
GO:0010469	regulation of receptor activity
ENSG00000156273	BACH1 PPI subnetwork
ENSG00000167110	GOLGA2 PPI subnetwork
MP:0004100	abnormal spinal cord interneuron morphology
ENSG00000170727	BOP1 PPI subnetwork
ENSG00000172172	MRPL13 PPI subnetwork
MP:0000564	syndactyly
REACTOME_ACTIVATION_OF_GENES_BY_A	REACTOME_ACTIVATION_OF_GENES_BY_ATF4
ENSG00000186318	BACE1 PPI subnetwork
ENSG00000196961	AP2A1 PPI subnetwork
GO:0045637	regulation of myeloid cell differentiation
ENSG00000174485	DENND4A PPI subnetwork
ENSG00000105618	PRPF31 PPI subnetwork
MP:0002655	abnormal keratinocyte morphology
ENSG00000136891	TEX10 PPI subnetwork
ENSG00000164587	RPS14 PPI subnetwork
MP:0003271	abnormal duodenum morphology

ENSG00000063244	U2AF2 PPI subnetwork
GO:0002699	positive regulation of immune effector process
GO:0055093	response to hyperoxia
ENSG00000173848	NET1 PPI subnetwork
ENSG00000030110	BAK1 PPI subnetwork
GO:0015939	pantothenate metabolic process
ENSG00000105664	COMP PPI subnetwork
KEGG_BASAL_CELL_CARCINOMA	KEGG_BASAL_CELL_CARCINOMA
ENSG00000137807	KIF23 PPI subnetwork
ENSG00000196911	KPNA5 PPI subnetwork
ENSG00000204390	HSPA1L PPI subnetwork
ENSG00000213658	LAT PPI subnetwork
ENSG00000112651	MRPL2 PPI subnetwork
ENSG00000147669	POLR2K PPI subnetwork
MP:0005296	abnormal humerus morphology
GO:0002062	chondrocyte differentiation
GO:0050865	regulation of cell activation
ENSG00000100902	PSMA6 PPI subnetwork
MP:0003345	decreased rib number
ENSG00000111880	RNGTT PPI subnetwork
ENSG00000165525	NEMF PPI subnetwork
GO:0030099	myeloid cell differentiation
GO:0030003	cellular cation homeostasis
GO:0050810	regulation of steroid biosynthetic process
ENSG00000188976	NOC2L PPI subnetwork
MP:0003945	abnormal lymphocyte physiology
GO:0016607	nuclear speck
ENSG00000129282	MRM1 PPI subnetwork
GO:0005024	transforming growth factor beta-activated receptor activity
GO:0060627	regulation of vesicle-mediated transport
ENSG00000165934	CPSF2 PPI subnetwork
ENSG00000143622	RIT1 PPI subnetwork
GO:0042058	regulation of epidermal growth factor receptor signaling pathv
GO:0001669	acrosomal vesicle
REACTOME_VIRAL_MESSENGER_RNA_SYNT	REACTOME_VIRAL_MESSENGER_RNA_SYNTHESIS
ENSG00000104626	ERI1 PPI subnetwork
GO:0070851	growth factor receptor binding
ENSG00000119616	FCF1 PPI subnetwork
MP:0004804	decreased susceptibility to autoimmune diabetes
GO:0005901	caveola
ENSG00000166197	NOLC1 PPI subnetwork
ENSG00000111845	PAK1IP1 PPI subnetwork
MP:0001973	increased thermal nociceptive threshold
REACTOME_SEMA4D_IN_SEMAPHORIN_SIC	REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING
GO:0017015	regulation of transforming growth factor beta receptor signali
ENSG00000184575	XPOT PPI subnetwork
MP:0002026	leukemia
GO:0048008	platelet-derived growth factor receptor signaling pathway
MP:0001802	arrested B cell differentiation
ENSG00000008710	PKD1 PPI subnetwork

KEGG_TYPE_II_DIABETES_MELLITUS	KEGG_TYPE_II_DIABETES_MELLITUS
ENSG00000125952	MAX PPI subnetwork
GO:0008080	N-acetyltransferase activity
ENSG00000182718	ANXA2 PPI subnetwork
GO:0035282	segmentation
GO:0007266	Rho protein signal transduction
GO:0070528	protein kinase C signaling cascade
GO:0005667	transcription factor complex
ENSG00000167088	SNRPD1 PPI subnetwork
ENSG00000066926	FECH PPI subnetwork
ENSG00000175189	INHBC PPI subnetwork
MP:0008719	impaired neutrophil recruitment
ENSG00000147145	LPAR4 PPI subnetwork
MP:0011106	partial embryonic lethality before somite formation
ENSG00000169710	FASN PPI subnetwork
ENSG00000107863	ARHGAP21 PPI subnetwork
ENSG00000213764	ENSG00000213764 PPI subnetwork
ENSG00000196459	TRAPPC2 PPI subnetwork
GO:0016780	phosphotransferase activity, for other substituted phosphate g
MP:0002764	short tibia
REACTOME_TRAF6_MEDIATED_NF:KB_ACT	REACTOME_TRAF6_MEDIATED_NF:KB_ACTIVATION
ENSG00000185736	ADARB2 PPI subnetwork
GO:0048732	gland development
GO:0030897	HOPS complex
MP:0003052	omphalocele
GO:0090101	negative regulation of transmembrane receptor protein serine
GO:0016045	detection of bacterium
REACTOME_ACTIVATED_AMPK_STIMULATE	REACTOME_ACTIVATED_AMPK_STIMULATES_FATTY:ACID_OX
ENSG00000135903	PAX3 PPI subnetwork
ENSG00000131469	RPL27 PPI subnetwork
ENSG00000113456	RAD1 PPI subnetwork
MP:0005441	increased urine calcium level
MP:0002335	decreased airway responsiveness
GO:0001676	long-chain fatty acid metabolic process
ENSG00000163602	RYBP PPI subnetwork
MP:0000371	diluted coat color
ENSG00000114942	EEF1B2 PPI subnetwork
ENSG00000111961	SASH1 PPI subnetwork
GO:0044452	nucleolar part
ENSG00000160094	ZNF362 PPI subnetwork
MP:0008042	abnormal NK T cell physiology
ENSG00000183520	UTP11L PPI subnetwork
REACTOME_TRAF6_MEDIATED_INDUCTION	REACTOME_TRAF6_MEDIATED_INDUCTION_OF_NFKB_AND_M
KEGG_ONE_CARBON_POOL_BY_FOLATE	KEGG_ONE_CARBON_POOL_BY_FOLATE
MP:0002657	chondrodystrophy
MP:0008217	abnormal B cell activation
MP:0000321	increased bone marrow cell number
ENSG00000166407	LMO1 PPI subnetwork
ENSG00000070882	OSBPL3 PPI subnetwork
REACTOME_SIGNALING_BY_NOTCH	REACTOME_SIGNALING_BY_NOTCH

MP:0002765	short fibula
ENSG00000003400	CASP10 PPI subnetwork
ENSG00000158691	ZSCAN12 PPI subnetwork
MP:0008497	decreased IgG2b level
ENSG00000157764	BRAF PPI subnetwork
ENSG00000103035	PSMD7 PPI subnetwork
REACTOME_GLUTATHIONE_SYNTHESIS_AN	REACTOME_GLUTATHIONE_SYNTHESIS_AND_RECYCLING
ENSG00000167670	CHAF1A PPI subnetwork
ENSG00000060688	SNRNP40 PPI subnetwork
ENSG00000184009	ACTG1 PPI subnetwork
ENSG00000187514	PTMA PPI subnetwork
GO:0030132	clathrin coat of coated pit
ENSG00000167658	EEF2 PPI subnetwork
ENSG00000084073	ZMPSTE24 PPI subnetwork
GO:0008544	epidermis development
GO:0005769	early endosome
GO:0015291	secondary active transmembrane transporter activity
GO:0080135	regulation of cellular response to stress
GO:0002683	negative regulation of immune system process
ENSG00000110987	BCL7A PPI subnetwork
ENSG00000113916	BCL6 PPI subnetwork
ENSG00000017260	ATP2C1 PPI subnetwork
ENSG00000124222	STX16 PPI subnetwork
ENSG00000173530	TNFRSF10D PPI subnetwork
ENSG00000127993	RBM48 PPI subnetwork
ENSG00000160007	ARHGAP35 PPI subnetwork
MP:0001925	male infertility
MP:0001847	brain inflammation
MP:0004215	abnormal myocardial fiber physiology
ENSG00000107560	RAB11FIP2 PPI subnetwork
ENSG00000141068	KSR1 PPI subnetwork
GO:0030128	clathrin coat of endocytic vesicle
MP:0005241	abnormal retinal ganglion layer morphology
GO:0045807	positive regulation of endocytosis
MP:0008578	decreased circulating interferon-gamma level
GO:0018279	protein N-linked glycosylation via asparagine
GO:0018196	peptidyl-asparagine modification
ENSG00000164167	LSM6 PPI subnetwork
ENSG00000179071	CCDC89 PPI subnetwork
REACTOME_SIGNALING_BY_BMP	REACTOME_SIGNALING_BY_BMP
ENSG00000172809	RPL38 PPI subnetwork
MP:0000783	abnormal forebrain morphology
ENSG00000196092	PAX5 PPI subnetwork
MP:0004704	short vertebral column
GO:0060560	developmental growth involved in morphogenesis
GO:0007159	leukocyte cell-cell adhesion
ENSG00000119285	HEATR1 PPI subnetwork
ENSG00000145833	DDX46 PPI subnetwork
GO:0009948	anterior/posterior axis specification
REACTOME_ACTIVATION_OF_THE_AP:1_FA	REACTOME_ACTIVATION_OF_THE_AP:1_FAMILY_OF_TRANSC

MP:0002398	abnormal bone marrow cell morphology/development
ENSG00000197958	RPL12 PPI subnetwork
GO:0003382	epithelial cell morphogenesis
ENSG00000078900	TP73 PPI subnetwork
ENSG00000139687	RB1 PPI subnetwork
MP:0004448	abnormal presphenoid bone morphology
ENSG00000126945	HNRNPH2 PPI subnetwork
ENSG00000075651	PLD1 PPI subnetwork
ENSG00000147383	NSDHL PPI subnetwork
GO:0070848	response to growth factor stimulus
ENSG00000204221	WDR46 PPI subnetwork
ENSG00000206284	WDR46 PPI subnetwork
ENSG00000110700	RPS13 PPI subnetwork
GO:0030513	positive regulation of BMP signaling pathway
MP:0001340	abnormal eyelid morphology
GO:0031490	chromatin DNA binding
MP:0006108	abnormal hindbrain development
GO:0004549	tRNA-specific ribonuclease activity
ENSG00000137752	CASP1 PPI subnetwork
ENSG00000102241	HTATSF1 PPI subnetwork
ENSG00000133740	E2F5 PPI subnetwork
GO:0009266	response to temperature stimulus
GO:0007498	mesoderm development
ENSG00000118513	MYB PPI subnetwork
ENSG00000108651	UTP6 PPI subnetwork
ENSG00000198742	SMURF1 PPI subnetwork
ENSG00000104689	TNFRSF10A PPI subnetwork
ENSG00000139567	ACVRL1 PPI subnetwork
MP:0002972	abnormal cardiac muscle contractility
ENSG00000123064	DDX54 PPI subnetwork
GO:0003690	double-stranded DNA binding
REACTOME_NUCLEAR_IMPORT_OF_REV_PI	REACTOME_NUCLEAR_IMPORT_OF_REV_PROTEIN
ENSG00000196954	CASP4 PPI subnetwork
REACTOME_MRNA_SPLICING_:_MINOR_PA	REACTOME_MRNA_SPLICING_:_MINOR_PATHWAY
MP:0001523	impaired righting response
ENSG00000166441	RPL27A PPI subnetwork
GO:0000097	sulfur amino acid biosynthetic process
REACTOME_INTERLEUKIN:7_SIGNALING	REACTOME_INTERLEUKIN:7_SIGNALING
GO:0071855	neuropeptide receptor binding
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_	KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLI
ENSG00000163166	IWS1 PPI subnetwork
ENSG00000136628	EPRS PPI subnetwork
GO:0048729	tissue morphogenesis
REACTOME_TIGHT_JUNCTION_INTERACTIO	REACTOME_TIGHT_JUNCTION_INTERACTIONS
KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_(	KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI_ANCHOR_BIOS
MP:0008079	decreased CD8-positive T cell number
MP:0009790	decreased susceptibility to viral infection induced morbidity/m
ENSG00000114867	EIF4G1 PPI subnetwork
ENSG00000007816	ENSG00000007816 PPI subnetwork
GO:0060350	endochondral bone morphogenesis

GO:0045669	positive regulation of osteoblast differentiation
ENSG00000184226	PCDH9 PPI subnetwork
ENSG00000011243	AKAP8L PPI subnetwork
ENSG00000118194	TNNT2 PPI subnetwork
ENSG00000198033	TUBA3C PPI subnetwork
ENSG00000075886	TUBA3D PPI subnetwork
MP:0001353	increased aggression towards mice
MP:0003109	short femur
ENSG00000125845	BMP2 PPI subnetwork
REACTOME_REGULATION_OF_PYRUVATE_[	REACTOME_REGULATION_OF_PYRUVATE_DEHYDROGENASE_
ENSG00000086758	HUWE1 PPI subnetwork
GO:0071706	tumor necrosis factor superfamily cytokine production
GO:0048754	branching morphogenesis of a tube
ENSG00000159063	ALG8 PPI subnetwork
ENSG00000105173	CCNE1 PPI subnetwork
ENSG00000125378	BMP4 PPI subnetwork
GO:0071887	leukocyte apoptotic process
MP:0003628	abnormal leukocyte adhesion
MP:0006027	impaired lung alveolus development
ENSG00000183625	CCR3 PPI subnetwork
GO:0004713	protein tyrosine kinase activity
ENSG00000077380	DYNC1I2 PPI subnetwork
MP:0002786	abnormal Leydig cell morphology
MP:0001689	incomplete somite formation
MP:0000559	abnormal femur morphology
ENSG00000139496	NUPL1 PPI subnetwork
ENSG00000122965	RBM19 PPI subnetwork
GO:0032680	regulation of tumor necrosis factor production
GO:0032640	tumor necrosis factor production
REACTOME_PROCESSING_OF_INTRONLESS_	REACTOME_PROCESSING_OF_INTRONLESS_PRE:MRNAS
REACTOME_CELL:CELL_COMMUNICATION	REACTOME_CELL:CELL_COMMUNICATION
MP:0006011	abnormal endolymphatic duct morphology
GO:0021915	neural tube development
GO:0031902	late endosome membrane
ENSG00000215301	DDX3X PPI subnetwork
GO:0031669	cellular response to nutrient levels
REACTOME_NEUROTRANSMITTER_RELEASE	REACTOME_NEUROTRANSMITTER_RELEASE_CYCLE
MP:0005438	abnormal glycogen homeostasis
MP:0005107	abnormal stapes morphology
GO:0005923	tight junction
GO:0070160	occluding junction
ENSG00000137709	POU2F3 PPI subnetwork
MP:0001132	absent mature ovarian follicles
GO:0043568	positive regulation of insulin-like growth factor receptor signal
ENSG00000058262	SEC61A1 PPI subnetwork
ENSG00000163362	C1orf106 PPI subnetwork
GO:0003002	regionalization
ENSG00000010256	UQCRC1 PPI subnetwork
ENSG00000177606	JUN PPI subnetwork
ENSG00000177283	FZD8 PPI subnetwork

ENSG00000205250	E2F4 PPI subnetwork
ENSG00000132603	NIP7 PPI subnetwork
GO:0008047	enzyme activator activity
ENSG00000111676	ATN1 PPI subnetwork
GO:0042742	defense response to bacterium
ENSG00000145907	G3BP1 PPI subnetwork
MP:0003997	tonic-clonic seizures
GO:0006071	glycerol metabolic process
REACTOME_CELL_JUNCTION_ORGANIZATIC	REACTOME_CELL_JUNCTION_ORGANIZATION
ENSG00000113558	SKP1 PPI subnetwork
KEGG_PROXIMAL_TUBULE_BICARBONATE_	KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION
ENSG00000092199	HNRNPC PPI subnetwork
ENSG00000181656	GPR88 PPI subnetwork
KEGG_AXON_GUIDANCE	KEGG_AXON_GUIDANCE
GO:0015926	glucosidase activity
ENSG00000133316	WDR74 PPI subnetwork
MP:0004486	decreased response of heart to induced stress
ENSG00000090060	PAPOLA PPI subnetwork
REACTOME_CYCLIN_D_ASSOCIATED_EVENT	REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1
REACTOME_G1_PHASE	REACTOME_G1_PHASE
MP:0005650	abnormal limb bud morphology
MP:0002100	abnormal tooth morphology
GO:0015837	amine transport
GO:0006487	protein N-linked glycosylation
ENSG00000129219	PLD2 PPI subnetwork
GO:0006625	protein targeting to peroxisome
GO:0072662	protein localization to peroxisome
GO:0072663	establishment of protein localization to peroxisome
ENSG00000170889	RPS9 PPI subnetwork
MP:0001312	abnormal cornea morphology
ENSG00000127920	GNG11 PPI subnetwork
GO:0043123	positive regulation of I-kappaB kinase/NF-kappaB cascade
ENSG00000163811	WDR43 PPI subnetwork
MP:0001240	abnormal epidermis stratum corneum morphology
ENSG00000127334	DYRK2 PPI subnetwork
ENSG00000196591	HDAC2 PPI subnetwork
GO:0031985	Golgi cisterna
ENSG00000145220	LYAR PPI subnetwork
ENSG00000170144	HNRNPA3 PPI subnetwork
GO:0008305	integrin complex
ENSG00000163636	PSMD6 PPI subnetwork
MP:0008495	decreased IgG1 level
MP:0002929	abnormal bile duct development
REACTOME_CELL:CELL_JUNCTION_ORGANI	REACTOME_CELL:CELL_JUNCTION_ORGANIZATION
GO:0006555	methionine metabolic process
GO:0048705	skeletal system morphogenesis
MP:0004098	abnormal cerebellar granule cell morphology
GO:0008375	acetylglucosaminyltransferase activity
ENSG00000171475	WIPF2 PPI subnetwork
ENSG00000151914	DST PPI subnetwork

ENSG00000186868	MAPT PPI subnetwork
GO:0060479	lung cell differentiation
GO:0009116	nucleoside metabolic process
GO:0043535	regulation of blood vessel endothelial cell migration
ENSG00000120899	PTK2B PPI subnetwork
ENSG00000007174	DNAH9 PPI subnetwork
ENSG00000073756	PTGS2 PPI subnetwork
GO:0005720	nuclear heterochromatin
GO:0006505	GPI anchor metabolic process
ENSG00000009790	TRAF3IP3 PPI subnetwork
REACTOME_P75NTR_SIGNALS_VIA_NF:KB	REACTOME_P75NTR_SIGNALS_VIA_NF:KB
GO:0015850	organic alcohol transport
ENSG00000095015	MAP3K1 PPI subnetwork
ENSG00000168477	TNXB PPI subnetwork
GO:0017053	transcriptional repressor complex
ENSG00000123612	ACVR1C PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GLOBO_SERIES
GO:0070372	regulation of ERK1 and ERK2 cascade
MP:0008332	decreased lactotroph cell number
GO:0016604	nuclear body
GO:0001569	patterning of blood vessels
ENSG00000075618	FSCN1 PPI subnetwork
GO:0006000	fructose metabolic process
ENSG00000138802	SEC24B PPI subnetwork
MP:0001158	abnormal prostate gland morphology
REACTOME_INTERLEUKIN:3_5_AND_GM:CS	REACTOME_INTERLEUKIN:3_5_AND_GM:CSF_SIGNALING
GO:0001702	gastrulation with mouth forming second
ENSG00000085872	CHERP PPI subnetwork
MP:0009172	small pancreatic islets
GO:0071013	catalytic step 2 spliceosome
ENSG00000020577	SAMD4A PPI subnetwork
ENSG00000163510	CWC22 PPI subnetwork
ENSG00000168066	SF1 PPI subnetwork
ENSG00000107937	GTPBP4 PPI subnetwork
ENSG00000134215	VAV3 PPI subnetwork
GO:0031640	killing of cells of other organism
ENSG00000137656	BUD13 PPI subnetwork
ENSG00000115946	PNO1 PPI subnetwork
ENSG00000144218	AFF3 PPI subnetwork
ENSG00000173894	CBX2 PPI subnetwork
ENSG00000157766	ACAN PPI subnetwork
GO:0005003	ephrin receptor activity
ENSG00000166411	IDH3A PPI subnetwork
ENSG00000155380	SLC16A1 PPI subnetwork
ENSG00000041357	PSMA4 PPI subnetwork
MP:0001655	multifocal hepatic necrosis
ENSG00000106125	FAM188B PPI subnetwork
GO:0042641	actomyosin
ENSG00000169031	COL4A3 PPI subnetwork
ENSG00000130589	RP4-697K14.7 PPI subnetwork

ENSG00000143373	ZNF687 PPI subnetwork
MP:0000470	abnormal stomach morphology
ENSG00000189283	FHIT PPI subnetwork
GO:0030666	endocytic vesicle membrane
GO:0007041	lysosomal transport
GO:0009066	aspartate family amino acid metabolic process
ENSG00000130762	ARHGEF16 PPI subnetwork
ENSG00000204569	PPP1R10 PPI subnetwork
ENSG00000206407	ENSG00000206407 PPI subnetwork
ENSG00000206489	PPP1R10 PPI subnetwork
GO:0030864	cortical actin cytoskeleton
ENSG00000087269	NOP14 PPI subnetwork
MP:0001929	abnormal gametogenesis
GO:0019827	stem cell maintenance
ENSG00000130939	UBE4B PPI subnetwork
GO:0008565	protein transporter activity
MP:0004617	sacral vertebral transformation
GO:0030183	B cell differentiation
ENSG00000133104	SPG20 PPI subnetwork
GO:0001948	glycoprotein binding
MP:0000285	abnormal heart valve morphology
ENSG00000074071	MRPS34 PPI subnetwork
REACTOME_TRANSCRIPTION	REACTOME_TRANSCRIPTION
ENSG00000173366	ENSG00000173366 PPI subnetwork
MP:0000427	abnormal hair cycle
MP:0005090	increased double-negative T cell number
MP:0000753	paralysis
MP:0008658	decreased interleukin-1 beta secretion
ENSG00000100028	SNRPD3 PPI subnetwork
MP:0011290	decreased nephron number
MP:0003120	abnormal tracheal cartilage morphology
ENSG00000162419	GMEB1 PPI subnetwork
GO:0015114	phosphate ion transmembrane transporter activity
ENSG00000124383	MPHOSPH10 PPI subnetwork
ENSG00000184897	H1FX PPI subnetwork
MP:0003205	testicular atrophy
ENSG00000139372	TDG PPI subnetwork
ENSG00000139505	MTMR6 PPI subnetwork
GO:0048332	mesoderm morphogenesis
ENSG00000104812	GYS1 PPI subnetwork
ENSG00000172379	ARNT2 PPI subnetwork
ENSG00000118965	WDR35 PPI subnetwork
MP:0006395	abnormal epiphyseal plate morphology
GO:0006378	mRNA polyadenylation
ENSG00000119953	SMNDC1 PPI subnetwork
GO:0042588	zymogen granule
ENSG00000168090	COPS6 PPI subnetwork
GO:0043236	laminin binding
REACTOME_A_THIRD_PROTEOLYTIC_CLEAV	REACTOME_A_THIRD_PROTEOLYTIC_CLEAVAGE_RELEASES_N
ENSG00000000938	FGR PPI subnetwork

ENSG00000188229	TUBB4B PPI subnetwork
ENSG00000184083	FAM120C PPI subnetwork
GO:0022627	cytosolic small ribosomal subunit
MP:0000527	abnormal kidney development
GO:0002440	production of molecular mediator of immune response
GO:0007494	midgut development
MP:0001606	impaired hematopoiesis
ENSG00000184216	IRAK1 PPI subnetwork
GO:2000177	regulation of neural precursor cell proliferation
MP:0001106	abnormal Schwann cell morphology
ENSG00000008083	JARID2 PPI subnetwork
ENSG00000178568	ERBB4 PPI subnetwork
ENSG00000185591	SP1 PPI subnetwork
ENSG00000120800	UTP20 PPI subnetwork
GO:0010720	positive regulation of cell development
GO:0030593	neutrophil chemotaxis
MP:0001191	abnormal skin condition
ENSG00000108515	ENO3 PPI subnetwork
GO:0022037	metencephalon development
ENSG00000105127	AKAP8 PPI subnetwork
ENSG00000148303	RPL7A PPI subnetwork
GO:0005578	proteinaceous extracellular matrix
ENSG00000089902	RCOR1 PPI subnetwork
ENSG00000181090	EHMT1 PPI subnetwork
KEGG_CELL_ADHESION_MOLECULES_CAMS	KEGG_CELL_ADHESION_MOLECULES_CAMS
ENSG00000007392	LUC7L PPI subnetwork
ENSG00000106483	SFRP4 PPI subnetwork
ENSG00000104332	SFRP1 PPI subnetwork
ENSG00000120057	SFRP5 PPI subnetwork
MP:0000552	abnormal radius morphology
ENSG00000169251	NMD3 PPI subnetwork
ENSG00000188064	WNT7B PPI subnetwork
GO:0008643	carbohydrate transport
ENSG00000163002	NUP35 PPI subnetwork
ENSG00000116809	ZBTB17 PPI subnetwork
MP:0002465	abnormal eosinophil physiology
ENSG00000103343	ZNF174 PPI subnetwork
MP:0002731	megacolon
ENSG00000180855	ZNF443 PPI subnetwork
ENSG00000137673	MMP7 PPI subnetwork
MP:0001762	polyuria
GO:0002718	regulation of cytokine production involved in immune respons
REACTOME_IRAK2_MEDIATED_ACTIVATION	REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMP
GO:0042531	positive regulation of tyrosine phosphorylation of STAT protei
ENSG00000186416	NKRF PPI subnetwork
MP:0000005	increased brown adipose tissue amount
ENSG00000169249	ZRSR2 PPI subnetwork
MP:0005598	decreased ventricle muscle contractility
ENSG00000084754	HADHA PPI subnetwork
REACTOME_DOWNSTREAM_SIGNALING_OI	REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGF

REACTOME_INSULIN_RECEPTOR_SIGNALLIN	REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCADE
ENSG00000150459	SAP18 PPI subnetwork
ENSG00000146587	RBAK PPI subnetwork
ENSG00000076555	ACACB PPI subnetwork
GO:0046328	regulation of JNK cascade
GO:0031984	organelle subcompartment
GO:0060412	ventricular septum morphogenesis
GO:0007249	I-kappaB kinase/NF-kappaB cascade
ENSG00000174766	ENSG00000174766 PPI subnetwork
ENSG00000212802	ENSG00000212802 PPI subnetwork
GO:0034329	cell junction assembly
GO:0004115	3',5'-cyclic-AMP phosphodiesterase activity
MP:0003043	hypoalgesia
GO:0035019	somatic stem cell maintenance
ENSG00000147274	RBMX PPI subnetwork
GO:0030509	BMP signaling pathway
ENSG00000173566	NUDT18 PPI subnetwork
ENSG00000131269	ABCB7 PPI subnetwork
ENSG00000215902	ENSG00000215902 PPI subnetwork
ENSG00000095139	ARCN1 PPI subnetwork
MP:0002184	abnormal innervation
ENSG00000108604	SMARCD2 PPI subnetwork
KEGG_SPLICEOSOME	KEGG_SPLICEOSOME
MP:0004190	abnormal direction of embryo turning
ENSG00000106397	PLOD3 PPI subnetwork
MP:0003222	increased cardiomyocyte apoptosis
MP:0006000	abnormal corneal epithelium morphology
MP:0000872	abnormal cerebellum external granule cell layer morphology
ENSG00000138750	NUP54 PPI subnetwork
GO:0042054	histone methyltransferase activity
GO:0007040	lysosome organization
ENSG00000140262	TCF12 PPI subnetwork
ENSG00000212866	HSPA1B PPI subnetwork
ENSG00000215292	ENSG00000215292 PPI subnetwork
ENSG00000204389	HSPA1A PPI subnetwork
ENSG00000204388	HSPA1B PPI subnetwork
ENSG00000212860	ENSG00000212860 PPI subnetwork
MP:0001177	atelectasis
ENSG00000136153	LMO7 PPI subnetwork
ENSG00000179364	PACS2 PPI subnetwork
REACTOME_BASIGIN_INTERACTIONS	REACTOME_BASIGIN_INTERACTIONS
MP:0000269	abnormal heart looping
GO:0048708	astrocyte differentiation
REACTOME_ADHERENS_JUNCTIONS_INTER	REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS
ENSG00000068438	FTSJ1 PPI subnetwork
GO:0050680	negative regulation of epithelial cell proliferation
ENSG00000118181	RPS25 PPI subnetwork
MP:0005016	decreased lymphocyte cell number
ENSG00000146701	MDH2 PPI subnetwork
GO:0007250	activation of NF-kappaB-inducing kinase activity

GO:0015012	heparan sulfate proteoglycan biosynthetic process
ENSG00000071894	CPSF1 PPI subnetwork
MP:0002260	abnormal thyroid cartilage morphology
ENSG00000186810	CXCR3 PPI subnetwork
ENSG00000134371	CDC73 PPI subnetwork
ENSG00000164403	SHROOM1 PPI subnetwork
ENSG00000099399	MAGEB2 PPI subnetwork
GO:0009108	coenzyme biosynthetic process
ENSG00000172766	NAA16 PPI subnetwork
MP:0005102	abnormal iris pigmentation
ENSG00000111275	ALDH2 PPI subnetwork
MP:0000520	absent kidney
REACTOME_G_ALPHA_I_SIGNALLING_EVEN	REACTOME_G_ALPHA_I_SIGNALLING_EVENTS
ENSG00000118705	RPN2 PPI subnetwork
ENSG00000102225	CDK16 PPI subnetwork
MP:0002722	abnormal immune system organ morphology
ENSG00000148377	IDI2 PPI subnetwork
ENSG00000153046	CDYL PPI subnetwork
KEGG_CYTOSOLIC_DNA_SENSING_PATHWA	KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
ENSG00000100109	TFIP11 PPI subnetwork
ENSG00000123836	PFKFB2 PPI subnetwork
MP:0003339	decreased pancreatic beta cell number
ENSG00000165030	NFIL3 PPI subnetwork
GO:0001706	endoderm formation
ENSG00000158417	EIF5B PPI subnetwork
ENSG00000105372	RPS19 PPI subnetwork
ENSG00000175634	RPS6KB2 PPI subnetwork
ENSG00000129460	NGDN PPI subnetwork
MP:0005326	abnormal podocyte morphology
REACTOME_PI3K_CASCADE	REACTOME_PI3K_CASCADE
GO:0042088	T-helper 1 type immune response
MP:0002123	abnormal hematopoiesis
MP:0010454	abnormal truncus arteriosus septation
ENSG00000163682	RPL9 PPI subnetwork
ENSG00000182754	ENSG00000182754 PPI subnetwork
GO:0007044	cell-substrate junction assembly
ENSG00000148719	DNAJB12 PPI subnetwork
ENSG00000198959	TGM2 PPI subnetwork
GO:0042104	positive regulation of activated T cell proliferation
ENSG00000105248	CCDC94 PPI subnetwork
ENSG00000074047	GLI2 PPI subnetwork
ENSG00000101146	RAE1 PPI subnetwork
ENSG00000120158	RCL1 PPI subnetwork
ENSG00000160213	CSTB PPI subnetwork
ENSG00000186842	ENSG00000186842 PPI subnetwork
GO:0001619	lysosphingolipid and lysophosphatidic acid receptor activity
GO:0000287	magnesium ion binding
ENSG00000125266	EFNB2 PPI subnetwork
ENSG00000118402	ELOVL4 PPI subnetwork
ENSG00000153914	SREK1 PPI subnetwork

GO:0042542	response to hydrogen peroxide
REACTOME_NEPNS2_INTERACTS_WITH_TH	REACTOME_NEPNS2_INTERACTS_WITH_THE_CELLULAR_EXPC
ENSG00000113360	DROSHA PPI subnetwork
GO:0006091	generation of precursor metabolites and energy
ENSG00000120087	HOXB7 PPI subnetwork
GO:0016279	protein-lysine N-methyltransferase activity
GO:0016278	lysine N-methyltransferase activity
ENSG00000214026	MRPL23 PPI subnetwork
ENSG00000102145	GATA1 PPI subnetwork
GO:0055072	iron ion homeostasis
GO:0002367	cytokine production involved in immune response
MP:0001363	increased anxiety-related response
MP:0009886	failure of palatal shelf elevation
ENSG00000115677	HDLBP PPI subnetwork
ENSG00000168255	POLR2J3 PPI subnetwork
ENSG00000197373	ENSG00000197373 PPI subnetwork
KEGG_ENDOMETRIAL_CANCER	KEGG_ENDOMETRIAL_CANCER
GO:0031968	organelle outer membrane
MP:0005122	increased circulating thyroid-stimulating hormone level
MP:0002458	abnormal B cell number
GO:0016922	ligand-dependent nuclear receptor binding
ENSG00000101040	ZMYND8 PPI subnetwork
ENSG00000181222	POLR2A PPI subnetwork
GO:0045638	negative regulation of myeloid cell differentiation
ENSG00000065361	ERBB3 PPI subnetwork
ENSG00000141506	PIK3R5 PPI subnetwork
ENSG00000185057	ENSG00000185057 PPI subnetwork
MP:0008481	increased spleen germinal center number
ENSG00000154342	WNT3A PPI subnetwork
GO:0045907	positive regulation of vasoconstriction
ENSG00000132182	NUP210 PPI subnetwork
GO:0042310	vasoconstriction
ENSG00000025293	PHF20 PPI subnetwork
REACTOME_TRAF6_MEDIATED_IRF7_ACTIV	REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION
ENSG00000196497	IPO4 PPI subnetwork
GO:0015980	energy derivation by oxidation of organic compounds
ENSG00000134308	YWHAQ PPI subnetwork
ENSG00000139269	INHBE PPI subnetwork
GO:0071901	negative regulation of protein serine/threonine kinase activity
ENSG00000132470	ITGB4 PPI subnetwork
ENSG00000204351	SKIV2L PPI subnetwork
ENSG00000206267	ENSG00000206267 PPI subnetwork
MP:0000688	lymphoid hyperplasia
MP:0000703	abnormal thymus morphology
ENSG00000205609	EIF3CL PPI subnetwork
MP:0008720	impaired neutrophil chemotaxis
MP:0005333	decreased heart rate
ENSG00000064547	LPAR2 PPI subnetwork
GO:0050866	negative regulation of cell activation
ENSG00000140009	ESR2 PPI subnetwork

MP:0008511	thin retinal inner nuclear layer
ENSG00000159166	LAD1 PPI subnetwork
ENSG00000143393	PI4KB PPI subnetwork
GO:0006096	glycolysis
ENSG00000117395	EBNA1BP2 PPI subnetwork
GO:0045429	positive regulation of nitric oxide biosynthetic process
GO:0046658	anchored to plasma membrane
GO:0002673	regulation of acute inflammatory response
ENSG00000090470	PDCD7 PPI subnetwork
GO:0016791	phosphatase activity
ENSG00000137936	BCAR3 PPI subnetwork
ENSG00000170522	ELOVL6 PPI subnetwork
KEGG_INTESTINAL_IMMUNE_NETWORK_FC	KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTI
ENSG00000147439	BIN3 PPI subnetwork
REACTOME_PI3KAKT_ACTIVATION	REACTOME_PI3KAKT_ACTIVATION
ENSG00000196586	MYO6 PPI subnetwork
GO:0016408	C-acyltransferase activity
GO:0000982	RNA polymerase II core promoter proximal region sequence-s
ENSG00000165029	ABCA1 PPI subnetwork
ENSG00000165025	SYK PPI subnetwork
ENSG00000196535	MYO18A PPI subnetwork
ENSG00000130803	ZNF317 PPI subnetwork
ENSG00000091073	ENSG00000091073 PPI subnetwork
REACTOME_CASPASE:MEDIATED_CLEAVAG	REACTOME_CASPASE:MEDIATED_CLEAVAGE_OF_CYTOSKELET
ENSG00000171992	SYNPO PPI subnetwork
ENSG00000077312	SNRPA PPI subnetwork
GO:0033116	endoplasmic reticulum-Golgi intermediate compartment mem
GO:0005540	hyaluronic acid binding
ENSG00000112062	MAPK14 PPI subnetwork
ENSG00000070759	TESK2 PPI subnetwork
ENSG00000130382	MLLT1 PPI subnetwork
GO:0002792	negative regulation of peptide secretion
ENSG00000067334	DNTTIP2 PPI subnetwork
ENSG00000105221	AKT2 PPI subnetwork
MP:0010769	abnormal survival
ENSG00000115596	WNT6 PPI subnetwork
ENSG00000131051	RBM39 PPI subnetwork
ENSG00000120694	HSPH1 PPI subnetwork
GO:0015872	dopamine transport
ENSG00000164086	DUSP7 PPI subnetwork
ENSG00000198034	RPS4X PPI subnetwork
GO:0032269	negative regulation of cellular protein metabolic process
GO:0010470	regulation of gastrulation
MP:0000154	rib fusion
ENSG00000169021	UQCRFS1 PPI subnetwork
ENSG00000124813	RUNX2 PPI subnetwork
GO:0010721	negative regulation of cell development
ENSG00000136807	CDK9 PPI subnetwork
GO:0070371	ERK1 and ERK2 cascade
ENSG00000108854	SMURF2 PPI subnetwork

ENSG00000128833	MYO5C PPI subnetwork
MP:0000920	abnormal myelination
ENSG00000078808	SDF4 PPI subnetwork
ENSG00000175166	PSMD2 PPI subnetwork
GO:0048010	vascular endothelial growth factor receptor signaling pathway
MP:0003648	abnormal radial glial cell morphology
ENSG00000198001	IRAK4 PPI subnetwork
ENSG00000109971	HSPA8 PPI subnetwork
MP:0008215	decreased immature B cell number
ENSG00000140319	SRP14 PPI subnetwork
GO:0042558	pteridine-containing compound metabolic process
MP:0001384	abnormal pup retrieval
ENSG00000087303	NID2 PPI subnetwork
ENSG00000134882	UBAC2 PPI subnetwork
KEGG_LEUKOCYTE_TRANSENDOTHELIAL_M	KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION
MP:0006280	abnormal digit development
GO:0008301	DNA binding, bending
ENSG00000197892	KIF13B PPI subnetwork
ENSG00000073910	FRY PPI subnetwork
ENSG00000198265	HELZ PPI subnetwork
ENSG00000089597	GANAB PPI subnetwork
ENSG00000213341	CHUK PPI subnetwork
GO:0051028	mRNA transport
GO:0019867	outer membrane
MP:0002183	gliosis
MP:0002492	decreased IgE level
ENSG00000097007	ABL1 PPI subnetwork
REACTOME_REGULATION_OF_IFNA_SIGNA	REACTOME_REGULATION_OF_IFNA_SIGNALING
MP:0002058	neonatal lethality
MP:0000832	abnormal thalamus morphology
MP:0008522	abnormal lymph node germinal center morphology
ENSG00000155957	TMBIM4 PPI subnetwork
MP:0011386	increased metanephric mesenchyme apoptosis
ENSG00000108107	RPL28 PPI subnetwork
MP:0001629	abnormal heart rate
MP:0006032	abnormal ureteric bud morphology
MP:0001714	absent trophoblast giant cells
REACTOME_CHOLESTEROL_BIOSYNTHESIS	REACTOME_CHOLESTEROL_BIOSYNTHESIS
ENSG00000109519	GRPEL1 PPI subnetwork
GO:0042147	retrograde transport, endosome to Golgi
MP:0003542	abnormal vascular endothelial cell development
GO:0048551	metalloenzyme inhibitor activity
GO:0008191	metalloendopeptidase inhibitor activity
ENSG00000101144	BMP7 PPI subnetwork
ENSG00000112640	PPP2R5D PPI subnetwork
MP:0001322	abnormal iris morphology
MP:0010264	increased hepatoma incidence
ENSG00000154143	PANX3 PPI subnetwork
GO:0006406	mRNA export from nucleus
GO:0060393	regulation of pathway-restricted SMAD protein phosphorylatic

GO:0046649	lymphocyte activation
ENSG00000182367	ENSG00000182367 PPI subnetwork
GO:0060284	regulation of cell development
ENSG00000206206	DAXX PPI subnetwork
ENSG00000204209	DAXX PPI subnetwork
ENSG00000206279	DAXX PPI subnetwork
ENSG00000121486	TRMT1L PPI subnetwork
ENSG00000136243	NUPL2 PPI subnetwork
MP:0000628	abnormal mammary gland development
ENSG00000100603	SNW1 PPI subnetwork
MP:0002672	abnormal branchial arch artery morphology
ENSG00000140564	FURIN PPI subnetwork
ENSG00000171566	PLRG1 PPI subnetwork
ENSG00000124535	WRNIP1 PPI subnetwork
ENSG00000100697	DICER1 PPI subnetwork
ENSG00000142655	PEX14 PPI subnetwork
ENSG00000130396	MLLT4 PPI subnetwork
ENSG00000173418	NAA20 PPI subnetwork
GO:0046459	short-chain fatty acid metabolic process
ENSG00000129214	SHBG PPI subnetwork
GO:0048041	focal adhesion assembly
MP:0001325	abnormal retina morphology
GO:0050840	extracellular matrix binding
GO:0032320	positive regulation of Ras GTPase activity
ENSG00000035862	TIMP2 PPI subnetwork
GO:0071214	cellular response to abiotic stimulus
MP:0000284	double outlet heart right ventricle
GO:0090276	regulation of peptide hormone secretion
GO:0016328	lateral plasma membrane
ENSG00000099817	POLR2E PPI subnetwork
GO:0008528	G-protein coupled peptide receptor activity
GO:0010543	regulation of platelet activation
ENSG00000164305	CASP3 PPI subnetwork
ENSG00000058600	POLR3E PPI subnetwork
GO:0035924	cellular response to vascular endothelial growth factor stimulu
ENSG00000163882	POLR2H PPI subnetwork
ENSG00000067606	PRKCZ PPI subnetwork
GO:0060420	regulation of heart growth
GO:0004859	phospholipase inhibitor activity
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_T
REACTOME_NONSENSE:MEDIATED_DECAY	REACTOME_NONSENSE:MEDIATED_DECAY
ENSG00000087191	PSMC5 PPI subnetwork
GO:0006403	RNA localization
GO:0001653	peptide receptor activity
GO:0001974	blood vessel remodeling
ENSG00000138835	RGS3 PPI subnetwork
GO:0051236	establishment of RNA localization
GO:0050657	nucleic acid transport
GO:0050658	RNA transport
ENSG00000168002	POLR2G PPI subnetwork

MP:0004045	abnormal cell cycle checkpoint function
REACTOME_EXPORT_OF_VIRAL_RIBONUCL	REACTOME_EXPORT_OF_VIRAL_RIBONUCLEOPROTEINS_FRO
MP:0000351	increased cell proliferation
ENSG00000105723	GSK3A PPI subnetwork
MP:0000410	waved hair
MP:0006380	abnormal spermatid morphology
KEGG_SELENOAMINO_ACID_METABOLISM	KEGG_SELENOAMINO_ACID_METABOLISM
ENSG00000133056	PIK3C2B PPI subnetwork
ENSG00000140600	SH3GL3 PPI subnetwork
MP:0000164	abnormal cartilage development
GO:0046320	regulation of fatty acid oxidation
ENSG00000106991	ENG PPI subnetwork
ENSG00000135424	ITGA7 PPI subnetwork
ENSG00000088256	GNA11 PPI subnetwork
ENSG00000082258	CCNT2 PPI subnetwork
ENSG00000092847	EIF2C1 PPI subnetwork
ENSG00000100029	PES1 PPI subnetwork
MP:0000787	abnormal telencephalon morphology
GO:0004222	metalloendopeptidase activity
MP:0001422	abnormal drinking behavior
MP:0000709	enlarged thymus
ENSG00000188419	CHM PPI subnetwork
MP:0005617	increased susceptibility to type IV hypersensitivity reaction
MP:0008148	abnormal rib-sternum attachment
REACTOME_REGULATION_OF_IFNG_SIGNA	REACTOME_REGULATION_OF_IFNG_SIGNALING
GO:0048557	embryonic digestive tract morphogenesis
GO:0007034	vacuolar transport
GO:0003727	single-stranded RNA binding
ENSG00000131459	GFPT2 PPI subnetwork
ENSG00000115233	PSMD14 PPI subnetwork
ENSG00000185513	L3MBTL1 PPI subnetwork
GO:0000785	chromatin
ENSG00000157916	RER1 PPI subnetwork
REACTOME_PURINE_METABOLISM	REACTOME_PURINE_METABOLISM
REACTOME_CLATHRIN_DERIVED_VESICLE_I	REACTOME_CLATHRIN_DERIVED_VESICLE_BUDDING
REACTOME_TRANS:GOLGI_NETWORK_VESI	REACTOME_TRANS:GOLGI_NETWORK_VESICLE_BUDDING
MP:0009142	decreased prepulse inhibition
ENSG00000104313	EYA1 PPI subnetwork
MP:0001436	abnormal suckling behavior
ENSG00000135069	PSAT1 PPI subnetwork
GO:0090087	regulation of peptide transport
GO:0002791	regulation of peptide secretion
MP:0000048	abnormal stria vascularis morphology
ENSG00000168502	CCDC165 PPI subnetwork
GO:0015929	hexosaminidase activity
GO:0051262	protein tetramerization
ENSG00000144029	MRPS5 PPI subnetwork
ENSG00000167978	SRRM2 PPI subnetwork
ENSG00000127445	PIN1 PPI subnetwork
MP:0003156	abnormal leukocyte migration

GO:0042056	chemoattractant activity
ENSG00000094914	AAAS PPI subnetwork
ENSG00000136997	MYC PPI subnetwork
GO:0051937	catecholamine transport
GO:0005201	extracellular matrix structural constituent
GO:0030516	regulation of axon extension
ENSG00000188763	FZD9 PPI subnetwork
ENSG00000066654	THUMPD1 PPI subnetwork
MP:0001932	abnormal spermiogenesis
ENSG00000133059	DSTYK PPI subnetwork
ENSG00000157933	SKI PPI subnetwork
GO:0032755	positive regulation of interleukin-6 production
ENSG00000117318	ID3 PPI subnetwork
ENSG00000124782	RREB1 PPI subnetwork
GO:0043405	regulation of MAP kinase activity
ENSG00000071539	TRIP13 PPI subnetwork
ENSG00000151748	SAV1 PPI subnetwork
ENSG00000187741	FANCA PPI subnetwork
ENSG00000105258	POLR2I PPI subnetwork
GO:0010576	metalloenzyme regulator activity
ENSG00000127616	SMARCA4 PPI subnetwork
ENSG00000080824	HSP90AA1 PPI subnetwork
GO:0001085	RNA polymerase II transcription factor binding
GO:0060425	lung morphogenesis
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION_IN_THE_M
GO:0050729	positive regulation of inflammatory response
ENSG00000120697	ALG5 PPI subnetwork
ENSG00000108298	RPL19 PPI subnetwork
GO:0070302	regulation of stress-activated protein kinase signaling cascade
ENSG00000196455	PIK3R4 PPI subnetwork
ENSG00000117322	CR2 PPI subnetwork
GO:0043122	regulation of I-kappaB kinase/NF-kappaB cascade
ENSG00000185637	ENSG00000185637 PPI subnetwork
ENSG00000155506	LARP1 PPI subnetwork
ENSG00000148143	ZNF462 PPI subnetwork
ENSG00000144231	POLR2D PPI subnetwork
ENSG00000185963	BICD2 PPI subnetwork
MP:0002674	abnormal sperm motility
ENSG00000117480	FAAH PPI subnetwork
ENSG00000143947	RPS27A PPI subnetwork
ENSG00000148400	NOTCH1 PPI subnetwork
ENSG00000175792	RUVBL1 PPI subnetwork
ENSG00000164404	GDF9 PPI subnetwork
GO:0050686	negative regulation of mRNA processing
ENSG00000165476	REEP3 PPI subnetwork
GO:0017002	activin-activated receptor activity
ENSG00000138433	CIR1 PPI subnetwork
GO:0045646	regulation of erythrocyte differentiation
ENSG00000123416	TUBA1B PPI subnetwork
ENSG00000065882	TBC1D1 PPI subnetwork

MP:0000467	abnormal esophagus morphology
MP:0008438	abnormal cutaneous collagen fibril morphology
GO:0006506	GPI anchor biosynthetic process
ENSG00000126457	PRMT1 PPI subnetwork
ENSG00000137815	RTF1 PPI subnetwork
ENSG00000063177	RPL18 PPI subnetwork
MP:0004189	abnormal alveolar process morphology
GO:0048562	embryonic organ morphogenesis
GO:0005583	fibrillar collagen
GO:0007492	endoderm development
GO:0031329	regulation of cellular catabolic process
ENSG00000166033	HTRA1 PPI subnetwork
ENSG00000101654	RNMT PPI subnetwork
ENSG00000132467	UTP3 PPI subnetwork
ENSG00000135547	HEY2 PPI subnetwork
ENSG00000135916	ITM2C PPI subnetwork
GO:0006775	fat-soluble vitamin metabolic process
GO:0006917	induction of apoptosis
GO:0004601	peroxidase activity
GO:0016684	oxidoreductase activity, acting on peroxide as acceptor
GO:0034599	cellular response to oxidative stress
ENSG00000170310	STX8 PPI subnetwork
MP:0003690	abnormal glial cell physiology
ENSG00000066117	SMARCD1 PPI subnetwork
MP:0008703	decreased interleukin-5 secretion
MP:0008789	abnormal olfactory epithelium morphology
GO:0043218	compact myelin
ENSG00000156697	UTP14A PPI subnetwork
GO:0002886	regulation of myeloid leukocyte mediated immunity
MP:0000822	abnormal brain ventricle morphology
GO:0002573	myeloid leukocyte differentiation
REACTOME_PI3K_EVENTS_IN_ERBB2_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB2_SIGNALING
GO:0019751	polyol metabolic process
MP:0011083	complete lethality at weaning
GO:0000122	negative regulation of transcription from RNA polymerase II pı
MP:0008246	abnormal leukocyte morphology
GO:0005665	DNA-directed RNA polymerase II, core complex
ENSG00000139219	COL2A1 PPI subnetwork
GO:0048306	calcium-dependent protein binding
GO:0006497	protein lipidation
ENSG00000102054	RBBP7 PPI subnetwork
MP:0002066	abnormal motor capabilities/coordination/movement
MP:0001807	decreased IgA level
GO:0050755	chemokine metabolic process
GO:0007219	Notch signaling pathway
ENSG00000177602	GSG2 PPI subnetwork
GO:0031349	positive regulation of defense response
GO:0030176	integral to endoplasmic reticulum membrane
REACTOME_INFLUENZA_LIFE_CYCLE	REACTOME_INFLUENZA_LIFE_CYCLE
ENSG00000100567	PSMA3 PPI subnetwork

ENSG00000105373	GLTSCR2 PPI subnetwork
ENSG00000165702	GFI1B PPI subnetwork
ENSG00000122705	CLTA PPI subnetwork
GO:0030878	thyroid gland development
REACTOME_APOPTOSIS	REACTOME_APOPTOSIS
ENSG00000108344	PSMD3 PPI subnetwork
MP:0003050	abnormal sacral vertebrae morphology
GO:0071363	cellular response to growth factor stimulus
MP:0009232	abnormal sperm nucleus morphology
ENSG00000177971	IMP3 PPI subnetwork
ENSG00000017797	RALBP1 PPI subnetwork
MP:0003656	abnormal erythrocyte physiology
ENSG00000037241	RPL26L1 PPI subnetwork
ENSG00000196405	EVL PPI subnetwork
GO:0042107	cytokine metabolic process
MP:0008788	abnormal fetal cardiomyocyte morphology
ENSG00000034713	GABARAPL2 PPI subnetwork
GO:0005547	phosphatidylinositol-3,4,5-trisphosphate binding
GO:0006809	nitric oxide biosynthetic process
ENSG00000092820	EZR PPI subnetwork
ENSG00000174469	CNTNAP2 PPI subnetwork
GO:0005882	intermediate filament
ENSG00000160293	VAV2 PPI subnetwork
MP:0000876	Purkinje cell degeneration
ENSG00000105141	CASP14 PPI subnetwork
ENSG00000081019	RSBN1 PPI subnetwork
ENSG00000160062	ZBTB8A PPI subnetwork
KEGG_SMALL_CELL_LUNG_CANCER	KEGG_SMALL_CELL_LUNG_CANCER
MP:0002656	abnormal keratinocyte differentiation
MP:0004399	abnormal cochlear outer hair cell morphology
ENSG00000105662	CRTC1 PPI subnetwork
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_F	KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
ENSG00000153113	CAST PPI subnetwork
ENSG00000005075	POLR2J PPI subnetwork
GO:0070306	lens fiber cell differentiation
REACTOME_PI3K_EVENTS_IN_ERBB4_SIGN	REACTOME_PI3K_EVENTS_IN_ERBB4_SIGNALING
ENSG00000196776	CD47 PPI subnetwork
ENSG00000012983	MAP4K5 PPI subnetwork
GO:0012502	induction of programmed cell death
REACTOME_ADAPTIVE_IMMUNE_SYSTEM	REACTOME_ADAPTIVE_IMMUNE_SYSTEM
GO:0045111	intermediate filament cytoskeleton
ENSG00000147065	MSN PPI subnetwork
ENSG00000110880	CORO1C PPI subnetwork
ENSG00000115207	GTF3C2 PPI subnetwork
ENSG00000167193	CRK PPI subnetwork
GO:0008645	hexose transport
GO:0015758	glucose transport
ENSG00000162928	PEX13 PPI subnetwork
GO:0009595	detection of biotic stimulus
MP:0010856	dilated respiratory conducting tubes

GO:0030134	ER to Golgi transport vesicle
MP:0002796	impaired skin barrier function
MP:0010029	abnormal basicranium morphology
ENSG00000138439	FAM117B PPI subnetwork
GO:0001657	ureteric bud development
ENSG00000100150	DEPDC5 PPI subnetwork
ENSG00000075884	ARHGAP15 PPI subnetwork
ENSG00000167414	GNG8 PPI subnetwork
MP:0006138	congestive heart failure
ENSG00000072415	MPP5 PPI subnetwork
ENSG00000151320	AKAP6 PPI subnetwork
ENSG00000157483	MYO1E PPI subnetwork
ENSG00000134086	VHL PPI subnetwork
MP:0008135	small Peyer's patches
ENSG00000126005	ENSG00000126005 PPI subnetwork
ENSG00000104833	TUBB4A PPI subnetwork
GO:0006026	aminoglycan catabolic process
GO:0021602	cranial nerve morphogenesis
MP:0006398	increased long bone epiphyseal plate size
ENSG00000128487	SPECC1 PPI subnetwork
ENSG00000106462	EZH2 PPI subnetwork
MP:0002136	abnormal kidney physiology
ENSG00000182809	CRIP2 PPI subnetwork
REACTOME_RNA_POLYMERASE_III_ABORTI	REACTOME_RNA_POLYMERASE_III_ABORTIVE_AND_RETRACT
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION
REACTOME_BILE_SALT_AND_ORGANIC_AN	REACTOME_BILE_SALT_AND_ORGANIC_ANION_SLC_TRANSPC
ENSG00000112242	E2F3 PPI subnetwork
ENSG00000077063	CTTNBP2 PPI subnetwork
GO:0005099	Ras GTPase activator activity
GO:0010770	positive regulation of cell morphogenesis involved in different
MP:0004362	cochlear hair cell degeneration
GO:0042559	pteridine-containing compound biosynthetic process
GO:0005416	cation:amino acid symporter activity
ENSG00000117408	IPO13 PPI subnetwork
GO:0043204	perikaryon
GO:0046006	regulation of activated T cell proliferation
GO:0000932	cytoplasmic mRNA processing body
REACTOME_ASSOCIATION_OF_TRICCCT_WI	REACTOME_ASSOCIATION_OF_TRICCCT_WITH_TARGET_PROT
MP:0002452	abnormal antigen presenting cell physiology
MP:0005566	decreased blood urea nitrogen level
ENSG00000129465	RIPK3 PPI subnetwork
ENSG00000171863	RPS7 PPI subnetwork
ENSG00000186153	WWOX PPI subnetwork
MP:0000433	microcephaly
ENSG00000105699	LSR PPI subnetwork
GO:0002544	chronic inflammatory response
MP:0008883	abnormal enterocyte proliferation
ENSG00000197961	ZNF121 PPI subnetwork
MP:0005545	abnormal lens development
ENSG00000095794	CREM PPI subnetwork

MP:0004113	abnormal aortic arch morphology
ENSG00000032514	ENSG00000032514 PPI subnetwork
ENSG00000077782	FGFR1 PPI subnetwork
ENSG00000151846	PABPC3 PPI subnetwork
ENSG00000086598	TMED2 PPI subnetwork
GO:0030098	lymphocyte differentiation
ENSG00000171862	PTEN PPI subnetwork
ENSG00000135503	ACVR1B PPI subnetwork
ENSG00000086061	DNAJA1 PPI subnetwork
MP:0003871	abnormal myelin sheath morphology
GO:0060675	ureteric bud morphogenesis
MP:0004077	abnormal striatum morphology
GO:0032365	intracellular lipid transport
ENSG00000149930	TAOK2 PPI subnetwork
MP:0001825	arrested T cell differentiation
ENSG00000112658	SRF PPI subnetwork
MP:0000111	cleft palate
ENSG00000163714	U2SURP PPI subnetwork
ENSG00000162105	SHANK2 PPI subnetwork
ENSG00000206353	SKIV2L PPI subnetwork
ENSG00000134255	CEPT1 PPI subnetwork
MP:0000088	short mandible
MP:0006267	abnormal intercalated disc morphology
GO:0034330	cell junction organization
REACTOME_CLASS_I_MHC_MEDIATED_ANT	REACTOME_CLASS_I_MHC_MEDIATED_ANTIGEN_PROCESSIN(
GO:0042578	phosphoric ester hydrolase activity
ENSG00000103152	MPG PPI subnetwork
ENSG00000160075	SSU72 PPI subnetwork
ENSG00000135845	PIGC PPI subnetwork
GO:0002790	peptide secretion
MP:0002650	abnormal ameloblast morphology
ENSG00000173692	PSMD1 PPI subnetwork
MP:0000042	abnormal organ of Corti morphology
GO:0045428	regulation of nitric oxide biosynthetic process
GO:0060688	regulation of morphogenesis of a branching structure
ENSG00000167491	GATAD2A PPI subnetwork
MP:0000276	heart right ventricle hypertrophy
GO:0010952	positive regulation of peptidase activity
ENSG00000183386	FHL3 PPI subnetwork
MP:0001273	decreased metastatic potential
ENSG00000161960	EIF4A1 PPI subnetwork
ENSG00000068615	REEP1 PPI subnetwork
MP:0002718	abnormal inner cell mass morphology
ENSG00000137710	RDX PPI subnetwork
GO:0030684	preribosome
REACTOME_CALNEXINCALRETICULIN_CYCLI	REACTOME_CALNEXINCALRETICULIN_CYCLE
MP:0003604	single kidney
ENSG00000136574	GATA4 PPI subnetwork
MP:0003864	abnormal midbrain development
ENSG00000060069	CTDP1 PPI subnetwork

ENSG00000136160	EDNRB PPI subnetwork
GO:0006007	glucose catabolic process
GO:0006369	termination of RNA polymerase II transcription
MP:0009750	impaired behavioral response to addictive substance
GO:0090278	negative regulation of peptide hormone secretion
MP:0003817	abnormal pituitary diverticulum morphology
GO:0006661	phosphatidylinositol biosynthetic process
ENSG00000162735	PEX19 PPI subnetwork
GO:0007389	pattern specification process
ENSG00000100142	POLR2F PPI subnetwork
KEGG_GLUTATHIONE_METABOLISM	KEGG_GLUTATHIONE_METABOLISM
ENSG00000151729	SLC25A4 PPI subnetwork
ENSG00000166716	ZNF592 PPI subnetwork
ENSG00000141959	PFKL PPI subnetwork
ENSG00000164930	FZD6 PPI subnetwork
ENSG00000111432	FZD10 PPI subnetwork
REACTOME_INHIBITION_OF_REPLICATION_	REACTOME_INHIBITION_OF_REPLICATION_INITIATION_OF_DA
REACTOME_METABOLISM_OF_PORPHYRIN	REACTOME_METABOLISM_OF_PORPHYRINS
ENSG00000079841	RIMS1 PPI subnetwork
ENSG00000113263	ITK PPI subnetwork
ENSG00000108272	DHRS11 PPI subnetwork
MP:0009050	dilated proximal convoluted tubules
ENSG00000099956	SMARCB1 PPI subnetwork
ENSG00000173406	DAB1 PPI subnetwork
ENSG00000138297	TIMM23 PPI subnetwork
ENSG00000153391	INO80C PPI subnetwork
ENSG00000105357	MYH14 PPI subnetwork
ENSG00000161647	MPP3 PPI subnetwork
MP:0002358	abnormal spleen periarteriolar lymphoid sheath morphology
GO:0032580	Golgi cisterna membrane
ENSG00000004487	KDM1A PPI subnetwork
GO:0045471	response to ethanol
ENSG00000126226	PCID2 PPI subnetwork
ENSG00000198569	SLC34A3 PPI subnetwork
ENSG00000129675	ARHGEF6 PPI subnetwork
ENSG00000111481	COPZ1 PPI subnetwork
ENSG00000137171	KLC4 PPI subnetwork
GO:0005795	Golgi stack
ENSG00000137547	MRPL15 PPI subnetwork
MP:0001625	cardiac hypertrophy
ENSG00000140650	PMM2 PPI subnetwork
GO:0030514	negative regulation of BMP signaling pathway
GO:0060445	branching involved in salivary gland morphogenesis
ENSG00000129682	FGF13 PPI subnetwork
ENSG00000100079	LGALS2 PPI subnetwork
ENSG00000136718	IMP4 PPI subnetwork
ENSG00000067704	IARS2 PPI subnetwork
ENSG00000163806	SPDYA PPI subnetwork
ENSG00000168530	MYL1 PPI subnetwork
MP:0010984	abnormal metanephric mesenchyme morphology

GO:0030903	notochord development
MP:0009434	paraparesis
ENSG00000134184	GSTM1 PPI subnetwork
GO:0034339	regulation of transcription from RNA polymerase II promoter b
ENSG00000169083	AR PPI subnetwork
MP:0008101	lymph node hypoplasia
MP:0008828	abnormal lymph node cell ratio
ENSG00000141027	NCOR1 PPI subnetwork
ENSG00000165156	ZHX1 PPI subnetwork
GO:0009791	post-embryonic development
MP:0002332	abnormal exercise endurance
ENSG00000171858	RPS21 PPI subnetwork
GO:0006081	cellular aldehyde metabolic process
ENSG00000183337	BCOR PPI subnetwork
ENSG00000166170	BAG5 PPI subnetwork
GO:0007200	phospholipase C-activating G-protein coupled receptor signali
MP:0003755	abnormal palate morphology
GO:0050433	regulation of catecholamine secretion
REACTOME_DEADENYLATION_OF_MRNA	REACTOME_DEADENYLATION_OF_MRNA
GO:0042430	indole-containing compound metabolic process
GO:0006586	indolalkylamine metabolic process
MP:0002961	abnormal axon guidance
GO:0048511	rhythmic process
ENSG00000150991	UBC PPI subnetwork
ENSG00000215699	ENSG00000215699 PPI subnetwork
REACTOME_IRS:MEDIATED_SIGNALLING	REACTOME_IRS:MEDIATED_SIGNALLING
REACTOME_IRS:RELATED_EVENTS	REACTOME_IRS:RELATED_EVENTS
ENSG00000131368	MRPS25 PPI subnetwork
GO:0006509	membrane protein ectodomain proteolysis
ENSG00000108468	CBX1 PPI subnetwork
ENSG00000111602	TIMELESS PPI subnetwork
ENSG00000212664	ENSG00000212664 PPI subnetwork
ENSG00000204628	GNB2L1 PPI subnetwork
MP:0000966	decreased sensory neuron number
MP:0000837	abnormal hypothalamus morphology
ENSG00000164134	NAA15 PPI subnetwork
ENSG00000166025	AMOTL1 PPI subnetwork
ENSG00000166582	CENPV PPI subnetwork
ENSG00000134287	ARF3 PPI subnetwork
MP:0002619	abnormal lymphocyte morphology
GO:0043256	laminin complex
ENSG00000009335	UBE3C PPI subnetwork
ENSG00000143621	ILF2 PPI subnetwork
ENSG00000171824	EXOSC10 PPI subnetwork
GO:2000241	regulation of reproductive process
ENSG00000104221	BRF2 PPI subnetwork
GO:0005160	transforming growth factor beta receptor binding
GO:0010741	negative regulation of intracellular protein kinase cascade
ENSG00000187079	TEAD1 PPI subnetwork
ENSG00000023734	STRAP PPI subnetwork

ENSG00000182944	EWSR1 PPI subnetwork
GO:0019932	second-messenger-mediated signaling
MP:0010403	atrial septal defect
MP:0005140	decreased cardiac muscle contractility
GO:0007610	behavior
GO:0016324	apical plasma membrane
REACTOME_ABORTIVE_ELONGATION_OF_H	REACTOME_ABORTIVE_ELONGATION_OF_HIV:1_TRANSCRIPT_
ENSG00000085511	MAP3K4 PPI subnetwork
MP:0001147	small testis
GO:0045445	myoblast differentiation
GO:0008360	regulation of cell shape
GO:0016624	oxidoreductase activity, acting on the aldehyde or oxo group c
ENSG00000125447	GGA3 PPI subnetwork
ENSG00000116251	RPL22 PPI subnetwork
MP:0000230	abnormal systemic arterial blood pressure
MP:0006325	impaired hearing
ENSG00000166477	LEO1 PPI subnetwork
ENSG00000078269	SYNJ2 PPI subnetwork
GO:0043279	response to alkaloid
ENSG00000069329	VPS35 PPI subnetwork
MP:0004374	bowed radius
ENSG00000144895	EIF2A PPI subnetwork
GO:0042110	T cell activation
MP:0000250	abnormal vasoconstriction
GO:0060389	pathway-restricted SMAD protein phosphorylation
ENSG00000097046	CDC7 PPI subnetwork
REACTOME_P75NTR_RECRUITS_SIGNALLIN	REACTOME_P75NTR_RECRUITS_SIGNALLING_COMPLEXES
MP:0004974	decreased regulatory T cell number
ENSG00000198130	HIBCH PPI subnetwork
MP:0002216	abnormal seminiferous tubule morphology
ENSG00000089693	MLF2 PPI subnetwork
GO:0048486	parasympathetic nervous system development
REACTOME_PLATELET_SENSITIZATION_BY_	REACTOME_PLATELET_SENSITIZATION_BY_LDL
ENSG00000175220	ARHGAP1 PPI subnetwork
ENSG00000079785	DDX1 PPI subnetwork
MP:0000438	abnormal cranium morphology
MP:0001183	overexpanded pulmonary alveoli
GO:0016646	oxidoreductase activity, acting on the CH-NH group of donors,
GO:0030072	peptide hormone secretion
ENSG00000117266	CDK18 PPI subnetwork
REACTOME_INFLUENZA_INFECTION	REACTOME_INFLUENZA_INFECTION
GO:0050796	regulation of insulin secretion
ENSG00000102606	ARHGEF7 PPI subnetwork
MP:0004933	abnormal epididymis epithelium morphology
ENSG00000136810	TXN PPI subnetwork
REACTOME_ANTIGEN_PROCESSING_UBIQU	REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION__PROT
ENSG00000196084	ENSG00000196084 PPI subnetwork
ENSG00000083312	TNPO1 PPI subnetwork
GO:0006874	cellular calcium ion homeostasis
ENSG00000166313	APBB1 PPI subnetwork

ENSG00000044524	EPHA3 PPI subnetwork
ENSG00000143878	RHOB PPI subnetwork
ENSG00000163017	ACTG2 PPI subnetwork
GO:0002694	regulation of leukocyte activation
ENSG00000103319	EEF2K PPI subnetwork
ENSG00000136518	ACTL6A PPI subnetwork
GO:0032570	response to progesterone stimulus
REACTOME_NICD_TRAFFICS_TO_NUCLEUS	REACTOME_NICD_TRAFFICS_TO_NUCLEUS
REACTOME_NOTCH:HLH_TRANSCRIPTION_	REACTOME_NOTCH:HLH_TRANSCRIPTION_PATHWAY
ENSG00000181555	SETD2 PPI subnetwork
GO:2000027	regulation of organ morphogenesis
MP:0004521	abnormal cochlear hair cell stereociliary bundle morphology
ENSG00000119203	CPSF3 PPI subnetwork
MP:0009655	abnormal secondary palate development
MP:0002703	abnormal renal tubule morphology
MP:0008474	absent spleen germinal center
ENSG00000197956	S100A6 PPI subnetwork
GO:0043900	regulation of multi-organism process
ENSG00000198231	DDX42 PPI subnetwork
ENSG00000056972	TRAF3IP2 PPI subnetwork
ENSG00000130985	UBA1 PPI subnetwork
ENSG00000135823	STX6 PPI subnetwork
GO:0002275	myeloid cell activation involved in immune response
MP:0009940	abnormal hippocampus pyramidal cell morphology
GO:0010717	regulation of epithelial to mesenchymal transition
ENSG00000108773	KAT2A PPI subnetwork
ENSG00000168291	PDHB PPI subnetwork
ENSG00000101966	XIAP PPI subnetwork
ENSG00000159348	CYB5R1 PPI subnetwork
MP:0008528	polycystic kidney
ENSG00000197386	HTT PPI subnetwork
GO:0044236	multicellular organismal metabolic process
GO:0031901	early endosome membrane
GO:0015030	Cajal body
ENSG00000054523	KIF1B PPI subnetwork
MP:0000830	abnormal diencephalon morphology
ENSG00000180340	FZD2 PPI subnetwork
MP:0003944	abnormal T cell subpopulation ratio
ENSG00000167085	PHB PPI subnetwork
ENSG00000107807	TLX1 PPI subnetwork
MP:0001539	decreased caudal vertebrae number
ENSG00000006638	TBXA2R PPI subnetwork
ENSG00000152684	PELO PPI subnetwork
ENSG00000155966	AFF2 PPI subnetwork
ENSG00000091436	ENSG00000091436 PPI subnetwork
GO:0006776	vitamin A metabolic process
MP:0003809	abnormal hair shaft morphology
GO:0005343	organic acid:sodium symporter activity
GO:0060419	heart growth
GO:0008138	protein tyrosine/serine/threonine phosphatase activity

ENSG00000117758	STX12 PPI subnetwork
MP:0005543	corneal thinning
REACTOME_NEF:MEDIATES_DOWN_MODU	REACTOME_NEF:MEDIATES_DOWN_MODULATION_OF_CELL_
GO:0034762	regulation of transmembrane transport
ENSG00000126432	PRDX5 PPI subnetwork
GO:0010517	regulation of phospholipase activity
ENSG00000118503	TNFAIP3 PPI subnetwork
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCL	REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
GO:0007254	JNK cascade
ENSG00000155508	CNOT8 PPI subnetwork
MP:0003132	increased pre-B cell number
ENSG00000130520	LSM4 PPI subnetwork
ENSG00000185432	METTL7A PPI subnetwork
GO:0009251	glucan catabolic process
GO:0044247	cellular polysaccharide catabolic process
MP:0004753	abnormal miniature excitatory postsynaptic currents
ENSG00000064300	NGFR PPI subnetwork
ENSG00000104290	FZD3 PPI subnetwork
ENSG00000113712	CSNK1A1 PPI subnetwork
REACTOME_GOLGI_ASSOCIATED_VESICLE_I	REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS
ENSG00000120709	FAM53C PPI subnetwork
GO:0042089	cytokine biosynthetic process
ENSG00000108826	MRPL27 PPI subnetwork
REACTOME_PLATELET_ADHESION_TO_EXPO	REACTOME_PLATELET_ADHESION_TO_EXPOSED_COLLAGEN
REACTOME_ACTIVATION_OF_CHAPERONES	REACTOME_ACTIVATION_OF_CHAPERONES_BY_ATF6:ALPHA
GO:0031214	biomineral tissue development
ENSG00000213672	NCKIPSD PPI subnetwork
ENSG00000185049	WHSC2 PPI subnetwork
ENSG00000134058	CDK7 PPI subnetwork
MP:0004978	decreased B-1 B cell number
GO:0042440	pigment metabolic process
ENSG00000136149	ENSG00000136149 PPI subnetwork
MP:0003209	abnormal pulmonary elastic fiber morphology
ENSG00000015479	MATR3 PPI subnetwork
ENSG00000104722	NEFM PPI subnetwork
ENSG00000130204	TOMM40 PPI subnetwork
ENSG00000108061	SHOC2 PPI subnetwork
ENSG00000108587	GOSR1 PPI subnetwork
ENSG00000139239	ENSG00000139239 PPI subnetwork
GO:0001655	urogenital system development
ENSG00000038427	VCAN PPI subnetwork
ENSG00000147689	FAM83A PPI subnetwork
MP:0002643	poikilocytosis
GO:0019079	viral genome replication
ENSG00000145592	RPL37 PPI subnetwork
ENSG00000143537	ADAM15 PPI subnetwork
ENSG00000111615	KRR1 PPI subnetwork
REACTOME_BRANCHED:CHAIN_AMINO_AC	REACTOME_BRANCHED:CHAIN_AMINO_ACID_CATABOLISM
GO:0030057	desmosome
ENSG00000173598	NUDT4 PPI subnetwork

ENSG00000135333	EPHA7 PPI subnetwork
GO:0050798	activated T cell proliferation
GO:0002063	chondrocyte development
GO:0015697	quaternary ammonium group transport
MP:0006397	disorganized long bone epiphyseal plate
MP:0000708	thymus hyperplasia
GO:0001727	lipid kinase activity
ENSG00000105663	ENSG00000105663 PPI subnetwork
ENSG00000029363	BCLAF1 PPI subnetwork
ENSG00000177700	POLR2L PPI subnetwork
GO:0015749	monosaccharide transport
ENSG00000048052	HDAC9 PPI subnetwork
GO:0051953	negative regulation of amine transport
MP:0008657	increased interleukin-1 beta secretion
MP:0003920	abnormal heart right ventricle morphology
GO:0071260	cellular response to mechanical stimulus
ENSG00000170145	SIK2 PPI subnetwork
MP:0000162	lordosis
ENSG00000140939	NOL3 PPI subnetwork
GO:0050777	negative regulation of immune response
ENSG00000198909	MAP3K3 PPI subnetwork
REACTOME_PECAM1_INTERACTIONS	REACTOME_PECAM1_INTERACTIONS
ENSG00000134686	PHC2 PPI subnetwork
ENSG00000085832	EPS15 PPI subnetwork
ENSG00000120690	ELF1 PPI subnetwork
ENSG00000206240	HLA-DRB1 PPI subnetwork
ENSG00000206306	HLA-DRB1 PPI subnetwork
MP:0008412	increased cellular sensitivity to oxidative stress
GO:0071377	cellular response to glucagon stimulus
MP:0002084	abnormal developmental patterning
GO:0050768	negative regulation of neurogenesis
ENSG00000116213	WRAP73 PPI subnetwork
ENSG00000185386	MAPK11 PPI subnetwork
ENSG00000149557	FEZ1 PPI subnetwork
ENSG00000215328	HSPA1A PPI subnetwork
GO:0048546	digestive tract morphogenesis
ENSG00000103342	GSPT1 PPI subnetwork
MP:0000968	abnormal sensory neuron innervation pattern
MP:0005225	abnormal vertebrae development
ENSG00000130177	CDC16 PPI subnetwork
GO:0001843	neural tube closure
MP:0004066	abnormal primitive node morphology
GO:0010810	regulation of cell-substrate adhesion
ENSG00000143815	LBR PPI subnetwork
ENSG00000116761	CTH PPI subnetwork
ENSG00000128513	POT1 PPI subnetwork
MP:0000934	abnormal telencephalon development
GO:0051023	regulation of immunoglobulin secretion
GO:0045686	negative regulation of glial cell differentiation
ENSG00000171867	PRNP PPI subnetwork

GO:0004702	receptor signaling protein serine/threonine kinase activity
GO:0010518	positive regulation of phospholipase activity
ENSG00000111875	ASF1A PPI subnetwork
MP:0000538	abnormal urinary bladder morphology
ENSG00000134250	NOTCH2 PPI subnetwork
GO:0043406	positive regulation of MAP kinase activity
ENSG00000155561	NUP205 PPI subnetwork
ENSG00000213741	RPS29 PPI subnetwork
ENSG00000100014	SPECC1L PPI subnetwork
GO:0051130	positive regulation of cellular component organization
ENSG00000134852	CLOCK PPI subnetwork
GO:0006879	cellular iron ion homeostasis
ENSG00000105216	ENSG00000105216 PPI subnetwork
ENSG00000120656	TAF12 PPI subnetwork
GO:0048368	lateral mesoderm development
REACTOME_POST:TRANSLATIONAL_MODIF	REACTOME_POST:TRANSLATIONAL_MODIFICATION_SYNTHES
GO:0060249	anatomical structure homeostasis
REACTOME_INTERACTIONS_OF_REV_WITH	REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_
GO:0034614	cellular response to reactive oxygen species
ENSG00000110330	BIRC2 PPI subnetwork
MP:0004272	abnormal basement membrane morphology
GO:0007031	peroxisome organization
GO:0006702	androgen biosynthetic process
GO:0032925	regulation of activin receptor signaling pathway
ENSG00000137693	YAP1 PPI subnetwork
MP:0000852	small cerebellum
ENSG00000175054	ATR PPI subnetwork
ENSG00000134640	MTNR1B PPI subnetwork
ENSG00000114767	RRP9 PPI subnetwork
MP:0003644	thymus atrophy
GO:0016814	hydrolase activity, acting on carbon-nitrogen (but not peptide)
MP:0008111	abnormal granulocyte differentiation
ENSG00000168028	RPSA PPI subnetwork
ENSG00000015171	ZMYND11 PPI subnetwork
ENSG00000147853	AK3 PPI subnetwork
ENSG00000186879	ENSG00000186879 PPI subnetwork
GO:0042113	B cell activation
ENSG00000184967	NOC4L PPI subnetwork
ENSG00000136383	ALPK3 PPI subnetwork
GO:0001707	mesoderm formation
REACTOME_OTHER_SEMAPHORIN_INTERA	REACTOME_OTHER_SEMAPHORIN_INTERACTIONS
MP:0000279	ventricular hypoplasia
ENSG00000147604	RPL7 PPI subnetwork
GO:0012507	ER to Golgi transport vesicle membrane
ENSG00000141543	EIF4A3 PPI subnetwork
ENSG00000064012	CASP8 PPI subnetwork
ENSG00000122126	OCRL PPI subnetwork
ENSG00000120071	KIAA1267 PPI subnetwork
GO:0031252	cell leading edge
GO:0030204	chondroitin sulfate metabolic process

GO:0030901	midbrain development
MP:0005463	abnormal CD4-positive T cell physiology
GO:0016594	glycine binding
ENSG00000196628	TCF4 PPI subnetwork
ENSG00000126749	ENSG00000126749 PPI subnetwork
ENSG00000161016	RPL8 PPI subnetwork
ENSG00000198625	MDM4 PPI subnetwork
REACTOME_ERKMAPK_TARGETS	REACTOME_ERKMAPK_TARGETS
ENSG00000135679	MDM2 PPI subnetwork
ENSG00000151498	ACAD8 PPI subnetwork
ENSG00000121542	SEC22A PPI subnetwork
GO:0072503	cellular divalent inorganic cation homeostasis
GO:0007420	brain development
ENSG00000102158	MAGT1 PPI subnetwork
MP:0003731	abnormal retinal outer nuclear layer morphology
ENSG00000175467	SART1 PPI subnetwork
ENSG00000162692	VCAM1 PPI subnetwork
MP:0002812	spherocytosis
GO:0009068	aspartate family amino acid catabolic process
GO:0005635	nuclear envelope
ENSG00000119421	NDUFA8 PPI subnetwork
ENSG00000055208	TAB2 PPI subnetwork
ENSG00000076604	TRAF4 PPI subnetwork
ENSG00000136717	BIN1 PPI subnetwork
MP:0002693	abnormal pancreas physiology
ENSG00000111186	WNT5B PPI subnetwork
MP:0008723	impaired eosinophil recruitment
GO:0014909	smooth muscle cell migration
MP:0000711	thymus cortex hypoplasia
ENSG00000165699	TSC1 PPI subnetwork
GO:0042770	signal transduction in response to DNA damage
GO:0031272	regulation of pseudopodium assembly
MP:0002797	increased thigmotaxis
GO:0045120	pronucleus
REACTOME_VPR:MEDIATED_NUCLEAR_IMF	REACTOME_VPR:MEDIATED_NUCLEAR_IMPORT_OF_PICS
ENSG00000007237	GAS7 PPI subnetwork
MP:0000750	abnormal muscle regeneration
GO:0043209	myelin sheath
ENSG00000101057	MYBL2 PPI subnetwork
ENSG00000183311	TUBB PPI subnetwork
ENSG00000196230	TUBB PPI subnetwork
ENSG00000137379	ENSG00000137379 PPI subnetwork
MP:0000820	abnormal choroid plexus morphology
MP:0001426	polydipsia
GO:0030027	lamellipodium
GO:0005980	glycogen catabolic process
ENSG00000006712	PAF1 PPI subnetwork
ENSG00000070423	RNF126 PPI subnetwork
ENSG00000115274	INO80B PPI subnetwork
GO:0003209	cardiac atrium morphogenesis

ENSG00000035403	VCL PPI subnetwork
GO:0016126	sterol biosynthetic process
ENSG00000114251	WNT5A PPI subnetwork
ENSG00000111653	ING4 PPI subnetwork
REACTOME_PROCESSING_OF_CAPPED_INT	REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_PRE:MRI
REACTOME_POST:ELONGATION_PROCESSIN	REACTOME_POST:ELONGATION_PROCESSING_OF_INTRONLES
ENSG00000134046	MBD2 PPI subnetwork
ENSG00000164061	BSN PPI subnetwork
MP:0006262	testis tumor
ENSG00000140396	NCOA2 PPI subnetwork
ENSG00000100292	HMOX1 PPI subnetwork
MP:0005105	abnormal middle ear ossicle morphology
ENSG00000042980	ADAM28 PPI subnetwork
ENSG00000118260	CREB1 PPI subnetwork
ENSG00000145736	GTF2H2 PPI subnetwork
ENSG00000175073	VCPIP1 PPI subnetwork
ENSG00000108953	YWHAE PPI subnetwork
ENSG00000206088	ENSG00000206088 PPI subnetwork
ENSG00000177879	AP3S1 PPI subnetwork
ENSG00000140284	SLC27A2 PPI subnetwork
REACTOME_EARLY_PHASE_OF_HIV_LIFE_C	REACTOME_EARLY_PHASE_OF_HIV_LIFE_CYCLE
GO:0004197	cysteine-type endopeptidase activity
MP:0005608	cardiac interstitial fibrosis
MP:0005171	absent coat pigmentation
ENSG00000072195	SPEG PPI subnetwork
ENSG00000145794	MEGF10 PPI subnetwork
ENSG00000114353	GNAI2 PPI subnetwork
ENSG00000128602	SMO PPI subnetwork
ENSG00000171608	PIK3CD PPI subnetwork
GO:0006536	glutamate metabolic process
ENSG00000137177	KIF13A PPI subnetwork
ENSG00000112078	KCTD20 PPI subnetwork
ENSG00000163161	ERCC3 PPI subnetwork
ENSG00000150347	ARID5B PPI subnetwork
ENSG00000086232	EIF2AK1 PPI subnetwork
GO:0051056	regulation of small GTPase mediated signal transduction
ENSG00000063438	AHRR PPI subnetwork
ENSG00000115053	NCL PPI subnetwork
MP:0004696	abnormal thyroid follicle morphology
ENSG00000213611	ENSG00000213611 PPI subnetwork
ENSG00000159377	PSMB4 PPI subnetwork
KEGG_MELANOGENESIS	KEGG_MELANOGENESIS
GO:0014013	regulation of gliogenesis
REACTOME_PROSTANOID_METABOLISM	REACTOME_PROSTANOID_METABOLISM
ENSG00000054116	TRAPPC3 PPI subnetwork
GO:0001608	G-protein coupled nucleotide receptor activity
GO:0045028	G-protein coupled purinergic nucleotide receptor activity
ENSG00000166478	ZNF143 PPI subnetwork
GO:0002080	acrosomal membrane
ENSG00000168497	SDPR PPI subnetwork

ENSG00000197756	RPL37A PPI subnetwork
ENSG00000204227	RING1 PPI subnetwork
ENSG00000206287	RING1 PPI subnetwork
ENSG00000206215	ENSG00000206215 PPI subnetwork
ENSG00000164609	SLU7 PPI subnetwork
GO:2000736	regulation of stem cell differentiation
ENSG00000158517	NCF1 PPI subnetwork
MP:0000733	abnormal muscle development
GO:0032098	regulation of appetite
GO:0045598	regulation of fat cell differentiation
ENSG00000110768	GTF2H1 PPI subnetwork
ENSG00000089154	GCN1L1 PPI subnetwork
GO:0021782	glial cell development
MP:0000061	fragile skeleton
ENSG00000171311	EXOSC1 PPI subnetwork
GO:0004114	3',5'-cyclic-nucleotide phosphodiesterase activity
ENSG00000129473	BCL2L2 PPI subnetwork
ENSG00000181163	NPM1 PPI subnetwork
MP:0009760	abnormal mitotic spindle morphology
GO:0060740	prostate gland epithelium morphogenesis
ENSG00000131043	C20orf4 PPI subnetwork
GO:0007585	respiratory gaseous exchange
ENSG00000164611	PTTG1 PPI subnetwork
ENSG00000126562	WNK4 PPI subnetwork
MP:0000035	abnormal membranous labyrinth morphology
ENSG00000173473	SMARCC1 PPI subnetwork
GO:0001658	branching involved in ureteric bud morphogenesis
ENSG00000172301	C17orf79 PPI subnetwork
ENSG00000070814	TCOF1 PPI subnetwork
ENSG00000120802	TMPO PPI subnetwork
ENSG00000146729	GBAS PPI subnetwork
ENSG00000111802	TDP2 PPI subnetwork
ENSG00000013583	HEBP1 PPI subnetwork
GO:0001659	temperature homeostasis
ENSG00000145781	COMMD10 PPI subnetwork
MP:0000522	kidney cortex cysts
ENSG00000136273	HUS1 PPI subnetwork
GO:0009636	response to toxin
GO:0007507	heart development
ENSG00000135404	CD63 PPI subnetwork
GO:0019229	regulation of vasoconstriction
GO:0031258	lamellipodium membrane
REACTOME_P2Y_RECEPTORS	REACTOME_P2Y_RECEPTORS
MP:0004970	kidney atrophy
ENSG00000106682	EIF4H PPI subnetwork
GO:0007398	ectoderm development
MP:0008687	increased interleukin-2 secretion
ENSG00000101331	C20orf160 PPI subnetwork
ENSG00000139352	ASCL1 PPI subnetwork
ENSG00000198641	ENSG00000198641 PPI subnetwork

ENSG00000143627	PKLR PPI subnetwork
ENSG00000129084	PSMA1 PPI subnetwork
GO:0030111	regulation of Wnt receptor signaling pathway
GO:0061053	somite development
GO:0045351	type I interferon biosynthetic process
GO:0001614	purinergic nucleotide receptor activity
GO:0016502	nucleotide receptor activity
GO:0006595	polyamine metabolic process
GO:0009451	RNA modification
ENSG00000177791	MYOZ1 PPI subnetwork
GO:0055074	calcium ion homeostasis
MP:0001844	autoimmune response
ENSG00000173465	SSSCA1 PPI subnetwork
ENSG00000164934	DCAF13 PPI subnetwork
MP:0009504	abnormal mammary gland epithelium morphology
GO:0002695	negative regulation of leukocyte activation
MP:0005599	increased cardiac muscle contractility
ENSG00000112049	ENSG00000112049 PPI subnetwork
ENSG00000150760	DOCK1 PPI subnetwork
ENSG00000117713	ARID1A PPI subnetwork
GO:0042033	chemokine biosynthetic process
GO:0006695	cholesterol biosynthetic process
ENSG00000169957	ZNF768 PPI subnetwork
MP:0002945	abnormal inhibitory postsynaptic currents
MP:0011094	complete embryonic lethality before implantation
ENSG00000160469	BRSK1 PPI subnetwork
GO:0000289	nuclear-transcribed mRNA poly(A) tail shortening
ENSG00000133101	CCNA1 PPI subnetwork
ENSG00000172725	CORO1B PPI subnetwork
ENSG00000106299	WASL PPI subnetwork
MP:0005421	loose skin
ENSG00000115977	AAK1 PPI subnetwork
MP:0004404	cochlear outer hair cell degeneration
GO:0048016	inositol phosphate-mediated signaling
GO:0060395	SMAD protein signal transduction
ENSG00000054267	ARID4B PPI subnetwork
ENSG00000137285	TUBB2B PPI subnetwork
ENSG00000142039	CCDC97 PPI subnetwork
ENSG00000065548	ZC3H15 PPI subnetwork
GO:0060076	excitatory synapse
ENSG00000102978	POLR2C PPI subnetwork
GO:0035145	exon-exon junction complex
REACTOME_MAP_KINASE_ACTIVATION_IN	REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE
GO:0009070	serine family amino acid biosynthetic process
GO:0043240	Fanconi anaemia nuclear complex
GO:0090103	cochlea morphogenesis
ENSG00000177728	KIAA0195 PPI subnetwork
ENSG00000101343	CRNKL1 PPI subnetwork
MP:0003886	abnormal embryonic epiblast morphology
ENSG00000107779	BMPR1A PPI subnetwork

GO:0005689	U12-type spliceosomal complex
ENSG00000111664	GNB3 PPI subnetwork
MP:0002095	abnormal skin pigmentation
GO:0016180	snRNA processing
GO:0019894	kinesin binding
ENSG00000001167	NFYA PPI subnetwork
MP:0000572	abnormal autopod morphology
ENSG00000137575	SDCBP PPI subnetwork
ENSG00000175866	BAIAP2 PPI subnetwork
GO:0022415	viral reproductive process
MP:0005630	increased lung weight
ENSG00000183918	SH2D1A PPI subnetwork
GO:0003006	developmental process involved in reproduction
GO:0005283	sodium:amino acid symporter activity
MP:0001828	abnormal T cell activation
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HE	KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLO
ENSG00000065150	IPO5 PPI subnetwork
MP:0008189	increased transitional stage B cell number
ENSG00000149136	SSRP1 PPI subnetwork
GO:0019362	pyridine nucleotide metabolic process
GO:0072524	pyridine-containing compound metabolic process
GO:0042393	histone binding
GO:0030512	negative regulation of transforming growth factor beta recept
MP:0001386	abnormal maternal nurturing
ENSG00000171490	RSL1D1 PPI subnetwork
MP:0003290	intestinal hypoperistalsis
MP:0001326	retinal degeneration
ENSG00000111361	EIF2B1 PPI subnetwork
MP:0009887	abnormal palatal shelf fusion at midline
GO:0045295	gamma-catenin binding
MP:0000233	abnormal blood flow velocity
GO:0045777	positive regulation of blood pressure
ENSG00000174371	EXO1 PPI subnetwork
GO:0005057	receptor signaling protein activity
GO:0048846	axon extension involved in axon guidance
GO:0046777	protein autophosphorylation
ENSG00000106263	EIF3B PPI subnetwork
ENSG00000059769	DNAJC25 PPI subnetwork
MP:0001324	abnormal eye pigmentation
MP:0008280	male germ cell apoptosis
GO:0007435	salivary gland morphogenesis
ENSG00000149311	ATM PPI subnetwork
MP:0000274	enlarged heart
MP:0001970	abnormal pain threshold
GO:0016581	NuRD complex
GO:0045668	negative regulation of osteoblast differentiation
GO:0017069	snRNA binding
ENSG00000099341	PSMD8 PPI subnetwork
GO:0005637	nuclear inner membrane
ENSG00000140379	BCL2A1 PPI subnetwork

ENSG00000198791	CNOT7 PPI subnetwork
ENSG00000167815	PRDX2 PPI subnetwork
GO:0070717	poly-purine tract binding
GO:0005762	mitochondrial large ribosomal subunit
GO:0000315	organellar large ribosomal subunit
ENSG00000198380	GFPT1 PPI subnetwork
KEGG_COLORECTAL_CANCER	KEGG_COLORECTAL_CANCER
ENSG00000108433	GOSR2 PPI subnetwork
ENSG00000072062	PRKACA PPI subnetwork
ENSG00000123091	RNF11 PPI subnetwork
REACTOME_THE_CITRIC_ACID_TCA_CYCLE_	REACTOME_THE_CITRIC_ACID_TCA_CYCLE_AND_RESPIRATOR
GO:0007173	epidermal growth factor receptor signaling pathway
ENSG00000120659	TNFSF11 PPI subnetwork
MP:0001406	abnormal gait
ENSG00000011007	TCEB3 PPI subnetwork
ENSG00000009954	BAZ1B PPI subnetwork
ENSG00000109107	ALDOC PPI subnetwork
GO:0060512	prostate gland morphogenesis
ENSG00000111450	STX2 PPI subnetwork
ENSG00000131791	PRKAB2 PPI subnetwork
MP:0000823	abnormal lateral ventricle morphology
GO:0002758	innate immune response-activating signal transduction
ENSG00000167136	ENDOG PPI subnetwork
MP:0004726	abnormal nasal capsule morphology
REACTOME_NUCLEOTIDE:LIKE_PURINERGIC	REACTOME_NUCLEOTIDE:LIKE_PURINERGIC_RECEPTORS
MP:0008498	decreased IgG3 level
GO:0015370	solute:sodium symporter activity
GO:0035710	CD4-positive, alpha-beta T cell activation
GO:0005643	nuclear pore
GO:0043130	ubiquitin binding
GO:0000038	very long-chain fatty acid metabolic process
MP:0004740	sensorineural hearing loss
GO:0002027	regulation of heart rate
ENSG00000180817	PPA1 PPI subnetwork
MP:0003123	paternal imprinting
ENSG00000125484	GTF3C4 PPI subnetwork
REACTOME_THROMBIN_SIGNALLING_THRC	REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE
ENSG00000206419	ENSG00000206419 PPI subnetwork
ENSG00000206495	TRIM39 PPI subnetwork
ENSG00000204599	TRIM39 PPI subnetwork
MP:0001154	seminiferous tubule degeneration
GO:0050769	positive regulation of neurogenesis
GO:0060606	tube closure
ENSG00000108379	WNT3 PPI subnetwork
GO:0031625	ubiquitin protein ligase binding
ENSG00000178209	PLEC PPI subnetwork
GO:0048588	developmental cell growth
GO:0015844	monoamine transport
MP:0009583	increased keratinocyte proliferation
GO:0032182	small conjugating protein binding

GO:0031970	organelle envelope lumen
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in imm
GO:0042093	T-helper cell differentiation
REACTOME_INFLUENZA_VIRAL_RNA_TRAN	REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_R
GO:0042176	regulation of protein catabolic process
MP:0004532	abnormal inner hair cell stereociliary bundle morphology
ENSG00000151461	UPF2 PPI subnetwork
GO:0007265	Ras protein signal transduction
REACTOME_NUCLEAR_SIGNALING_BY_ERB	REACTOME_NUCLEAR_SIGNALING_BY_ERBB4
ENSG00000117650	NEK2 PPI subnetwork
GO:0035091	phosphatidylinositol binding
GO:0031593	polyubiquitin binding
ENSG00000106541	AGR2 PPI subnetwork
ENSG00000150867	PIP4K2A PPI subnetwork
GO:0015295	solute:hydrogen symporter activity
ENSG00000137076	TLN1 PPI subnetwork
ENSG00000170606	HSPA4 PPI subnetwork
ENSG00000113649	TCERG1 PPI subnetwork
GO:0048634	regulation of muscle organ development
ENSG00000135940	COX5B PPI subnetwork
MP:0008392	decreased primordial germ cell number
ENSG00000062038	CDH3 PPI subnetwork
ENSG00000187325	TAF9B PPI subnetwork
ENSG00000215760	ENSG00000215760 PPI subnetwork
GO:0060485	mesenchyme development
GO:0005721	centromeric heterochromatin
GO:0006939	smooth muscle contraction
ENSG00000147869	CER1 PPI subnetwork
MP:0000558	abnormal tibia morphology
ENSG00000164683	HEY1 PPI subnetwork
MP:0006036	abnormal mitochondrial physiology
REACTOME_REV:MEDIATED_NUCLEAR_EXP	REACTOME_REV:MEDIATED_NUCLEAR_EXPORT_OF_HIV:1_RN
MP:0005480	increased circulating triiodothyronine level
ENSG00000185627	PSMD13 PPI subnetwork
REACTOME_FORMATION_OF_HIV:1_ELONG	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX_
REACTOME_TAT:MEDIATED_ELONGATION_	REACTOME_TAT:MEDIATED_ELONGATION_OF_THE_HIV:1_TR
REACTOME_HIV:1_TRANSCRIPTION_ELONG	REACTOME_HIV:1_TRANSCRIPTION_ELONGATION
ENSG00000137497	NUMA1 PPI subnetwork
GO:0070670	response to interleukin-4
MP:0008518	retinal outer nuclear layer degeneration
MP:0005167	abnormal blood-brain barrier function
ENSG00000007968	E2F2 PPI subnetwork
ENSG00000182195	LDOC1 PPI subnetwork
ENSG00000131149	KIAA0182 PPI subnetwork
MP:0006092	abnormal olfactory neuron morphology
ENSG00000170312	CDK1 PPI subnetwork
ENSG00000118046	STK11 PPI subnetwork
ENSG00000155760	FZD7 PPI subnetwork
GO:0035586	purinergic receptor activity
ENSG00000086205	FOLH1 PPI subnetwork

ENSG00000173660	UQCRH PPI subnetwork
GO:0061351	neural precursor cell proliferation
GO:0016073	snRNA metabolic process
GO:0002221	pattern recognition receptor signaling pathway
GO:0002920	regulation of humoral immune response
ENSG00000105829	BET1 PPI subnetwork
MP:0001806	decreased IgM level
ENSG00000136754	ABI1 PPI subnetwork
ENSG00000107371	EXOSC3 PPI subnetwork
MP:0004784	abnormal anterior cardinal vein morphology
MP:0003056	abnormal hyoid bone morphology
ENSG00000147130	ZMYM3 PPI subnetwork
ENSG00000001626	CFTR PPI subnetwork
ENSG00000187840	EIF4EBP1 PPI subnetwork
ENSG00000135597	REPS1 PPI subnetwork
GO:0005328	neurotransmitter:sodium symporter activity
ENSG00000132646	PCNA PPI subnetwork
GO:0034470	ncRNA processing
ENSG00000065154	OAT PPI subnetwork
GO:0015399	primary active transmembrane transporter activity
GO:0015405	P-P-bond-hydrolysis-driven transmembrane transporter activit
ENSG00000148773	MKI67 PPI subnetwork
GO:0001772	immunological synapse
GO:0048645	organ formation
MP:0003161	absent lateral semicircular canal
GO:0003338	metanephros morphogenesis
GO:0016289	CoA hydrolase activity
ENSG00000183691	NOG PPI subnetwork
REACTOME_IRON_UPTAKE_AND_TRANSPO	REACTOME_IRON_UPTAKE_AND_TRANSPORT
MP:0010249	lactation failure
ENSG00000105135	ILVBL PPI subnetwork
ENSG00000138468	SENP7 PPI subnetwork
GO:0072507	divalent inorganic cation homeostasis
REACTOME_HIV_LIFE_CYCLE	REACTOME_HIV_LIFE_CYCLE
ENSG00000197170	PSMD12 PPI subnetwork
ENSG00000106588	PSMA2 PPI subnetwork
GO:0014812	muscle cell migration
ENSG00000127511	SIN3B PPI subnetwork
MP:0005202	lethargy
GO:0009612	response to mechanical stimulus
MP:0008682	decreased interleukin-17 secretion
GO:0005758	mitochondrial intermembrane space
MP:0000690	absent spleen
ENSG00000120949	TNFRSF8 PPI subnetwork
ENSG00000072135	PTPN18 PPI subnetwork
MP:0000714	increased thymocyte number
ENSG00000101444	AHCY PPI subnetwork
MP:0000131	abnormal long bone epiphysis morphology
GO:0051536	iron-sulfur cluster binding
GO:0051540	metal cluster binding

ENSG00000188130	MAPK12 PPI subnetwork
ENSG00000185630	PBX1 PPI subnetwork
ENSG00000182287	AP1S2 PPI subnetwork
GO:0008630	DNA damage response, signal transduction resulting in inducti
GO:0021549	cerebellum development
MP:0001385	pup cannibalization
REACTOME_FGFR4_LIGAND_BINDING_AND	REACTOME_FGFR4_LIGAND_BINDING_AND_ACTIVATION
ENSG00000118058	MLL PPI subnetwork
ENSG00000140988	RPS2 PPI subnetwork
ENSG00000135018	UBQLN1 PPI subnetwork
ENSG00000020426	MNAT1 PPI subnetwork
ENSG00000182180	MRPS16 PPI subnetwork
MP:0002940	variable body spotting
ENSG00000180370	PAK2 PPI subnetwork
GO:0010243	response to organic nitrogen
ENSG00000167552	TUBA1A PPI subnetwork
GO:0009267	cellular response to starvation
ENSG00000108797	CNTNAP1 PPI subnetwork
MP:0001415	increased exploration in new environment
GO:0005154	epidermal growth factor receptor binding
ENSG00000079335	CDC14A PPI subnetwork
ENSG00000198087	CD2AP PPI subnetwork
ENSG00000134057	CCNB1 PPI subnetwork
GO:0090178	regulation of establishment of planar polarity involved in neur
GO:0090179	planar cell polarity pathway involved in neural tube closure
ENSG00000107295	SH3GL2 PPI subnetwork
ENSG00000138071	ACTR2 PPI subnetwork
MP:0004592	small mandible
GO:2000106	regulation of leukocyte apoptotic process
ENSG00000205307	SAP25 PPI subnetwork
ENSG00000077454	LRCH4 PPI subnetwork
ENSG00000092201	SUPT16H PPI subnetwork
ENSG00000116750	UCHL5 PPI subnetwork
KEGG_PATHOGENIC_ESCHERICHIA_COLI_IN	KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION
MP:0004148	increased compact bone thickness
ENSG00000164251	F2RL1 PPI subnetwork
GO:0005161	platelet-derived growth factor receptor binding
REACTOME_NEGATIVE_REGULATORS_OF_F	REACTOME_NEGATIVE_REGULATORS_OF_RIG:IMDA5_SIGNAL
ENSG00000138768	USO1 PPI subnetwork
ENSG00000162188	GNG3 PPI subnetwork
ENSG00000145782	ATG12 PPI subnetwork
ENSG00000105953	OGDH PPI subnetwork
ENSG00000082516	GEMIN5 PPI subnetwork
ENSG00000111245	MYL2 PPI subnetwork
ENSG00000152256	PDK1 PPI subnetwork
REACTOME_FORMATION_OF_HIV:1_ELONG	REACTOME_FORMATION_OF_HIV:1_ELONGATION_COMPLEX
REACTOME_FORMATION_OF_RNA_POL_II_	REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_CO
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_ELONGAT
ENSG00000130640	TUBGCP2 PPI subnetwork
ENSG00000078304	PPP2R5C PPI subnetwork

GO:0032354	response to follicle-stimulating hormone stimulus
MP:0001178	pulmonary hypoplasia
ENSG00000065518	NDUFB4 PPI subnetwork
ENSG00000215727	ENSG00000215727 PPI subnetwork
ENSG00000174197	MGA PPI subnetwork
ENSG00000169641	LUZP1 PPI subnetwork
KEGG_MTOR_SIGNALING_PATHWAY	KEGG_MTOR_SIGNALING_PATHWAY
MP:0002948	abnormal neuron specification
GO:0001667	ameboidal cell migration
GO:0003230	cardiac atrium development
ENSG00000115268	RPS15 PPI subnetwork
ENSG00000107581	EIF3A PPI subnetwork
ENSG00000169282	KCNAB1 PPI subnetwork
MP:0002761	abnormal hippocampal mossy fiber morphology
ENSG00000183856	IQGAP3 PPI subnetwork
ENSG00000010818	HIVEP2 PPI subnetwork
MP:0001793	altered susceptibility to infection
MP:0004816	abnormal class switch recombination
MP:0001292	abnormal lens vesicle development
GO:0003333	amino acid transmembrane transport
GO:0015695	organic cation transport
GO:0006013	mannose metabolic process
GO:0017075	syntaxin-1 binding
GO:0005086	ARF guanyl-nucleotide exchange factor activity
ENSG00000084207	GSTP1 PPI subnetwork
ENSG00000118680	MYL12B PPI subnetwork
MP:0003633	abnormal nervous system physiology
ENSG00000148308	GTF3C5 PPI subnetwork
ENSG00000142507	PSMB6 PPI subnetwork
GO:0051952	regulation of amine transport
ENSG00000079805	DNM2 PPI subnetwork
ENSG00000138795	LEF1 PPI subnetwork
GO:0000139	Golgi membrane
ENSG00000122565	CBX3 PPI subnetwork
ENSG00000107242	PIP5K1B PPI subnetwork
ENSG00000173210	ABLIM3 PPI subnetwork
ENSG00000164105	SAP30 PPI subnetwork
GO:0003950	NAD+ ADP-ribosyltransferase activity
GO:0046496	nicotinamide nucleotide metabolic process
MP:0000841	abnormal hindbrain morphology
ENSG00000128609	NDUFA5 PPI subnetwork
GO:0008037	cell recognition
GO:0005545	1-phosphatidylinositol binding
GO:0008194	UDP-glycosyltransferase activity
MP:0002243	abnormal vomeronasal organ morphology
GO:0072531	pyrimidine-containing compound transmembrane transport
GO:0033619	membrane protein proteolysis
GO:0022404	molting cycle process
GO:0001942	hair follicle development
GO:0022405	hair cycle process

ENSG00000100764	PSMC1 PPI subnetwork
ENSG00000134480	CCNH PPI subnetwork
MP:0004803	increased susceptibility to autoimmune diabetes
MP:0002840	abnormal lens fiber morphology
GO:0002577	regulation of antigen processing and presentation
GO:0019717	synaptosome
ENSG00000135090	TAOK3 PPI subnetwork
ENSG00000104825	NFKBIB PPI subnetwork
KEGG_WNT_SIGNALING_PATHWAY	KEGG_WNT_SIGNALING_PATHWAY
ENSG00000132906	CASP9 PPI subnetwork
ENSG00000142599	RERE PPI subnetwork
GO:0032784	regulation of transcription elongation, DNA-dependent
KEGG_TERPENOID_BACKBONE_BIOSYNTHE	KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS
GO:0043367	CD4-positive, alpha-beta T cell differentiation
ENSG00000143520	FLG2 PPI subnetwork
ENSG00000051382	PIK3CB PPI subnetwork
ENSG00000148053	NTRK2 PPI subnetwork
GO:0001726	ruffle
GO:0048019	receptor antagonist activity
GO:0030547	receptor inhibitor activity
ENSG00000172680	MOS PPI subnetwork
MP:0001524	impaired limb coordination
MP:0008277	abnormal sternum ossification
GO:0005109	frizzled binding
MP:0000554	abnormal carpal bone morphology
GO:0004112	cyclic-nucleotide phosphodiesterase activity
ENSG00000165659	DACH1 PPI subnetwork
ENSG00000138794	CASP6 PPI subnetwork
ENSG00000163288	GABRB1 PPI subnetwork
ENSG00000082146	STRADB PPI subnetwork
ENSG00000013275	PSMC4 PPI subnetwork
ENSG00000101158	TH1L PPI subnetwork
MP:0001404	no spontaneous movement
ENSG00000212874	ENSG00000212874 PPI subnetwork
ENSG00000198712	MT-CO2 PPI subnetwork
ENSG00000198042	MAK16 PPI subnetwork
GO:0014031	mesenchymal cell development
ENSG00000141522	ARHGDIA PPI subnetwork
GO:0048844	artery morphogenesis
MP:0004024	aneuploidy
KEGG_RENIN_ANGIOTENSIN_SYSTEM	KEGG_RENIN_ANGIOTENSIN_SYSTEM
GO:0005681	spliceosomal complex
GO:0008484	sulfuric ester hydrolase activity
GO:0050432	catecholamine secretion
ENSG00000174021	GNG5 PPI subnetwork
GO:0031201	SNARE complex
GO:0042119	neutrophil activation
GO:0006400	tRNA modification
GO:0009311	oligosaccharide metabolic process
REACTOME_INTERACTIONS_OF_VPR_WITH	REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_

ENSG00000081189	MEF2C PPI subnetwork
REACTOME_SRP:DEPENDENT_COTRANSLAT	REACTOME_SRP:DEPENDENT_COTRANSLATIONAL_PROTEIN_T
ENSG00000165912	PACSIN3 PPI subnetwork
GO:0060562	epithelial tube morphogenesis
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_TERMINA
REACTOME_VIRAL_MRNA_TRANSLATION	REACTOME_VIRAL_MRNA_TRANSLATION
GO:0048608	reproductive structure development
GO:0006405	RNA export from nucleus
GO:2000243	positive regulation of reproductive process
ENSG00000055130	CUL1 PPI subnetwork
ENSG00000023445	BIRC3 PPI subnetwork
ENSG00000129824	RPS4Y1 PPI subnetwork
ENSG00000140986	RPL3L PPI subnetwork
ENSG00000131504	DIAPH1 PPI subnetwork
MP:0001394	circling
ENSG00000156052	GNAQ PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES
ENSG00000142675	CNKSR1 PPI subnetwork
GO:0010212	response to ionizing radiation
ENSG00000102753	KPNA3 PPI subnetwork
MP:0000159	abnormal xiphoid process morphology
ENSG00000106628	POLD2 PPI subnetwork
MP:0008535	enlarged lateral ventricles
GO:0046966	thyroid hormone receptor binding
ENSG00000149187	CELF1 PPI subnetwork
REACTOME_LATE_PHASE_OF_HIV_LIFE_CY	REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE
ENSG00000105926	MPP6 PPI subnetwork
MP:0011228	abnormal vitamin D level
GO:0042633	hair cycle
GO:0042303	molting cycle
ENSG00000175063	UBE2C PPI subnetwork
REACTOME_MAPK_TARGETS_NUCLEAR_EV	REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_
MP:0002857	cochlear ganglion degeneration
MP:0002286	cryptorchism
GO:0061387	regulation of extent of cell growth
ENSG00000107262	BAG1 PPI subnetwork
MP:0008127	decreased dendritic cell number
ENSG00000157240	FZD1 PPI subnetwork
MP:0001516	abnormal motor coordination/ balance
ENSG00000105894	PTN PPI subnetwork
GO:0007292	female gamete generation
GO:0043021	ribonucleoprotein complex binding
GO:0031527	filopodium membrane
GO:0001756	somitogenesis
ENSG00000108819	ENSG00000108819 PPI subnetwork
GO:0019058	viral infectious cycle
ENSG00000149269	PAK1 PPI subnetwork
GO:0006084	acetyl-CoA metabolic process
GO:0007176	regulation of epidermal growth factor-activated receptor activ
REACTOME_G_ALPHA_Q_SIGNALLING_EVE	REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS

KEGG_CELL_CYCLE	KEGG_CELL_CYCLE
MP:0000759	abnormal skeletal muscle morphology
GO:0005902	microvillus
ENSG00000171148	TADA3 PPI subnetwork
REACTOME_NOD12_SIGNALING_PATHWAY	REACTOME_NOD12_SIGNALING_PATHWAY
ENSG00000164975	SNAPC3 PPI subnetwork
GO:0043281	regulation of cysteine-type endopeptidase activity involved in
ENSG00000125753	VASP PPI subnetwork
GO:0000146	microfilament motor activity
MP:0005165	increased susceptibility to injury
MP:0009379	abnormal foot pigmentation
ENSG00000064393	HIPK2 PPI subnetwork
ENSG00000155363	MOV10 PPI subnetwork
GO:0043392	negative regulation of DNA binding
ENSG00000012048	BRCA1 PPI subnetwork
ENSG00000119772	DNMT3A PPI subnetwork
GO:0000375	RNA splicing, via transesterification reactions
ENSG00000118491	C6orf94 PPI subnetwork
ENSG00000171791	BCL2 PPI subnetwork
MP:0001982	decreased chemically-elicited antinociception
ENSG00000166226	CCT2 PPI subnetwork
KEGG_ERBB_SIGNALING_PATHWAY	KEGG_ERBB_SIGNALING_PATHWAY
GO:0035023	regulation of Rho protein signal transduction
ENSG00000125630	POLR1B PPI subnetwork
GO:0016197	endosomal transport
ENSG00000171346	KRT15 PPI subnetwork
REACTOME_NF:KB_ACTIVATION_THROUGH	REACTOME_NF:KB_ACTIVATION_THROUGH_FADDRIP:1_PATH
GO:0030879	mammary gland development
KEGG_MAPK_SIGNALING_PATHWAY	KEGG_MAPK_SIGNALING_PATHWAY
ENSG00000162302	RPS6KA4 PPI subnetwork
GO:0030073	insulin secretion
GO:0000790	nuclear chromatin
GO:0010769	regulation of cell morphogenesis involved in differentiation
ENSG00000129757	CDKN1C PPI subnetwork
ENSG00000100227	POLDIP3 PPI subnetwork
MP:0002625	heart left ventricle hypertrophy
GO:0045123	cellular extravasation
ENSG00000175333	ENSG00000175333 PPI subnetwork
ENSG00000067182	TNFRSF1A PPI subnetwork
ENSG00000123080	CDKN2C PPI subnetwork
GO:0005031	tumor necrosis factor-activated receptor activity
ENSG00000116095	PLEKHA3 PPI subnetwork
ENSG00000133026	MYH10 PPI subnetwork
GO:0051188	cofactor biosynthetic process
ENSG00000184381	PLA2G6 PPI subnetwork
ENSG00000168243	GNG4 PPI subnetwork
REACTOME_ACTIVATION_OF_THE_MRNA_I	REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_O
GO:0003713	transcription coactivator activity
ENSG00000094631	HDAC6 PPI subnetwork
MP:0008133	decreased Peyer's patch number

ENSG00000127928	GNGT1 PPI subnetwork
ENSG00000090054	SPTLC1 PPI subnetwork
ENSG00000015285	WAS PPI subnetwork
ENSG00000204394	VARS PPI subnetwork
ENSG00000096171	VARS PPI subnetwork
ENSG00000135446	CDK4 PPI subnetwork
GO:0045823	positive regulation of heart contraction
ENSG00000172399	MYOZ2 PPI subnetwork
MP:0000034	abnormal vestibule morphology
GO:0043300	regulation of leukocyte degranulation
ENSG00000109475	RPL34 PPI subnetwork
ENSG00000171497	PPID PPI subnetwork
ENSG00000129351	ILF3 PPI subnetwork
ENSG00000122180	MYOG PPI subnetwork
ENSG00000156931	VPS8 PPI subnetwork
ENSG00000169714	CNBP PPI subnetwork
MP:0000125	absent incisors
REACTOME_SEMA4D_INDUCED_CELL_MIGI	REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GRC
ENSG00000138018	EPT1 PPI subnetwork
ENSG00000166484	MAPK7 PPI subnetwork
REACTOME_FGFR3C_LIGAND_BINDING_AN	REACTOME_FGFR3C_LIGAND_BINDING_AND_ACTIVATION
REACTOME_FGFR3_LIGAND_BINDING_AND	REACTOME_FGFR3_LIGAND_BINDING_AND_ACTIVATION
MP:0004566	myocardial fiber degeneration
GO:0072001	renal system development
ENSG00000106144	CASP2 PPI subnetwork
REACTOME_FRS2:MEDIATED_ACTIVATION	REACTOME_FRS2:MEDIATED_ACTIVATION
GO:0046578	regulation of Ras protein signal transduction
GO:0045088	regulation of innate immune response
GO:0004693	cyclin-dependent protein kinase activity
ENSG00000164708	PGAM2 PPI subnetwork
ENSG00000153922	CHD1 PPI subnetwork
ENSG00000130713	EXOSC2 PPI subnetwork
GO:0048365	Rac GTPase binding
GO:0005035	death receptor activity
ENSG00000108424	KPNB1 PPI subnetwork
GO:0051607	defense response to virus
MP:0008725	enlarged heart atrium
GO:0001837	epithelial to mesenchymal transition
REACTOME_ACTIVATED_TAK1_MEDIATES_I	REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVA
GO:0003179	heart valve morphogenesis
ENSG00000079102	RUNX1T1 PPI subnetwork
MP:0002024	T cell derived lymphoma
ENSG00000111052	LIN7A PPI subnetwork
ENSG00000138396	ENSG00000138396 PPI subnetwork
GO:0015293	symporter activity
GO:0050321	tau-protein kinase activity
ENSG00000102226	USP11 PPI subnetwork
MP:0004392	abnormal CD8-positive T cell physiology
ENSG00000090615	GOLGA3 PPI subnetwork
ENSG00000123737	EXOSC9 PPI subnetwork

ENSG00000170248	PDCD6IP PPI subnetwork
ENSG00000197459	HIST1H2BH PPI subnetwork
REACTOME_GPVI:MEDIATED_ACTIVATION_	REACTOME_GPVI:MEDIATED_ACTIVATION_CASCADE
GO:0003682	chromatin binding
ENSG00000130706	ADRM1 PPI subnetwork
ENSG00000082074	FYB PPI subnetwork
ENSG00000163032	VSNL1 PPI subnetwork
GO:0050867	positive regulation of cell activation
ENSG00000160867	FGFR4 PPI subnetwork
GO:0019674	NAD metabolic process
MP:0000239	absent common myeloid progenitor cells
ENSG00000163877	SNIP1 PPI subnetwork
GO:0043304	regulation of mast cell degranulation
GO:0050715	positive regulation of cytokine secretion
ENSG00000180182	MED14 PPI subnetwork
MP:0005352	small cranium
ENSG00000163349	HIPK1 PPI subnetwork
GO:0030880	RNA polymerase complex
GO:0042098	T cell proliferation
ENSG00000160584	SIK3 PPI subnetwork
ENSG00000071051	NCK2 PPI subnetwork
GO:2000116	regulation of cysteine-type endopeptidase activity
GO:0045073	regulation of chemokine biosynthetic process
ENSG00000124762	CDKN1A PPI subnetwork
ENSG00000111087	GLI1 PPI subnetwork
ENSG00000072134	EPN2 PPI subnetwork
ENSG00000137831	UACA PPI subnetwork
ENSG00000010671	BTK PPI subnetwork
GO:0046635	positive regulation of alpha-beta T cell activation
GO:0043062	extracellular structure organization
GO:0030198	extracellular matrix organization
MP:0002339	abnormal lymph node morphology
ENSG00000104976	SNAPC2 PPI subnetwork
ENSG00000099204	ABLIM1 PPI subnetwork
GO:0008093	cytoskeletal adaptor activity
ENSG00000138031	ADCY3 PPI subnetwork
GO:0006501	C-terminal protein lipidation
GO:0000377	RNA splicing, via transesterification reactions with bulged ade
GO:0000398	nuclear mRNA splicing, via spliceosome
ENSG00000143614	GATAD2B PPI subnetwork
ENSG00000099882	ENSG00000099882 PPI subnetwork
ENSG00000144891	AGTR1 PPI subnetwork
MP:0002938	white spotting
MP:0005551	abnormal eye electrophysiology
GO:0006107	oxaloacetate metabolic process
ENSG00000076924	XAB2 PPI subnetwork
MP:0001961	abnormal reflex
GO:0016055	Wnt receptor signaling pathway
GO:0021903	rostrocaudal neural tube patterning
GO:0051539	4 iron, 4 sulfur cluster binding

ENSG00000139970	RTN1 PPI subnetwork
ENSG00000122034	GTF3A PPI subnetwork
ENSG00000092203	TOX4 PPI subnetwork
ENSG00000198374	HIST1H2AL PPI subnetwork
ENSG00000196747	HIST1H2AI PPI subnetwork
ENSG00000196866	HIST1H2AD PPI subnetwork
ENSG00000184348	HIST1H2AK PPI subnetwork
ENSG00000196787	HIST1H2AG PPI subnetwork
ENSG00000146007	ZMAT2 PPI subnetwork
MP:0001648	abnormal apoptosis
ENSG00000084623	EIF3I PPI subnetwork
ENSG00000065526	SPEN PPI subnetwork
GO:0051091	positive regulation of sequence-specific DNA binding transcrip
ENSG00000155511	GRIA1 PPI subnetwork
ENSG00000178741	COX5A PPI subnetwork
ENSG00000106367	AP1S1 PPI subnetwork
GO:0015175	neutral amino acid transmembrane transporter activity
GO:0014020	primary neural tube formation
ENSG00000015153	YAF2 PPI subnetwork
MP:0005407	hyperalgesia
GO:0051018	protein kinase A binding
ENSG00000104064	GABPB1 PPI subnetwork
ENSG00000146047	HIST1H2BA PPI subnetwork
MP:0008076	abnormal CD4-positive T cell differentiation
REACTOME_ISG15_ANTIVIRAL_MECHANISM	REACTOME_ISG15_ANTIVIRAL_MECHANISM
REACTOME_ANTIVIRAL_MECHANISM_BY_I	REACTOME_ANTIVIRAL_MECHANISM_BY_IFN:STIMULATED_G
ENSG00000143398	PIP5K1A PPI subnetwork
ENSG00000162889	MAPKAPK2 PPI subnetwork
GO:0002831	regulation of response to biotic stimulus
MP:0000925	abnormal floor plate morphology
REACTOME_RETROGRADE_NEUROTROPHIN	REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLING
GO:0004712	protein serine/threonine/tyrosine kinase activity
GO:0055017	cardiac muscle tissue growth
GO:0071248	cellular response to metal ion
ENSG00000101084	C20orf24 PPI subnetwork
GO:0045649	regulation of macrophage differentiation
GO:0043409	negative regulation of MAPK cascade
GO:0048305	immunoglobulin secretion
ENSG00000069956	MAPK6 PPI subnetwork
ENSG00000102572	STK24 PPI subnetwork
GO:0008063	Toll signaling pathway
ENSG00000139112	GABARAPL1 PPI subnetwork
GO:0055037	recycling endosome
GO:0043200	response to amino acid stimulus
GO:0022408	negative regulation of cell-cell adhesion
ENSG00000206503	HLA-A PPI subnetwork
GO:0030216	keratinocyte differentiation
ENSG00000110092	CCND1 PPI subnetwork
ENSG00000173534	ENSG00000173534 PPI subnetwork
ENSG00000170847	ENSG00000170847 PPI subnetwork

GO:0032760	positive regulation of tumor necrosis factor production
MP:0008254	increased megakaryocyte cell number
GO:0007586	digestion
ENSG00000197822	OCLN PPI subnetwork
ENSG00000172977	KAT5 PPI subnetwork
GO:0022029	telencephalon cell migration
GO:0070661	leukocyte proliferation
GO:0008527	taste receptor activity
ENSG00000085231	TAF9 PPI subnetwork
MP:0004736	abnormal distortion product otoacoustic emission
ENSG00000131788	PIAS3 PPI subnetwork
ENSG00000003402	CFLAR PPI subnetwork
ENSG00000197616	MYH6 PPI subnetwork
ENSG00000122026	RPL21 PPI subnetwork
GO:0000786	nucleosome
MP:0003896	prolonged PR interval
ENSG00000133265	HSPBP1 PPI subnetwork
ENSG00000174547	MRPL11 PPI subnetwork
ENSG00000160447	PKN3 PPI subnetwork
ENSG00000127388	ENSG00000127388 PPI subnetwork
ENSG00000197558	ENSG00000197558 PPI subnetwork
KEGG_APOPTOSIS	KEGG_APOPTOSIS
MP:0001208	blistering
GO:0090009	primitive streak formation
ENSG00000004897	CDC27 PPI subnetwork
ENSG00000131437	KIF3A PPI subnetwork
ENSG00000109814	UGDH PPI subnetwork
GO:0006476	protein deacetylation
ENSG00000009830	POMT2 PPI subnetwork
MP:0001900	impaired synaptic plasticity
GO:0033006	regulation of mast cell activation involved in immune response
GO:0002224	toll-like receptor signaling pathway
GO:0046651	lymphocyte proliferation
ENSG00000138722	MMRN1 PPI subnetwork
GO:0050870	positive regulation of T cell activation
ENSG00000168040	FADD PPI subnetwork
ENSG00000102024	PLS3 PPI subnetwork
GO:0031098	stress-activated protein kinase signaling cascade
ENSG00000076928	ARHGEF1 PPI subnetwork
MP:0002428	abnormal semicircular canal morphology
ENSG00000206505	HLA-A PPI subnetwork
ENSG00000101182	PSMA7 PPI subnetwork
ENSG00000183207	RUVBL2 PPI subnetwork
ENSG00000166971	AKTIP PPI subnetwork
MP:0000091	short premaxilla
GO:0008276	protein methyltransferase activity
GO:0035265	organ growth
REACTOME_TRANSLATION	REACTOME_TRANSLATION
MP:0008045	decreased NK cell number
GO:0004089	carbonate dehydratase activity

GO:0003170	heart valve development
GO:0048872	homeostasis of number of cells
GO:0048762	mesenchymal cell differentiation
ENSG00000100345	MYH9 PPI subnetwork
GO:0035102	PRC1 complex
GO:0045639	positive regulation of myeloid cell differentiation
GO:0050671	positive regulation of lymphocyte proliferation
ENSG00000141510	TP53 PPI subnetwork
REACTOME_NONSENSE_MEDIATED_DECAY	REACTOME_NONSENSE_MEDIATED_DECAY_INDEPENDENT_O
ENSG00000100325	ASCC2 PPI subnetwork
GO:0051087	chaperone binding
ENSG00000173110	HSPA6 PPI subnetwork
REACTOME_GLUTATHIONE_CONJUGATION	REACTOME_GLUTATHIONE_CONJUGATION
ENSG00000156976	EIF4A2 PPI subnetwork
ENSG00000213639	PPP1CB PPI subnetwork
GO:0044057	regulation of system process
MP:0004096	abnormal midbrain-hindbrain boundary development
GO:0034142	toll-like receptor 4 signaling pathway
GO:0008361	regulation of cell size
MP:0004765	decreased brainstem auditory evoked potential
ENSG00000203879	GDI1 PPI subnetwork
ENSG00000168214	RBPJ PPI subnetwork
ENSG00000138696	BMPR1B PPI subnetwork
ENSG00000087250	MT3 PPI subnetwork
ENSG00000112357	PEX7 PPI subnetwork
REACTOME_TRAFFICKING_OF_GLUR2:CONT	REACTOME_TRAFFICKING_OF_GLUR2:CONTAINING_AMPA_RE
GO:0021846	cell proliferation in forebrain
GO:0006643	membrane lipid metabolic process
ENSG00000117461	PIK3R3 PPI subnetwork
GO:0000149	SNARE binding
GO:0016893	endonuclease activity, active with either ribo- or deoxyribonuc
ENSG00000105193	RPS16 PPI subnetwork
ENSG00000101412	E2F1 PPI subnetwork
KEGG_HEDGEHOG_SIGNALING_PATHWAY	KEGG_HEDGEHOG_SIGNALING_PATHWAY
ENSG00000196924	FLNA PPI subnetwork
MP:0000857	abnormal cerebellar foliation
ENSG00000009307	CSDE1 PPI subnetwork
GO:0055024	regulation of cardiac muscle tissue development
ENSG00000116584	ARHGEF2 PPI subnetwork
GO:0000428	DNA-directed RNA polymerase complex
GO:0055029	nuclear DNA-directed RNA polymerase complex
MP:0002187	abnormal fibula morphology
ENSG00000156049	GNA14 PPI subnetwork
ENSG00000168412	MTNR1A PPI subnetwork
GO:0051960	regulation of nervous system development
MP:0003427	parakeratosis
GO:0072273	metanephric nephron morphogenesis
GO:0060840	artery development
GO:0046676	negative regulation of insulin secretion
GO:0006198	cAMP catabolic process

GO:0010332	response to gamma radiation
GO:0051592	response to calcium ion
ENSG00000181856	SLC2A4 PPI subnetwork
MP:0002631	abnormal epididymis morphology
REACTOME_FGFR2_LIGAND_BINDING_AND	REACTOME_FGFR2_LIGAND_BINDING_AND_ACTIVATION
ENSG00000138413	IDH1 PPI subnetwork
ENSG00000065485	PDIA5 PPI subnetwork
GO:0045995	regulation of embryonic development
GO:0001510	RNA methylation
GO:0050767	regulation of neurogenesis
ENSG00000130294	KIF1A PPI subnetwork
GO:0005680	anaphase-promoting complex
ENSG00000149948	HMGA2 PPI subnetwork
REACTOME_HORMONE_LIGAND:BINDING_	REACTOME_HORMONE_LIGAND:BINDING_RECEPTORS
GO:0010827	regulation of glucose transport
GO:0022612	gland morphogenesis
ENSG00000188846	RPL14 PPI subnetwork
ENSG00000179409	GEMIN4 PPI subnetwork
ENSG00000014138	POLA2 PPI subnetwork
ENSG00000185499	MUC1 PPI subnetwork
ENSG00000129691	ASH2L PPI subnetwork
GO:0009086	methionine biosynthetic process
ENSG00000167549	CORO6 PPI subnetwork
ENSG00000162614	NEXN PPI subnetwork
ENSG00000188529	SRSF10 PPI subnetwork
ENSG00000157500	APPL1 PPI subnetwork
ENSG00000114391	RPL24 PPI subnetwork
GO:0043631	RNA polyadenylation
ENSG00000102096	PIM2 PPI subnetwork
ENSG00000198626	RYR2 PPI subnetwork
ENSG00000089818	NECAP1 PPI subnetwork
REACTOME_METABOLISM_OF_NUCLEOTID	REACTOME_METABOLISM_OF_NUCLEOTIDES
ENSG00000114030	KPNA1 PPI subnetwork
ENSG00000084463	WBP11 PPI subnetwork
GO:0072207	metanephric epithelium development
ENSG00000205659	LIN52 PPI subnetwork
GO:0004519	endonuclease activity
GO:0048806	genitalia development
ENSG00000168067	MAP4K2 PPI subnetwork
GO:0070665	positive regulation of leukocyte proliferation
ENSG00000198053	SIRPA PPI subnetwork
GO:0006997	nucleus organization
ENSG00000175390	EIF3F PPI subnetwork
GO:0070374	positive regulation of ERK1 and ERK2 cascade
MP:0004737	absent distortion product otoacoustic emissions
ENSG00000151247	EIF4E PPI subnetwork
MP:0002196	absent corpus callosum
GO:0030282	bone mineralization
ENSG00000011052	NME2 PPI subnetwork
ENSG00000197451	HNRNPAB PPI subnetwork

ENSG00000153006	SREK1IP1 PPI subnetwork
ENSG00000076944	STXBP2 PPI subnetwork
MP:0004398	cochlear inner hair cell degeneration
MP:0006317	decreased urine sodium level
REACTOME_N:GLYCAN_ANTENNAE_ELONG	REACTOME_N:GLYCAN_ANTENNAE_ELONGATION
MP:0001236	abnormal epidermis stratum spinosum morphology
MP:0004613	fusion of vertebral arches
ENSG00000168148	HIST3H3 PPI subnetwork
ENSG00000175334	BANF1 PPI subnetwork
GO:0016202	regulation of striated muscle tissue development
MP:0003675	kidney cysts
ENSG00000147133	TAF1 PPI subnetwork
ENSG00000115866	DARS PPI subnetwork
ENSG00000167645	YIF1B PPI subnetwork
ENSG00000177542	SLC25A22 PPI subnetwork
ENSG00000132589	FLOT2 PPI subnetwork
ENSG00000176108	CHMP6 PPI subnetwork
ENSG00000144867	SRPRB PPI subnetwork
GO:0072594	establishment of protein localization to organelle
REACTOME_REGULATION_OF_APOPTOSIS	REACTOME_REGULATION_OF_APOPTOSIS
ENSG00000163541	SUCLG1 PPI subnetwork
ENSG00000168399	ENSG00000168399 PPI subnetwork
ENSG00000204273	ENSG00000204273 PPI subnetwork
GO:0006486	protein glycosylation
GO:0043413	macromolecule glycosylation
ENSG00000205726	ITSN1 PPI subnetwork
REACTOME_FGFR2C_LIGAND_BINDING_AN	REACTOME_FGFR2C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000178585	CTNNBIP1 PPI subnetwork
GO:0019905	syntaxin binding
ENSG00000124422	USP22 PPI subnetwork
ENSG00000137259	HIST1H2AB PPI subnetwork
ENSG00000168274	HIST1H2AE PPI subnetwork
ENSG00000005156	LIG3 PPI subnetwork
ENSG00000215425	DDX39B PPI subnetwork
ENSG00000198563	DDX39B PPI subnetwork
ENSG00000215412	ENSG00000215412 PPI subnetwork
ENSG00000172315	TP53RK PPI subnetwork
ENSG00000133818	RRAS2 PPI subnetwork
ENSG00000101843	PSMD10 PPI subnetwork
MP:0006020	decreased tympanic ring size
MP:0002818	abnormal dentin morphology
GO:0035097	histone methyltransferase complex
GO:0034708	methyltransferase complex
MP:0006082	CNS inflammation
MP:0008115	abnormal dendritic cell differentiation
ENSG00000102391	ENSG00000102391 PPI subnetwork
MP:0004624	abnormal thoracic cage morphology
GO:0016849	phosphorus-oxygen lyase activity
GO:0014910	regulation of smooth muscle cell migration
MP:0000367	abnormal coat/ hair morphology

ENSG00000073584	SMARCE1 PPI subnetwork
ENSG00000103423	DNAJA3 PPI subnetwork
GO:0055038	recycling endosome membrane
GO:0042626	ATPase activity, coupled to transmembrane movement of sub
MP:0001829	increased activated T cell number
MP:0002696	decreased circulating glucagon level
REACTOME_SIGNAL_AMPLIFICATION	REACTOME_SIGNAL_AMPLIFICATION
REACTOME_NUCLEAR_EVENTS_KINASE_AN	REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION
ENSG00000187391	MAGI2 PPI subnetwork
ENSG00000100767	PAPLN PPI subnetwork
ENSG00000138430	OLA1 PPI subnetwork
ENSG00000103275	UBE2I PPI subnetwork
ENSG00000108671	PSMD11 PPI subnetwork
ENSG00000162244	RPL29 PPI subnetwork
ENSG00000163466	ARPC2 PPI subnetwork
ENSG00000039560	RAI14 PPI subnetwork
ENSG00000094916	CBX5 PPI subnetwork
ENSG00000069275	NUCKS1 PPI subnetwork
MP:0005671	abnormal response to transplant
ENSG00000101246	ARFRP1 PPI subnetwork
GO:0006353	transcription termination, DNA-dependent
MP:0004087	abnormal muscle fiber morphology
GO:0014075	response to amine stimulus
MP:0008479	decreased spleen white pulp amount
GO:0006612	protein targeting to membrane
ENSG00000115145	STAM2 PPI subnetwork
GO:0045165	cell fate commitment
ENSG00000104267	CA2 PPI subnetwork
GO:0032963	collagen metabolic process
GO:0006865	amino acid transport
ENSG00000170017	ALCAM PPI subnetwork
ENSG00000100906	NFKBIA PPI subnetwork
GO:0022624	proteasome accessory complex
MP:0008008	early cellular replicative senescence
ENSG00000115694	STK25 PPI subnetwork
GO:0032494	response to peptidoglycan
ENSG00000152795	HNRPDL PPI subnetwork
ENSG00000125166	GOT2 PPI subnetwork
ENSG00000114670	NEK11 PPI subnetwork
GO:0008060	ARF GTPase activator activity
MP:0000937	abnormal motor neuron morphology
ENSG00000104419	NDRG1 PPI subnetwork
GO:0034694	response to prostaglandin stimulus
GO:0032946	positive regulation of mononuclear cell proliferation
ENSG00000104365	IKBKB PPI subnetwork
GO:0051537	2 iron, 2 sulfur cluster binding
MP:0000379	decreased hair follicle number
ENSG00000061337	LZTS1 PPI subnetwork
ENSG00000177951	BET1L PPI subnetwork
ENSG00000136930	PSMB7 PPI subnetwork

ENSG00000170315	UBB PPI subnetwork
ENSG00000175895	PLEKHF2 PPI subnetwork
REACTOME_NEPHRIN_INTERACTIONS	REACTOME_NEPHRIN_INTERACTIONS
GO:0031581	hemidesmosome assembly
ENSG00000174827	PDZK1 PPI subnetwork
ENSG00000157344	ENSG00000157344 PPI subnetwork
ENSG00000160789	LMNA PPI subnetwork
GO:0009408	response to heat
GO:0016591	DNA-directed RNA polymerase II, holoenzyme
ENSG00000106052	TAX1BP1 PPI subnetwork
GO:0001522	pseudouridine synthesis
REACTOME_EUKARYOTIC_TRANSLATION_TI	REACTOME_EUKARYOTIC_TRANSLATION_TERMINATION
ENSG00000108840	HDAC5 PPI subnetwork
MP:0006090	abnormal utricle morphology
ENSG00000198821	CD247 PPI subnetwork
ENSG00000106211	HSPB1 PPI subnetwork
GO:0016884	carbon-nitrogen ligase activity, with glutamine as amido-N-do
GO:0032675	regulation of interleukin-6 production
ENSG00000177688	SUMO4 PPI subnetwork
MP:0005405	axon degeneration
REACTOME_P75_NTR_RECEPTOR:MEDIATE	REACTOME_P75_NTR_RECEPTOR:MEDIATED_SIGNALLING
ENSG00000099331	MYO9B PPI subnetwork
MP:0000762	abnormal tongue morphology
GO:0001841	neural tube formation
ENSG00000008838	MED24 PPI subnetwork
MP:0009453	enhanced contextual conditioning behavior
GO:0032319	regulation of Rho GTPase activity
ENSG00000183558	HIST2H2AA3 PPI subnetwork
ENSG00000203812	HIST2H2AA4 PPI subnetwork
GO:0044062	regulation of excretion
GO:0071356	cellular response to tumor necrosis factor
ENSG00000198899	MT-ATP6 PPI subnetwork
MP:0004351	short humerus
ENSG00000151148	UBE3B PPI subnetwork
GO:0042129	regulation of T cell proliferation
GO:0021675	nerve development
ENSG00000154556	SORBS2 PPI subnetwork
GO:0001822	kidney development
ENSG00000135097	MSI1 PPI subnetwork
GO:0072283	metanephric renal vesicle morphogenesis
ENSG00000078967	UBE2D4 PPI subnetwork
ENSG00000139921	TMX1 PPI subnetwork
GO:0046135	pyrimidine nucleoside catabolic process
MP:0005324	ascites
ENSG00000148248	SURF4 PPI subnetwork
GO:0030551	cyclic nucleotide binding
MP:0000885	ectopic Purkinje cell
GO:0004386	helicase activity
ENSG00000103496	STX4 PPI subnetwork
ENSG00000116641	DOCK7 PPI subnetwork

GO:0002011	morphogenesis of an epithelial sheet
ENSG00000124614	RPS10 PPI subnetwork
REACTOME_SPHINGOLIPID_DE_NOVO_BIO	REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS
GO:0006488	dolichol-linked oligosaccharide biosynthetic process
ENSG00000185122	HSF1 PPI subnetwork
ENSG00000107625	DDX50 PPI subnetwork
ENSG00000166710	B2M PPI subnetwork
ENSG00000168542	COL3A1 PPI subnetwork
REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_	REACTOME_THE_ROLE_OF_NEF_IN_HIV:1_REPLICATION_AND
MP:0005106	abnormal incus morphology
MP:0000043	organ of Corti degeneration
GO:0009065	glutamine family amino acid catabolic process
MP:0008898	abnormal acrosome morphology
GO:0032589	neuron projection membrane
GO:0045582	positive regulation of T cell differentiation
MP:0000029	abnormal malleus morphology
GO:0046625	sphingolipid binding
ENSG00000082512	TRAF5 PPI subnetwork
GO:0043034	costamere
GO:0048675	axon extension
GO:0023019	signal transduction involved in regulation of gene expression
ENSG00000103507	BCKDK PPI subnetwork
ENSG00000100302	RASD2 PPI subnetwork
GO:0015238	drug transmembrane transporter activity
ENSG00000150455	TIRAP PPI subnetwork
ENSG00000105011	ASF1B PPI subnetwork
ENSG00000130165	ELOF1 PPI subnetwork
MP:0002574	increased vertical activity
ENSG00000206294	ENSG00000206294 PPI subnetwork
ENSG00000178913	TAF7 PPI subnetwork
ENSG00000160199	PKNOX1 PPI subnetwork
ENSG00000092108	SCFD1 PPI subnetwork
REACTOME_TRANSLATION_INITIATION_CO	REACTOME_TRANSLATION_INITIATION_COMPLEX_FORMATIC
ENSG00000085276	MECOM PPI subnetwork
ENSG00000203811	HIST2H3C PPI subnetwork
ENSG00000183598	HIST2H3D PPI subnetwork
GO:0045182	translation regulator activity
GO:0002637	regulation of immunoglobulin production
MP:0004231	abnormal calcium ion homeostasis
ENSG00000156261	CCT8 PPI subnetwork
ENSG00000087088	BAX PPI subnetwork
ENSG00000206502	ZNRD1 PPI subnetwork
ENSG00000206429	ENSG00000206429 PPI subnetwork
ENSG00000066379	ZNRD1 PPI subnetwork
REACTOME_GLUTAMATE_NEUROTRANSMI	REACTOME_GLUTAMATE_NEUROTRANSMITTER_RELEASE_CY
GO:0050792	regulation of viral reproduction
ENSG00000166793	YPEL4 PPI subnetwork
ENSG00000215120	ENSG00000215120 PPI subnetwork
REACTOME_G1S_DNA_DAMAGE_CHECKPO	REACTOME_G1S_DNA_DAMAGE_CHECKPOINTS
ENSG00000124172	ATP5E PPI subnetwork

MP:0010300	increased skin tumor incidence
ENSG00000105447	GRWD1 PPI subnetwork
REACTOME_SHC1_EVENTS_IN_ERBB4_SIGN	REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING
GO:0042537	benzene-containing compound metabolic process
GO:0008081	phosphoric diester hydrolase activity
MP:0000774	decreased brain size
MP:0009890	cleft secondary palate
MP:0009862	abnormal aorta elastic tissue morphology
ENSG00000156313	RPGR PPI subnetwork
GO:0007224	smoothened signaling pathway
ENSG00000105229	PIAS4 PPI subnetwork
GO:0008373	sialyltransferase activity
GO:0031225	anchored to membrane
ENSG00000206476	ENSG00000206476 PPI subnetwork
ENSG00000215476	ENSG00000215476 PPI subnetwork
ENSG00000213780	GTF2H4 PPI subnetwork
GO:0032635	interleukin-6 production
ENSG00000196235	SUPT5H PPI subnetwork
GO:0002444	myeloid leukocyte mediated immunity
ENSG00000005194	CIAPIN1 PPI subnetwork
GO:0043560	insulin receptor substrate binding
MP:0004754	abnormal kidney collecting duct morphology
REACTOME_AUTODEGRADATION_OF_CDH1	REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1APCC
ENSG00000152234	ATP5A1 PPI subnetwork
GO:0090175	regulation of establishment of planar polarity
GO:0060071	Wnt receptor signaling pathway, planar cell polarity pathway
REACTOME_EUKARYOTIC_TRANSLATION_EI	REACTOME_EUKARYOTIC_TRANSLATION_ELONGATION
ENSG00000175104	TRAF6 PPI subnetwork
GO:0048471	perinuclear region of cytoplasm
GO:0006354	transcription elongation, DNA-dependent
ENSG00000174804	FZD4 PPI subnetwork
MP:0005298	abnormal clavicle morphology
ENSG00000143466	IKBKE PPI subnetwork
REACTOME_SYNTHESIS_OF_VERY_LONG:CH	REACTOME_SYNTHESIS_OF_VERY_LONG:CHAIN_FATTY_ACYL:
ENSG00000174744	BRMS1 PPI subnetwork
ENSG00000206229	ENSG00000206229 PPI subnetwork
ENSG00000206293	ENSG00000206293 PPI subnetwork
ENSG00000204257	HLA-DMA PPI subnetwork
GO:0002579	positive regulation of antigen processing and presentation
MP:0004522	abnormal orientation of cochlear hair cell stereociliary bundles
ENSG00000206258	TNXB PPI subnetwork
GO:0032943	mononuclear cell proliferation
MP:0001526	abnormal placing response
GO:0007431	salivary gland development
GO:0051101	regulation of DNA binding
GO:0046519	sphingoid metabolic process
GO:0048566	embryonic digestive tract development
ENSG00000141034	C17orf39 PPI subnetwork
MP:0008476	increased spleen red pulp amount
REACTOME_L1CAM_INTERACTIONS	REACTOME_L1CAM_INTERACTIONS

MP:0004763	absent brainstem auditory evoked potential
GO:0006397	mRNA processing
GO:0005732	small nucleolar ribonucleoprotein complex
REACTOME_ORGANIC_CATIONANIONZWIT	REACTOME_ORGANIC_CATIONANIONZWITTERION_TRANSPOI
ENSG00000112304	ACOT13 PPI subnetwork
GO:0070085	glycosylation
ENSG00000100519	PSMC6 PPI subnetwork
GO:0008033	tRNA processing
ENSG00000113810	SMC4 PPI subnetwork
ENSG00000013561	RNF14 PPI subnetwork
ENSG00000163918	RFC4 PPI subnetwork
GO:0005104	fibroblast growth factor receptor binding
ENSG00000169242	EFNA1 PPI subnetwork
KEGG_T_CELL_RECEPTOR_SIGNALING_PATI	KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY
ENSG00000100097	LGALS1 PPI subnetwork
GO:0051015	actin filament binding
ENSG00000124571	XPO5 PPI subnetwork
ENSG00000087903	RFX2 PPI subnetwork
ENSG00000132849	INADL PPI subnetwork
GO:0006733	oxidoreduction coenzyme metabolic process
ENSG00000100883	SRP54 PPI subnetwork
GO:0005083	small GTPase regulator activity
MP:0002543	brachyphalangia
MP:0006359	absent startle reflex
ENSG00000008018	PSMB1 PPI subnetwork
MP:0002145	abnormal T cell differentiation
GO:0001906	cell killing
GO:0010950	positive regulation of endopeptidase activity
GO:0046637	regulation of alpha-beta T cell differentiation
GO:0007202	activation of phospholipase C activity
ENSG00000188459	ENSG00000188459 PPI subnetwork
GO:0070461	SAGA-type complex
GO:0045880	positive regulation of smoothened signaling pathway
MP:0003077	abnormal cell cycle
ENSG00000115561	CHMP3 PPI subnetwork
KEGG_TIGHT_JUNCTION	KEGG_TIGHT_JUNCTION
ENSG00000182541	LIMK2 PPI subnetwork
ENSG00000136715	SAP130 PPI subnetwork
GO:0002696	positive regulation of leukocyte activation
ENSG00000153233	PTPRR PPI subnetwork
GO:0031663	lipopolysaccharide-mediated signaling pathway
MP:0002375	abnormal thymus medulla morphology
MP:0010018	pulmonary vascular congestion
GO:0050830	defense response to Gram-positive bacterium
GO:0042102	positive regulation of T cell proliferation
GO:0007595	lactation
GO:0008380	RNA splicing
REACTOME_P53:DEPENDENT_G1_DNA_DA	REACTOME_P53:DEPENDENT_G1_DNA_DAMAGE_RESPONSE
REACTOME_P53:DEPENDENT_G1S_DNA_D/	REACTOME_P53:DEPENDENT_G1S_DNA_DAMAGE_CHECKPOI
ENSG00000101558	VAPA PPI subnetwork

ENSG00000005175	RPAP3 PPI subnetwork
GO:0090312	positive regulation of protein deacetylation
ENSG00000095319	NUP188 PPI subnetwork
ENSG00000057608	GDI2 PPI subnetwork
GO:0016331	morphogenesis of embryonic epithelium
ENSG00000111358	GTF2H3 PPI subnetwork
ENSG00000134109	EDEM1 PPI subnetwork
ENSG00000128245	YWHAH PPI subnetwork
GO:0009913	epidermal cell differentiation
ENSG00000141252	VPS53 PPI subnetwork
ENSG00000106683	LIMK1 PPI subnetwork
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS	KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEC
GO:0006637	acyl-CoA metabolic process
GO:0035383	thioester metabolic process
ENSG00000073614	KDM5A PPI subnetwork
REACTOME_GOLGI_TO_ER_RETROGRADE_	REACTOME_GOLGI_TO_ER_RETROGRADE_TRANSPORT
REACTOME_COPI_MEDIATED_TRANSPORT	REACTOME_COPI_MEDIATED_TRANSPORT
MP:0006089	abnormal vestibular saccule morphology
GO:0006919	activation of cysteine-type endopeptidase activity involved in
ENSG00000124702	KLHDC3 PPI subnetwork
GO:0007164	establishment of tissue polarity
ENSG00000174227	PIGG PPI subnetwork
GO:0002825	regulation of T-helper 1 type immune response
GO:0006040	amino sugar metabolic process
MP:0005350	increased susceptibility to autoimmune disorder
ENSG00000005007	UPF1 PPI subnetwork
ENSG00000181191	PJA1 PPI subnetwork
ENSG00000147601	TERF1 PPI subnetwork
MP:0000153	rib bifurcation
ENSG00000140481	CCDC33 PPI subnetwork
MP:0008642	decreased circulating interleukin-1 beta level
GO:0015711	organic anion transport
GO:0042398	cellular modified amino acid biosynthetic process
GO:0006044	N-acetylglucosamine metabolic process
GO:0006041	glucosamine metabolic process
GO:0035770	ribonucleoprotein granule
ENSG00000114062	UBE3A PPI subnetwork
MP:0000633	abnormal pituitary gland morphology
ENSG00000174233	ADCY6 PPI subnetwork
REACTOME_SIGNALING_BY_ERBB2	REACTOME_SIGNALING_BY_ERBB2
GO:0003151	outflow tract morphogenesis
GO:0030149	sphingolipid catabolic process
GO:0046466	membrane lipid catabolic process
GO:0035258	steroid hormone receptor binding
GO:0010863	positive regulation of phospholipase C activity
ENSG00000116544	DLGAP3 PPI subnetwork
ENSG00000179262	RAD23A PPI subnetwork
GO:0006305	DNA alkylation
GO:0006306	DNA methylation
REACTOME_LYSOSOME_VESICLE_BIOGENES	REACTOME_LYSOSOME_VESICLE_BIOGENESIS

ENSG00000105438	KDELR1 PPI subnetwork
GO:0001945	lymph vessel development
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSI	KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
ENSG00000115361	ACADL PPI subnetwork
GO:0071241	cellular response to inorganic substance
GO:0030947	regulation of vascular endothelial growth factor receptor signa
ENSG00000134242	PTPN22 PPI subnetwork
MP:0000644	dextrocardia
GO:0042809	vitamin D receptor binding
ENSG00000196975	ANXA4 PPI subnetwork
GO:0008175	tRNA methyltransferase activity
GO:0006778	porphyrin-containing compound metabolic process
GO:0033013	tetrapyrrole metabolic process
KEGG_FC_GAMMA_R_MEDIATED_PHAGOC	KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS
MP:0002777	absent ovarian follicles
REACTOME_GLUCAGON_SIGNALING_IN_M	REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULA
ENSG00000106615	RHEB PPI subnetwork
REACTOME_RNA_POL_II_CTD_PHOSPHORY	REACTOME_RNA_POL_II_CTD_PHOSPHORYLATION_AND_INTE
ENSG00000204256	BRD2 PPI subnetwork
ENSG00000215077	BRD2 PPI subnetwork
ENSG00000112526	ENSG00000112526 PPI subnetwork
MP:0004811	abnormal neuron physiology
ENSG00000172936	MYD88 PPI subnetwork
ENSG00000085721	RRN3 PPI subnetwork
GO:0008173	RNA methyltransferase activity
ENSG00000172175	MALT1 PPI subnetwork
GO:2000179	positive regulation of neural precursor cell proliferation
ENSG00000031698	SARS PPI subnetwork
ENSG00000117676	RPS6KA1 PPI subnetwork
REACTOME_P53:INDEPENDENT_DNA_DAM	REACTOME_P53:INDEPENDENT_DNA_DAMAGE_RESPONSE
REACTOME_P53:INDEPENDENT_G1S_DNA_	REACTOME_P53:INDEPENDENT_G1S_DNA_DAMAGE_CHECKP
REACTOME_UBIQUITIN_MEDIATED_DEGRA	REACTOME_UBIQUITIN_MEDIATED_DEGRADATION_OF_PHOS
ENSG00000065054	SLC9A3R2 PPI subnetwork
ENSG00000155974	GRIP1 PPI subnetwork
ENSG00000123338	NCKAP1L PPI subnetwork
GO:0043492	ATPase activity, coupled to movement of substances
MP:0000849	abnormal cerebellum morphology
GO:0002292	T cell differentiation involved in immune response
REACTOME_PEPTIDE_CHAIN_ELONGATION	REACTOME_PEPTIDE_CHAIN_ELONGATION
ENSG00000198933	TBKBP1 PPI subnetwork
ENSG00000141480	ARRB2 PPI subnetwork
KEGG_PROTEASOME	KEGG_PROTEASOME
ENSG00000198677	TTC37 PPI subnetwork
REACTOME_CROSS:PRESENTATION_OF_SOI	REACTOME_CROSS:PRESENTATION_OF_SOLUBLE_EXOGENOU
ENSG00000174791	RIN1 PPI subnetwork
ENSG00000100280	AP1B1 PPI subnetwork
GO:0031670	cellular response to nutrient
GO:0002293	alpha-beta T cell differentiation involved in immune response
GO:0002287	alpha-beta T cell activation involved in immune response
ENSG00000080503	SMARCA2 PPI subnetwork

ENSG00000164597	COG5 PPI subnetwork
MP:0000024	lowered ear position
ENSG00000184371	CSF1 PPI subnetwork
GO:0042743	hydrogen peroxide metabolic process
ENSG00000140992	PDPK1 PPI subnetwork
GO:0051092	positive regulation of NF-kappaB transcription factor activity
MP:0000967	abnormal sensory neuron projections
ENSG00000132432	SEC61G PPI subnetwork
GO:0014014	negative regulation of gliogenesis
ENSG00000068305	MEF2A PPI subnetwork
ENSG00000112592	TBP PPI subnetwork
MP:0003135	increased erythroid progenitor cell number
REACTOME_REGULATED_PROTEOLYSIS_OF	REACTOME_REGULATED_PROTEOLYSIS_OF_P75NTR
ENSG00000122218	COPA PPI subnetwork
ENSG00000100823	APEX1 PPI subnetwork
ENSG00000185825	BCAP31 PPI subnetwork
ENSG00000197249	SERPINA1 PPI subnetwork
GO:0045624	positive regulation of T-helper cell differentiation
GO:0043270	positive regulation of ion transport
ENSG00000143768	LEFTY2 PPI subnetwork
ENSG00000127824	TUBA4A PPI subnetwork
ENSG00000033050	ABCF2 PPI subnetwork
ENSG00000001497	LAS1L PPI subnetwork
ENSG00000121774	KHDRBS1 PPI subnetwork
ENSG00000119392	GLE1 PPI subnetwork
ENSG00000070010	UFD1L PPI subnetwork
ENSG00000135365	PHF21A PPI subnetwork
ENSG00000198637	ENSG00000198637 PPI subnetwork
ENSG00000196681	ENSG00000196681 PPI subnetwork
ENSG00000176534	ENSG00000176534 PPI subnetwork
ENSG00000127191	TRAF2 PPI subnetwork
ENSG00000130741	EIF2S3 PPI subnetwork
GO:0016820	hydrolase activity, acting on acid anhydrides, catalyzing transn
GO:0031234	extrinsic to internal side of plasma membrane
ENSG00000103197	TSC2 PPI subnetwork
MP:0003216	absence seizures
ENSG00000166337	TAF10 PPI subnetwork
GO:0004065	arylsulfatase activity
GO:0002675	positive regulation of acute inflammatory response
ENSG00000166603	MC4R PPI subnetwork
ENSG00000152147	GEMIN6 PPI subnetwork
MP:0002027	lung adenocarcinoma
GO:0090177	establishment of planar polarity involved in neural tube closur
ENSG00000126778	SIX1 PPI subnetwork
GO:0061311	cell surface receptor signaling pathway involved in heart devel
GO:0050670	regulation of lymphocyte proliferation
ENSG00000146232	NFKBIE PPI subnetwork
ENSG00000143632	ACTA1 PPI subnetwork
REACTOME_APCCCDC20_MEDIATED_DEGR	REACTOME_APCCCDC20_MEDIATED_DEGRADATION_OF_CYC
ENSG00000164045	CDC25A PPI subnetwork

GO:0043407	negative regulation of MAP kinase activity
REACTOME_RIBOSOMAL_SCANNING_AND_	REACTOME_RIBOSOMAL_SCANNING_AND_START_CODON_RI
ENSG00000147443	DOK2 PPI subnetwork
GO:0060070	canonical Wnt receptor signaling pathway
GO:0044297	cell body
GO:0045121	membrane raft
GO:0060538	skeletal muscle organ development
GO:0050863	regulation of T cell activation
ENSG00000069869	NEDD4 PPI subnetwork
GO:0003205	cardiac chamber development
MP:0003172	abnormal lysosome physiology
GO:0006739	NADP metabolic process
ENSG00000172660	TAF15 PPI subnetwork
GO:0043299	leukocyte degranulation
ENSG00000196367	TRRAP PPI subnetwork
ENSG00000172732	MUS81 PPI subnetwork
ENSG00000100239	PPP6R2 PPI subnetwork
ENSG00000161939	C17orf49 PPI subnetwork
MP:0002163	abnormal gland morphology
ENSG00000159459	UBR1 PPI subnetwork
ENSG00000104884	ERCC2 PPI subnetwork
GO:0048706	embryonic skeletal system development
ENSG00000101856	PGRMC1 PPI subnetwork
GO:0004437	inositol or phosphatidylinositol phosphatase activity
GO:0021871	forebrain regionalization
GO:0021954	central nervous system neuron development
ENSG00000188486	H2AFX PPI subnetwork
ENSG00000174851	YIF1A PPI subnetwork
ENSG00000134759	ELP2 PPI subnetwork
ENSG00000181852	RNF41 PPI subnetwork
GO:0032609	interferon-gamma production
ENSG00000068878	PSME4 PPI subnetwork
ENSG00000152818	UTRN PPI subnetwork
GO:0009988	cell-cell recognition
ENSG00000169136	ATF5 PPI subnetwork
MP:0004672	short ribs
REACTOME_G_ALPHA_1213_SIGNALLING_E	REACTOME_G_ALPHA_1213_SIGNALLING_EVENTS
ENSG00000100056	DGCR14 PPI subnetwork
ENSG00000153395	LPCAT1 PPI subnetwork
ENSG00000069424	KCNAB2 PPI subnetwork
GO:0045576	mast cell activation
ENSG00000144554	FANCD2 PPI subnetwork
GO:0050684	regulation of mRNA processing
GO:0070663	regulation of leukocyte proliferation
GO:0016571	histone methylation
GO:0000049	tRNA binding
KEGG_NEUROACTIVE_LIGAND_RECEPTOR_I	KEGG_NEUROACTIVE_LIGAND_RECEPTOR_INTERACTION
GO:0016558	protein import into peroxisome matrix
GO:0007229	integrin-mediated signaling pathway
ENSG00000139549	DHH PPI subnetwork

GO:0045664	regulation of neuron differentiation
ENSG00000149806	FAU PPI subnetwork
GO:0032024	positive regulation of insulin secretion
ENSG00000117000	RLF PPI subnetwork
ENSG00000154415	PPP1R3A PPI subnetwork
ENSG00000119401	TRIM32 PPI subnetwork
ENSG00000169375	SIN3A PPI subnetwork
ENSG00000197448	GSTK1 PPI subnetwork
ENSG00000125482	TTF1 PPI subnetwork
ENSG00000096401	CDC5L PPI subnetwork
ENSG00000124575	HIST1H1D PPI subnetwork
ENSG00000160310	PRMT2 PPI subnetwork
ENSG00000152942	RAD17 PPI subnetwork
ENSG00000172757	CFL1 PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
ENSG00000075539	FRYL PPI subnetwork
GO:0021700	developmental maturation
ENSG00000013297	CLDN11 PPI subnetwork
GO:0043414	macromolecule methylation
REACTOME_SIGNALLING_TO_ERKS	REACTOME_SIGNALLING_TO_ERKS
MP:0000160	kyphosis
ENSG00000183093	ENSG00000183093 PPI subnetwork
ENSG00000214133	ENSG00000214133 PPI subnetwork
ENSG00000158623	COPG2 PPI subnetwork
ENSG00000184672	RALYL PPI subnetwork
GO:0048730	epidermis morphogenesis
ENSG00000119718	EIF2B2 PPI subnetwork
GO:0008629	induction of apoptosis by intracellular signals
GO:0006004	fucose metabolic process
ENSG00000117410	ATP6V0B PPI subnetwork
ENSG00000089289	IGBP1 PPI subnetwork
ENSG00000055163	CYFIP2 PPI subnetwork
GO:0006665	sphingolipid metabolic process
REACTOME_EXTRINSIC_PATHWAY_FOR_AP	REACTOME_EXTRINSIC_PATHWAY_FOR_APOPTOSIS
REACTOME_DEATH_RECEPTOR__SIGNALLIN	REACTOME_DEATH_RECEPTOR__SIGNALLING
GO:0030530	heterogeneous nuclear ribonucleoprotein complex
MP:0000036	absent semicircular canals
ENSG00000179091	CYC1 PPI subnetwork
ENSG00000131023	LATS1 PPI subnetwork
ENSG00000189037	DUSP21 PPI subnetwork
ENSG00000151617	EDNRA PPI subnetwork
GO:0032729	positive regulation of interferon-gamma production
ENSG00000108443	RPS6KB1 PPI subnetwork
ENSG00000162521	RBBP4 PPI subnetwork
REACTOME_UBIQUITIN:DEPENDENT_DEGR/	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
REACTOME_UBIQUITIN:DEPENDENT_DEGR/	REACTOME_UBIQUITIN:DEPENDENT_DEGRADATION_OF_CYCI
REACTOME_CELL:EXTRACELLULAR_MATRIX	REACTOME_CELL:EXTRACELLULAR_MATRIX_INTERACTIONS
MP:0005159	azoospermia
ENSG00000108270	AATF PPI subnetwork
ENSG00000137757	CASP5 PPI subnetwork

MP:0003137	abnormal impulse conducting system conduction
ENSG00000118971	CCND2 PPI subnetwork
ENSG00000143106	PSMA5 PPI subnetwork
ENSG00000149428	HYOU1 PPI subnetwork
GO:0042572	retinol metabolic process
REACTOME_HOST_INTERACTIONS_OF_HIV_	REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS
ENSG00000185973	TMLHE PPI subnetwork
ENSG00000018408	WWTR1 PPI subnetwork
MP:0002407	abnormal double-negative T cell morphology
ENSG00000117242	ENSG00000117242 PPI subnetwork
MP:0001890	anencephaly
ENSG00000113194	FAF2 PPI subnetwork
MP:0003059	decreased insulin secretion
ENSG00000163512	AZI2 PPI subnetwork
GO:0042745	circadian sleep/wake cycle
REACTOME_APCCCDC20_MEDIATED_DEGR	REACTOME_APCCCDC20_MEDIATED_DEGRADATION_OF_SEC
MP:0009399	increased skeletal muscle fiber size
ENSG00000106546	AHR PPI subnetwork
GO:0008211	glucocorticoid metabolic process
ENSG00000165684	SNAPC4 PPI subnetwork
GO:0030917	midbrain-hindbrain boundary development
ENSG00000010030	ETV7 PPI subnetwork
REACTOME_HIV_INFECTION	REACTOME_HIV_INFECTION
ENSG00000103194	USP10 PPI subnetwork
GO:0021537	telencephalon development
GO:0032944	regulation of mononuclear cell proliferation
MP:0004029	spontaneous chromosome breakage
GO:0019935	cyclic-nucleotide-mediated signaling
ENSG00000156711	MAPK13 PPI subnetwork
GO:0002922	positive regulation of humoral immune response
GO:0033003	regulation of mast cell activation
GO:0008234	cysteine-type peptidase activity
ENSG00000136286	MYO1G PPI subnetwork
GO:0043025	neuronal cell body
ENSG00000110367	DDX6 PPI subnetwork
MP:0003384	abnormal ventral body wall morphology
GO:0000188	inactivation of MAPK activity
GO:0031072	heat shock protein binding
GO:0004602	glutathione peroxidase activity
KEGG_ENDOCYTOSIS	KEGG_ENDOCYTOSIS
ENSG00000111707	SUDS3 PPI subnetwork
GO:0005097	Rab GTPase activator activity
MP:0001393	ataxia
GO:0005001	transmembrane receptor protein tyrosine phosphatase activit
GO:0019198	transmembrane receptor protein phosphatase activity
ENSG00000147955	SIGMAR1 PPI subnetwork
ENSG00000100911	PSME2 PPI subnetwork
GO:0035601	protein deacylation
ENSG00000124642	ENSG00000124642 PPI subnetwork
ENSG00000184825	HIST1H2AH PPI subnetwork

GO:0008406	gonad development
KEGG_BASE_EXCISION_REPAIR	KEGG_BASE_EXCISION_REPAIR
GO:0015807	L-amino acid transport
ENSG00000055332	EIF2AK2 PPI subnetwork
ENSG00000196262	PPIA PPI subnetwork
ENSG00000198618	ENSG00000198618 PPI subnetwork
ENSG00000162704	ARPC5 PPI subnetwork
GO:0045216	cell-cell junction organization
ENSG00000112306	RPS12 PPI subnetwork
ENSG00000067900	ROCK1 PPI subnetwork
KEGG_PANCREATIC_CANCER	KEGG_PANCREATIC_CANCER
GO:0007220	Notch receptor processing
MP:0008415	abnormal neurite morphology
GO:0010718	positive regulation of epithelial to mesenchymal transition
REACTOME_STABILIZATION_OF_P53	REACTOME_STABILIZATION_OF_P53
GO:0021885	forebrain cell migration
MP:0002641	anisopoikilocytosis
ENSG00000101224	CDC25B PPI subnetwork
GO:0090183	regulation of kidney development
REACTOME_BETA_DEFENSINS	REACTOME_BETA_DEFENSINS
MP:0001525	impaired balance
ENSG00000138180	CEP55 PPI subnetwork
GO:0034612	response to tumor necrosis factor
MP:0000813	abnormal hippocampus layer morphology
MP:0003324	increased liver adenoma incidence
REACTOME_CHAPERONIN:MEDIATED_PRO	REACTOME_CHAPERONIN:MEDIATED_PROTEIN_FOLDING
GO:0051928	positive regulation of calcium ion transport
ENSG00000127588	GNG13 PPI subnetwork
ENSG00000115211	EIF2B4 PPI subnetwork
GO:0046697	decidualization
ENSG00000087263	OGFOD1 PPI subnetwork
ENSG00000100285	NEFH PPI subnetwork
ENSG00000134909	ARHGAP32 PPI subnetwork
MP:0001905	abnormal dopamine level
MP:0001045	abnormal enteric ganglia morphology
MP:0002391	abnormal Peyer's patch germinal center morphology
REACTOME_ENDOSOMAL_SORTING_COMP	REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FC
GO:0003014	renal system process
REACTOME_ASSOCIATION_OF_LICENSING_	REACTOME_ASSOCIATION_OF_LICENSING_FACTORS_WITH_TI
MP:0004722	abnormal platelet dense granule number
ENSG00000108094	CUL2 PPI subnetwork
GO:0007411	axon guidance
ENSG00000142657	PGD PPI subnetwork
GO:0035064	methylated histone residue binding
ENSG00000120129	DUSP1 PPI subnetwork
ENSG00000159082	SYNJ1 PPI subnetwork
GO:0030118	clathrin coat
GO:0046782	regulation of viral transcription
GO:0032355	response to estradiol stimulus
ENSG00000010803	SCMH1 PPI subnetwork

MP:0005619	increased urine potassium level
ENSG00000064961	HMG20B PPI subnetwork
ENSG00000093217	XYLB PPI subnetwork
ENSG00000118640	VAMP8 PPI subnetwork
ENSG00000064313	TAF2 PPI subnetwork
ENSG00000143119	CD53 PPI subnetwork
GO:0018410	C-terminal protein amino acid modification
ENSG00000206452	HLA-C PPI subnetwork
GO:0051251	positive regulation of lymphocyte activation
MP:0003932	abnormal molar crown morphology
ENSG00000129991	TNNI3 PPI subnetwork
ENSG00000093167	LRRFIP2 PPI subnetwork
GO:0005184	neuropeptide hormone activity
MP:0004981	decreased neuronal precursor cell number
ENSG00000005022	SLC25A5 PPI subnetwork
MP:0000825	dilated lateral ventricles
ENSG00000105810	CDK6 PPI subnetwork
ENSG00000130702	LAMA5 PPI subnetwork
ENSG00000087460	GNAS PPI subnetwork
GO:0040029	regulation of gene expression, epigenetic
ENSG00000072803	FBXW11 PPI subnetwork
ENSG00000153162	BMP6 PPI subnetwork
GO:0014855	striated muscle cell proliferation
MP:0004136	abnormal tongue muscle morphology
ENSG00000139180	NDUFA9 PPI subnetwork
ENSG00000109917	ZNF259 PPI subnetwork
ENSG00000104613	INTS10 PPI subnetwork
GO:0044259	multicellular organismal macromolecule metabolic process
GO:0030279	negative regulation of ossification
GO:0002761	regulation of myeloid leukocyte differentiation
ENSG00000164107	HAND2 PPI subnetwork
GO:0043567	regulation of insulin-like growth factor receptor signaling path
ENSG00000161970	RPL26 PPI subnetwork
ENSG00000141380	SS18 PPI subnetwork
ENSG00000125968	ID1 PPI subnetwork
GO:0007548	sex differentiation
REACTOME_3_:UTR:MEDIATED_TRANSLATI	REACTOME_3_:UTR:MEDIATED_TRANSLATIONAL_REGULATIO
REACTOME_L13A:MEDIATED_TRANSLATIOI	REACTOME_L13A:MEDIATED_TRANSLATIONAL_SILENCING_OI
MP:0005010	abnormal CD8-positive T cell morphology
ENSG00000143093	FAM40A PPI subnetwork
REACTOME_CTLA4_INHIBITORY_SIGNALINC	REACTOME_CTLA4_INHIBITORY_SIGNALING
ENSG00000211895	ENSG00000211895 PPI subnetwork
ENSG00000138709	LARP1B PPI subnetwork
MP:0005330	cardiomyopathy
ENSG00000174437	ATP2A2 PPI subnetwork
ENSG00000122585	NPY PPI subnetwork
REACTOME_ANTIGEN_PRESENTATION_FOL	REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_
ENSG00000100170	SLC5A1 PPI subnetwork
MP:0005193	abnormal anterior eye segment morphology
REACTOME_SIGNALLING_BY_NGF	REACTOME_SIGNALLING_BY_NGF

GO:0014003	oligodendrocyte development
GO:0030529	ribonucleoprotein complex
MP:0004131	abnormal embryonic cilium morphology
ENSG00000198211	TUBB3 PPI subnetwork
GO:0019438	aromatic compound biosynthetic process
MP:0006279	abnormal limb development
GO:0005246	calcium channel regulator activity
GO:0007043	cell-cell junction assembly
MP:0000562	polydactyly
ENSG00000130255	RPL36 PPI subnetwork
MP:0001092	abnormal trigeminal ganglion morphology
ENSG00000121481	RNF2 PPI subnetwork
GO:0030801	positive regulation of cyclic nucleotide metabolic process
ENSG00000189079	ARID2 PPI subnetwork
GO:0031069	hair follicle morphogenesis
ENSG00000026025	VIM PPI subnetwork
GO:0032318	regulation of Ras GTPase activity
ENSG00000121879	PIK3CA PPI subnetwork
ENSG00000112739	PRPF4B PPI subnetwork
MP:0005168	abnormal female meiosis
GO:0006304	DNA modification
GO:0051145	smooth muscle cell differentiation
GO:0009225	nucleotide-sugar metabolic process
GO:0046520	sphingoid biosynthetic process
ENSG00000107819	SFXN3 PPI subnetwork
GO:0004518	nuclease activity
ENSG00000008988	RPS20 PPI subnetwork
GO:0070301	cellular response to hydrogen peroxide
ENSG00000130725	UBE2M PPI subnetwork
ENSG00000211456	SACM1L PPI subnetwork
ENSG00000152700	SAR1B PPI subnetwork
ENSG00000100664	EIF5 PPI subnetwork
ENSG00000101096	NFATC2 PPI subnetwork
REACTOME_MICRORNA_MIRNA_BIOGENES	REACTOME_MICRORNA_MIRNA_BIOGENESIS
REACTOME_REGULATORY_RNA_PATHWAY	REACTOME_REGULATORY_RNA_PATHWAYS
ENSG00000138674	SEC31A PPI subnetwork
REACTOME_ADP_SIGNALLING_THROUGH_I	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTO
ENSG00000125991	ERGIC3 PPI subnetwork
KEGG_MELANOMA	KEGG_MELANOMA
ENSG00000108179	PPIF PPI subnetwork
ENSG00000130402	ACTN4 PPI subnetwork
MP:0003451	absent olfactory bulb
ENSG00000126067	PSMB2 PPI subnetwork
GO:0030165	PDZ domain binding
ENSG00000157349	DDX19B PPI subnetwork
ENSG00000142453	CARM1 PPI subnetwork
ENSG00000070785	EIF2B3 PPI subnetwork
GO:0006582	melanin metabolic process
ENSG00000164171	ITGA2 PPI subnetwork
GO:0030949	positive regulation of vascular endothelial growth factor recep

REACTOME_TRANSCRIPTION_OF_THE_HIV_	REACTOME_TRANSCRIPTION_OF_THE_HIV_GENOME
ENSG00000067560	RHOA PPI subnetwork
ENSG00000170035	UBE2E3 PPI subnetwork
MP:0002639	micrognathia
ENSG00000147099	HDAC8 PPI subnetwork
REACTOME_PHOSPHORYLATION_OF_THE_/	REACTOME_PHOSPHORYLATION_OF_THE_APCC
ENSG00000064703	DDX20 PPI subnetwork
ENSG00000134318	ROCK2 PPI subnetwork
GO:0050922	negative regulation of chemotaxis
ENSG00000111445	RFC5 PPI subnetwork
ENSG00000120251	GRIA2 PPI subnetwork
ENSG00000047410	TPR PPI subnetwork
REACTOME_REGULATION_OF_ACTIVATED_	REACTOME_REGULATION_OF_ACTIVATED_PAK:2P34_BY_PRC
GO:0009378	four-way junction helicase activity
GO:0042474	middle ear morphogenesis
REACTOME_SYNTHESIS_SECRETION_AND_I	REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_
GO:0045055	regulated secretory pathway
GO:0032147	activation of protein kinase activity
ENSG00000163629	PTPN13 PPI subnetwork
ENSG00000158864	NDUFS2 PPI subnetwork
GO:0042287	MHC protein binding
ENSG00000177156	TALDO1 PPI subnetwork
GO:0048407	platelet-derived growth factor binding
GO:0006664	glycolipid metabolic process
ENSG00000073009	IKBKG PPI subnetwork
MP:0003463	abnormal single cell response
GO:0009214	cyclic nucleotide catabolic process
KEGG_RNA_POLYMERASE	KEGG_RNA_POLYMERASE
GO:0019208	phosphatase regulator activity
GO:0000313	organellar ribosome
GO:0005761	mitochondrial ribosome
ENSG00000117594	HSD11B1 PPI subnetwork
GO:0043280	positive regulation of cysteine-type endopeptidase activity inv
GO:2001056	positive regulation of cysteine-type endopeptidase activity
MP:0004355	short radius
ENSG00000105656	ELL PPI subnetwork
ENSG00000060558	GNA15 PPI subnetwork
MP:0009038	decreased inferior colliculus size
ENSG00000096060	FKBP5 PPI subnetwork
ENSG00000163554	SPTA1 PPI subnetwork
GO:0051249	regulation of lymphocyte activation
ENSG00000095261	PSMD5 PPI subnetwork
ENSG00000130066	SAT1 PPI subnetwork
GO:0004033	aldo-keto reductase (NADP) activity
ENSG00000159259	CHAF1B PPI subnetwork
ENSG00000161681	SHANK1 PPI subnetwork
REACTOME_TRANSFERRIN_ENDOCYTOSIS_/	REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING
REACTOME_GTP_HYDROLYSIS_AND_JOINI	REACTOME_GTP_HYDROLYSIS_AND_JOINING_OF_THE_60S_R
MP:0004986	abnormal osteoblast morphology
ENSG00000130699	TAF4 PPI subnetwork

ENSG00000015475	BID PPI subnetwork
GO:0072525	pyridine-containing compound biosynthetic process
GO:0019363	pyridine nucleotide biosynthetic process
ENSG00000124333	VAMP7 PPI subnetwork
ENSG00000168061	SAC3D1 PPI subnetwork
KEGG_BASAL_TRANSCRIPTION_FACTORS	KEGG_BASAL_TRANSCRIPTION_FACTORS
MP:0004751	increased length of allograft survival
GO:0004521	endoribonuclease activity
GO:0071339	MLL1 complex
GO:0016887	ATPase activity
REACTOME_ANTIGEN_PROCESSING:CROSS_	REACTOME_ANTIGEN_PROCESSING:CROSS_PRESENTATION
ENSG00000188021	UBQLN2 PPI subnetwork
GO:0051693	actin filament capping
ENSG00000119888	EPCAM PPI subnetwork
REACTOME_MRNA_CAPPING	REACTOME_MRNA_CAPPING
ENSG00000170876	TMEM43 PPI subnetwork
ENSG00000078668	VDAC3 PPI subnetwork
ENSG00000106976	DNM1 PPI subnetwork
GO:0000041	transition metal ion transport
ENSG00000213585	VDAC1 PPI subnetwork
ENSG00000134588	USP26 PPI subnetwork
ENSG00000141384	TAF4B PPI subnetwork
GO:0032835	glomerulus development
GO:0007204	elevation of cytosolic calcium ion concentration
GO:0001738	morphogenesis of a polarized epithelium
GO:0008589	regulation of smoothened signaling pathway
ENSG00000049540	ELN PPI subnetwork
MP:0004359	short ulna
MP:0003850	abnormal thymocyte activation
ENSG00000100867	DHRS2 PPI subnetwork
ENSG00000130414	NDUFA10 PPI subnetwork
REACTOME_CAP:DEPENDENT_TRANSLATIO	REACTOME_CAP:DEPENDENT_TRANSLATION_INITIATION
REACTOME_EUKARYOTIC_TRANSLATION_IN	REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
GO:0050664	oxidoreductase activity, acting on NADH or NADPH, oxygen as
GO:0050764	regulation of phagocytosis
ENSG00000101557	USP14 PPI subnetwork
GO:0033177	proton-transporting two-sector ATPase complex, proton-trans
GO:0019003	GDP binding
GO:0001825	blastocyst formation
ENSG00000051128	HOMER3 PPI subnetwork
ENSG00000156076	WIF1 PPI subnetwork
ENSG00000115091	ACTR3 PPI subnetwork
MP:0000743	muscle spasm
MP:0008040	decreased NK T cell number
ENSG00000078328	RBFOX1 PPI subnetwork
ENSG00000166900	STX3 PPI subnetwork
REACTOME_CDK:MEDIATED_PHOSPHORYL	REACTOME_CDK:MEDIATED_PHOSPHORYLATION_AND_REMC
ENSG00000156467	UQCRB PPI subnetwork
ENSG00000184886	PIGW PPI subnetwork
ENSG00000197694	SPTAN1 PPI subnetwork

ENSG00000167880	EVPL PPI subnetwork
REACTOME_SCFSKP2:MEDIATED_DEGRADA	REACTOME_SCFSKP2:MEDIATED_DEGRADATION_OF_P27P21
GO:0002467	germinal center formation
ENSG00000064995	TAF11 PPI subnetwork
GO:0006826	iron ion transport
ENSG00000163435	ELF3 PPI subnetwork
ENSG00000177485	ZBTB33 PPI subnetwork
REACTOME_VPU_MEDIATED_DEGRADATIO	REACTOME_VPU_MEDIATED_DEGRADATION_OF_CD4
REACTOME_METABOLISM_OF_RNA	REACTOME_METABOLISM_OF_RNA
GO:0016859	cis-trans isomerase activity
GO:0002263	cell activation involved in immune response
GO:0002366	leukocyte activation involved in immune response
GO:0016805	dipeptidase activity
GO:0006401	RNA catabolic process
MP:0000272	abnormal aorta morphology
ENSG00000198744	ENSG00000198744 PPI subnetwork
ENSG00000111731	KIAA0528 PPI subnetwork
MP:0000864	abnormal cerebellum vermis morphology
GO:0046148	pigment biosynthetic process
GO:0006479	protein methylation
GO:0008213	protein alkylation
GO:0070830	tight junction assembly
ENSG00000115685	PPP1R7 PPI subnetwork
ENSG00000090861	AARS PPI subnetwork
REACTOME_APCCCDH1_MEDIATED_DEGRA	REACTOME_APCCCDH1_MEDIATED_DEGRADATION_OF_CDC2
GO:0006873	cellular ion homeostasis
ENSG00000160200	CBS PPI subnetwork
ENSG00000116455	WDR77 PPI subnetwork
GO:0042471	ear morphogenesis
REACTOME_METABOLISM_OF_NON:CODIN	REACTOME_METABOLISM_OF_NON:CODING_RNA
REACTOME_SNRNP_ASSEMBLY	REACTOME_SNRNP_ASSEMBLY
ENSG00000065609	SNAP91 PPI subnetwork
ENSG00000163599	CTLA4 PPI subnetwork
GO:0072164	mesonephric tubule development
GO:0072163	mesonephric epithelium development
ENSG00000180573	HIST1H2AC PPI subnetwork
ENSG00000177889	UBE2N PPI subnetwork
MP:0008603	decreased circulating interleukin-4 level
ENSG00000166889	PATL1 PPI subnetwork
MP:0000611	jaundice
GO:0030217	T cell differentiation
MP:0005236	abnormal olfactory nerve morphology
ENSG00000159023	EPB41 PPI subnetwork
GO:0008333	endosome to lysosome transport
ENSG00000171444	MCC PPI subnetwork
ENSG00000124588	NQO2 PPI subnetwork
ENSG00000107554	DNMBP PPI subnetwork
ENSG00000105971	CAV2 PPI subnetwork
GO:0046632	alpha-beta T cell differentiation
ENSG00000198700	IPO9 PPI subnetwork

GO:0022626	cytosolic ribosome
ENSG00000149554	CHEK1 PPI subnetwork
ENSG00000183741	CBX6 PPI subnetwork
ENSG00000105880	DLX5 PPI subnetwork
ENSG00000145321	GC PPI subnetwork
REACTOME_VIF:MEDIATED_DEGRADATION	REACTOME_VIF:MEDIATED_DEGRADATION_OF_APOBEC3G
ENSG00000065268	WDR18 PPI subnetwork
MP:0001800	abnormal humoral immune response
GO:0030835	negative regulation of actin filament depolymerization
GO:0045089	positive regulation of innate immune response
GO:0070555	response to interleukin-1
GO:0045981	positive regulation of nucleotide metabolic process
ENSG00000090020	SLC9A1 PPI subnetwork
ENSG00000023608	SNAPC1 PPI subnetwork
ENSG00000012660	ELOVL5 PPI subnetwork
GO:0017048	Rho GTPase binding
MP:0003105	abnormal heart atrium morphology
GO:0007589	body fluid secretion
MP:0004770	abnormal synaptic vesicle recycling
GO:0000288	nuclear-transcribed mRNA catabolic process, deadenylation-d
GO:0090102	cochlea development
ENSG00000078043	PIAS2 PPI subnetwork
REACTOME_APC:CDC20_MEDIATED_DEGRA	REACTOME_APC:CDC20_MEDIATED_DEGRADATION_OF_NEK2
GO:0032649	regulation of interferon-gamma production
GO:0048665	neuron fate specification
ENSG00000215021	PHB2 PPI subnetwork
GO:0045069	regulation of viral genome replication
ENSG00000156136	DCK PPI subnetwork
GO:0043297	apical junction assembly
GO:0033280	response to vitamin D
GO:0015294	solute:cation symporter activity
GO:0046949	fatty-acyl-CoA biosynthetic process
GO:0035337	fatty-acyl-CoA metabolic process
GO:0060601	lateral sprouting from an epithelium
GO:0007566	embryo implantation
GO:0030810	positive regulation of nucleotide biosynthetic process
GO:0030804	positive regulation of cyclic nucleotide biosynthetic process
ENSG00000114841	DNAH1 PPI subnetwork
ENSG00000148798	INA PPI subnetwork
GO:0000118	histone deacetylase complex
MP:0003232	abnormal forebrain development
GO:0051129	negative regulation of cellular component organization
ENSG00000154723	ATP5J PPI subnetwork
GO:0045785	positive regulation of cell adhesion
GO:0030126	COPI vesicle coat
GO:0051146	striated muscle cell differentiation
ENSG00000128692	ENSG00000128692 PPI subnetwork
ENSG00000204843	DCTN1 PPI subnetwork
GO:0005548	phospholipid transporter activity
ENSG00000198018	ENTPD7 PPI subnetwork

REACTOME_RNA_POLYMERASE_II_PRE:TRA	REACTOME_RNA_POLYMERASE_II_PRE:TRANSCRIPTION_EVEN
ENSG00000206385	ENSG00000206385 PPI subnetwork
ENSG00000137337	MDC1 PPI subnetwork
ENSG00000182872	RBM10 PPI subnetwork
ENSG00000133706	LARS PPI subnetwork
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_
MP:0001429	dehydration
GO:0007264	small GTPase mediated signal transduction
GO:0045095	keratin filament
ENSG00000114209	PDCD10 PPI subnetwork
ENSG00000152137	HSPB8 PPI subnetwork
GO:0035148	tube formation
ENSG00000173175	ADCY5 PPI subnetwork
GO:0034101	erythrocyte homeostasis
ENSG00000125503	PPP1R12C PPI subnetwork
ENSG00000189369	GSPT2 PPI subnetwork
ENSG00000102144	PGK1 PPI subnetwork
ENSG00000121653	MAPK8IP1 PPI subnetwork
GO:0030553	cGMP binding
ENSG00000213246	SUPT4H1 PPI subnetwork
GO:0048524	positive regulation of viral reproduction
GO:0030177	positive regulation of Wnt receptor signaling pathway
MP:0010903	abnormal pulmonary alveolus wall morphology
GO:0035567	non-canonical Wnt receptor signaling pathway
REACTOME_SMOOTH_MUSCLE_CONTRACT	REACTOME_SMOOTH_MUSCLE_CONTRACTION
GO:0001783	B cell apoptotic process
ENSG00000172137	CALB2 PPI subnetwork
REACTOME_ASSEMBLY_OF_THE_PRE:REPLI	REACTOME_ASSEMBLY_OF_THE_PRE:REPLICATIVE_COMPLEX
GO:0030850	prostate gland development
MP:0001306	small lens
REACTOME_INTERLEUKIN_RECEPTOR_SHC_	REACTOME_INTERLEUKIN_RECEPTOR_SHC_SIGNALING
ENSG00000113758	DBN1 PPI subnetwork
ENSG00000106571	GLI3 PPI subnetwork
ENSG00000135213	POM121C PPI subnetwork
ENSG00000063046	EIF4B PPI subnetwork
GO:0006613	cotranslational protein targeting to membrane
GO:0004659	prenyltransferase activity
ENSG00000172613	RAD9A PPI subnetwork
ENSG00000078369	GNB1 PPI subnetwork
ENSG00000169020	ATP5I PPI subnetwork
ENSG00000101132	PFDN4 PPI subnetwork
ENSG00000103051	COG4 PPI subnetwork
ENSG00000101413	RPRD1B PPI subnetwork
ENSG00000139514	SLC7A1 PPI subnetwork
ENSG00000136021	SCYL2 PPI subnetwork
GO:0001736	establishment of planar polarity
ENSG00000104725	ENSG00000104725 PPI subnetwork
GO:0045620	negative regulation of lymphocyte differentiation
GO:0032947	protein complex scaffold
REACTOME_SIGNALING_BY_WNT	REACTOME_SIGNALING_BY_WNT

REACTOME_DEGRADATION_OF_BETA:CATE	REACTOME_DEGRADATION_OF_BETA:CATENIN_BY_THE_DES
GO:0046488	phosphatidylinositol metabolic process
GO:0034138	toll-like receptor 3 signaling pathway
MP:0004028	chromosome breakage
ENSG00000100632	ERH PPI subnetwork
GO:0002377	immunoglobulin production
ENSG00000077809	GTF2I PPI subnetwork
MP:0009907	decreased tongue size
MP:0001380	reduced male mating frequency
GO:0035914	skeletal muscle cell differentiation
ENSG00000163932	PRKCD PPI subnetwork
GO:0060038	cardiac muscle cell proliferation
GO:0043648	dicarboxylic acid metabolic process
GO:0010453	regulation of cell fate commitment
GO:0008026	ATP-dependent helicase activity
GO:0070035	purine NTP-dependent helicase activity
ENSG00000145391	SETD7 PPI subnetwork
GO:0014902	myotube differentiation
REACTOME_FORMATION_OF_THE_TERNAR	REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND
MP:0001819	abnormal immune cell physiology
REACTOME_AUTODEGRADATION_OF_THE_	REACTOME_AUTODEGRADATION_OF_THE_E3_UBIQUITIN_LIG
ENSG00000143153	ATP1B1 PPI subnetwork
GO:0021511	spinal cord patterning
GO:0021955	central nervous system neuron axonogenesis
GO:0043547	positive regulation of GTPase activity
MP:0005070	impaired NK cell cytolysis
GO:0010744	positive regulation of macrophage derived foam cell differenti
ENSG00000109534	GAR1 PPI subnetwork
ENSG00000147162	OGT PPI subnetwork
GO:0032993	protein-DNA complex
ENSG00000130332	LSM7 PPI subnetwork
ENSG00000173744	AGFG1 PPI subnetwork
ENSG00000106105	GARS PPI subnetwork
GO:0043094	cellular metabolic compound salvage
MP:0001939	secondary sex reversal
ENSG00000071909	MYO3B PPI subnetwork
REACTOME_SCF:BETA:TRCP_MEDIATED_DE	REACTOME_SCF:BETA:TRCP_MEDIATED_DEGRADATION_OF_E
GO:0090277	positive regulation of peptide hormone secretion
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION
MP:0003892	abnormal gastric gland morphology
ENSG00000106290	TAF6 PPI subnetwork
GO:0050688	regulation of defense response to virus
MP:0005104	abnormal tarsal bone morphology
ENSG00000132341	RAN PPI subnetwork
ENSG00000116062	MSH6 PPI subnetwork
ENSG00000169750	RAC3 PPI subnetwork
REACTOME_AXON_GUIDANCE	REACTOME_AXON_GUIDANCE
ENSG00000113300	CNOT6 PPI subnetwork
MP:0006065	abnormal heart position or orientation
ENSG00000087586	AURKA PPI subnetwork

GO:0030663	COPI coated vesicle membrane
ENSG00000115325	DOK1 PPI subnetwork
ENSG00000154310	TNIK PPI subnetwork
ENSG00000145901	TNIP1 PPI subnetwork
ENSG00000092841	MYL6 PPI subnetwork
REACTOME_TERMINATION_OF_O:GLYCAN_	REACTOME_TERMINATION_OF_O:GLYCAN_BIOSYNTHESIS
ENSG00000129170	CSRP3 PPI subnetwork
GO:0033017	sarcoplasmic reticulum membrane
GO:0042035	regulation of cytokine biosynthetic process
GO:0008180	signalosome
GO:0004930	G-protein coupled receptor activity
ENSG00000127922	SHFM1 PPI subnetwork
ENSG00000204490	TNF PPI subnetwork
ENSG00000206439	TNF PPI subnetwork
ENSG00000206328	ENSG00000206328 PPI subnetwork
ENSG00000167977	KCTD5 PPI subnetwork
ENSG00000100201	DDX17 PPI subnetwork
ENSG00000182520	ENSG00000182520 PPI subnetwork
ENSG00000171549	ENSG00000171549 PPI subnetwork
ENSG00000163132	MSX1 PPI subnetwork
GO:0009953	dorsal/ventral pattern formation
GO:0000152	nuclear ubiquitin ligase complex
GO:0014032	neural crest cell development
MP:0001328	disorganized retinal layers
GO:0042659	regulation of cell fate specification
GO:0042573	retinoic acid metabolic process
ENSG00000155980	KIF5A PPI subnetwork
KEGG_RIBOSOME	KEGG_RIBOSOME
MP:0001706	abnormal left-right axis patterning
ENSG00000185104	FAF1 PPI subnetwork
REACTOME_SIGNALING_BY_PDGF	REACTOME_SIGNALING_BY_PDGF
REACTOME_FANCONI_ANEMIA_PATHWAY	REACTOME_FANCONI_ANEMIA_PATHWAY
GO:0018208	peptidyl-proline modification
GO:0001838	embryonic epithelial tube formation
ENSG00000100504	PYGL PPI subnetwork
ENSG00000154518	ATP5G3 PPI subnetwork
GO:0031965	nuclear membrane
GO:0050773	regulation of dendrite development
ENSG00000171314	PGAM1 PPI subnetwork
GO:0009950	dorsal/ventral axis specification
ENSG00000168283	BMI1 PPI subnetwork
GO:0034341	response to interferon-gamma
ENSG00000100297	MCM5 PPI subnetwork
ENSG00000197283	SYNGAP1 PPI subnetwork
ENSG00000100599	RIN3 PPI subnetwork
ENSG00000141582	CBX4 PPI subnetwork
ENSG00000100304	TTLL12 PPI subnetwork
GO:0009067	aspartate family amino acid biosynthetic process
ENSG00000181029	TRAPPC5 PPI subnetwork
ENSG00000168439	STIP1 PPI subnetwork

GO:0006368	transcription elongation from RNA polymerase II promoter
GO:0045137	development of primary sexual characteristics
GO:0030433	ER-associated protein catabolic process
ENSG00000102312	PORCN PPI subnetwork
GO:0002040	sprouting angiogenesis
MP:0002544	brachydactyly
REACTOME_NEF_MEDIATED_DOWNREGUL	REACTOME_NEF_MEDIATED_DOWNREGULATION_OF_MHC_C
MP:0000460	mandible hypoplasia
ENSG00000197971	MBP PPI subnetwork
ENSG00000102981	PARD6A PPI subnetwork
ENSG00000067177	PHKA1 PPI subnetwork
GO:0034968	histone lysine methylation
REACTOME_RNA_POLYMERASE_I_RNA_PO	REACTOME_RNA_POLYMERASE_I_RNA_POLYMERASE_III_ANI
GO:0043500	muscle adaptation
ENSG00000100151	PICK1 PPI subnetwork
ENSG00000124207	CSE1L PPI subnetwork
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
ENSG00000111262	KCNA1 PPI subnetwork
ENSG00000214265	SNURF PPI subnetwork
ENSG00000158869	FCER1G PPI subnetwork
GO:0070304	positive regulation of stress-activated protein kinase signaling
MP:0002740	heart hypoplasia
MP:0000471	abnormal stomach epithelium morphology
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
ENSG00000146731	CCT6A PPI subnetwork
GO:0048814	regulation of dendrite morphogenesis
GO:0046580	negative regulation of Ras protein signal transduction
GO:0005776	autophagic vacuole
GO:0046634	regulation of alpha-beta T cell activation
ENSG00000125695	STRADA PPI subnetwork
REACTOME_INTERFERON_SIGNALING	REACTOME_INTERFERON_SIGNALING
KEGG_NON_SMALL_CELL_LUNG_CANCER	KEGG_NON_SMALL_CELL_LUNG_CANCER
MP:0008097	increased plasma cell number
ENSG00000160917	CPSF4 PPI subnetwork
GO:0090311	regulation of protein deacetylation
GO:0003007	heart morphogenesis
KEGG_REGULATION_OF_ACTIN_CYTOSKELE	KEGG_REGULATION_OF_ACTIN_CYTOSKELETON
ENSG00000078295	ADCY2 PPI subnetwork
MP:0005627	increased circulating potassium level
GO:0030900	forebrain development
ENSG00000181218	HIST3H2A PPI subnetwork
ENSG00000114737	CISH PPI subnetwork
GO:0030667	secretory granule membrane
GO:0031344	regulation of cell projection organization
REACTOME_SIGNALLING_TO_RAS	REACTOME_SIGNALLING_TO_RAS
GO:0016050	vesicle organization
REACTOME_AMINE_COMPOUND_SLC_TRA	REACTOME_AMINE_COMPOUND_SLC_TRANSPORTERS
MP:0002115	abnormal limb bone morphology
ENSG00000133511	ENSG00000133511 PPI subnetwork
GO:0051385	response to mineralocorticoid stimulus

ENSG00000177084	POLE PPI subnetwork
ENSG00000198804	MT-CO1 PPI subnetwork
ENSG00000212875	ENSG00000212875 PPI subnetwork
GO:0006672	ceramide metabolic process
ENSG00000198727	MT-CYB PPI subnetwork
ENSG00000212868	ENSG00000212868 PPI subnetwork
MP:0011501	increased glomerular capsule space
GO:0004842	ubiquitin-protein ligase activity
GO:0045622	regulation of T-helper cell differentiation
ENSG00000082175	PGR PPI subnetwork
GO:0003401	axis elongation
GO:0070307	lens fiber cell development
GO:0008188	neuropeptide receptor activity
ENSG00000165219	GAPVD1 PPI subnetwork
GO:0051153	regulation of striated muscle cell differentiation
GO:0055007	cardiac muscle cell differentiation
REACTOME_RECRUITMENT_OF_NUMA_TO	REACTOME_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTRC
REACTOME_CGMP_EFFECTS	REACTOME_CGMP_EFFECTS
ENSG00000166401	SERPINB8 PPI subnetwork
ENSG00000071082	RPL31 PPI subnetwork
REACTOME_NITRIC_OXIDE_STIMULATES_G	REACTOME_NITRIC_OXIDE_STIMULATES_GUANYLATE_CYCLAS
GO:0016338	calcium-independent cell-cell adhesion
GO:0006888	ER to Golgi vesicle-mediated transport
GO:0001047	core promoter binding
REACTOME_PKB:MEDIATED_EVENTS	REACTOME_PKB:MEDIATED_EVENTS
ENSG00000079950	STX7 PPI subnetwork
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRIC	KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYC
ENSG00000068654	POLR1A PPI subnetwork
GO:0021697	cerebellar cortex formation
REACTOME_SIGNALING_BY_RHO_GTPASES	REACTOME_SIGNALING_BY_RHO_GTPASES
REACTOME_RHO_GTPASE_CYCLE	REACTOME_RHO_GTPASE_CYCLE
REACTOME_METABOLISM_OF_MRNA	REACTOME_METABOLISM_OF_MRNA
ENSG00000196735	HLA-DQA1 PPI subnetwork
ENSG00000154277	UCHL1 PPI subnetwork
GO:0000184	nuclear-transcribed mRNA catabolic process, nonsense-media
GO:0048384	retinoic acid receptor signaling pathway
MP:0000880	decreased Purkinje cell number
ENSG00000103351	CLUAP1 PPI subnetwork
ENSG00000141837	CACNA1A PPI subnetwork
MP:0001883	mammary adenocarcinoma
ENSG00000164163	ABCE1 PPI subnetwork
REACTOME_THROMBOXANE_SIGNALLING_	REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_REC
ENSG00000169891	REPS2 PPI subnetwork
MP:0003089	decreased skin tensile strength
MP:0005078	abnormal cytotoxic T cell physiology
KEGG_FC_EPSILON_RI_SIGNALING_PATHW	KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY
MP:0003087	absent allantois
ENSG00000138385	SSB PPI subnetwork
ENSG00000105364	MRPL4 PPI subnetwork
ENSG00000104142	VPS18 PPI subnetwork

GO:0016605	PML body
REACTOME_AMINE:DERIVED_HORMONES	REACTOME_AMINE:DERIVED_HORMONES
ENSG00000079739	PGM1 PPI subnetwork
ENSG00000110448	CD5 PPI subnetwork
REACTOME_ER:PHAGOSOME_PATHWAY	REACTOME_ER:PHAGOSOME_PATHWAY
ENSG00000140451	PIF1 PPI subnetwork
ENSG00000064601	CTSA PPI subnetwork
GO:0007005	mitochondrion organization
GO:0042249	establishment of planar polarity of embryonic epithelium
ENSG00000163519	TRAT1 PPI subnetwork
GO:0030834	regulation of actin filament depolymerization
GO:0022010	central nervous system myelination
GO:0032291	axon ensheathment in central nervous system
GO:0004520	endodeoxyribonuclease activity
GO:0043022	ribosome binding
ENSG00000123975	CKS2 PPI subnetwork
REACTOME_RESOLUTION_OF_AP_SITES_VI	REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE:
REACTOME_REMOVAL_OF_DNA_PATCH_C	REACTOME_REMOVAL_OF_DNA_PATCH_CONTAINING_ABASI
ENSG00000087258	GNAO1 PPI subnetwork
GO:0007517	muscle organ development
ENSG00000112983	BRD8 PPI subnetwork
GO:0016874	ligase activity
ENSG00000213619	NDUFS3 PPI subnetwork
GO:0032156	septin cytoskeleton
GO:0031105	septin complex
ENSG00000116711	PLA2G4A PPI subnetwork
GO:0016879	ligase activity, forming carbon-nitrogen bonds
KEGG_NON_HOMOLOGOUS_END_JOINING	KEGG_NON_HOMOLOGOUS_END_JOINING
ENSG00000166483	WEE1 PPI subnetwork
ENSG00000160678	S100A1 PPI subnetwork
GO:0035050	embryonic heart tube development
GO:0032155	cell division site part
GO:0032153	cell division site
REACTOME_FORMATION_OF_ATP_BY_CHE	REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUI
GO:0031649	heat generation
ENSG00000173163	COMMD1 PPI subnetwork
ENSG00000184922	FMNL1 PPI subnetwork
REACTOME_SWITCHING_OF_ORIGINS_TO_	REACTOME_SWITCHING_OF_ORIGINS_TO_A_POST:REPLICATI
REACTOME_ORC1_REMOVAL_FROM_CHRC	REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
GO:0001708	cell fate specification
REACTOME_SIGNALING_BY_INSULIN_RECEI	REACTOME_SIGNALING_BY_INSULIN_RECEPTOR
ENSG00000034152	MAP2K3 PPI subnetwork
GO:0003206	cardiac chamber morphogenesis
ENSG00000065135	GNAI3 PPI subnetwork
GO:0018958	phenol-containing compound metabolic process
ENSG00000125798	FOXA2 PPI subnetwork
REACTOME_FORMATION_OF_TUBULIN_FO	REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDI
ENSG00000121031	ENSG00000121031 PPI subnetwork
ENSG00000172201	ID4 PPI subnetwork
MP:0003148	decreased cochlear coiling

ENSG00000169371	SNUPN PPI subnetwork
ENSG00000182185	RAD51B PPI subnetwork
ENSG00000169220	RGS14 PPI subnetwork
MP:0010766	abnormal NK cell physiology
GO:0050832	defense response to fungus
ENSG00000167306	MYO5B PPI subnetwork
GO:0009187	cyclic nucleotide metabolic process
MP:0010090	increased circulating creatine kinase level
KEGG_LONG_TERM_DEPRESSION	KEGG_LONG_TERM_DEPRESSION
MP:0000102	abnormal nasal bone morphology
ENSG00000148835	TAF5 PPI subnetwork
REACTOME_ACTIVATION_OF_APCC_AND_A	REACTOME_ACTIVATION_OF_APCC_AND_APCCDC20_MEDIA
ENSG00000164889	SLC4A2 PPI subnetwork
REACTOME_APCCDC20_MEDIATED_DEGR	REACTOME_APCCDC20_MEDIATED_DEGRADATION_OF_MIT
ENSG00000174405	LIG4 PPI subnetwork
ENSG00000152578	GRIA4 PPI subnetwork
REACTOME_REGULATION_OF_MRNA_STAB	REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEIN
ENSG00000196277	GRM7 PPI subnetwork
GO:0000956	nuclear-transcribed mRNA catabolic process
ENSG00000178982	EIF3K PPI subnetwork
ENSG00000159199	ATP5G1 PPI subnetwork
REACTOME_FACTORS_INVOLVED_IN_MEGA	REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVE
GO:0043101	purine-containing compound salvage
GO:0009303	rRNA transcription
GO:0072175	epithelial tube formation
GO:0060537	muscle tissue development
GO:0051017	actin filament bundle assembly
GO:0048024	regulation of nuclear mRNA splicing, via spliceosome
GO:0014706	striated muscle tissue development
ENSG00000102871	TRADD PPI subnetwork
ENSG00000127564	PKMYT1 PPI subnetwork
REACTOME_GENERIC_TRANSCRIPTION_PAT	REACTOME_GENERIC_TRANSCRIPTION_PATHWAY
ENSG00000169067	ACTBL2 PPI subnetwork
ENSG00000177731	FLII PPI subnetwork
ENSG00000175324	LSM1 PPI subnetwork
MP:0010019	liver vascular congestion
GO:0015629	actin cytoskeleton
ENSG00000163516	ANKZF1 PPI subnetwork
MP:0002736	abnormal nociception after inflammation
ENSG00000149091	DGKZ PPI subnetwork
REACTOME_FGFR1_LIGAND_BINDING_AND	REACTOME_FGFR1_LIGAND_BINDING_AND_ACTIVATION
ENSG00000136936	XPA PPI subnetwork
ENSG00000142541	RPL13A PPI subnetwork
MP:0000755	hindlimb paralysis
REACTOME_CDC6_ASSOCIATION_WITH_TH	REACTOME_CDC6_ASSOCIATION_WITH_THE_ORCORIGIN_CO
MP:0006074	abnormal retinal rod bipolar cell morphology
ENSG00000198176	TFDP1 PPI subnetwork
GO:0044344	cellular response to fibroblast growth factor stimulus
GO:0071774	response to fibroblast growth factor stimulus
GO:0072659	protein localization in plasma membrane

ENSG00000165629	ATP5C1 PPI subnetwork
MP:0004939	abnormal B cell morphology
ENSG00000110436	SLC1A2 PPI subnetwork
GO:0043484	regulation of RNA splicing
GO:0070001	aspartic-type peptidase activity
GO:0004190	aspartic-type endopeptidase activity
GO:0051082	unfolded protein binding
GO:0071346	cellular response to interferon-gamma
ENSG00000118515	SGK1 PPI subnetwork
GO:0032331	negative regulation of chondrocyte differentiation
MP:0005205	abnormal eye anterior chamber morphology
MP:0010254	nuclear cataracts
MP:0008037	abnormal T cell morphology
GO:0004576	oligosaccharyl transferase activity
ENSG00000196656	ENSG00000196656 PPI subnetwork
ENSG00000197728	RPS26 PPI subnetwork
MP:0001410	head bobbing
ENSG00000136813	KIAA0368 PPI subnetwork
GO:0046112	nucleobase biosynthetic process
GO:0060322	head development
ENSG00000114126	TFDP2 PPI subnetwork
ENSG00000137818	RPLP1 PPI subnetwork
ENSG00000006125	AP2B1 PPI subnetwork
MP:0000745	tremors
ENSG00000198898	CAPZA2 PPI subnetwork
ENSG00000125970	RALY PPI subnetwork
GO:0000502	proteasome complex
GO:0048596	embryonic camera-type eye morphogenesis
ENSG00000105939	ZC3HAV1 PPI subnetwork
GO:0046660	female sex differentiation
GO:0050770	regulation of axonogenesis
REACTOME_FGFR1C_LIGAND_BINDING_AN	REACTOME_FGFR1C_LIGAND_BINDING_AND_ACTIVATION
ENSG00000132485	ZRANB2 PPI subnetwork
ENSG00000198900	TOP1 PPI subnetwork
KEGG_NEUROTROPHIN_SIGNALING_PATHV	KEGG_NEUROTROPHIN_SIGNALING_PATHWAY
ENSG00000174775	HRAS PPI subnetwork
MP:0010053	decreased grip strength
ENSG00000100804	PSMB5 PPI subnetwork
REACTOME_REGULATION_OF_DNA_REPLIC	REACTOME_REGULATION_OF_DNA_REPLICATION
KEGG_NATURAL_KILLER_CELL_MEDIATED_(	KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY
MP:0008451	retinal rod cell degeneration
MP:0001004	abnormal retinal photoreceptor morphology
MP:0000890	thin cerebellar molecular layer
ENSG00000113318	MSH3 PPI subnetwork
GO:0048333	mesodermal cell differentiation
ENSG00000176406	RIMS2 PPI subnetwork
GO:0046058	cAMP metabolic process
ENSG00000167083	GNGT2 PPI subnetwork
REACTOME_CDT1_ASSOCIATION_WITH_TH	REACTOME_CDT1_ASSOCIATION_WITH_THE_CDC6ORCORIGI
GO:0090287	regulation of cellular response to growth factor stimulus

ENSG00000174446	SNAPC5 PPI subnetwork
ENSG00000196363	WDR5 PPI subnetwork
GO:0018105	peptidyl-serine phosphorylation
ENSG00000179958	DCTPP1 PPI subnetwork
GO:0010975	regulation of neuron projection development
ENSG00000108518	PFN1 PPI subnetwork
ENSG00000145375	SPATA5 PPI subnetwork
REACTOME_MITOTIC_SPINDLE_CHECKPOIN	REACTOME_MITOTIC_SPINDLE_CHECKPOINT
ENSG00000153234	NR4A2 PPI subnetwork
GO:0030521	androgen receptor signaling pathway
REACTOME_RNA_POLYMERASE_III_TRANSC	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATIC
ENSG00000196331	HIST1H2BO PPI subnetwork
ENSG00000196136	SERPINA3 PPI subnetwork
ENSG00000101109	STK4 PPI subnetwork
ENSG00000134014	ELP3 PPI subnetwork
ENSG00000145216	FIP1L1 PPI subnetwork
ENSG00000117118	SDHB PPI subnetwork
ENSG00000169016	E2F6 PPI subnetwork
GO:0016032	viral reproduction
GO:0048009	insulin-like growth factor receptor signaling pathway
GO:0048475	coated membrane
GO:0030117	membrane coat
GO:0032813	tumor necrosis factor receptor superfamily binding
MP:0003235	abnormal alisphenoid bone morphology
ENSG00000205339	IPO7 PPI subnetwork
GO:0072075	metanephric mesenchyme development
GO:0035115	embryonic forelimb morphogenesis
GO:0000079	regulation of cyclin-dependent protein kinase activity
ENSG00000100612	DHRS7 PPI subnetwork
REACTOME_COOPERATION_OF_PREFOLDIN	REACTOME_COOPERATION_OF_PREFOLDIN_AND_TRICCCT__
REACTOME_PREFOLDIN_MEDIATED_TRANS	REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRA
ENSG00000042429	MED17 PPI subnetwork
GO:0032933	SREBP-mediated signaling pathway
GO:0003143	embryonic heart tube morphogenesis
GO:0007033	vacuole organization
GO:0070979	protein K11-linked ubiquitination
ENSG00000177200	CHD9 PPI subnetwork
ENSG00000110876	SELPLG PPI subnetwork
REACTOME_CDC20PHOSPHO:APCC_MEDIA	REACTOME_CDC20PHOSPHO:APCC_MEDIATED_DEGRADATIO
GO:0014823	response to activity
ENSG00000088320	REM1 PPI subnetwork
GO:0031400	negative regulation of protein modification process
ENSG00000141367	CLTC PPI subnetwork
REACTOME_INTERFERON_ALPHABETA_SIGI	REACTOME_INTERFERON_ALPHABETA_SIGNALING
MP:0005169	abnormal male meiosis
GO:0006402	mRNA catabolic process
GO:0042354	L-fucose metabolic process
ENSG00000114573	ATP6V1A PPI subnetwork
GO:0071616	acyl-CoA biosynthetic process
GO:0035384	thioester biosynthetic process

ENSG00000100968	NFATC4 PPI subnetwork
ENSG00000106992	AK1 PPI subnetwork
MP:0009404	centrally nucleated skeletal muscle fibers
GO:0048487	beta-tubulin binding
GO:0043473	pigmentation
ENSG00000214021	TTLL3 PPI subnetwork
GO:0042168	heme metabolic process
GO:0060795	cell fate commitment involved in formation of primary germ la
GO:0072073	kidney epithelium development
ENSG00000130811	EIF3G PPI subnetwork
GO:0004198	calcium-dependent cysteine-type endopeptidase activity
GO:0005247	voltage-gated chloride channel activity
ENSG00000158042	MRPL17 PPI subnetwork
ENSG00000120837	NFYB PPI subnetwork
ENSG00000160803	UBQLN4 PPI subnetwork
GO:0030532	small nuclear ribonucleoprotein complex
ENSG00000183091	NEB PPI subnetwork
ENSG00000189308	LIN54 PPI subnetwork
REACTOME_REGULATION_OF_ORNITHINE_	REACTOME_REGULATION_OF_ORNITHINE_DECARBOXYLASE_(
ENSG00000110801	PSMD9 PPI subnetwork
GO:0071843	cellular component biogenesis at cellular level
GO:0002753	cytoplasmic pattern recognition receptor signaling pathway
GO:0035872	nucleotide-binding domain, leucine rich repeat containing rece
GO:0070423	nucleotide-binding oligomerization domain containing signalin
ENSG00000105085	MED26 PPI subnetwork
REACTOME_JNK_C:JUN_KINASES_PHOSPHO	REACTOME_JNK_C:JUN_KINASES_PHOSPHORYLATION_AND__
ENSG00000100413	POLR3H PPI subnetwork
GO:0002763	positive regulation of myeloid leukocyte differentiation
ENSG00000196220	SRGAP3 PPI subnetwork
GO:0042101	T cell receptor complex
GO:0004540	ribonuclease activity
REACTOME_CONVERSION_FROM_APCCCDC	REACTOME_CONVERSION_FROM_APCCCDC20_TO_APCCCDH1
GO:0032535	regulation of cellular component size
GO:0002793	positive regulation of peptide secretion
MP:0000454	abnormal jaw morphology
REACTOME_SYNTHESIS_OF_GLYCOSYLPHOS	REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITO
GO:0009103	lipopolysaccharide biosynthetic process
GO:0006984	ER-nucleus signaling pathway
GO:0002407	dendritic cell chemotaxis
ENSG00000162236	STX5 PPI subnetwork
ENSG00000181610	MRPS23 PPI subnetwork
GO:0031143	pseudopodium
ENSG00000056558	TRAF1 PPI subnetwork
GO:0031063	regulation of histone deacetylation
GO:0032483	regulation of Rab protein signal transduction
GO:0032313	regulation of Rab GTPase activity
GO:0010043	response to zinc ion
ENSG00000136942	RPL35 PPI subnetwork
ENSG00000196531	NACA PPI subnetwork
MP:0005176	eyelids fail to open

ENSG00000101773	RBBP8 PPI subnetwork
ENSG00000132963	POMP PPI subnetwork
MP:0001529	abnormal vocalization
GO:0002218	activation of innate immune response
ENSG00000169057	MECP2 PPI subnetwork
REACTOME_GRB2_EVENTS_IN_ERBB2_SIGN	REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING
REACTOME_TRANSPORT_OF_INORGANIC_(	REACTOME_TRANSPORT_OF_INORGANIC_CATIONSANIONS_A
MP:0004163	abnormal adenohypophysis morphology
ENSG00000132692	BCAN PPI subnetwork
ENSG00000132964	CDK8 PPI subnetwork
MP:0006059	decreased susceptibility to ischemic brain injury
ENSG00000205220	PSMB10 PPI subnetwork
ENSG00000197265	GTF2E2 PPI subnetwork
GO:0034134	toll-like receptor 2 signaling pathway
ENSG00000054611	TBC1D22A PPI subnetwork
ENSG00000120805	ARL1 PPI subnetwork
GO:0035338	long-chain fatty-acyl-CoA biosynthetic process
GO:0035336	long-chain fatty-acyl-CoA metabolic process
GO:0045682	regulation of epidermis development
ENSG00000136631	VPS45 PPI subnetwork
GO:0009081	branched chain family amino acid metabolic process
ENSG00000105404	RABAC1 PPI subnetwork
ENSG00000163902	RPN1 PPI subnetwork
GO:0009123	nucleoside monophosphate metabolic process
GO:0045168	cell-cell signaling involved in cell fate commitment
MP:0000242	impaired fertilization
GO:0035116	embryonic hindlimb morphogenesis
ENSG00000131828	PDHA1 PPI subnetwork
MP:0002887	decreased susceptibility to pharmacologically induced seizures
GO:0060828	regulation of canonical Wnt receptor signaling pathway
ENSG00000198010	DLGAP2 PPI subnetwork
GO:0031346	positive regulation of cell projection organization
ENSG00000183735	TBK1 PPI subnetwork
GO:0030518	intracellular steroid hormone receptor signaling pathway
REACTOME_MRNA_DECAY_BY_3_TO_5_EX	REACTOME_MRNA_DECAY_BY_3_TO_5_EXORIBONUCLEASE
GO:0050771	negative regulation of axonogenesis
MP:0009403	increased variability of skeletal muscle fiber size
ENSG00000166963	MAP1A PPI subnetwork
GO:0021952	central nervous system projection neuron axonogenesis
GO:0032154	cleavage furrow
MP:0002741	small olfactory bulb
ENSG00000164494	PDSS2 PPI subnetwork
REACTOME_INACTIVATION_OF_APCC_VIA_	REACTOME_INACTIVATION_OF_APCC_VIA_DIRECT_INHIBITIO
REACTOME_INHIBITION_OF_THE_PROTEOL	REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF
ENSG00000137054	POLR1E PPI subnetwork
GO:0004721	phosphoprotein phosphatase activity
MP:0001963	abnormal hearing physiology
MP:0005157	holoprosencephaly
ENSG00000134899	ERCC5 PPI subnetwork
MP:0005094	abnormal T cell proliferation

ENSG00000105402	NAPA PPI subnetwork
ENSG00000139318	DUSP6 PPI subnetwork
GO:0009798	axis specification
GO:0015802	basic amino acid transport
GO:0015838	betaine transport
GO:0015879	carnitine transport
MP:0000359	abnormal mast cell morphology
GO:0031256	leading edge membrane
GO:0050434	positive regulation of viral transcription
ENSG00000164885	CDK5 PPI subnetwork
ENSG00000184486	POU3F2 PPI subnetwork
GO:0016675	oxidoreductase activity, acting on a heme group of donors
ENSG00000163050	ADCK3 PPI subnetwork
GO:0021513	spinal cord dorsal/ventral patterning
GO:0007519	skeletal muscle tissue development
GO:0034660	ncRNA metabolic process
ENSG00000148180	GSN PPI subnetwork
ENSG00000174307	PHLDA3 PPI subnetwork
GO:0031080	Nup107-160 complex
GO:0008593	regulation of Notch signaling pathway
GO:0008653	lipopolysaccharide metabolic process
ENSG00000111669	TPI1 PPI subnetwork
ENSG00000198888	MT-ND1 PPI subnetwork
GO:0048704	embryonic skeletal system morphogenesis
GO:0031253	cell projection membrane
GO:0002756	MyD88-independent toll-like receptor signaling pathway
REACTOME_CELL_DEATH_SIGNALLING_VIA	REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AN
ENSG00000102974	CTCF PPI subnetwork
GO:0030838	positive regulation of actin filament polymerization
ENSG00000173020	ADRBK1 PPI subnetwork
GO:0072077	renal vesicle morphogenesis
GO:0051480	cytosolic calcium ion homeostasis
MP:0004738	abnormal brainstem auditory evoked potential
REACTOME_CDO_IN_MYOGENESIS	REACTOME_CDO_IN_MYOGENESIS
REACTOME_MYOGENESIS	REACTOME_MYOGENESIS
GO:0034130	toll-like receptor 1 signaling pathway
MP:0003993	abnormal ventral spinal root morphology
ENSG00000164687	FABP5 PPI subnetwork
REACTOME_FORMATION_OF_THE_HIV:1_E	REACTOME_FORMATION_OF_THE_HIV:1_EARLY_ELONGATIOI
REACTOME_FORMATION_OF_THE_EARLY_I	REACTOME_FORMATION_OF_THE_EARLY_ELONGATION_COM
ENSG00000102898	NUTF2 PPI subnetwork
ENSG00000104695	PPP2CB PPI subnetwork
MP:0008006	increased stomach pH
MP:0000455	abnormal maxilla morphology
GO:0021533	cell differentiation in hindbrain
GO:0031058	positive regulation of histone modification
ENSG00000172572	PDE3A PPI subnetwork
MP:0005578	teratozoospermia
ENSG00000104320	NBN PPI subnetwork
GO:0030317	sperm motility

GO:0017148	negative regulation of translation
ENSG00000129083	COPB1 PPI subnetwork
MP:0004813	absent linear vestibular evoked potential
REACTOME_ADP_SIGNALLING_THROUGH_I	REACTOME_ADP_SIGNALLING_THROUGH_P2Y_PURINOCEPTC
ENSG00000124217	MOCS3 PPI subnetwork
GO:0006376	mRNA splice site selection
REACTOME_EICOSANOID_LIGAND:BINDING	REACTOME_EICOSANOID_LIGAND:BINDING_RECEPTORS
GO:0006687	glycosphingolipid metabolic process
ENSG00000183814	LIN9 PPI subnetwork
GO:0001776	leukocyte homeostasis
MP:0000886	abnormal cerebellar granule layer
ENSG00000177565	TBL1XR1 PPI subnetwork
MP:0002423	abnormal mast cell physiology
MP:0002864	abnormal ocular fundus morphology
ENSG00000103510	KAT8 PPI subnetwork
GO:0006278	RNA-dependent DNA replication
GO:0018149	peptide cross-linking
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYN
ENSG00000144713	RPL32 PPI subnetwork
GO:0045787	positive regulation of cell cycle
MP:0001145	abnormal male reproductive system morphology
ENSG00000004660	CAMKK1 PPI subnetwork
GO:0015682	ferric iron transport
GO:0033572	transferrin transport
ENSG00000147684	NDUFB9 PPI subnetwork
REACTOME_DCC_MEDIATED_ATTRACTIVE_	REACTOME_DCC_MEDIATED_ATTRACTIVE_SIGNALING
ENSG00000124507	PACSIN1 PPI subnetwork
GO:0042612	MHC class I protein complex
ENSG00000065989	PDE4A PPI subnetwork
ENSG00000018236	CNTN1 PPI subnetwork
GO:0061061	muscle structure development
ENSG00000082397	EPB41L3 PPI subnetwork
GO:0006940	regulation of smooth muscle contraction
GO:0042074	cell migration involved in gastrulation
GO:0030042	actin filament depolymerization
ENSG00000126458	RRAS PPI subnetwork
ENSG00000166986	MARS PPI subnetwork
GO:0018209	peptidyl-serine modification
GO:0001823	mesonephros development
GO:0046545	development of primary female sexual characteristics
GO:0061077	chaperone-mediated protein folding
ENSG00000173327	MAP3K11 PPI subnetwork
GO:0005372	water transmembrane transporter activity
REACTOME_REMOVAL_OF_LICENSING_FAC	REACTOME_REMOVAL_OF_LICENSING_FACTORS_FROM_ORIC
GO:0009620	response to fungus
GO:0072006	nephron development
GO:0014704	intercalated disc
GO:0002088	lens development in camera-type eye
GO:0008509	anion transmembrane transporter activity
ENSG00000113312	TTC1 PPI subnetwork

GO:0044450	microtubule organizing center part
GO:0005834	heterotrimeric G-protein complex
REACTOME_RECYCLING_PATHWAY_OF_L1	REACTOME_RECYCLING_PATHWAY_OF_L1
REACTOME_GLUTAMATE_BINDING_ACTIVA	REACTOME_GLUTAMATE_BINDING_ACTIVATION_OF_AMPA_I
REACTOME_TRAFFICKING_OF_AMPA_RECE	REACTOME_TRAFFICKING_OF_AMPA_RECEPTORS
ENSG00000105176	URI1 PPI subnetwork
GO:0019002	GMP binding
GO:0001893	maternal placenta development
GO:0050690	regulation of defense response to virus by virus
GO:0032587	ruffle membrane
MP:0002813	microcytosis
ENSG00000137841	PLCB2 PPI subnetwork
GO:0070972	protein localization in endoplasmic reticulum
ENSG00000155959	VBP1 PPI subnetwork
ENSG00000147889	CDKN2A PPI subnetwork
ENSG00000134333	LDHA PPI subnetwork
GO:0006417	regulation of translation
GO:0008299	isoprenoid biosynthetic process
ENSG00000145494	NDUFS6 PPI subnetwork
ENSG00000111716	LDHB PPI subnetwork
ENSG00000136156	ITM2B PPI subnetwork
GO:0009898	internal side of plasma membrane
GO:0016409	palmitoyltransferase activity
ENSG00000145041	VPRBP PPI subnetwork
ENSG00000160844	GATS PPI subnetwork
REACTOME_PROLACTIN_RECEPTOR_SIGNA	REACTOME_PROLACTIN_RECEPTOR_SIGNALING
MP:0000921	demyelination
ENSG00000008277	ADAM22 PPI subnetwork
ENSG00000100813	ACIN1 PPI subnetwork
ENSG00000145649	GZMA PPI subnetwork
GO:0006364	rRNA processing
ENSG00000102387	TAF7L PPI subnetwork
ENSG00000072110	ACTN1 PPI subnetwork
GO:0051250	negative regulation of lymphocyte activation
ENSG00000164919	COX6C PPI subnetwork
GO:0006144	purine base metabolic process
MP:0008173	increased follicular B cell number
GO:0007223	Wnt receptor signaling pathway, calcium modulating pathway
ENSG00000153563	CD8A PPI subnetwork
GO:0001077	RNA polymerase II core promoter proximal region sequence-s
GO:0046631	alpha-beta T cell activation
ENSG00000067842	ATP2B3 PPI subnetwork
GO:0006200	ATP catabolic process
MP:0002239	abnormal nasal septum morphology
ENSG00000010810	FYN PPI subnetwork
GO:0044455	mitochondrial membrane part
GO:0002286	T cell activation involved in immune response
ENSG00000104517	UBR5 PPI subnetwork
REACTOME_CYCLIN_E_ASSOCIATED_EVENT	REACTOME_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1S_T
MP:0004841	abnormal small intestine crypts of Lieberkuhn morphology

ENSG00000198925	ATG9A PPI subnetwork
ENSG00000197969	VPS13A PPI subnetwork
GO:0044445	cytosolic part
ENSG00000132002	DNAJB1 PPI subnetwork
MP:0006400	decreased molar number
REACTOME_BASE_EXCISION_REPAIR	REACTOME_BASE_EXCISION_REPAIR
REACTOME_RESOLUTION_OF_ABASIC_SITE	REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES
GO:0042108	positive regulation of cytokine biosynthetic process
ENSG00000170296	GABARAP PPI subnetwork
REACTOME_INTRINSIC_PATHWAY_FOR_AP	REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
GO:0016570	histone modification
GO:0060333	interferon-gamma-mediated signaling pathway
ENSG00000204523	ENSG00000204523 PPI subnetwork
GO:0061180	mammary gland epithelium development
MP:0000961	abnormal dorsal root ganglion morphology
GO:0072331	signal transduction by p53 class mediator
MP:0009238	coiled sperm flagellum
ENSG00000092010	PSME1 PPI subnetwork
ENSG00000141570	CBX8 PPI subnetwork
GO:0010830	regulation of myotube differentiation
ENSG00000140307	GTF2A2 PPI subnetwork
REACTOME_FORMATION_OF_A_POOL_OF_	REACTOME_FORMATION_OF_A_POOL_OF_FREE_40S_SUBUN
GO:0003156	regulation of organ formation
GO:0000159	protein phosphatase type 2A complex
ENSG00000160307	S100B PPI subnetwork
ENSG00000131153	GINS2 PPI subnetwork
REACTOME_NGF_SIGNALLING_VIA_TRKA_F	REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASM
MP:0001417	decreased exploration in new environment
ENSG00000168495	POLR3D PPI subnetwork
ENSG00000103266	STUB1 PPI subnetwork
ENSG00000153071	DAB2 PPI subnetwork
ENSG00000180209	MYLPF PPI subnetwork
ENSG00000101004	NINL PPI subnetwork
ENSG00000106829	TLE4 PPI subnetwork
ENSG00000172531	PPP1CA PPI subnetwork
MP:0008267	abnormal hippocampus CA3 region morphology
MP:0008827	abnormal thymus cell ratio
GO:0016881	acid-amino acid ligase activity
GO:0051147	regulation of muscle cell differentiation
ENSG00000139613	SMARCC2 PPI subnetwork
GO:0008064	regulation of actin polymerization or depolymerization
GO:0030120	vesicle coat
GO:0017157	regulation of exocytosis
ENSG00000173011	TADA2B PPI subnetwork
GO:0051890	regulation of cardioblast differentiation
ENSG00000159840	ZYX PPI subnetwork
GO:0007015	actin filament organization
ENSG00000105486	LIG1 PPI subnetwork
GO:0004532	exoribonuclease activity
ENSG00000056661	PCGF2 PPI subnetwork

GO:0001958	endochondral ossification
GO:0012506	vesicle membrane
GO:0048013	ephrin receptor signaling pathway
GO:0005089	Rho guanyl-nucleotide exchange factor activity
GO:0048745	smooth muscle tissue development
GO:0042692	muscle cell differentiation
GO:0007004	telomere maintenance via telomerase
ENSG00000173674	EIF1AX PPI subnetwork
GO:0030178	negative regulation of Wnt receptor signaling pathway
ENSG00000185745	IFIT1 PPI subnetwork
GO:0043174	nucleoside salvage
ENSG00000139436	GIT2 PPI subnetwork
GO:0003755	peptidyl-prolyl cis-trans isomerase activity
ENSG00000101608	MYL12A PPI subnetwork
REACTOME_SYNTHESIS_OF_DNA	REACTOME_SYNTHESIS_OF_DNA
GO:0072028	nephron morphogenesis
REACTOME_MITOCHONDRIAL_TRNA_AMIN	REACTOME_MITOCHONDRIAL_TRNA_AMINOACYLATION
MP:0005403	abnormal nerve conduction
ENSG00000187735	TCEA1 PPI subnetwork
ENSG00000161980	POLR3K PPI subnetwork
MP:0002102	abnormal ear morphology
MP:0008892	abnormal sperm flagellum morphology
ENSG00000143384	MCL1 PPI subnetwork
ENSG00000140368	PSTPIP1 PPI subnetwork
ENSG00000114166	KAT2B PPI subnetwork
REACTOME_GLUCAGON:TYPE_LIGAND_REC	REACTOME_GLUCAGON:TYPE_LIGAND_RECEPTORS
GO:0031683	G-protein beta/gamma-subunit complex binding
GO:0021532	neural tube patterning
REACTOME_NCAM_SIGNALING_FOR_NEUR	REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT:GROWTH
ENSG00000134243	SORT1 PPI subnetwork
MP:0000748	progressive muscle weakness
GO:0051187	cofactor catabolic process
ENSG00000101017	CD40 PPI subnetwork
GO:0070227	lymphocyte apoptotic process
GO:0016568	chromatin modification
GO:0006906	vesicle fusion
GO:0005096	GTPase activator activity
ENSG00000120265	PCMT1 PPI subnetwork
GO:0042455	ribonucleoside biosynthetic process
GO:0042451	purine nucleoside biosynthetic process
GO:0046129	purine ribonucleoside biosynthetic process
ENSG00000176386	CDC26 PPI subnetwork
ENSG00000204681	GABBR1 PPI subnetwork
ENSG00000206466	GABBR1 PPI subnetwork
ENSG00000206511	GABBR1 PPI subnetwork
ENSG00000125977	EIF2S2 PPI subnetwork
MP:0005503	abnormal tendon morphology
ENSG00000167986	DDB1 PPI subnetwork
GO:0005164	tumor necrosis factor receptor binding
GO:0051233	spindle midzone

GO:0042623	ATPase activity, coupled
GO:0030159	receptor signaling complex scaffold activity
MP:0011448	decreased dopaminergic neuron number
GO:0060338	regulation of type I interferon-mediated signaling pathway
MP:0004084	abnormal cardiac muscle relaxation
MP:0003996	clonic seizures
ENSG00000167283	ATP5L PPI subnetwork
REACTOME_PLATELET_HOMEOSTASIS	REACTOME_PLATELET_HOMEOSTASIS
ENSG00000108590	MED31 PPI subnetwork
GO:2000514	regulation of CD4-positive, alpha-beta T cell activation
KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS	KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS
MP:0004769	abnormal synaptic vesicle morphology
GO:0001637	G-protein coupled chemoattractant receptor activity
GO:0004950	chemokine receptor activity
ENSG00000076248	UNG PPI subnetwork
GO:0005085	guanyl-nucleotide exchange factor activity
GO:0030163	protein catabolic process
ENSG00000115484	CCT4 PPI subnetwork
ENSG00000117592	PRDX6 PPI subnetwork
ENSG00000054118	THRAP3 PPI subnetwork
GO:0002052	positive regulation of neuroblast proliferation
MP:0008515	thin retinal outer nuclear layer
ENSG00000162290	ENSG00000162290 PPI subnetwork
GO:0007409	axonogenesis
GO:0031060	regulation of histone methylation
ENSG00000137345	MOG PPI subnetwork
ENSG00000204655	MOG PPI subnetwork
ENSG00000206456	ENSG00000206456 PPI subnetwork
ENSG00000177301	KCNA2 PPI subnetwork
MP:0008027	abnormal spinal cord white matter morphology
GO:0004143	diacylglycerol kinase activity
REACTOME_PD:1_SIGNALING	REACTOME_PD:1_SIGNALING
ENSG00000100462	PRMT5 PPI subnetwork
MP:0001488	increased startle reflex
GO:0032838	cell projection cytoplasm
GO:0002708	positive regulation of lymphocyte mediated immunity
GO:0002705	positive regulation of leukocyte mediated immunity
GO:0016569	covalent chromatin modification
GO:0005840	ribosome
ENSG00000203852	HIST2H3A PPI subnetwork
ENSG00000077080	ACTL6B PPI subnetwork
ENSG00000169592	INO80E PPI subnetwork
GO:0031128	developmental induction
MP:0004139	abnormal gastric parietal cell morphology
ENSG00000166747	AP1G1 PPI subnetwork
ENSG00000128739	SNRPN PPI subnetwork
ENSG00000102977	ACD PPI subnetwork
ENSG00000113368	LMNB1 PPI subnetwork
GO:0005088	Ras guanyl-nucleotide exchange factor activity
GO:0008250	oligosaccharyltransferase complex

GO:0016896	exoribonuclease activity, producing 5'-phosphomonoesters
REACTOME_HIGHLY_CALCIUM_PERMEABLE	REACTOME_HIGHLY_CALCIUM_PERMEABLE_POSTSYNAPTIC_N
GO:0007501	mesodermal cell fate specification
GO:0002089	lens morphogenesis in camera-type eye
GO:0072210	metanephric nephron development
ENSG00000161040	FBXL13 PPI subnetwork
ENSG00000064419	TNPO3 PPI subnetwork
ENSG00000093009	CDC45 PPI subnetwork
REACTOME_INTERLEUKIN:2_SIGNALING	REACTOME_INTERLEUKIN:2_SIGNALING
REACTOME_NUCLEOTIDE:BINDING_DOMAI	REACTOME_NUCLEOTIDE:BINDING_DOMAIN_LEUCINE_RICH_
GO:0048709	oligodendrocyte differentiation
GO:0045621	positive regulation of lymphocyte differentiation
ENSG00000198366	HIST1H3A PPI subnetwork
ENSG00000182572	HIST1H3I PPI subnetwork
ENSG00000196532	HIST1H3C PPI subnetwork
ENSG00000178458	ENSG00000178458 PPI subnetwork
ENSG00000196966	HIST1H3E PPI subnetwork
ENSG00000124693	HIST1H3B PPI subnetwork
ENSG00000197409	HIST1H3D PPI subnetwork
ENSG00000197153	HIST1H3J PPI subnetwork
ENSG00000112727	ENSG00000112727 PPI subnetwork
ENSG00000142252	GEMIN7 PPI subnetwork
ENSG00000170579	DLGAP1 PPI subnetwork
ENSG00000101849	TBL1X PPI subnetwork
REACTOME_NCAM1_INTERACTIONS	REACTOME_NCAM1_INTERACTIONS
KEGG_GLIOMA	KEGG_GLIOMA
ENSG00000179344	HLA-DQB1 PPI subnetwork
REACTOME_REGULATION_OF_APCC_ACTIV	REACTOME_REGULATION_OF_APCC_ACTIVATORS_BETWEEN_
ENSG00000119318	RAD23B PPI subnetwork
MP:0009409	abnormal skeletal muscle fiber type ratio
GO:0019882	antigen processing and presentation
MP:0002563	shortened circadian period
MP:0004090	abnormal sarcomere morphology
KEGG_PRIMARY_IMMUNODEFICIENCY	KEGG_PRIMARY_IMMUNODEFICIENCY
REACTOME_INTERFERON_GAMMA_SIGNAL	REACTOME_INTERFERON_GAMMA_SIGNALING
ENSG00000130779	CLIP1 PPI subnetwork
REACTOME_NRIF_SIGNALS_CELL_DEATH_F	REACTOME_NRIF_SIGNALS_CELL_DEATH_FROM_THE_NUCLEU
ENSG00000120149	MSX2 PPI subnetwork
GO:0090090	negative regulation of canonical Wnt receptor signaling pathw
MP:0002823	abnormal rib development
REACTOME_PKA_ACTIVATION_IN_GLUCAG	REACTOME_PKA_ACTIVATION_IN_GLUCAGON_SIGNALLING
ENSG00000185024	BRF1 PPI subnetwork
GO:0003197	endocardial cushion development
GO:0009112	nucleobase metabolic process
GO:0051085	chaperone mediated protein folding requiring cofactor
MP:0002766	situs inversus
MP:0002988	decreased urine osmolality
REACTOME_TETRAHYDROBIOPTERIN_BH4_	REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYC
GO:0009881	photoreceptor activity
ENSG00000118985	ELL2 PPI subnetwork

MP:0008056	abnormal retinal ganglion cell morphology
REACTOME_ACETYLCHOLINE_NEUROTRANS	REACTOME_ACETYLCHOLINE_NEUROTRANSMITTER_RELEASE_
GO:0021536	diencephalon development
MP:0005461	abnormal dendritic cell morphology
GO:0032623	interleukin-2 production
GO:0034332	adherens junction organization
GO:0000178	exosome (RNase complex)
ENSG00000120699	EXOSC8 PPI subnetwork
MP:0001906	increased dopamine level
MP:0001693	failure of primitive streak formation
ENSG00000168394	TAP1 PPI subnetwork
ENSG00000206233	ENSG00000206233 PPI subnetwork
ENSG00000206297	TAP1 PPI subnetwork
GO:0008430	selenium binding
ENSG00000152056	AP1S3 PPI subnetwork
GO:0072132	mesenchyme morphogenesis
GO:0008584	male gonad development
ENSG00000161800	RACGAP1 PPI subnetwork
ENSG00000182568	SATB1 PPI subnetwork
ENSG00000152270	PDE3B PPI subnetwork
GO:0045063	T-helper 1 cell differentiation
ENSG00000147677	EIF3H PPI subnetwork
ENSG00000149480	MTA2 PPI subnetwork
GO:0043901	negative regulation of multi-organism process
GO:0060571	morphogenesis of an epithelial fold
MP:0001922	reduced male fertility
GO:0035136	forelimb morphogenesis
GO:0042733	embryonic digit morphogenesis
GO:0042094	interleukin-2 biosynthetic process
GO:0008637	apoptotic mitochondrial changes
ENSG00000148468	FAM171A1 PPI subnetwork
GO:0072087	renal vesicle development
ENSG00000076003	MCM6 PPI subnetwork
ENSG00000198851	CD3E PPI subnetwork
ENSG00000114982	KANSL3 PPI subnetwork
ENSG00000105963	ADAP1 PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PI3KGA
GO:0016363	nuclear matrix
MP:0008083	decreased single-positive T cell number
MP:0001096	abnormal glossopharyngeal ganglion morphology
ENSG00000112282	MED23 PPI subnetwork
GO:0015103	inorganic anion transmembrane transporter activity
ENSG00000047249	ATP6V1H PPI subnetwork
GO:0015116	sulfate transmembrane transporter activity
ENSG00000167641	PPP1R14A PPI subnetwork
ENSG00000111752	PHC1 PPI subnetwork
GO:0002279	mast cell activation involved in immune response
REACTOME_DNA_REPLICATION_PRE:INITIA	REACTOME_DNA_REPLICATION_PRE:INITIATION
REACTOME_MG1_TRANSITION	REACTOME_MG1_TRANSITION
MP:0002217	small lymph nodes

GO:0005753	mitochondrial proton-transporting ATP synthase complex
REACTOME_CYCLIN_ACDK2:ASSOCIATED_E	REACTOME_CYCLIN_ACDK2:ASSOCIATED_EVENTS_AT_S_PHAS
MP:0004145	abnormal muscle electrophysiology
ENSG00000116329	OPRD1 PPI subnetwork
GO:0048483	autonomic nervous system development
GO:0016765	transferase activity, transferring alkyl or aryl (other than meth
GO:0060993	kidney morphogenesis
MP:0002626	increased heart rate
REACTOME_RNA_POLYMERASE_II_PROMO	REACTOME_RNA_POLYMERASE_II_PROMOTER_ESCAPE
REACTOME_RNA_POLYMERASE_II_HIV:1_P	REACTOME_RNA_POLYMERASE_II_HIV:1_PROMOTER_ESCAPE
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_INITIATIC
REACTOME_HIV:1_TRANSCRIPTION_INITIAT	REACTOME_HIV:1_TRANSCRIPTION_INITIATION
REACTOME_RNA_POLYMERASE_II_TRANSC	REACTOME_RNA_POLYMERASE_II_TRANSCRIPTION_PRE:INITI
ENSG00000188404	SELL PPI subnetwork
ENSG00000188223	LIN37 PPI subnetwork
ENSG00000123358	NR4A1 PPI subnetwork
ENSG00000112851	ERBB2IP PPI subnetwork
ENSG00000049541	RFC2 PPI subnetwork
GO:0070469	respiratory chain
ENSG00000203813	HIST1H3H PPI subnetwork
GO:0060572	morphogenesis of an epithelial bud
GO:2000516	positive regulation of CD4-positive, alpha-beta T cell activatior
GO:0043372	positive regulation of CD4-positive, alpha-beta T cell differenti
GO:0016311	dephosphorylation
MP:0010792	abnormal stomach mucosa morphology
REACTOME_COSTIMULATION_BY_THE_CD2	REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY
GO:2001020	regulation of response to DNA damage stimulus
GO:0030799	regulation of cyclic nucleotide metabolic process
GO:0016790	thiolester hydrolase activity
GO:0016667	oxidoreductase activity, acting on a sulfur group of donors
MP:0005136	decreased growth hormone level
REACTOME_CELL_CYCLE_CHECKPOINTS	REACTOME_CELL_CYCLE_CHECKPOINTS
ENSG00000043591	ADRB1 PPI subnetwork
REACTOME_NUCLEOTIDE_EXCISION_REPAI	REACTOME_NUCLEOTIDE_EXCISION_REPAIR
ENSG00000197780	TAF13 PPI subnetwork
GO:0006693	prostaglandin metabolic process
GO:0030218	erythrocyte differentiation
ENSG00000111344	RASAL1 PPI subnetwork
GO:0061097	regulation of protein tyrosine kinase activity
ENSG00000149084	HSD17B12 PPI subnetwork
ENSG00000100395	L3MBTL2 PPI subnetwork
GO:0030816	positive regulation of cAMP metabolic process
GO:0030819	positive regulation of cAMP biosynthetic process
MP:0004542	impaired acrosome reaction
ENSG00000088305	DNMT3B PPI subnetwork
ENSG00000198286	CARD11 PPI subnetwork
ENSG00000100387	RBX1 PPI subnetwork
MP:0006316	increased urine sodium level
ENSG00000135999	EPC2 PPI subnetwork

ENSG00000204264	PSMB8 PPI subnetwork
ENSG00000206298	PSMB8 PPI subnetwork
ENSG00000206234	ENSG00000206234 PPI subnetwork
ENSG00000198938	MT-CO3 PPI subnetwork
GO:0009164	nucleoside catabolic process
GO:0002755	MyD88-dependent toll-like receptor signaling pathway
ENSG00000182979	MTA1 PPI subnetwork
ENSG00000139132	FGD4 PPI subnetwork
ENSG00000101442	ACTR5 PPI subnetwork
GO:0014033	neural crest cell differentiation
ENSG00000204261	ENSG00000204261 PPI subnetwork
ENSG00000206296	ENSG00000206296 PPI subnetwork
ENSG00000206232	ENSG00000206232 PPI subnetwork
GO:0003678	DNA helicase activity
ENSG00000133710	SPINK5 PPI subnetwork
GO:0004725	protein tyrosine phosphatase activity
GO:0072243	metanephric nephron epithelium development
GO:0072234	metanephric nephron tubule development
GO:0005839	proteasome core complex
ENSG00000153774	CFDP1 PPI subnetwork
GO:0042476	odontogenesis
GO:0030832	regulation of actin filament length
GO:0008016	regulation of heart contraction
GO:0030659	cytoplasmic vesicle membrane
MP:0001463	abnormal spatial learning
ENSG00000167553	TUBA1C PPI subnetwork
ENSG00000169032	MAP2K1 PPI subnetwork
ENSG00000186787	SPIN2B PPI subnetwork
ENSG00000204271	SPIN3 PPI subnetwork
ENSG00000115254	ENSG00000115254 PPI subnetwork
ENSG00000155229	MMS19 PPI subnetwork
GO:0043303	mast cell degranulation
ENSG00000153147	SMARCA5 PPI subnetwork
GO:0043370	regulation of CD4-positive, alpha-beta T cell differentiation
REACTOME_PHOSPHOLIPASE_C:MEDIATED	REACTOME_PHOSPHOLIPASE_C:MEDIATED_CASCADE
ENSG00000138376	BARD1 PPI subnetwork
ENSG00000182117	NOP10 PPI subnetwork
GO:0042475	odontogenesis of dentin-containing tooth
ENSG00000159461	AMFR PPI subnetwork
GO:0046546	development of primary male sexual characteristics
ENSG00000187953	ENSG00000187953 PPI subnetwork
ENSG00000122512	PMS2 PPI subnetwork
REACTOME_PROSTACYCLIN_SIGNALLING_T	REACTOME_PROSTACYCLIN_SIGNALLING_THROUGH_PROSTA
GO:0001755	neural crest cell migration
GO:2001252	positive regulation of chromosome organization
ENSG00000164442	CITED2 PPI subnetwork
GO:0048813	dendrite morphogenesis
ENSG00000128731	HERC2 PPI subnetwork
ENSG00000184678	HIST2H2BE PPI subnetwork
GO:0016585	chromatin remodeling complex

GO:0045814	negative regulation of gene expression, epigenetic
GO:0060173	limb development
GO:0048736	appendage development
GO:0019933	cAMP-mediated signaling
REACTOME_CD28_DEPENDENT_VAV1_PAT	REACTOME_CD28_DEPENDENT_VAV1_PATHWAY
MP:0004249	abnormal crista ampullaris morphology
GO:0033209	tumor necrosis factor-mediated signaling pathway
GO:0016458	gene silencing
GO:0090263	positive regulation of canonical Wnt receptor signaling pathwa
ENSG00000163531	NFASC PPI subnetwork
ENSG00000179899	ENSG00000179899 PPI subnetwork
MP:0004859	abnormal synaptic plasticity
ENSG00000145335	SNCA PPI subnetwork
GO:0009163	nucleoside biosynthetic process
MP:0000761	thin diaphragm muscle
ENSG00000166206	GABRB3 PPI subnetwork
ENSG00000114450	GNB4 PPI subnetwork
ENSG00000092853	CLSPN PPI subnetwork
ENSG00000128340	RAC2 PPI subnetwork
ENSG00000135972	MRPS9 PPI subnetwork
MP:0006007	abnormal basal ganglion morphology
MP:0000751	myopathy
GO:0022613	ribonucleoprotein complex biogenesis
GO:0045495	pole plasm
GO:0060293	germ plasm
GO:0043186	P granule
GO:0000080	G1 phase of mitotic cell cycle
ENSG00000119383	PPP2R4 PPI subnetwork
REACTOME_DEADENYLATION:DEPENDENT_	REACTOME_DEADENYLATION:DEPENDENT_MRNA_DECAY
GO:0031398	positive regulation of protein ubiquitination
MP:0002795	dilated cardiomyopathy
ENSG00000185883	ATP6V0C PPI subnetwork
GO:0001782	B cell homeostasis
GO:0030330	DNA damage response, signal transduction by p53 class media
MP:0001270	distended abdomen
GO:0015935	small ribosomal subunit
ENSG00000136842	TMOD1 PPI subnetwork
GO:0021983	pituitary gland development
ENSG00000185619	PCGF3 PPI subnetwork
ENSG00000108264	TADA2A PPI subnetwork
GO:0055012	ventricular cardiac muscle cell differentiation
ENSG00000175416	CLTB PPI subnetwork
REACTOME_CD28_CO:STIMULATION	REACTOME_CD28_CO:STIMULATION
GO:0005746	mitochondrial respiratory chain
GO:0000940	condensed chromosome outer kinetochore
MP:0002022	increased lymphoma incidence
GO:0043087	regulation of GTPase activity
ENSG00000168539	CHRM1 PPI subnetwork
GO:0072074	kidney mesenchyme development
REACTOME_CD28_DEPENDENT_PI3KAKT_S	REACTOME_CD28_DEPENDENT_PI3KAKT_SIGNALING

GO:0019233	sensory perception of pain
MP:0008070	absent T cells
GO:0003746	translation elongation factor activity
ENSG00000048828	FAM120A PPI subnetwork
GO:0051568	histone H3-K4 methylation
ENSG00000053900	ANAPC4 PPI subnetwork
ENSG00000105568	PPP2R1A PPI subnetwork
REACTOME_UNWINDING_OF_DNA	REACTOME_UNWINDING_OF_DNA
REACTOME_RESPIRATORY_ELECTRON_TRA	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
ENSG00000133703	KRAS PPI subnetwork
ENSG00000063322	MED29 PPI subnetwork
GO:0071158	positive regulation of cell cycle arrest
ENSG00000198836	OPA1 PPI subnetwork
ENSG00000144744	UBA3 PPI subnetwork
GO:0006213	pyrimidine nucleoside metabolic process
ENSG00000156374	PCGF6 PPI subnetwork
GO:0033202	DNA helicase complex
GO:0031011	Ino80 complex
GO:0006760	folic acid-containing compound metabolic process
GO:0001505	regulation of neurotransmitter levels
ENSG00000085365	ENSG00000085365 PPI subnetwork
GO:0072657	protein localization in membrane
ENSG00000007312	CD79B PPI subnetwork
MP:0005297	spina bifida occulta
MP:0000819	abnormal olfactory bulb morphology
ENSG00000140694	PARN PPI subnetwork
GO:0016072	rRNA metabolic process
MP:0006410	abnormal common myeloid progenitor cell morphology
ENSG00000164091	WDR82 PPI subnetwork
ENSG00000185359	HGS PPI subnetwork
GO:0002053	positive regulation of mesenchymal cell proliferation
GO:0006692	prostanoid metabolic process
ENSG00000104131	EIF3J PPI subnetwork
GO:0007588	excretion
GO:0060443	mammary gland morphogenesis
ENSG00000133103	COG6 PPI subnetwork
REACTOME_PROTEIN_FOLDING	REACTOME_PROTEIN_FOLDING
GO:0030326	embryonic limb morphogenesis
GO:0035113	embryonic appendage morphogenesis
GO:0006171	cAMP biosynthetic process
REACTOME_PKA_ACTIVATION	REACTOME_PKA_ACTIVATION
GO:0003203	endocardial cushion morphogenesis
GO:0033124	regulation of GTP catabolic process
GO:0005313	L-glutamate transmembrane transporter activity
GO:0001076	RNA polymerase II transcription factor binding transcription fa
GO:0033077	T cell differentiation in thymus
ENSG00000076242	MLH1 PPI subnetwork
GO:0005892	acetylcholine-gated channel complex
ENSG00000104637	ENSG00000104637 PPI subnetwork
ENSG00000113356	POLR3G PPI subnetwork

ENSG00000073111	MCM2 PPI subnetwork
GO:0002757	immune response-activating signal transduction
ENSG00000066032	CTNNA2 PPI subnetwork
ENSG00000106554	CHCHD3 PPI subnetwork
ENSG00000178562	CD28 PPI subnetwork
GO:0003231	cardiac ventricle development
REACTOME_SIGNALLING_TO_P38_VIA_RIT_	REACTOME_SIGNALLING_TO_P38_VIA_RIT_AND_RIN
GO:0048738	cardiac muscle tissue development
REACTOME_MRNA_DECAY_BY_5_TO_3_EX	REACTOME_MRNA_DECAY_BY_5_TO_3_EXORIBONUCLEASE
ENSG00000157456	CCNB2 PPI subnetwork
GO:0001947	heart looping
GO:0061371	determination of heart left/right asymmetry
GO:0072498	embryonic skeletal joint development
ENSG00000129562	DAD1 PPI subnetwork
ENSG00000167863	ATP5H PPI subnetwork
REACTOME_LOSS_OF_NLP_FROM_MITOTIC	REACTOME_LOSS_OF_NLP_FROM_MITOTIC_CENTROSOMES
REACTOME_LOSS_OF_PROTEINS_REQUIRE	REACTOME_LOSS_OF_PROTEINS_REQUIRED_FOR_INTERPHAS
ENSG00000063245	EPN1 PPI subnetwork
GO:0031345	negative regulation of cell projection organization
GO:0006342	chromatin silencing
REACTOME_LEADING_STRAND_SYNTHESIS	REACTOME_LEADING_STRAND_SYNTHESIS
REACTOME_POLYMERASE_SWITCHING	REACTOME_POLYMERASE_SWITCHING
REACTOME_POLYMERASE_SWITCHING_ON	REACTOME_POLYMERASE_SWITCHING_ON_THE_C:STRAND_C
ENSG00000141552	ANAPC11 PPI subnetwork
GO:0042254	ribosome biogenesis
GO:0043189	H4/H2A histone acetyltransferase complex
GO:0019207	kinase regulator activity
MP:0006009	abnormal neuronal migration
GO:0072088	nephron epithelium morphogenesis
MP:0004994	abnormal brain wave pattern
ENSG00000155329	ZCCHC10 PPI subnetwork
GO:0022411	cellular component disassembly
ENSG00000175602	CCDC85B PPI subnetwork
ENSG00000177105	RHOG PPI subnetwork
GO:0045263	proton-transporting ATP synthase complex, coupling factor F(
REACTOME_TELOMERE_C:STRAND_LAGGIN	REACTOME_TELOMERE_C:STRAND_LAGGING_STRAND_SYNTH
ENSG00000185787	MORF4L1 PPI subnetwork
REACTOME_ENERGY_DEPENDENT_REGULA	REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_E
GO:0004402	histone acetyltransferase activity
GO:0042100	B cell proliferation
GO:0002448	mast cell mediated immunity
ENSG00000109332	UBE2D3 PPI subnetwork
GO:0045737	positive regulation of cyclin-dependent protein kinase activity
GO:0015934	large ribosomal subunit
ENSG00000049245	VAMP3 PPI subnetwork
ENSG00000099917	MED15 PPI subnetwork
ENSG00000003096	KLHL13 PPI subnetwork
REACTOME_INHIBITION_OF_INSULIN_SECR	REACTOME_INHIBITION_OF_INSULIN_SECRETION_BY_ADRENA
MP:0010107	abnormal renal reabsorbtion
GO:0042976	activation of Janus kinase activity

ENSG00000152944	MED21 PPI subnetwork
GO:0004812	aminoacyl-tRNA ligase activity
GO:0016876	ligase activity, forming aminoacyl-tRNA and related compounc
GO:0016875	ligase activity, forming carbon-oxygen bonds
GO:0010510	regulation of acetyl-CoA biosynthetic process from pyruvate
GO:0006086	acetyl-CoA biosynthetic process from pyruvate
REACTOME_G:PROTEIN_ACTIVATION	REACTOME_G:PROTEIN_ACTIVATION
ENSG00000121274	PAPD5 PPI subnetwork
GO:0042472	inner ear morphogenesis
REACTOME_NACL:_DEPENDENT_NEUROTR	REACTOME_NACL:_DEPENDENT_NEUROTRANSMITTER_TRAN
GO:0035051	cardiac cell differentiation
ENSG00000148229	POLE3 PPI subnetwork
ENSG00000115310	RTN4 PPI subnetwork
MP:0000458	abnormal mandible morphology
ENSG00000125818	PSMF1 PPI subnetwork
KEGG_VASCULAR_SMOOTH_MUSCLE_CON	KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION
GO:0060441	epithelial tube branching involved in lung morphogenesis
ENSG00000114812	VIPR1 PPI subnetwork
GO:0016779	nucleotidyltransferase activity
MP:0004814	reduced linear vestibular evoked potential
ENSG00000154096	THY1 PPI subnetwork
GO:0032409	regulation of transporter activity
MP:0000947	convulsive seizures
REACTOME_CENTROSOME_MATURATION	REACTOME_CENTROSOME_MATURATION
REACTOME_RECRUITMENT_OF_MITOTIC_C	REACTOME_RECRUITMENT_OF_MITOTIC_CENTROSOME_PRO
MP:0005075	abnormal melanosome morphology
GO:0071845	cellular component disassembly at cellular level
ENSG00000115808	STRN PPI subnetwork
ENSG00000132155	RAF1 PPI subnetwork
ENSG00000130561	SAG PPI subnetwork
GO:0006901	vesicle coating
ENSG00000065613	SLK PPI subnetwork
ENSG00000135269	TES PPI subnetwork
ENSG00000183765	CHEK2 PPI subnetwork
GO:0043543	protein acylation
ENSG00000163904	SENP2 PPI subnetwork
ENSG00000181789	COPG PPI subnetwork
ENSG00000075624	ACTB PPI subnetwork
GO:0018195	peptidyl-arginine modification
GO:0031424	keratinization
MP:0004101	abnormal brain interneuron morphology
GO:0060065	uterus development
GO:0006399	tRNA metabolic process
ENSG00000130312	MRPL34 PPI subnetwork
KEGG_INOSITOL_PHOSPHATE_METABOLISM	KEGG_INOSITOL_PHOSPHATE_METABOLISM
GO:0050868	negative regulation of T cell activation
REACTOME_DOWNSTREAM_SIGNAL_TRAN	REACTOME_DOWNSTREAM_SIGNAL_TRANSDUCTION
GO:0009615	response to virus
GO:2000826	regulation of heart morphogenesis
GO:0006103	2-oxoglutarate metabolic process

ENSG00000145555	MYO10 PPI subnetwork
GO:0000175	3'-5'-exoribonuclease activity
GO:0022406	membrane docking
MP:0002856	abnormal vestibular ganglion morphology
GO:0046969	NAD-dependent histone deacetylase activity (H3-K9 specific)
GO:0032129	histone deacetylase activity (H3-K9 specific)
REACTOME_LAGGING_STRAND_SYNTHESIS	REACTOME_LAGGING_STRAND_SYNTHESIS
GO:0046467	membrane lipid biosynthetic process
REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA
REACTOME_GAP:FILLING_DNA_REPAIR_SYI	REACTOME_GAP:FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGA
ENSG00000100796	SMEK1 PPI subnetwork
GO:0008045	motor axon guidance
ENSG00000114745	GORASP1 PPI subnetwork
MP:0000531	right pulmonary isomerism
ENSG00000124783	SSR1 PPI subnetwork
MP:0009747	impaired behavioral response to xenobiotic
MP:0002666	increased circulating aldosterone level
ENSG00000094880	CDC23 PPI subnetwork
ENSG00000179036	ENSG00000179036 PPI subnetwork
GO:0045666	positive regulation of neuron differentiation
ENSG00000184983	NDUFA6 PPI subnetwork
GO:0030374	ligand-dependent nuclear receptor transcription coactivator a
GO:0021799	cerebral cortex radially oriented cell migration
MP:0003484	abnormal channel response
GO:0001104	RNA polymerase II transcription cofactor activity
ENSG00000008294	SPAG9 PPI subnetwork
GO:0009593	detection of chemical stimulus
ENSG00000105695	MAG PPI subnetwork
GO:0097094	craniofacial suture morphogenesis
GO:0060363	cranial suture morphogenesis
GO:0019887	protein kinase regulator activity
ENSG00000100129	EIF3L PPI subnetwork
ENSG00000114127	XRN1 PPI subnetwork
KEGG_DNA_REPLICATION	KEGG_DNA_REPLICATION
GO:0007163	establishment or maintenance of cell polarity
GO:0006473	protein acetylation
GO:0032095	regulation of response to food
ENSG00000180628	PCGF5 PPI subnetwork
GO:0008154	actin polymerization or depolymerization
ENSG00000077097	TOP2B PPI subnetwork
ENSG00000136709	WDR33 PPI subnetwork
GO:0045815	positive regulation of gene expression, epigenetic
ENSG00000090372	STRN4 PPI subnetwork
ENSG00000013503	POLR3B PPI subnetwork
GO:0042613	MHC class II protein complex
GO:0009452	RNA capping
GO:0071347	cellular response to interleukin-1
ENSG00000110931	CAMKK2 PPI subnetwork
REACTOME_MITOTIC_G1:G1S_PHASES	REACTOME_MITOTIC_G1:G1S_PHASES
REACTOME_DSCAM_INTERACTIONS	REACTOME_DSCAM_INTERACTIONS

ENSG00000143851	PTPN7 PPI subnetwork
GO:0030133	transport vesicle
ENSG00000151090	THRB PPI subnetwork
GO:0006367	transcription initiation from RNA polymerase II promoter
GO:0005048	signal sequence binding
MP:0006362	abnormal male germ cell morphology
GO:0045103	intermediate filament-based process
ENSG00000172943	PHF8 PPI subnetwork
GO:0070003	threonine-type peptidase activity
GO:0004298	threonine-type endopeptidase activity
ENSG00000144597	EAF1 PPI subnetwork
ENSG00000143799	PARP1 PPI subnetwork
GO:0047485	protein N-terminus binding
GO:0009124	nucleoside monophosphate biosynthetic process
GO:0044130	negative regulation of growth of symbiont in host
GO:0044146	negative regulation of growth of symbiont involved in interact
GO:0044117	growth of symbiont in host
GO:0044116	growth of symbiont involved in interaction with host
GO:0044126	regulation of growth of symbiont in host
GO:0044144	modulation of growth of symbiont involved in interaction with
GO:0044110	growth involved in symbiotic interaction
ENSG00000071655	MBD3 PPI subnetwork
GO:0006352	transcription initiation, DNA-dependent
GO:0034062	RNA polymerase activity
GO:0003899	DNA-directed RNA polymerase activity
ENSG00000118579	MED28 PPI subnetwork
ENSG00000213496	ENSG00000213496 PPI subnetwork
GO:0032673	regulation of interleukin-4 production
ENSG00000164362	TERT PPI subnetwork
MP:0000334	decreased granulocyte number
MP:0002389	abnormal Peyer's patch follicle morphology
ENSG00000126267	COX6B1 PPI subnetwork
GO:0000784	nuclear chromosome, telomeric region
GO:0034976	response to endoplasmic reticulum stress
ENSG00000131652	THOC6 PPI subnetwork
GO:0006457	protein folding
ENSG00000025770	NCAPH2 PPI subnetwork
GO:0046661	male sex differentiation
REACTOME_NRAGE_SIGNALS_DEATH_THRO	REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK
GO:0004536	deoxyribonuclease activity
REACTOME_RNA_POLYMERASE_III_CHAIN_	REACTOME_RNA_POLYMERASE_III_CHAIN_ELONGATION
GO:0015081	sodium ion transmembrane transporter activity
ENSG00000023228	NDUFS1 PPI subnetwork
ENSG00000138069	RAB1A PPI subnetwork
GO:0072529	pyrimidine-containing compound catabolic process
ENSG00000159131	GART PPI subnetwork
MP:0002757	decreased vertical activity
ENSG00000158560	DYNC1I1 PPI subnetwork
GO:0003735	structural constituent of ribosome
MP:0003063	increased coping response

ENSG00000169783	LINGO1 PPI subnetwork
ENSG00000100084	HIRA PPI subnetwork
ENSG00000158290	CUL4B PPI subnetwork
GO:0001710	mesodermal cell fate commitment
REACTOME_S_PHASE	REACTOME_S_PHASE
ENSG00000020922	MRE11A PPI subnetwork
ENSG00000150753	CCT5 PPI subnetwork
GO:0032606	type I interferon production
KEGG_GNRH_SIGNALING_PATHWAY	KEGG_GNRH_SIGNALING_PATHWAY
GO:0044291	cell-cell contact zone
ENSG00000198554	WDHD1 PPI subnetwork
GO:0046933	hydrogen ion transporting ATP synthase activity, rotational me
GO:0009190	cyclic nucleotide biosynthetic process
MP:0008088	abnormal T-helper 1 cell differentiation
MP:0004409	abnormal crista ampullaris neuroepithelium morphology
ENSG00000204120	GIGYF2 PPI subnetwork
ENSG00000161956	SENP3 PPI subnetwork
MP:0005431	decreased oocyte number
ENSG00000171552	BCL2L1 PPI subnetwork
ENSG00000111424	VDR PPI subnetwork
GO:0030673	axolemma
REACTOME_NOREPINEPHRINE_NEUROTRAI	REACTOME_NOREPINEPHRINE_NEUROTRANSMITTER_RELEAS
GO:0035137	hindlimb morphogenesis
ENSG00000171208	NETO2 PPI subnetwork
GO:0042611	MHC protein complex
ENSG00000179632	MAF1 PPI subnetwork
ENSG00000143771	CNIH4 PPI subnetwork
MP:0004046	abnormal mitosis
GO:0031076	embryonic camera-type eye development
GO:0000421	autophagic vacuole membrane
GO:0048199	vesicle targeting, to, from or within Golgi
GO:0051495	positive regulation of cytoskeleton organization
GO:0009314	response to radiation
MP:0003084	abnormal skeletal muscle fiber morphology
ENSG00000067369	TP53BP1 PPI subnetwork
MP:0004173	abnormal intervertebral disk morphology
GO:0030219	megakaryocyte differentiation
ENSG00000153201	RANBP2 PPI subnetwork
ENSG00000120696	KBTBD7 PPI subnetwork
ENSG00000155868	MED7 PPI subnetwork
ENSG00000126522	ASL PPI subnetwork
GO:0016651	oxidoreductase activity, acting on NADH or NADPH
GO:0043583	ear development
ENSG00000133119	RFC3 PPI subnetwork
GO:0007422	peripheral nervous system development
ENSG00000101400	SNTA1 PPI subnetwork
ENSG00000189060	H1F0 PPI subnetwork
ENSG00000183495	EP400 PPI subnetwork
GO:0003697	single-stranded DNA binding
GO:0002042	cell migration involved in sprouting angiogenesis

ENSG00000115289	PCGF1 PPI subnetwork
GO:0051567	histone H3-K9 methylation
GO:0043903	regulation of symbiosis, encompassing mutualism through par
GO:0032012	regulation of ARF protein signal transduction
GO:0015108	chloride transmembrane transporter activity
GO:0006921	cellular component disassembly involved in apoptotic process
GO:0008585	female gonad development
GO:0008278	cohesin complex
GO:0018130	heterocycle biosynthetic process
ENSG00000111640	GAPDH PPI subnetwork
GO:0048741	skeletal muscle fiber development
GO:0018298	protein-chromophore linkage
ENSG00000196285	ENSG00000196285 PPI subnetwork
ENSG00000163041	H3F3A PPI subnetwork
ENSG00000132475	H3F3B PPI subnetwork
GO:0030140	trans-Golgi network transport vesicle
ENSG00000141446	ESCO1 PPI subnetwork
GO:0051058	negative regulation of small GTPase mediated signal transduct
GO:0042755	eating behavior
GO:0016254	preassembly of GPI anchor in ER membrane
GO:0006325	chromatin organization
ENSG00000092098	RNF31 PPI subnetwork
GO:0030808	regulation of nucleotide biosynthetic process
GO:0030802	regulation of cyclic nucleotide biosynthetic process
GO:0006140	regulation of nucleotide metabolic process
GO:0007631	feeding behavior
MP:0001395	bidirectional circling
ENSG00000091106	NLRC4 PPI subnetwork
GO:0035107	appendage morphogenesis
GO:0035108	limb morphogenesis
GO:0048663	neuron fate commitment
GO:0002260	lymphocyte homeostasis
ENSG00000139182	CLSTN3 PPI subnetwork
MP:0004252	abnormal direction of heart looping
GO:0048066	developmental pigmentation
REACTOME_GLOBAL_GENOMIC_NER_GG:N	REACTOME_GLOBAL_GENOMIC_NER_GG:NER
ENSG00000183648	NDUFB1 PPI subnetwork
ENSG00000198932	GPRASP1 PPI subnetwork
MP:0001473	reduced long term potentiation
ENSG00000160801	PTH1R PPI subnetwork
GO:0043161	proteasomal ubiquitin-dependent protein catabolic process
ENSG00000110713	NUP98 PPI subnetwork
ENSG00000147536	GINS4 PPI subnetwork
MP:0000877	abnormal Purkinje cell morphology
GO:0019005	SCF ubiquitin ligase complex
GO:0008656	cysteine-type endopeptidase activator activity involved in apo
ENSG00000198692	EIF1AY PPI subnetwork
GO:0034654	nucleobase-containing compound biosynthetic process
GO:0002764	immune response-regulating signaling pathway
GO:0008633	activation of pro-apoptotic gene products

GO:0006493	protein O-linked glycosylation
GO:0032607	interferon-alpha production
GO:0032647	regulation of interferon-alpha production
ENSG00000154767	XPC PPI subnetwork
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR_OF_R
REACTOME_HOMOLOGOUS_RECOMBINATI	REACTOME_HOMOLOGOUS_RECOMBINATION_REPAIR
GO:0042575	DNA polymerase complex
GO:0030814	regulation of cAMP metabolic process
ENSG00000182901	RGS7 PPI subnetwork
ENSG00000168496	FEN1 PPI subnetwork
ENSG00000149923	PPP4C PPI subnetwork
REACTOME_DNA_STRAND_ELONGATION	REACTOME_DNA_STRAND_ELONGATION
GO:0006839	mitochondrial transport
MP:0002904	increased circulating parathyroid hormone level
ENSG00000138041	SMEK2 PPI subnetwork
GO:0007413	axonal fasciculation
GO:0003016	respiratory system process
GO:0033059	cellular pigmentation
MP:0008531	increased chemical nociceptive threshold
GO:0051149	positive regulation of muscle cell differentiation
ENSG00000167792	NDUFV1 PPI subnetwork
GO:0032956	regulation of actin cytoskeleton organization
ENSG00000196730	DAPK1 PPI subnetwork
MP:0009712	impaired conditioned place preference behavior
MP:0010404	ostium primum atrial septal defect
GO:0001759	organ induction
GO:0032479	regulation of type I interferon production
ENSG00000105376	ICAM5 PPI subnetwork
MP:0005192	increased motor neuron number
GO:0032543	mitochondrial translation
ENSG00000152268	ENSG00000152268 PPI subnetwork
ENSG00000114107	CEP70 PPI subnetwork
MP:0000747	muscle weakness
KEGG_HUNTINGTONS_DISEASE	KEGG_HUNTINGTONS_DISEASE
GO:0030036	actin cytoskeleton organization
GO:0035267	NuA4 histone acetyltransferase complex
ENSG00000136521	NDUFB5 PPI subnetwork
MP:0003233	prolonged QT interval
ENSG00000163960	UBXN7 PPI subnetwork
GO:2001014	regulation of skeletal muscle cell differentiation
MP:0002885	abnormal AMPA-mediated synaptic currents
ENSG00000131508	UBE2D2 PPI subnetwork
GO:0045104	intermediate filament cytoskeleton organization
GO:0009312	oligosaccharide biosynthetic process
ENSG00000128595	CALU PPI subnetwork
GO:0042987	amyloid precursor protein catabolic process
GO:0051258	protein polymerization
ENSG00000153487	ING1 PPI subnetwork
GO:0010498	proteasomal protein catabolic process
ENSG00000119917	IFIT3 PPI subnetwork

GO:0071295	cellular response to vitamin
ENSG00000206450	HLA-B PPI subnetwork
GO:0030695	GTPase regulator activity
GO:0072009	nephron epithelium development
ENSG00000164742	ADCY1 PPI subnetwork
ENSG00000115738	ID2 PPI subnetwork
MP:0003313	abnormal locomotor activation
ENSG00000170860	LSM3 PPI subnetwork
GO:0003073	regulation of systemic arterial blood pressure
ENSG00000101003	GINS1 PPI subnetwork
GO:0060042	retina morphogenesis in camera-type eye
REACTOME_G1S_TRANSITION	REACTOME_G1S_TRANSITION
ENSG00000105669	COPE PPI subnetwork
ENSG00000214122	ENSG00000214122 PPI subnetwork
GO:0005802	trans-Golgi network
MP:0000936	small telencephalic vesicles
MP:0005620	abnormal muscle contractility
MP:0001081	abnormal cranial ganglia morphology
MP:0002675	asthenozoospermia
GO:0030101	natural killer cell activation
ENSG00000080603	SRCAP PPI subnetwork
GO:0001912	positive regulation of leukocyte mediated cytotoxicity
GO:0007189	adenylate cyclase-activating G-protein coupled receptor signal
GO:0010579	positive regulation of adenylate cyclase activity involved in G-p
GO:0010578	regulation of adenylate cyclase activity involved in G-protein c
GO:0043623	cellular protein complex assembly
GO:0034979	NAD-dependent protein deacetylase activity
GO:0017136	NAD-dependent histone deacetylase activity
GO:0006900	membrane budding
ENSG00000151065	DCP1B PPI subnetwork
GO:0042383	sarcolemma
ENSG00000183474	GTF2H2C PPI subnetwork
REACTOME_DNA_REPAIR	REACTOME_DNA_REPAIR
GO:0009156	ribonucleoside monophosphate biosynthetic process
GO:0051318	G1 phase
ENSG00000117906	RCN2 PPI subnetwork
MP:0010392	prolonged QRS complex duration
ENSG00000130787	HIP1R PPI subnetwork
GO:0009165	nucleotide biosynthetic process
ENSG00000161270	NPHS1 PPI subnetwork
GO:0045987	positive regulation of smooth muscle contraction
MP:0002237	abnormal nasal cavity morphology
GO:0009247	glycolipid biosynthetic process
ENSG00000104879	CKM PPI subnetwork
GO:0043584	nose development
ENSG00000196374	HIST1H2BM PPI subnetwork
ENSG00000136824	SMC2 PPI subnetwork
GO:0045580	regulation of T cell differentiation
KEGG_ANTIGEN_PROCESSING_AND_PRESEI	KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION
ENSG00000130176	CNN1 PPI subnetwork

ENSG00000132109	TRIM21 PPI subnetwork
GO:0006836	neurotransmitter transport
MP:0001504	abnormal posture
GO:0071897	DNA biosynthetic process
ENSG00000086827	ZW10 PPI subnetwork
ENSG00000143437	ARNT PPI subnetwork
ENSG00000109062	SLC9A3R1 PPI subnetwork
GO:0034405	response to fluid shear stress
ENSG00000110717	NDUFS8 PPI subnetwork
MP:0000781	decreased corpus callosum size
ENSG00000164258	NDUFS4 PPI subnetwork
ENSG00000165264	NDUFB6 PPI subnetwork
REACTOME_PHOSPHORYLATION_OF_CD3_/	REACTOME_PHOSPHORYLATION_OF_CD3_AND_TCR_ZETA_CI
ENSG00000006634	DBF4 PPI subnetwork
ENSG00000185345	PARK2 PPI subnetwork
GO:0002819	regulation of adaptive immune response
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	KEGG_AMINOACYL_TRNA_BIOSYNTHESIS
MP:0008098	decreased plasma cell number
GO:0001774	microglial cell activation
ENSG00000148606	POLR3A PPI subnetwork
GO:0030888	regulation of B cell proliferation
GO:0030833	regulation of actin filament polymerization
GO:0035587	purinergic receptor signaling pathway
ENSG00000089053	ANAPC5 PPI subnetwork
GO:0001504	neurotransmitter uptake
ENSG00000162736	NCSTN PPI subnetwork
MP:0005656	decreased aggression
GO:0071564	npBAF complex
MP:0008519	thin retinal outer plexiform layer
GO:0045259	proton-transporting ATP synthase complex
ENSG00000140416	TPM1 PPI subnetwork
GO:0051650	establishment of vesicle localization
GO:0055001	muscle cell development
GO:0010464	regulation of mesenchymal cell proliferation
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_	KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS
ENSG00000135945	REV1 PPI subnetwork
MP:0001299	abnormal eye distance/ position
MP:0000243	myoclonus
REACTOME_REPAIR_SYNTHESIS_OF_PATCH	REACTOME_REPAIR_SYNTHESIS_OF_PATCH_27:30_BASES_LO
REACTOME_REPAIR_SYNTHESIS_FOR_GAP:I	REACTOME_REPAIR_SYNTHESIS_FOR_GAP:FILLING_BY_DNA_I
GO:0072170	metanephric tubule development
GO:0000245	spliceosomal complex assembly
GO:0048488	synaptic vesicle endocytosis
ENSG00000135390	ATP5G2 PPI subnetwork
ENSG00000109472	CPE PPI subnetwork
MP:0009230	abnormal sperm head morphology
ENSG00000133030	MPRIP PPI subnetwork
MP:0004174	abnormal spine curvature
ENSG00000099624	ATP5D PPI subnetwork
ENSG00000186184	POLR1D PPI subnetwork

ENSG00000198886	MT-ND4 PPI subnetwork
MP:0003140	dilated heart atrium
ENSG00000215719	ENSG00000215719 PPI subnetwork
ENSG00000127955	GNAI1 PPI subnetwork
GO:0035329	hippo signaling cascade
GO:0051875	pigment granule localization
ENSG00000166147	FBN1 PPI subnetwork
MP:0002878	abnormal corticospinal tract morphology
GO:0006085	acetyl-CoA biosynthetic process
REACTOME_E2F_MEDIATED_REGULATION_	REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICA
GO:0040018	positive regulation of multicellular organism growth
GO:0005814	centriole
ENSG00000169925	BRD3 PPI subnetwork
GO:0007187	G-protein coupled receptor signaling pathway, coupled to cycl
GO:0060324	face development
GO:0004527	exonuclease activity
ENSG00000056678	ENSG00000056678 PPI subnetwork
ENSG00000204197	KIFC1 PPI subnetwork
ENSG00000168653	NDUFS5 PPI subnetwork
GO:0030148	sphingolipid biosynthetic process
REACTOME_REGULATION_OF_AMPK_ACTI\	REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_LKB1
ENSG00000165806	CASP7 PPI subnetwork
REACTOME_G:PROTEIN_BETAGAMMA_SIG	REACTOME_G:PROTEIN_BETAGAMMA_SIGNALLING
MP:0004025	polyploidy
ENSG00000113522	RAD50 PPI subnetwork
ENSG00000067829	IDH3G PPI subnetwork
GO:0021953	central nervous system neuron differentiation
GO:0009083	branched chain family amino acid catabolic process
MP:0005079	defective cytotoxic T cell cytolysis
GO:0000794	condensed nuclear chromosome
GO:0031334	positive regulation of protein complex assembly
GO:0048641	regulation of skeletal muscle tissue development
ENSG00000136531	SCN2A PPI subnetwork
GO:0010463	mesenchymal cell proliferation
GO:0015985	energy coupled proton transport, down electrochemical gradi
GO:0015986	ATP synthesis coupled proton transport
GO:0000781	chromosome, telomeric region
GO:0030817	regulation of cAMP biosynthetic process
ENSG00000197903	HIST1H2BK PPI subnetwork
ENSG00000157020	SEC13 PPI subnetwork
REACTOME_G_BETAGAMMA_SIGNALLING_	REACTOME_G_BETAGAMMA_SIGNALLING_THROUGH_PLC_BI
GO:0030031	cell projection assembly
MP:0002572	abnormal emotion/affect behavior
GO:0030041	actin filament polymerization
GO:0010171	body morphogenesis
ENSG00000196284	SUPT3H PPI subnetwork
GO:0035094	response to nicotine
ENSG00000127184	COX7C PPI subnetwork
ENSG00000141026	MED9 PPI subnetwork
REACTOME_REGULATION_OF_MITOTIC_CE	REACTOME_REGULATION_OF_MITOTIC_CELL_CYCLE

REACTOME_APCC:MEDIATED_DEGRADATIC	REACTOME_APCC:MEDIATED_DEGRADATION_OF_CELL_CYCLI
GO:0021766	hippocampus development
GO:0032633	interleukin-4 production
GO:0072012	glomerulus vasculature development
GO:0045577	regulation of B cell differentiation
ENSG00000166592	RRAD PPI subnetwork
ENSG00000185811	IKZF1 PPI subnetwork
MP:0008284	abnormal hippocampus pyramidal cell layer
ENSG00000065328	MCM10 PPI subnetwork
MP:0002007	increased cellular sensitivity to gamma-irradiation
ENSG00000058335	RASGRF1 PPI subnetwork
GO:0007276	gamete generation
REACTOME_G2M_CHECKPOINTS	REACTOME_G2M_CHECKPOINTS
ENSG00000090989	EXOC1 PPI subnetwork
MP:0008572	abnormal Purkinje cell dendrite morphology
GO:0015172	acidic amino acid transmembrane transporter activity
GO:0007141	male meiosis I
GO:0004691	cAMP-dependent protein kinase activity
GO:0051349	positive regulation of lyase activity
GO:0015036	disulfide oxidoreductase activity
ENSG00000131495	NDUFA2 PPI subnetwork
ENSG00000100568	VTI1B PPI subnetwork
ENSG00000171634	BPTF PPI subnetwork
GO:0048011	nerve growth factor receptor signaling pathway
ENSG00000123374	CDK2 PPI subnetwork
GO:0007183	SMAD protein complex assembly
GO:0030199	collagen fibril organization
GO:0048593	camera-type eye morphogenesis
ENSG00000196226	HIST1H2BB PPI subnetwork
ENSG00000175305	CCNE2 PPI subnetwork
ENSG00000147123	NDUFB11 PPI subnetwork
ENSG00000159720	ATP6V0D1 PPI subnetwork
GO:0045005	maintenance of fidelity involved in DNA-dependent DNA replic
ENSG00000105968	H2AFV PPI subnetwork
GO:0048002	antigen processing and presentation of peptide antigen
REACTOME_MITOTIC_G2:G2M_PHASES	REACTOME_MITOTIC_G2:G2M_PHASES
ENSG00000095002	MSH2 PPI subnetwork
ENSG00000026103	FAS PPI subnetwork
ENSG00000006468	ETV1 PPI subnetwork
ENSG00000184985	SORCS2 PPI subnetwork
GO:0001829	trophectodermal cell differentiation
GO:0005747	mitochondrial respiratory chain complex I
GO:0045271	respiratory chain complex I
GO:0030964	NADH dehydrogenase complex
MP:0000194	hypercalcemia
REACTOME_INWARDLY_RECTIFYING_K_CH/	REACTOME_INWARDLY_RECTIFYING_K_CHANNELS
GO:0006607	NLS-bearing substrate import into nucleus
ENSG00000134769	DTNA PPI subnetwork
ENSG00000164032	H2AFZ PPI subnetwork
GO:0021772	olfactory bulb development

GO:0021988	olfactory lobe development
GO:0048713	regulation of oligodendrocyte differentiation
GO:0007190	activation of adenylate cyclase activity
ENSG00000212869	ENSG00000212869 PPI subnetwork
ENSG00000198695	MT-ND6 PPI subnetwork
ENSG00000132639	SNAP25 PPI subnetwork
GO:0051196	regulation of coenzyme metabolic process
GO:0051193	regulation of cofactor metabolic process
GO:0046513	ceramide biosynthetic process
GO:0021872	forebrain generation of neurons
ENSG00000157388	CACNA1D PPI subnetwork
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_TRISTETRAPRO
ENSG00000111276	CDKN1B PPI subnetwork
ENSG00000012061	ERCC1 PPI subnetwork
REACTOME_DOWNSTREAM_TCR_SIGNALIN	REACTOME_DOWNSTREAM_TCR_SIGNALING
GO:0045665	negative regulation of neuron differentiation
ENSG00000116459	ATP5F1 PPI subnetwork
ENSG00000140400	MAN2C1 PPI subnetwork
GO:0051905	establishment of pigment granule localization
ENSG00000175115	PACS1 PPI subnetwork
ENSG00000142875	PRKACB PPI subnetwork
GO:0019888	protein phosphatase regulator activity
ENSG00000128266	GNAZ PPI subnetwork
GO:0031577	spindle checkpoint
ENSG00000152583	SPARCL1 PPI subnetwork
MP:0004132	absent embryonic cilia
ENSG00000166501	PRKCB PPI subnetwork
GO:0048644	muscle organ morphogenesis
ENSG00000160194	NDUFV3 PPI subnetwork
GO:0005858	axonemal dynein complex
ENSG00000062822	POLD1 PPI subnetwork
ENSG00000198918	RPL39 PPI subnetwork
GO:0000407	pre-autophagosomal structure
ENSG00000179841	AKAP5 PPI subnetwork
ENSG00000212871	ENSG00000212871 PPI subnetwork
ENSG00000212872	ENSG00000212872 PPI subnetwork
ENSG00000198868	ENSG00000198868 PPI subnetwork
ENSG00000198840	MT-ND3 PPI subnetwork
GO:0019080	viral genome expression
GO:0019083	viral transcription
MP:0001898	abnormal long term depression
GO:0000151	ubiquitin ligase complex
ENSG00000197299	BLM PPI subnetwork
MP:0008347	decreased gamma-delta T cell number
ENSG00000131143	COX4I1 PPI subnetwork
GO:0032970	regulation of actin filament-based process
ENSG00000140350	ANP32A PPI subnetwork
ENSG00000212870	ENSG00000212870 PPI subnetwork
ENSG00000198786	MT-ND5 PPI subnetwork
GO:0044319	wound healing, spreading of cells

ENSG00000127481	UBR4 PPI subnetwork
GO:0006370	mRNA capping
GO:0048205	COPI coating of Golgi vesicle
GO:0035964	COPI-coated vesicle budding
GO:0048200	Golgi transport vesicle coating
GO:0045762	positive regulation of adenylate cyclase activity
GO:0031281	positive regulation of cyclase activity
GO:0050864	regulation of B cell activation
GO:0030137	COPI-coated vesicle
ENSG00000178028	DMAP1 PPI subnetwork
ENSG00000130288	ENSG00000130288 PPI subnetwork
GO:0045933	positive regulation of muscle contraction
ENSG00000094804	CDC6 PPI subnetwork
GO:0060026	convergent extension
GO:2000242	negative regulation of reproductive process
ENSG00000030304	MUSK PPI subnetwork
GO:0007269	neurotransmitter secretion
MP:0003014	abnormal kidney medulla morphology
ENSG00000172116	CD8B PPI subnetwork
REACTOME_PKA:MEDIATED_PHOSPHORYL/	REACTOME_PKA:MEDIATED_PHOSPHORYLATION_OF_CREB
ENSG00000104973	MED25 PPI subnetwork
GO:0002285	lymphocyte activation involved in immune response
ENSG00000143549	TPM3 PPI subnetwork
MP:0009838	abnormal sperm axoneme morphology
GO:0000123	histone acetyltransferase complex
ENSG00000137947	GTF2B PPI subnetwork
ENSG00000070831	CDC42 PPI subnetwork
ENSG00000113812	ACTR8 PPI subnetwork
ENSG00000091129	NRCAM PPI subnetwork
GO:0030315	T-tubule
GO:0004003	ATP-dependent DNA helicase activity
ENSG00000197879	MYO1C PPI subnetwork
ENSG00000170906	NDUFA3 PPI subnetwork
KEGG_TASTE_TRANSDUCTION	KEGG_TASTE_TRANSDUCTION
ENSG00000135336	ORC3 PPI subnetwork
GO:0009264	deoxyribonucleotide catabolic process
ENSG00000113555	PCDH12 PPI subnetwork
ENSG00000186298	PPP1CC PPI subnetwork
GO:0033121	regulation of purine nucleotide catabolic process
GO:0030811	regulation of nucleotide catabolic process
ENSG00000116824	CD2 PPI subnetwork
MP:0010067	increased red blood cell distribution width
ENSG00000090266	NDUFB2 PPI subnetwork
ENSG00000151532	VTI1A PPI subnetwork
ENSG00000166848	TERF2IP PPI subnetwork
GO:0044304	main axon
GO:0015035	protein disulfide oxidoreductase activity
ENSG00000149182	ARFGAP2 PPI subnetwork
ENSG00000164776	PHKG1 PPI subnetwork
GO:0021756	striatum development

GO:0048538	thymus development
GO:0048048	embryonic eye morphogenesis
ENSG00000111266	DUSP16 PPI subnetwork
GO:0015662	ATPase activity, coupled to transmembrane movement of ions
ENSG00000176248	ANAPC2 PPI subnetwork
ENSG00000007047	MARK4 PPI subnetwork
REACTOME_ACETYLCHOLINE_BINDING_ANI	REACTOME_ACETYLCHOLINE_BINDING_AND_DOWNSTREAM_
REACTOME_ACTIVATION_OF_NICOTINIC_A	REACTOME_ACTIVATION_OF_NICOTINIC_ACETYLCHOLINE_RE
REACTOME_POSTSYNAPTIC_NICOTINIC_AC	REACTOME_POSTSYNAPTIC_NICOTINIC_ACETYLCHOLINE_REC
ENSG00000106100	NOD1 PPI subnetwork
GO:0048193	Golgi vesicle transport
GO:0048747	muscle fiber development
GO:0032400	melanosome localization
GO:0019787	small conjugating protein ligase activity
ENSG00000033011	ALG1 PPI subnetwork
MP:0009888	palatal shelves fail to meet at midline
GO:0008543	fibroblast growth factor receptor signaling pathway
GO:0002821	positive regulation of adaptive immune response
ENSG00000117533	VAMP4 PPI subnetwork
GO:0055006	cardiac cell development
GO:0055013	cardiac muscle cell development
REACTOME_PRESYNAPTIC_FUNCTION_OF_	REACTOME_PRESYNAPTIC_FUNCTION_OF_KAINATE_RECEPTO
GO:0060603	mammary gland duct morphogenesis
KEGG_VIBRIO_CHOLERAE_INFECTION	KEGG_VIBRIO_CHOLERAE_INFECTION
ENSG00000099389	ENSG00000099389 PPI subnetwork
GO:0034399	nuclear periphery
GO:0030426	growth cone
REACTOME_G1S:SPECIFIC_TRANSCRIPTION	REACTOME_G1S:SPECIFIC_TRANSCRIPTION
GO:0048701	embryonic cranial skeleton morphogenesis
ENSG00000198763	MT-ND2 PPI subnetwork
ENSG00000212876	ENSG00000212876 PPI subnetwork
ENSG00000114854	TNNC1 PPI subnetwork
KEGG_PROGESTERONE_MEDIATED_OOCYT	KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
GO:0032648	regulation of interferon-beta production
GO:0061039	ovum-producing ovary development
GO:0009566	fertilization
GO:0006903	vesicle targeting
GO:0071565	nBAF complex
ENSG00000070501	POLB PPI subnetwork
GO:0035162	embryonic hemopoiesis
MP:0008410	increased cellular sensitivity to ultraviolet irradiation
ENSG00000080839	RBL1 PPI subnetwork
GO:0005790	smooth endoplasmic reticulum
REACTOME_PLATELET_CALCIUM_HOMEOS	REACTOME_PLATELET_CALCIUM_HOMEOSTASIS
GO:0019953	sexual reproduction
ENSG00000109390	NDUFC1 PPI subnetwork
GO:0048742	regulation of skeletal muscle fiber development
REACTOME_G2M_TRANSITION	REACTOME_G2M_TRANSITION
GO:0002824	positive regulation of adaptive immune response based on so
ENSG00000205155	PSENEN PPI subnetwork

ENSG00000182899	RPL35A PPI subnetwork
MP:0004876	decreased mean systemic arterial blood pressure
GO:0044087	regulation of cellular component biogenesis
GO:0015298	solute:cation antiporter activity
MP:0002576	abnormal enamel morphology
ENSG00000100994	PYGB PPI subnetwork
GO:0007281	germ cell development
REACTOME_AMINE_LIGAND:BINDING_RECI	REACTOME_AMINE_LIGAND:BINDING_RECEPTORS
GO:0005763	mitochondrial small ribosomal subunit
GO:0000314	organellar small ribosomal subunit
GO:0032312	regulation of ARF GTPase activity
GO:0045022	early endosome to late endosome transport
GO:0060589	nucleoside-triphosphatase regulator activity
ENSG00000153767	GTF2E1 PPI subnetwork
GO:0021761	limbic system development
GO:0019321	pentose metabolic process
GO:0030934	anchoring collagen
REACTOME_AQUAPORIN:MEDIATED_TRAN	REACTOME_AQUAPORIN:MEDIATED_TRANSPORT
ENSG00000129993	CBFA2T3 PPI subnetwork
ENSG00000165632	TAF3 PPI subnetwork
GO:0046034	ATP metabolic process
ENSG00000145386	CCNA2 PPI subnetwork
ENSG00000132664	POLR3F PPI subnetwork
MP:0000808	abnormal hippocampus development
GO:0003015	heart process
ENSG00000136238	RAC1 PPI subnetwork
MP:0001327	decreased retinal photoreceptor cell number
ENSG00000167774	NDUFA7 PPI subnetwork
GO:0016493	C-C chemokine receptor activity
GO:0048015	phosphatidylinositol-mediated signaling
GO:0048017	inositol lipid-mediated signaling
GO:0051904	pigment granule transport
GO:0030837	negative regulation of actin filament polymerization
GO:0031397	negative regulation of protein ubiquitination
ENSG00000139190	VAMP1 PPI subnetwork
MP:0008866	chromosomal instability
MP:0006069	abnormal retinal neuronal layer morphology
ENSG00000182492	BGN PPI subnetwork
REACTOME_DESTABILIZATION_OF_MRNA_I	REACTOME_DESTABILIZATION_OF_MRNA_BY_KSRP
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_ACET
ENSG00000089094	KDM2B PPI subnetwork
MP:0002546	mydriasis
ENSG00000140990	NDUFB10 PPI subnetwork
GO:0043588	skin development
GO:0031163	metallo-sulfur cluster assembly
GO:0016226	iron-sulfur cluster assembly
ENSG00000204218	ENSG00000204218 PPI subnetwork
REACTOME_E2F:ENABLED_INHIBITION_OF_	REACTOME_E2F:ENABLED_INHIBITION_OF_PRE:REPLICATION_
KEGG_MISMATCH_REPAIR	KEGG_MISMATCH_REPAIR
ENSG00000115947	ORC4 PPI subnetwork

ENSG00000075785	RAB7A PPI subnetwork
ENSG00000168556	ING2 PPI subnetwork
ENSG00000169727	GPS1 PPI subnetwork
MP:0002578	impaired ability to fire action potentials
GO:0016567	protein ubiquitination
GO:0009855	determination of bilateral symmetry
MP:0004485	increased response of heart to induced stress
ENSG00000139144	PIK3C2G PPI subnetwork
MP:0001951	abnormal breathing pattern
ENSG00000119013	NDUFB3 PPI subnetwork
ENSG00000132604	TERF2 PPI subnetwork
GO:0030427	site of polarized growth
ENSG00000204301	NOTCH4 PPI subnetwork
GO:0046356	acetyl-CoA catabolic process
GO:0006386	termination of RNA polymerase III transcription
GO:0006385	transcription elongation from RNA polymerase III promoter
GO:0031056	regulation of histone modification
ENSG00000011485	PPP5C PPI subnetwork
ENSG00000128534	NAA38 PPI subnetwork
MP:0005307	head tossing
MP:0000846	abnormal medulla oblongata morphology
ENSG00000211790	ENSG00000211790 PPI subnetwork
GO:0006688	glycosphingolipid biosynthetic process
MP:0005587	abnormal Meckel's cartilage morphology
GO:0045954	positive regulation of natural killer cell mediated cytotoxicity
GO:0002717	positive regulation of natural killer cell mediated immunity
ENSG00000115286	NDUFS7 PPI subnetwork
ENSG00000104325	DECR1 PPI subnetwork
REACTOME_EXTENSION_OF_TELOMERES	REACTOME_EXTENSION_OF_TELOMERES
GO:0030500	regulation of bone mineralization
REACTOME_FORMATION_OF_INCISION_CO	REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG:NE
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_GG:NER
GO:0007368	determination of left/right symmetry
MP:0003728	abnormal retinal photoreceptor layer morphology
ENSG00000108294	PSMB3 PPI subnetwork
GO:0014911	positive regulation of smooth muscle cell migration
GO:0002711	positive regulation of T cell mediated immunity
GO:0044427	chromosomal part
GO:0060198	clathrin sculpted vesicle
GO:0003725	double-stranded RNA binding
ENSG00000145414	NAF1 PPI subnetwork
ENSG00000008735	MAPK8IP2 PPI subnetwork
GO:0001764	neuron migration
ENSG00000169992	NLGN2 PPI subnetwork
GO:0050136	NADH dehydrogenase (quinone) activity
GO:0008137	NADH dehydrogenase (ubiquinone) activity
GO:0003954	NADH dehydrogenase activity
ENSG00000092330	TINF2 PPI subnetwork
ENSG00000160695	ENSG00000160695 PPI subnetwork
REACTOME_TRANSCRIPTION:COUPLED_NEI	REACTOME_TRANSCRIPTION:COUPLED_NER_TC:NER

GO:0051403	stress-activated MAPK cascade
ENSG00000117222	RBBP5 PPI subnetwork
ENSG00000197846	HIST1H2BF PPI subnetwork
ENSG00000180596	HIST1H2BC PPI subnetwork
ENSG00000168242	HIST1H2BI PPI subnetwork
ENSG00000187990	HIST1H2BG PPI subnetwork
ENSG00000196305	IARS PPI subnetwork
GO:0044257	cellular protein catabolic process
ENSG00000057663	ATG5 PPI subnetwork
MP:0004725	decreased platelet serotonin level
GO:0072332	signal transduction by p53 class mediator resulting in inductio
REACTOME_DOUBLE:STRAND_BREAK_REPA	REACTOME_DOUBLE:STRAND_BREAK_REPAIR
ENSG00000171530	TBCA PPI subnetwork
ENSG00000185008	ROBO2 PPI subnetwork
REACTOME_TRANSLOCATION_OF_ZAP:70_T	REACTOME_TRANSLOCATION_OF_ZAP:70_TO_IMMUNOLOGI
GO:0021795	cerebral cortex cell migration
MP:0001008	abnormal sympathetic ganglion morphology
ENSG00000135775	COG2 PPI subnetwork
GO:0001660	fever generation
ENSG00000051180	RAD51 PPI subnetwork
GO:0009060	aerobic respiration
ENSG00000078142	PIK3C3 PPI subnetwork
MP:0000430	absent maxillary shelf
GO:0006829	zinc ion transport
GO:0002822	regulation of adaptive immune response based on somatic rec
GO:0009161	ribonucleoside monophosphate metabolic process
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_C:STRAND_OF_
ENSG00000078699	CBFA2T2 PPI subnetwork
ENSG00000189043	NDUFA4 PPI subnetwork
GO:0051020	GTPase binding
GO:0048484	enteric nervous system development
REACTOME_POST:CHAPERONIN_TUBULIN_	REACTOME_POST:CHAPERONIN_TUBULIN_FOLDING_PATHWA
GO:0060021	palate development
ENSG00000161920	MED11 PPI subnetwork
GO:0003779	actin binding
MP:0002916	increased synaptic depression
GO:0033559	unsaturated fatty acid metabolic process
ENSG00000159186	ENSG00000159186 PPI subnetwork
ENSG00000125356	NDUFA1 PPI subnetwork
ENSG00000170142	UBE2E1 PPI subnetwork
GO:0021543	pallium development
GO:0007405	neuroblast proliferation
GO:0030135	coated vesicle
ENSG00000085733	CTTN PPI subnetwork
ENSG00000070367	EXOC5 PPI subnetwork
GO:0002703	regulation of leukocyte mediated immunity
REACTOME_ACTIVATION_OF_GABAB_RECE	REACTOME_ACTIVATION_OF_GABAB_RECEPTORS
REACTOME_GABA_B_RECEPTOR_ACTIVATI	REACTOME_GABA_B_RECEPTOR_ACTIVATION
GO:0042133	neurotransmitter metabolic process
ENSG00000039123	SKIV2L2 PPI subnetwork

ENSG00000181817	LSM10 PPI subnetwork
GO:0009113	purine base biosynthetic process
GO:0021904	dorsal/ventral neural tube patterning
GO:0005657	replication fork
ENSG00000131100	ATP6V1E1 PPI subnetwork
REACTOME_ACTIVATION_OF_G_PROTEIN_(	REACTOME_ACTIVATION_OF_G_PROTEIN_GATED_POTASSIUM
REACTOME_G_PROTEIN_GATED_POTASSIU	REACTOME_G_PROTEIN_GATED_POTASSIUM_CHANNELS
REACTOME_INHIBITION__OF_VOLTAGE_GA	REACTOME_INHIBITION__OF_VOLTAGE_GATED_CA2_CHANN
ENSG00000165059	PRKACG PPI subnetwork
GO:0001573	ganglioside metabolic process
MP:0009435	abnormal miniature inhibitory postsynaptic currents
ENSG00000065534	MYLK PPI subnetwork
REACTOME_SEROTONIN_RECEPTORS	REACTOME_SEROTONIN_RECEPTORS
GO:0032041	NAD-dependent histone deacetylase activity (H3-K14 specific)
GO:0034739	histone deacetylase activity (H4-K16 specific)
GO:0046970	NAD-dependent histone deacetylase activity (H4-K16 specific)
GO:0031078	histone deacetylase activity (H3-K14 specific)
GO:0070167	regulation of biomineral tissue development
GO:0016655	oxidoreductase activity, acting on NADH or NADPH, quinone o
GO:0032273	positive regulation of protein polymerization
GO:0004722	protein serine/threonine phosphatase activity
GO:0006220	pyrimidine nucleotide metabolic process
ENSG00000112118	MCM3 PPI subnetwork
GO:0031396	regulation of protein ubiquitination
ENSG00000151366	NDUFC2 PPI subnetwork
GO:0032655	regulation of interleukin-12 production
ENSG00000146143	ENSG00000146143 PPI subnetwork
ENSG00000137713	PPP2R1B PPI subnetwork
ENSG00000117560	FASLG PPI subnetwork
MP:0000955	abnormal spinal cord morphology
ENSG00000213588	ZBTB9 PPI subnetwork
ENSG00000211735	ENSG00000211735 PPI subnetwork
ENSG00000211810	ENSG00000211810 PPI subnetwork
ENSG00000211739	ENSG00000211739 PPI subnetwork
ENSG00000211799	ENSG00000211799 PPI subnetwork
GO:0032481	positive regulation of type I interferon production
ENSG00000069974	RAB27A PPI subnetwork
ENSG00000133997	MED6 PPI subnetwork
ENSG00000028137	TNFRSF1B PPI subnetwork
ENSG00000091428	RAPGEF4 PPI subnetwork
GO:0005254	chloride channel activity
ENSG00000143870	PDIA6 PPI subnetwork
GO:0048610	cellular process involved in reproduction
GO:0050860	negative regulation of T cell receptor signaling pathway
GO:0050858	negative regulation of antigen receptor-mediated signaling pa
GO:0021517	ventral spinal cord development
ENSG00000115935	WIPF1 PPI subnetwork
GO:0004364	glutathione transferase activity
GO:0060415	muscle tissue morphogenesis
ENSG00000033627	ATP6V0A1 PPI subnetwork

GO:0032401	establishment of melanosome localization
ENSG00000156603	MED19 PPI subnetwork
ENSG00000170734	POLH PPI subnetwork
GO:0043368	positive T cell selection
ENSG00000197697	HIST1H2BE PPI subnetwork
ENSG00000167286	CD3D PPI subnetwork
ENSG00000206211	ENSG00000206211 PPI subnetwork
ENSG00000206283	PFDN6 PPI subnetwork
ENSG00000204220	PFDN6 PPI subnetwork
GO:0005852	eukaryotic translation initiation factor 3 complex
GO:0018205	peptidyl-lysine modification
GO:0007188	adenylate cyclase-modulating G-protein coupled receptor sign
ENSG00000099725	ENSG00000099725 PPI subnetwork
GO:0045746	negative regulation of Notch signaling pathway
GO:0030968	endoplasmic reticulum unfolded protein response
GO:0034620	cellular response to unfolded protein
MP:0002689	abnormal molar morphology
GO:0009635	response to herbicide
GO:0005251	delayed rectifier potassium channel activity
GO:0071173	spindle assembly checkpoint
GO:0019001	guanyl nucleotide binding
GO:0032561	guanyl ribonucleotide binding
GO:0022625	cytosolic large ribosomal subunit
GO:0020027	hemoglobin metabolic process
GO:0004889	acetylcholine-activated cation-selective channel activity
ENSG00000185658	BRWD1 PPI subnetwork
GO:0006518	peptide metabolic process
ENSG00000145817	YIPF5 PPI subnetwork
ENSG00000198961	PJA2 PPI subnetwork
ENSG00000148672	GLUD1 PPI subnetwork
ENSG00000166136	NDUFB8 PPI subnetwork
MP:0002211	abnormal primary sex determination
ENSG00000160563	MED27 PPI subnetwork
ENSG00000164053	ATRIP PPI subnetwork
GO:0051640	organelle localization
ENSG00000132383	RPA1 PPI subnetwork
ENSG00000116903	EXOC8 PPI subnetwork
GO:0006206	pyrimidine base metabolic process
MP:0002919	enhanced paired-pulse facilitation
KEGG_ALDOSTERONE_REGULATED_SODIUM	KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION
ENSG00000128524	ATP6V1F PPI subnetwork
MP:0006072	abnormal retinal apoptosis
GO:0060047	heart contraction
GO:0006475	internal protein amino acid acetylation
REACTOME_ACTIVATION_OF_ATR_IN_RESP	REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICA
GO:0002230	positive regulation of defense response to virus by host
ENSG00000173402	DAG1 PPI subnetwork
ENSG00000164815	ORC5 PPI subnetwork
GO:0009799	specification of symmetry
GO:0031293	membrane protein intracellular domain proteolysis

GO:0008022	protein C-terminus binding
MP:0003998	decreased thermal nociceptive threshold
GO:0001190	RNA polymerase II transcription factor binding transcription fa
GO:0001105	RNA polymerase II transcription coactivator activity
ENSG00000187672	ERC2 PPI subnetwork
KEGG_DILATED_CARDIOMYOPATHY	KEGG_DILATED_CARDIOMYOPATHY
ENSG00000134717	BTF3L4 PPI subnetwork
GO:0010638	positive regulation of organelle organization
REACTOME_DUAL_INCISION_REACTION_IN	REACTOME_DUAL_INCISION_REACTION_IN_TC:NER
REACTOME_FORMATION_OF_TRANSCRIPTI	REACTOME_FORMATION_OF_TRANSCRIPTION:COUPLED_NER
ENSG00000141503	MINK1 PPI subnetwork
GO:0008624	induction of apoptosis by extracellular signals
GO:0001840	neural plate development
GO:0045333	cellular respiration
GO:0030032	lamellipodium assembly
ENSG00000184634	MED12 PPI subnetwork
MP:0000248	macrocytosis
GO:0006303	double-strand break repair via nonhomologous end joining
GO:0033238	regulation of cellular amine metabolic process
GO:0030136	clathrin-coated vesicle
GO:0000460	maturation of 5.8S rRNA
ENSG00000187790	FANCM PPI subnetwork
GO:0006099	tricarboxylic acid cycle
REACTOME_G0_AND_EARLY_G1	REACTOME_G0_AND_EARLY_G1
GO:0017156	calcium ion-dependent exocytosis
KEGG_PYRIMIDINE_METABOLISM	KEGG_PYRIMIDINE_METABOLISM
GO:0060323	head morphogenesis
ENSG00000088356	PDRG1 PPI subnetwork
GO:0042771	DNA damage response, signal transduction by p53 class media
ENSG00000106399	RPA3 PPI subnetwork
ENSG00000120889	TNFRSF10B PPI subnetwork
MP:0000519	hydronephrosis
KEGG_RNA_DEGRADATION	KEGG_RNA_DEGRADATION
ENSG00000071243	ING3 PPI subnetwork
GO:0046134	pyrimidine nucleoside biosynthetic process
GO:0021879	forebrain neuron differentiation
ENSG00000184752	NDUFA12 PPI subnetwork
ENSG00000165417	GTF2A1 PPI subnetwork
ENSG00000167513	CDT1 PPI subnetwork
MP:0004452	abnormal pterygoid process morphology
ENSG00000138346	DNA2 PPI subnetwork
GO:0006904	vesicle docking involved in exocytosis
ENSG00000100412	ACO2 PPI subnetwork
REACTOME_TRNA_AMINOACYLATION	REACTOME_TRNA_AMINOACYLATION
GO:0048839	inner ear development
GO:0007618	mating
ENSG00000123349	PFDN5 PPI subnetwork
GO:0042417	dopamine metabolic process
GO:0042625	ATPase activity, coupled to transmembrane movement of ions
GO:0005942	phosphatidylinositol 3-kinase complex

ENSG00000050405	LIMA1 PPI subnetwork
GO:0051569	regulation of histone H3-K4 methylation
GO:0090130	tissue migration
ENSG00000154710	RABGEF1 PPI subnetwork
GO:0007094	mitotic cell cycle spindle assembly checkpoint
GO:0045841	negative regulation of mitotic metaphase/anaphase transition
MP:0001940	testis hypoplasia
REACTOME_ACTIVATION_OF_BH3:ONLY_PI	REACTOME_ACTIVATION_OF_BH3:ONLY_PROTEINS
ENSG00000175203	DCTN2 PPI subnetwork
ENSG00000058272	PPP1R12A PPI subnetwork
MP:0002804	abnormal motor learning
GO:0070585	protein localization in mitochondrion
ENSG00000137413	TAF8 PPI subnetwork
ENSG00000158195	WASF2 PPI subnetwork
ENSG00000072401	UBE2D1 PPI subnetwork
GO:0032615	interleukin-12 production
GO:0000930	gamma-tubulin complex
GO:0030286	dynein complex
GO:0005516	calmodulin binding
REACTOME_G_ALPHA_Z_SIGNALLING_EVEI	REACTOME_G_ALPHA_Z_SIGNALLING_EVENTS
MP:0000746	weakness
ENSG00000165527	ARF6 PPI subnetwork
GO:0001963	synaptic transmission, dopaminergic
GO:0005253	anion channel activity
ENSG00000114698	PLSCR4 PPI subnetwork
GO:0051656	establishment of organelle localization
MP:0008450	retinal photoreceptor degeneration
MP:0005445	abnormal neurotransmitter secretion
ENSG00000185130	HIST1H2BL PPI subnetwork
MP:0000940	abnormal motor neuron innervation
ENSG00000170558	CDH2 PPI subnetwork
GO:0048194	Golgi vesicle budding
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_	KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM
GO:0060968	regulation of gene silencing
ENSG00000185236	RAB11B PPI subnetwork
ENSG00000156973	PDE6D PPI subnetwork
ENSG00000184203	PPP1R2 PPI subnetwork
ENSG00000187558	ENSG00000187558 PPI subnetwork
GO:0005525	GTP binding
ENSG00000175550	DRAP1 PPI subnetwork
ENSG00000144580	RQCD1 PPI subnetwork
GO:0006383	transcription from RNA polymerase III promoter
ENSG00000213465	ARL2 PPI subnetwork
GO:0010092	specification of organ identity
MP:0002910	abnormal excitatory postsynaptic currents
ENSG00000205571	SMN2 PPI subnetwork
ENSG00000172062	SMN1 PPI subnetwork
GO:0009127	purine nucleoside monophosphate biosynthetic process
GO:0009168	purine ribonucleoside monophosphate biosynthetic process
GO:0051437	positive regulation of ubiquitin-protein ligase activity involved

REACTOME_ACTIVATION_OF_THE_PRE:REP	REACTOME_ACTIVATION_OF_THE_PRE:REPLICATIVE_COMPLE
GO:0006684	sphingomyelin metabolic process
GO:0006820	anion transport
ENSG00000175221	MED16 PPI subnetwork
ENSG00000187778	MCRS1 PPI subnetwork
GO:0048525	negative regulation of viral reproduction
GO:0045071	negative regulation of viral genome replication
GO:0005212	structural constituent of eye lens
ENSG00000153107	ANAPC1 PPI subnetwork
GO:0072522	purine-containing compound biosynthetic process
MP:0005423	abnormal somatic nervous system physiology
GO:0005798	Golgi-associated vesicle
GO:0045060	negative thymic T cell selection
ENSG00000211889	ENSG00000211889 PPI subnetwork
GO:0071174	mitotic cell cycle spindle checkpoint
GO:0031461	cullin-RING ubiquitin ligase complex
ENSG00000113196	HAND1 PPI subnetwork
GO:0051436	negative regulation of ubiquitin-protein ligase activity involvec
GO:0042826	histone deacetylase binding
GO:0003887	DNA-directed DNA polymerase activity
ENSG00000074054	CLASP1 PPI subnetwork
ENSG00000160654	CD3G PPI subnetwork
GO:0055008	cardiac muscle tissue morphogenesis
GO:0016891	endoribonuclease activity, producing 5'-phosphomonoesters
REACTOME_PROCESSIVE_SYNTHESIS_ON_T	REACTOME_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STR
ENSG00000158373	HIST1H2BD PPI subnetwork
ENSG00000187555	USP7 PPI subnetwork
ENSG00000071564	TCF3 PPI subnetwork
GO:0030010	establishment of cell polarity
GO:0035967	cellular response to topologically incorrect protein
GO:0016337	cell-cell adhesion
MP:0000536	hydroureter
REACTOME_TCR_SIGNALING	REACTOME_TCR_SIGNALING
GO:0072655	establishment of protein localization in mitochondrion
REACTOME_MTOR_SIGNALLING	REACTOME_MTOR_SIGNALLING
ENSG00000073050	XRCC1 PPI subnetwork
GO:0005865	striated muscle thin filament
MP:0010386	abnormal urinary bladder physiology
ENSG00000139618	BRCA2 PPI subnetwork
GO:0000217	DNA secondary structure binding
ENSG00000129559	NEDD8 PPI subnetwork
ENSG00000084234	APLP2 PPI subnetwork
GO:0000780	condensed nuclear chromosome, centromeric region
GO:0042162	telomeric DNA binding
GO:0043524	negative regulation of neuron apoptotic process
GO:0030259	lipid glycosylation
GO:0097061	dendritic spine organization
GO:0060997	dendritic spine morphogenesis
GO:0050853	B cell receptor signaling pathway
GO:0031519	PcG protein complex

GO:0032204	regulation of telomere maintenance
ENSG00000127337	YEATS4 PPI subnetwork
REACTOME_O:LINKED_GLYCOSYLATION_OF	REACTOME_O:LINKED_GLYCOSYLATION_OF_MUCINS
GO:0072080	nephron tubule development
GO:0008635	activation of cysteine-type endopeptidase activity involved in
ENSG00000029534	ANK1 PPI subnetwork
ENSG00000197597	ENSG00000197597 PPI subnetwork
ENSG00000124635	HIST1H2BJ PPI subnetwork
ENSG00000147854	UHRF2 PPI subnetwork
GO:0015893	drug transport
GO:0072422	signal transduction involved in DNA damage checkpoint
GO:0006977	DNA damage response, signal transduction by p53 class media
GO:0072474	signal transduction involved in mitotic cell cycle G1/S checkpo
GO:0072431	signal transduction involved in mitotic cell cycle G1/S transitio
GO:0072413	signal transduction involved in mitotic cell cycle checkpoint
GO:0072401	signal transduction involved in DNA integrity checkpoint
MP:0002826	tonic seizures
GO:0045214	sarcomere organization
GO:0015491	cation:cation antiporter activity
ENSG00000022355	GABRA1 PPI subnetwork
ENSG00000114978	MOB1A PPI subnetwork
ENSG00000164418	GRIK2 PPI subnetwork
ENSG00000117385	LEPRE1 PPI subnetwork
GO:0060216	definitive hemopoiesis
GO:0000726	non-recombinational repair
MP:0000951	sporadic seizures
ENSG00000169621	APLF PPI subnetwork
ENSG00000182255	KCNA4 PPI subnetwork
GO:0030125	clathrin vesicle coat
ENSG00000075340	ADD2 PPI subnetwork
GO:0032446	protein modification by small protein conjugation
ENSG00000117091	CD48 PPI subnetwork
ENSG00000065675	PRKCQ PPI subnetwork
ENSG00000180198	RCC1 PPI subnetwork
ENSG00000203814	HIST2H2BF PPI subnetwork
MP:0004965	inner cell mass degeneration
GO:0061326	renal tubule development
MP:0003990	decreased neurotransmitter release
ENSG00000168005	C11orf84 PPI subnetwork
REACTOME_PURINE_RIBONUCLEOSIDE_MC	REACTOME_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_B
ENSG00000138107	ACTR1A PPI subnetwork
ENSG00000114784	EIF1B PPI subnetwork
ENSG00000176884	GRIN1 PPI subnetwork
ENSG00000157168	NRG1 PPI subnetwork
GO:0008239	dipeptidyl-peptidase activity
MP:0001491	unresponsive to tactile stimuli
ENSG00000136950	ARPC5L PPI subnetwork
GO:0042136	neurotransmitter biosynthetic process
ENSG00000082898	XPO1 PPI subnetwork
GO:0016441	posttranscriptional gene silencing

GO:0035194	posttranscriptional gene silencing by RNA
GO:0045619	regulation of lymphocyte differentiation
REACTOME_PRESYNAPTIC_NICOTINIC_ACE	REACTOME_PRESYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECE
GO:0008227	G-protein coupled amine receptor activity
MP:0004632	abnormal cochlear OHC efferent innervation pattern
MP:0002229	neurodegeneration
ENSG00000124164	VAPB PPI subnetwork
GO:0000795	synaptonemal complex
REACTOME_GENERATION_OF_SECOND_ME	REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLEC
ENSG00000137055	PLAA PPI subnetwork
GO:0042698	ovulation cycle
ENSG00000163879	DNALI1 PPI subnetwork
ENSG00000178127	NDUFV2 PPI subnetwork
GO:0044454	nuclear chromosome part
ENSG00000117153	KLHL12 PPI subnetwork
GO:0047555	3',5'-cyclic-GMP phosphodiesterase activity
ENSG00000204086	RPA4 PPI subnetwork
ENSG00000099795	NDUFB7 PPI subnetwork
REACTOME_REGULATION_OF_INSULIN_SEC	REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_GLUC
ENSG00000138594	TMOD3 PPI subnetwork
ENSG00000197442	MAP3K5 PPI subnetwork
GO:0072395	signal transduction involved in cell cycle checkpoint
GO:0072404	signal transduction involved in G1/S transition checkpoint
ENSG00000104738	MCM4 PPI subnetwork
ENSG00000132305	IMMT PPI subnetwork
ENSG00000079462	PAFAH1B3 PPI subnetwork
ENSG00000163082	SGPP2 PPI subnetwork
KEGG_GRAFT_VERSUS_HOST_DISEASE	KEGG_GRAFT_VERSUS_HOST_DISEASE
GO:0000307	cyclin-dependent protein kinase holoenzyme complex
GO:0008378	galactosyltransferase activity
ENSG00000111907	TPD52L1 PPI subnetwork
GO:0009109	coenzyme catabolic process
GO:0006164	purine nucleotide biosynthetic process
GO:0071305	cellular response to vitamin D
GO:0007379	segment specification
GO:0003743	translation initiation factor activity
GO:0030658	transport vesicle membrane
ENSG00000198216	CACNA1E PPI subnetwork
GO:0010948	negative regulation of cell cycle process
GO:0048284	organelle fusion
MP:0005191	head tilt
GO:0051865	protein autoubiquitination
ENSG00000077420	APBB1IP PPI subnetwork
GO:0009142	nucleoside triphosphate biosynthetic process
ENSG00000138814	PPP3CA PPI subnetwork
ENSG00000164758	MED30 PPI subnetwork
ENSG00000035928	RFC1 PPI subnetwork
ENSG00000173156	RHOD PPI subnetwork
ENSG00000125885	MCM8 PPI subnetwork
GO:0005200	structural constituent of cytoskeleton

GO:0045296	cadherin binding
ENSG00000196501	ENSG00000196501 PPI subnetwork
ENSG00000215305	VPS16 PPI subnetwork
ENSG00000166794	PPIB PPI subnetwork
ENSG00000039650	PNKP PPI subnetwork
ENSG00000113643	RARS PPI subnetwork
MP:0000953	abnormal oligodendrocyte morphology
GO:0005871	kinesin complex
GO:0072509	divalent inorganic cation transmembrane transporter activity
GO:0000291	nuclear-transcribed mRNA catabolic process, exonucleolytic
GO:0043928	exonucleolytic nuclear-transcribed mRNA catabolic process in
MP:0008080	abnormal CD8-positive T cell differentiation
GO:0002474	antigen processing and presentation of peptide antigen via MH
GO:0031672	A band
MP:0005547	abnormal Muller cell morphology
GO:0045921	positive regulation of exocytosis
GO:0006184	GTP catabolic process
GO:0050691	regulation of defense response to virus by host
GO:0000228	nuclear chromosome
GO:0051444	negative regulation of ubiquitin-protein ligase activity
GO:0051352	negative regulation of ligase activity
MP:0003312	abnormal locomotor coordination
GO:0034505	tooth mineralization
GO:0045061	thymic T cell selection
GO:0032608	interferon-beta production
ENSG00000120008	WDR11 PPI subnetwork
GO:0006182	cGMP biosynthetic process
MP:0009743	preaxial polydactyly
GO:0042805	actinin binding
ENSG00000197579	TOPORS PPI subnetwork
GO:0043383	negative T cell selection
GO:0031571	mitotic cell cycle G1/S transition DNA damage checkpoint
GO:0006284	base-excision repair
MP:0000534	abnormal ureter morphology
ENSG00000104388	RAB2A PPI subnetwork
ENSG00000162946	DISC1 PPI subnetwork
ENSG00000134248	HBXIP PPI subnetwork
GO:0007218	neuropeptide signaling pathway
ENSG00000163605	PPP4R2 PPI subnetwork
MP:0003672	abnormal ureter development
KEGG_AUTOIMMUNE_THYROID_DISEASE	KEGG_AUTOIMMUNE_THYROID_DISEASE
GO:0055002	striated muscle cell development
ENSG00000127314	RAP1B PPI subnetwork
GO:0006690	icosanoid metabolic process
GO:0048278	vesicle docking
REACTOME_MUSCLE_CONTRACTION	REACTOME_MUSCLE_CONTRACTION
REACTOME_CALMODULIN_INDUCED_EVEN	REACTOME_CALMODULIN_INDUCED_EVENTS
REACTOME_CAM_PATHWAY	REACTOME_CAM_PATHWAY
ENSG00000106400	ZNHIT1 PPI subnetwork
ENSG00000175595	ERCC4 PPI subnetwork

GO:0000782	telomere cap complex
GO:0000783	nuclear telomere cap complex
GO:0021510	spinal cord development
ENSG00000105325	FZR1 PPI subnetwork
ENSG00000107758	PPP3CB PPI subnetwork
GO:0001046	core promoter sequence-specific DNA binding
GO:0071779	G1/S transition checkpoint
GO:0010632	regulation of epithelial cell migration
GO:0042776	mitochondrial ATP synthesis coupled proton transport
GO:0031333	negative regulation of protein complex assembly
GO:0032480	negative regulation of type I interferon production
ENSG00000100554	ATP6V1D PPI subnetwork
ENSG00000183049	CAMK1D PPI subnetwork
REACTOME_CYTOSOLIC_TRNA_AMINOACYL	REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION
GO:0021987	cerebral cortex development
ENSG00000168397	ATG4B PPI subnetwork
ENSG00000215697	ENSG00000215697 PPI subnetwork
ENSG00000198576	ARC PPI subnetwork
GO:0046928	regulation of neurotransmitter secretion
GO:0042401	cellular biogenic amine biosynthetic process
GO:0000979	RNA polymerase II core promoter sequence-specific DNA bind
ENSG00000144283	PKP4 PPI subnetwork
GO:0045778	positive regulation of ossification
ENSG00000127586	CHTF18 PPI subnetwork
REACTOME_P38MAPK_EVENTS	REACTOME_P38MAPK_EVENTS
ENSG00000177469	PTRF PPI subnetwork
MP:0009745	abnormal behavioral response to xenobiotic
GO:0007274	neuromuscular synaptic transmission
GO:0006289	nucleotide-excision repair
ENSG00000069248	NUP133 PPI subnetwork
ENSG00000130041	ENSG00000130041 PPI subnetwork
ENSG00000177954	RPS27 PPI subnetwork
GO:0003229	ventricular cardiac muscle tissue development
GO:0007099	centriole replication
GO:0030261	chromosome condensation
ENSG00000196890	HIST3H2BB PPI subnetwork
REACTOME_PLC:GAMMA1_SIGNALLING	REACTOME_PLC:GAMMA1_SIGNALLING
ENSG00000076864	RAP1GAP PPI subnetwork
REACTOME_REGULATION_OF_WATER_BAL	REACTOME_REGULATION_OF_WATER_BALANCE_BY_RENAL_
GO:0006458	'de novo' protein folding
GO:0005932	microtubule basal body
MP:0001489	decreased startle reflex
GO:0032272	negative regulation of protein polymerization
ENSG00000198523	PLN PPI subnetwork
GO:0002709	regulation of T cell mediated immunity
MP:0001899	absent long term depression
KEGG_OXIDATIVE_PHOSPHORYLATION	KEGG_OXIDATIVE_PHOSPHORYLATION
ENSG00000196510	ANAPC7 PPI subnetwork
ENSG00000196557	CACNA1H PPI subnetwork
GO:0000387	spliceosomal snRNP assembly

GO:0006783	heme biosynthetic process
ENSG00000165392	WRN PPI subnetwork
ENSG00000136152	COG3 PPI subnetwork
GO:0015297	antiporter activity
ENSG00000033122	LRRC7 PPI subnetwork
GO:0060325	face morphogenesis
ENSG00000159479	MED8 PPI subnetwork
GO:0031644	regulation of neurological system process
GO:0051084	'de novo' posttranslational protein folding
GO:0015002	heme-copper terminal oxidase activity
GO:0016676	oxidoreductase activity, acting on a heme group of donors, ox
GO:0004129	cytochrome-c oxidase activity
GO:0042744	hydrogen peroxide catabolic process
ENSG00000164162	ANAPC10 PPI subnetwork
ENSG00000111652	COPS7A PPI subnetwork
GO:0043331	response to dsRNA
ENSG00000197860	SGTB PPI subnetwork
ENSG00000183943	PRKX PPI subnetwork
GO:0002889	regulation of immunoglobulin mediated immune response
GO:0008343	adult feeding behavior
MP:0002207	abnormal long term potentiation
GO:0002712	regulation of B cell mediated immunity
ENSG00000175216	CKAP5 PPI subnetwork
ENSG00000131747	TOP2A PPI subnetwork
ENSG00000126247	CAPNS1 PPI subnetwork
GO:0030029	actin filament-based process
GO:0045672	positive regulation of osteoclast differentiation
ENSG00000165637	VDAC2 PPI subnetwork
GO:0045773	positive regulation of axon extension
MP:0008536	enlarged third ventricle
GO:0043073	germ cell nucleus
KEGG_PURINE_METABOLISM	KEGG_PURINE_METABOLISM
ENSG00000067191	CACNB1 PPI subnetwork
GO:0046641	positive regulation of alpha-beta T cell proliferation
ENSG00000121892	PDS5A PPI subnetwork
GO:0043586	tongue development
ENSG00000174622	ENSG00000174622 PPI subnetwork
ENSG00000146677	ENSG00000146677 PPI subnetwork
ENSG00000204642	HLA-F PPI subnetwork
REACTOME_OPIOID_SIGNALLING	REACTOME_OPIOID_SIGNALLING
MP:0000087	absent mandible
REACTOME_SIGNALING_BY_ROBO_RECEPT	REACTOME_SIGNALING_BY_ROBO_RECEPTOR
GO:2000045	regulation of G1/S transition of mitotic cell cycle
ENSG00000168522	FNTA PPI subnetwork
GO:0006446	regulation of translational initiation
GO:0051443	positive regulation of ubiquitin-protein ligase activity
ENSG00000126821	SGPP1 PPI subnetwork
GO:0007286	spermatid development
GO:0008038	neuron recognition
ENSG00000075945	KIFAP3 PPI subnetwork

ENSG00000125249	RAP2A PPI subnetwork
ENSG00000149503	INCENP PPI subnetwork
ENSG00000149295	DRD2 PPI subnetwork
GO:0031267	small GTPase binding
GO:0000086	G2/M transition of mitotic cell cycle
ENSG00000185214	ENSG00000185214 PPI subnetwork
GO:0016486	peptide hormone processing
ENSG00000115750	TAF1B PPI subnetwork
GO:0022618	ribonucleoprotein complex assembly
ENSG00000075089	ACTR6 PPI subnetwork
MP:0004901	decreased male germ cell number
ENSG00000147416	ATP6V1B2 PPI subnetwork
ENSG00000115306	SPTBN1 PPI subnetwork
GO:0051603	proteolysis involved in cellular protein catabolic process
GO:0045761	regulation of adenylate cyclase activity
ENSG00000169131	ZNF354A PPI subnetwork
MP:0001566	hyperphosphatemia
ENSG00000128908	INO80 PPI subnetwork
GO:0009411	response to UV
ENSG00000170004	CHD3 PPI subnetwork
ENSG00000085840	ORC1 PPI subnetwork
ENSG00000172845	SP3 PPI subnetwork
GO:0004690	cyclic nucleotide-dependent protein kinase activity
GO:0051784	negative regulation of nuclear division
GO:0045839	negative regulation of mitosis
GO:0045058	T cell selection
GO:0044460	flagellum part
GO:0044442	microtubule-based flagellum part
GO:0016529	sarcoplasmic reticulum
GO:0060113	inner ear receptor cell differentiation
ENSG00000183454	GRIN2A PPI subnetwork
ENSG00000070182	SPTB PPI subnetwork
MP:0001958	emphysema
GO:0055117	regulation of cardiac muscle contraction
GO:0032006	regulation of TOR signaling cascade
ENSG00000101868	POLA1 PPI subnetwork
GO:0016796	exonuclease activity, active with either ribo- or deoxyribonucl
GO:0007006	mitochondrial membrane organization
MP:0002913	abnormal PNS synaptic transmission
GO:0006584	catecholamine metabolic process
GO:0009712	catechol-containing compound metabolic process
GO:0034311	diol metabolic process
ENSG00000178363	CALML3 PPI subnetwork
ENSG00000023318	ERP44 PPI subnetwork
GO:0032984	macromolecular complex disassembly
ENSG00000132535	DLG4 PPI subnetwork
GO:0042044	fluid transport
ENSG00000186141	POLR3C PPI subnetwork
GO:0042384	cilium assembly
GO:0042288	MHC class I protein binding

GO:0006754	ATP biosynthetic process
REACTOME_DOPAMINE_NEUROTRANSMIT	REACTOME_DOPAMINE_NEUROTRANSMITTER_RELEASE_CYCI
REACTOME_SEROTONIN_NEUROTRANSMIT	REACTOME_SEROTONIN_NEUROTRANSMITTER_RELEASE_CYC
ENSG00000141985	SH3GL1 PPI subnetwork
GO:0006626	protein targeting to mitochondrion
ENSG00000108262	GIT1 PPI subnetwork
MP:0003964	abnormal noradrenaline level
GO:0043029	T cell homeostasis
ENSG00000213066	FGFR1OP PPI subnetwork
ENSG00000114026	OGG1 PPI subnetwork
GO:0071577	zinc ion transmembrane transport
GO:0030983	mismatched DNA binding
REACTOME_REMOVAL_OF_THE_FLAP_INTE	REACTOME_REMOVAL_OF_THE_FLAP_INTERMEDIATE
GO:0035966	response to topologically incorrect protein
ENSG00000158186	MRAS PPI subnetwork
ENSG00000156802	ATAD2 PPI subnetwork
ENSG00000099800	TIMM13 PPI subnetwork
MP:0001360	abnormal social investigation
ENSG00000165996	PTPLA PPI subnetwork
GO:0034622	cellular macromolecular complex assembly
GO:0000922	spindle pole
GO:0048515	spermatid differentiation
GO:0031575	mitotic cell cycle G1/S transition checkpoint
GO:0051648	vesicle localization
ENSG00000138398	PPIG PPI subnetwork
GO:0006636	unsaturated fatty acid biosynthetic process
ENSG00000111530	CAND1 PPI subnetwork
ENSG00000068903	SIRT2 PPI subnetwork
ENSG00000119138	KLF9 PPI subnetwork
GO:0000976	transcription regulatory region sequence-specific DNA binding
GO:0006415	translational termination
GO:0015804	neutral amino acid transport
REACTOME_MEIOTIC_SYNAPSIS	REACTOME_MEIOTIC_SYNAPSIS
GO:0043254	regulation of protein complex assembly
MP:0006054	spinal hemorrhage
GO:0061333	renal tubule morphogenesis
ENSG00000198873	GRK5 PPI subnetwork
GO:0048715	negative regulation of oligodendrocyte differentiation
ENSG00000099381	SETD1A PPI subnetwork
GO:0060174	limb bud formation
ENSG00000171747	LGALS4 PPI subnetwork
GO:0018345	protein palmitoylation
MP:0008582	short photoreceptor inner segment
GO:0001916	positive regulation of T cell mediated cytotoxicity
ENSG00000005249	PRKAR2B PPI subnetwork
KEGG_O_GLYCAN_BIOSYNTHESIS	KEGG_O_GLYCAN_BIOSYNTHESIS
GO:0046039	GTP metabolic process
GO:0031343	positive regulation of cell killing
GO:0034623	cellular macromolecular complex disassembly
ENSG00000163875	MEAF6 PPI subnetwork

GO:0006779	porphyrin-containing compound biosynthetic process
GO:0033014	tetrapyrrole biosynthetic process
GO:0060444	branching involved in mammary gland duct morphogenesis
GO:0008287	protein serine/threonine phosphatase complex
GO:0051597	response to methylmercury
REACTOME_NETRIN:1_SIGNALING	REACTOME_NETRIN:1_SIGNALING
MP:0005353	abnormal patella morphology
ENSG00000185532	PRKG1 PPI subnetwork
MP:0001044	abnormal enteric nervous system morphology
ENSG00000198910	L1CAM PPI subnetwork
ENSG00000197959	DNM3 PPI subnetwork
GO:0055010	ventricular cardiac muscle tissue morphogenesis
ENSG00000183763	TRAIP PPI subnetwork
REACTOME_THE_NLRP3_INFLAMMASOME	REACTOME_THE_NLRP3_INFLAMMASOME
GO:0006521	regulation of cellular amino acid metabolic process
REACTOME_EGFR_INTERACTS_WITH_PHOS	REACTOME_EGFR_INTERACTS_WITH_PHOSPHOLIPASE_C:GAM
GO:0008135	translation factor activity, nucleic acid binding
KEGG_NUCLEOTIDE_EXCISION_REPAIR	KEGG_NUCLEOTIDE_EXCISION_REPAIR
ENSG00000206413	ENSG00000206413 PPI subnetwork
ENSG00000206493	HLA-E PPI subnetwork
KEGG_GAP_JUNCTION	KEGG_GAP_JUNCTION
ENSG00000198000	NOL8 PPI subnetwork
GO:0032200	telomere organization
MP:0004919	abnormal positive T cell selection
ENSG00000171195	MUC7 PPI subnetwork
ENSG00000166508	MCM7 PPI subnetwork
GO:0032728	positive regulation of interferon-beta production
GO:0000793	condensed chromosome
GO:0030890	positive regulation of B cell proliferation
GO:0070169	positive regulation of biomineral tissue development
GO:0010833	telomere maintenance via telomere lengthening
GO:0051439	regulation of ubiquitin-protein ligase activity involved in mitot
ENSG00000104164	PLDN PPI subnetwork
ENSG00000211762	ENSG00000211762 PPI subnetwork
GO:0043242	negative regulation of protein complex disassembly
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_TERMINA
GO:0009167	purine ribonucleoside monophosphate metabolic process
GO:0009126	purine nucleoside monophosphate metabolic process
ENSG00000116957	TBCE PPI subnetwork
ENSG00000166128	RAB8B PPI subnetwork
GO:0071230	cellular response to amino acid stimulus
MP:0008261	arrest of male meiosis
GO:0008408	3'-5' exonuclease activity
GO:0007140	male meiosis
ENSG00000148943	LIN7C PPI subnetwork
ENSG00000128050	PAICS PPI subnetwork
GO:0001656	metanephros development
ENSG00000131069	ACSS2 PPI subnetwork
GO:0032393	MHC class I receptor activity
GO:0002706	regulation of lymphocyte mediated immunity

GO:0030071	regulation of mitotic metaphase/anaphase transition
GO:0001910	regulation of leukocyte mediated cytotoxicity
GO:0022602	ovulation cycle process
ENSG00000166266	CUL5 PPI subnetwork
GO:0016358	dendrite development
GO:0042165	neurotransmitter binding
MP:0001522	impaired swimming
GO:0002456	T cell mediated immunity
GO:0034061	DNA polymerase activity
ENSG00000124641	MED20 PPI subnetwork
GO:0002827	positive regulation of T-helper 1 type immune response
ENSG00000151923	TIAL1 PPI subnetwork
GO:0010824	regulation of centrosome duplication
ENSG00000131711	MAP1B PPI subnetwork
MP:0008058	abnormal DNA repair
GO:0030501	positive regulation of bone mineralization
GO:0043010	camera-type eye development
ENSG00000204632	HLA-G PPI subnetwork
ENSG00000206443	ENSG00000206443 PPI subnetwork
ENSG00000206506	HLA-G PPI subnetwork
ENSG00000126215	XRCC3 PPI subnetwork
GO:0000724	double-strand break repair via homologous recombination
GO:0051588	regulation of neurotransmitter transport
GO:0048265	response to pain
GO:0050919	negative chemotaxis
GO:0031294	lymphocyte costimulation
GO:0031295	T cell costimulation
GO:0035195	gene silencing by miRNA
ENSG00000129625	REEP5 PPI subnetwork
ENSG00000132872	SYT4 PPI subnetwork
GO:0005484	SNAP receptor activity
GO:0009260	ribonucleotide biosynthetic process
ENSG00000108510	MED13 PPI subnetwork
ENSG00000171453	POLR1C PPI subnetwork
GO:0050871	positive regulation of B cell activation
MP:0006358	absent pinna reflex
GO:0090257	regulation of muscle system process
GO:0003684	damaged DNA binding
ENSG00000173805	HAP1 PPI subnetwork
GO:0016514	SWI/SNF complex
ENSG00000151834	GABRA2 PPI subnetwork
GO:0071359	cellular response to dsRNA
KEGG_CALCIUM_SIGNALING_PATHWAY	KEGG_CALCIUM_SIGNALING_PATHWAY
ENSG00000077514	POLD3 PPI subnetwork
GO:0016592	mediator complex
KEGG_PARKINSONS_DISEASE	KEGG_PARKINSONS_DISEASE
MP:0004091	abnormal Z lines
ENSG00000100146	SOX10 PPI subnetwork
GO:0016528	sarcoplasm
ENSG00000118007	STAG1 PPI subnetwork

GO:0000723	telomere maintenance
ENSG00000137403	HLA-F PPI subnetwork
MP:0004768	abnormal axonal transport
GO:0008353	RNA polymerase II carboxy-terminal domain kinase activity
GO:0008021	synaptic vesicle
GO:0006516	glycoprotein catabolic process
GO:0004629	phospholipase C activity
ENSG00000101189	C20orf20 PPI subnetwork
ENSG00000068793	CYFIP1 PPI subnetwork
ENSG00000117748	RPA2 PPI subnetwork
ENSG00000155097	ATP6V1C1 PPI subnetwork
GO:0043596	nuclear replication fork
ENSG00000072315	TRPC5 PPI subnetwork
REACTOME_DNA_REPLICATION	REACTOME_DNA_REPLICATION
ENSG00000148408	CACNA1B PPI subnetwork
GO:0032271	regulation of protein polymerization
ENSG00000139546	TARBP2 PPI subnetwork
MP:0002894	abnormal otolith morphology
ENSG00000113575	PPP2CA PPI subnetwork
ENSG00000198648	STK39 PPI subnetwork
GO:0017016	Ras GTPase binding
ENSG00000131462	TUBG1 PPI subnetwork
MP:0006113	abnormal heart septum morphology
GO:0006833	water transport
GO:0061136	regulation of proteasomal protein catabolic process
GO:0035313	wound healing, spreading of epidermal cells
ENSG00000175582	RAB6A PPI subnetwork
ENSG00000034053	APBA2 PPI subnetwork
GO:0004835	tubulin-tyrosine ligase activity
KEGG_HOMOLOGOUS_RECOMBINATION	KEGG_HOMOLOGOUS_RECOMBINATION
GO:0072078	nephron tubule morphogenesis
GO:0042491	auditory receptor cell differentiation
REACTOME_CA:DEPENDENT_EVENTS	REACTOME_CA:DEPENDENT_EVENTS
ENSG00000082014	SMARCD3 PPI subnetwork
GO:0004221	ubiquitin thiolesterase activity
GO:0032008	positive regulation of TOR signaling cascade
ENSG00000107341	UBE2R2 PPI subnetwork
MP:0004321	short sternum
GO:0043046	DNA methylation involved in gamete generation
GO:0006890	retrograde vesicle-mediated transport, Golgi to ER
GO:0035085	cilium axoneme
GO:0015800	acidic amino acid transport
GO:0051324	prophase
ENSG00000103043	VAC14 PPI subnetwork
ENSG00000153827	TRIP12 PPI subnetwork
GO:0004435	phosphatidylinositol phospholipase C activity
GO:0042490	mechanoreceptor differentiation
ENSG00000135624	CCT7 PPI subnetwork
ENSG00000136146	MED4 PPI subnetwork
ENSG00000078140	UBE2K PPI subnetwork

ENSG00000205022	PABPN1L PPI subnetwork
GO:0009201	ribonucleoside triphosphate biosynthetic process
GO:0070603	SWI/SNF-type complex
GO:0001518	voltage-gated sodium channel complex
GO:0019212	phosphatase inhibitor activity
REACTOME_INSULIN_RECEPTOR_RECYCLIN	REACTOME_INSULIN_RECEPTOR_RECYCLING
ENSG00000161835	GRASP PPI subnetwork
ENSG00000137955	RABGGTB PPI subnetwork
REACTOME_DEPOLARIZATION_OF_THE_PR	REACTOME_DEPOLARIZATION_OF_THE_PRESYNAPTIC_TERMI
GO:0007617	mating behavior
GO:0032735	positive regulation of interleukin-12 production
ENSG00000136982	DSCC1 PPI subnetwork
GO:0051351	positive regulation of ligase activity
MP:0001005	abnormal retinal rod cell morphology
GO:0006282	regulation of DNA repair
GO:0005248	voltage-gated sodium channel activity
ENSG00000164109	MAD2L1 PPI subnetwork
ENSG00000149294	NCAM1 PPI subnetwork
ENSG00000198056	PRIM1 PPI subnetwork
ENSG00000126261	UBA2 PPI subnetwork
GO:0043616	keratinocyte proliferation
GO:0006914	autophagy
GO:0043241	protein complex disassembly
ENSG00000134574	DDB2 PPI subnetwork
MP:0001513	limb grasping
GO:0043028	cysteine-type endopeptidase regulator activity involved in apc
GO:0051339	regulation of lyase activity
ENSG00000158169	FANCC PPI subnetwork
GO:0070647	protein modification by small protein conjugation or removal
GO:0006986	response to unfolded protein
GO:0000209	protein polyubiquitination
GO:0032620	interleukin-17 production
GO:0032660	regulation of interleukin-17 production
GO:0000725	recombinational repair
ENSG00000077522	ACTN2 PPI subnetwork
ENSG00000100591	AHSA1 PPI subnetwork
MP:0008587	short photoreceptor outer segment
ENSG00000154917	RAB6B PPI subnetwork
GO:0010257	NADH dehydrogenase complex assembly
GO:0097031	mitochondrial respiratory chain complex I biogenesis
GO:0032981	mitochondrial respiratory chain complex I assembly
GO:0031279	regulation of cyclase activity
ENSG00000163440	PDCL2 PPI subnetwork
ENSG00000160271	RALGDS PPI subnetwork
ENSG00000109911	ELP4 PPI subnetwork
GO:2000677	regulation of transcription regulatory region DNA binding
GO:0031145	anaphase-promoting complex-dependent proteasomal ubiquit
ENSG00000131381	ZFYVE20 PPI subnetwork
ENSG00000165288	BRWD3 PPI subnetwork
ENSG00000067057	PFKP PPI subnetwork

GO:0004993	serotonin receptor activity
REACTOME_RAP1_SIGNALLING	REACTOME_RAP1_SIGNALLING
GO:0004890	GABA-A receptor activity
ENSG00000139842	CUL4A PPI subnetwork
ENSG00000057468	MSH4 PPI subnetwork
GO:0017085	response to insecticide
ENSG00000087274	ADD1 PPI subnetwork
GO:0035254	glutamate receptor binding
GO:0045786	negative regulation of cell cycle
GO:0090068	positive regulation of cell cycle process
GO:0043330	response to exogenous dsRNA
REACTOME_RNA_POLYMERASE_I_TRANSCI	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION_INITIATIO
MP:0002912	abnormal excitatory postsynaptic potential
ENSG00000112079	STK38 PPI subnetwork
ENSG00000151164	RAD9B PPI subnetwork
ENSG00000104915	STX10 PPI subnetwork
ENSG00000163468	CCT3 PPI subnetwork
GO:0006270	DNA-dependent DNA replication initiation
ENSG00000141404	GNAL PPI subnetwork
GO:0021889	olfactory bulb interneuron differentiation
ENSG00000197102	DYNC1H1 PPI subnetwork
ENSG00000197535	MYO5A PPI subnetwork
GO:0030016	myofibril
GO:0009145	purine nucleoside triphosphate biosynthetic process
ENSG00000196981	WDR5B PPI subnetwork
GO:0043523	regulation of neuron apoptotic process
GO:0033044	regulation of chromosome organization
ENSG00000114554	PLXNA1 PPI subnetwork
GO:0007091	mitotic metaphase/anaphase transition
MP:0009243	hairpin sperm flagellum
GO:0015459	potassium channel regulator activity
GO:0007030	Golgi organization
GO:0034502	protein localization to chromosome
GO:0006513	protein monoubiquitination
GO:0007613	memory
ENSG00000166851	PLK1 PPI subnetwork
GO:0035253	ciliary rootlet
ENSG00000172020	GAP43 PPI subnetwork
ENSG00000177189	RPS6KA3 PPI subnetwork
GO:0043624	cellular protein complex disassembly
GO:0007339	binding of sperm to zona pellucida
REACTOME_PROTEOLYTIC_CLEAVAGE_OF_	REACTOME_PROTEOLYTIC_CLEAVAGE_OF_SNARE_COMPLEX_
REACTOME_STRIATED_MUSCLE_CONTRACT	REACTOME_STRIATED_MUSCLE_CONTRACTION
GO:0030662	coated vesicle membrane
ENSG00000144848	ATG3 PPI subnetwork
GO:0051293	establishment of spindle localization
GO:0051653	spindle localization
GO:0007050	cell cycle arrest
GO:0031047	gene silencing by RNA
GO:0006308	DNA catabolic process

GO:0051320	S phase
GO:0035088	establishment or maintenance of apical/basal cell polarity
GO:0061245	establishment or maintenance of bipolar cell polarity
REACTOME_CELL_CYCLE_MITOTIC	REACTOME_CELL_CYCLE_MITOTIC
KEGG_VIRAL_MYOCARDITIS	KEGG_VIRAL_MYOCARDITIS
ENSG00000008056	SYN1 PPI subnetwork
MP:0010263	total cataracts
ENSG00000120616	EPC1 PPI subnetwork
GO:0051438	regulation of ubiquitin-protein ligase activity
GO:0007423	sensory organ development
GO:0001673	male germ cell nucleus
GO:0060271	cilium morphogenesis
ENSG00000112208	BAG2 PPI subnetwork
GO:0031576	G2/M transition checkpoint
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_ESCAPE
KEGG_ALZHEIMERS_DISEASE	KEGG_ALZHEIMERS_DISEASE
GO:0046633	alpha-beta T cell proliferation
GO:0046847	filopodium assembly
GO:0007128	meiotic prophase I
ENSG00000171132	PRKCE PPI subnetwork
GO:0006892	post-Golgi vesicle-mediated transport
GO:0050912	detection of chemical stimulus involved in sensory perception
ENSG00000120875	DUSP4 PPI subnetwork
ENSG00000145241	CENPC1 PPI subnetwork
GO:0001012	RNA polymerase II regulatory region DNA binding
MP:0002841	impaired skeletal muscle contractility
GO:0000132	establishment of mitotic spindle orientation
GO:0051294	establishment of spindle orientation
GO:0002429	immune response-activating cell surface receptor signaling pat
GO:0042166	acetylcholine binding
GO:0043113	receptor clustering
GO:0000216	M/G1 transition of mitotic cell cycle
REACTOME_PLCG1_EVENTS_IN_ERBB2_SIG	REACTOME_PLCG1_EVENTS_IN_ERBB2_SIGNALING
REACTOME_BOTULINUM_NEUROTOXICITY	REACTOME_BOTULINUM_NEUROTOXICITY
ENSG00000150086	GRIN2B PPI subnetwork
ENSG00000142856	ITGB3BP PPI subnetwork
ENSG00000157152	ENSG00000157152 PPI subnetwork
MP:0002023	B cell derived lymphoma
REACTOME_RNA_POLYMERASE_I_TRANSCF	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION
KEGG_ALLOGRAFT_REJECTION	KEGG_ALLOGRAFT_REJECTION
GO:0051969	regulation of transmission of nerve impulse
ENSG00000104312	RIPK2 PPI subnetwork
ENSG00000108848	LUC7L3 PPI subnetwork
ENSG00000083642	PDS5B PPI subnetwork
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_OPENING
GO:0051493	regulation of cytoskeleton organization
GO:0001917	photoreceptor inner segment
GO:0072527	pyrimidine-containing compound metabolic process
GO:0003009	skeletal muscle contraction
ENSG00000184185	KCNJ12 PPI subnetwork

GO:0018394	peptidyl-lysine acetylation
MP:0008840	abnormal spike wave discharge
GO:0045652	regulation of megakaryocyte differentiation
ENSG00000091651	ORC6 PPI subnetwork
ENSG00000083857	FAT1 PPI subnetwork
ENSG00000175482	POLD4 PPI subnetwork
GO:0071826	ribonucleoprotein complex subunit organization
GO:0015296	anion:cation symporter activity
ENSG00000127914	AKAP9 PPI subnetwork
GO:0006338	chromatin remodeling
GO:0050907	detection of chemical stimulus involved in sensory perception
GO:0019941	modification-dependent protein catabolic process
ENSG00000073969	NSF PPI subnetwork
GO:0030424	axon
GO:0050908	detection of light stimulus involved in visual perception
GO:0050962	detection of light stimulus involved in sensory perception
GO:0019829	cation-transporting ATPase activity
MP:0004835	abnormal miniature endplate potential
ENSG00000184408	KCND2 PPI subnetwork
ENSG00000124802	EEF1E1 PPI subnetwork
ENSG00000024048	UBR2 PPI subnetwork
ENSG00000167674	ENSG00000167674 PPI subnetwork
REACTOME_TANDEM_PORE_DOMAIN_POT	REACTOME_TANDEM_PORE_DOMAIN_POTASSIUM_CHANNEI
GO:0007346	regulation of mitotic cell cycle
ENSG00000002016	RAD52 PPI subnetwork
ENSG00000004779	NDUFAB1 PPI subnetwork
GO:0007212	dopamine receptor signaling pathway
ENSG00000009413	REV3L PPI subnetwork
REACTOME_MITOTIC_M:MG1_PHASES	REACTOME_MITOTIC_M:MG1_PHASES
ENSG00000169189	NSMCE1 PPI subnetwork
ENSG00000124097	ENSG00000124097 PPI subnetwork
ENSG00000103460	TOX3 PPI subnetwork
ENSG00000198846	TOX PPI subnetwork
ENSG00000130772	MED18 PPI subnetwork
ENSG00000121022	COPS5 PPI subnetwork
REACTOME_DAG_AND_IP3_SIGNALING	REACTOME_DAG_AND_IP3_SIGNALING
GO:0017153	sodium:dicarboxylate symporter activity
GO:0006470	protein dephosphorylation
ENSG00000154174	TOMM70A PPI subnetwork
ENSG00000138663	COPS4 PPI subnetwork
GO:0051402	neuron apoptotic process
GO:0005544	calcium-dependent phospholipid binding
GO:0043632	modification-dependent macromolecule catabolic process
GO:0060048	cardiac muscle contraction
GO:0007076	mitotic chromosome condensation
GO:0005242	inward rectifier potassium channel activity
GO:0006412	translation
GO:0035250	UDP-galactosyltransferase activity
ENSG00000124214	STAU1 PPI subnetwork
ENSG00000102189	EEA1 PPI subnetwork

GO:0003924	GTPase activity
ENSG00000213023	SYT3 PPI subnetwork
GO:0015813	L-glutamate transport
GO:0010959	regulation of metal ion transport
ENSG00000136560	TANK PPI subnetwork
GO:0035036	sperm-egg recognition
REACTOME_CELL_CYCLE	REACTOME_CELL_CYCLE
MP:0002206	abnormal CNS synaptic transmission
ENSG00000150672	DLG2 PPI subnetwork
GO:0017124	SH3 domain binding
ENSG00000197548	ATG7 PPI subnetwork
GO:0061025	membrane fusion
ENSG00000116473	RAP1A PPI subnetwork
ENSG00000143256	PFDN2 PPI subnetwork
GO:0031646	positive regulation of neurological system process
GO:0030318	melanocyte differentiation
ENSG00000133243	BTBD2 PPI subnetwork
GO:0051971	positive regulation of transmission of nerve impulse
ENSG00000088367	EPB41L1 PPI subnetwork
GO:0007062	sister chromatid cohesion
KEGG_VASOPRESSIN_REGULATED_WATER_	KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION
ENSG00000120253	NUP43 PPI subnetwork
GO:0090329	regulation of DNA-dependent DNA replication
GO:0009206	purine ribonucleoside triphosphate biosynthetic process
MP:0003031	acidosis
GO:0002768	immune response-regulating cell surface receptor signaling pa
ENSG00000116288	PARK7 PPI subnetwork
GO:0005227	calcium activated cation channel activity
GO:0014047	glutamate secretion
ENSG00000154473	BUB3 PPI subnetwork
ENSG00000075188	NUP37 PPI subnetwork
GO:0032814	regulation of natural killer cell activation
GO:0000084	S phase of mitotic cell cycle
GO:0032508	DNA duplex unwinding
GO:0032392	DNA geometric change
ENSG00000206208	TAPBP PPI subnetwork
ENSG00000112493	TAPBP PPI subnetwork
ENSG00000206281	TAPBP PPI subnetwork
ENSG00000196470	SIAH1 PPI subnetwork
GO:0009152	purine ribonucleotide biosynthetic process
ENSG00000088832	FKBP1A PPI subnetwork
GO:0005801	cis-Golgi network
GO:0050931	pigment cell differentiation
ENSG00000196712	NF1 PPI subnetwork
GO:0018393	internal peptidyl-lysine acetylation
GO:0070997	neuron death
GO:0006281	DNA repair
GO:0006511	ubiquitin-dependent protein catabolic process
ENSG00000154229	PRKCA PPI subnetwork
GO:0051298	centrosome duplication

GO:0007127	meiosis I
ENSG00000164754	RAD21 PPI subnetwork
GO:0042274	ribosomal small subunit biogenesis
GO:0001502	cartilage condensation
GO:0008601	protein phosphatase type 2A regulator activity
GO:0030594	neurotransmitter receptor activity
GO:0048635	negative regulation of muscle organ development
GO:0046456	icosanoid biosynthetic process
GO:0046961	proton-transporting ATPase activity, rotational mechanism
GO:0034707	chloride channel complex
GO:0002504	antigen processing and presentation of peptide or polysaccha
ENSG00000166862	CACNG2 PPI subnetwork
ENSG00000102001	CACNA1F PPI subnetwork
GO:0016445	somatic diversification of immunoglobulins
GO:0006261	DNA-dependent DNA replication
GO:0006937	regulation of muscle contraction
ENSG00000092531	SNAP23 PPI subnetwork
GO:0031929	TOR signaling cascade
GO:0004012	phospholipid-translocating ATPase activity
GO:0032816	positive regulation of natural killer cell activation
MP:0004022	abnormal cone electrophysiology
REACTOME_CHROMOSOME_MAINTENANC	REACTOME_CHROMOSOME_MAINTENANCE
ENSG00000163162	RNF149 PPI subnetwork
ENSG00000134982	APC PPI subnetwork
GO:0031594	neuromuscular junction
ENSG00000162923	WDR26 PPI subnetwork
GO:0006413	translational initiation
ENSG00000163939	PBRM1 PPI subnetwork
ENSG00000206509	HLA-F PPI subnetwork
GO:0051340	regulation of ligase activity
GO:0030660	Golgi-associated vesicle membrane
ENSG00000103168	TAF1C PPI subnetwork
ENSG00000144285	SCN1A PPI subnetwork
GO:0000077	DNA damage checkpoint
ENSG00000177302	TOP3A PPI subnetwork
ENSG00000115163	CENPA PPI subnetwork
ENSG00000121083	DYNLL2 PPI subnetwork
GO:2000602	regulation of interphase of mitotic cell cycle
ENSG00000183023	SLC8A1 PPI subnetwork
ENSG00000112685	EXOC2 PPI subnetwork
GO:0016917	GABA receptor activity
ENSG00000085415	SEH1L PPI subnetwork
MP:0003862	decreased aggression towards males
GO:0005272	sodium channel activity
ENSG00000206282	RGL2 PPI subnetwork
ENSG00000206210	ENSG00000206210 PPI subnetwork
ENSG00000168959	GRM5 PPI subnetwork
ENSG00000162129	CLPB PPI subnetwork
GO:0021516	dorsal spinal cord development
GO:0050954	sensory perception of mechanical stimulus

GO:0051925	regulation of calcium ion transport via voltage-gated calcium c
MP:0001405	impaired coordination
ENSG00000095564	BTAF1 PPI subnetwork
ENSG00000105048	TNNT1 PPI subnetwork
GO:0017137	Rab GTPase binding
MP:0002608	increased hematocrit
GO:0005930	axoneme
GO:0072079	nephron tubule formation
ENSG00000076053	RBM7 PPI subnetwork
GO:0006337	nucleosome disassembly
GO:0031498	chromatin disassembly
GO:0032986	protein-DNA complex disassembly
MP:0000740	impaired smooth muscle contractility
ENSG00000168172	HOOK3 PPI subnetwork
GO:0010039	response to iron ion
MP:0005402	abnormal action potential
GO:0002715	regulation of natural killer cell mediated immunity
GO:0042269	regulation of natural killer cell mediated cytotoxicity
GO:0072528	pyrimidine-containing compound biosynthetic process
GO:0005868	cytoplasmic dynein complex
GO:0000083	regulation of transcription involved in G1/S phase of mitotic ce
GO:0001654	eye development
GO:0043292	contractile fiber
ENSG00000188687	SLC4A5 PPI subnetwork
ENSG00000111581	NUP107 PPI subnetwork
GO:0060590	ATPase regulator activity
GO:0032391	photoreceptor connecting cilium
MP:0009757	impaired behavioral response to morphine
ENSG00000156970	BUB1B PPI subnetwork
GO:0046640	regulation of alpha-beta T cell proliferation
ENSG00000213380	COG8 PPI subnetwork
ENSG00000138190	EXOC6 PPI subnetwork
GO:0006944	cellular membrane fusion
GO:0015078	hydrogen ion transmembrane transporter activity
GO:0016079	synaptic vesicle exocytosis
REACTOME_RNA_POLYMERASE_I_PROMOT	REACTOME_RNA_POLYMERASE_I_PROMOTER_CLEARANCE
MP:0004324	vestibular hair cell degeneration
GO:0034706	sodium channel complex
GO:0022904	respiratory electron transport chain
REACTOME_GABA_A_RECEPTOR_ACTIVATI	REACTOME_GABA_A_RECEPTOR_ACTIVATION
ENSG00000155130	MARCKS PPI subnetwork
GO:0050852	T cell receptor signaling pathway
ENSG00000136888	ATP6V1G1 PPI subnetwork
GO:0007530	sex determination
MP:0008456	abnormal retinal rod cell outer segment morphology
ENSG00000160014	CALM3 PPI subnetwork
ENSG00000143933	CALM2 PPI subnetwork
ENSG00000198668	CALM1 PPI subnetwork
GO:0045191	regulation of isotype switching
GO:0002478	antigen processing and presentation of exogenous peptide ant

GO:0007626	locomotory behavior
GO:0042552	myelination
GO:0002495	antigen processing and presentation of peptide antigen via MH
ENSG00000137825	ITPKA PPI subnetwork
ENSG00000108504	ENSG00000108504 PPI subnetwork
ENSG00000089250	NOS1 PPI subnetwork
GO:0006418	tRNA aminoacylation for protein translation
ENSG00000172053	QARS PPI subnetwork
REACTOME_PACKAGING_OF_TELOMERE_EI	REACTOME_PACKAGING_OF_TELOMERE_ENDS
ENSG00000168078	PBK PPI subnetwork
GO:0033151	V(D)J recombination
ENSG00000052723	SIKE1 PPI subnetwork
GO:0031954	positive regulation of protein autophosphorylation
GO:0006283	transcription-coupled nucleotide-excision repair
GO:0032412	regulation of ion transmembrane transporter activity
GO:0043039	tRNA aminoacylation
GO:0043038	amino acid activation
GO:0051924	regulation of calcium ion transport
ENSG00000101421	CHMP4B PPI subnetwork
GO:0022900	electron transport chain
GO:0055003	cardiac myofibril assembly
ENSG00000133398	MED10 PPI subnetwork
GO:0021984	adenohypophysis development
GO:0060337	type I interferon-mediated signaling pathway
GO:0071357	cellular response to type I interferon
GO:0043967	histone H4 acetylation
MP:0002980	abnormal postural reflex
ENSG00000130956	HABP4 PPI subnetwork
GO:0033108	mitochondrial respiratory chain complex assembly
GO:0007130	synaptonemal complex assembly
ENSG00000074266	EED PPI subnetwork
GO:0050851	antigen receptor-mediated signaling pathway
REACTOME_CYCLIN_AB1_ASSOCIATED_EVE	REACTOME_CYCLIN_AB1_ASSOCIATED_EVENTS_DURING_G2M
GO:0033043	regulation of organelle organization
GO:0006740	NADPH regeneration
KEGG_SNARE_INTERACTIONS_IN_VESICULA	KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT
GO:0030809	negative regulation of nucleotide biosynthetic process
GO:0030800	negative regulation of cyclic nucleotide metabolic process
GO:0030803	negative regulation of cyclic nucleotide biosynthetic process
GO:0034340	response to type I interferon
GO:0055067	monovalent inorganic cation homeostasis
REACTOME_GABA_RECEPTOR_ACTIVATION	REACTOME_GABA_RECEPTOR_ACTIVATION
GO:0070193	synaptonemal complex organization
GO:0005813	centrosome
GO:0051783	regulation of nuclear division
GO:0007088	regulation of mitosis
MP:0009454	impaired contextual conditioning behavior
GO:0048489	synaptic vesicle transport
GO:0006098	pentose-phosphate shunt
GO:0030815	negative regulation of cAMP metabolic process

GO:0030818	negative regulation of cAMP biosynthetic process
MP:0000812	abnormal dentate gyrus morphology
ENSG00000121152	NCAPH PPI subnetwork
GO:0042375	quinone cofactor metabolic process
GO:0050890	cognition
GO:0050808	synapse organization
REACTOME_TELOMERE_MAINTENANCE	REACTOME_TELOMERE_MAINTENANCE
GO:0008017	microtubule binding
MP:0004792	abnormal synaptic vesicle number
GO:0006414	translational elongation
GO:0032663	regulation of interleukin-2 production
MP:0006379	abnormal spermatocyte morphology
GO:0005881	cytoplasmic microtubule
GO:0007605	sensory perception of sound
ENSG00000078053	AMPH PPI subnetwork
GO:0045980	negative regulation of nucleotide metabolic process
GO:0033176	proton-transporting V-type ATPase complex
ENSG00000092054	MYH7 PPI subnetwork
GO:0008094	DNA-dependent ATPase activity
ENSG00000181072	CHRM2 PPI subnetwork
GO:0045076	regulation of interleukin-2 biosynthetic process
GO:0031341	regulation of cell killing
REACTOME_G:PROTEIN_MEDIATED_EVENT	REACTOME_G:PROTEIN_MEDIATED_EVENTS
MP:0005595	abnormal vascular smooth muscle physiology
REACTOME_ION_TRANSPORT_BY_P:TYPE_A	REACTOME_ION_TRANSPORT_BY_P:TYPE_ATPASES
GO:0032733	positive regulation of interleukin-10 production
GO:0006816	calcium ion transport
MP:0003729	abnormal photoreceptor outer segment morphology
MP:0001093	small trigeminal ganglion
GO:0007283	spermatogenesis
GO:0048232	male gamete generation
GO:0072511	divalent inorganic cation transport
GO:0000777	condensed chromosome kinetochore
ENSG00000030066	NUP160 PPI subnetwork
ENSG00000204592	HLA-E PPI subnetwork
GO:0015300	solute:solute antiporter activity
ENSG00000133318	RTN3 PPI subnetwork
GO:0022898	regulation of transmembrane transporter activity
ENSG00000198722	UNC13B PPI subnetwork
ENSG00000136653	RASSF5 PPI subnetwork
ENSG00000160783	PMF1 PPI subnetwork
GO:0030534	adult behavior
GO:0000718	nucleotide-excision repair, DNA damage removal
GO:0044349	DNA excision
GO:0051225	spindle assembly
GO:0070888	E-box binding
GO:0017119	Golgi transport complex
GO:0015278	calcium-release channel activity
ENSG00000142945	KIF2C PPI subnetwork
KEGG_ASTHMA	KEGG_ASTHMA

MP:0005253	abnormal eye physiology
REACTOME_INSULIN_SYNTHESIS_AND_PRC	REACTOME_INSULIN_SYNTHESIS_AND_PROCESSING
ENSG00000123066	MED13L PPI subnetwork
GO:0007093	mitotic cell cycle checkpoint
ENSG00000158402	CDC25C PPI subnetwork
GO:0070838	divalent metal ion transport
GO:0015631	tubulin binding
ENSG00000179051	RCC2 PPI subnetwork
MP:0009936	abnormal dendritic spine morphology
ENSG00000102893	PHKB PPI subnetwork
ENSG00000187239	FNBP1 PPI subnetwork
GO:0032715	negative regulation of interleukin-6 production
GO:0031570	DNA integrity checkpoint
GO:0009262	deoxyribonucleotide metabolic process
ENSG00000184117	NIPSNAP1 PPI subnetwork
GO:0017022	myosin binding
ENSG00000130816	DNMT1 PPI subnetwork
ENSG00000112237	CCNC PPI subnetwork
ENSG00000160551	TAOK1 PPI subnetwork
GO:0042734	presynaptic membrane
GO:0019228	regulation of action potential in neuron
GO:0000803	sex chromosome
ENSG00000125450	NUP85 PPI subnetwork
GO:0007193	adenylate cyclase-inhibiting G-protein coupled receptor signal
GO:0006119	oxidative phosphorylation
ENSG00000206440	NFKBIL1 PPI subnetwork
ENSG00000168593	ENSG00000168593 PPI subnetwork
GO:0004683	calmodulin-dependent protein kinase activity
REACTOME_MEIOSIS	REACTOME_MEIOSIS
ENSG00000131558	EXOC4 PPI subnetwork
ENSG00000168393	DTYMK PPI subnetwork
ENSG00000215694	ENSG00000215694 PPI subnetwork
ENSG00000096433	ITPR3 PPI subnetwork
GO:0000779	condensed chromosome, centromeric region
MP:0008050	decreased memory T cell number
ENSG00000153140	CETN3 PPI subnetwork
ENSG00000115252	PDE1A PPI subnetwork
GO:0006818	hydrogen transport
GO:0046902	regulation of mitochondrial membrane permeability
GO:0051310	metaphase plate congression
GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid se
GO:0006691	leukotriene metabolic process
GO:0043449	cellular alkene metabolic process
REACTOME_MITOTIC_PROMETAPHASE	REACTOME_MITOTIC_PROMETAPHASE
ENSG00000157087	ATP2B2 PPI subnetwork
MP:0001053	abnormal neuromuscular synapse morphology
ENSG00000163539	CLASP2 PPI subnetwork
GO:0071156	regulation of cell cycle arrest
REACTOME_RNA_POLYMERASE_I_CHAIN_E	REACTOME_RNA_POLYMERASE_I_CHAIN_ELONGATION
GO:0045454	cell redox homeostasis

GO:0021515	cell differentiation in spinal cord
ENSG00000157601	MX1 PPI subnetwork
ENSG00000171533	MAP6 PPI subnetwork
REACTOME_M_PHASE	REACTOME_M_PHASE
REACTOME_PLC_BETA_MEDIATED_EVENTS	REACTOME_PLC_BETA_MEDIATED_EVENTS
ENSG00000107282	APBA1 PPI subnetwork
GO:0030665	clathrin coated vesicle membrane
GO:0030017	sarcomere
ENSG00000077721	UBE2A PPI subnetwork
ENSG00000149782	PLCB3 PPI subnetwork
GO:0006260	DNA replication
GO:0060992	response to fungicide
MP:0001968	abnormal touch/ nociception
GO:0008366	axon ensheathment
GO:0007272	ensheathment of neurons
GO:0000775	chromosome, centromeric region
ENSG00000153207	AHCTF1 PPI subnetwork
GO:0006302	double-strand break repair
GO:0005891	voltage-gated calcium channel complex
GO:0000977	RNA polymerase II regulatory region sequence-specific DNA bi
ENSG00000123562	MORF4L2 PPI subnetwork
GO:0006360	transcription from RNA polymerase I promoter
ENSG00000061676	NCKAP1 PPI subnetwork
GO:2000311	regulation of alpha-amino-3-hydroxy-5-methyl-4-isoxazole prc
ENSG00000081248	CACNA1S PPI subnetwork
GO:0044462	external encapsulating structure part
GO:0030313	cell envelope
GO:2000104	negative regulation of DNA-dependent DNA replication
ENSG00000099246	RAB18 PPI subnetwork
ENSG00000163159	VPS72 PPI subnetwork
ENSG00000152556	PFKM PPI subnetwork
ENSG00000117399	CDC20 PPI subnetwork
ENSG00000198612	COPS8 PPI subnetwork
GO:0042787	protein ubiquitination involved in ubiquitin-dependent proteir
GO:0008556	potassium-transporting ATPase activity
ENSG00000120254	MTHFD1L PPI subnetwork
GO:0003208	cardiac ventricle morphogenesis
GO:0007616	long-term memory
GO:0006312	mitotic recombination
ENSG00000108312	UBTF PPI subnetwork
GO:0032461	positive regulation of protein oligomerization
GO:0060041	retina development in camera-type eye
ENSG00000004700	RECQL PPI subnetwork
GO:0051052	regulation of DNA metabolic process
GO:0051053	negative regulation of DNA metabolic process
REACTOME_TRANSMISSION_ACROSS_CHEN	REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES
GO:0060134	prepulse inhibition
ENSG00000178999	AURKB PPI subnetwork
GO:0042481	regulation of odontogenesis
GO:0045086	positive regulation of interleukin-2 biosynthetic process

GO:0043195	terminal button
ENSG00000125814	NAPB PPI subnetwork
GO:0016469	proton-transporting two-sector ATPase complex
GO:0043968	histone H2A acetylation
GO:0042220	response to cocaine
GO:0014073	response to tropane
GO:0015812	gamma-aminobutyric acid transport
GO:0021895	cerebral cortex neuron differentiation
GO:0016459	myosin complex
GO:0042026	protein refolding
GO:0016339	calcium-dependent cell-cell adhesion
ENSG00000143498	TAF1A PPI subnetwork
GO:0044449	contractile fiber part
ENSG00000171603	CLSTN1 PPI subnetwork
GO:0006891	intra-Golgi vesicle-mediated transport
GO:0008376	acetylgalactosaminyltransferase activity
GO:0048592	eye morphogenesis
GO:0010972	negative regulation of G2/M transition of mitotic cell cycle
ENSG00000119048	UBE2B PPI subnetwork
ENSG00000198785	GRIN3A PPI subnetwork
ENSG00000132334	PTPRE PPI subnetwork
GO:0043244	regulation of protein complex disassembly
GO:0043269	regulation of ion transport
ENSG00000084733	RAB10 PPI subnetwork
ENSG00000151067	CACNA1C PPI subnetwork
MP:0002906	increased susceptibility to pharmacologically induced seizures
GO:0009954	proximal/distal pattern formation
MP:0002920	decreased paired-pulse facilitation
GO:0000722	telomere maintenance via recombination
ENSG00000182621	PLCB1 PPI subnetwork
GO:0043198	dendritic shaft
ENSG00000130758	MAP3K10 PPI subnetwork
ENSG00000179915	NRXN1 PPI subnetwork
GO:0006362	transcription elongation from RNA polymerase I promoter
GO:0045744	negative regulation of G-protein coupled receptor protein sign
GO:0016247	channel regulator activity
GO:0016574	histone ubiquitination
GO:0043601	nuclear replisome
GO:0030894	replisome
REACTOME_CLASS_C3_METABOTROPIC_GL	REACTOME_CLASS_C3_METABOTROPIC_GLUTAMATEPHEROM
GO:0030239	myofibril assembly
REACTOME_SYNTHESIS_AND_INTERCONVE	REACTOME_SYNTHESIS_AND_INTERCONVERSION_OF_NUCLE(
GO:0046415	urate metabolic process
GO:0006297	nucleotide-excision repair, DNA gap filling
GO:0001750	photoreceptor outer segment
GO:0045843	negative regulation of striated muscle tissue development
GO:0007611	learning or memory
ENSG00000135338	LCA5 PPI subnetwork
MP:0002272	abnormal nervous system electrophysiology
GO:0007608	sensory perception of smell

GO:0040001	establishment of mitotic spindle localization
GO:0030312	external encapsulating structure
ENSG00000047056	WDR37 PPI subnetwork
GO:0005815	microtubule organizing center
GO:0048485	sympathetic nervous system development
REACTOME_VOLTAGE_GATED_POTASSIUM	REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNELS
GO:0001508	regulation of action potential
GO:0007338	single fertilization
ENSG00000036257	CUL3 PPI subnetwork
ENSG00000106089	STX1A PPI subnetwork
ENSG00000170624	SGCD PPI subnetwork
MP:0003732	abnormal retinal outer plexiform layer morphology
GO:0006275	regulation of DNA replication
GO:0042775	mitochondrial ATP synthesis coupled electron transport
GO:0042773	ATP synthesis coupled electron transport
GO:0021527	spinal cord association neuron differentiation
GO:0048167	regulation of synaptic plasticity
GO:0015074	DNA integration
ENSG00000159164	SV2A PPI subnetwork
GO:0032653	regulation of interleukin-10 production
GO:0051297	centrosome organization
GO:0005245	voltage-gated calcium channel activity
GO:0070192	chromosome organization involved in meiosis
ENSG00000158022	TRIM63 PPI subnetwork
GO:0002228	natural killer cell mediated immunity
GO:0042267	natural killer cell mediated cytotoxicity
GO:0007129	synapsis
GO:0090307	spindle assembly involved in mitosis
GO:0003207	cardiac chamber formation
ENSG00000075711	DLG1 PPI subnetwork
GO:0006363	termination of RNA polymerase I transcription
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
GO:0051325	interphase
GO:0031032	actomyosin structure organization
ENSG00000181790	BAI1 PPI subnetwork
GO:0005523	tropomyosin binding
GO:0004984	olfactory receptor activity
ENSG00000078018	MAP2 PPI subnetwork
ENSG00000106665	CLIP2 PPI subnetwork
GO:0050804	regulation of synaptic transmission
ENSG00000182473	EXOC7 PPI subnetwork
ENSG00000100479	POLE2 PPI subnetwork
GO:0000076	DNA replication checkpoint
ENSG00000173786	CNP PPI subnetwork
ENSG00000101367	MAPRE1 PPI subnetwork
ENSG00000143228	NUF2 PPI subnetwork
GO:0001914	regulation of T cell mediated cytotoxicity
GO:0001975	response to amphetamine
GO:0016573	histone acetylation
ENSG00000164104	HMGB2 PPI subnetwork

GO:0051494	negative regulation of cytoskeleton organization
REACTOME_CREB_PHOSPHORYLATION_THI	REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTI
ENSG00000108852	MPP2 PPI subnetwork
GO:0016272	prefoldin complex
ENSG00000152208	GRID2 PPI subnetwork
ENSG00000162367	TAL1 PPI subnetwork
REACTOME_INTERACTION_BETWEEN_L1_A	REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS
GO:0007098	centrosome cycle
ENSG00000196154	S100A4 PPI subnetwork
ENSG00000058668	ATP2B4 PPI subnetwork
GO:0008307	structural constituent of muscle
GO:0043044	ATP-dependent chromatin remodeling
GO:0045851	pH reduction
ENSG00000108823	SGCA PPI subnetwork
ENSG00000115942	ORC2 PPI subnetwork
GO:0016010	dystrophin-associated glycoprotein complex
ENSG00000138032	PPM1B PPI subnetwork
ENSG00000115540	MOB4 PPI subnetwork
GO:0050000	chromosome localization
GO:0051303	establishment of chromosome localization
GO:0043966	histone H3 acetylation
GO:0031023	microtubule organizing center organization
ENSG00000198728	LDB1 PPI subnetwork
GO:0002312	B cell activation involved in immune response
ENSG00000153044	CENPH PPI subnetwork
KEGG_TYPE_I_DIABETES_MELLITUS	KEGG_TYPE_I_DIABETES_MELLITUS
GO:0005876	spindle microtubule
MP:0009414	skeletal muscle fiber necrosis
ENSG00000074201	CLNS1A PPI subnetwork
ENSG00000138741	TRPC3 PPI subnetwork
GO:0010927	cellular component assembly involved in morphogenesis
GO:0031514	motile cilium
ENSG00000067836	ROGDI PPI subnetwork
ENSG00000130429	ARPC1B PPI subnetwork
GO:0009434	microtubule-based flagellum
ENSG00000125354	SEPT6 PPI subnetwork
ENSG00000100401	RANGAP1 PPI subnetwork
ENSG00000068796	KIF2A PPI subnetwork
MP:0004021	abnormal rod electrophysiology
ENSG00000089685	BIRC5 PPI subnetwork
MP:0004008	abnormal GABA-mediated receptor currents
ENSG00000163535	SGOL2 PPI subnetwork
GO:0008277	regulation of G-protein coupled receptor protein signaling pat
GO:0031513	nonmotile primary cilium
ENSG00000145864	GABRB2 PPI subnetwork
GO:0046873	metal ion transmembrane transporter activity
GO:0072384	organelle transport along microtubule
GO:0007606	sensory perception of chemical stimulus
GO:0015992	proton transport
GO:0019884	antigen processing and presentation of exogenous antigen

ENSG00000149925	ALDOA PPI subnetwork
ENSG00000137672	TRPC6 PPI subnetwork
GO:0008344	adult locomotory behavior
ENSG00000108231	LGI1 PPI subnetwork
GO:0006361	transcription initiation from RNA polymerase I promoter
REACTOME_NUCLEOSOME_ASSEMBLY	REACTOME_NUCLEOSOME_ASSEMBLY
REACTOME_DEPOSITION_OF_NEW_CENPA	REACTOME_DEPOSITION_OF_NEW_CENPA:CONTAINING_NUC
GO:0050803	regulation of synapse structure and activity
GO:0006310	DNA recombination
ENSG00000186051	TAL2 PPI subnetwork
MP:0004543	abnormal sperm physiology
ENSG00000135363	LMO2 PPI subnetwork
KEGG_OOCYTE_MEIOSIS	KEGG_OOCYTE_MEIOSIS
GO:0000075	cell cycle checkpoint
GO:0007194	negative regulation of adenylate cyclase activity
GO:0031280	negative regulation of cyclase activity
GO:0006301	postreplication repair
ENSG00000121621	KIF18A PPI subnetwork
GO:0050806	positive regulation of synaptic transmission
GO:0006120	mitochondrial electron transport, NADH to ubiquinone
GO:0004653	polypeptide N-acetylgalactosaminyltransferase activity
GO:0003774	motor activity
GO:0006814	sodium ion transport
MP:0001469	abnormal contextual conditioning behavior
GO:0047496	vesicle transport along microtubule
ENSG00000106305	AIMP2 PPI subnetwork
GO:0030018	Z disc
ENSG00000141200	KIF2B PPI subnetwork
GO:0051899	membrane depolarization
GO:0051350	negative regulation of lyase activity
GO:0051329	interphase of mitotic cell cycle
GO:0000380	alternative nuclear mRNA splicing, via spliceosome
REACTOME_MEIOTIC_RECOMBINATION	REACTOME_MEIOTIC_RECOMBINATION
ENSG00000138081	FBXO11 PPI subnetwork
GO:0005669	transcription factor TFIID complex
GO:0034728	nucleosome organization
ENSG00000138758	SEPT11 PPI subnetwork
GO:0030574	collagen catabolic process
GO:0007271	synaptic transmission, cholinergic
GO:0007612	learning
ENSG00000072864	NDE1 PPI subnetwork
GO:0050807	regulation of synapse organization
ENSG00000120334	CENPL PPI subnetwork
GO:0001913	T cell mediated cytotoxicity
GO:0010970	microtubule-based transport
MP:0000749	muscle degeneration
GO:0022890	inorganic cation transmembrane transporter activity
GO:0015669	gas transport
ENSG00000163527	STT3B PPI subnetwork
GO:0007416	synapse assembly

ENSG00000174442	ZWILCH PPI subnetwork
GO:0004385	guanylate kinase activity
GO:0015988	energy coupled proton transport, against electrochemical grad
GO:0015991	ATP hydrolysis coupled proton transport
GO:0033555	multicellular organismal response to stress
GO:0043486	histone exchange
GO:0019783	small conjugating protein-specific protease activity
GO:0006885	regulation of pH
GO:0033205	cell cycle cytokinesis
GO:0006968	cellular defense response
GO:0001909	leukocyte mediated cytotoxicity
ENSG00000176788	BASP1 PPI subnetwork
GO:0003211	cardiac ventricle formation
MP:0000473	abnormal stomach glandular epithelium morphology
ENSG00000165868	HSPA12A PPI subnetwork
GO:0048302	regulation of isotype switching to IgG isotypes
GO:0031497	chromatin assembly
GO:0019370	leukotriene biosynthetic process
GO:0043450	alkene biosynthetic process
ENSG00000070808	CAMK2A PPI subnetwork
MP:0001475	reduced long term depression
GO:0044441	cilium part
GO:0002437	inflammatory response to antigenic stimulus
GO:0030705	cytoskeleton-dependent intracellular transport
ENSG00000082458	DLG3 PPI subnetwork
GO:0050909	sensory perception of taste
GO:0032613	interleukin-10 production
GO:0032201	telomere maintenance via semi-conservative replication
GO:0003215	cardiac right ventricle morphogenesis
GO:0000776	kinetochore
GO:0038032	termination of G-protein coupled receptor signaling pathway
ENSG00000079819	EPB41L2 PPI subnetwork
ENSG00000180104	EXOC3 PPI subnetwork
ENSG00000031691	CENPQ PPI subnetwork
ENSG00000002822	MAD1L1 PPI subnetwork
ENSG00000188312	CENPP PPI subnetwork
ENSG00000100162	CENPM PPI subnetwork
GO:0035249	synaptic transmission, glutamatergic
GO:0008536	Ran GTPase binding
GO:0006749	glutathione metabolic process
GO:0045132	meiotic chromosome segregation
MP:0002914	abnormal endplate potential
ENSG00000066248	NGEF PPI subnetwork
ENSG00000071794	HLTF PPI subnetwork
ENSG00000184445	KNTC1 PPI subnetwork
GO:0000301	retrograde transport, vesicle recycling within Golgi
GO:0010822	positive regulation of mitochondrion organization
GO:0033267	axon part
ENSG00000006451	RALA PPI subnetwork
GO:0050885	neuromuscular process controlling balance

ENSG00000154839	SKA1 PPI subnetwork
GO:0006333	chromatin assembly or disassembly
GO:0060219	camera-type eye photoreceptor cell differentiation
GO:0050911	detection of chemical stimulus involved in sensory perception
GO:0006271	DNA strand elongation involved in DNA replication
ENSG00000104863	LIN7B PPI subnetwork
ENSG00000175279	APITD1 PPI subnetwork
GO:0007059	chromosome segregation
GO:0015464	acetylcholine receptor activity
ENSG00000102384	CENPI PPI subnetwork
ENSG00000139116	KIF21A PPI subnetwork
ENSG00000006740	ARHGAP44 PPI subnetwork
GO:0040036	regulation of fibroblast growth factor receptor signaling pathw
ENSG00000100241	SBF1 PPI subnetwork
ENSG00000076554	TPD52 PPI subnetwork
GO:0003777	microtubule motor activity
GO:0022616	DNA strand elongation
GO:0021781	glial cell fate commitment
ENSG00000134690	CDCA8 PPI subnetwork
ENSG00000138092	CENPO PPI subnetwork
GO:0007029	endoplasmic reticulum organization
GO:0042423	catecholamine biosynthetic process
GO:0009713	catechol-containing compound biosynthetic process
GO:0034312	diol biosynthetic process
GO:0050881	musculoskeletal movement
GO:0050879	multicellular organismal movement
GO:0002200	somatic diversification of immune receptors
GO:0001964	startle response
ENSG00000204133	ENSG00000204133 PPI subnetwork
GO:0034453	microtubule anchoring
ENSG00000164402	SEPT8 PPI subnetwork
GO:0004843	ubiquitin-specific protease activity
ENSG00000169139	UBE2V2 PPI subnetwork
ENSG00000198838	RYR3 PPI subnetwork
ENSG00000186871	ERCC6L PPI subnetwork
GO:0034765	regulation of ion transmembrane transport
ENSG00000137812	CASC5 PPI subnetwork
ENSG00000171848	RRM2 PPI subnetwork
GO:0008328	ionotropic glutamate receptor complex
GO:0051321	meiotic cell cycle
ENSG00000113327	GABRG2 PPI subnetwork
GO:0010564	regulation of cell cycle process
GO:0006942	regulation of striated muscle contraction
GO:0071103	DNA conformation change
GO:0010639	negative regulation of organelle organization
ENSG00000161888	SPC24 PPI subnetwork
ENSG00000126583	PRKCG PPI subnetwork
ENSG00000025772	TOMM34 PPI subnetwork
ENSG00000152253	SPC25 PPI subnetwork
REACTOME_OLFACTORY_SIGNALING_PATH	REACTOME_OLFACTORY_SIGNALING_PATHWAY

ENSG00000138778	CENPE PPI subnetwork
ENSG00000122952	ZWINT PPI subnetwork
GO:0051327	M phase of meiotic cell cycle
GO:0007126	meiosis
ENSG00000080986	NDC80 PPI subnetwork
REACTOME_RAS_ACTIVATION_UOPN_CA2_	REACTOME_RAS_ACTIVATION_UOPN_CA2_INFUX_THROUGH_
ENSG00000129810	SGOL1 PPI subnetwork
ENSG00000196792	STRN3 PPI subnetwork
ENSG00000089169	RPH3A PPI subnetwork
ENSG00000037042	TUBG2 PPI subnetwork
GO:0005874	microtubule
GO:0051261	protein depolymerization
GO:0003012	muscle system process
ENSG00000166451	CENPN PPI subnetwork
ENSG00000120438	TCP1 PPI subnetwork
GO:0002381	immunoglobulin production involved in immunoglobulin medi
GO:0004970	ionotropic glutamate receptor activity
ENSG00000117697	NSL1 PPI subnetwork
GO:0007052	mitotic spindle organization
GO:0014048	regulation of glutamate secretion
ENSG00000196218	RYR1 PPI subnetwork
ENSG00000065057	NTHL1 PPI subnetwork
GO:0005819	spindle
GO:0051606	detection of stimulus
GO:0023021	termination of signal transduction
GO:0071805	potassium ion transmembrane transport
GO:0071804	cellular potassium ion transport
GO:0030425	dendrite
ENSG00000102901	CENPT PPI subnetwork
GO:0007026	negative regulation of microtubule depolymerization
GO:0070936	protein K48-linked ubiquitination
ENSG00000167842	MIS12 PPI subnetwork
ENSG00000149636	DSN1 PPI subnetwork
GO:0048291	isotype switching to IgG isotypes
GO:0046605	regulation of centrosome cycle
ENSG00000080802	CNOT4 PPI subnetwork
ENSG00000162613	FUBP1 PPI subnetwork
GO:0001578	microtubule bundle formation
GO:0019861	flagellum
REACTOME_LIGAND:GATED_ION_CHANNEL	REACTOME_LIGAND:GATED_ION_CHANNEL_TRANSPORT
GO:0009584	detection of visible light
MP:0000752	dystrophic muscle
GO:0005234	extracellular-glutamate-gated ion channel activity
KEGG_PHOSPHATIDYLINOSITOL_SIGNALING	KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM
ENSG00000155657	TTN PPI subnetwork
ENSG00000105514	RAB3D PPI subnetwork
ENSG00000100503	NIN PPI subnetwork
GO:0044243	multicellular organismal catabolic process
ENSG00000149970	CNKSR2 PPI subnetwork
GO:0000082	G1/S transition of mitotic cell cycle

ENSG00000102109	PCSK1N PPI subnetwork
ENSG00000123219	CENPK PPI subnetwork
ENSG00000100167	SEPT3 PPI subnetwork
MP:0009456	impaired cued conditioning behavior
GO:0034704	calcium channel complex
GO:0033180	proton-transporting V-type ATPase, V1 domain
GO:0035326	enhancer binding
GO:0015698	inorganic anion transport
GO:0072372	primary cilium
GO:0006323	DNA packaging
GO:0031674	I band
GO:0000381	regulation of alternative nuclear mRNA splicing, via spliceoson
GO:0005875	microtubule associated complex
GO:0070588	calcium ion transmembrane transport
ENSG00000087302	C14orf166 PPI subnetwork
ENSG00000038274	MAT2B PPI subnetwork
MP:0004405	absent cochlear hair cells
GO:0051054	positive regulation of DNA metabolic process
GO:0000018	regulation of DNA recombination
GO:0030288	outer membrane-bounded periplasmic space
GO:0042597	periplasmic space
ENSG00000165023	DIRAS2 PPI subnetwork
GO:0030672	synaptic vesicle membrane
ENSG00000152822	GRM1 PPI subnetwork
ENSG00000108387	SEPT4 PPI subnetwork
ENSG00000065427	KARS PPI subnetwork
ENSG00000151725	MLF1IP PPI subnetwork
GO:0044447	axoneme part
ENSG00000184702	SEPT5 PPI subnetwork
ENSG00000155111	CDK19 PPI subnetwork
ENSG00000136854	STXBP1 PPI subnetwork
REACTOME_KINESINS	REACTOME_KINESINS
ENSG00000126785	RHOJ PPI subnetwork
GO:0030496	midbody
GO:0000070	mitotic sister chromatid segregation
GO:0042693	muscle cell fate commitment
GO:0051932	synaptic transmission, GABAergic
ENSG00000168118	RAB4A PPI subnetwork
REACTOME_POST_NMDA_RECEPTOR_ACTI	REACTOME_POST_NMDA_RECEPTOR_ACTIVATION_EVENTS
REACTOME_POTASSIUM_CHANNELS	REACTOME_POTASSIUM_CHANNELS
ENSG00000120910	PPP3CC PPI subnetwork
GO:0016447	somatic recombination of immunoglobulin gene segments
GO:0000045	autophagic vacuole assembly
GO:0051313	attachment of spindle microtubules to chromosome
GO:0016236	macroautophagy
GO:0008306	associative learning
MP:0002106	abnormal muscle physiology
GO:0006334	nucleosome assembly
ENSG00000172794	RAB37 PPI subnetwork
GO:0048935	peripheral nervous system neuron development

GO:0048934	peripheral nervous system neuron differentiation
GO:0006821	chloride transport
ENSG00000092964	DPYSL2 PPI subnetwork
GO:0007018	microtubule-based movement
ENSG00000108828	VAT1 PPI subnetwork
ENSG00000164076	CAMKV PPI subnetwork
ENSG00000164022	AIMP1 PPI subnetwork
GO:0007628	adult walking behavior
GO:0007156	homophilic cell adhesion
GO:0007131	reciprocal meiotic recombination
GO:0035825	reciprocal DNA recombination
GO:0043197	dendritic spine
GO:0044309	neuron spine
GO:0033178	proton-transporting two-sector ATPase complex, catalytic don
ENSG00000167461	RAB8A PPI subnetwork
KEGG_REGULATION_OF_AUTOPHAGY	KEGG_REGULATION_OF_AUTOPHAGY
GO:0007210	serotonin receptor signaling pathway
ENSG00000171723	GPHN PPI subnetwork
ENSG00000180190	C8orf42 PPI subnetwork
GO:0070646	protein modification by small protein removal
ENSG00000101150	TPD52L2 PPI subnetwork
ENSG00000092470	WDR76 PPI subnetwork
GO:0006298	mismatch repair
GO:0008156	negative regulation of DNA replication
KEGG_LONG_TERM_POTENTIATION	KEGG_LONG_TERM_POTENTIATION
ENSG00000070961	ATP2B1 PPI subnetwork
GO:0048168	regulation of neuronal synaptic plasticity
ENSG00000196872	C2orf55 PPI subnetwork
REACTOME_UNBLOCKING_OF_NMDA_RECI	REACTOME_UNBLOCKING_OF_NMDA_RECEPTOR_GLUTAMAT
ENSG00000139998	RAB15 PPI subnetwork
GO:0006266	DNA ligation
GO:0008608	attachment of spindle microtubules to kinetochore
GO:0042596	fear response
ENSG00000112379	KIAA1244 PPI subnetwork
MP:0001454	abnormal cued conditioning behavior
GO:0043679	axon terminus
GO:0007214	gamma-aminobutyric acid signaling pathway
GO:0005231	excitatory extracellular ligand-gated ion channel activity
GO:0032982	myosin filament
MP:0003730	abnormal photoreceptor inner segment morphology
ENSG00000139433	GLTP PPI subnetwork
ENSG00000163462	TRIM46 PPI subnetwork
ENSG00000007168	PAFAH1B1 PPI subnetwork
ENSG00000133083	DCLK1 PPI subnetwork
ENSG00000116852	KIF21B PPI subnetwork
GO:0006936	muscle contraction
ENSG00000169213	RAB3B PPI subnetwork
GO:0045190	isotype switching
GO:0002204	somatic recombination of immunoglobulin genes involved in i
GO:0002208	somatic diversification of immunoglobulins involved in immun

ENSG00000134444	KIAA1468 PPI subnetwork
GO:0006941	striated muscle contraction
GO:0045745	positive regulation of G-protein coupled receptor protein signa
ENSG00000063601	MTMR1 PPI subnetwork
GO:0050905	neuromuscular process
ENSG00000102683	SGCG PPI subnetwork
GO:0001158	enhancer sequence-specific DNA binding
ENSG00000186230	ZNF749 PPI subnetwork
GO:0005859	muscle myosin complex
GO:0008088	axon cargo transport
ENSG00000115760	BIRC6 PPI subnetwork
MP:0008585	absent photoreceptor outer segment
GO:0000819	sister chromatid segregation
ENSG00000103740	ACSBG1 PPI subnetwork
GO:0007270	neuron-neuron synaptic transmission
GO:0031111	negative regulation of microtubule polymerization or depolym
GO:0008542	visual learning
GO:0016444	somatic cell DNA recombination
GO:0002562	somatic diversification of immune receptors via germline reco
GO:0071824	protein-DNA complex subunit organization
GO:0015949	nucleobase-containing small molecule interconversion
GO:0000226	microtubule cytoskeleton organization
KEGG_CARDIAC_MUSCLE_CONTRACTION	KEGG_CARDIAC_MUSCLE_CONTRACTION
GO:0007632	visual behavior
ENSG00000166579	NDEL1 PPI subnetwork
GO:0010389	regulation of G2/M transition of mitotic cell cycle
ENSG00000101306	MYLK2 PPI subnetwork
GO:0031110	regulation of microtubule polymerization or depolymerization
ENSG00000198947	DMD PPI subnetwork
ENSG00000145349	CAMK2D PPI subnetwork
ENSG00000008869	HEATR5B PPI subnetwork
ENSG00000070950	RAD18 PPI subnetwork
ENSG00000152413	HOMER1 PPI subnetwork
ENSG00000136044	APPL2 PPI subnetwork
GO:0032228	regulation of synaptic transmission, GABAergic
GO:0031109	microtubule polymerization or depolymerization
REACTOME_NEURONAL_SYSTEM	REACTOME_NEURONAL_SYSTEM
GO:0044327	dendritic spine head
GO:0014069	postsynaptic density
GO:0071436	sodium ion export
ENSG00000133812	SBF2 PPI subnetwork
GO:0016471	vacuolar proton-transporting V-type ATPase complex
ENSG00000123360	PDE1B PPI subnetwork
ENSG00000100321	SYNGR1 PPI subnetwork
ENSG00000129990	SYT5 PPI subnetwork
ENSG00000171724	VAT1L PPI subnetwork
MP:0001052	abnormal muscle innervation
ENSG00000148297	MED22 PPI subnetwork
GO:0035725	sodium ion transmembrane transport
GO:0031114	regulation of microtubule depolymerization

GO:0015077	monovalent inorganic cation transmembrane transporter activ
GO:0030048	actin filament-based movement
GO:0031290	retinal ganglion cell axon guidance
MP:0003635	abnormal synaptic transmission
GO:0033522	histone H2A ubiquitination
ENSG00000138308	PLA2G12B PPI subnetwork
GO:0065004	protein-DNA complex assembly
GO:0009416	response to light stimulus
GO:0005262	calcium channel activity
GO:0007017	microtubule-based process
ENSG00000162511	LAPTM5 PPI subnetwork
GO:0051983	regulation of chromosome segregation
GO:0035176	social behavior
ENSG00000143858	SYT2 PPI subnetwork
ENSG00000188386	PPP3R2 PPI subnetwork
GO:0070925	organelle assembly
GO:0051966	regulation of synaptic transmission, glutamatergic
REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS	REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS
GO:0003407	neural retina development
ENSG00000090273	NUDC PPI subnetwork
REACTOME_ACTIVATION_OF_KAINATE_REC	REACTOME_ACTIVATION_OF_KAINATE_RECEPTORS_UPON_G
GO:0016460	myosin II complex
GO:0050906	detection of stimulus involved in sensory perception
ENSG00000101333	PLCB4 PPI subnetwork
GO:0034080	CenH3-containing nucleosome assembly at centromere
GO:0034724	DNA replication-independent nucleosome organization
GO:0006336	DNA replication-independent nucleosome assembly
ENSG00000214826	ENSG00000214826 PPI subnetwork
ENSG00000111788	ENSG00000111788 PPI subnetwork
GO:0016579	protein deubiquitination
GO:0007603	phototransduction, visible light
GO:0005230	extracellular ligand-gated ion channel activity
GO:0032467	positive regulation of cytokinesis
GO:0008066	glutamate receptor activity
GO:0046530	photoreceptor cell differentiation
ENSG00000163069	SGCB PPI subnetwork
GO:0031055	chromatin remodeling at centromere
GO:0070252	actin-mediated cell contraction
GO:0005929	cilium
ENSG00000148660	CAMK2G PPI subnetwork
GO:0002209	behavioral defense response
REACTOME_NEUROTRANSMITTER_RECEPT	REACTOME_NEUROTRANSMITTER_RECEPTOR_BINDING_AND_
GO:0042461	photoreceptor cell development
GO:0007051	spindle organization
GO:0031432	titin binding
GO:0009581	detection of external stimulus
GO:0080008	CUL4 RING ubiquitin ligase complex
GO:0048285	organelle fission
MP:0003008	enhanced long term potentiation
GO:0007158	neuron cell-cell adhesion

GO:0000236	mitotic prometaphase
ENSG00000013573	DDX11 PPI subnetwork
GO:0008340	determination of adult lifespan
GO:0044306	neuron projection terminus
GO:0045202	synapse
GO:0032279	asymmetric synapse
REACTOME_ACTIVATION_OF_NMDA_RECEI	REACTOME_ACTIVATION_OF_NMDA_RECEPTOR_UPON_GLUT
GO:0070507	regulation of microtubule cytoskeleton organization
GO:0042391	regulation of membrane potential
GO:0032886	regulation of microtubule-based process
GO:0007067	mitosis
GO:0000280	nuclear division
GO:0005267	potassium channel activity
REACTOME_ION_CHANNEL_TRANSPORT	REACTOME_ION_CHANNEL_TRANSPORT
GO:0044456	synapse part
ENSG00000105649	RAB3A PPI subnetwork
GO:0006893	Golgi to plasma membrane transport
GO:0015672	monovalent inorganic cation transport
GO:0000087	M phase of mitotic cell cycle
ENSG00000150995	ITPR1 PPI subnetwork
GO:0010165	response to X-ray
GO:0042462	eye photoreceptor cell development
GO:0005244	voltage-gated ion channel activity
GO:0022832	voltage-gated channel activity
GO:0001662	behavioral fear response
ENSG00000134072	CAMK1 PPI subnetwork
GO:0030049	muscle filament sliding
GO:0033275	actin-myosin filament sliding
GO:0007019	microtubule depolymerization
GO:0016776	phosphotransferase activity, phosphate group as acceptor
GO:0060078	regulation of postsynaptic membrane potential
ENSG00000115953	ENSG00000115953 PPI subnetwork
GO:0048169	regulation of long-term neuronal synaptic plasticity
ENSG00000067715	SYT1 PPI subnetwork
GO:0000279	M phase
GO:0007600	sensory perception
GO:0032465	regulation of cytokinesis
GO:0001539	ciliary or flagellar motility
GO:0005249	voltage-gated potassium channel activity
ENSG00000058404	CAMK2B PPI subnetwork
GO:0001754	eye photoreceptor cell differentiation
GO:0051301	cell division
MP:0001006	abnormal retinal cone cell morphology
GO:0060079	regulation of excitatory postsynaptic membrane potential
GO:0043954	cellular component maintenance
GO:0000910	cytokinesis
GO:0008076	voltage-gated potassium channel complex
GO:0034705	potassium channel complex
GO:0015079	potassium ion transmembrane transporter activity
GO:0006813	potassium ion transport

GO:0007213	G-protein coupled acetylcholine receptor signaling pathway
GO:0097060	synaptic membrane
GO:0045494	photoreceptor cell maintenance
GO:0050953	sensory perception of light stimulus
GO:0022843	voltage-gated cation channel activity
GO:0022803	passive transmembrane transporter activity
GO:0015267	channel activity
KEGG_OLFACTORY_TRANSDUCTION	KEGG_OLFACTORY_TRANSDUCTION
GO:0005216	ion channel activity
GO:0022838	substrate-specific channel activity
GO:0007601	visual perception
GO:0009583	detection of light stimulus
GO:0045211	postsynaptic membrane
GO:0007602	phototransduction
GO:0034220	ion transmembrane transport
GO:0005261	cation channel activity
GO:0009582	detection of abiotic stimulus
GO:0034702	ion channel complex
GO:0015276	ligand-gated ion channel activity
GO:0022834	ligand-gated channel activity
GO:0034703	cation channel complex
GO:0022836	gated channel activity
REACTOME_ACTIVATION_OF_CA:PERMEAB	REACTOME_ACTIVATION_OF_CA:PERMEABLE_KAINATE_RECE
REACTOME_IONOTROPIC_ACTIVITY_OF_KA	REACTOME_IONOTROPIC_ACTIVITY_OF_KAINATE_RECEPTORS
GO:0007215	glutamate receptor signaling pathway

ıificant (P2df < 5×10-8) Triglycerides loci

ɔcores across identified loci using mean and standard deviation for the sum of z scores d
ɛscribed in detail in Pers et al. NatComm 2015.

Nominal P value	False discovery rate	Reconstituted gene set Z score gene 1	Reconstituted gene set Z score gene 2	Reconstituted gene set Z score gene 3
7.47E-09	**<0.01**	TAGLN (4.4)	ANGPTL4 (3.5)	C19orf80 (3.4)
2.76E-08	**<0.01**	TM6SF2 (5.2)	APOA5 (5.0)	APOC4 (5.0)
8.90E-08	**<0.01**	APOB (4.8)	APOA4 (4.8)	APOC3 (4.4)
1.09E-07	**<0.01**	MLXIPL (6.3)	C19orf80 (4.9)	APOB (4.4)
1.21E-07	**<0.01**	LPA (5.5)	APOC4 (5.3)	ANGPTL3 (5.1)
1.47E-07	**<0.01**	PPY (9.0)	MLXIPL (4.7)	PYY (3.5)
3.02E-07	**<0.01**	APOC3 (6.4)	APOA4 (6.4)	APOA1 (5.9)
3.32E-07	**<0.01**	F2 (3.3)	SDC1 (3.3)	C1orf172 (3.3)
3.94E-07	**<0.01**	VEGFA (4.7)	ABCA1 (3.8)	CBLC (2.9)
5.14E-07	**<0.01**	C19orf80 (5.6)	MLXIPL (5.4)	APOC3 (5.3)
6.28E-07	**<0.01**	VEGFA (3.9)	ARID1A (3.3)	KDM3A (2.3)
6.37E-07	**<0.01**	APOC3 (8.0)	APOA4 (7.8)	APOB (7.3)
7.37E-07	**<0.01**	APOC1 (4.3)	CTSB (4.3)	APOE (3.3)
7.63E-07	**<0.01**	LPL (5.7)	APOA4 (5.6)	GPAM (5.5)
7.66E-07	**<0.01**	LPA (5.4)	SLC22A1 (4.9)	APOA5 (4.1)
7.95E-07	**<0.01**	BCL3 (4.8)	MAFF (4.1)	APOA5 (3.3)
1.03E-06	**<0.01**	GATA4 (4.2)	ARID1A (3.9)	DOCK6 (3.5)
1.33E-06	**<0.01**	LPA (3.9)	CYP7A1 (3.9)	APOA5 (3.8)
1.35E-06	**<0.01**	HP (8.3)	F2 (3.9)	LIPC (3.6)
1.43E-06	**<0.01**	APOA4 (8.1)	APOA1 (7.7)	APOC3 (7.6)
1.50E-06	**<0.01**	GCKR (3.7)	APOB (3.7)	F2 (3.3)
1.52E-06	**<0.01**	APOC1 (5.5)	APOA4 (5.3)	ACP2 (4.7)
2.07E-06	**<0.01**	APOC1 (4.8)	COBLL1 (4.4)	FADS2 (4.2)
2.59E-06	**<0.01**	APOC3 (8.4)	FADS1 (7.5)	APOA4 (7.4)
2.98E-06	**<0.01**	APOA4 (3.9)	TM6SF2 (3.6)	NR0B2 (3.4)
3.25E-06	**<0.01**	APOC4 (4.7)	APOA5 (4.6)	SLC22A1 (4.0)
3.33E-06	**<0.01**	SLC22A1 (4.0)	LPA (3.4)	HP (3.4)
3.37E-06	**<0.01**	MLXIPL (5.8)	LPL (5.5)	APOC3 (5.3)
3.76E-06	**<0.01**	HP (4.0)	GALNT2 (3.9)	MLXIPL (3.9)
4.37E-06	**<0.01**	TAGLN (5.1)	RSPO3 (3.3)	APOE (2.8)
4.93E-06	**<0.01**	MLXIPL (3.7)	CD300LG (3.6)	PPY (2.9)
4.95E-06	**<0.01**	APOC1 (4.4)	APOA5 (4.1)	SLC22A1 (4.1)
5.20E-06	**<0.01**	RFX4 (3.7)	CLPTM1 (2.6)	HAVCR1 (2.5)
5.26E-06	**<0.01**	NAGS (4.5)	GPAM (3.9)	ABHD1 (3.2)
5.26E-06	**<0.01**	NAGS (4.5)	GPAM (3.9)	ABHD1 (3.2)
5.53E-06	**<0.01**	APOA4 (4.2)	NR0B2 (3.9)	TM6SF2 (3.9)
6.73E-06	**<0.01**	FADS2 (7.7)	FADS1 (7.6)	FDFT1 (6.5)
7.57E-06	**<0.01**	APOA5 (5.1)	SLC22A1 (4.8)	GCKR (4.5)
8.50E-06	**<0.01**	ANGPTL3 (7.5)	LPA (6.8)	APOA5 (6.2)
8.84E-06	**<0.01**	LRP4 (2.7)	IGF2R (2.5)	BCAM (2.4)
8.86E-06	**<0.01**	EMILIN1 (4.3)	TAGLN (4.2)	CILP2 (3.5)
9.07E-06	**<0.01**	LPL (4.6)	NR1H3 (4.3)	GPAM (4.2)
9.08E-06	**<0.01**	PPY (4.0)	APOC1 (3.7)	NR1H3 (3.7)

9.14E-06	**<0.01**	KHK (5.5)	NAGS (4.6)	TM6SF2 (4.6)
9.21E-06	**<0.01**	GPAM (6.2)	MLXIPL (5.7)	LPL (5.2)
9.72E-06	**<0.01**	BMPR2 (3.9)	JMJD1C (2.9)	DOCK6 (2.9)
9.80E-06	**<0.01**	APOA1 (9.3)	APOB (9.0)	APOC3 (8.8)
9.85E-06	**<0.01**	KHK (4.5)	APOA5 (4.3)	ANGPTL3 (4.3)
1.02E-05	**<0.01**	HP (5.0)	LPL (4.1)	TIMD4 (3.6)
1.04E-05	**<0.01**	HGFAC (3.7)	BCL3 (3.7)	MAFF (3.5)
1.06E-05	**<0.01**	BCL3 (3.5)	CYP7A1 (2.9)	AFF1 (2.9)
1.14E-05	**<0.01**	F2 (9.5)	APOC1 (9.0)	APOA1 (8.5)
1.14E-05	**<0.01**	F2 (9.5)	APOC1 (9.0)	APOA1 (8.5)
1.33E-05	**<0.01**	GATA4 (3.9)	ARID1A (3.4)	CYP26A1 (3.0)
1.35E-05	**<0.01**	PLTP (4.9)	PVRL2 (4.3)	RASIP1 (4.0)
1.39E-05	**<0.01**	DOCK6 (5.3)	VEGFA (4.7)	RASIP1 (4.6)
1.52E-05	**<0.01**	VEGFA (3.6)	LPA (3.0)	ANGPTL4 (2.9)
1.55E-05	**<0.01**	APOC1 (5.6)	CD300LG (5.5)	LPL (3.8)
1.58E-05	**<0.01**	MLXIPL (5.2)	APOA5 (5.1)	APOC4 (4.6)
1.59E-05	**<0.01**	HP (6.7)	APOC4 (5.6)	LPA (5.5)
1.59E-05	**<0.01**	MLXIPL (4.9)	LPL (4.4)	GPAM (4.2)
1.64E-05	**<0.01**	VEGFA (3.8)	ANGPTL3 (3.4)	APOA1 (3.4)
1.72E-05	**<0.01**	TIMD4 (3.8)	APOA4 (3.6)	TM6SF2 (3.2)
1.85E-05	**<0.01**	CTSB (4.0)	VEGFA (3.0)	ANGPTL4 (2.9)
1.88E-05	**<0.01**	IGF2R (3.1)	JMJD1C (3.0)	ARID1A (3.0)
1.89E-05	**<0.01**	PLTP (4.0)	CYP7A1 (4.0)	SLC22A1 (3.7)
1.97E-05	**<0.01**	F2 (10.1)	APOA5 (8.8)	APOA1 (8.3)
2.01E-05	**<0.01**	HP (6.4)	TIMD4 (5.1)	CETP (4.7)
2.04E-05	**<0.01**	LPL (4.6)	MLXIPL (4.4)	TRIB1 (3.8)
2.05E-05	**<0.01**	APOA4 (4.0)	TIMD4 (4.0)	NR1H3 (3.8)
2.05E-05	**<0.01**	APOA4 (4.0)	TIMD4 (4.0)	NR1H3 (3.8)
2.13E-05	**<0.01**	TRIB1 (4.1)	MAFF (3.2)	ABCA1 (3.2)
2.27E-05	**<0.01**	APOA4 (10.6)	APOC3 (8.7)	APOA1 (8.5)
2.28E-05	**<0.01**	PDIA3 (6.1)	TMEM214 (4.5)	PREB (3.8)
2.30E-05	**<0.01**	LPL (4.3)	ANGPTL4 (4.2)	MLXIPL (4.1)
2.35E-05	**<0.01**	LPA (5.5)	TIMD4 (5.1)	SLC22A1 (4.5)
2.40E-05	**<0.01**	APOA5 (6.3)	APOC4 (6.0)	C19orf80 (5.6)
2.59E-05	**<0.01**	PPY (2.7)	GPAM (2.5)	KHK (2.4)
2.61E-05	**<0.01**	APOA1 (7.4)	APOA4 (6.8)	F2 (6.8)
2.66E-05	**<0.01**	LPL (7.5)	GPAM (5.8)	MLXIPL (5.2)
2.66E-05	**<0.01**	LPA (4.7)	KDM3A (3.1)	C19orf80 (2.9)
2.75E-05	**<0.01**	APOE (4.5)	APOC1 (3.9)	PLTP (3.8)
2.76E-05	**<0.01**	ANGPTL4 (3.4)	ABCA1 (3.1)	BCL3 (3.1)
2.83E-05	**<0.01**	F2 (5.0)	APOA1 (4.9)	APOC1 (4.9)
2.83E-05	**<0.01**	ENSG00000254235 (4	C17orf105 (3.8)	CSGALNACT1 (3.2)
2.83E-05	**<0.01**	HP (2.8)	PYY (2.6)	CETP (2.5)
2.92E-05	**<0.01**	ARID1A (3.7)	PVRL2 (3.4)	KANK2 (3.2)
3.02E-05	**<0.01**	TMEM101 (3.1)	GALNT2 (2.7)	MAPRE3 (2.4)
3.10E-05	**<0.01**	LPA (6.0)	CETP (4.8)	TIMD4 (4.4)
3.24E-05	**<0.01**	MLXIPL (5.7)	GPAM (4.2)	LPL (4.1)
3.60E-05	**<0.01**	LPA (3.8)	APOA5 (3.6)	C1orf172 (3.5)
3.74E-05	**<0.01**	PVRL2 (3.9)	MAFF (3.4)	BCL3 (3.2)
3.94E-05	**<0.01**	F2 (5.6)	ANGPTL3 (5.3)	HGFAC (4.8)

3.99E-05	**<0.01**	CYP26A1 (3.4)	APOA1 (3.1)	DNAH10 (3.0)
4.18E-05	**<0.01**	LPL (6.0)	GPAM (4.6)	MLXIPL (4.2)
4.27E-05	**<0.01**	PVRL2 (4.3)	GATA4 (3.5)	APOA1 (3.5)
4.41E-05	**<0.01**	PPY (3.9)	APOE (3.5)	NR1H3 (3.5)
4.52E-05	**<0.01**	APOA4 (4.6)	NR0B2 (3.7)	ENSG00000236267 (3
4.78E-05	**<0.01**	EMILIN1 (4.0)	RASIP1 (3.5)	KANK2 (3.4)
5.21E-05	**<0.01**	LPL (5.2)	NR1H3 (4.5)	TMED5 (4.4)
5.37E-05	**<0.01**	GATA4 (3.1)	SDC1 (2.8)	BCL3 (2.7)
5.60E-05	**<0.01**	APOC1 (5.5)	LPL (4.8)	GPAM (4.3)
5.84E-05	**<0.01**	APOA4 (4.6)	NR0B2 (3.8)	TIMD4 (3.4)
5.98E-05	**<0.01**	AMBRA1 (3.6)	NRBF2 (3.5)	BUD13 (3.5)
6.05E-05	**<0.01**	KHK (3.8)	ANGPTL3 (3.5)	GPAM (2.9)
6.49E-05	**<0.01**	PVRL2 (2.5)	DOCK7 (2.4)	BMPR2 (2.4)
6.54E-05	**<0.01**	LPA (3.8)	RSPO3 (3.7)	HGFAC (3.6)
6.64E-05	**<0.01**	EMILIN1 (3.1)	ENSG00000222035 (2	PVRL2 (2.5)
6.84E-05	**<0.01**	HP (4.8)	GCKR (4.0)	HGFAC (3.5)
7.19E-05	**<0.01**	APOA5 (4.8)	HGFAC (4.1)	APOC4 (4.0)
7.32E-05	**<0.01**	APOC4 (7.0)	LPA (6.5)	ANGPTL3 (6.0)
7.43E-05	**<0.01**	RASIP1 (4.8)	DOCK6 (4.4)	MYBPC3 (2.8)
7.44E-05	**<0.01**	APOE (6.4)	F2 (5.1)	APOC1 (4.9)
7.47E-05	**<0.01**	ANGPTL3 (5.3)	APOA5 (5.2)	KHK (5.0)
7.95E-05	**<0.01**	APOC1 (8.8)	APOB (6.9)	APOE (6.6)
8.08E-05	**<0.01**	LINC00208 (3.0)	LIPC (2.6)	ENSG00000236267 (2
8.10E-05	**<0.01**	APOC4 (7.8)	LPA (7.7)	HP (7.3)
8.22E-05	**<0.01**	RFX4 (2.9)	IFT172 (2.7)	GATAD2A (2.7)
8.39E-05	**<0.01**	APOA4 (5.1)	NAGS (5.1)	TM6SF2 (4.2)
8.44E-05	**<0.01**	ANGPTL4 (3.1)	HAPLN4 (2.7)	FNDC4 (2.5)
8.54E-05	**<0.01**	DOCK6 (3.9)	KDM3A (3.5)	AFF1 (3.5)
8.67E-05	**<0.01**	F2 (5.2)	HP (5.1)	ANGPTL3 (5.0)
8.76E-05	**<0.01**	APOA4 (5.4)	APOC3 (5.1)	KHK (4.7)
8.98E-05	**<0.01**	RASIP1 (3.4)	PVRL2 (3.2)	DOCK6 (2.6)
9.14E-05	**<0.01**	ANGPTL3 (8.3)	F2 (8.3)	APOC4 (7.9)
9.33E-05	**<0.01**	LPL (3.7)	KLF14 (3.3)	LRP4 (3.3)
9.59E-05	**<0.01**	LPL (5.2)	GPAM (5.0)	C19orf80 (3.8)
9.71E-05	**<0.01**	APOC4 (6.7)	APOC3 (6.4)	ANGPTL3 (6.3)
9.74E-05	**<0.01**	SLC22A1 (6.2)	LPA (6.0)	CYP7A1 (5.3)
9.82E-05	**<0.01**	TIMD4 (4.2)	NR0B2 (3.8)	GCKR (3.4)
9.82E-05	**<0.01**	BCL3 (4.0)	CTSB (4.0)	TIMD4 (3.5)
1.01E-04	**<0.01**	LPAL2 (3.7)	ENSG00000234945 (3	LPA (3.0)
1.03E-04	**<0.01**	APOC1 (5.3)	ABCA1 (4.7)	NR1H3 (3.9)
1.03E-04	**<0.01**	TIMD4 (4.4)	CETP (4.3)	LPA (4.1)
1.05E-04	**<0.01**	C19orf80 (2.6)	VEGFA (2.6)	C17orf105 (2.5)
1.05E-04	**<0.01**	EMILIN1 (2.9)	PVRL2 (2.6)	KRTCAP3 (2.3)
1.06E-04	**<0.01**	ANGPTL3 (6.5)	F2 (6.1)	HP (5.7)
1.12E-04	**<0.01**	SDC1 (3.6)	VEGFA (3.5)	C1orf172 (3.0)
1.13E-04	**<0.01**	HP (4.9)	APOC4 (4.4)	APOE (4.4)
1.13E-04	**<0.01**	KHK (5.9)	SLC22A1 (5.0)	HGFAC (5.0)
1.15E-04	**<0.01**	APOA5 (4.4)	ABCA1 (4.2)	APOC4 (3.6)
1.16E-04	**<0.01**	APOA4 (6.1)	APOC3 (5.6)	APOA1 (5.5)
1.16E-04	**<0.01**	LPL (7.0)	MLXIPL (5.5)	APOC1 (4.9)

1.16E-04	**<0.01**	ANGPTL3 (6.3)	F2 (6.1)	HP (5.6)
1.18E-04	**<0.01**	CITED2 (4.0)	VEGFA (3.4)	DOCK6 (3.1)
1.19E-04	**<0.01**	LRP4 (3.0)	BMPR2 (3.0)	VEGFA (2.9)
1.20E-04	**<0.01**	TIMD4 (4.1)	HP (3.7)	FUT2 (3.7)
1.20E-04	**<0.01**	PTPN13 (2.8)	GALNT2 (2.4)	PVRL2 (2.4)
1.23E-04	**<0.01**	BCL3 (4.8)	MAFF (3.4)	ANGPTL4 (3.1)
1.24E-04	**<0.01**	C11orf9 (3.9)	BCAM (3.5)	DDB2 (2.7)
1.26E-04	**<0.01**	F2 (6.7)	ANGPTL3 (6.2)	APOA1 (5.7)
1.28E-04	**<0.01**	ANGPTL3 (6.5)	F2 (6.2)	HP (5.7)
1.29E-04	**<0.01**	FADS2 (5.2)	GPAM (3.8)	APOB (3.7)
1.30E-04	**<0.01**	CILP2 (5.3)	HP (4.2)	EMILIN1 (3.6)
1.31E-04	**<0.01**	ENSG00000200241 (2	PREB (2.6)	C19orf80 (2.6)
1.36E-04	**<0.01**	RSPO3 (4.3)	APOC4 (4.2)	GCKR (4.1)
1.36E-04	**<0.01**	F2 (7.9)	ANGPTL3 (7.4)	LIPC (7.3)
1.37E-04	**<0.01**	NAGS (4.1)	TM6SF2 (3.0)	PYY (2.7)
1.40E-04	**<0.01**	GPAM (5.2)	LPL (4.5)	C19orf80 (4.1)
1.43E-04	**<0.01**	APOC1 (6.7)	APOB (6.2)	F2 (5.9)
1.43E-04	**<0.01**	APOC1 (6.7)	APOB (6.2)	F2 (5.9)
1.51E-04	**<0.01**	FADS2 (5.3)	APOB (4.0)	GPAM (4.0)
1.51E-04	**<0.01**	MLXIPL (3.2)	COBLL1 (2.9)	LPAR2 (2.7)
1.54E-04	**<0.01**	APOC1 (9.0)	APOA4 (8.7)	APOC3 (8.6)
1.56E-04	**<0.01**	HP (5.3)	F2 (5.3)	ANGPTL3 (5.1)
1.58E-04	**<0.01**	APOA4 (4.0)	APOC1 (3.2)	APOA1 (3.0)
1.60E-04	**<0.01**	GPAM (4.0)	DHODH (3.6)	RBKS (3.5)
1.66E-04	**<0.01**	CITED2 (3.1)	HAVCR1 (2.9)	BCAM (2.8)
1.70E-04	**<0.01**	EMILIN1 (4.9)	TAGLN (4.2)	ABCA1 (3.3)
1.75E-04	**<0.01**	TMED5 (3.8)	ANGPTL4 (3.6)	ABHD1 (3.3)
1.76E-04	**<0.01**	EMILIN1 (3.1)	ENSG00000222035 (2	PVRL2 (2.6)
1.77E-04	**<0.01**	C1orf172 (3.8)	VEGFA (2.7)	EMILIN1 (2.4)
1.90E-04	**<0.01**	LRP4 (4.5)	FZD9 (3.6)	IFT172 (3.1)
1.91E-04	**<0.01**	CETP (4.2)	NR0B2 (4.2)	APOA4 (4.1)
1.91E-04	**<0.01**	RASIP1 (4.6)	SDC1 (3.9)	DOCK6 (3.5)
1.95E-04	**<0.01**	TM6SF2 (4.6)	ABHD1 (4.2)	APOA4 (4.0)
2.00E-04	**<0.01**	CYP7A1 (3.5)	HDAC5 (2.9)	CD300LG (2.9)
2.01E-04	**<0.01**	TBL2 (2.7)	ARID1A (2.5)	PTPN13 (2.5)
2.02E-04	**<0.01**	PPY (4.8)	LPL (3.9)	MLXIPL (3.7)
2.05E-04	**<0.01**	APOC3 (7.5)	APOA1 (6.8)	F2 (6.6)
2.05E-04	**<0.01**	APOC3 (7.5)	APOA1 (6.8)	F2 (6.6)
2.08E-04	**<0.01**	LIPC (6.7)	APOA5 (6.0)	APOC4 (5.9)
2.10E-04	**<0.01**	EMILIN1 (2.9)	KRTCAP3 (2.7)	PVRL2 (2.6)
2.10E-04	**<0.01**	APOC4 (4.1)	GPAM (4.0)	APOA5 (3.8)
2.10E-04	**<0.01**	HP (5.7)	ANGPTL3 (4.8)	LPA (4.3)
2.11E-04	**<0.01**	C17orf105 (3.9)	ENSG00000254235 (3	CD300LG (2.8)
2.20E-04	**<0.01**	RASIP1 (3.4)	PVRL2 (3.0)	DOCK6 (2.5)
2.22E-04	**<0.01**	SFN (2.5)	ACP2 (2.4)	EMILIN1 (2.3)
2.22E-04	**<0.01**	APOA4 (5.0)	NAGS (4.9)	TM6SF2 (4.4)
2.22E-04	**<0.01**	APOA4 (5.0)	NAGS (4.9)	TM6SF2 (4.4)
2.22E-04	**<0.01**	LIPC (5.9)	APOA5 (5.5)	ANGPTL3 (5.4)
2.22E-04	**<0.01**	APOC3 (8.5)	APOA4 (8.4)	APOB (8.0)
2.23E-04	**<0.01**	APOA1 (11.1)	APOC3 (11.0)	APOB (10.9)

2.24E-04	**<0.01**	NAGS (4.1)	TM6SF2 (3.0)	NR0B2 (2.6)
2.24E-04	**<0.01**	MAFF (5.7)	TRIB1 (4.3)	C19orf80 (3.5)
2.25E-04	**<0.01**	BNC2 (3.5)	LPL (3.2)	ENSG00000256731 (3
2.45E-04	**<0.01**	SLC22A1 (5.5)	CYP7A1 (5.0)	HP (4.9)
2.47E-04	**<0.01**	HP (5.5)	TIMD4 (3.6)	CTSB (3.3)
2.48E-04	**<0.01**	HP (4.8)	CILP2 (4.2)	PLTP (3.3)
2.52E-04	**<0.01**	HP (5.7)	ANGPTL3 (5.5)	F2 (5.3)
2.57E-04	**<0.01**	LPAL2 (4.0)	ENSG00000234945 (3	LPA (3.3)
2.66E-04	**<0.01**	HP (4.1)	TAGLN (3.2)	PVRL2 (3.0)
2.66E-04	**<0.01**	KHK (3.3)	HP (3.1)	GPAM (2.8)
2.69E-04	**<0.01**	ABHD1 (3.1)	VEGFA (2.9)	C17orf105 (2.9)
2.73E-04	**<0.01**	APOA4 (9.7)	APOC3 (8.2)	APOA1 (7.8)
2.74E-04	**<0.01**	APOA1 (9.3)	APOC3 (8.3)	APOB (8.1)
2.75E-04	**<0.01**	HP (4.8)	CILP2 (4.1)	RSPO3 (3.4)
2.78E-04	**<0.01**	BMPR2 (2.9)	TAGLN (2.9)	APOE (2.9)
2.81E-04	**<0.01**	F2 (7.1)	APOA1 (6.8)	APOC3 (6.5)
2.81E-04	**<0.01**	F2 (7.1)	APOA1 (6.8)	APOC3 (6.5)
2.81E-04	**<0.01**	APOC1 (4.1)	BLK (4.1)	GALNT2 (3.5)
2.82E-04	**<0.01**	RASIP1 (3.4)	PVRL2 (3.1)	DOCK6 (2.6)
2.89E-04	**<0.01**	SFN (6.8)	SDC1 (4.2)	APOC4 (3.5)
3.03E-04	**<0.01**	MYBPC3 (3.5)	ARHGAP1 (3.4)	C11orf9 (3.3)
3.04E-04	**<0.01**	MLXIPL (3.4)	C17orf105 (3.3)	ENSG00000200241 (2
3.04E-04	**<0.01**	GATA4 (4.1)	DOCK6 (4.1)	MYBPC3 (3.7)
3.08E-04	**<0.01**	LPL (5.7)	FADS1 (5.5)	MLXIPL (5.4)
3.16E-04	**<0.01**	MLXIPL (5.9)	GPAM (5.7)	ANGPTL4 (4.6)
3.16E-04	**<0.01**	TM6SF2 (4.2)	KHK (4.0)	APOA4 (3.7)
3.17E-04	**<0.01**	APOA4 (7.7)	APOC3 (5.6)	FADS2 (5.1)
3.29E-04	**<0.05**	KDM3A (4.4)	DOCK7 (3.7)	NUP160 (3.2)
3.31E-04	**<0.05**	APOA4 (7.5)	APOC3 (7.4)	APOA1 (6.9)
3.33E-04	**<0.05**	ABHD1 (3.8)	GPAM (3.0)	LPL (3.0)
3.35E-04	**<0.05**	APOC4 (5.2)	NR1H3 (5.0)	APOA5 (4.7)
3.39E-04	**<0.05**	NAGS (3.1)	FADS2 (3.0)	CYP7A1 (2.7)
3.42E-04	**<0.05**	LPL (5.7)	ANGPTL4 (5.1)	MLXIPL (3.9)
3.45E-04	**<0.05**	ANGPTL4 (5.2)	MLXIPL (4.9)	LPL (4.8)
3.48E-04	**<0.05**	GMIP (3.3)	BCL3 (2.6)	CYP7A1 (2.4)
3.51E-04	**<0.05**	ENSG00000200241 (3	LPA (3.1)	C19orf80 (2.9)
3.55E-04	**<0.05**	HP (3.1)	BCL3 (2.7)	ANGPTL4 (2.5)
3.60E-04	**<0.05**	CILP2 (5.2)	HP (4.4)	EMILIN1 (3.4)
3.60E-04	**<0.05**	CILP2 (5.2)	HP (4.4)	EMILIN1 (3.4)
3.65E-04	**<0.05**	TIMD4 (3.9)	APOC1 (3.8)	APOA4 (3.8)
3.67E-04	**<0.05**	MAFF (3.8)	PCIF1 (3.8)	ARID1A (3.4)
3.72E-04	**<0.05**	APOC3 (9.3)	APOA4 (9.0)	APOA1 (8.9)
3.76E-04	**<0.05**	APOB (7.0)	APOA1 (6.5)	F2 (6.2)
3.80E-04	**<0.05**	TMEM101 (4.0)	TMEM175 (3.8)	PTPMT1 (3.2)
3.83E-04	**<0.05**	PPY (6.6)	MLXIPL (6.3)	GPAM (4.9)
3.84E-04	**<0.05**	C19orf80 (3.3)	APOC1 (2.8)	KANK2 (2.6)
3.85E-04	**<0.05**	ENSG00000254235 (4	C17orf105 (4.0)	CD300LG (2.9)
3.90E-04	**<0.05**	ENSG00000253379 (3	PLTP (3.2)	BRE (3.1)
3.94E-04	**<0.05**	MAFF (3.9)	APOC1 (3.4)	CTSB (2.8)
3.95E-04	**<0.05**	FUT2 (4.2)	PYY (2.7)	C11orf9 (2.2)

3.98E-04	**<0.05**	TIMD4 (5.7)	APOE (5.3)	APOC1 (4.9)
4.14E-04	**<0.05**	F2 (2.9)	SDC1 (2.9)	APOA1 (2.8)
4.15E-04	**<0.05**	GALNT2 (2.9)	LPA (2.9)	CSGALNACT1 (2.8)
4.18E-04	**<0.05**	SLC5A6 (3.0)	LPA (2.7)	VEGFA (2.6)
4.19E-04	**<0.05**	RASIP1 (4.7)	DOCK6 (4.1)	CD300LG (3.1)
4.21E-04	**<0.05**	HP (4.7)	NR0B2 (2.8)	TM6SF2 (2.7)
4.26E-04	**<0.05**	F2 (6.1)	APOC3 (4.8)	APOB (4.7)
4.40E-04	**<0.05**	CYP26A1 (3.6)	PTPN13 (3.2)	BNC2 (3.2)
4.40E-04	**<0.05**	RASIP1 (3.4)	PVRL2 (2.9)	DOCK6 (2.7)
4.43E-04	**<0.05**	CBLC (2.4)	DNAJC5G (2.3)	C1orf172 (2.3)
4.44E-04	**<0.05**	MLXIPL (4.6)	PPY (4.4)	LPL (4.4)
4.45E-04	**<0.05**	FADS1 (6.9)	FADS2 (6.6)	FDFT1 (5.7)
4.50E-04	**<0.05**	FADS2 (6.5)	GPAM (6.0)	FADS1 (5.7)
4.55E-04	**<0.05**	TM6SF2 (7.3)	NAGS (5.9)	APOA4 (5.8)
4.57E-04	**<0.05**	CTSB (3.9)	CETP (3.5)	MAFF (3.4)
4.59E-04	**<0.05**	KHK (4.8)	APOC4 (4.5)	APOA5 (4.1)
4.61E-04	**<0.05**	ABCA1 (4.7)	BCL3 (3.8)	CTSB (3.6)
4.68E-04	**<0.05**	GATAD2A (4.2)	ARID1A (4.1)	TRIB1 (3.4)
4.73E-04	**<0.05**	RFX4 (3.1)	SIDT2 (2.9)	PTPN13 (2.7)
4.76E-04	**<0.05**	F2 (5.5)	HP (4.9)	APOC1 (4.5)
4.79E-04	**<0.05**	SLC30A3 (2.8)	MAPRE3 (2.6)	LPAR2 (2.5)
4.80E-04	**<0.05**	APOA1 (10.2)	F2 (10.1)	APOC3 (9.0)
4.80E-04	**<0.05**	APOA1 (10.2)	F2 (10.1)	APOC3 (9.0)
4.80E-04	**<0.05**	BCL3 (3.6)	HP (3.2)	LPA (2.8)
4.80E-04	**<0.05**	BCL3 (5.4)	BLK (5.0)	GMIP (3.1)
4.90E-04	**<0.05**	TAGLN (4.4)	CLPTM1 (3.4)	SDC1 (3.4)
5.10E-04	**<0.05**	MLXIPL (2.7)	CD300LG (2.4)	NR0B2 (2.3)
5.17E-04	**<0.05**	KHK (5.0)	NAT2 (4.6)	SLC22A1 (4.2)
5.18E-04	**<0.05**	VEGFA (5.0)	KDM3A (4.9)	TBL2 (4.7)
5.19E-04	**<0.05**	MLXIPL (4.9)	GPAM (4.7)	FADS1 (4.0)
5.21E-04	**<0.05**	LPL (6.1)	MLXIPL (5.6)	GPAM (5.5)
5.28E-04	**<0.05**	CYP26A1 (4.7)	CILP2 (4.0)	FZD9 (3.3)
5.35E-04	**<0.05**	PPY (2.9)	TBL2 (2.7)	MLXIPL (2.7)
5.35E-04	**<0.05**	PPY (2.9)	TBL2 (2.7)	MLXIPL (2.7)
5.36E-04	**<0.05**	PYY (4.3)	PPY (4.1)	MLXIPL (3.4)
5.51E-04	**<0.05**	APOE (4.0)	LPL (3.4)	CTSB (3.3)
5.54E-04	**<0.05**	MLXIPL (5.0)	GPAM (4.7)	FADS1 (4.0)
5.57E-04	**<0.05**	VEGFA (5.1)	KDM3A (5.0)	TBL2 (4.5)
5.62E-04	**<0.05**	SLC22A3 (2.7)	ANGPTL4 (2.7)	CD300LG (2.4)
5.65E-04	**<0.05**	VEGFA (3.1)	DUSP3 (2.9)	BLK (2.7)
5.66E-04	**<0.05**	FADS1 (4.1)	FADS2 (3.8)	GPAM (3.6)
5.69E-04	**<0.05**	LIPC (4.8)	F2 (4.6)	APOC4 (4.5)
5.70E-04	**<0.05**	BCL3 (4.0)	CTSB (4.0)	ABCA1 (3.4)
5.70E-04	**<0.05**	LSM12 (4.0)	NAGS (3.5)	VEGFA (3.4)
5.71E-04	**<0.05**	VEGFA (5.2)	KDM3A (5.1)	TBL2 (4.6)
5.75E-04	**<0.05**	TAGLN (3.9)	BCAM (3.5)	SDC1 (3.0)
5.77E-04	**<0.05**	APOA1 (8.2)	F2 (7.8)	APOB (7.7)
5.84E-04	**<0.05**	PYY (4.3)	PPY (3.7)	MLXIPL (3.4)
5.85E-04	**<0.05**	LPL (6.5)	APOC1 (3.2)	MLXIPL (3.1)
5.91E-04	**<0.05**	ANGPTL4 (3.8)	MAFF (3.1)	TRIB1 (2.7)

5.92E-04	**<0.05**	APOC1 (9.0)	APOA1 (6.2)	F2 (5.4)
6.11E-04	**<0.05**	NR1H3 (3.0)	ABCA1 (2.9)	LPL (2.7)
6.17E-04	**<0.05**	ANGPTL3 (7.5)	APOC4 (7.1)	HGFAC (6.9)
6.29E-04	**<0.05**	ENSG00000257711 (4	ENSG00000256746 (2	NFE2L3 (2.5)
6.31E-04	**<0.05**	EMILIN1 (4.4)	ANGPTL3 (2.9)	HP (2.8)
6.34E-04	**<0.05**	FADS1 (4.6)	FADS2 (4.5)	FDFT1 (4.4)
6.35E-04	**<0.05**	LIPC (4.2)	APOC1 (4.2)	APOA4 (4.1)
6.35E-04	**<0.05**	RASIP1 (5.0)	DOCK6 (4.3)	CD300LG (3.6)
6.37E-04	**<0.05**	APOE (6.1)	TIMD4 (5.8)	PLTP (4.6)
6.37E-04	**<0.05**	APOE (6.1)	TIMD4 (5.8)	PLTP (4.6)
6.46E-04	**<0.05**	APOA1 (5.2)	GATA4 (4.9)	APOC3 (4.3)
6.49E-04	**<0.05**	ENSG00000222035 (3	EPB41L3 (2.9)	ACP2 (2.6)
6.60E-04	**<0.05**	MLXIPL (4.0)	GPAM (3.8)	C19orf80 (3.7)
6.64E-04	**<0.05**	RSPO3 (2.7)	BNC2 (2.5)	ENSG00000222035 (2
6.82E-04	**<0.05**	VEGFA (4.4)	BCAM (3.5)	PVRL2 (3.5)
6.93E-04	**<0.05**	ACP2 (2.8)	TIMD4 (2.5)	ENSG00000222035 (2
6.95E-04	**<0.05**	EMILIN1 (2.6)	SFN (2.5)	VEGFA (2.4)
6.98E-04	**<0.05**	GPAM (3.7)	MLXIPL (3.5)	PLA2G6 (3.2)
6.99E-04	**<0.05**	BCL3 (4.8)	TRIB1 (4.4)	CETP (4.2)
7.05E-04	**<0.05**	FAM167A (4.0)	LRP4 (3.9)	IGF2R (2.9)
7.10E-04	**<0.05**	FADS2 (5.9)	CYP7A1 (5.6)	FADS1 (5.5)
7.13E-04	**<0.05**	ARID1A (3.8)	BMPR2 (3.4)	AMBRA1 (3.2)
7.20E-04	**<0.05**	CYP26A1 (4.9)	GATA4 (4.7)	MYBPC3 (4.0)
7.24E-04	**<0.05**	C17orf105 (3.2)	MLXIPL (3.0)	ENSG00000200241 (2
7.30E-04	**<0.05**	MLXIPL (3.3)	CD300LG (3.2)	LPL (2.6)
7.31E-04	**<0.05**	HGFAC (3.5)	NR0B2 (3.4)	LPA (3.0)
7.34E-04	**<0.05**	ENSG00000257711 (4	ENSG00000256746 (2	LPL (2.5)
7.38E-04	**<0.05**	PYY (4.2)	PPY (3.6)	MLXIPL (3.3)
7.44E-04	**<0.05**	TIMD4 (3.2)	EPB41L3 (2.4)	RASIP1 (2.3)
7.54E-04	**<0.05**	ANGPTL3 (5.8)	KHK (5.5)	HGFAC (5.5)
7.61E-04	**<0.05**	BCL3 (3.9)	PGS1 (3.5)	MAFF (3.2)
7.81E-04	**<0.05**	RASIP1 (6.5)	DOCK6 (4.6)	ANGPTL4 (2.9)
7.90E-04	**<0.05**	FADS2 (6.0)	CYP7A1 (5.6)	FADS1 (5.5)
7.90E-04	**<0.05**	CD300LG (2.7)	MLXIPL (2.6)	DUSP3 (2.2)
8.10E-04	**<0.05**	C17orf105 (3.5)	VEGFA (3.3)	C19orf80 (3.2)
8.12E-04	**<0.05**	CYP26A1 (3.4)	TRIB1 (2.5)	PTPN13 (2.4)
8.24E-04	**<0.05**	NR1H3 (5.7)	CETP (3.8)	APOC1 (3.7)
8.37E-04	**<0.05**	MLXIPL (5.1)	GPAM (4.9)	FADS1 (4.1)
8.38E-04	**<0.05**	RASIP1 (5.4)	DOCK6 (4.7)	CD300LG (3.5)
8.41E-04	**<0.05**	ABHD1 (3.8)	NR1H3 (3.4)	CD300LG (3.0)
8.43E-04	**<0.05**	LIPC (4.1)	APOC1 (3.9)	APOA4 (3.8)
8.45E-04	**<0.05**	MLXIPL (5.2)	APOA4 (5.2)	PPY (3.7)
8.50E-04	**<0.05**	F2 (6.4)	APOB (5.6)	HP (5.3)
8.54E-04	**<0.05**	ANGPTL3 (7.3)	LIPC (6.4)	APOC4 (6.1)
8.57E-04	**<0.05**	BCL3 (3.3)	BLK (3.1)	GMIP (2.3)
8.75E-04	**<0.05**	F2 (5.1)	APOA5 (4.3)	C19orf80 (3.9)
8.84E-04	**<0.05**	RASIP1 (4.9)	DOCK6 (4.4)	CD300LG (3.2)
9.00E-04	**<0.05**	CETP (4.5)	CMIP (2.9)	TIMD4 (2.8)
9.02E-04	**<0.05**	TIMD4 (5.5)	APOE (5.1)	GCKR (5.0)
9.21E-04	**<0.05**	F2 (8.8)	APOB (8.5)	APOA1 (8.1)

9.21E-04	**<0.05**	F2 (8.8)	APOB (8.5)	APOA1 (8.1)
9.23E-04	**<0.05**	C8orf49 (3.3)	PVRL2 (2.3)	DNAJC5G (2.2)
9.53E-04	**<0.05**	LPA (6.8)	SLC22A1 (6.7)	CYP7A1 (5.9)
9.53E-04	**<0.05**	LPL (3.3)	LRP4 (3.1)	HAVCR1 (3.0)
9.58E-04	**<0.05**	CILP2 (5.1)	BMPR2 (3.8)	EMILIN1 (3.6)
9.74E-04	**<0.05**	F2 (6.6)	HP (5.7)	APOB (5.4)
9.78E-04	**<0.05**	BCL3 (3.6)	C11orf9 (3.5)	HDAC5 (3.0)
9.86E-04	**<0.05**	LIPC (6.4)	F2 (6.0)	ANGPTL3 (5.6)
9.95E-04	**<0.05**	NAGS (4.2)	TM6SF2 (3.9)	APOA4 (3.9)
1.03E-03	**<0.05**	APOA4 (7.9)	APOB (7.7)	APOC3 (7.4)
1.03E-03	**<0.05**	BCAM (4.5)	DDB2 (3.7)	AFF1 (2.9)
1.03E-03	**<0.05**	F2 (6.7)	APOC3 (5.9)	APOB (5.9)
1.03E-03	**<0.05**	CILP2 (7.9)	FZD9 (3.8)	SDC1 (3.7)
1.04E-03	**<0.05**	ENSG00000255020 (2	ENSG00000223745 (2	ENSG00000236267 (2
1.05E-03	**<0.05**	DDB2 (5.0)	BLK (3.8)	ABCA1 (3.0)
1.06E-03	**<0.05**	F2 (6.6)	HP (5.7)	APOA1 (5.4)
1.06E-03	**<0.05**	UBXN2B (4.3)	CCDC18 (4.0)	USP1 (3.4)
1.06E-03	**<0.05**	C1orf172 (5.0)	CBLC (4.5)	PVRL2 (3.4)
1.07E-03	**<0.05**	TIMD4 (3.1)	CTSB (2.5)	ACP2 (2.4)
1.08E-03	**<0.05**	NAT2 (4.2)	SLC22A1 (4.1)	ENSG00000236267 (3
1.08E-03	**<0.05**	LIPC (4.8)	APOC4 (4.3)	SLC22A1 (4.2)
1.09E-03	**<0.05**	CETP (3.7)	CTSB (3.7)	TIMD4 (3.0)
1.12E-03	**<0.05**	F2 (5.9)	SFN (5.4)	APOC3 (5.2)
1.12E-03	**<0.05**	LPL (7.7)	ANGPTL4 (6.1)	MLXIPL (4.1)
1.12E-03	**<0.05**	F2 (7.2)	ANGPTL3 (6.6)	APOA1 (6.5)
1.13E-03	**<0.05**	KHK (4.4)	FADS2 (3.9)	FADS1 (3.6)
1.13E-03	**<0.05**	NAT2 (3.9)	KLF14 (2.9)	ABHD1 (2.6)
1.14E-03	**<0.05**	MLXIPL (3.9)	APOC4 (3.5)	HP (3.5)
1.16E-03	**<0.05**	CYP26A1 (3.1)	KLF14 (2.6)	LPAR2 (2.5)
1.16E-03	**<0.05**	APOA4 (7.6)	APOC1 (7.2)	APOB (6.9)
1.16E-03	**<0.05**	KHK (5.5)	SLC22A1 (3.9)	ANGPTL3 (3.8)
1.17E-03	**<0.05**	F2 (9.2)	APOA1 (9.1)	APOC3 (8.7)
1.17E-03	**<0.05**	EMILIN1 (3.3)	BCAM (3.1)	RSPO3 (3.1)
1.17E-03	**<0.05**	CELF1 (3.2)	TRIB1 (2.7)	PGS1 (2.6)
1.17E-03	**<0.05**	SLC22A1 (6.0)	APOA5 (5.6)	HGFAC (5.6)
1.17E-03	**<0.05**	F2 (6.2)	HP (5.4)	APOB (5.1)
1.18E-03	**<0.05**	LPA (7.1)	NAT2 (7.0)	SLC22A1 (6.9)
1.19E-03	**<0.05**	CBLC (3.5)	MAFF (3.1)	FDFT1 (3.0)
1.19E-03	**<0.05**	CTSB (3.0)	APOC1 (2.2)	FNDC4 (2.1)
1.19E-03	**<0.05**	KDM3A (5.6)	VEGFA (4.6)	TM6SF2 (4.4)
1.21E-03	**<0.05**	RBKS (4.0)	KHK (3.9)	GPAM (3.7)
1.22E-03	**<0.05**	RASIP1 (4.6)	BCAM (4.0)	DOCK6 (4.0)
1.22E-03	**<0.05**	SLC22A1 (6.8)	LPA (5.8)	CYP7A1 (5.2)
1.24E-03	**<0.05**	CTSB (4.9)	BCL3 (4.0)	ABCA1 (3.4)
1.25E-03	**<0.05**	F2 (8.5)	APOB (8.4)	APOC3 (8.2)
1.27E-03	**<0.05**	APOE (7.6)	F2 (6.3)	APOB (6.1)
1.31E-03	**<0.05**	F2 (6.5)	HP (5.6)	APOB (5.5)
1.32E-03	**<0.05**	ENSG00000256746 (3	ABCA1 (2.3)	EPB41L3 (2.2)
1.33E-03	**<0.05**	HDAC5 (4.0)	ARID1A (3.2)	KANK2 (3.1)
1.33E-03	**<0.05**	F2 (5.9)	SFN (5.4)	APOC3 (5.3)

1.33E-03	**<0.05**	ENSG00000222035 (2	TIMD4 (2.2)	PTPRJ (2.2)
1.34E-03	**<0.05**	CTSB (3.9)	TIMD4 (3.8)	ABCA1 (3.4)
1.36E-03	**<0.05**	TMEM214 (7.4)	PDIA3 (5.9)	PREB (5.1)
1.36E-03	**<0.05**	KDM3A (4.4)	AMBRA1 (3.1)	NSMAF (3.0)
1.37E-03	**<0.05**	ANGPTL4 (5.9)	LPL (4.8)	MLXIPL (4.4)
1.41E-03	**<0.05**	APOE (4.8)	CTSB (3.7)	CETP (3.5)
1.41E-03	**<0.05**	LPL (6.4)	NR1H3 (4.8)	CD300LG (4.0)
1.41E-03	**<0.05**	TRIB1 (3.5)	C19orf80 (3.0)	JMJD1C (2.8)
1.41E-03	**<0.05**	TIMD4 (5.5)	APOE (5.5)	PLTP (4.7)
1.42E-03	**<0.05**	NRBP1 (3.4)	BUD13 (3.4)	NRBF2 (2.9)
1.44E-03	**<0.05**	GCKR (3.1)	LIPC (3.0)	ANGPTL3 (3.0)
1.44E-03	**<0.05**	NR1H3 (3.4)	SLC5A6 (3.1)	CGREF1 (3.1)
1.44E-03	**<0.05**	RASIP1 (3.7)	ENSG00000226645 (3	DOCK6 (3.4)
1.45E-03	**<0.05**	F2 (6.6)	APOC3 (5.4)	APOB (5.0)
1.45E-03	**<0.05**	MLXIPL (3.7)	GPAM (3.5)	NR1H3 (3.2)
1.45E-03	**<0.05**	ANGPTL3 (6.6)	F2 (6.3)	LIPC (5.6)
1.45E-03	**<0.05**	SLC22A1 (6.2)	LPA (4.8)	KHK (4.7)
1.46E-03	**<0.05**	LPA (8.2)	APOC4 (7.6)	ANGPTL3 (7.6)
1.47E-03	**<0.05**	TAGLN (4.0)	ARHGAP1 (3.5)	BCL3 (3.1)
1.48E-03	**<0.05**	ENSG00000222035 (2	EMILIN1 (2.6)	TIMD4 (2.5)
1.48E-03	**<0.05**	CMIP (3.3)	ENSG00000257711 (3	CD300LG (2.8)
1.48E-03	**<0.05**	F2 (3.9)	CTSB (3.4)	APOB (3.3)
1.49E-03	**<0.05**	PPY (9.0)	MLXIPL (4.9)	PYY (3.7)
1.50E-03	**<0.05**	ANGPTL3 (7.3)	APOC4 (6.0)	F2 (5.8)
1.50E-03	**<0.05**	TMED5 (4.3)	GALNT2 (4.0)	PIGV (3.3)
1.51E-03	**<0.05**	APOA4 (7.1)	APOC1 (6.7)	APOB (6.5)
1.51E-03	**<0.05**	SLC22A1 (7.2)	LPA (6.0)	HGFAC (5.4)
1.51E-03	**<0.05**	DNAJC5G (3.8)	CBLC (3.7)	KRTCAP3 (3.2)
1.52E-03	**<0.05**	TAGLN (4.4)	EMILIN1 (4.0)	CD300LG (3.4)
1.54E-03	**<0.05**	F2 (5.9)	SFN (5.5)	APOC3 (5.3)
1.57E-03	**<0.05**	APOC3 (5.2)	F2 (4.8)	APOB (4.6)
1.58E-03	**<0.05**	MAFF (2.6)	NEIL2 (2.1)	ZNF513 (2.1)
1.58E-03	**<0.05**	PPY (4.3)	KLF14 (3.7)	MLXIPL (3.4)
1.60E-03	**<0.05**	TECTB (2.8)	SLC22A3 (2.5)	LPAL2 (2.4)
1.60E-03	**<0.05**	PPY (7.4)	PYY (6.0)	ENSG00000182329 (3
1.62E-03	**<0.05**	APOC4 (6.0)	NAGS (5.1)	APOA5 (4.9)
1.62E-03	**<0.05**	CTSB (4.0)	PPY (3.6)	PYY (3.4)
1.65E-03	**<0.05**	CSGALNACT1 (3.0)	COBLL1 (2.8)	ENSG00000182319 (2
1.66E-03	**<0.05**	DOCK7 (2.7)	ARID1A (2.6)	PVRL2 (2.6)
1.68E-03	**<0.05**	APOA1 (7.2)	APOB (6.7)	F2 (6.6)
1.73E-03	**<0.05**	FNDC4 (3.3)	NR0B2 (3.1)	GCKR (2.7)
1.74E-03	**<0.05**	BCL3 (3.5)	GALNT2 (3.2)	PTPN13 (3.1)
1.74E-03	**<0.05**	PCIF1 (4.3)	ARID1A (3.4)	TRIB1 (3.2)
1.75E-03	**<0.05**	TRIB1 (4.0)	APOC1 (3.3)	MAFF (3.1)
1.76E-03	**<0.05**	ENSG00000182319 (3	DPYSL5 (2.7)	ENSG00000254235 (2
1.77E-03	**<0.05**	APOA4 (3.8)	GPAM (3.7)	MLXIPL (3.6)
1.78E-03	**<0.05**	APOC4 (4.5)	F2 (3.4)	TIMD4 (3.4)
1.79E-03	**<0.05**	ANGPTL3 (4.9)	F2 (4.7)	GCKR (4.1)
1.81E-03	**<0.05**	VEGFA (4.1)	ANGPTL4 (3.8)	ANGPTL3 (3.5)
1.81E-03	**<0.05**	BCL3 (2.9)	COBLL1 (2.6)	TMED5 (2.6)

1.83E-03	**<0.05**	PDIA3 (7.7)	APOB (5.9)	APOA4 (5.1)
1.83E-03	**<0.05**	BCL3 (4.5)	ZNF513 (3.4)	GMIP (3.4)
1.84E-03	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
1.84E-03	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
1.84E-03	**<0.05**	APOC1 (4.1)	APOA4 (4.1)	LIPC (3.8)
1.84E-03	**<0.05**	LIPC (3.1)	HP (2.7)	PTPRJ (2.6)
1.85E-03	**<0.05**	VEGFA (3.4)	ABCA1 (2.8)	ARID1A (2.8)
1.89E-03	**<0.05**	GMIP (3.7)	BCL3 (3.5)	CD300LG (3.1)
1.91E-03	**<0.05**	C1orf172 (4.7)	SFN (3.9)	FUT1 (3.4)
1.91E-03	**<0.05**	NAT2 (3.3)	TECTB (2.7)	GCKR (2.3)
1.94E-03	**<0.05**	SLC22A1 (8.0)	LPA (7.3)	CYP7A1 (6.0)
1.94E-03	**<0.05**	RASIP1 (7.2)	CETP (6.1)	DOCK6 (3.9)
1.94E-03	**<0.05**	ANGPTL3 (5.0)	SLC22A1 (4.9)	APOA5 (4.8)
1.95E-03	**<0.05**	KHK (4.5)	SLC22A1 (3.4)	FADS2 (3.3)
1.97E-03	**<0.05**	PPY (4.3)	TM6SF2 (3.9)	MLXIPL (3.5)
1.97E-03	**<0.05**	ENSG00000254235 (3	TIMD4 (2.9)	KDM3A (2.8)
1.97E-03	**<0.05**	NR1H3 (3.5)	APOE (3.1)	ANGPTL4 (3.0)
1.99E-03	**<0.05**	LPL (6.5)	ANGPTL4 (6.2)	GPAM (5.5)
2.01E-03	**<0.05**	HP (5.5)	CETP (5.3)	TIMD4 (4.0)
2.05E-03	**<0.05**	APOA4 (5.3)	APOC3 (5.2)	APOA1 (4.9)
2.06E-03	**<0.05**	F2 (8.7)	APOA1 (8.3)	APOB (7.7)
2.06E-03	**<0.05**	TRIB1 (3.6)	C11orf9 (3.1)	GATA4 (2.9)
2.09E-03	**<0.05**	APOC1 (5.0)	FADS2 (4.7)	FADS1 (4.6)
2.09E-03	**<0.05**	ENSG00000255020 (4	HAVCR1 (3.6)	TDH (3.5)
2.10E-03	**<0.05**	F2 (9.0)	APOB (8.6)	APOA1 (8.4)
2.12E-03	**<0.05**	MAFF (5.7)	TRIB1 (5.4)	FGF21 (4.3)
2.13E-03	**<0.05**	FZD9 (4.0)	BCAM (3.8)	SOST (3.5)
2.15E-03	**<0.05**	NR0B2 (3.2)	FNDC4 (3.1)	C8orf49 (2.8)
2.18E-03	**<0.05**	F2 (8.3)	APOA1 (8.0)	APOB (7.4)
2.20E-03	**<0.05**	LPL (6.6)	MLXIPL (4.0)	ANGPTL4 (3.8)
2.20E-03	**<0.05**	APOE (7.8)	F2 (6.3)	APOB (6.2)
2.21E-03	**<0.05**	APOA5 (6.0)	KHK (6.0)	APOA4 (5.9)
2.21E-03	**<0.05**	F2 (5.9)	C19orf80 (5.2)	HGFAC (4.9)
2.21E-03	**<0.05**	LRP4 (3.5)	FAM167A (2.8)	PACSIN3 (2.7)
2.22E-03	**<0.05**	PPY (7.5)	MLXIPL (4.5)	GPAM (3.3)
2.26E-03	**<0.05**	EMILIN1 (4.5)	APOE (4.4)	TAGLN (4.1)
2.27E-03	**<0.05**	TAGLN (5.7)	ARHGAP1 (3.9)	DUSP3 (2.7)
2.27E-03	**<0.05**	F2 (8.4)	APOB (7.8)	APOA1 (7.7)
2.28E-03	**<0.05**	FUT1 (3.1)	RASIP1 (2.6)	DOCK6 (2.5)
2.31E-03	**<0.05**	TRIB1 (5.3)	PGS1 (4.0)	HP (3.6)
2.31E-03	**<0.05**	CILP2 (6.1)	TAGLN (3.7)	BMPR2 (3.2)
2.33E-03	**<0.05**	F2 (6.7)	LIPC (5.4)	HP (5.2)
2.34E-03	**<0.05**	GPAM (4.5)	MLXIPL (4.3)	FDFT1 (3.7)
2.34E-03	**<0.05**	PGS1 (3.8)	HP (3.5)	PTPRJ (3.0)
2.38E-03	**<0.05**	LPAL2 (3.5)	LPA (3.5)	ABHD1 (3.4)
2.40E-03	**<0.05**	F2 (8.1)	APOA1 (8.1)	APOB (7.3)
2.41E-03	**<0.05**	VEGFA (5.4)	KDM3A (4.7)	C19orf80 (3.7)
2.41E-03	**<0.05**	CSGALNACT1 (3.3)	COBLL1 (3.1)	ENSG00000182319 (2
2.43E-03	**<0.05**	GMIP (3.4)	TRIB1 (2.9)	CTSB (2.8)
2.43E-03	**<0.05**	RFX4 (2.8)	CYP26A1 (2.6)	RSPO3 (2.5)

2.44E-03	**<0.05**	MLXIPL (2.5)	NR0B2 (2.5)	C11orf9 (2.3)
2.45E-03	**<0.05**	CYP7A1 (4.1)	ABHD1 (4.0)	MLXIPL (3.6)
2.45E-03	**<0.05**	TIMD4 (3.7)	GCKR (3.5)	PLTP (3.3)
2.45E-03	**<0.05**	APOE (7.8)	F2 (6.3)	APOB (6.2)
2.46E-03	**<0.05**	FADS1 (3.7)	BLK (3.2)	IGF2R (2.7)
2.46E-03	**<0.05**	PTPN13 (4.1)	CYP26A1 (3.4)	TP53BP1 (2.6)
2.46E-03	**<0.05**	CCDC92 (3.1)	STRC (2.9)	IGF2R (2.7)
2.47E-03	**<0.05**	FADS2 (5.9)	FDFT1 (5.8)	CYP7A1 (5.4)
2.48E-03	**<0.05**	PPY (6.3)	ANGPTL4 (4.5)	LPL (4.3)
2.49E-03	**<0.05**	KDM3A (4.4)	DOCK7 (3.5)	KHK (3.1)
2.49E-03	**<0.05**	NUP160 (3.6)	INTS10 (3.5)	ANGPTL3 (3.5)
2.50E-03	**<0.05**	NR1H3 (4.4)	APOC1 (4.2)	BCL3 (3.7)
2.51E-03	**<0.05**	TIMD4 (3.4)	EPB41L3 (3.0)	ENSG00000222035 (2
2.52E-03	**<0.05**	APOB (3.6)	GATA4 (3.1)	RASIP1 (3.0)
2.52E-03	**<0.05**	TECTB (4.1)	CTSB (3.6)	SOST (2.8)
2.55E-03	**<0.05**	F2 (3.6)	MAFF (3.2)	APOB (3.0)
2.55E-03	**<0.05**	TAGLN (5.4)	PVRL2 (3.9)	BCAM (3.9)
2.57E-03	**<0.05**	HP (3.7)	APOC1 (3.7)	APOA5 (3.6)
2.58E-03	**<0.05**	C8orf49 (4.0)	KDM3A (3.7)	C19orf80 (3.2)
2.61E-03	**<0.05**	GCKR (3.1)	FNDC4 (3.1)	NR0B2 (2.6)
2.63E-03	**<0.05**	FUT1 (3.8)	TMEM214 (2.4)	C1orf172 (2.3)
2.64E-03	**<0.05**	APOE (7.6)	F2 (6.7)	APOB (6.6)
2.65E-03	**<0.05**	TAGLN (4.8)	EMILIN1 (4.4)	ANGPTL3 (3.4)
2.66E-03	**<0.05**	EMILIN1 (4.6)	C11orf9 (4.2)	FUT2 (3.3)
2.67E-03	**<0.05**	F2 (5.8)	SFN (5.6)	APOC3 (5.2)
2.67E-03	**<0.05**	AMBRA1 (2.9)	MAFF (2.8)	ARFGAP2 (2.4)
2.69E-03	**<0.05**	PPY (5.3)	HGFAC (5.1)	HP (4.4)
2.70E-03	**<0.05**	BCL3 (4.9)	TRIB1 (4.3)	MAFF (4.2)
2.71E-03	**<0.05**	EMILIN1 (4.4)	TAGLN (4.0)	APOE (3.4)
2.72E-03	**<0.05**	LIPC (4.0)	TIMD4 (3.3)	CCDC92 (3.1)
2.73E-03	**<0.05**	F2 (8.2)	APOB (7.8)	APOA1 (7.6)
2.74E-03	**<0.05**	PPY (10.8)	PYY (6.5)	MLXIPL (4.2)
2.74E-03	**<0.05**	GATAD2A (3.1)	C1orf172 (2.9)	APOE (2.9)
2.74E-03	**<0.05**	PTCD3 (5.0)	IMMT (4.6)	MRPL35 (3.8)
2.77E-03	**<0.05**	SLC22A3 (3.6)	CETP (3.3)	BCL3 (3.3)
2.78E-03	**<0.05**	CLPTM1 (4.2)	SLC5A6 (3.2)	RBKS (3.0)
2.79E-03	**<0.05**	SLC5A6 (3.7)	G6PC3 (3.7)	ATP13A1 (3.3)
2.89E-03	**<0.05**	APOE (5.9)	TIMD4 (4.9)	PLTP (4.7)
2.89E-03	**<0.05**	BCAM (3.3)	VEGFA (3.2)	GALNT2 (3.0)
2.93E-03	**<0.05**	PDIA3 (4.0)	ANGPTL3 (3.4)	EIF3J (3.2)
2.93E-03	**<0.05**	BCL3 (5.4)	MAFF (3.6)	TRIB1 (3.3)
2.96E-03	**<0.05**	FADS1 (4.8)	MAFF (4.1)	SFN (3.6)
2.97E-03	**<0.05**	PPY (4.3)	NR1H3 (4.0)	CETP (4.0)
2.97E-03	**<0.05**	MAFF (4.4)	BCL3 (3.3)	DUSP3 (3.2)
2.97E-03	**<0.05**	MYBPC3 (8.5)	TRIM54 (4.3)	GATA4 (4.1)
2.98E-03	**<0.05**	LPA (7.1)	TIMD4 (5.1)	SLC22A1 (4.3)
2.99E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.8)
3.00E-03	**<0.05**	TIMD4 (3.6)	BMPR2 (2.9)	CD300LG (2.8)
3.00E-03	**<0.05**	SLC22A3 (3.5)	TM6SF2 (2.6)	NR1H3 (2.5)
3.01E-03	**<0.05**	APOC4 (8.3)	APOA5 (6.9)	ANGPTL3 (6.8)

3.06E-03	**<0.05**	TM6SF2 (3.6)	NAGS (3.5)	ABHD1 (3.5)
3.10E-03	**<0.05**	APOA4 (5.4)	TIMD4 (3.6)	NR0B2 (3.6)
3.11E-03	**<0.05**	CTSB (2.6)	BCL3 (2.6)	AFF1 (2.5)
3.13E-03	**<0.05**	UCN (3.3)	NAT2 (3.0)	RASIP1 (2.8)
3.14E-03	**<0.05**	LPAL2 (4.2)	LPA (3.8)	SLC22A1 (3.2)
3.14E-03	**<0.05**	LPAL2 (4.2)	LPA (3.8)	SLC22A1 (3.2)
3.14E-03	**<0.05**	CILP2 (3.2)	PTPRJ (3.2)	GMIP (2.8)
3.15E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
3.15E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
3.16E-03	**<0.05**	MTMR9 (4.6)	INTS10 (3.4)	NEIL2 (2.6)
3.16E-03	**<0.05**	CILP2 (5.5)	BMPR2 (4.1)	TAGLN (3.8)
3.19E-03	**<0.05**	F2 (8.3)	APOA1 (8.2)	APOB (7.5)
3.20E-03	**<0.05**	EMILIN1 (5.0)	HAVCR1 (4.9)	HAPLN4 (3.9)
3.23E-03	**<0.05**	LRP4 (3.7)	CYP26A1 (3.5)	FZD9 (3.0)
3.24E-03	**<0.05**	APOA4 (6.1)	APOC3 (4.9)	APOB (4.8)
3.28E-03	**<0.05**	APOC4 (9.0)	APOA5 (7.7)	ANGPTL3 (7.7)
3.29E-03	**<0.05**	BLK (3.3)	SOST (2.8)	CGREF1 (2.8)
3.30E-03	**<0.05**	PDIA3 (5.6)	APOA4 (3.9)	APOA1 (3.8)
3.31E-03	**<0.05**	FAM167A (4.8)	LRP4 (3.0)	PLTP (2.8)
3.33E-03	**<0.05**	APOE (7.6)	F2 (6.3)	APOB (6.2)
3.34E-03	**<0.05**	SFN (4.2)	FUT1 (3.6)	C1orf172 (3.3)
3.35E-03	**<0.05**	PPY (4.5)	PYY (4.2)	MLXIPL (3.2)
3.35E-03	**<0.05**	PPY (4.5)	PYY (4.2)	MLXIPL (3.2)
3.36E-03	**<0.05**	CTSB (3.5)	HGFAC (2.5)	KANK2 (2.5)
3.36E-03	**<0.05**	FADS2 (4.1)	GPAM (3.6)	FADS1 (3.4)
3.36E-03	**<0.05**	REEP3 (3.1)	APOB (3.1)	APOC3 (2.9)
3.40E-03	**<0.05**	LPL (5.2)	ANGPTL4 (5.2)	NR1H3 (4.1)
3.40E-03	**<0.05**	F2 (8.3)	APOB (7.8)	APOA1 (7.7)
3.41E-03	**<0.05**	APOE (6.6)	PLTP (5.5)	TIMD4 (5.2)
3.41E-03	**<0.05**	APOE (6.6)	PLTP (5.5)	TIMD4 (5.2)
3.41E-03	**<0.05**	CYP7A1 (4.0)	SLC22A1 (3.7)	TM6SF2 (3.4)
3.45E-03	**<0.05**	KHK (3.9)	FADS2 (3.5)	FADS1 (3.4)
3.47E-03	**<0.05**	VEGFA (4.2)	TAGLN (3.4)	PVRL2 (3.2)
3.50E-03	<0.20	F2 (8.6)	APOB (8.1)	APOA1 (8.0)
3.51E-03	<0.20	F2 (4.4)	APOB (4.0)	APOA1 (3.5)
3.51E-03	<0.20	MYBPC3 (8.2)	GATA4 (5.0)	VEGFA (4.4)
3.53E-03	<0.20	F2 (8.3)	APOA1 (7.8)	APOB (7.7)
3.56E-03	<0.20	APOA4 (4.1)	GPAM (4.0)	MLXIPL (3.8)
3.56E-03	<0.20	APOA4 (4.1)	GPAM (4.0)	MLXIPL (3.8)
3.56E-03	<0.20	APOA4 (4.1)	GPAM (4.0)	MLXIPL (3.8)
3.58E-03	<0.20	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
3.58E-03	<0.20	APOA4 (4.6)	APOC1 (4.1)	APOE (3.8)
3.58E-03	<0.20	SLC22A1 (6.5)	CYP7A1 (6.1)	LPA (5.9)
3.60E-03	<0.20	GMIP (3.9)	BLK (3.8)	CD300LG (3.3)
3.60E-03	<0.20	CD300LG (3.7)	GPAM (2.8)	MLXIPL (2.7)
3.60E-03	<0.20	APOA4 (4.3)	NR0B2 (3.4)	TM6SF2 (3.4)
3.62E-03	<0.20	MAFF (4.7)	PPY (4.4)	ANGPTL4 (4.0)
3.64E-03	<0.20	APOE (7.7)	F2 (6.2)	APOB (5.8)
3.64E-03	<0.20	F2 (5.8)	LIPC (5.4)	ANGPTL3 (5.2)
3.65E-03	<0.20	SLC22A1 (8.7)	NAT2 (6.6)	LPA (6.2)

3.65E-03	<0.20	ENSG00000256746 (2	ENSG00000222035 (2	RSPO3 (2.4)
3.69E-03	<0.20	PPY (6.0)	MLXIPL (5.8)	GPAM (3.2)
3.71E-03	<0.20	DDB2 (3.1)	CITED2 (2.8)	ENSG00000254235 (2
3.72E-03	<0.20	BCL3 (4.7)	ZDHHC18 (3.0)	TRIB1 (2.7)
3.73E-03	<0.20	BCL3 (4.2)	ENSG00000256731 (3	CETP (2.9)
3.81E-03	<0.20	PTCD3 (4.8)	IMMT (4.4)	MRPL35 (3.8)
3.81E-03	<0.20	CILP2 (3.0)	FZD9 (2.5)	COBLL1 (2.4)
3.82E-03	<0.20	APOC3 (4.2)	APOA4 (4.2)	APOA1 (4.1)
3.85E-03	<0.20	TRIB1 (3.8)	MAFF (3.5)	CETP (3.1)
3.85E-03	<0.20	KANK2 (3.7)	VEGFA (3.2)	ARID1A (2.7)
3.86E-03	<0.20	BCAM (3.7)	EMILIN1 (2.8)	TAGLN (2.8)
3.87E-03	<0.20	EMILIN1 (2.8)	ACP2 (2.5)	CETP (2.4)
3.87E-03	<0.20	MPV17 (2.9)	RBKS (2.8)	HARBI1 (2.7)
3.88E-03	<0.20	HP (8.5)	LPA (4.6)	APOC4 (4.2)
3.89E-03	<0.20	MLXIPL (2.9)	ENSG00000200241 (2	C17orf105 (2.7)
3.89E-03	<0.20	APOA1 (7.4)	APOB (6.8)	F2 (6.8)
3.90E-03	<0.20	EMILIN1 (4.4)	TAGLN (4.3)	APOE (3.1)
3.91E-03	<0.20	CYP26A1 (3.0)	PVRL2 (2.4)	RFX4 (2.1)
3.92E-03	<0.20	ATG4C (3.7)	PREB (2.8)	KHK (2.7)
3.93E-03	<0.20	PPY (6.5)	PYY (6.1)	APOA4 (3.5)
3.94E-03	<0.20	BCAM (3.8)	KANK2 (3.4)	GALNT2 (3.2)
3.95E-03	<0.20	F2 (8.0)	APOB (7.7)	APOA1 (7.6)
3.97E-03	<0.20	F2 (7.9)	APOB (7.8)	APOA1 (7.5)
4.00E-03	<0.20	DOCK6 (3.3)	EMILIN1 (3.1)	RASIP1 (2.8)
4.03E-03	<0.20	TAGLN (4.1)	ENSG00000256731 (3	APOC4 (3.5)
4.06E-03	<0.20	LPA (3.6)	ENSG00000236267 (3	LPAL2 (3.3)
4.09E-03	<0.20	SLC22A1 (6.4)	LPA (6.1)	CYP7A1 (5.6)
4.11E-03	<0.20	SFN (6.3)	CBLC (4.6)	SDC1 (3.6)
4.14E-03	<0.20	ANGPTL3 (4.7)	APOC4 (4.4)	KHK (3.9)
4.16E-03	<0.20	PPY (5.4)	HP (4.4)	PYY (4.2)
4.17E-03	<0.20	LINC00208 (3.4)	ENSG00000223522 (2	CD300LG (2.5)
4.19E-03	<0.20	ANGPTL3 (6.4)	LIPC (6.4)	APOC4 (6.1)
4.19E-03	<0.20	EMILIN1 (4.2)	TAGLN (3.7)	CSGALNACT1 (3.6)
4.19E-03	<0.20	BCL3 (4.2)	SLC22A3 (2.9)	TIMD4 (2.9)
4.25E-03	<0.20	TIMD4 (2.7)	ACP2 (2.7)	ENSG00000222035 (2
4.26E-03	<0.20	PTPN13 (3.6)	DPYSL5 (3.0)	AGBL5 (2.8)
4.27E-03	<0.20	TAGLN (5.9)	ARHGAP1 (3.8)	DUSP3 (3.0)
4.28E-03	<0.20	F2 (8.2)	APOB (7.8)	APOA1 (7.8)
4.29E-03	<0.20	KHK (3.3)	RBKS (3.2)	CYP7A1 (3.1)
4.34E-03	<0.20	LPA (3.9)	ZDHHC18 (3.4)	RASIP1 (2.9)
4.35E-03	<0.20	F2 (7.4)	LIPC (7.1)	APOA1 (6.8)
4.38E-03	<0.20	POLR1A (4.2)	CAD (4.0)	ZNF259 (3.8)
4.40E-03	<0.20	F2 (7.2)	ANGPTL3 (6.4)	LIPC (6.0)
4.40E-03	<0.20	LIPC (7.8)	F2 (7.8)	ANGPTL3 (7.7)
4.40E-03	<0.20	FNDC4 (4.9)	FADS1 (3.6)	GALNT2 (2.9)
4.46E-03	<0.20	BUD13 (3.7)	ZNF664 (2.4)	CCDC92 (2.4)
4.48E-03	<0.20	CAD (4.3)	POLR1A (4.2)	ZNF259 (3.7)
4.50E-03	<0.20	PDIA3 (3.2)	ATG13 (3.2)	NRBP1 (2.9)
4.52E-03	<0.20	CYP26A1 (5.0)	GATA4 (3.6)	RSPO3 (2.7)
4.55E-03	<0.20	MLXIPL (6.2)	LPL (6.2)	GPAM (5.7)

4.55E-03	<0.20	PTPN13 (4.9)	DOCK7 (3.4)	ARID1A (3.1)
4.57E-03	<0.20	VEGFA (3.0)	REEP3 (2.8)	DOCK6 (2.7)
4.57E-03	<0.20	APOC4 (9.2)	CYP7A1 (7.6)	APOA5 (7.5)
4.58E-03	<0.20	APOC1 (3.3)	MADD (2.9)	TM6SF2 (2.6)
4.59E-03	<0.20	GCKR (2.8)	TSSK6 (2.5)	FNBP4 (2.3)
4.60E-03	<0.20	ANGPTL3 (5.5)	APOC4 (5.2)	HP (4.5)
4.60E-03	<0.20	RFX4 (3.1)	NCAN (2.6)	LRP4 (2.5)
4.61E-03	<0.20	GMIP (3.6)	CD300LG (3.3)	BLK (2.7)
4.62E-03	<0.20	ENSG00000222035 (3	ENSG00000256746 (3	RSPO3 (3.0)
4.62E-03	<0.20	SLC22A1 (11.2)	NAT2 (8.0)	LPA (7.8)
4.64E-03	<0.20	PVRL2 (4.4)	GATA4 (4.1)	C11orf9 (4.1)
4.64E-03	<0.20	ABCA1 (3.8)	SDC1 (3.4)	CETP (2.5)
4.65E-03	<0.20	AFF1 (3.6)	NFE2L3 (2.7)	CITED2 (2.7)
4.65E-03	<0.20	APOC4 (4.9)	APOA5 (4.4)	GCKR (4.0)
4.66E-03	<0.20	TRNP1 (2.6)	PVRL2 (2.6)	ABO (2.5)
4.66E-03	<0.20	C8orf49 (5.8)	PVRL2 (3.3)	ZNF513 (3.0)
4.69E-03	<0.20	ANGPTL4 (4.0)	IMMT (2.9)	MPV17 (2.7)
4.71E-03	<0.20	FDFT1 (6.6)	FADS2 (5.8)	FADS1 (5.4)
4.72E-03	<0.20	KANK2 (3.3)	PTPRJ (2.9)	EMILIN1 (2.8)
4.73E-03	<0.20	LPA (6.7)	APOA5 (5.6)	HGFAC (5.3)
4.74E-03	<0.20	HP (8.8)	F2 (6.3)	ANGPTL3 (5.6)
4.76E-03	<0.20	APOC4 (10.3)	APOA5 (8.5)	CYP7A1 (8.0)
4.78E-03	<0.20	CD300LG (3.1)	EMILIN1 (2.9)	HDAC5 (2.7)
4.80E-03	<0.20	TIMD4 (6.1)	HP (3.8)	ACP2 (3.6)
4.83E-03	<0.20	CYP7A1 (4.5)	ABHD1 (3.8)	MLXIPL (3.6)
4.83E-03	<0.20	UCN (3.4)	NAT2 (3.0)	RASIP1 (2.8)
4.85E-03	<0.20	BNC2 (3.9)	FADS1 (3.2)	DNAJC5G (2.8)
4.85E-03	<0.20	ENSG00000179523 (3	ARFGAP2 (3.5)	C11orf49 (3.0)
4.86E-03	<0.20	UCN (3.3)	NAT2 (2.9)	ENSG00000182329 (2
4.86E-03	<0.20	APOA4 (3.6)	ENSG00000223522 (3	TM6SF2 (3.3)
4.87E-03	<0.20	ABCA1 (3.9)	APOE (3.4)	LPL (3.0)
4.90E-03	<0.20	F2 (6.2)	LIPC (5.3)	APOB (5.2)
4.94E-03	<0.20	ANGPTL3 (3.9)	KHK (3.4)	SLC22A1 (3.1)
4.94E-03	<0.20	MYBPC3 (5.8)	VEGFA (4.0)	GATA4 (4.0)
4.97E-03	<0.20	KLF14 (4.1)	FADS2 (3.9)	FADS1 (3.9)
5.02E-03	<0.20	BCL3 (3.8)	PGS1 (3.0)	CD300LG (2.1)
5.03E-03	<0.20	C19orf80 (4.2)	APOB (3.8)	NR0B2 (3.7)
5.03E-03	<0.20	BCL3 (4.2)	BLK (3.4)	GMIP (3.1)
5.03E-03	<0.20	CYP26A1 (3.0)	PVRL2 (2.4)	RFX4 (2.1)
5.04E-03	<0.20	EMILIN1 (7.5)	FZD9 (3.4)	HAVCR1 (3.4)
5.11E-03	<0.20	APOE (7.4)	F2 (6.5)	APOB (6.4)
5.11E-03	<0.20	WDR76 (3.9)	FEN1 (3.3)	BCL7B (3.1)
5.14E-03	<0.20	KDM3A (6.1)	VEGFA (5.3)	TBL2 (4.7)
5.15E-03	<0.20	RASIP1 (4.2)	MYBPC3 (3.7)	DOCK6 (3.7)
5.16E-03	<0.20	BCL3 (4.7)	TRIB1 (2.9)	ZDHHC18 (2.9)
5.17E-03	<0.20	APOC1 (3.1)	MADD (2.5)	LSM12 (2.4)
5.17E-03	<0.20	MAFF (3.1)	TRIB1 (2.7)	SLC22A3 (2.3)
5.31E-03	<0.20	MAFF (2.8)	FGF21 (2.2)	ABCA1 (2.2)
5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)
5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)

5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)
5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)
5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)
5.32E-03	<0.20	EMILIN1 (5.5)	HAVCR1 (4.8)	HAPLN4 (3.7)
5.36E-03	<0.20	FADS2 (6.4)	FADS1 (6.0)	FDFT1 (5.7)
5.38E-03	<0.20	BLK (3.7)	EMILIN1 (2.6)	GMIP (2.5)
5.40E-03	<0.20	APOA4 (6.6)	APOB (6.0)	APOA1 (5.8)
5.40E-03	<0.20	SOST (4.8)	CILP2 (4.4)	CGREF1 (4.3)
5.41E-03	<0.20	TIMD4 (5.3)	CETP (4.3)	CTSB (4.0)
5.42E-03	<0.20	LPA (6.8)	APOC4 (4.3)	HGFAC (4.1)
5.46E-03	<0.20	KANK2 (3.3)	ARID1A (2.9)	AMBRA1 (2.9)
5.50E-03	<0.20	TAGLN (5.3)	ARHGAP1 (3.3)	KANK2 (3.2)
5.53E-03	<0.20	SLC22A1 (6.7)	NAT2 (5.9)	LPA (5.5)
5.53E-03	<0.20	MAFF (2.9)	KANK2 (2.8)	LRP4 (2.4)
5.54E-03	<0.20	NAT2 (6.6)	CYP7A1 (6.1)	SLC22A1 (5.5)
5.60E-03	<0.20	LPA (7.0)	TIMD4 (4.9)	LPAL2 (4.7)
5.61E-03	<0.20	MLXIPL (4.5)	GPAM (4.4)	FDFT1 (3.6)
5.63E-03	<0.20	PTPN13 (4.0)	RASIP1 (3.1)	LRP4 (2.7)
5.69E-03	<0.20	F2 (5.9)	ANGPTL3 (5.7)	LIPC (5.0)
5.73E-03	<0.20	BCL3 (3.4)	GMIP (3.3)	DDB2 (3.1)
5.76E-03	<0.20	LIPC (3.4)	SLC22A3 (3.1)	CETP (2.9)
5.76E-03	<0.20	APOA4 (4.3)	APOC3 (4.0)	TM6SF2 (4.0)
5.77E-03	<0.20	MPP3 (3.8)	PCSK7 (2.6)	TECTB (2.6)
5.80E-03	<0.20	PGS1 (5.3)	BCL3 (5.2)	ANGPTL4 (2.5)
5.82E-03	<0.20	F2 (7.6)	LIPC (7.1)	APOC3 (6.4)
5.85E-03	<0.20	RASIP1 (3.5)	C8orf49 (2.9)	LINC00208 (2.9)
5.85E-03	<0.20	TAGLN (5.1)	SFN (4.9)	BCAM (4.0)
5.95E-03	<0.20	PPY (5.3)	HGFAC (5.0)	HP (4.1)
5.97E-03	<0.20	CTSB (3.5)	TRIB1 (3.3)	BCL3 (3.2)
5.99E-03	<0.20	PLA2G6 (2.9)	BLK (2.8)	CMIP (2.7)
6.01E-03	<0.20	KHK (5.3)	ANGPTL3 (4.0)	HGFAC (3.4)
6.10E-03	<0.20	FDFT1 (4.4)	GPAM (4.2)	FADS2 (3.5)
6.10E-03	<0.20	FDFT1 (4.4)	GPAM (4.2)	FADS2 (3.5)
6.10E-03	<0.20	PPY (11.5)	PYY (7.5)	MLXIPL (4.5)
6.17E-03	<0.20	BCAM (3.7)	RASIP1 (3.3)	CMIP (3.2)
6.18E-03	<0.20	CYP26A1 (5.2)	GATA4 (2.9)	ABO (2.6)
6.23E-03	<0.20	IGF2R (3.4)	ARID1A (3.3)	DOCK6 (2.8)
6.25E-03	<0.20	NEIL2 (2.6)	ENSG00000257711 (2	ENSG00000253379 (2
6.26E-03	<0.20	DOCK6 (4.3)	FAM167A (4.0)	RASIP1 (3.7)
6.30E-03	<0.20	MLXIPL (3.1)	MTCH2 (3.0)	ENSG00000236267 (3
6.38E-03	<0.20	GMIP (4.3)	BCL3 (4.3)	ZDHHC18 (2.8)
6.46E-03	<0.20	SUMO1 (2.6)	STRC (2.5)	BCL7B (2.3)
6.49E-03	<0.20	CCDC92 (3.7)	LIPC (3.6)	CETP (3.5)
6.52E-03	<0.20	ABHD1 (4.1)	LPAL2 (3.7)	NAT2 (3.2)
6.54E-03	<0.20	ENSG00000256746 (3	C8orf49 (3.0)	AGBL2 (2.9)
6.65E-03	<0.20	HP (5.2)	LIPC (4.1)	APOA5 (4.0)
6.66E-03	<0.20	PPY (5.3)	HGFAC (5.0)	HP (4.2)
6.67E-03	<0.20	BCL3 (3.9)	ENSG00000256731 (3	SLC22A3 (3.1)
6.70E-03	<0.20	APOA1 (6.9)	APOB (6.7)	F2 (6.0)
6.70E-03	<0.20	GPAM (4.0)	APOA4 (3.9)	MLXIPL (3.7)

6.78E-03	<0.20	CYP7A1 (3.9)	ENSG00000223522 (2	NR0B2 (2.5)
6.80E-03	<0.20	BCL3 (4.0)	TIMD4 (3.7)	SLC22A3 (3.2)
6.95E-03	<0.20	MLXIPL (4.1)	GPAM (4.0)	C19orf80 (3.9)
7.01E-03	<0.20	HDAC5 (2.8)	ZNF335 (2.6)	MAMSTR (2.6)
7.03E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC22A3 (2.9)
7.04E-03	<0.20	FADS2 (3.7)	BCL3 (3.1)	RASIP1 (2.8)
7.04E-03	<0.20	BLK (3.5)	CETP (2.9)	ZDHHC18 (2.8)
7.04E-03	<0.20	BCL3 (5.1)	TRIB1 (4.4)	BMPR2 (3.2)
7.07E-03	<0.20	GATA4 (3.4)	ATP13A1 (3.1)	KDM3A (3.0)
7.19E-03	<0.20	TMED5 (4.2)	PLTP (4.0)	GALNT2 (3.4)
7.29E-03	<0.20	BCAM (3.5)	CYP26A1 (2.9)	PCSK7 (2.3)
7.40E-03	<0.20	DOCK6 (5.3)	RASIP1 (5.2)	ANGPTL4 (3.2)
7.42E-03	<0.20	CYP26A1 (3.5)	MYBPC3 (3.3)	DNAH10 (3.1)
7.43E-03	<0.20	HP (5.9)	ANGPTL3 (5.2)	F2 (4.1)
7.47E-03	<0.20	CILP2 (6.9)	FZD9 (4.5)	SDC1 (3.2)
7.49E-03	<0.20	APOE (3.5)	RASIP1 (2.6)	LPL (2.5)
7.55E-03	<0.20	MYBPC3 (6.6)	FRMD5 (3.8)	GATA4 (3.6)
7.58E-03	<0.20	MLXIPL (3.7)	C19orf80 (3.3)	NR0B2 (3.0)
7.61E-03	<0.20	BCL3 (3.6)	ZDHHC18 (3.1)	SLC22A3 (2.7)
7.61E-03	<0.20	APOA1 (3.3)	APOB (3.2)	GATA4 (3.0)
7.63E-03	<0.20	LIPC (5.4)	F2 (4.2)	APOA1 (4.0)
7.63E-03	<0.20	SLC22A3 (4.4)	ENSG00000256731 (4	BCL3 (3.7)
7.73E-03	<0.20	BLK (3.0)	ARID1A (2.8)	CBLC (2.7)
7.75E-03	<0.20	CD300LG (3.8)	MLXIPL (3.1)	LPL (2.9)
7.81E-03	<0.20	BCL3 (3.4)	ZDHHC18 (3.0)	SLC22A3 (3.0)
7.81E-03	<0.20	PPY (3.3)	ENSG00000257711 (3	FGF21 (3.1)
7.82E-03	<0.20	FNDC4 (4.3)	KLF14 (3.7)	FADS1 (3.4)
7.82E-03	<0.20	ANGPTL3 (5.2)	HP (5.0)	F2 (5.0)
7.83E-03	<0.20	TRIB1 (3.3)	CITED2 (3.0)	DNAJC5G (2.2)
7.84E-03	<0.20	EMILIN1 (4.8)	HAVCR1 (4.4)	HAPLN4 (3.5)
7.84E-03	<0.20	APOE (3.5)	MAPRE3 (3.4)	TAGLN (3.2)
7.84E-03	<0.20	C8orf49 (4.2)	C19orf80 (3.2)	GATA4 (3.0)
7.85E-03	<0.20	LIPC (4.7)	F2 (4.7)	APOA1 (4.3)
7.90E-03	<0.20	REEP3 (2.4)	FNDC4 (2.3)	RFX4 (2.3)
7.93E-03	<0.20	EMILIN1 (5.1)	HAVCR1 (4.6)	LRP4 (3.3)
7.94E-03	<0.20	NFE2L3 (3.8)	SFN (3.5)	SDC1 (3.1)
7.95E-03	<0.20	CYP26A1 (3.9)	ARID1A (2.9)	LRP4 (2.9)
7.97E-03	<0.20	BCL3 (3.3)	ZDHHC18 (2.8)	ABCA1 (2.5)
7.98E-03	<0.20	HGFAC (2.8)	KDM3A (2.7)	NR0B2 (2.4)
7.98E-03	<0.20	MAFF (2.9)	SFN (2.7)	ANGPTL4 (2.7)
7.99E-03	<0.20	LPL (5.4)	GPAM (4.2)	MLXIPL (4.1)
8.01E-03	<0.20	BCL3 (3.0)	PGS1 (2.5)	CTSB (2.2)
8.01E-03	<0.20	DPYSL5 (4.0)	RFX4 (3.8)	NCAN (2.6)
8.09E-03	<0.20	ENSG00000254235 (3	JMJD1C (2.5)	ENSG00000234945 (2
8.09E-03	<0.20	F2 (7.6)	LIPC (6.7)	APOC3 (6.5)
8.10E-03	<0.20	ZDHHC18 (3.7)	FADS1 (3.6)	MAFF (3.4)
8.11E-03	<0.20	SDCBP (3.4)	CLPTM1 (2.6)	DOCK7 (2.4)
8.13E-03	<0.20	F2 (6.9)	APOB (6.2)	APOA1 (6.1)
8.14E-03	<0.20	UBXN2B (3.2)	SDCBP (2.7)	BRE (2.4)
8.15E-03	<0.20	APOA5 (6.6)	APOC4 (5.9)	NAGS (5.2)

8.18E-03	<0.20	GCKR (3.2)	HGFAC (3.1)	CCDC92 (3.1)
8.20E-03	<0.20	C1orf172 (3.6)	FUT2 (3.6)	PYY (2.7)
8.21E-03	<0.20	FNDC4 (3.8)	RBKS (3.7)	FADS1 (3.7)
8.24E-03	<0.20	PLTP (3.7)	TAGLN (3.2)	KANK2 (2.8)
8.25E-03	<0.20	BMPR2 (5.3)	CCDC92 (2.4)	ZNF664 (2.3)
8.27E-03	<0.20	BLK (4.5)	ZDHHC18 (3.4)	GMIP (2.7)
8.27E-03	<0.20	ENSG00000182319 (3	FZD9 (2.8)	RSPO3 (2.7)
8.29E-03	<0.20	CTSB (6.9)	APOE (4.1)	NR1H3 (3.9)
8.31E-03	<0.20	CATSPER2 (3.1)	MTMR9 (2.4)	OST4 (2.3)
8.44E-03	<0.20	TAGLN (5.8)	ARHGAP1 (3.8)	ENSG00000182319 (2
8.45E-03	<0.20	F2 (5.2)	APOB (5.0)	APOA1 (4.2)
8.48E-03	<0.20	GATA4 (3.4)	NEIL2 (3.2)	FADS1 (3.1)
8.49E-03	<0.20	NAT2 (7.8)	SLC22A1 (7.2)	LPA (6.4)
8.51E-03	<0.20	CYP7A1 (4.0)	ENSG00000223522 (2	NR0B2 (2.5)
8.53E-03	<0.20	ARID1A (2.8)	KANK2 (2.8)	MTF2 (2.8)
8.54E-03	<0.20	CTSB (7.0)	NR1H3 (3.8)	APOE (3.8)
8.57E-03	<0.20	APOA5 (4.3)	SLC22A1 (4.0)	HGFAC (3.9)
8.67E-03	<0.20	RASIP1 (8.3)	CETP (5.1)	DOCK6 (4.7)
8.68E-03	<0.20	SLC22A1 (4.7)	APOA5 (4.2)	ANGPTL3 (4.1)
8.68E-03	<0.20	SLC22A1 (4.7)	APOA5 (4.2)	ANGPTL3 (4.1)
8.73E-03	<0.20	CILP2 (5.4)	FZD9 (4.1)	CGREF1 (3.8)
8.73E-03	<0.20	ENSG00000254235 (2	ENSG00000235545 (2	ENSG00000200241 (2
8.80E-03	<0.20	CKAP5 (3.3)	AMBRA1 (3.1)	ZNF335 (3.0)
8.81E-03	<0.20	MYBPC3 (6.9)	GATA4 (4.3)	IGF2R (3.0)
8.86E-03	<0.20	RSPO3 (2.6)	MPP3 (2.5)	AFF1 (2.4)
8.87E-03	<0.20	APOE (4.7)	LRP4 (3.8)	TAGLN (3.1)
8.89E-03	<0.20	ENSG00000254235 (2	ENSG00000235545 (2	JMJD1C (2.1)
8.95E-03	<0.20	GALNT2 (3.1)	CSGALNACT1 (2.8)	NEIL2 (2.8)
8.97E-03	<0.20	NEIL2 (3.0)	LPA (2.9)	ENSG00000200241 (2
9.02E-03	<0.20	TSSK6 (2.6)	KHK (2.6)	DNAH10 (2.5)
9.04E-03	<0.20	CETP (3.1)	SDC1 (3.1)	VEGFA (2.6)
9.04E-03	<0.20	PCSK7 (2.5)	NSMAF (2.4)	NRBF2 (2.3)
9.10E-03	<0.20	APOC1 (5.8)	LPL (5.5)	NR1H3 (5.0)
9.12E-03	<0.20	DPYSL5 (3.5)	LRP4 (3.5)	RFX4 (3.0)
9.15E-03	<0.20	BCL3 (4.3)	ZDHHC18 (3.6)	GMIP (3.5)
9.18E-03	<0.20	LPL (4.9)	GPAM (4.7)	FADS1 (4.6)
9.19E-03	<0.20	TIMD4 (4.9)	CETP (3.3)	GMIP (2.8)
9.23E-03	<0.20	KHK (4.4)	TM6SF2 (3.1)	RBKS (2.9)
9.24E-03	<0.20	CETP (4.4)	NR1H3 (4.2)	APOE (3.7)
9.25E-03	<0.20	APOB (8.2)	APOA1 (7.5)	APOC3 (7.0)
9.25E-03	<0.20	NAGS (3.5)	PYY (3.4)	MLXIPL (3.2)
9.26E-03	<0.20	MFAP1 (3.1)	MTMR9 (2.3)	STRC (2.3)
9.28E-03	<0.20	ANGPTL3 (3.4)	ENSG00000179523 (3	GCKR (3.3)
9.34E-03	<0.20	AFF1 (2.9)	AMBRA1 (2.9)	MLXIPL (2.9)
9.49E-03	<0.20	BCAM (4.8)	SFN (4.3)	PVRL2 (3.9)
9.50E-03	<0.20	TAGLN (4.3)	CILP2 (4.1)	ANGPTL4 (2.8)
9.51E-03	<0.20	PDIA3 (5.1)	TMED5 (3.3)	GALNT2 (2.4)
9.59E-03	<0.20	CILP2 (6.1)	CGREF1 (4.7)	SOST (4.3)
9.61E-03	<0.20	BCL3 (3.7)	GMIP (3.5)	MAFF (3.2)
9.61E-03	<0.20	APOC1 (3.8)	TRIB1 (3.1)	CITED2 (3.1)

9.70E-03	<0.20	F2 (6.3)	APOB (5.7)	LIPC (5.5)
9.71E-03	<0.20	TM6SF2 (3.4)	GATA4 (3.0)	NAT2 (2.8)
9.71E-03	<0.20	BCAM (4.9)	DDB2 (3.5)	ANGPTL4 (2.9)
9.72E-03	<0.20	PYY (5.0)	SFN (2.9)	BCL3 (2.5)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.80E-03	<0.20	BCL3 (3.8)	ZDHHC18 (3.0)	SLC5A6 (2.9)
9.85E-03	<0.20	PDIA3 (3.8)	C2orf28 (3.5)	FDFT1 (3.5)
9.89E-03	<0.20	F2 (6.3)	APOB (5.6)	LIPC (5.5)
9.90E-03	<0.20	F2 (6.4)	LIPC (5.9)	ANGPTL3 (5.5)
9.93E-03	<0.20	SLC22A1 (8.3)	NAT2 (6.3)	LPA (5.7)
9.94E-03	<0.20	BLK (5.6)	GMIP (3.8)	ZDHHC18 (2.9)
9.95E-03	<0.20	PCIF1 (3.0)	ZNF664 (2.6)	SUMO1 (2.2)
9.96E-03	<0.20	TM6SF2 (3.5)	GATA4 (3.3)	NAT2 (3.0)
0.01	<0.20	TECTB (3.4)	PTPRJ (3.3)	LRP4 (3.1)
0.01	<0.20	C1orf172 (2.9)	ENSG00000226645 (2	CBLC (2.7)
0.01	<0.20	ENSG00000236267 (3	MLXIPL (3.3)	ENSG00000257711 (3
0.01	<0.20	C11orf9 (4.5)	BNC2 (2.6)	CYP26A1 (2.4)
0.01	<0.20	APOA5 (5.2)	ANGPTL3 (4.6)	KHK (4.3)
0.01	<0.20	APOA5 (5.2)	ANGPTL3 (4.6)	KHK (4.3)
0.01	<0.20	GMIP (3.9)	BCL3 (3.6)	TIMD4 (3.1)
0.01	<0.20	KHK (3.5)	SLC22A3 (3.1)	CETP (2.9)
0.01	<0.20	PPY (4.9)	ANGPTL4 (3.8)	LPL (3.5)
0.01	<0.20	APOC1 (5.9)	LPL (3.6)	ABCA1 (3.4)
0.01	<0.20	TECTB (3.3)	FAM167A (2.7)	SOST (2.5)
0.01	<0.20	LPL (3.7)	RSPO3 (3.0)	GPAM (2.8)
0.01	<0.20	PPY (5.6)	SOST (3.0)	PTPN13 (2.9)
0.01	<0.20	TAGLN (4.0)	SDC1 (3.9)	APOE (3.1)
0.01	<0.20	CTSB (3.5)	BLK (3.3)	CETP (3.2)
0.01	<0.20	LPA (5.9)	SLC22A1 (5.9)	APOC4 (5.6)
0.01	<0.20	FDFT1 (8.9)	FADS2 (7.6)	FADS1 (7.2)
0.01	<0.20	TIMD4 (4.7)	BCL3 (2.8)	CETP (2.8)
0.01	<0.20	TIMD4 (4.2)	MAFF (3.1)	BCL3 (3.1)
0.01	<0.20	PYY (7.1)	APOA4 (5.4)	TM6SF2 (4.4)
0.01	<0.20	SDCBP (2.7)	MADD (2.7)	TIMD4 (2.6)
0.01	<0.20	SDCBP (2.7)	MADD (2.7)	TIMD4 (2.6)
0.01	<0.20	ENSG00000222035 (3	DOCK6 (3.1)	RASIP1 (3.0)
0.01	<0.20	BNC2 (3.5)	DOCK7 (2.9)	PLTP (2.4)
0.01	<0.20	MAFF (5.0)	ZDHHC18 (4.7)	BCL3 (4.4)
0.01	<0.20	PPY (11.9)	PYY (6.3)	MLXIPL (4.0)
0.01	<0.20	TAGLN (5.2)	EMILIN1 (4.5)	KANK2 (3.6)
0.01	<0.20	HP (3.1)	GMIP (3.0)	LIPC (2.9)
0.01	<0.20	CILP2 (3.7)	EPB41L3 (3.1)	CD300LG (2.8)
0.01	<0.20	TMEM214 (4.7)	PDIA3 (3.8)	PREB (3.6)

0.01	<0.20	F2 (6.2)	LIPC (5.7)	APOA1 (5.2)
0.01	<0.20	APOB (8.2)	APOA1 (7.7)	APOC3 (7.1)
0.01	<0.20	LPA (5.5)	SLC22A1 (4.4)	GCKR (4.3)
0.01	<0.20	F2 (8.1)	LIPC (7.4)	APOB (6.9)
0.01	<0.20	APOE (5.4)	PLTP (4.8)	TIMD4 (4.6)
0.01	<0.20	FDFT1 (5.1)	GPAM (4.3)	FADS2 (4.1)
0.01	<0.20	FDFT1 (5.1)	GPAM (4.3)	FADS2 (4.1)
0.01	<0.20	GMIP (3.1)	NRBP1 (2.9)	TUBGCP4 (2.3)
0.01	<0.20	SLC22A1 (3.5)	KHK (3.5)	APOA5 (3.4)
0.01	<0.20	KHK (3.4)	ANGPTL3 (3.2)	CSGALNACT1 (2.8)
0.01	<0.20	BCL3 (3.7)	PTPN13 (2.9)	SLC22A3 (2.8)
0.01	<0.20	PDIA3 (5.5)	LIPC (5.2)	F2 (4.9)
0.01	<0.20	PDIA3 (8.4)	TMEM214 (4.7)	TBL2 (4.4)
0.01	<0.20	FDFT1 (8.0)	FADS1 (5.7)	FADS2 (5.6)
0.01	<0.20	PVRL2 (3.0)	DOCK6 (2.8)	RASIP1 (2.7)
0.01	<0.20	TM6SF2 (3.9)	NAGS (3.2)	APOC4 (2.9)
0.01	<0.20	DOCK6 (3.2)	PVRL2 (3.2)	RASIP1 (2.9)
0.01	<0.20	MAFF (4.7)	BCL3 (4.6)	TRIB1 (4.5)
0.01	<0.20	VEGFA (5.0)	TBL2 (4.2)	KDM3A (3.9)
0.01	<0.20	APOA1 (6.4)	APOB (5.8)	APOC3 (4.5)
0.01	<0.20	BCL3 (3.5)	SLC22A3 (2.9)	ZDHHC18 (2.7)
0.01	<0.20	KDM3A (2.8)	MYBPC3 (2.2)	PLTP (2.2)
0.01	<0.20	APOC4 (6.2)	ANGPTL3 (5.8)	SLC22A1 (5.8)
0.01	<0.20	BCL3 (4.1)	ENSG00000256731 (3	SLC22A3 (2.8)
0.01	<0.20	APOE (5.9)	F2 (5.2)	LIPC (5.1)
0.01	<0.20	SOST (2.9)	NAGS (2.6)	DR1 (2.3)
0.01	<0.20	CTSB (4.3)	CETP (3.8)	CLPTM1 (3.4)
0.01	<0.20	SFN (3.7)	C1orf172 (3.2)	FUT1 (3.0)
0.01	<0.20	APOC4 (9.1)	CYP7A1 (7.0)	APOA5 (6.9)
0.01	<0.20	CSGALNACT1 (2.9)	IGF2R (2.7)	CD300LG (2.6)
0.01	<0.20	SFN (4.9)	CILP2 (4.2)	SDC1 (3.7)
0.01	<0.20	RASIP1 (4.6)	DOCK6 (4.0)	ANGPTL4 (3.7)
0.01	<0.20	BCL3 (5.0)	PGS1 (3.2)	ZDHHC18 (2.5)
0.01	<0.20	FDFT1 (8.9)	FADS2 (7.8)	FADS1 (7.3)
0.01	<0.20	APOB (3.1)	APOA1 (2.8)	CILP2 (2.5)
0.01	<0.20	ENSG00000236267 (6	ABHD1 (3.4)	NR0B2 (3.2)
0.01	<0.20	RASIP1 (5.0)	DOCK6 (4.7)	KANK2 (3.5)
0.01	<0.20	CCDC92 (3.0)	CMIP (2.6)	OST4 (2.6)
0.01	<0.20	KDM3A (4.9)	TBL2 (4.1)	VEGFA (4.1)
0.01	<0.20	LIPC (6.6)	ANGPTL3 (6.5)	F2 (6.3)
0.01	<0.20	C1orf172 (4.2)	CBLC (3.8)	CMIP (3.1)
0.01	<0.20	TIMD4 (3.5)	APOC1 (2.8)	ANGPTL3 (2.7)
0.01	<0.20	SLC22A1 (5.9)	APOC3 (5.4)	HGFAC (5.0)
0.01	<0.20	TECTB (2.9)	LPA (2.5)	TM6SF2 (2.4)
0.01	<0.20	BCL3 (4.4)	NFE2L3 (3.8)	ZDHHC18 (3.2)
0.01	<0.20	BCL3 (3.2)	PTPRJ (2.7)	SIK3 (2.7)
0.01	<0.20	SOST (4.6)	CILP2 (3.3)	TECTB (3.3)
0.01	<0.20	LINC00208 (3.4)	ENSG00000257711 (2	CD300LG (2.5)
0.01	<0.20	TMEM175 (2.8)	PGS1 (2.5)	DUSP3 (2.4)
0.01	<0.20	CYP26A1 (3.8)	C8orf49 (3.3)	C11orf9 (3.2)

0.01	<0.20	CCDC92 (3.0)	CMIP (2.6)	OST4 (2.6)
0.01	<0.20	CILP2 (8.2)	FZD9 (5.2)	CGREF1 (3.4)
0.01	<0.20	MAPK10 (3.0)	SLC22A3 (2.4)	DPYSL5 (2.2)
0.01	<0.20	IMMT (5.1)	MRPL35 (4.8)	NDUFS3 (4.2)
0.01	<0.20	GPAM (5.1)	PREB (4.0)	PGS1 (3.3)
0.01	<0.20	JMJD1C (4.2)	KDM3A (3.7)	TRIB1 (3.5)
0.01	<0.20	KDM3A (4.6)	JMJD1C (4.5)	MAFF (3.5)
0.01	<0.20	BCL3 (3.6)	SLC22A3 (3.0)	ENSG00000256731 (2
0.01	<0.20	APOB (7.7)	APOA1 (7.0)	APOC3 (6.5)
0.01	<0.20	GMIP (3.6)	BCL3 (3.3)	ZDHHC18 (3.1)
0.01	<0.20	BCL3 (3.4)	ZDHHC18 (3.0)	TIMD4 (2.6)
0.01	<0.20	NEIL2 (2.9)	FNDC4 (2.8)	CILP2 (2.8)
0.01	<0.20	APOC4 (8.3)	LPA (7.5)	CYP7A1 (7.1)
0.01	<0.20	HGFAC (3.7)	FUT2 (3.6)	CBLC (3.4)
0.01	<0.20	NAT2 (4.9)	TM6SF2 (4.3)	KHK (4.1)
0.01	<0.20	FZD9 (3.7)	BNC2 (3.4)	CILP2 (2.5)
0.01	<0.20	FDFT1 (5.7)	C19orf80 (3.3)	LIPC (3.0)
0.01	<0.20	ENSG00000234945 (3	ENSG00000200241 (2	ENSG00000257711 (2
0.01	<0.20	BCL3 (2.9)	PVRL2 (2.8)	SDC1 (2.6)
0.01	<0.20	C19orf80 (4.4)	LPL (2.6)	PBX4 (2.5)
0.01	<0.20	LPA (3.1)	ENSG00000254235 (2	TSSK6 (2.9)
0.01	<0.20	NAT2 (3.8)	GCKR (3.4)	LPA (3.2)
0.01	<0.20	AFF1 (3.8)	GMIP (3.7)	BLK (3.4)
0.01	<0.20	PDIA3 (5.0)	G6PC3 (2.7)	TMEM214 (2.7)
0.01	<0.20	LPA (3.4)	LIPC (2.8)	CETP (2.6)
0.01	<0.20	RFX4 (4.0)	NCAN (3.7)	DPYSL5 (3.3)
0.01	<0.20	APOA4 (3.8)	KHK (3.4)	TM6SF2 (3.1)
0.01	<0.20	COBLL1 (3.6)	GMIP (2.5)	ENSG00000182319 (2
0.01	<0.20	G6PC3 (3.8)	PTPMT1 (3.3)	FADS1 (3.3)
0.01	<0.20	BCL3 (3.6)	SLC22A3 (2.8)	ZDHHC18 (2.8)
0.01	<0.20	PGS1 (4.6)	BCL3 (4.4)	CETP (3.7)
0.01	<0.20	APOE (3.4)	KRTCAP3 (2.9)	CTSB (2.7)
0.01	<0.20	C11orf9 (4.4)	BNC2 (2.6)	NR1H3 (2.2)
0.01	<0.20	LPL (3.6)	MTCH2 (3.5)	GPAM (3.1)
0.01	<0.20	BCAM (4.4)	PVRL2 (3.8)	BRE (3.5)
0.01	<0.20	BCL3 (3.6)	ZDHHC18 (3.0)	SLC22A3 (3.0)
0.01	<0.20	HP (5.3)	GMIP (3.1)	CSGALNACT1 (2.8)
0.01	<0.20	CLPTM1 (4.2)	SNX17 (2.7)	ARHGAP1 (2.7)
0.01	<0.20	BCL3 (4.4)	SLC5A6 (3.0)	GMIP (2.8)
0.01	<0.20	PGS1 (3.9)	BCL3 (3.4)	CD300LG (2.4)
0.01	<0.20	TRIB1 (4.4)	ARID1A (4.4)	HDAC5 (2.8)
0.01	<0.20	ABHD1 (4.0)	MLXIPL (3.8)	FADS2 (3.4)
0.01	<0.20	CMIP (2.7)	PAFAH1B2 (2.4)	VEGFA (2.4)
0.01	<0.20	TMED5 (3.2)	PGS1 (2.9)	BCL3 (2.3)
0.01	<0.20	BCL3 (3.6)	SLC22A3 (3.1)	ENSG00000256731 (3
0.01	<0.20	ABCA1 (4.6)	RASIP1 (3.8)	DOCK6 (3.6)
0.01	<0.20	LPA (3.3)	C19orf80 (2.9)	LPAL2 (2.5)
0.01	<0.20	LPA (3.3)	C19orf80 (2.9)	LPAL2 (2.5)
0.01	<0.20	F2 (7.1)	C19orf80 (6.2)	APOA5 (6.2)
0.01	<0.20	PDIA3 (9.4)	TBL2 (3.6)	TMEM214 (3.5)

0.01	<0.20	FDFT1 (3.1)	CATSPER2 (2.8)	FADS2 (2.5)
0.01	<0.20	APOB (7.5)	APOA1 (7.1)	APOC3 (6.5)
0.01	<0.20	VEGFA (3.4)	SDC1 (3.3)	FUT1 (3.0)
0.01	<0.20	C11orf9 (4.4)	BNC2 (2.6)	NR1H3 (2.3)
0.01	<0.20	CETP (4.0)	NR1H3 (4.0)	EPB41L3 (3.1)
0.01	<0.20	TIMD4 (4.8)	PLTP (3.9)	NR1H3 (3.7)
0.01	<0.20	BCL3 (3.7)	SLC22A3 (2.8)	ZDHHC18 (2.8)
0.01	<0.20	ENSG00000257711 (4	LPL (2.2)	NFE2L3 (2.2)
0.01	<0.20	CITED2 (3.1)	GALNT2 (2.5)	ENSG00000223522 (2
0.01	<0.20	TMEM101 (3.6)	LPAR2 (3.2)	TMEM175 (2.9)
0.01	<0.20	GPAM (5.2)	TM6SF2 (5.0)	C19orf80 (4.7)
0.01	<0.20	LPL (5.2)	GPAM (4.3)	MLXIPL (3.2)
0.01	<0.20	ANGPTL4 (3.9)	VEGFA (3.9)	RASIP1 (3.8)
0.02	<0.20	APOB (7.6)	APOA1 (7.0)	APOC3 (6.5)
0.02	<0.20	PGS1 (3.5)	ENSG00000257711 (2	RBKS (2.3)
0.02	<0.20	ANGPTL3 (5.0)	KHK (4.7)	SLC22A1 (4.1)
0.02	<0.20	FDFT1 (8.5)	FADS2 (7.9)	FADS1 (6.6)
0.02	<0.20	TMEM175 (3.5)	TMEM101 (3.3)	LPAR2 (3.2)
0.02	<0.20	BCL3 (4.0)	CETP (4.0)	NFE2L3 (3.9)
0.02	<0.20	NAT2 (3.4)	TM6SF2 (2.9)	KHK (2.7)
0.02	<0.20	TMED5 (3.3)	ATG13 (3.2)	PDIA3 (3.0)
0.02	<0.20	BLK (3.8)	TIMD4 (3.5)	CETP (3.2)
0.02	<0.20	HP (6.2)	LIPC (5.4)	APOB (5.2)
0.02	<0.20	CYP26A1 (4.6)	GATAD2A (2.7)	PTPN13 (2.5)
0.02	<0.20	GMIP (2.8)	BCL3 (2.8)	AFF1 (2.7)
0.02	<0.20	APOB (7.8)	APOA1 (7.2)	APOC3 (6.7)
0.02	<0.20	ABHD1 (3.6)	GPAM (3.0)	NR1H3 (2.7)
0.02	<0.20	DOCK6 (3.0)	RASIP1 (3.0)	PVRL2 (2.6)
0.02	<0.20	KANK2 (3.3)	ABCA1 (2.5)	PCIF1 (2.4)
0.02	<0.20	RFX4 (3.0)	FZD9 (2.7)	FAM167A (2.5)
0.02	<0.20	VEGFA (3.6)	ABCA1 (3.4)	RSPO3 (3.2)
0.02	<0.20	BCL3 (4.3)	SLC22A3 (3.2)	SLC5A6 (3.0)
0.02	<0.20	MLXIPL (5.6)	GPAM (4.0)	C19orf80 (3.4)
0.02	<0.20	CCDC92 (3.2)	CMIP (2.6)	OST4 (2.6)
0.02	<0.20	ENSG00000254235 (3	TXNL4B (3.2)	PMFBP1 (3.1)
0.02	<0.20	TMEM214 (5.4)	PREB (3.7)	GALNT2 (3.5)
0.02	<0.20	ARID1A (4.1)	RASIP1 (4.1)	VEGFA (3.3)
0.02	<0.20	AFF1 (3.0)	CITED2 (2.8)	NAGS (2.4)
0.02	<0.20	BCL3 (3.8)	GMIP (3.5)	PGS1 (3.1)
0.02	<0.20	LPA (3.5)	C19orf80 (3.0)	LPAL2 (2.7)
0.02	<0.20	APOB (7.1)	APOC3 (7.1)	F2 (7.0)
0.02	<0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02	<0.20	FNBP4 (4.3)	NOP58 (3.0)	CCDC18 (2.7)
0.02	<0.20	DHODH (3.3)	ANGPTL4 (3.3)	MPV17 (3.2)
0.02	<0.20	BCL3 (2.8)	CTSB (2.6)	NFE2L3 (2.5)
0.02	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
0.02	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
0.02	<0.20	ABCA1 (4.0)	LIPC (4.0)	NR0B2 (3.9)
0.02	<0.20	PTPN13 (3.4)	SDC1 (2.7)	CYP26A1 (2.7)
0.02	<0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)

0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	BCL3 (3.7)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	APOE (6.7)	APOB (6.5)	F2 (6.5)
0.02 <0.20	APOB (7.7)	APOA1 (7.0)	APOC3 (6.7)
0.02 <0.20	MPP3 (3.0)	CITED2 (2.7)	UCN (2.7)
0.02 <0.20	SOST (5.2)	EMILIN1 (4.2)	CGREF1 (4.0)
0.02 <0.20	SDC1 (3.2)	APOE (3.0)	PTPRJ (2.9)
0.02 <0.20	F2 (6.2)	APOC3 (6.1)	APOB (5.8)
0.02 <0.20	SLC22A1 (3.7)	LPA (3.0)	MAMSTR (2.9)
0.02 <0.20	ABHD1 (3.3)	CGREF1 (3.0)	ANGPTL4 (2.8)
0.02 <0.20	TIMD4 (3.1)	NR1H3 (3.0)	ABCA1 (2.9)
0.02 <0.20	F2 (4.4)	APOA1 (3.4)	C19orf80 (3.3)
0.02 <0.20	ABHD1 (3.5)	MTCH2 (3.0)	GALNT2 (3.0)
0.02 <0.20	LPA (3.9)	SLC22A1 (3.6)	MAFF (3.4)
0.02 <0.20	LPAL2 (4.0)	HGFAC (4.0)	HP (3.6)
0.02 <0.20	LPA (3.8)	HP (3.5)	APOA5 (2.7)
0.02 <0.20	APOA4 (4.6)	KHK (3.8)	JMJD1C (3.7)
0.02 <0.20	SFN (4.6)	C1orf172 (3.3)	EPB41L3 (3.1)
0.02 <0.20	SDC1 (3.4)	FAM167A (3.2)	CYP26A1 (3.2)
0.02 <0.20	GATAD2A (3.6)	DR1 (3.4)	BCL7B (2.7)
0.02 <0.20	CITED2 (3.6)	TRIB1 (3.3)	ATG4C (2.9)
0.02 <0.20	CILP2 (4.7)	BCAM (2.8)	GALNT2 (2.7)
0.02 <0.20	F2 (9.2)	LIPC (8.2)	ANGPTL3 (7.8)
0.02 <0.20	LRP4 (4.0)	NCAN (2.7)	KDM3A (2.4)
0.02 <0.20	MTMR9 (2.4)	PPIP5K1 (2.1)	CKAP5 (2.1)
0.02 <0.20	UCN (3.3)	ABO (3.2)	CHMP3 (2.6)
0.02 <0.20	PYY (3.9)	FUT2 (3.4)	BCL3 (3.2)
0.02 <0.20	FNBP4 (3.9)	ZNF513 (3.3)	TP53BP1 (3.0)
0.02 <0.20	RFX4 (3.1)	FADS1 (3.0)	APOE (2.9)
0.02 <0.20	BCL3 (4.6)	MAFF (3.8)	PTPRJ (3.2)
0.02 <0.20	KHK (4.9)	ANGPTL3 (3.7)	CYP7A1 (3.2)
0.02 <0.20	TIMD4 (3.7)	BCL3 (3.1)	NFE2L3 (2.8)
0.02 <0.20	NAT2 (5.8)	SLC22A1 (5.7)	LPA (5.7)
0.02 <0.20	TM6SF2 (3.3)	SLC5A6 (3.1)	NR1H3 (3.0)
0.02 <0.20	BCL3 (3.6)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02 <0.20	CTDSPL2 (3.7)	CELF1 (3.0)	BUD13 (2.9)
0.02 <0.20	ENSG00000179523 (2	GCKR (2.4)	FNDC4 (2.3)
0.02 <0.20	C8orf49 (3.3)	CYP26A1 (3.3)	VEGFA (3.0)
0.02 <0.20	CD300LG (2.6)	LPL (2.2)	MLXIPL (2.0)

0.02	<0.20	APOE (5.3)	F2 (4.7)	LIPC (3.8)
0.02	<0.20	SFN (5.4)	FADS1 (2.9)	CBLC (2.9)
0.02	<0.20	APOA4 (5.8)	APOA1 (4.5)	LIPC (4.3)
0.02	<0.20	APOA4 (5.8)	APOA1 (4.5)	LIPC (4.3)
0.02	<0.20	MAFF (3.4)	CITED2 (3.1)	APOE (2.8)
0.02	<0.20	FNBP4 (3.5)	ZNF512 (3.2)	IMMT (3.2)
0.02	<0.20	ANGPTL3 (6.6)	APOC4 (5.1)	HP (4.6)
0.02	<0.20	SIDT2 (2.7)	ANGPTL4 (2.6)	APOE (2.5)
0.02	<0.20	LRP4 (2.4)	VEGFA (2.4)	KDM3A (2.4)
0.02	<0.20	ENSG00000236267 (4	ENSG00000234945 (2	ENSG00000254235 (2
0.02	<0.20	CTSB (2.8)	MFAP1 (2.4)	PDIA3 (2.4)
0.02	<0.20	MLXIPL (4.6)	KLF14 (4.4)	GPAM (4.1)
0.02	<0.20	LRP4 (3.1)	SDC1 (2.5)	FZD9 (2.5)
0.02	<0.20	CELF1 (3.2)	DHODH (3.1)	ARID1A (3.1)
0.02	<0.20	RASIP1 (3.7)	DOCK6 (3.7)	ENSG00000226645 (3
0.02	<0.20	CILP2 (5.3)	SOST (4.8)	CGREF1 (4.6)
0.02	<0.20	MAFF (4.7)	PTPRJ (3.7)	GMIP (3.3)
0.02	<0.20	CBLC (5.5)	C1orf172 (5.1)	KRTCAP3 (3.4)
0.02	<0.20	FADS2 (3.6)	CAD (3.2)	SNX17 (3.1)
0.02	<0.20	C11orf9 (2.8)	ZNF664 (2.6)	BMPR2 (2.5)
0.02	<0.20	BCL3 (3.5)	ZDHHC18 (3.0)	SLC22A3 (2.9)
0.02	<0.20	BLK (5.8)	CETP (3.5)	SLC22A3 (3.2)
0.02	<0.20	TMEM175 (3.1)	FZD9 (2.9)	TMEM101 (2.7)
0.02	<0.20	ABHD1 (4.1)	ANGPTL4 (3.4)	PLA2G6 (3.3)
0.02	<0.20	EMILIN1 (5.0)	RFX4 (4.7)	HAVCR1 (4.6)
0.02	<0.20	RFX4 (3.6)	CAD (2.8)	NAT2 (2.6)
0.02	<0.20	CILP2 (6.9)	FZD9 (4.4)	BNC2 (3.2)
0.02	<0.20	NAT2 (5.9)	SLC22A1 (5.7)	LPA (5.6)
0.02	<0.20	ENSG00000257711 (3	LPL (3.4)	NR1H3 (3.1)
0.02	<0.20	IMMT (3.3)	NRBP1 (3.0)	BRE (3.0)
0.02	<0.20	IMMT (3.3)	FDFT1 (3.0)	FADS2 (2.9)
0.02	<0.20	TIMD4 (4.4)	LPL (3.7)	NR1H3 (3.1)
0.02	<0.20	SDC1 (4.2)	HAVCR1 (3.3)	PTPN13 (3.1)
0.02	<0.20	BLK (5.1)	SLC22A3 (3.8)	SLC5A6 (3.1)
0.02	<0.20	FUT2 (4.0)	BCL3 (2.7)	CSGALNACT1 (2.0)
0.02	<0.20	CILP2 (5.7)	EMILIN1 (3.7)	PLTP (3.5)
0.02	<0.20	TMED5 (3.5)	SUPT7L (2.9)	ANGPTL4 (2.8)
0.02	<0.20	PBX4 (2.9)	ENSG00000226645 (2	ENSG00000254235 (2
0.02	<0.20	ENSG00000256746 (3	LINC00208 (2.9)	ENSG00000253379 (2
0.02	<0.20	BLK (6.0)	ABCA1 (3.6)	CETP (3.4)
0.02	<0.20	MAFF (4.2)	TRIB1 (3.5)	AFF1 (2.8)
0.02	<0.20	BCL3 (3.6)	SLC22A3 (3.0)	ENSG00000256731 (2
0.02	<0.20	MYBPC3 (5.2)	ARHGAP1 (3.6)	GATA4 (3.5)
0.02	<0.20	LRP4 (3.0)	ENSG00000182319 (2	SIK3 (2.5)
0.02	<0.20	RASIP1 (5.0)	DOCK6 (4.2)	SFN (3.7)
0.02	<0.20	BCL3 (3.7)	PGS1 (2.9)	TRIB1 (2.8)
0.02	<0.20	BCL3 (3.8)	GMIP (3.6)	ZDHHC18 (3.4)
0.02	<0.20	F2 (5.8)	APOB (5.2)	APOA1 (5.1)
0.02	<0.20	GALNT2 (4.5)	CILP2 (4.4)	FZD9 (4.0)
0.02	<0.20	CYP7A1 (4.7)	ENSG00000236267 (4	LPAL2 (3.5)

0.02	<0.20	CYP7A1 (4.7)	ENSG00000236267 (4	LPAL2 (3.5)
0.02	<0.20	RBKS (3.1)	KHK (2.3)	NR1H3 (2.1)
0.02	<0.20	SLC22A1 (4.8)	APOA5 (4.5)	LPA (3.9)
0.02	<0.20	TIMD4 (3.6)	CTSB (3.0)	CETP (2.5)
0.02	<0.20	TRIM54 (3.9)	PACSIN3 (3.1)	HP (2.9)
0.02	<0.20	EMILIN1 (5.1)	ANGPTL3 (4.5)	TAGLN (4.4)
0.02	<0.20	FADS1 (3.3)	APOC1 (3.3)	MAP1A (2.9)
0.02	<0.20	TMEM214 (10.1)	PREB (6.8)	PDIA3 (6.0)
0.02	<0.20	C1orf172 (2.9)	FUT2 (2.7)	PYY (2.7)
0.02	<0.20	LIPC (2.6)	GCKR (2.6)	C19orf80 (2.5)
0.02	<0.20	MAFF (3.8)	TDH (2.7)	FRMD5 (2.6)
0.02	<0.20	LPL (6.3)	ANGPTL4 (4.7)	GPAM (4.6)
0.02	<0.20	BCL3 (4.4)	CTSB (3.1)	PGS1 (3.0)
0.02	<0.20	CETP (4.0)	TIMD4 (3.2)	CCDC92 (3.2)
0.02	<0.20	LPA (5.2)	SLC22A1 (4.7)	HGFAC (4.6)
0.02	<0.20	HAVCR1 (4.7)	EMILIN1 (4.5)	LRP4 (3.8)
0.02	<0.20	F2 (6.5)	LIPC (5.9)	APOB (5.6)
0.02	<0.20	DDB2 (8.2)	ANGPTL4 (2.6)	FEN1 (2.1)
0.02	<0.20	GCKR (2.9)	TIMD4 (2.6)	SLC22A1 (1.9)
0.02	<0.20	AFF1 (4.4)	PCSK7 (3.4)	ZNF513 (3.2)
0.02	<0.20	TRIB1 (3.2)	DDB2 (2.9)	MAFF (2.5)
0.02	<0.20	GATAD2A (3.2)	PCSK7 (2.9)	MAU2 (2.6)
0.02	<0.20	TAGLN (3.2)	SPG11 (2.8)	TP53BP1 (2.7)
0.02	<0.20	FDFT1 (9.6)	FADS2 (8.3)	FADS1 (8.1)
0.02	<0.20	BCL3 (4.4)	ZDHHC18 (3.1)	SLC22A3 (2.9)
0.02	<0.20	PGS1 (3.6)	BCL3 (3.4)	CSGALNACT1 (2.1)
0.02	<0.20	GMIP (3.4)	FUT1 (2.3)	CCDC92 (2.3)
0.02	<0.20	EMILIN1 (4.7)	TAGLN (4.6)	LPL (3.1)
0.02	<0.20	KDM3A (3.8)	VEGFA (3.0)	MYBPC3 (2.9)
0.02	<0.20	PDIA3 (4.2)	TMED5 (2.8)	ENSG00000226645 (2
0.02	<0.20	ARFGAP2 (3.0)	LINC00208 (2.7)	NRBP1 (2.5)
0.02	<0.20	RSPO3 (3.4)	C11orf9 (3.1)	LRP4 (2.5)
0.02	<0.20	NDUFS3 (4.0)	IMMT (3.3)	PTPMT1 (2.8)
0.02	<0.20	MAFF (4.3)	CSGALNACT1 (3.7)	BCL3 (3.4)
0.02	<0.20	MLXIPL (3.2)	KHK (3.2)	CITED2 (2.5)
0.02	<0.20	FDFT1 (8.6)	FADS2 (6.1)	FADS1 (6.0)
0.02	<0.20	SFN (3.8)	CTSB (2.2)	C19orf80 (2.2)
0.02	<0.20	EMILIN1 (3.4)	FZD9 (3.0)	HAPLN4 (2.8)
0.02	<0.20	TECTB (3.3)	PPY (3.3)	PYY (2.8)
0.02	<0.20	DOCK7 (3.2)	BCAM (3.2)	SFN (3.1)
0.02	<0.20	CYP26A1 (4.2)	LRP4 (3.8)	CILP2 (3.1)
0.02	<0.20	F2 (7.3)	APOC3 (6.5)	LIPC (6.5)
0.02	<0.20	LPL (5.1)	ARID1A (3.6)	GPAM (3.5)
0.02	<0.20	SFN (6.0)	FUT1 (3.4)	SDC1 (2.9)
0.02	<0.20	BCL3 (3.9)	MAFF (3.8)	NFE2L3 (3.6)
0.02	<0.20	CILP2 (6.5)	SOST (4.1)	CGREF1 (4.0)
0.02	<0.20	IMMT (4.4)	MRPL35 (3.0)	NDUFS3 (2.7)
0.02	<0.20	TIMD4 (4.9)	APOE (4.4)	NR1H3 (3.7)
0.02	<0.20	RBKS (3.0)	KHK (3.0)	SLC22A1 (2.9)
0.02	<0.20	PPY (3.6)	PYY (3.2)	CMIP (2.8)

0.02	<0.20	BCL3 (3.6)	SLC22A3 (3.0)	ZDHHC18 (2.9)
0.02	<0.20	ENSG00000256746 (3	CASC4 (3.2)	C2orf28 (2.9)
0.02	<0.20	NUP160 (3.7)	CAD (3.4)	GTF3C2 (3.1)
0.02	<0.20	NAT2 (4.0)	ENSG00000236267 (3	LPA (3.6)
0.02	<0.20	ARHGAP1 (3.4)	DOCK7 (2.3)	CHMP3 (2.0)
0.02	<0.20	DHODH (2.5)	TUBGCP4 (2.2)	RIC8B (2.2)
0.02	<0.20	PVRL2 (3.3)	CYP26A1 (3.1)	PTPN13 (2.9)
0.02	<0.20	MAFF (4.4)	BCL3 (4.0)	TRIB1 (3.0)
0.02	<0.20	GATAD2A (3.6)	DR1 (3.4)	BCL7B (2.7)
0.02	<0.20	CILP2 (5.6)	FZD9 (4.4)	EMILIN1 (3.4)
0.02	<0.20	TIMD4 (4.1)	BLK (3.6)	CETP (2.9)
0.02	<0.20	HP (4.4)	LIPC (4.2)	ANGPTL3 (3.7)
0.02	<0.20	NR1H3 (2.7)	CYP7A1 (2.3)	RIC8B (2.1)
0.02	<0.20	BMPR2 (3.2)	KANK2 (3.2)	RASIP1 (3.2)
0.02	<0.20	BCL3 (3.6)	ABCA1 (3.4)	ACP2 (3.3)
0.02	<0.20	NOP58 (3.9)	POLR1A (3.7)	ZNF259 (3.3)
0.02	<0.20	ENSG00000255020 (2	ENSG00000223745 (2	EMILIN1 (2.3)
0.02	<0.20	PIGV (2.9)	ACP2 (2.8)	TBL2 (2.7)
0.02	<0.20	ENSG00000257711 (3	C17orf105 (2.7)	ENSG00000223522 (2
0.02	<0.20	TMEM214 (8.6)	PREB (6.3)	PDIA3 (6.3)
0.02	<0.20	LPL (3.5)	CTSB (3.0)	MAFF (2.8)
0.02	<0.20	TMEM214 (7.6)	PDIA3 (5.7)	TBL2 (4.8)
0.02	<0.20	CTSB (4.3)	CETP (4.0)	GMIP (3.6)
0.02	<0.20	HARBI1 (3.8)	ENSG00000257711 (3	ANGPTL4 (2.7)
0.02	<0.20	BLK (5.0)	GMIP (3.7)	GPAM (2.2)
0.02	<0.20	LPA (5.7)	TIMD4 (4.4)	BLK (4.1)
0.02	<0.20	GATAD2A (3.4)	CELF1 (2.9)	ARHGAP1 (2.9)
0.02	<0.20	TECTB (3.7)	ENSG00000256746 (2	ENSG00000257711 (2
0.02	<0.20	BCL3 (3.0)	ABCA1 (2.5)	CETP (2.4)
0.02	<0.20	NOP58 (3.5)	FNBP4 (3.0)	GATAD2A (2.7)
0.02	<0.20	CYP7A1 (6.5)	NAGS (4.4)	APOC4 (4.3)
0.02	<0.20	DOCK6 (3.0)	RASIP1 (2.9)	PVRL2 (2.6)
0.02	<0.20	TAGLN (4.5)	KANK2 (2.1)	APOE (2.0)
0.02	<0.20	CYP26A1 (4.4)	JMJD1C (3.7)	RSPO3 (2.9)
0.02	<0.20	TRIB1 (6.4)	MAFF (5.3)	CITED2 (4.4)
0.02	<0.20	TMEM214 (3.8)	PPY (2.9)	MADD (2.7)
0.02	<0.20	LPL (7.0)	NR1H3 (4.4)	GPAM (4.2)
0.02	<0.20	KHK (3.9)	APOA4 (3.5)	TM6SF2 (2.8)
0.02	<0.20	NAT2 (4.1)	KLF14 (3.7)	HARBI1 (2.7)
0.02	<0.20	TRIB1 (3.0)	HDAC5 (2.8)	MAFF (2.6)
0.02	<0.20	TRIB1 (7.8)	MAFF (5.3)	CITED2 (4.7)
0.02	<0.20	EMILIN1 (5.0)	HAPLN4 (4.4)	HAVCR1 (3.7)
0.02	<0.20	RASIP1 (6.3)	DOCK6 (4.6)	ANGPTL4 (4.2)
0.02	<0.20	BMPR2 (2.8)	PTPN13 (2.8)	C1orf172 (2.7)
0.02	<0.20	NEIL2 (2.5)	LPA (2.3)	GPAM (2.3)
0.02	<0.20	ANGPTL3 (3.8)	KHK (3.4)	UBXN2B (2.7)
0.02	<0.20	PLA2G6 (3.3)	ABHD1 (2.5)	FGF21 (2.5)
0.02	<0.20	ANGPTL3 (5.0)	NAGS (4.6)	APOC4 (4.2)
0.03	<0.20	BCL3 (3.1)	TIMD4 (2.9)	ZDHHC18 (2.9)
0.03	<0.20	DOCK6 (4.4)	EMILIN1 (4.0)	VEGFA (3.1)

0.03	<0.20	ABCA1 (5.2)	TIMD4 (4.5)	CTSB (4.1)
0.03	<0.20	HP (4.4)	BCL3 (3.1)	PGS1 (2.6)
0.03	<0.20	CYP26A1 (3.2)	SDC1 (3.2)	FZD9 (2.8)
0.03	<0.20	AGBL2 (3.5)	HAVCR1 (2.4)	ENSG00000179523 (2
0.03	<0.20	FNBP4 (4.3)	SUGP1 (3.6)	SIK3 (3.3)
0.03	<0.20	ENSG00000223522 (3	ANGPTL4 (3.2)	FADS2 (2.9)
0.03	<0.20	PPY (2.7)	KLF14 (2.6)	MAPK10 (2.5)
0.03	<0.20	SLC22A1 (4.4)	APOA5 (4.1)	ANGPTL3 (3.8)
0.03	<0.20	LPAL2 (4.8)	LPA (4.3)	LIPC (4.2)
0.03	<0.20	LPAL2 (4.8)	LPA (4.3)	LIPC (4.2)
0.03	<0.20	RASIP1 (2.9)	SOST (2.6)	ENSG00000254235 (2
0.03	<0.20	SDCBP (4.3)	NR1H3 (3.1)	PVRL2 (2.9)
0.03	<0.20	TMEM214 (4.3)	TP53BP1 (4.0)	SNX17 (3.7)
0.03	<0.20	C1orf172 (5.3)	CBLC (4.7)	SFN (4.7)
0.03	>=0.20	CILP2 (6.3)	RSPO3 (3.8)	FZD9 (3.7)
0.03	>=0.20	RASIP1 (3.4)	UCN (3.2)	CSGALNACT1 (3.1)
0.03	>=0.20	F2 (4.5)	BCAM (3.6)	SFN (3.4)
0.03	>=0.20	LRP4 (2.9)	PVRL2 (2.8)	BCAM (2.7)
0.03	>=0.20	LPA (3.0)	LINC00208 (2.8)	TIMD4 (2.8)
0.03	>=0.20	TMEM175 (3.6)	BCL3 (2.9)	C1orf172 (2.7)
0.03	>=0.20	APOA5 (5.6)	SLC22A1 (5.5)	CYP7A1 (4.5)
0.03	>=0.20	APOA4 (5.3)	NR0B2 (5.0)	TM6SF2 (4.7)
0.03	>=0.20	BCL3 (3.5)	SLC22A3 (2.9)	ENSG00000256731 (2
0.03	>=0.20	LPL (4.9)	GPAM (4.0)	MLXIPL (4.0)
0.03	>=0.20	PPY (4.5)	KHK (2.8)	DNAJC5G (2.8)
0.03	>=0.20	BCL3 (3.3)	TIMD4 (3.1)	MAFF (3.0)
0.03	>=0.20	BCL3 (3.3)	PGS1 (2.8)	CSGALNACT1 (2.0)
0.03	>=0.20	TRIB1 (3.6)	NR1H3 (3.1)	BCL3 (3.0)
0.03	>=0.20	MPP2 (3.8)	C1QTNF4 (2.8)	APOC3 (2.8)
0.03	>=0.20	LINC00208 (2.6)	RBKS (2.6)	ENSG00000257711 (2
0.03	>=0.20	LPAR2 (3.9)	PBX4 (3.4)	SLC30A3 (2.8)
0.03	>=0.20	CYP26A1 (3.9)	RSPO3 (2.8)	G6PC3 (2.5)
0.03	>=0.20	SLC22A1 (5.5)	FADS1 (4.4)	FUT2 (3.6)
0.03	>=0.20	TP53BP1 (2.9)	ARID1A (2.9)	SIK3 (2.7)
0.03	>=0.20	FDFT1 (5.7)	FADS2 (4.4)	FADS1 (4.0)
0.03	>=0.20	POLR1A (4.1)	NOP58 (4.1)	ZNF259 (4.0)
0.03	>=0.20	MRPL35 (5.6)	NDUFS3 (5.2)	MTCH2 (4.4)
0.03	>=0.20	TIMD4 (3.8)	HP (2.7)	APOC4 (2.6)
0.03	>=0.20	GATA4 (6.1)	MYBPC3 (4.8)	SLC30A3 (3.1)
0.03	>=0.20	ENSG00000226645 (2	ANGPTL4 (2.4)	KLF14 (2.1)
0.03	>=0.20	ARID1A (4.1)	MAU2 (2.8)	ZNF335 (2.7)
0.03	>=0.20	RASIP1 (5.4)	CD300LG (4.1)	DOCK6 (3.9)
0.03	>=0.20	RASIP1 (5.4)	CD300LG (4.1)	DOCK6 (3.9)
0.03	>=0.20	KHK (5.1)	SLC22A3 (4.1)	TM6SF2 (3.8)
0.03	>=0.20	RBKS (3.3)	DHODH (3.2)	KHK (3.2)
0.03	>=0.20	ANGPTL4 (4.5)	VEGFA (3.9)	KDM3A (2.9)
0.03	>=0.20	BCL3 (4.6)	GMIP (3.6)	SIK3 (3.2)
0.03	>=0.20	PPY (4.8)	ENSG00000255020 (3	RASIP1 (3.6)
0.03	>=0.20	C2orf28 (4.9)	TMEM214 (4.6)	PDIA3 (4.6)
0.03	>=0.20	SDC1 (4.2)	PTPN13 (3.9)	RFX4 (3.5)

0.03	>=0.20	STRC (4.3)	KHK (2.5)	FGF21 (2.5)
0.03	>=0.20	PVRL2 (3.5)	EPB41L3 (3.2)	FRMD5 (2.7)
0.03	>=0.20	FDFT1 (3.8)	FADS2 (3.8)	FADS1 (3.4)
0.03	>=0.20	OST4 (3.7)	ENSG00000223522 (2	GPAM (2.4)
0.03	>=0.20	TECTB (3.2)	C19orf80 (2.6)	FGF21 (2.5)
0.03	>=0.20	ABCA1 (3.1)	PVRL2 (3.1)	ENSG00000223745 (3
0.03	>=0.20	TSSK6 (3.3)	BNC2 (2.9)	FZD9 (2.4)
0.03	>=0.20	REEP3 (3.6)	C11orf9 (3.5)	NFE2L3 (3.2)
0.03	>=0.20	MAFF (3.3)	FRMD5 (2.8)	GPAM (2.8)
0.03	>=0.20	ENSG00000223745 (4	ENSG00000182329 (3	DNAJC5G (3.1)
0.03	>=0.20	REEP3 (3.1)	CTSB (3.0)	CMIP (3.0)
0.03	>=0.20	TMED5 (3.4)	CATSPER2 (2.8)	VEGFA (2.8)
0.03	>=0.20	PYY (3.3)	CETP (2.8)	DPYSL5 (2.6)
0.03	>=0.20	CYP7A1 (3.5)	LPA (3.0)	NAT2 (2.8)
0.03	>=0.20	SOST (3.2)	CYP26A1 (3.1)	IGF2R (2.9)
0.03	>=0.20	BCL3 (6.0)	ZDHHC18 (3.3)	ABCA1 (3.0)
0.03	>=0.20	ZNF335 (2.9)	DHX38 (2.6)	DUSP3 (2.5)
0.03	>=0.20	ENSG00000222035 (3	SOST (2.9)	TECTB (2.7)
0.03	>=0.20	APOA4 (6.0)	APOC3 (5.3)	APOA1 (4.4)
0.03	>=0.20	ENSG00000257711 (3	BNC2 (2.8)	NRBF2 (2.6)
0.03	>=0.20	F2 (5.6)	APOC3 (5.2)	APOB (5.0)
0.03	>=0.20	MYBPC3 (4.6)	FRMD5 (3.9)	ABO (3.2)
0.03	>=0.20	PDIA3 (6.2)	CTSB (4.2)	SDCBP (4.1)
0.03	>=0.20	PDIA3 (6.2)	CTSB (4.2)	SDCBP (4.1)
0.03	>=0.20	CTSB (6.5)	ACP2 (3.7)	APOE (3.5)
0.03	>=0.20	CTSB (6.5)	ACP2 (3.7)	APOE (3.5)
0.03	>=0.20	BCL3 (4.5)	GMIP (3.5)	PGS1 (3.4)
0.03	>=0.20	F2 (5.4)	APOB (5.2)	LIPC (5.0)
0.03	>=0.20	F2 (5.4)	APOB (5.2)	LIPC (5.0)
0.03	>=0.20	CETP (4.5)	SLC22A3 (3.3)	TIMD4 (2.6)
0.03	>=0.20	BMPR2 (3.6)	MAMSTR (2.8)	FAM167A (2.8)
0.03	>=0.20	ACP2 (3.0)	GALNT2 (2.6)	IGF2R (2.5)
0.03	>=0.20	PTPN13 (4.4)	SFN (3.1)	SDC1 (2.7)
0.03	>=0.20	GTF3C2 (4.2)	DHX38 (3.1)	DR1 (2.5)
0.03	>=0.20	CTSB (3.4)	SDCBP (3.1)	DUSP3 (3.0)
0.03	>=0.20	RIC8B (2.5)	KANK2 (2.3)	DDB2 (2.2)
0.03	>=0.20	DDB2 (3.2)	WDR76 (2.6)	FUT1 (2.5)
0.03	>=0.20	ENSG00000182329 (3	C8orf12 (2.8)	CD300LG (2.7)
0.03	>=0.20	BLK (3.7)	PTPRJ (3.1)	BCL3 (3.0)
0.03	>=0.20	C8orf12 (3.3)	DOCK7 (2.7)	INTS10 (2.6)
0.03	>=0.20	HGFAC (2.8)	GCKR (2.6)	CYP7A1 (2.4)
0.03	>=0.20	MLXIPL (5.5)	GPAM (4.3)	LPL (4.1)
0.03	>=0.20	CYP7A1 (3.8)	FNDC4 (3.7)	GCKR (3.5)
0.03	>=0.20	DOCK6 (4.3)	LRP4 (3.3)	RFX4 (3.1)
0.03	>=0.20	LPA (5.1)	SLC22A1 (4.3)	TIMD4 (4.1)
0.03	>=0.20	VEGFA (3.5)	RSPO3 (3.2)	SLC22A3 (3.0)
0.03	>=0.20	NAGS (4.2)	ANGPTL3 (4.1)	GCKR (3.9)
0.03	>=0.20	BCL3 (4.9)	ZDHHC18 (4.3)	BCL7B (2.8)
0.03	>=0.20	DDB2 (2.5)	C1QTNF4 (2.5)	KANK2 (2.4)
0.03	>=0.20	DDB2 (3.4)	ZNF513 (3.0)	HDAC5 (2.9)

0.03	>=0.20	PPY (4.5)	PYY (3.3)	DPYSL5 (3.3)
0.03	>=0.20	NRBF2 (3.1)	NAGS (2.9)	ABHD1 (2.9)
0.03	>=0.20	ZNF512 (2.9)	SUPT7L (2.7)	SPG11 (2.5)
0.03	>=0.20	PIGV (2.4)	LPL (2.3)	ENSG00000257711 (2
0.03	>=0.20	CTSB (7.5)	ACP2 (4.7)	C2orf28 (4.4)
0.03	>=0.20	PVRL2 (2.9)	FNDC4 (2.9)	RSPO3 (2.7)
0.03	>=0.20	KANK2 (4.7)	BMPR2 (4.2)	GATA4 (3.1)
0.03	>=0.20	SDCBP (2.2)	PPIP5K1 (2.1)	FGF21 (1.9)
0.03	>=0.20	TRIB1 (4.8)	UBXN2B (3.8)	ARID1A (3.3)
0.03	>=0.20	CILP2 (4.9)	LRP4 (4.0)	FAM167A (3.6)
0.03	>=0.20	KHK (5.0)	APOA4 (4.1)	APOA1 (3.0)
0.03	>=0.20	FUT2 (3.7)	C1orf172 (3.0)	PYY (2.7)
0.03	>=0.20	AFF1 (3.9)	BMPR2 (3.6)	HDAC5 (3.3)
0.03	>=0.20	MYBPC3 (4.8)	IGF2R (4.1)	GATA4 (3.1)
0.03	>=0.20	ENSG00000182319 (3	SDC1 (2.8)	FAM167A (2.7)
0.03	>=0.20	RSPO3 (3.6)	EMILIN1 (3.3)	KANK2 (3.3)
0.03	>=0.20	AMBRA1 (4.1)	GTF3C2 (3.4)	LSM12 (3.2)
0.03	>=0.20	MAFF (5.4)	JMJD1C (3.4)	CILP2 (3.1)
0.03	>=0.20	GPAM (3.4)	LPL (3.3)	ANGPTL4 (2.7)
0.03	>=0.20	PPY (3.8)	PYY (3.5)	CMIP (2.6)
0.03	>=0.20	RSPO3 (5.0)	CILP2 (3.3)	SIDT2 (3.2)
0.03	>=0.20	KRTCAP3 (3.5)	AGBL2 (2.6)	CASC4 (2.5)
0.03	>=0.20	ATP13A1 (3.0)	NOP58 (2.9)	MTF2 (2.6)
0.03	>=0.20	KDM3A (7.1)	VEGFA (6.2)	ANGPTL4 (4.3)
0.03	>=0.20	SDC1 (3.9)	PAFAH1B2 (3.4)	NRBP1 (3.2)
0.03	>=0.20	ENSG00000257711 (3	MLXIPL (3.4)	FGF21 (3.1)
0.03	>=0.20	ENSG00000234945 (4	ENSG00000257711 (2	ENSG00000200241 (2
0.03	>=0.20	EMILIN1 (4.5)	TAGLN (4.4)	LPL (3.3)
0.03	>=0.20	EMILIN1 (4.6)	CILP2 (4.1)	LRP4 (3.0)
0.03	>=0.20	NAT2 (6.3)	APOC4 (5.0)	FNDC4 (4.9)
0.03	>=0.20	APOA4 (3.5)	KHK (3.4)	SIDT2 (2.7)
0.03	>=0.20	SUGP1 (4.3)	ZNF335 (4.3)	MAU2 (3.7)
0.03	>=0.20	SUGP1 (4.3)	ZNF335 (4.3)	MAU2 (3.7)
0.03	>=0.20	SUGP1 (4.3)	ZNF335 (4.3)	MAU2 (3.7)
0.03	>=0.20	ABHD1 (3.8)	PLA2G6 (2.9)	ANGPTL4 (2.8)
0.03	>=0.20	IGF2R (2.9)	SNX17 (2.7)	HAVCR1 (2.6)
0.03	>=0.20	FUT2 (4.0)	C1orf172 (3.0)	PYY (2.6)
0.03	>=0.20	KRTCAP3 (3.2)	ENSG00000255020 (2	TDH (2.7)
0.03	>=0.20	LPL (5.1)	NR1H3 (4.2)	APOC1 (3.5)
0.03	>=0.20	TRIB1 (5.2)	MAFF (4.3)	CITED2 (3.9)
0.03	>=0.20	PDIA3 (4.9)	AMBRA1 (3.9)	CATSPER2 (3.3)
0.03	>=0.20	NAT2 (4.9)	TM6SF2 (4.6)	SLC22A1 (4.3)
0.03	>=0.20	ENSG00000257711 (4	TIMD4 (2.7)	CETP (2.4)
0.03	>=0.20	CYP26A1 (3.5)	PTPN13 (3.4)	SIK3 (2.3)
0.03	>=0.20	ACP2 (4.0)	C2orf28 (3.9)	CTSB (3.7)
0.03	>=0.20	PGS1 (3.7)	BCL3 (3.1)	CSGALNACT1 (2.4)
0.03	>=0.20	TIMD4 (4.0)	NR1H3 (3.4)	EPB41L3 (3.2)
0.03	>=0.20	ANGPTL4 (3.9)	BCAM (3.2)	COBLL1 (3.2)
0.03	>=0.20	DUSP3 (3.5)	SDCBP (3.4)	CTSB (3.2)
0.03	>=0.20	CLPTM1 (4.4)	G6PC3 (4.3)	TMED5 (4.3)

0.03	>=0.20	DDB2 (5.8)	ABCA1 (3.1)	TIMD4 (2.9)
0.03	>=0.20	KHK (3.4)	VEGFA (3.3)	SOST (2.7)
0.03	>=0.20	RBKS (3.6)	NAGS (3.0)	IZUMO1 (2.4)
0.03	>=0.20	ENSG00000253379 (6	LRP4 (3.9)	FAM167A (2.8)
0.03	>=0.20	FNBP4 (4.0)	NOP58 (3.5)	PPM1G (2.9)
0.03	>=0.20	RASIP1 (4.5)	CD300LG (3.9)	DOCK6 (3.4)
0.03	>=0.20	FNBP4 (5.4)	CELF1 (3.5)	MTF2 (3.3)
0.03	>=0.20	FNBP4 (5.4)	CELF1 (3.5)	MTF2 (3.3)
0.03	>=0.20	RFX4 (3.0)	FZD9 (2.3)	ENSG00000182319 (2
0.03	>=0.20	KHK (5.3)	APOA4 (4.3)	APOA1 (3.0)
0.03	>=0.20	BCL3 (3.8)	PTPRJ (3.3)	ABCA1 (3.0)
0.03	>=0.20	ANGPTL3 (5.7)	F2 (5.7)	APOA1 (5.2)
0.03	>=0.20	LPL (4.7)	RASIP1 (4.1)	ZDHHC18 (3.2)
0.03	>=0.20	BCL3 (3.4)	ZDHHC18 (2.8)	SLC22A3 (2.7)
0.03	>=0.20	FNBP4 (4.0)	ZNF512 (3.1)	NOP58 (2.9)
0.03	>=0.20	HP (5.1)	FUT2 (2.7)	PVRL2 (2.3)
0.03	>=0.20	TMEM175 (3.4)	GATA4 (3.3)	MYBPC3 (3.2)
0.03	>=0.20	C2orf28 (3.9)	PLTP (3.8)	CTSB (3.7)
0.03	>=0.20	VEGFA (4.6)	FUT2 (3.9)	RASIP1 (3.8)
0.03	>=0.20	TAGLN (5.7)	CTSB (4.6)	APOE (4.1)
0.03	>=0.20	EMILIN1 (4.3)	LPL (3.3)	CLPTM1 (3.1)
0.03	>=0.20	HP (5.3)	TRIB1 (4.3)	LPL (2.5)
0.03	>=0.20	CD300LG (3.7)	EPB41L3 (3.0)	VEGFA (2.6)
0.03	>=0.20	MAFF (7.0)	TRIB1 (4.8)	HARBI1 (2.9)
0.03	>=0.20	DOCK6 (4.1)	KDM3A (2.7)	RASIP1 (2.4)
0.03	>=0.20	PPY (4.1)	EMILIN1 (3.5)	VEGFA (2.9)
0.03	>=0.20	BCL3 (4.0)	PGS1 (3.5)	CD300LG (2.5)
0.03	>=0.20	BMPR2 (4.7)	CILP2 (3.4)	CYP26A1 (3.1)
0.03	>=0.20	PTCD3 (3.1)	SNX17 (3.0)	SLC5A6 (2.9)
0.03	>=0.20	KLF14 (3.0)	GCKR (2.7)	NR0B2 (2.7)
0.03	>=0.20	DHX38 (3.5)	TP53BP1 (2.9)	DOCK6 (2.7)
0.04	>=0.20	KHK (3.6)	TM6SF2 (3.5)	ABHD1 (3.3)
0.04	>=0.20	ABHD1 (3.9)	TM6SF2 (2.8)	RBKS (2.6)
0.04	>=0.20	ZNF664 (3.1)	AFF1 (3.0)	DR1 (3.0)
0.04	>=0.20	VEGFA (4.8)	MTCH2 (3.6)	KDM3A (3.6)
0.04	>=0.20	F2 (7.0)	APOB (5.9)	HP (5.9)
0.04	>=0.20	EIF2B4 (4.2)	MTCH2 (3.7)	ARFGAP2 (3.5)
0.04	>=0.20	CTSB (3.2)	CETP (2.2)	SIDT2 (2.0)
0.04	>=0.20	PPY (3.2)	BMPR2 (2.4)	ABHD1 (2.3)
0.04	>=0.20	LSM12 (3.9)	GATA4 (3.8)	JMJD1C (3.6)
0.04	>=0.20	PPY (4.3)	SLC22A3 (3.1)	NR1H3 (3.0)
0.04	>=0.20	ARID1A (3.2)	PVRL2 (2.8)	C11orf9 (2.7)
0.04	>=0.20	BCL3 (3.6)	PYY (3.1)	NAT2 (2.9)
0.04	>=0.20	EIF2B4 (2.7)	FUT1 (2.6)	IMMT (2.6)
0.04	>=0.20	IGF2R (3.2)	CKAP5 (3.1)	GATA4 (3.0)
0.04	>=0.20	MYBPC3 (4.5)	FRMD5 (3.8)	ABO (3.3)
0.04	>=0.20	FZD9 (3.7)	RSPO3 (3.6)	MAMSTR (2.8)
0.04	>=0.20	LPAL2 (3.9)	LPA (3.2)	SLC22A1 (2.9)
0.04	>=0.20	FNBP4 (3.4)	CKAP5 (3.0)	TP53BP1 (3.0)
0.04	>=0.20	CILP2 (4.9)	FZD9 (4.5)	LRP4 (3.8)

0.04	>=0.20	PVRL2 (3.6)	RASIP1 (3.3)	PTPN13 (3.0)
0.04	>=0.20	BCL3 (4.1)	PGS1 (3.9)	ABCA1 (3.7)
0.04	>=0.20	ENSG00000179523 (3	ANGPTL3 (3.1)	AGBL2 (3.1)
0.04	>=0.20	TM6SF2 (5.1)	NAGS (5.0)	NAT2 (4.2)
0.04	>=0.20	APOA4 (6.8)	TM6SF2 (6.0)	PPY (5.9)
0.04	>=0.20	ARID1A (3.7)	CMIP (3.3)	TRIB1 (2.7)
0.04	>=0.20	ZDHHC18 (2.9)	TIMD4 (2.8)	CETP (2.8)
0.04	>=0.20	TAGLN (3.6)	KANK2 (2.5)	PACSIN3 (2.4)
0.04	>=0.20	PTPN13 (3.2)	CYP26A1 (2.7)	UBXN2B (2.4)
0.04	>=0.20	TRIB1 (3.6)	JMJD1C (3.2)	PTPN13 (3.1)
0.04	>=0.20	PLTP (3.0)	BLK (2.4)	SDC1 (2.3)
0.04	>=0.20	FGF21 (3.3)	CATSPER2 (3.0)	ATG4C (2.4)
0.04	>=0.20	RFX4 (4.2)	MAPK10 (3.0)	PPY (2.5)
0.04	>=0.20	ENSG00000253379 (5	LRP4 (4.0)	SOST (4.0)
0.04	>=0.20	C19orf80 (3.0)	ZNF512 (3.0)	HGFAC (2.7)
0.04	>=0.20	KHK (5.0)	TM6SF2 (3.8)	SLC5A6 (3.3)
0.04	>=0.20	BLK (5.7)	BCL3 (5.5)	GMIP (5.1)
0.04	>=0.20	PDIA3 (4.8)	TMED5 (4.4)	TMEM214 (4.2)
0.04	>=0.20	ARID1A (4.6)	BAZ1B (3.4)	MTMR9 (3.2)
0.04	>=0.20	PDIA3 (3.6)	GATA4 (3.0)	CASC4 (2.8)
0.04	>=0.20	MYBPC3 (6.8)	FRMD5 (3.2)	GATA4 (3.0)
0.04	>=0.20	BCL3 (3.4)	NAGS (2.2)	PTPN13 (2.2)
0.04	>=0.20	TSSK6 (2.2)	PYY (2.2)	CITED2 (2.0)
0.04	>=0.20	ENSG00000234945 (4	ARFGAP2 (2.5)	C17orf105 (2.4)
0.04	>=0.20	FNBP4 (4.4)	SUGP1 (3.9)	NOP58 (3.3)
0.04	>=0.20	NFE2L3 (2.4)	ANGPTL4 (2.2)	CCDC121 (1.9)
0.04	>=0.20	GALNT2 (3.2)	TMED5 (3.2)	PDIA3 (3.1)
0.04	>=0.20	NOP58 (4.4)	OST4 (3.5)	POLR1A (3.1)
0.04	>=0.20	C8orf49 (2.9)	BNC2 (2.9)	JMJD1C (2.6)
0.04	>=0.20	SDC1 (4.9)	SFN (4.7)	CYP7A1 (3.1)
0.04	>=0.20	BCL3 (3.7)	ABCA1 (3.7)	CETP (3.3)
0.04	>=0.20	LPA (3.7)	CYP7A1 (3.7)	SLC22A1 (3.4)
0.04	>=0.20	TIMD4 (3.2)	NFE2L3 (2.6)	MAFF (2.4)
0.04	>=0.20	REEP3 (3.4)	ENSG00000182319 (3	GMIP (3.2)
0.04	>=0.20	KRTCAP3 (2.8)	ZNF664 (2.6)	KANK2 (2.4)
0.04	>=0.20	CYP26A1 (3.3)	PVRL2 (2.9)	UCN (2.9)
0.04	>=0.20	PGS1 (4.3)	GMIP (3.6)	PTPRJ (2.9)
0.04	>=0.20	NCAN (3.0)	MAPK10 (3.0)	SLC30A3 (2.5)
0.04	>=0.20	LRP4 (2.3)	BMPR2 (2.2)	RSPO3 (2.1)
0.04	>=0.20	FZD9 (2.7)	ACP2 (2.5)	DPYSL5 (2.3)
0.04	>=0.20	MAFF (3.2)	TAGLN (3.0)	APOB (2.6)
0.04	>=0.20	TMEM214 (10.3)	PREB (6.7)	PDIA3 (5.3)
0.04	>=0.20	GMIP (4.1)	PTPRJ (2.5)	BCL3 (2.2)
0.04	>=0.20	SLC22A1 (6.6)	NAT2 (6.1)	CYP7A1 (5.4)
0.04	>=0.20	EMILIN1 (4.5)	CETP (3.8)	CCDC92 (3.8)
0.04	>=0.20	ARID1A (3.5)	TRIB1 (3.2)	BAZ1B (2.9)
0.04	>=0.20	NAT2 (5.2)	SLC22A1 (5.1)	CYP7A1 (4.9)
0.04	>=0.20	FDFT1 (3.1)	FADS2 (2.8)	PTPN13 (2.7)
0.04	>=0.20	LINC00208 (3.2)	ARFGAP2 (2.5)	NRBP1 (2.5)
0.04	>=0.20	CBLC (4.2)	C1orf172 (4.0)	DUSP3 (2.8)

0.04	>=0.20	GCKR (2.9)	KHK (2.8)	TM6SF2 (2.6)
0.04	>=0.20	FDFT1 (5.4)	FADS2 (4.7)	MLXIPL (4.4)
0.04	>=0.20	TRIM54 (4.6)	FRMD5 (4.0)	MYBPC3 (3.9)
0.04	>=0.20	LPL (3.2)	CTSB (3.0)	CILP2 (2.6)
0.04	>=0.20	APOA4 (5.3)	APOC3 (4.3)	APOA1 (3.9)
0.04	>=0.20	KHK (6.5)	ANGPTL3 (3.7)	TM6SF2 (3.1)
0.04	>=0.20	ANGPTL4 (3.1)	VEGFA (3.0)	MYBPC3 (3.0)
0.04	>=0.20	FGF21 (3.2)	AGBL2 (2.9)	TXNL4B (2.9)
0.04	>=0.20	LPL (4.1)	ENSG00000222035 (3	UCN (2.8)
0.04	>=0.20	VEGFA (2.7)	C11orf9 (2.3)	ANGPTL4 (2.2)
0.04	>=0.20	TRIB1 (6.2)	MAFF (5.9)	CITED2 (3.4)
0.04	>=0.20	TM6SF2 (3.8)	CYP7A1 (3.5)	AGBL2 (3.0)
0.04	>=0.20	EMILIN1 (4.1)	BNC2 (3.2)	CILP2 (2.9)
0.04	>=0.20	TAGLN (3.7)	IGF2R (2.8)	COBLL1 (2.7)
0.04	>=0.20	NEIL2 (3.1)	ENSG00000200241 (2	GALNT2 (2.5)
0.04	>=0.20	TAGLN (4.3)	EMILIN1 (4.1)	SLC22A1 (2.5)
0.04	>=0.20	ENSG00000256731 (7	KHK (5.4)	ANGPTL3 (2.7)
0.04	>=0.20	MYBPC3 (6.5)	GATA4 (3.6)	RASIP1 (3.0)
0.04	>=0.20	LPAL2 (3.7)	CYP7A1 (3.2)	ANGPTL3 (3.1)
0.04	>=0.20	MAFF (7.0)	TRIB1 (6.8)	FGF21 (4.0)
0.04	>=0.20	MYBPC3 (7.7)	TRIM54 (4.2)	BCAM (3.3)
0.04	>=0.20	SFN (3.6)	FUT2 (2.9)	SDC1 (2.8)
0.04	>=0.20	MAFF (2.4)	TRIB1 (2.4)	BCL3 (2.3)
0.04	>=0.20	DOCK6 (5.2)	RASIP1 (4.7)	EMILIN1 (3.2)
0.04	>=0.20	FNBP4 (4.6)	BUD13 (3.0)	PCIF1 (2.6)
0.04	>=0.20	PGS1 (3.5)	BCL3 (3.2)	TRIB1 (3.1)
0.04	>=0.20	FADS1 (4.9)	FADS2 (4.8)	GPAM (4.6)
0.04	>=0.20	FADS1 (4.9)	FADS2 (4.8)	GPAM (4.6)
0.04	>=0.20	LIPC (2.6)	C19orf80 (2.5)	NR0B2 (2.5)
0.04	>=0.20	NAT2 (6.4)	CYP7A1 (5.3)	SLC22A1 (5.2)
0.04	>=0.20	SIK3 (3.4)	FDFT1 (3.3)	GTF3C2 (3.1)
0.04	>=0.20	TIMD4 (5.9)	CETP (5.0)	PCSK7 (2.9)
0.04	>=0.20	ANGPTL3 (2.5)	F2 (2.3)	HGFAC (2.3)
0.04	>=0.20	SFN (5.6)	CBLC (5.4)	BCL3 (5.1)
0.04	>=0.20	TRIB1 (4.3)	BCL3 (4.1)	C8orf49 (3.2)
0.04	>=0.20	CELF1 (2.8)	ATG4C (2.7)	DHODH (2.5)
0.04	>=0.20	FADS1 (7.8)	FDFT1 (7.1)	FADS2 (7.1)
0.04	>=0.20	APOC4 (3.9)	ANGPTL3 (3.4)	APOC1 (2.9)
0.04	>=0.20	DPYSL5 (3.2)	RSPO3 (3.0)	CITED2 (2.8)
0.04	>=0.20	KRTCAP3 (3.8)	ENSG00000223522 (2	KANK2 (2.5)
0.04	>=0.20	GMIP (3.2)	BLK (2.9)	HDAC5 (2.6)
0.04	>=0.20	LPL (7.5)	ANGPTL4 (4.9)	MLXIPL (4.3)
0.04	>=0.20	DOCK6 (3.3)	RASIP1 (2.8)	PVRL2 (2.6)
0.04	>=0.20	PYY (6.2)	PPY (5.2)	CD300LG (3.9)
0.04	>=0.20	GMIP (2.9)	CETP (2.7)	CMIP (2.2)
0.04	>=0.20	NR1H3 (2.9)	APOA4 (2.7)	NAT2 (2.5)
0.04	>=0.20	DOCK6 (4.2)	RASIP1 (3.9)	CSGALNACT1 (2.7)
0.04	>=0.20	FADS2 (2.7)	ENSG00000223522 (2	MLXIPL (2.6)
0.04	>=0.20	PPY (4.0)	TRIB1 (3.7)	CYP26A1 (3.5)
0.04	>=0.20	RFX4 (3.0)	SOST (2.6)	RSPO3 (2.4)

0.04	>=0.20	SFN (4.7)	C1orf172 (3.1)	REEP3 (2.7)
0.04	>=0.20	ENSG00000254235 (3	LPA (2.9)	C19orf80 (2.5)
0.04	>=0.20	ENSG00000254235 (3	LPA (2.9)	C19orf80 (2.5)
0.04	>=0.20	BCL3 (3.9)	PGS1 (3.1)	LINC00208 (2.0)
0.04	>=0.20	CTSB (3.0)	BCL3 (2.9)	CETP (2.7)
0.04	>=0.20	KHK (3.8)	TM6SF2 (3.5)	ABHD1 (3.4)
0.04	>=0.20	C2orf53 (2.5)	PGS1 (2.4)	HP (2.4)
0.04	>=0.20	ARID1A (3.7)	ATP13A1 (2.9)	GATAD2A (2.8)
0.04	>=0.20	IMMT (4.3)	PTCD3 (3.4)	MTCH2 (2.8)
0.04	>=0.20	FUT2 (4.4)	PYY (3.3)	C1orf172 (3.3)
0.04	>=0.20	SLC22A3 (2.9)	CSGALNACT1 (2.6)	ACP2 (2.4)
0.05	>=0.20	GPAM (4.0)	LPL (3.6)	MLXIPL (2.9)
0.05	>=0.20	PDIA3 (4.2)	ATG13 (3.8)	PREB (3.3)
0.05	>=0.20	LSM12 (3.3)	ATG13 (2.8)	ARHGAP1 (2.7)
0.05	>=0.20	MYBPC3 (5.6)	TRIM54 (4.6)	GCKR (3.9)
0.05	>=0.20	HGFAC (2.7)	C1orf172 (2.7)	PYY (2.6)
0.05	>=0.20	CITED2 (4.3)	ARID1A (4.0)	KDM3A (3.6)
0.05	>=0.20	OST4 (4.0)	CCDC92 (3.5)	ANGPTL3 (3.1)
0.05	>=0.20	RASIP1 (4.1)	RFX4 (3.5)	DOCK6 (3.3)
0.05	>=0.20	ARID1A (2.9)	PPIP5K1 (2.9)	CMIP (2.8)
0.05	>=0.20	TIMD4 (3.8)	CETP (3.3)	AGBL2 (2.6)
0.05	>=0.20	PGS1 (3.3)	BCL3 (3.0)	CD300LG (2.4)
0.05	>=0.20	LPAL2 (4.2)	CYP7A1 (3.2)	LPA (2.8)
0.05	>=0.20	PGS1 (3.9)	BCL3 (3.7)	CD300LG (1.9)
0.05	>=0.20	MYBPC3 (5.4)	GATA4 (4.3)	BCAM (2.8)
0.05	>=0.20	CYP26A1 (3.1)	SOST (2.9)	RSPO3 (2.5)
0.05	>=0.20	APOA4 (5.2)	APOC3 (4.2)	TM6SF2 (3.9)
0.05	>=0.20	TM6SF2 (5.0)	NAT2 (4.3)	NAGS (4.1)
0.05	>=0.20	NR1H3 (5.7)	TIMD4 (5.5)	CTSB (5.5)
0.05	>=0.20	SDCBP (3.1)	TRIB1 (2.9)	JMJD1C (2.6)
0.05	>=0.20	CD300LG (3.9)	FADS2 (3.5)	RASIP1 (3.5)
0.05	>=0.20	FNBP4 (4.5)	NOP58 (3.5)	DHX38 (2.8)
0.05	>=0.20	VEGFA (4.1)	RASIP1 (3.2)	MAFF (3.1)
0.05	>=0.20	CILP2 (6.3)	EMILIN1 (5.5)	TAGLN (3.2)
0.05	>=0.20	TOMM40 (3.4)	POLR1A (3.3)	GPAM (3.2)
0.05	>=0.20	VEGFA (4.6)	KDM3A (3.6)	PTPRJ (3.3)
0.05	>=0.20	CYP26A1 (3.5)	SDC1 (3.4)	EMILIN1 (2.7)
0.05	>=0.20	ANGPTL4 (2.7)	BCL3 (2.2)	TDH (2.2)
0.05	>=0.20	MAFF (3.0)	ENSG00000182319 (2	ZDHHC18 (2.4)
0.05	>=0.20	BCL3 (3.2)	NFE2L3 (3.0)	ACP2 (2.6)
0.05	>=0.20	CMIP (3.6)	C1orf172 (3.3)	MTMR9 (2.7)
0.05	>=0.20	FZD9 (4.6)	PTPN13 (4.3)	CILP2 (4.1)
0.05	>=0.20	TIMD4 (7.3)	CETP (3.9)	ACP2 (3.6)
0.05	>=0.20	DOCK6 (3.7)	RASIP1 (2.6)	FUT2 (2.5)
0.05	>=0.20	DNAJC5G (3.9)	PBX4 (2.4)	GATA4 (2.3)
0.05	>=0.20	NAT2 (4.6)	ANGPTL3 (3.6)	KHK (3.6)
0.05	>=0.20	TRIB1 (3.2)	GTF3C2 (2.7)	PTPN13 (2.6)
0.05	>=0.20	LPL (5.5)	GMIP (3.7)	APOE (3.5)
0.05	>=0.20	BCL3 (3.5)	PGS1 (3.1)	CSGALNACT1 (2.5)
0.05	>=0.20	FNBP4 (4.3)	DHX38 (3.2)	NOP58 (3.0)

0.05 >=0.20	LRP4 (4.7)	EMILIN1 (4.2)	SOST (4.1)
0.05 >=0.20	DDB2 (4.6)	MAFF (2.6)	MLXIPL (2.3)
0.05 >=0.20	ANGPTL4 (4.6)	VEGFA (3.7)	KDM3A (2.5)
0.05 >=0.20	BCAM (3.0)	VEGFA (2.8)	PDIA3 (2.4)
0.05 >=0.20	RSPO3 (3.2)	PYY (2.5)	CETP (2.4)
0.05 >=0.20	TRIB1 (5.9)	MAFF (5.8)	CITED2 (3.6)
0.05 >=0.20	BLK (4.5)	TIMD4 (3.1)	CETP (2.8)
0.05 >=0.20	SDCBP (2.5)	RASIP1 (2.4)	CD300LG (2.2)
0.05 >=0.20	C11orf9 (2.6)	TDH (2.5)	ABO (2.3)
0.05 >=0.20	C1orf172 (5.8)	CBLC (4.9)	FUT1 (3.7)
0.05 >=0.20	MAFF (3.2)	NFE2L3 (2.8)	ABCA1 (2.8)
0.05 >=0.20	NSMAF (4.0)	CELF1 (3.3)	KANK2 (3.1)
0.05 >=0.20	BLK (6.8)	GMIP (3.5)	ZDHHC18 (3.1)
0.05 >=0.20	STRC (4.1)	MPV17 (2.0)	KHK (1.9)
0.05 >=0.20	TAGLN (3.0)	GALNT2 (2.2)	APOE (2.2)
0.05 >=0.20	TRIB1 (3.9)	CMIP (3.0)	BLK (2.5)
0.05 >=0.20	TRIB1 (5.1)	MAFF (4.3)	CITED2 (3.5)
0.05 >=0.20	KHK (6.0)	SLC5A6 (3.7)	TM6SF2 (3.4)
0.05 >=0.20	BCL3 (4.8)	PGS1 (3.5)	GMIP (3.2)
0.05 >=0.20	CELF1 (3.8)	NUP160 (3.8)	BAZ1B (3.6)
0.05 >=0.20	CD300LG (2.7)	GATAD2A (2.5)	ENSG00000236827 (2
0.05 >=0.20	AFF1 (4.2)	PAFAH1B2 (3.3)	PCSK7 (2.9)
0.05 >=0.20	GMIP (3.9)	BCL3 (3.5)	CETP (2.9)
0.05 >=0.20	BMPR2 (3.5)	TRIB1 (3.2)	PVRL2 (3.0)
0.05 >=0.20	BCL3 (3.2)	GMIP (3.0)	MAFF (2.8)
0.05 >=0.20	SLC22A1 (4.6)	NAT2 (4.5)	APOC1 (3.9)
0.05 >=0.20	BLK (9.1)	TIMD4 (3.3)	GMIP (2.9)
0.05 >=0.20	AFF1 (3.6)	ARID1A (3.3)	TUBGCP4 (2.3)
0.05 >=0.20	FNBP4 (4.8)	ZNF512 (2.8)	NOP58 (2.8)
0.05 >=0.20	DUSP3 (2.5)	TRIB1 (2.4)	MAFF (2.4)
0.05 >=0.20	VEGFA (3.6)	SOST (3.3)	KHK (3.0)
0.05 >=0.20	EPB41L3 (3.0)	DOCK6 (2.8)	FUT2 (2.7)
0.05 >=0.20	APOA1 (5.0)	ANGPTL3 (4.4)	F2 (4.3)
0.05 >=0.20	MAFF (6.2)	TRIB1 (5.8)	BCL3 (4.7)
0.05 >=0.20	PMFBP1 (3.4)	SIDT2 (3.0)	PLA2G6 (2.8)
0.05 >=0.20	SFN (4.9)	CBLC (3.7)	FDFT1 (2.9)
0.05 >=0.20	C2orf28 (4.0)	APOC1 (3.7)	F2 (3.3)
0.05 >=0.20	GTF3C2 (2.8)	FDFT1 (2.6)	ENSG00000234945 (2
0.05 >=0.20	PVRL2 (3.3)	ARHGAP1 (2.9)	PTPRJ (2.7)
0.05 >=0.20	ABHD1 (3.7)	PLA2G6 (2.8)	LPAL2 (2.7)
0.05 >=0.20	LRP4 (2.5)	APOE (2.3)	BNC2 (2.3)
0.05 >=0.20	SFN (5.0)	CBLC (3.6)	ENSG00000236267 (3
0.05 >=0.20	RASIP1 (5.5)	CD300LG (4.3)	DOCK6 (3.1)
0.05 >=0.20	NAT2 (4.1)	LPA (4.0)	TM6SF2 (3.7)
0.05 >=0.20	KHK (5.5)	TM6SF2 (3.7)	SLC5A6 (3.2)
0.05 >=0.20	ABCA1 (2.7)	DDB2 (2.4)	ACP2 (2.4)
0.05 >=0.20	NRBP1 (3.5)	GTF3C2 (3.2)	ARHGAP1 (2.9)
0.05 >=0.20	PGS1 (4.5)	BCL3 (3.5)	RASIP1 (3.1)
0.05 >=0.20	C11orf49 (3.4)	RFX4 (2.6)	DPYSL5 (2.5)
0.05 >=0.20	MAFF (5.3)	JMJD1C (4.3)	TRIB1 (3.3)

0.05	>=0.20	CILP2 (4.0)	CYP26A1 (3.0)	RSPO3 (3.0)
0.05	>=0.20	TRIB1 (4.2)	AMBRA1 (3.1)	MAFF (3.1)
0.05	>=0.20	KHK (3.1)	ABHD1 (2.8)	LPAR2 (2.6)
0.05	>=0.20	FNBP4 (3.7)	ARFGAP2 (3.3)	EIF2B4 (3.1)
0.05	>=0.20	FNBP4 (3.7)	ARFGAP2 (3.3)	EIF2B4 (3.1)
0.05	>=0.20	CILP2 (4.8)	TAGLN (4.7)	ANGPTL4 (3.6)
0.05	>=0.20	BUD13 (3.2)	RIC8B (3.0)	BMPR2 (2.6)
0.05	>=0.20	NR0B2 (4.4)	APOA4 (4.4)	PPY (4.2)
0.05	>=0.20	COBLL1 (4.4)	GMIP (3.4)	BLK (2.5)
0.05	>=0.20	PDIA3 (5.3)	CTSB (4.4)	APOE (3.1)
0.05	>=0.20	ABCA1 (3.7)	APOC1 (2.9)	CTSB (2.9)
0.05	>=0.20	BCL3 (4.4)	PGS1 (4.1)	UBXN2B (4.0)
0.05	>=0.20	MAFF (2.4)	LINC00208 (2.3)	ANGPTL4 (2.3)
0.05	>=0.20	PPY (4.6)	PYY (4.1)	OST4 (3.5)
0.05	>=0.20	BCL3 (2.7)	LPL (2.6)	CTSB (2.5)
0.05	>=0.20	PGS1 (2.8)	BCL3 (2.8)	IZUMO1 (2.1)
0.05	>=0.20	APOC4 (4.4)	FNDC4 (4.1)	CYP7A1 (3.9)
0.05	>=0.20	NFE2L3 (2.8)	C2orf16 (2.3)	TIMD4 (2.1)
0.05	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.1)
0.05	>=0.20	ABHD1 (3.2)	NR0B2 (2.5)	AMBRA1 (2.2)
0.05	>=0.20	SDC1 (2.7)	CILP2 (2.6)	CYP26A1 (2.4)
0.05	>=0.20	IMMT (4.3)	ANGPTL4 (3.4)	ABHD1 (3.1)
0.05	>=0.20	BCL3 (4.9)	CILP2 (3.9)	GMIP (3.4)
0.05	>=0.20	LPA (5.1)	APOC4 (4.4)	GPAM (3.4)
0.05	>=0.20	CLPTM1 (3.1)	TRIM54 (3.0)	VEGFA (2.6)
0.05	>=0.20	CLPTM1 (3.1)	TRIM54 (3.0)	VEGFA (2.6)
0.05	>=0.20	SOST (4.5)	LPL (3.8)	EMILIN1 (3.5)
0.05	>=0.20	PTPN13 (4.9)	GATA4 (3.7)	C8orf49 (3.4)
0.05	>=0.20	FADS2 (8.2)	FADS1 (7.5)	FDFT1 (6.6)
0.05	>=0.20	PGS1 (3.4)	BCL3 (3.2)	CD300LG (2.0)
0.05	>=0.20	BCL3 (3.2)	PGS1 (2.8)	LINC00208 (2.0)
0.06	>=0.20	BLK (3.6)	CETP (3.5)	TIMD4 (3.5)
0.06	>=0.20	ANGPTL4 (3.3)	SDC1 (2.5)	FADS2 (2.3)
0.06	>=0.20	EMILIN1 (6.1)	TAGLN (4.2)	CETP (2.9)
0.06	>=0.20	GATAD2A (3.6)	PLA2G6 (3.4)	ATP13A1 (3.2)
0.06	>=0.20	SFN (4.0)	PVRL2 (3.5)	PDIA3 (3.0)
0.06	>=0.20	POLR1A (4.2)	CAD (4.1)	DHX38 (3.6)
0.06	>=0.20	GCKR (2.7)	LIPC (2.7)	HP (2.6)
0.06	>=0.20	ABHD1 (3.3)	HP (2.9)	CTSB (2.4)
0.06	>=0.20	TMEM214 (5.7)	PDIA3 (4.3)	TBL2 (4.0)
0.06	>=0.20	KDM3A (3.5)	DOCK7 (2.9)	TBL2 (2.8)
0.06	>=0.20	BLK (6.7)	AFF1 (4.3)	TIMD4 (2.7)
0.06	>=0.20	BNC2 (2.4)	CSGALNACT1 (2.2)	SDC1 (2.0)
0.06	>=0.20	LPL (3.8)	CD300LG (3.1)	RASIP1 (2.9)
0.06	>=0.20	ENSG00000235545 (2	TECTB (2.1)	PGS1 (1.8)
0.06	>=0.20	FNBP4 (4.3)	GTF3C2 (3.7)	USP1 (3.3)
0.06	>=0.20	TAGLN (5.0)	SFN (4.4)	CBLC (4.3)
0.06	>=0.20	NR0B2 (2.9)	BRE (2.7)	MTCH2 (2.7)
0.06	>=0.20	ENSG00000257711 (4	ENSG00000256746 (3	ENSG00000256731 (2
0.06	>=0.20	NR1H3 (3.6)	ACP2 (3.3)	EMILIN1 (3.1)

0.06	>=0.20	JMJD1C (2.6)	MPP3 (2.4)	AFF1 (2.2)
0.06	>=0.20	RSPO3 (3.2)	ENSG00000236827 (2	LPAL2 (2.5)
0.06	>=0.20	ENSG00000257711 (3	FGF21 (3.3)	HP (3.1)
0.06	>=0.20	BCL3 (3.1)	PGS1 (2.8)	IZUMO1 (2.0)
0.06	>=0.20	LRP4 (2.8)	PTPN13 (2.7)	PCSK7 (2.5)
0.06	>=0.20	CILP2 (6.6)	FZD9 (4.0)	RSPO3 (2.9)
0.06	>=0.20	CYP26A1 (5.7)	GATA4 (3.4)	PVRL2 (2.6)
0.06	>=0.20	RASIP1 (5.9)	CETP (4.0)	DOCK6 (3.3)
0.06	>=0.20	TECTB (3.6)	SDC1 (3.3)	CBLC (3.0)
0.06	>=0.20	GMIP (2.9)	BLK (2.5)	HP (2.1)
0.06	>=0.20	RFX4 (4.9)	NCAN (3.9)	ENSG00000236827 (2
0.06	>=0.20	CTSB (5.0)	BCL3 (3.5)	GMIP (2.3)
0.06	>=0.20	ARID1A (4.5)	CMIP (3.3)	TRIB1 (2.5)
0.06	>=0.20	EIF2B4 (2.3)	TRNP1 (2.1)	MAFF (2.0)
0.06	>=0.20	PGS1 (4.0)	NSMAF (3.1)	UBXN2B (2.8)
0.06	>=0.20	TMED5 (3.3)	TMEM175 (3.3)	PDIA3 (3.0)
0.06	>=0.20	CYP7A1 (3.9)	ABO (3.4)	NAT2 (3.0)
0.06	>=0.20	BCL3 (3.5)	NFE2L3 (3.5)	PTPRJ (3.3)
0.06	>=0.20	CSGALNACT1 (2.5)	C8orf12 (2.4)	MAMSTR (2.2)
0.06	>=0.20	PPY (2.9)	EMILIN1 (2.6)	IGF2R (2.6)
0.06	>=0.20	ANGPTL3 (3.7)	NAGS (3.6)	LIPC (3.4)
0.06	>=0.20	MAFF (5.1)	FGF21 (4.2)	TRIB1 (4.1)
0.06	>=0.20	C8orf49 (4.1)	PMFBP1 (2.7)	C2orf53 (2.4)
0.06	>=0.20	C8orf49 (4.1)	PMFBP1 (2.7)	C2orf53 (2.4)
0.06	>=0.20	RASIP1 (5.0)	RSPO3 (3.0)	DOCK6 (2.9)
0.06	>=0.20	CYP7A1 (5.5)	SLC22A1 (4.2)	LPA (4.1)
0.06	>=0.20	FRMD5 (2.3)	CCDC121 (2.1)	PVRL2 (2.0)
0.06	>=0.20	CTSB (3.2)	APOE (2.8)	SLC22A1 (2.3)
0.06	>=0.20	GMIP (3.0)	BLK (2.9)	TRIB1 (2.7)
0.06	>=0.20	ANGPTL3 (2.9)	KANK2 (2.6)	HGFAC (2.3)
0.06	>=0.20	TRIB1 (6.8)	MAFF (5.0)	CITED2 (4.2)
0.06	>=0.20	BMPR2 (2.8)	PTPN13 (2.4)	HDAC5 (1.9)
0.06	>=0.20	BCAM (4.7)	RSPO3 (4.4)	PVRL2 (3.7)
0.06	>=0.20	BCL3 (4.2)	TRIB1 (3.8)	MAFF (3.6)
0.06	>=0.20	ANGPTL4 (4.8)	GPAM (4.5)	LPL (4.3)
0.06	>=0.20	SPG11 (2.5)	ENSG00000226645 (2	ZNF664 (2.3)
0.06	>=0.20	DOCK6 (4.0)	KDM3A (2.9)	CD300LG (2.7)
0.06	>=0.20	NRBF2 (4.1)	MAFF (3.0)	TRIB1 (2.9)
0.06	>=0.20	CILP2 (4.5)	EMILIN1 (3.2)	ABCA1 (2.9)
0.06	>=0.20	NCAN (4.5)	RFX4 (4.1)	DPYSL5 (3.7)
0.06	>=0.20	BCL3 (3.7)	MAFF (3.4)	PTPRJ (2.7)
0.06	>=0.20	RASIP1 (3.7)	DOCK6 (3.6)	PCSK7 (3.1)
0.06	>=0.20	TECTB (3.6)	ENSG00000257711 (3	ENSG00000256746 (3
0.06	>=0.20	HAPLN4 (3.1)	MLXIPL (3.1)	GPAM (2.9)
0.06	>=0.20	LIPC (3.1)	GCKR (3.1)	ENSG00000222035 (2
0.06	>=0.20	NRBP1 (3.4)	IMMT (3.3)	PDIA3 (2.9)
0.06	>=0.20	ENSG00000236267 (5	ENSG00000234945 (2	LPAL2 (2.6)
0.06	>=0.20	CETP (5.2)	BLK (3.0)	GMIP (2.8)
0.06	>=0.20	CETP (3.4)	DOCK6 (3.3)	RASIP1 (2.6)
0.06	>=0.20	CITED2 (2.7)	FGF21 (2.3)	BCL3 (2.3)

0.06 >=0.20	PDIA3 (5.1)	AMBRA1 (3.8)	CATSPER2 (3.7)
0.06 >=0.20	EMILIN1 (2.5)	SDC1 (2.3)	RASIP1 (2.3)
0.06 >=0.20	TECTB (3.2)	LPL (2.7)	PPIP5K1 (2.3)
0.06 >=0.20	CMIP (4.0)	AFF1 (3.1)	C11orf9 (2.8)
0.06 >=0.20	F2 (2.9)	LIPC (2.8)	APOB (2.8)
0.06 >=0.20	C1orf172 (3.8)	BCL7B (3.8)	CBLC (2.8)
0.06 >=0.20	BCL3 (4.3)	GPN2 (2.7)	ZDHHC18 (2.6)
0.06 >=0.20	NRBP1 (3.3)	ATG13 (3.2)	ZDHHC18 (3.1)
0.06 >=0.20	LPAR2 (3.1)	SPG11 (2.8)	GPAM (2.7)
0.06 >=0.20	NOP58 (4.8)	FNBP4 (3.6)	DHX38 (3.4)
0.06 >=0.20	BMPR2 (6.2)	PVRL2 (3.4)	EPB41L3 (3.2)
0.06 >=0.20	PTPRJ (3.2)	GMIP (2.8)	ACP2 (2.7)
0.06 >=0.20	TM6SF2 (5.6)	APOA4 (5.5)	NR0B2 (4.4)
0.06 >=0.20	BCL3 (3.8)	BMPR2 (2.8)	ZDHHC18 (2.8)
0.06 >=0.20	NOP58 (4.5)	ZNF259 (4.4)	POLR1A (4.2)
0.06 >=0.20	PPY (8.6)	PYY (3.3)	C11orf9 (2.9)
0.06 >=0.20	RASIP1 (3.0)	RFX4 (2.9)	DOCK6 (2.8)
0.06 >=0.20	BCL3 (3.7)	TRIB1 (3.6)	GMIP (2.9)
0.06 >=0.20	TMEM175 (3.5)	ENSG00000223745 (3	PIGV (3.1)
0.06 >=0.20	ARID1A (4.4)	KDM3A (3.3)	ZNF513 (3.1)
0.06 >=0.20	FNDC4 (3.8)	ENSG00000253379 (3	GATA4 (3.2)
0.06 >=0.20	CILP2 (3.0)	CYP26A1 (2.7)	CASC4 (2.7)
0.06 >=0.20	TECTB (3.7)	SDC1 (3.3)	CBLC (3.0)
0.06 >=0.20	PBX4 (2.7)	GMIP (2.5)	CMIP (2.4)
0.06 >=0.20	MYBPC3 (4.2)	RASIP1 (3.0)	TRIM54 (2.7)
0.06 >=0.20	MPP2 (4.5)	MPP3 (3.7)	MAPRE3 (3.1)
0.06 >=0.20	APOA4 (5.6)	TM6SF2 (4.8)	LPL (3.3)
0.06 >=0.20	TRIB1 (4.1)	ARID1A (4.0)	C8orf49 (2.5)
0.06 >=0.20	TRIB1 (4.1)	ARID1A (4.0)	C8orf49 (2.5)
0.06 >=0.20	NOP58 (4.1)	CAD (3.5)	PTCD3 (2.8)
0.06 >=0.20	G6PC3 (5.1)	TMEM175 (4.9)	C2orf28 (4.8)
0.06 >=0.20	CBLC (6.1)	C1orf172 (6.1)	KRTCAP3 (4.1)
0.06 >=0.20	SDCBP (3.5)	CHMP3 (3.2)	CTSB (3.1)
0.06 >=0.20	ENSG00000182319 (3	NRBF2 (2.6)	LRP4 (2.6)
0.06 >=0.20	SDCBP (2.5)	PVRL2 (2.5)	ZNF664 (2.2)
0.06 >=0.20	BCAM (4.4)	SLC22A3 (3.8)	RSPO3 (3.0)
0.06 >=0.20	FADS1 (4.7)	FGF21 (3.5)	NR1H3 (3.0)
0.06 >=0.20	TMEM214 (6.3)	PREB (5.5)	TBL2 (4.0)
0.06 >=0.20	C8orf49 (5.0)	GATA4 (4.1)	BNC2 (3.0)
0.06 >=0.20	FDFT1 (12.8)	FADS1 (10.7)	FADS2 (9.7)
0.06 >=0.20	TP53BP1 (3.6)	CCDC18 (3.3)	INTS10 (3.2)
0.06 >=0.20	BLK (3.7)	GMIP (2.7)	HAVCR1 (2.3)
0.06 >=0.20	ANGPTL3 (4.4)	IMMT (4.4)	DHODH (3.3)
0.06 >=0.20	BMPR2 (4.5)	SUMO1 (3.0)	C1orf172 (2.8)
0.06 >=0.20	APOB (7.1)	APOA1 (6.7)	APOC3 (6.3)
0.06 >=0.20	TMEM175 (2.0)	PACSIN3 (1.9)	BCL7B (1.9)
0.06 >=0.20	TMEM175 (2.0)	PACSIN3 (1.9)	BCL7B (1.9)
0.06 >=0.20	NOP58 (5.7)	ZNF259 (5.3)	POLR1A (3.8)
0.06 >=0.20	PGS1 (3.5)	BCL3 (3.4)	CD300LG (2.2)
0.06 >=0.20	EMILIN1 (4.6)	FADS2 (4.0)	CSGALNACT1 (3.2)

0.06 >=0.20	CBLC (6.5)	SFN (6.2)	C1orf172 (4.3)
0.06 >=0.20	TRIB1 (4.0)	ARID1A (4.0)	C8orf49 (2.5)
0.06 >=0.20	CTSB (4.8)	SIDT2 (3.6)	ATP13A1 (3.5)
0.06 >=0.20	MAFF (3.6)	C8orf49 (3.5)	NAGS (2.7)
0.06 >=0.20	BCL3 (4.8)	GMIP (3.3)	APOC1 (2.6)
0.06 >=0.20	BLK (5.8)	GMIP (4.5)	ZDHHC18 (2.6)
0.06 >=0.20	ARFGAP2 (3.4)	ATP13A1 (3.3)	IMMT (3.2)
0.06 >=0.20	NOP58 (3.9)	OST4 (3.1)	ZNF259 (2.7)
0.06 >=0.20	ABCA1 (4.3)	APOC1 (4.2)	NR1H3 (3.8)
0.06 >=0.20	ARID1A (2.9)	JMJD1C (2.8)	IGF2R (2.8)
0.06 >=0.20	MYBPC3 (8.5)	FRMD5 (4.9)	TRIM54 (4.8)
0.06 >=0.20	SFN (8.2)	CBLC (4.9)	C1orf172 (4.6)
0.06 >=0.20	CTSB (6.4)	ACP2 (3.7)	DUSP3 (3.4)
0.06 >=0.20	ABCA1 (3.0)	CKAP5 (2.8)	NR1H3 (2.7)
0.06 >=0.20	IMMT (3.9)	FNBP4 (3.1)	PPM1G (2.9)
0.07 >=0.20	ANGPTL4 (5.1)	CSGALNACT1 (4.3)	RSPO3 (3.3)
0.07 >=0.20	CETP (4.2)	SLC30A3 (3.8)	CD300LG (3.2)
0.07 >=0.20	LINC00208 (2.9)	BCL3 (2.5)	PGS1 (2.2)
0.07 >=0.20	CYP26A1 (4.9)	RSPO3 (3.5)	CCDC121 (2.7)
0.07 >=0.20	LPAL2 (2.3)	CTSB (2.3)	TRIB1 (2.2)
0.07 >=0.20	DOCK6 (4.2)	RASIP1 (2.9)	EMILIN1 (2.6)
0.07 >=0.20	VEGFA (3.4)	DOCK7 (3.3)	ABCA1 (2.7)
0.07 >=0.20	SFN (3.1)	DOCK7 (2.5)	CHMP3 (2.4)
0.07 >=0.20	HP (5.0)	BCL3 (3.0)	ABCA1 (3.0)
0.07 >=0.20	BCL3 (6.8)	PGS1 (3.9)	BMPR2 (2.9)
0.07 >=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.0)
0.07 >=0.20	TRIB1 (4.9)	ANGPTL4 (4.3)	MAFF (4.2)
0.07 >=0.20	CITED2 (2.7)	NEIL2 (2.6)	MAFF (2.5)
0.07 >=0.20	TMEM214 (7.1)	PDIA3 (6.8)	TBL2 (4.1)
0.07 >=0.20	NOP58 (5.8)	ZNF259 (4.8)	POLR1A (4.2)
0.07 >=0.20	POLR1A (4.5)	NOP58 (4.4)	ZNF259 (3.5)
0.07 >=0.20	RFX4 (3.2)	CASC4 (3.0)	DOCK7 (2.8)
0.07 >=0.20	LRP4 (3.4)	CYP26A1 (3.3)	PVRL2 (3.2)
0.07 >=0.20	MAFF (6.6)	TRIB1 (6.0)	FGF21 (4.6)
0.07 >=0.20	LPL (5.1)	MLXIPL (3.7)	GPAM (3.6)
0.07 >=0.20	DDB2 (3.5)	UBXN2B (2.6)	MAMSTR (2.4)
0.07 >=0.20	TDH (6.0)	ENSG00000255020 (4	C8orf49 (3.2)
0.07 >=0.20	TBL2 (4.1)	ACP2 (3.5)	SIDT2 (3.0)
0.07 >=0.20	PPM1G (3.9)	PREB (3.6)	TOMM40 (3.5)
0.07 >=0.20	BLK (3.3)	LRP4 (2.7)	KDM3A (2.7)
0.07 >=0.20	PYY (3.1)	SDCBP (2.8)	ENSG00000235545 (2
0.07 >=0.20	EMILIN1 (5.0)	CILP2 (4.9)	TAGLN (3.8)
0.07 >=0.20	RASIP1 (6.8)	DOCK6 (3.0)	ENSG00000256746 (2
0.07 >=0.20	PTPRJ (3.3)	CILP2 (2.6)	APOE (2.3)
0.07 >=0.20	BCL3 (4.0)	PGS1 (3.1)	CSGALNACT1 (2.0)
0.07 >=0.20	BRE (3.5)	BMPR2 (2.9)	PIGV (2.8)
0.07 >=0.20	PGS1 (3.2)	BCL3 (2.9)	ENSG00000236827 (1
0.07 >=0.20	BCL3 (3.0)	PGS1 (2.8)	CSGALNACT1 (2.1)
0.07 >=0.20	TRIB1 (2.9)	ARID1A (2.8)	PTPRJ (2.6)
0.07 >=0.20	ZDHHC18 (2.9)	MAFF (2.9)	C11orf9 (2.3)

0.07 >=0.20	BMPR2 (2.9)	PVRL2 (2.6)	LPAR2 (2.3)
0.07 >=0.20	BCL3 (3.1)	PGS1 (2.8)	CSGALNACT1 (2.1)
0.07 >=0.20	LIPC (2.8)	GCKR (2.8)	HP (2.7)
0.07 >=0.20	BCL3 (3.1)	PGS1 (2.9)	CSGALNACT1 (2.1)
0.07 >=0.20	BCL3 (3.1)	PGS1 (2.9)	CSGALNACT1 (2.1)
0.07 >=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.07 >=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.07 >=0.20	FNBP4 (5.2)	MTF2 (3.5)	CELF1 (3.4)
0.07 >=0.20	GPAM (4.7)	FADS1 (4.6)	FADS2 (4.6)
0.07 >=0.20	BUD13 (2.7)	CMIP (2.4)	MPP2 (2.2)
0.07 >=0.20	C19orf80 (2.7)	NR0B2 (2.7)	GPAM (2.7)
0.07 >=0.20	FUT2 (4.0)	PYY (3.5)	NAT2 (3.2)
0.07 >=0.20	CTSB (4.3)	APOC1 (3.6)	APOE (3.3)
0.07 >=0.20	FNBP4 (4.3)	ZNF512 (3.3)	DHX38 (3.0)
0.07 >=0.20	ARID1A (3.2)	PCIF1 (2.8)	IGF2R (2.7)
0.07 >=0.20	ENSG00000182319 (3	PTPRJ (2.6)	GMIP (2.4)
0.07 >=0.20	TRIB1 (4.9)	GATA4 (4.2)	MAFF (3.2)
0.07 >=0.20	DHODH (3.1)	CAD (3.1)	CELF1 (2.7)
0.07 >=0.20	FZD9 (3.1)	PVRL2 (2.9)	TRIB1 (2.7)
0.07 >=0.20	FDFT1 (3.9)	GPAM (3.9)	FADS2 (3.8)
0.07 >=0.20	LPA (3.6)	SLC22A1 (3.4)	TIMD4 (3.1)
0.07 >=0.20	PBX4 (2.7)	AFF1 (2.5)	CYP26A1 (2.2)
0.07 >=0.20	FADS2 (7.3)	FDFT1 (7.2)	FADS1 (6.6)
0.07 >=0.20	BCL3 (3.4)	PGS1 (3.1)	CSGALNACT1 (2.1)
0.07 >=0.20	NRBP1 (3.3)	SDCBP (3.0)	CHMP3 (2.6)
0.07 >=0.20	BCL3 (3.5)	NEIL2 (3.2)	AGBL2 (3.0)
0.07 >=0.20	DHODH (3.7)	TOMM40 (3.2)	CYP7A1 (3.0)
0.07 >=0.20	BCL3 (3.4)	PGS1 (3.1)	CSGALNACT1 (2.1)
0.07 >=0.20	C8orf49 (3.3)	BMPR2 (3.1)	KANK2 (3.0)
0.07 >=0.20	BCL3 (3.2)	PGS1 (2.8)	CSGALNACT1 (2.2)
0.07 >=0.20	FNBP4 (3.8)	DHX38 (3.8)	GTF3C2 (3.3)
0.07 >=0.20	PPY (6.5)	APOC3 (4.0)	APOB (3.5)
0.07 >=0.20	BLK (4.1)	GMIP (3.4)	ZDHHC18 (2.7)
0.07 >=0.20	CYP26A1 (3.7)	C8orf12 (2.3)	PVRL2 (2.1)
0.07 >=0.20	BLK (3.6)	ZDHHC18 (3.3)	TIMD4 (3.1)
0.07 >=0.20	FUT2 (3.6)	C1orf172 (3.1)	PYY (3.0)
0.07 >=0.20	NOP58 (3.8)	ZNF335 (2.8)	CKAP5 (2.7)
0.07 >=0.20	LPA (3.5)	SLC22A1 (3.3)	TIMD4 (3.1)
0.07 >=0.20	TIMD4 (3.2)	ZDHHC18 (2.9)	BCL3 (2.6)
0.07 >=0.20	APOA4 (4.5)	TM6SF2 (4.4)	NAGS (3.8)
0.07 >=0.20	PGS1 (5.9)	BCL3 (4.9)	AFF1 (2.3)
0.07 >=0.20	ENSG00000234945 (4	ENSG00000257711 (3	BCL7B (2.5)
0.07 >=0.20	BCL3 (4.6)	APOA4 (3.8)	NFE2L3 (3.5)
0.07 >=0.20	FNBP4 (4.6)	GTF3C2 (3.5)	USP1 (3.4)
0.07 >=0.20	TRIB1 (7.0)	MAFF (5.5)	CITED2 (5.0)
0.07 >=0.20	LRP4 (4.5)	ENSG00000253379 (3	CYP26A1 (2.6)
0.07 >=0.20	ANGPTL3 (4.3)	LIPC (3.9)	NAGS (3.8)
0.07 >=0.20	TRIB1 (4.5)	ARID1A (3.3)	PCIF1 (3.2)
0.07 >=0.20	ENSG00000226645 (3	C2orf16 (2.9)	LINC00208 (2.5)
0.07 >=0.20	FDFT1 (11.6)	FADS1 (9.4)	FADS2 (8.8)

0.07	>=0.20	RASIP1 (5.2)	CETP (2.6)	BMPR2 (2.6)
0.07	>=0.20	RFX4 (3.2)	DPYSL5 (3.1)	PTPN13 (2.6)
0.07	>=0.20	ARID1A (3.8)	UBXN2B (3.2)	PCIF1 (3.0)
0.07	>=0.20	NOP58 (3.6)	TOMM40 (3.5)	PPM1G (3.3)
0.07	>=0.20	FDFT1 (3.1)	CYP26A1 (2.8)	COBLL1 (2.2)
0.07	>=0.20	ATP13A1 (3.8)	TOMM40 (3.6)	CETP (2.6)
0.07	>=0.20	PPY (3.2)	BCAM (2.9)	BNC2 (2.9)
0.07	>=0.20	GMIP (3.4)	PTPRJ (2.9)	ZDHHC18 (2.6)
0.07	>=0.20	NOP58 (4.7)	POLR1A (3.8)	PTCD3 (3.4)
0.07	>=0.20	APOC1 (2.6)	ENSG00000200241 (2	ARFGAP2 (2.1)
0.07	>=0.20	TRIB1 (2.4)	ENSG00000256746 (2	MAFF (2.0)
0.07	>=0.20	GMIP (3.2)	AFF1 (2.6)	BCL3 (2.5)
0.07	>=0.20	C2orf53 (2.8)	MAU2 (2.7)	TSSK6 (2.4)
0.07	>=0.20	TAGLN (2.4)	NR1H3 (2.3)	KLF14 (2.3)
0.07	>=0.20	CBLC (6.4)	C1orf172 (4.9)	SDC1 (3.8)
0.07	>=0.20	RASIP1 (3.3)	C2orf16 (3.3)	CD300LG (3.0)
0.07	>=0.20	ARID1A (4.6)	PCIF1 (3.5)	BCL3 (2.8)
0.07	>=0.20	LINC00208 (2.7)	LPA (2.5)	TIMD4 (2.3)
0.07	>=0.20	BCL3 (3.0)	PIGV (2.5)	SLC5A6 (2.1)
0.07	>=0.20	SDCBP (3.5)	CHMP3 (3.2)	CTSB (3.1)
0.07	>=0.20	VEGFA (2.9)	KLF14 (2.5)	ABCA1 (2.3)
0.07	>=0.20	FADS2 (5.0)	FADS1 (4.9)	GPAM (4.8)
0.07	>=0.20	FNBP4 (4.3)	LSM12 (2.9)	PPM1G (2.7)
0.07	>=0.20	CITED2 (2.8)	STRC (2.5)	APOA4 (2.4)
0.07	>=0.20	TMEM101 (3.9)	VEGFA (3.1)	TBL2 (2.8)
0.07	>=0.20	GMIP (3.2)	ZDHHC18 (2.8)	BCL3 (2.7)
0.07	>=0.20	SDC1 (5.2)	SFN (4.9)	CYP7A1 (3.1)
0.07	>=0.20	LSM12 (2.8)	IMMT (2.8)	SNX17 (2.6)
0.08	>=0.20	LPL (7.9)	GPAM (4.6)	CD300LG (3.7)
0.08	>=0.20	TRIM54 (3.6)	MYBPC3 (3.2)	BMPR2 (3.1)
0.08	>=0.20	TMED5 (2.9)	NSMAF (2.7)	HGFAC (2.5)
0.08	>=0.20	GMIP (3.3)	CTSB (2.2)	PGS1 (2.2)
0.08	>=0.20	CILP2 (6.1)	SDC1 (4.0)	FAM167A (3.8)
0.08	>=0.20	ENSG00000235545 (3	NR0B2 (3.4)	SLC5A6 (2.9)
0.08	>=0.20	UCN (2.4)	PTPRJ (2.4)	DUSP3 (1.9)
0.08	>=0.20	TIMD4 (4.1)	BLK (3.0)	NFE2L3 (2.6)
0.08	>=0.20	NAT2 (4.3)	APOA4 (3.7)	NAGS (3.6)
0.08	>=0.20	CILP2 (4.3)	FZD9 (3.1)	CSGALNACT1 (3.1)
0.08	>=0.20	FNBP4 (5.1)	USP1 (3.0)	NSMAF (3.0)
0.08	>=0.20	FRMD5 (2.3)	NCAN (2.2)	PTPN13 (2.2)
0.08	>=0.20	TBL2 (3.7)	PPY (3.7)	ACP2 (2.7)
0.08	>=0.20	FDFT1 (5.7)	FADS1 (5.1)	FADS2 (5.0)
0.08	>=0.20	C8orf49 (5.4)	GATA4 (4.0)	APOA1 (3.6)
0.08	>=0.20	EMILIN1 (4.5)	CILP2 (4.4)	TAGLN (3.4)
0.08	>=0.20	C1orf172 (3.4)	TRNP1 (3.0)	PACSIN3 (2.9)
0.08	>=0.20	TAGLN (3.9)	ENSG00000256731 (3	SLC22A3 (2.6)
0.08	>=0.20	JMJD1C (4.1)	AFF1 (2.9)	TRIB1 (2.1)
0.08	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.1)
0.08	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.1)
0.08	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.1)

0.08	>=0.20	BLK (7.5)	GMIP (2.8)	TRIB1 (2.6)
0.08	>=0.20	FNBP4 (4.5)	NOP58 (2.9)	DHX38 (2.9)
0.08	>=0.20	IMMT (2.6)	TMED5 (2.1)	CATSPER2 (1.8)
0.08	>=0.20	BCL3 (3.1)	PGS1 (3.1)	CSGALNACT1 (2.1)
0.08	>=0.20	GATA4 (4.6)	CYP26A1 (3.1)	PTPN13 (2.6)
0.08	>=0.20	RFX4 (3.8)	APOC1 (3.5)	PLTP (3.5)
0.08	>=0.20	ZNF513 (2.3)	PVRL2 (2.3)	NR1H3 (2.1)
0.08	>=0.20	ABCA1 (3.7)	APOC1 (2.6)	LIPC (2.3)
0.08	>=0.20	NOP58 (3.5)	PTCD3 (2.9)	FNBP4 (2.6)
0.08	>=0.20	FNBP4 (4.6)	GTF3C2 (2.9)	DHX38 (2.9)
0.08	>=0.20	KHK (4.7)	APOA4 (4.2)	APOA1 (2.9)
0.08	>=0.20	FNBP4 (4.4)	NOP58 (2.8)	CELF1 (2.8)
0.08	>=0.20	KRTCAP3 (3.7)	C8orf49 (3.0)	DNAJC5G (2.7)
0.08	>=0.20	RBKS (3.8)	C11orf49 (2.9)	HAVCR1 (2.9)
0.08	>=0.20	DDB2 (3.4)	GCKR (3.1)	APOA5 (3.0)
0.08	>=0.20	AGBL2 (3.9)	RFX4 (3.8)	DPYSL5 (3.1)
0.08	>=0.20	FADS1 (4.1)	FADS2 (3.9)	KHK (3.3)
0.08	>=0.20	KHK (4.4)	SLC5A6 (3.4)	TM6SF2 (2.8)
0.08	>=0.20	NDUFS3 (4.2)	MRPL35 (3.2)	MTCH2 (3.1)
0.08	>=0.20	FNDC4 (3.8)	GCKR (3.0)	NR0B2 (2.9)
0.08	>=0.20	DDB2 (3.7)	ENSG00000182319 (2	CSGALNACT1 (2.6)
0.08	>=0.20	CTSB (5.2)	C2orf28 (4.8)	ATP13A1 (3.3)
0.08	>=0.20	CTSB (3.8)	MAFF (3.1)	TIMD4 (3.0)
0.08	>=0.20	FDFT1 (3.4)	APOC3 (3.4)	APOA4 (3.2)
0.08	>=0.20	PDIA3 (4.2)	TBL2 (3.3)	C2orf28 (3.1)
0.08	>=0.20	NRBP1 (3.1)	HDAC5 (3.0)	MAPRE3 (2.9)
0.08	>=0.20	ENSG00000236827 (3	NEIL2 (2.9)	ABHD1 (2.9)
0.08	>=0.20	NOP58 (5.3)	ZNF259 (5.1)	POLR1A (4.3)
0.08	>=0.20	TBL2 (3.2)	SLC5A6 (3.1)	UCN (3.0)
0.08	>=0.20	GATAD2A (2.9)	ABO (2.3)	CD300LG (2.2)
0.08	>=0.20	MAFF (4.8)	TRIB1 (3.8)	C8orf49 (2.6)
0.08	>=0.20	CYP26A1 (5.6)	RSPO3 (4.2)	GATA4 (2.5)
0.08	>=0.20	G6PC3 (4.1)	CTSB (3.0)	SDCBP (2.8)
0.08	>=0.20	ARHGAP1 (4.5)	CLPTM1 (3.6)	GATAD2A (2.6)
0.08	>=0.20	FGF21 (2.4)	CITED2 (2.4)	MAPRE3 (2.4)
0.08	>=0.20	PPY (3.8)	COBLL1 (3.4)	HGFAC (2.4)
0.08	>=0.20	PDIA3 (4.4)	TMEM214 (4.4)	TBL2 (4.3)
0.08	>=0.20	DOCK7 (3.8)	C8orf49 (3.7)	FDFT1 (3.1)
0.08	>=0.20	ENSG00000256731 (2	TRNP1 (2.6)	SLC22A3 (2.5)
0.08	>=0.20	NOP58 (4.7)	POLR1A (3.7)	CAD (3.3)
0.08	>=0.20	FNBP4 (4.3)	NOP58 (2.9)	GTF3C2 (2.9)
0.08	>=0.20	VEGFA (3.1)	CD300LG (2.7)	CETP (2.5)
0.08	>=0.20	GCKR (2.4)	ATG13 (2.4)	ENSG00000182329 (2
0.08	>=0.20	BLK (2.4)	ACP2 (2.3)	ZDHHC18 (2.2)
0.08	>=0.20	NOP58 (5.3)	ZNF259 (4.8)	POLR1A (4.5)
0.08	>=0.20	EMILIN1 (5.3)	TAGLN (4.6)	APOE (2.9)
0.08	>=0.20	FADS1 (3.0)	FADS2 (2.9)	SDC1 (2.3)
0.08	>=0.20	RSPO3 (4.3)	ENSG00000253379 (3	CYP26A1 (3.4)
0.08	>=0.20	CYP26A1 (4.6)	ENSG00000253379 (4	LRP4 (4.1)
0.08	>=0.20	MAPK10 (3.4)	PPY (2.7)	KLF14 (2.5)

0.08	>=0.20	APOA1 (5.9)	F2 (5.7)	APOB (5.4)
0.08	>=0.20	CD300LG (3.2)	GPAM (2.6)	PLA2G6 (2.5)
0.08	>=0.20	CTSB (5.2)	MPV17 (3.7)	C2orf28 (3.3)
0.08	>=0.20	BCL3 (2.7)	MAFF (2.6)	ZDHHC18 (2.4)
0.08	>=0.20	ENSG00000223522 (3	PPY (3.0)	OST4 (2.9)
0.08	>=0.20	FUT2 (3.9)	C1orf172 (2.8)	PYY (2.4)
0.08	>=0.20	NOP58 (4.1)	POLR1A (3.8)	ZNF259 (2.7)
0.08	>=0.20	IMMT (3.9)	CAD (3.0)	ATG4C (2.7)
0.08	>=0.20	HP (3.1)	PTPRJ (2.7)	BCL3 (2.7)
0.08	>=0.20	BNC2 (4.3)	SDC1 (3.0)	TRIB1 (2.9)
0.08	>=0.20	GALNT2 (3.5)	G6PC3 (3.3)	FZD9 (3.2)
0.08	>=0.20	APOC1 (3.8)	LPL (3.7)	NR1H3 (3.4)
0.08	>=0.20	PPY (9.5)	MLXIPL (3.6)	LPL (3.2)
0.08	>=0.20	CD300LG (3.1)	KLF14 (3.0)	RASIP1 (3.0)
0.08	>=0.20	LPAL2 (4.2)	ABO (3.9)	LIPC (3.6)
0.08	>=0.20	ANGPTL3 (4.7)	LIPC (4.0)	NAGS (3.5)
0.08	>=0.20	ZNF335 (2.4)	PCIF1 (2.2)	PBX4 (2.2)
0.08	>=0.20	TMEM101 (4.1)	G6PC3 (3.8)	PTPMT1 (3.3)
0.08	>=0.20	DHX38 (4.1)	ZNF335 (3.7)	ARID1A (3.2)
0.08	>=0.20	FNBP4 (4.5)	DHX38 (3.1)	GTF3C2 (3.0)
0.08	>=0.20	BCAM (3.7)	SLC22A3 (3.4)	SDC1 (3.2)
0.08	>=0.20	ARFGAP2 (3.5)	ATP13A1 (3.2)	IMMT (3.0)
0.08	>=0.20	FNBP4 (3.9)	SIK3 (3.3)	SUGP1 (3.2)
0.08	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (1.9)
0.08	>=0.20	AGBL2 (3.2)	PGS1 (3.2)	UCN (3.0)
0.08	>=0.20	FNBP4 (4.3)	USP1 (2.9)	ZNF512 (2.9)
0.08	>=0.20	TIMD4 (3.2)	SLC22A1 (3.1)	BLK (2.9)
0.08	>=0.20	NOP58 (4.8)	ZNF259 (4.7)	POLR1A (4.5)
0.08	>=0.20	EPB41L3 (2.9)	ENSG00000253379 (2	MAPK10 (2.1)
0.08	>=0.20	ZNF259 (4.9)	NOP58 (4.7)	TOMM40 (4.1)
0.08	>=0.20	BLK (2.9)	APOC4 (2.7)	ZDHHC18 (2.4)
0.08	>=0.20	SFN (4.1)	C1orf172 (2.6)	CHMP3 (2.5)
0.08	>=0.20	BCL3 (2.9)	NRBP1 (2.8)	JMJD1C (2.7)
0.08	>=0.20	PGS1 (3.4)	CD300LG (2.9)	BCL3 (2.8)
0.08	>=0.20	CILP2 (3.8)	COBLL1 (2.5)	FRMD5 (2.4)
0.08	>=0.20	ABHD1 (4.4)	ANGPTL4 (3.3)	PLA2G6 (3.3)
0.08	>=0.20	NAGS (3.6)	ANGPTL3 (3.3)	LIPC (3.1)
0.08	>=0.20	TOMM40 (3.8)	NOP58 (3.5)	ZNF259 (3.4)
0.08	>=0.20	BMPR2 (2.7)	FZD9 (2.1)	RSPO3 (2.0)
0.08	>=0.20	MTCH2 (4.2)	NDUFS3 (4.1)	IMMT (3.3)
0.08	>=0.20	RFX4 (4.2)	FZD9 (3.8)	LRP4 (2.7)
0.09	>=0.20	NOP58 (4.9)	POLR1A (3.9)	ZNF259 (3.8)
0.09	>=0.20	TMEM214 (4.1)	PDIA3 (3.1)	FADS1 (2.9)
0.09	>=0.20	TMEM214 (5.7)	PDIA3 (4.9)	OST4 (4.3)
0.09	>=0.20	BCL3 (4.0)	PGS1 (3.5)	GMIP (2.9)
0.09	>=0.20	CAD (3.6)	NOP58 (3.5)	FNBP4 (3.4)
0.09	>=0.20	SLC22A1 (3.2)	TIMD4 (3.1)	BLK (3.0)
0.09	>=0.20	SDC1 (4.1)	TAGLN (4.1)	COBLL1 (2.9)
0.09	>=0.20	FNBP4 (4.8)	NOP58 (2.8)	GTF3C2 (2.8)
0.09	>=0.20	CYP26A1 (4.6)	RSPO3 (3.0)	PTPN13 (2.4)

0.09	>=0.20	RASIP1 (3.3)	VEGFA (3.1)	PVRL2 (3.1)
0.09	>=0.20	CBLC (5.3)	C1orf172 (5.0)	CMIP (3.7)
0.09	>=0.20	CAD (4.1)	POLR1A (3.5)	TP53BP1 (3.4)
0.09	>=0.20	BCL3 (3.0)	PGS1 (2.6)	CSGALNACT1 (1.9)
0.09	>=0.20	TECTB (3.7)	SFN (2.6)	CGREF1 (2.6)
0.09	>=0.20	CHMP3 (3.2)	TAGLN (2.7)	PCSK7 (2.6)
0.09	>=0.20	NDUFS3 (5.2)	MRPL35 (5.0)	MTCH2 (4.9)
0.09	>=0.20	FNBP4 (3.8)	NOP58 (3.6)	USP1 (3.1)
0.09	>=0.20	CASC4 (2.4)	CTSB (2.3)	PMFBP1 (2.2)
0.09	>=0.20	CBLC (3.3)	KANK2 (3.1)	TAGLN (3.1)
0.09	>=0.20	FNBP4 (4.7)	DHX38 (2.9)	NOP58 (2.7)
0.09	>=0.20	MYBPC3 (5.6)	TRIM54 (5.2)	GATA4 (3.4)
0.09	>=0.20	BCL3 (3.7)	GTF3C2 (3.1)	MAFF (3.1)
0.09	>=0.20	FNBP4 (5.1)	NOP58 (3.4)	ZNF512 (2.8)
0.09	>=0.20	MAFF (6.7)	TRIB1 (6.3)	BCL3 (4.8)
0.09	>=0.20	CILP2 (5.6)	FZD9 (4.3)	KLF14 (3.8)
0.09	>=0.20	IMMT (4.1)	PDIA3 (3.3)	ZNF664 (2.8)
0.09	>=0.20	ENSG00000226645 (3	C2orf16 (3.1)	LINC00208 (2.2)
0.09	>=0.20	ENSG00000226645 (3	C2orf16 (3.1)	LINC00208 (2.2)
0.09	>=0.20	BCL3 (3.4)	PGS1 (2.8)	LINC00208 (2.1)
0.09	>=0.20	HP (7.1)	LIPC (5.1)	APOA5 (4.3)
0.09	>=0.20	NOP58 (5.5)	ZNF259 (4.6)	POLR1A (4.4)
0.09	>=0.20	ENSG00000253379 (3	SFN (2.9)	BNC2 (2.7)
0.09	>=0.20	MAU2 (3.5)	C8orf12 (3.5)	GATAD2A (3.1)
0.09	>=0.20	KHK (3.5)	TM6SF2 (3.3)	CETP (2.9)
0.09	>=0.20	FZD9 (5.8)	CILP2 (5.6)	EMILIN1 (3.9)
0.09	>=0.20	TUBGCP4 (3.1)	DHODH (3.1)	MTMR9 (2.9)
0.09	>=0.20	RBKS (3.2)	CYP7A1 (2.6)	IGF2R (2.5)
0.09	>=0.20	TRIB1 (6.2)	MAFF (5.8)	BCL3 (3.7)
0.09	>=0.20	BCL3 (4.3)	PCIF1 (3.4)	TRIB1 (3.4)
0.09	>=0.20	NOP58 (3.8)	ZNF259 (3.2)	SLC5A6 (3.1)
0.09	>=0.20	FUT1 (3.1)	TM6SF2 (3.0)	KHK (3.0)
0.09	>=0.20	C11orf9 (3.8)	RSPO3 (2.9)	CYP26A1 (2.5)
0.09	>=0.20	BCL3 (3.3)	PGS1 (2.9)	GALNT2 (2.0)
0.09	>=0.20	MYBPC3 (9.1)	TRIM54 (6.1)	GATA4 (4.2)
0.09	>=0.20	PPIP5K1 (3.3)	PYY (3.2)	SFN (2.7)
0.09	>=0.20	IMMT (2.7)	CATSPER2 (2.1)	TMED5 (2.0)
0.09	>=0.20	RFX4 (3.8)	PLTP (3.2)	ENSG00000235545 (2
0.09	>=0.20	C17orf105 (2.9)	STRC (2.8)	IZUMO1 (2.8)
0.09	>=0.20	PPY (4.4)	PYY (3.8)	ENSG00000256746 (2
0.09	>=0.20	BMPR2 (2.9)	ENSG00000182319 (2	GATAD2A (2.2)
0.09	>=0.20	ZNF259 (4.9)	NOP58 (4.8)	POLR1A (4.3)
0.09	>=0.20	RSPO3 (3.2)	CETP (2.5)	RASIP1 (2.3)
0.09	>=0.20	CITED2 (3.3)	MAPRE3 (2.8)	TRIB1 (2.6)
0.09	>=0.20	KDM3A (4.4)	VEGFA (4.4)	KHK (3.7)
0.09	>=0.20	BLK (3.6)	PBX4 (2.6)	KLF14 (2.2)
0.09	>=0.20	PPY (6.1)	CILP2 (3.0)	CD300LG (2.9)
0.09	>=0.20	CTSB (2.5)	DHODH (2.4)	CATSPER2 (2.4)
0.09	>=0.20	EMILIN1 (4.5)	CGREF1 (3.4)	LPL (3.2)
0.09	>=0.20	FUT1 (5.1)	C1orf172 (4.7)	SFN (4.3)

0.09	>=0.20	CYP7A1 (3.4)	KHK (3.3)	TM6SF2 (3.2)
0.09	>=0.20	PREB (4.7)	ZNF513 (3.7)	PCSK7 (3.5)
0.09	>=0.20	BCL3 (3.8)	PGS1 (3.7)	MAFF (3.4)
0.09	>=0.20	FNBP4 (3.8)	BAZ1B (2.9)	ATG4C (2.9)
0.09	>=0.20	GTF3C2 (3.2)	SIK3 (3.1)	BAZ1B (3.1)
0.09	>=0.20	LRP4 (3.7)	HAVCR1 (2.9)	SIDT2 (2.5)
0.09	>=0.20	TRIB1 (7.5)	MAFF (5.6)	CITED2 (5.2)
0.09	>=0.20	TAGLN (4.8)	EMILIN1 (4.3)	APOE (3.8)
0.09	>=0.20	TMEM175 (4.9)	TMEM101 (4.1)	BRE (3.3)
0.09	>=0.20	CKAP5 (4.8)	FEN1 (3.6)	USP1 (3.3)
0.09	>=0.20	TAGLN (6.1)	EMILIN1 (4.8)	PLTP (3.0)
0.09	>=0.20	PGS1 (4.7)	BCL3 (4.5)	PTPRJ (3.7)
0.09	>=0.20	LPL (2.5)	NR1H3 (2.2)	CGREF1 (2.2)
0.09	>=0.20	FNBP4 (4.0)	SUGP1 (3.4)	PCIF1 (3.4)
0.09	>=0.20	BCL3 (2.9)	PGS1 (2.7)	CSGALNACT1 (2.1)
0.09	>=0.20	ENSG00000235545 (3	FDFT1 (2.4)	ANGPTL4 (2.3)
0.09	>=0.20	PDIA3 (5.4)	IMMT (4.2)	PPM1G (3.1)
0.09	>=0.20	LPA (5.1)	LPAL2 (3.5)	SLC22A1 (3.3)
0.09	>=0.20	PTPN13 (2.7)	TDH (2.4)	RSPO3 (2.2)
0.09	>=0.20	TMEM175 (4.3)	G6PC3 (4.2)	PLA2G6 (3.5)
0.09	>=0.20	POLR1A (3.8)	ARFGAP2 (3.0)	SLC22A3 (2.7)
0.09	>=0.20	FZD9 (3.5)	SDC1 (3.5)	PYY (2.8)
0.09	>=0.20	C2orf28 (3.1)	CLPTM1 (2.9)	ACP2 (2.9)
0.09	>=0.20	AFF1 (2.6)	CMIP (2.2)	GALNT2 (2.1)
0.09	>=0.20	FNBP4 (3.5)	NOP58 (3.2)	PPM1G (3.1)
0.09	>=0.20	PAFAH1B2 (2.7)	FUT2 (2.7)	TRNP1 (2.6)
0.09	>=0.20	FNBP4 (4.4)	DHX38 (3.2)	NOP58 (2.8)
0.09	>=0.20	C2orf16 (2.9)	CYP7A1 (2.4)	LPA (2.1)
0.09	>=0.20	TAGLN (3.2)	SLC22A3 (2.5)	APOE (2.3)
0.09	>=0.20	CILP2 (5.3)	FZD9 (3.2)	SDC1 (3.2)
0.09	>=0.20	POLR1A (3.8)	CAD (3.5)	IGF2R (3.2)
0.09	>=0.20	ZNF512 (3.1)	ZNF664 (3.0)	SFN (3.0)
0.09	>=0.20	FNBP4 (4.3)	NOP58 (2.9)	DHX38 (2.8)
0.09	>=0.20	SFN (5.7)	C1orf172 (4.2)	C11orf9 (2.9)
0.09	>=0.20	POLR1A (5.1)	NOP58 (4.1)	CAD (3.8)
0.09	>=0.20	BCL3 (3.0)	PGS1 (2.9)	CSGALNACT1 (2.0)
0.09	>=0.20	PPY (2.7)	PYY (2.7)	KLF14 (2.2)
0.09	>=0.20	COBLL1 (3.1)	FNDC4 (2.4)	FGF21 (2.1)
0.09	>=0.20	CYP7A1 (4.1)	SLC22A1 (3.7)	ENSG00000254235 (3
0.09	>=0.20	LINC00208 (3.3)	ENSG00000223522 (3	CSGALNACT1 (3.0)
0.09	>=0.20	TM6SF2 (4.7)	APOA4 (4.0)	CGREF1 (3.5)
0.1	>=0.20	NAGS (3.4)	SFN (2.8)	KDM3A (2.6)
0.1	>=0.20	MAFF (3.3)	KLF14 (3.1)	DUSP3 (2.6)
0.1	>=0.20	APOA4 (3.3)	TM6SF2 (3.3)	NAT2 (2.4)
0.1	>=0.20	TRIB1 (3.6)	ARID1A (3.4)	CITED2 (3.2)
0.1	>=0.20	RSPO3 (2.8)	ANGPTL4 (2.8)	MAFF (2.8)
0.1	>=0.20	ARID1A (3.4)	FNBP4 (3.2)	TP53BP1 (3.1)
0.1	>=0.20	TBL2 (3.1)	ATP13A1 (2.4)	C8orf49 (2.3)
0.1	>=0.20	NOP58 (2.6)	ARFGAP2 (2.3)	PPM1G (2.2)
0.1	>=0.20	AMBRA1 (4.1)	ARID1A (3.6)	ARFGAP2 (3.2)

0.1	>=0.20	BCL3 (3.7)	NFE2L3 (3.1)	PTPRJ (2.8)
0.1	>=0.20	DPYSL5 (2.9)	MAP1A (2.6)	REEP3 (2.3)
0.1	>=0.20	TRIM54 (5.8)	PACSIN3 (4.4)	MYBPC3 (3.6)
0.1	>=0.20	CLPTM1 (3.5)	AMBRA1 (3.3)	FADS1 (3.3)
0.1	>=0.20	CLPTM1 (3.5)	AMBRA1 (3.3)	FADS1 (3.3)
0.1	>=0.20	ANGPTL4 (3.7)	VEGFA (3.3)	DOCK6 (3.1)
0.1	>=0.20	BCAM (3.8)	CYP26A1 (2.9)	RFX4 (2.6)
0.1	>=0.20	CTSB (3.2)	GMIP (3.0)	CSGALNACT1 (2.9)
0.1	>=0.20	C11orf9 (3.2)	KHK (2.9)	BCAM (2.9)
0.1	>=0.20	GPAM (4.3)	FDFT1 (3.9)	PLA2G6 (3.4)
0.1	>=0.20	GPAM (4.3)	FDFT1 (3.9)	PLA2G6 (3.4)
0.1	>=0.20	RASIP1 (3.4)	APOE (2.9)	LRP4 (2.6)
0.1	>=0.20	NAT2 (7.0)	LPA (6.6)	SLC22A1 (6.5)
0.1	>=0.20	PPY (5.5)	PYY (3.8)	PTPN13 (3.4)
0.1	>=0.20	GMIP (3.0)	BCL3 (2.9)	CTSB (2.4)
0.1	>=0.20	FUT2 (4.3)	C1orf172 (2.5)	ENSG00000223745 (2
0.1	>=0.20	SFN (3.4)	SDC1 (3.0)	PTPN13 (3.0)
0.1	>=0.20	ENSG00000254235 (4	SLC22A1 (3.6)	HGFAC (3.4)
0.1	>=0.20	BLK (5.9)	TIMD4 (3.7)	ABCA1 (3.4)
0.1	>=0.20	G6PC3 (4.0)	TMEM175 (3.7)	ENSG00000223745 (3
0.1	>=0.20	FNBP4 (5.0)	GTF3C2 (3.2)	NOP58 (2.9)
0.1	>=0.20	CYP26A1 (4.2)	LRP4 (4.0)	SDC1 (3.5)
0.1	>=0.20	ENSG00000182319 (3	PCSK7 (3.1)	ARHGAP1 (3.0)
0.1	>=0.20	CTSB (4.0)	BCAM (3.9)	SDCBP (3.3)
0.1	>=0.20	CCDC121 (3.5)	PTPN13 (3.0)	LRP4 (2.8)
0.1	>=0.20	FNBP4 (3.1)	ENSG00000223522 (3	ENSG00000200241 (3
0.1	>=0.20	BNC2 (3.3)	IZUMO1 (2.7)	NAT2 (2.5)
0.1	>=0.20	DHODH (4.2)	ZNF259 (3.8)	POLR1A (3.6)
0.1	>=0.20	ANGPTL3 (3.4)	MAMSTR (2.8)	SDC1 (2.8)
0.1	>=0.20	C2orf28 (3.2)	NR1H3 (2.4)	BRE (2.3)
0.1	>=0.20	SOST (4.2)	PPY (4.1)	CGREF1 (3.6)
0.1	>=0.20	AFF1 (2.7)	MPP3 (2.5)	ENSG00000257711 (2
0.1	>=0.20	FNBP4 (4.5)	NUP160 (3.4)	GTF3C2 (3.3)
0.1	>=0.20	BCL3 (3.8)	BLK (3.2)	GMIP (2.9)
0.1	>=0.20	MAFF (2.8)	VEGFA (2.7)	PAFAH1B2 (2.4)
0.1	>=0.20	ENSG00000223745 (3	APOE (2.9)	ACP2 (2.4)
0.1	>=0.20	ENSG00000253379 (3	PYY (2.8)	PPY (2.3)
0.1	>=0.20	ZNF335 (3.3)	NRBP1 (2.9)	CCDC92 (2.6)
0.1	>=0.20	TMEM214 (4.6)	TMEM101 (4.2)	TBL2 (4.0)
0.1	>=0.20	ENSG00000256746 (3	KDM3A (2.5)	ENSG00000200241 (2
0.1	>=0.20	DHX38 (4.0)	PCIF1 (3.7)	GTF3C2 (3.5)
0.1	>=0.20	PGS1 (3.0)	BCL3 (3.0)	CSGALNACT1 (2.1)
0.1	>=0.20	BCL3 (2.5)	FADS1 (2.5)	TRIB1 (2.3)
0.1	>=0.20	FNBP4 (4.5)	DHX38 (3.6)	BUD13 (3.6)
0.1	>=0.20	ENSG00000257711 (2	BCL3 (2.3)	NFE2L3 (2.3)
0.1	>=0.20	FNBP4 (4.7)	PCIF1 (3.0)	ZNF512 (2.9)
0.1	>=0.20	BLK (9.3)	GMIP (3.9)	AFF1 (2.7)
0.1	>=0.20	MYBPC3 (4.1)	TAGLN (3.8)	BCAM (3.4)
0.1	>=0.20	JMJD1C (2.4)	AGBL5 (2.2)	CSGALNACT1 (2.2)
0.1	>=0.20	DOCK6 (3.3)	FUT2 (2.8)	EMILIN1 (2.3)

0.1	>=0.20	DOCK6 (3.3)	FUT2 (2.8)	EMILIN1 (2.3)
0.1	>=0.20	HAPLN4 (3.2)	PPY (2.7)	DPYSL5 (2.7)
0.1	>=0.20	FNBP4 (4.8)	GTF3C2 (3.1)	NOP58 (2.9)
0.1	>=0.20	BLK (5.7)	ZDHHC18 (3.8)	CLPTM1 (3.5)
0.1	>=0.20	TRIB1 (7.7)	MAFF (6.9)	CITED2 (4.6)
0.1	>=0.20	ABHD1 (3.8)	ANGPTL4 (3.1)	NR0B2 (2.6)
0.1	>=0.20	SDC1 (3.2)	ATG4C (2.9)	CD300LG (2.8)
0.1	>=0.20	MTF2 (3.4)	FNBP4 (3.2)	ZNF512 (2.8)
0.1	>=0.20	ABHD1 (2.5)	TXNL4B (2.4)	SOST (2.2)
0.1	>=0.20	ATP13A1 (3.7)	CTSB (3.6)	CLPTM1 (3.3)
0.1	>=0.20	CTSB (2.5)	SLC22A1 (2.3)	KLF14 (2.2)
0.1	>=0.20	NAT2 (3.2)	ENSG00000223745 (2	ENSG00000223522 (2
0.1	>=0.20	SFN (4.3)	CBLC (3.8)	ABCA1 (3.2)
0.1	>=0.20	FNBP4 (4.4)	BUD13 (2.8)	GTF3C2 (2.7)
0.1	>=0.20	HGFAC (2.7)	C1orf172 (2.4)	C2orf28 (2.3)
0.1	>=0.20	APOA4 (3.7)	TM6SF2 (2.8)	TRIM54 (2.5)
0.1	>=0.20	CYP7A1 (5.4)	LPA (4.6)	NAT2 (4.5)
0.1	>=0.20	NSMAF (3.2)	SDCBP (3.0)	OST4 (2.3)
0.1	>=0.20	KDM3A (3.4)	GMIP (3.0)	BLK (3.0)
0.1	>=0.20	DPYSL5 (3.2)	RFX4 (3.0)	CYP26A1 (2.9)
0.1	>=0.20	FNBP4 (4.7)	ZNF512 (2.9)	NOP58 (2.6)
0.1	>=0.20	ENSG00000235545 (2	TECTB (1.9)	PGS1 (1.8)
0.1	>=0.20	JMJD1C (4.1)	MAFF (3.8)	BCL7B (3.0)
0.1	>=0.20	PDIA3 (4.9)	PREB (4.6)	ATG13 (4.0)
0.1	>=0.20	BLK (7.1)	GMIP (4.1)	PTPRJ (3.0)
0.1	>=0.20	PPY (7.1)	ANGPTL4 (3.4)	MPV17 (3.0)
0.1	>=0.20	PVRL2 (3.3)	PREB (2.5)	BCAM (2.5)
0.1	>=0.20	REEP3 (3.4)	CTSB (2.8)	KRTCAP3 (2.8)
0.1	>=0.20	RASIP1 (3.7)	CD300LG (3.6)	ANGPTL4 (3.0)
0.1	>=0.20	CILP2 (3.3)	ENSG00000253379 (3	FZD9 (2.7)
0.1	>=0.20	BLK (3.8)	GMIP (3.5)	ZDHHC18 (2.8)
0.1	>=0.20	ENSG00000256731 (3	TDH (3.3)	ENSG00000257711 (3
0.1	>=0.20	TIMD4 (4.7)	BLK (3.9)	KLF14 (3.3)
0.1	>=0.20	SNX17 (3.2)	SFN (3.2)	NRBP1 (3.1)
0.1	>=0.20	G6PC3 (5.7)	TMEM175 (4.7)	PIGV (4.5)
0.1	>=0.20	IMMT (2.7)	TMED5 (2.1)	CATSPER2 (1.7)
0.1	>=0.20	CYP7A1 (5.4)	LPA (4.6)	NAT2 (4.5)
0.1	>=0.20	CYP7A1 (5.4)	LPA (4.6)	NAT2 (4.5)
0.1	>=0.20	ATP13A1 (3.2)	ARFGAP2 (3.2)	MRPL35 (3.1)
0.1	>=0.20	CTSB (2.9)	APOC1 (2.8)	FUT2 (2.8)
0.1	>=0.20	FNBP4 (3.9)	DHX38 (3.9)	SUGP1 (3.5)
0.1	>=0.20	KDM3A (3.2)	HARBI1 (2.4)	NSMAF (2.3)
0.1	>=0.20	KDM3A (3.2)	HARBI1 (2.4)	NSMAF (2.3)
0.1	>=0.20	ENSG00000257711 (3	HARBI1 (3.1)	ENSG00000236267 (3
0.1	>=0.20	CETP (3.7)	GMIP (3.0)	BCL3 (2.5)
0.11	>=0.20	ANGPTL4 (4.2)	CTSB (3.6)	LPL (3.4)
0.11	>=0.20	SDC1 (3.9)	FZD9 (3.4)	SOST (3.2)
0.11	>=0.20	FADS1 (4.2)	FADS2 (3.9)	FDFT1 (3.4)
0.11	>=0.20	FNBP4 (4.4)	ZNF512 (2.8)	NOP58 (2.7)
0.11	>=0.20	FNBP4 (4.4)	ZNF512 (2.8)	NOP58 (2.7)

0.11	>=0.20	CLPTM1 (3.4)	NRBP1 (2.8)	ENSG00000226645 (2
0.11	>=0.20	APOA4 (3.3)	KHK (3.2)	ACP2 (3.0)
0.11	>=0.20	BLK (4.8)	NR1H3 (3.5)	TIMD4 (3.3)
0.11	>=0.20	GMIP (4.0)	NR1H3 (2.4)	SLC22A3 (2.3)
0.11	>=0.20	FADS1 (8.9)	FDFT1 (8.7)	FADS2 (8.2)
0.11	>=0.20	CTSB (3.7)	RASIP1 (3.1)	TECTB (2.9)
0.11	>=0.20	BLK (8.8)	GMIP (4.3)	TIMD4 (2.4)
0.11	>=0.20	SFN (3.6)	ENSG00000254235 (3	ENSG00000236267 (2
0.11	>=0.20	NOP58 (5.9)	ZNF259 (4.3)	TOMM40 (4.2)
0.11	>=0.20	NFE2L3 (3.0)	SIK3 (2.1)	C2orf16 (2.1)
0.11	>=0.20	LINC00208 (3.6)	NFE2L3 (2.6)	ENSG00000226645 (2
0.11	>=0.20	CTSB (2.7)	KDM3A (2.5)	TIMD4 (2.4)
0.11	>=0.20	FNBP4 (4.9)	NOP58 (3.3)	DHX38 (3.0)
0.11	>=0.20	BMPR2 (5.3)	GATA4 (3.5)	PVRL2 (3.2)
0.11	>=0.20	RFX4 (3.3)	FGF21 (3.2)	ENSG00000236267 (2
0.11	>=0.20	ARHGAP1 (3.4)	FDFT1 (2.8)	CLPTM1 (2.8)
0.11	>=0.20	VEGFA (2.5)	SIK3 (2.5)	ZNF513 (2.3)
0.11	>=0.20	ANGPTL3 (2.7)	PTPMT1 (2.1)	PPY (2.1)
0.11	>=0.20	CCDC121 (3.6)	TDH (2.7)	DNAJC5G (2.5)
0.11	>=0.20	ENSG00000236267 (2	CD300LG (2.8)	CMIP (2.5)
0.11	>=0.20	GATA4 (2.9)	PTPRJ (2.7)	ARID1A (2.5)
0.11	>=0.20	TECTB (7.8)	FZD9 (3.6)	LRP4 (3.2)
0.11	>=0.20	MTF2 (3.1)	BAZ1B (2.9)	USP1 (2.7)
0.11	>=0.20	ZNF259 (3.8)	DHODH (3.5)	TOMM40 (2.7)
0.11	>=0.20	NDUFS3 (5.4)	MRPL35 (5.0)	MTCH2 (4.9)
0.11	>=0.20	TIMD4 (4.6)	CETP (3.9)	ABCA1 (3.2)
0.11	>=0.20	KRTCAP3 (2.5)	TDH (2.4)	NAGS (2.4)
0.11	>=0.20	CYP7A1 (5.8)	LPAL2 (5.2)	LPA (4.5)
0.11	>=0.20	LSM12 (3.5)	IMMT (3.5)	PTCD3 (3.3)
0.11	>=0.20	C8orf49 (3.5)	BMPR2 (2.8)	RSPO3 (2.7)
0.11	>=0.20	ENSG00000253379 (4	RSPO3 (3.7)	EMILIN1 (3.3)
0.11	>=0.20	TSSK6 (2.0)	SLC22A3 (1.8)	TMEM101 (1.8)
0.11	>=0.20	TSSK6 (2.0)	SLC22A3 (1.8)	TMEM101 (1.8)
0.11	>=0.20	VEGFA (3.9)	IMMT (3.8)	KDM3A (3.7)
0.11	>=0.20	PDIA3 (5.1)	G6PC3 (5.0)	TMEM101 (4.6)
0.11	>=0.20	TRIB1 (9.5)	MAFF (5.7)	CITED2 (3.6)
0.11	>=0.20	PPY (3.6)	PYY (2.6)	MAPK10 (2.1)
0.11	>=0.20	PIGV (2.9)	PTPN13 (2.8)	FUT2 (2.6)
0.11	>=0.20	APOA4 (4.1)	PMFBP1 (3.5)	SLC30A3 (2.9)
0.11	>=0.20	DPYSL5 (3.8)	CYP26A1 (3.6)	LSM12 (2.7)
0.11	>=0.20	FNBP4 (4.4)	INTS10 (3.5)	ZNF512 (3.2)
0.11	>=0.20	FADS1 (4.0)	ENSG00000257711 (3	DNAJC5G (2.7)
0.11	>=0.20	PPY (9.1)	MLXIPL (4.2)	CD300LG (3.0)
0.11	>=0.20	TM6SF2 (3.2)	SLC22A1 (3.1)	GCKR (2.9)
0.11	>=0.20	MAFF (4.8)	VEGFA (4.0)	TRIB1 (3.5)
0.11	>=0.20	C2orf16 (2.9)	EPB41L3 (2.5)	PGS1 (2.3)
0.11	>=0.20	GMIP (3.3)	NRBP1 (2.4)	NSMAF (2.4)
0.11	>=0.20	CMIP (3.5)	UCN (2.8)	BMPR2 (2.5)
0.11	>=0.20	DPYSL5 (3.0)	CETP (2.4)	SUMO1 (2.2)
0.11	>=0.20	PPY (4.3)	PYY (4.1)	OST4 (3.9)

0.11 >=0.20	BLK (3.4)	SNX17 (3.3)	MTF2 (3.0)
0.11 >=0.20	BLK (4.0)	SLC22A3 (3.2)	GMIP (2.5)
0.11 >=0.20	MTCH2 (4.3)	IMMT (4.1)	EIF2B4 (3.1)
0.11 >=0.20	TIMD4 (4.4)	LPL (3.5)	ABCA1 (2.7)
0.11 >=0.20	NOP58 (4.7)	POLR1A (3.8)	ZNF259 (3.5)
0.11 >=0.20	MAFF (3.1)	C19orf80 (3.0)	SLC22A3 (2.3)
0.11 >=0.20	PDIA3 (4.2)	TMED5 (2.6)	FUT1 (2.4)
0.11 >=0.20	LSM12 (2.9)	CHMP3 (2.5)	APOE (2.5)
0.11 >=0.20	ACP2 (3.5)	C8orf12 (3.3)	RASIP1 (2.9)
0.11 >=0.20	CILP2 (3.5)	JMJD1C (3.0)	REEP3 (2.9)
0.11 >=0.20	DNAH10 (3.9)	ENSG00000234945 (3	SUMO1 (2.7)
0.11 >=0.20	IMMT (6.1)	MTCH2 (4.3)	NDUFS3 (4.2)
0.11 >=0.20	RSPO3 (2.3)	CETP (2.2)	ENSG00000236827 (2
0.11 >=0.20	BLK (5.8)	ZDHHC18 (2.6)	BCL3 (2.6)
0.11 >=0.20	TIMD4 (4.2)	LPL (3.3)	ABCA1 (2.8)
0.11 >=0.20	TIMD4 (4.2)	LPL (3.3)	ABCA1 (2.8)
0.11 >=0.20	NFE2L3 (3.5)	FNBP4 (2.6)	PIGV (2.0)
0.11 >=0.20	BCAM (3.8)	KANK2 (3.0)	IGF2R (2.7)
0.11 >=0.20	LPL (4.2)	KLF14 (4.1)	MLXIPL (4.0)
0.11 >=0.20	PIGV (4.2)	PDIA3 (3.8)	TMED5 (3.1)
0.11 >=0.20	GATAD2A (3.4)	RASIP1 (2.6)	FUT1 (2.4)
0.11 >=0.20	BCAM (4.4)	RASIP1 (3.4)	PLTP (3.2)
0.11 >=0.20	HAPLN4 (2.9)	VEGFA (2.8)	GPAM (2.5)
0.11 >=0.20	FZD9 (3.6)	CILP2 (3.4)	SDC1 (3.2)
0.11 >=0.20	MTCH2 (4.7)	EIF2B4 (4.2)	PREB (3.6)
0.11 >=0.20	ARID1A (4.0)	AMBRA1 (3.4)	BAZ1B (3.1)
0.11 >=0.20	BCAM (4.3)	DDB2 (3.7)	KANK2 (2.8)
0.11 >=0.20	BLK (3.6)	KDM3A (3.2)	MAU2 (3.0)
0.11 >=0.20	MPP2 (3.5)	C1QTNF4 (2.8)	NCAN (2.5)
0.11 >=0.20	ENSG00000200241 (3	NRBF2 (3.3)	PTPRJ (2.8)
0.11 >=0.20	BRE (3.0)	ABHD1 (2.9)	DHODH (2.8)
0.11 >=0.20	PVRL2 (3.4)	DOCK7 (3.3)	KRTCAP3 (3.1)
0.11 >=0.20	AFF1 (3.2)	BCL3 (3.0)	PCIF1 (2.9)
0.11 >=0.20	PYY (7.6)	PPY (6.9)	C8orf49 (3.6)
0.11 >=0.20	SFN (3.2)	TMEM214 (3.2)	PDIA3 (3.0)
0.11 >=0.20	TMEM214 (3.5)	TBL2 (3.4)	SLC22A1 (3.0)
0.11 >=0.20	BCL3 (3.0)	FNBP4 (2.5)	ATP13A1 (2.5)
0.11 >=0.20	CITED2 (3.4)	TRIB1 (2.1)	ANGPTL4 (2.1)
0.11 >=0.20	ENSG00000253379 (4	LRP4 (3.8)	SOST (3.1)
0.11 >=0.20	JMJD1C (4.5)	PMFBP1 (3.7)	IZUMO1 (3.3)
0.11 >=0.20	PGS1 (3.5)	BCL3 (3.1)	CD300LG (2.7)
0.11 >=0.20	ATG13 (2.7)	ABCA1 (2.5)	MAU2 (2.5)
0.11 >=0.20	ZNF259 (5.3)	NOP58 (5.2)	POLR1A (3.9)
0.11 >=0.20	NAT2 (4.1)	KHK (4.0)	ANGPTL3 (3.3)
0.11 >=0.20	KRTCAP3 (3.1)	BMPR2 (2.6)	RASIP1 (2.5)
0.11 >=0.20	HAVCR1 (2.5)	NCAN (2.5)	REEP1 (2.4)
0.11 >=0.20	AMBRA1 (3.4)	CYP26A1 (3.3)	CELF1 (2.6)
0.11 >=0.20	CYP26A1 (3.4)	PTPN13 (3.0)	CCDC121 (2.9)
0.11 >=0.20	FNBP4 (4.4)	ZNF512 (3.1)	GTF3C2 (3.0)
0.11 >=0.20	OST4 (3.4)	C2orf28 (2.7)	NDUFS3 (2.6)

0.12	>=0.20	ABHD1 (3.8)	APOC4 (3.3)	CYP7A1 (3.3)
0.12	>=0.20	ZNF259 (2.8)	NOP58 (2.7)	NEIL2 (2.6)
0.12	>=0.20	FEN1 (2.7)	TOMM40 (2.7)	AGBL5 (2.4)
0.12	>=0.20	KDM3A (6.1)	VEGFA (4.6)	TBL2 (4.1)
0.12	>=0.20	ANGPTL3 (3.8)	APOA5 (3.7)	SLC22A1 (3.0)
0.12	>=0.20	BLK (3.3)	TIMD4 (3.0)	CSGALNACT1 (3.0)
0.12	>=0.20	GALNT2 (3.2)	GATAD2A (3.1)	PTPRJ (2.8)
0.12	>=0.20	GATA4 (3.4)	FGF21 (3.2)	GCKR (2.7)
0.12	>=0.20	CYP26A1 (3.8)	CILP2 (3.1)	SOST (2.9)
0.12	>=0.20	FNBP4 (3.5)	ARID1A (3.2)	TP53BP1 (3.1)
0.12	>=0.20	DDB2 (5.1)	BLK (2.5)	TRIB1 (2.4)
0.12	>=0.20	PPY (3.9)	KRTCAP3 (3.1)	KANK2 (2.7)
0.12	>=0.20	MAFF (2.9)	TRIB1 (2.8)	NRBF2 (2.2)
0.12	>=0.20	PTPRJ (3.3)	CD300LG (3.1)	DOCK7 (3.0)
0.12	>=0.20	ENSG00000182319 (2	BMPR2 (2.7)	SDCBP (2.3)
0.12	>=0.20	CBLC (4.8)	C1orf172 (4.4)	SFN (3.3)
0.12	>=0.20	MAFF (5.5)	TRIB1 (4.7)	CITED2 (4.1)
0.12	>=0.20	BMPR2 (3.3)	LINC00208 (2.7)	NCAN (2.5)
0.12	>=0.20	BLK (3.3)	PBX4 (2.6)	AFF1 (2.3)
0.12	>=0.20	EMILIN1 (5.0)	CILP2 (4.9)	TAGLN (3.8)
0.12	>=0.20	FDFT1 (5.7)	FADS2 (5.4)	FADS1 (4.9)
0.12	>=0.20	BMPR2 (4.5)	GATA4 (3.2)	LPL (2.5)
0.12	>=0.20	BMPR2 (3.6)	KANK2 (3.4)	ENSG00000226645 (2
0.12	>=0.20	ATP13A1 (3.6)	IMMT (3.5)	MRPL35 (2.9)
0.12	>=0.20	MYBPC3 (7.1)	GATA4 (5.9)	C8orf49 (5.1)
0.12	>=0.20	NDUFS3 (5.9)	MTCH2 (5.0)	MRPL35 (4.8)
0.12	>=0.20	ANGPTL3 (2.9)	F2 (2.6)	HP (2.5)
0.12	>=0.20	FZD9 (3.6)	RSPO3 (3.3)	PTPN13 (2.7)
0.12	>=0.20	SLC5A6 (3.2)	INTS10 (3.1)	ZNF335 (2.9)
0.12	>=0.20	BLK (7.3)	GMIP (4.0)	CETP (2.9)
0.12	>=0.20	FZD9 (4.4)	ANGPTL4 (3.8)	CSGALNACT1 (3.1)
0.12	>=0.20	ENSG00000253379 (3	CYP26A1 (3.2)	DPYSL5 (2.8)
0.12	>=0.20	HP (3.0)	PLTP (3.0)	IZUMO1 (2.6)
0.12	>=0.20	TECTB (6.2)	FZD9 (4.4)	FUT2 (3.8)
0.12	>=0.20	ENSG00000234945 (4	C17orf105 (3.0)	NEIL2 (2.8)
0.12	>=0.20	CYP7A1 (3.2)	HAPLN4 (2.8)	NCAN (2.8)
0.12	>=0.20	APOA4 (4.3)	APOC3 (3.8)	C11orf9 (3.6)
0.12	>=0.20	FNBP4 (4.7)	CELF1 (3.0)	DHX38 (2.9)
0.12	>=0.20	FUT2 (3.5)	PGS1 (3.3)	NSMAF (3.0)
0.12	>=0.20	C1orf172 (5.9)	CBLC (5.3)	KRTCAP3 (3.8)
0.12	>=0.20	ARID1A (3.6)	JMJD1C (3.0)	MTF2 (2.8)
0.12	>=0.20	FNBP4 (4.4)	NUP160 (3.5)	INTS10 (3.1)
0.12	>=0.20	TAGLN (3.9)	ENSG00000223522 (3	KANK2 (2.9)
0.12	>=0.20	NUP160 (4.0)	CAD (3.8)	CELF1 (3.4)
0.12	>=0.20	APOA4 (3.1)	TM6SF2 (3.0)	NR0B2 (2.9)
0.12	>=0.20	ZNF408 (3.9)	PCIF1 (3.4)	SUGP1 (3.2)
0.12	>=0.20	AFF1 (2.5)	BCL3 (2.5)	ARID1A (1.9)
0.12	>=0.20	ACP2 (2.8)	CELF1 (2.7)	CYP26A1 (2.6)
0.12	>=0.20	FNBP4 (4.6)	PPM1G (3.5)	ZNF513 (3.1)
0.12	>=0.20	ENSG00000182319 (3	NR1H3 (2.7)	CD300LG (2.7)

0.12	>=0.20	FZD9 (3.6)	RFX4 (3.5)	EMILIN1 (3.2)
0.12	>=0.20	GATA4 (4.1)	C8orf49 (3.7)	CITED2 (3.1)
0.12	>=0.20	GCKR (3.1)	APOA5 (2.3)	LPA (2.3)
0.12	>=0.20	IMMT (2.5)	CATSPER2 (2.1)	TMED5 (1.9)
0.12	>=0.20	NOP58 (4.5)	POLR1A (4.4)	ZNF259 (4.3)
0.12	>=0.20	KHK (3.6)	DHODH (3.3)	FADS2 (2.8)
0.12	>=0.20	CILP2 (5.6)	KLF14 (4.2)	FZD9 (3.5)
0.12	>=0.20	FNBP4 (3.5)	BUD13 (3.1)	NOP58 (3.1)
0.12	>=0.20	MTF2 (2.4)	CASC4 (2.2)	RFX4 (2.2)
0.12	>=0.20	FZD9 (3.6)	RSPO3 (3.3)	MAMSTR (3.2)
0.12	>=0.20	COBLL1 (3.8)	BNC2 (2.8)	DOCK7 (2.7)
0.12	>=0.20	C8orf49 (3.2)	ENSG00000179523 (2	ZNF513 (2.6)
0.12	>=0.20	EPB41L3 (3.2)	CETP (2.6)	ANGPTL4 (2.5)
0.12	>=0.20	BCL3 (3.2)	PGS1 (2.9)	CSGALNACT1 (2.0)
0.12	>=0.20	CBLC (6.9)	C1orf172 (6.5)	KRTCAP3 (3.8)
0.12	>=0.20	ENSG00000234945 (3	BCL7B (2.7)	C2orf53 (2.2)
0.12	>=0.20	HP (4.2)	BCL3 (2.8)	SFN (2.4)
0.12	>=0.20	CILP2 (10.9)	FZD9 (4.9)	CSGALNACT1 (3.4)
0.12	>=0.20	ATG4C (3.1)	ENSG00000254235 (2	CYP7A1 (2.8)
0.12	>=0.20	APOC4 (3.8)	FDFT1 (3.1)	MLXIPL (2.9)
0.12	>=0.20	DDB2 (3.3)	SUPT7L (2.9)	FUT1 (2.8)
0.12	>=0.20	C1orf172 (6.3)	CBLC (6.1)	SFN (4.6)
0.12	>=0.20	SLC30A3 (3.0)	REEP1 (2.8)	CITED2 (2.4)
0.12	>=0.20	POLR1A (4.2)	NOP58 (4.2)	ZNF259 (2.5)
0.12	>=0.20	POLR1A (4.2)	NOP58 (4.2)	ZNF259 (2.5)
0.12	>=0.20	ARID1A (4.1)	PCIF1 (3.4)	UBXN2B (3.1)
0.12	>=0.20	MYBPC3 (6.6)	GATA4 (5.0)	EPB41L3 (2.2)
0.12	>=0.20	MYBPC3 (4.8)	TRIM54 (3.4)	ARHGAP1 (2.9)
0.12	>=0.20	IMMT (4.0)	PDIA3 (3.2)	ZNF664 (2.8)
0.12	>=0.20	BNC2 (4.5)	RSPO3 (4.1)	PYY (3.0)
0.12	>=0.20	TMEM101 (3.7)	TMEM175 (3.2)	GALNT2 (3.0)
0.12	>=0.20	PDIA3 (4.4)	IGF2R (3.9)	VEGFA (3.8)
0.12	>=0.20	CMIP (3.1)	GATAD2A (3.0)	PTPRJ (2.5)
0.12	>=0.20	ENSG00000257711 (2	RBKS (2.2)	LINC00208 (2.1)
0.12	>=0.20	LINC00208 (3.3)	C2orf16 (2.5)	SIK3 (2.3)
0.12	>=0.20	PIGV (3.3)	TBL2 (3.2)	C2orf28 (3.1)
0.12	>=0.20	NDUFS3 (4.0)	IMMT (4.0)	MTCH2 (3.8)
0.12	>=0.20	AFF1 (2.5)	NSMAF (2.3)	ENSG00000182329 (2
0.12	>=0.20	PTPN13 (4.1)	CYP26A1 (3.2)	DPYSL5 (2.9)
0.12	>=0.20	ATG4C (2.9)	CD300LG (2.8)	FADS2 (2.3)
0.12	>=0.20	FNBP4 (4.3)	NOP58 (2.9)	GTF3C2 (2.8)
0.12	>=0.20	ENSG00000256731 (2	SLC22A3 (2.8)	ANGPTL4 (2.6)
0.12	>=0.20	CYP7A1 (3.0)	C19orf80 (2.9)	UBXN2B (2.9)
0.12	>=0.20	MAFF (2.7)	PGS1 (2.4)	ABCA1 (2.3)
0.12	>=0.20	SIK3 (2.9)	C11orf9 (2.9)	AFF1 (2.8)
0.12	>=0.20	ANGPTL3 (3.9)	NAGS (3.8)	LIPC (3.7)
0.12	>=0.20	SOST (3.6)	KDM3A (3.0)	JMJD1C (2.7)
0.12	>=0.20	AMBRA1 (4.4)	AFF1 (3.1)	AGBL5 (2.9)
0.12	>=0.20	FNBP4 (4.0)	SUGP1 (3.7)	DHX38 (3.3)
0.13	>=0.20	C8orf49 (4.6)	SFN (2.8)	ZNF664 (2.7)

0.13	>=0.20	CAD (4.7)	TMEM214 (4.2)	PTCD3 (4.2)
0.13	>=0.20	CYP26A1 (4.6)	SFN (3.3)	APOE (2.9)
0.13	>=0.20	TIMD4 (3.4)	LINC00208 (2.9)	BLK (2.9)
0.13	>=0.20	C1orf172 (5.1)	CBLC (4.7)	COBLL1 (3.4)
0.13	>=0.20	PIGV (5.6)	KBTBD4 (3.8)	C2orf28 (3.7)
0.13	>=0.20	PPY (5.4)	PYY (4.2)	ENSG00000257711 (3
0.13	>=0.20	BCL3 (2.4)	GTF3C2 (2.2)	BMPR2 (2.1)
0.13	>=0.20	SOST (4.6)	CILP2 (4.6)	FZD9 (3.2)
0.13	>=0.20	DDB2 (3.6)	CD300LG (1.8)	PGS1 (1.8)
0.13	>=0.20	NDUFS3 (5.9)	MTCH2 (5.1)	MRPL35 (4.8)
0.13	>=0.20	CELF1 (3.4)	BUD13 (3.3)	BCL7B (2.9)
0.13	>=0.20	CBLC (6.5)	C1orf172 (6.1)	KRTCAP3 (4.0)
0.13	>=0.20	DHODH (4.2)	CAD (3.0)	TUBGCP4 (2.9)
0.13	>=0.20	ENSG00000222035 (2	CYP7A1 (2.5)	MAMSTR (2.4)
0.13	>=0.20	FADS1 (3.2)	FDFT1 (3.1)	IGF2R (2.9)
0.13	>=0.20	RASIP1 (3.4)	MYBPC3 (3.4)	RSPO3 (2.6)
0.13	>=0.20	CBLC (4.7)	C1orf172 (3.8)	MLXIPL (2.8)
0.13	>=0.20	MTF2 (2.9)	APOE (2.9)	AFF1 (2.7)
0.13	>=0.20	CBLC (5.1)	C1orf172 (4.9)	LPAR2 (3.5)
0.13	>=0.20	PPY (4.5)	PYY (3.4)	MLXIPL (2.6)
0.13	>=0.20	LPAL2 (3.7)	LIPC (3.7)	ANGPTL3 (3.1)
0.13	>=0.20	FUT2 (2.5)	GALNT2 (2.4)	TMED5 (2.1)
0.13	>=0.20	FNBP4 (3.8)	IMMT (2.9)	NOP58 (2.7)
0.13	>=0.20	BCAM (4.6)	EMILIN1 (3.1)	KHK (2.7)
0.13	>=0.20	TAGLN (3.6)	SFN (3.4)	ENSG00000182319 (3
0.13	>=0.20	TRIB1 (7.7)	MAFF (6.7)	CITED2 (4.9)
0.13	>=0.20	BCAM (4.9)	PLTP (3.2)	G6PC3 (3.2)
0.13	>=0.20	LRP4 (4.2)	FZD9 (3.2)	CILP2 (2.9)
0.13	>=0.20	IZUMO1 (2.3)	CYP26A1 (2.1)	LPL (2.1)
0.13	>=0.20	PDIA3 (6.1)	CETP (4.4)	CATSPER2 (3.9)
0.13	>=0.20	APOA4 (5.0)	TM6SF2 (4.9)	PYY (4.0)
0.13	>=0.20	EMILIN1 (5.5)	CGREF1 (4.4)	NR1H3 (3.5)
0.13	>=0.20	SDC1 (3.6)	KANK2 (3.2)	TAGLN (3.0)
0.13	>=0.20	TECTB (4.6)	RIC8B (2.6)	LINC00208 (2.5)
0.13	>=0.20	LPL (4.0)	TAGLN (3.5)	EMILIN1 (2.9)
0.13	>=0.20	GATA4 (4.6)	C8orf49 (4.3)	TRIB1 (3.1)
0.13	>=0.20	LINC00208 (2.9)	ZDHHC18 (2.6)	LPA (2.6)
0.13	>=0.20	ZNF259 (4.7)	NOP58 (4.6)	POLR1A (4.5)
0.13	>=0.20	GMIP (3.4)	BLK (3.2)	GATAD2A (2.6)
0.13	>=0.20	NOP58 (4.6)	POLR1A (4.0)	ZNF259 (3.0)
0.13	>=0.20	PYY (2.8)	DOCK6 (2.6)	FUT2 (2.6)
0.13	>=0.20	BCL3 (4.4)	DDB2 (4.0)	PTPRJ (2.6)
0.13	>=0.20	IMMT (3.8)	ENSG00000200241 (3	PTPMT1 (3.1)
0.13	>=0.20	CILP2 (4.5)	LPL (3.5)	CSGALNACT1 (3.2)
0.13	>=0.20	BLK (6.6)	BCL3 (4.8)	ZDHHC18 (3.0)
0.13	>=0.20	ABCA1 (3.1)	CTSB (3.1)	DPYSL5 (2.7)
0.13	>=0.20	BCAM (3.5)	TDH (2.7)	TRIB1 (2.5)
0.13	>=0.20	ZNF259 (4.6)	POLR1A (4.4)	NOP58 (4.2)
0.13	>=0.20	ARID1A (4.5)	PCIF1 (3.3)	MFAP1 (3.1)
0.13	>=0.20	BLK (8.1)	GMIP (3.4)	AFF1 (2.4)

0.13	>=0.20	TAGLN (4.7)	PLTP (4.0)	EMILIN1 (3.9)
0.13	>=0.20	AMBRA1 (3.5)	ARID1A (3.4)	ARFGAP2 (3.2)
0.13	>=0.20	BLK (3.0)	PTPRJ (2.7)	GALNT2 (2.5)
0.13	>=0.20	NSMAF (2.8)	KDM3A (2.5)	HARBI1 (2.5)
0.13	>=0.20	DR1 (3.2)	ABO (2.6)	FAM167A (2.3)
0.13	>=0.20	TIMD4 (3.7)	BLK (3.3)	LPA (3.2)
0.13	>=0.20	GALNT2 (3.6)	DPYSL5 (2.7)	ACP2 (2.6)
0.13	>=0.20	KLF14 (4.1)	FGF21 (3.4)	C8orf49 (2.5)
0.13	>=0.20	BLK (3.6)	KDM3A (3.1)	MAU2 (2.9)
0.13	>=0.20	PCIF1 (3.5)	CTDSPL2 (2.7)	SUGP1 (2.6)
0.13	>=0.20	PCIF1 (3.5)	CTDSPL2 (2.7)	SUGP1 (2.6)
0.13	>=0.20	TSSK6 (2.8)	FUT1 (2.3)	JMJD1C (2.3)
0.13	>=0.20	PGS1 (4.9)	BCL3 (3.1)	FUT2 (2.5)
0.13	>=0.20	DPYSL5 (3.4)	FRMD5 (2.9)	DDB2 (2.6)
0.13	>=0.20	FZD9 (4.2)	CILP2 (3.4)	LRP4 (3.3)
0.13	>=0.20	TRIB1 (3.8)	ENSG00000226645 (3	CITED2 (3.4)
0.13	>=0.20	CBLC (4.8)	SFN (4.2)	C1orf172 (4.0)
0.13	>=0.20	SLC30A3 (2.6)	GATA4 (2.2)	MAFF (2.2)
0.13	>=0.20	SDC1 (3.7)	LRP4 (3.6)	CILP2 (3.4)
0.13	>=0.20	C1orf172 (6.2)	CBLC (6.0)	SFN (4.2)
0.13	>=0.20	RASIP1 (3.8)	PVRL2 (3.5)	PLTP (3.0)
0.13	>=0.20	SFN (6.5)	C1orf172 (5.4)	ZNF664 (3.4)
0.13	>=0.20	RASIP1 (3.7)	CD300LG (3.7)	C2orf16 (3.0)
0.13	>=0.20	PYY (3.4)	MLXIPL (2.9)	G6PC3 (2.4)
0.13	>=0.20	RSPO3 (3.2)	IFT172 (2.9)	DOCK6 (2.7)
0.13	>=0.20	C1orf172 (6.3)	CBLC (5.5)	ENSG00000182319 (3
0.13	>=0.20	CILP2 (5.3)	BNC2 (4.1)	CSGALNACT1 (3.2)
0.13	>=0.20	NOP58 (4.7)	POLR1A (4.6)	ZNF259 (3.8)
0.13	>=0.20	JMJD1C (3.7)	LSM12 (3.5)	ARID1A (3.0)
0.13	>=0.20	FNDC4 (2.7)	ENSG00000256746 (2	ENSG00000253379 (2
0.13	>=0.20	BCL3 (4.3)	DDB2 (3.6)	PTPRJ (3.1)
0.13	>=0.20	RSPO3 (3.3)	ENSG00000253379 (3	LRP4 (2.5)
0.13	>=0.20	CILP2 (4.2)	EMILIN1 (3.9)	SDC1 (3.2)
0.13	>=0.20	KLF14 (3.2)	RFX4 (3.2)	C1QTNF4 (2.6)
0.13	>=0.20	ENSG00000223522 (4	IZUMO1 (3.2)	ENSG00000222035 (2
0.13	>=0.20	TRIM54 (4.5)	TRIB1 (3.0)	CITED2 (3.0)
0.13	>=0.20	FNBP4 (4.1)	USP1 (3.0)	ZNF512 (2.9)
0.13	>=0.20	PPY (5.1)	PYY (4.7)	CYP26A1 (2.7)
0.14	>=0.20	FADS2 (5.7)	FADS1 (5.0)	FDFT1 (4.6)
0.14	>=0.20	CYP7A1 (6.7)	APOC4 (4.5)	NAGS (4.2)
0.14	>=0.20	CAD (3.5)	POLR1A (3.2)	NUP160 (3.1)
0.14	>=0.20	TECTB (4.5)	FUT1 (2.8)	CBLC (2.6)
0.14	>=0.20	PTPMT1 (3.0)	CITED2 (2.4)	KLF14 (2.3)
0.14	>=0.20	ZNF259 (4.9)	POLR1A (4.6)	NOP58 (4.2)
0.14	>=0.20	ATP13A1 (3.2)	SUGP1 (2.8)	ARFGAP2 (2.6)
0.14	>=0.20	BLK (3.2)	CTSB (3.0)	ACP2 (2.9)
0.14	>=0.20	BLK (6.9)	TIMD4 (3.0)	GMIP (2.4)
0.14	>=0.20	FDFT1 (4.7)	FADS2 (4.6)	FADS1 (4.5)
0.14	>=0.20	LSM12 (4.3)	ENSG00000182319 (4	TAGLN (3.5)
0.14	>=0.20	DDB2 (2.7)	ZDHHC18 (2.6)	UBXN2B (2.6)

0.14	>=0.20	ENSG00000253379 (5	TMED5 (2.2)	BNC2 (2.1)
0.14	>=0.20	C1orf172 (2.6)	TRIB1 (2.5)	PGS1 (2.4)
0.14	>=0.20	AFF1 (3.4)	SIK3 (3.4)	ZNF335 (3.2)
0.14	>=0.20	BMPR2 (5.2)	DOCK6 (2.9)	PCSK7 (2.6)
0.14	>=0.20	ABHD1 (4.1)	KHK (3.8)	CYP7A1 (2.7)
0.14	>=0.20	ARHGAP1 (3.5)	LPAR2 (3.3)	C1orf172 (2.7)
0.14	>=0.20	NOP58 (5.5)	ZNF259 (4.7)	POLR1A (4.5)
0.14	>=0.20	SDC1 (4.1)	CBLC (3.4)	C1orf172 (3.3)
0.14	>=0.20	FUT2 (3.0)	TECTB (2.8)	TMEM101 (2.7)
0.14	>=0.20	BLK (4.8)	ZDHHC18 (2.8)	TIMD4 (2.5)
0.14	>=0.20	IMMT (2.6)	TMED5 (2.0)	CATSPER2 (1.8)
0.14	>=0.20	ARID1A (2.9)	PPY (2.3)	BMPR2 (2.1)
0.14	>=0.20	PYY (7.6)	PPY (7.2)	LPL (3.2)
0.14	>=0.20	JMJD1C (4.1)	PPIP5K1 (3.0)	ARID1A (2.8)
0.14	>=0.20	GPAM (3.2)	FADS2 (3.0)	DHODH (3.0)
0.14	>=0.20	FNBP4 (4.0)	DHX38 (3.5)	NOP58 (3.1)
0.14	>=0.20	PPY (5.5)	PLTP (2.4)	DNAJC5G (2.4)
0.14	>=0.20	HAPLN4 (3.2)	KHK (3.1)	NCAN (3.1)
0.14	>=0.20	MLXIPL (4.0)	PPIP5K1 (3.2)	VEGFA (3.1)
0.14	>=0.20	CLPTM1 (4.6)	FNBP4 (3.6)	CELF1 (3.5)
0.14	>=0.20	CLPTM1 (3.5)	PGS1 (3.4)	APOA4 (2.6)
0.14	>=0.20	SIK3 (3.3)	BUD13 (2.8)	RSPO3 (2.6)
0.14	>=0.20	CELF1 (3.1)	NRBP1 (2.7)	GTF3C2 (2.5)
0.14	>=0.20	KHK (3.5)	VEGFA (3.0)	SLC22A3 (2.9)
0.14	>=0.20	FADS1 (3.6)	FADS2 (3.4)	FDFT1 (2.7)
0.14	>=0.20	MAFF (4.2)	CCDC18 (2.8)	FEN1 (2.6)
0.14	>=0.20	PTPRJ (2.6)	UCN (2.4)	DUSP3 (2.0)
0.14	>=0.20	FDFT1 (11.4)	FADS1 (9.9)	FADS2 (9.3)
0.14	>=0.20	SOST (3.2)	RSPO3 (3.0)	IGF2R (2.9)
0.14	>=0.20	BCL3 (5.5)	MAFF (4.5)	SIK3 (3.7)
0.14	>=0.20	FNBP4 (4.1)	LSM12 (3.2)	PPM1G (2.9)
0.14	>=0.20	ARFGAP2 (4.0)	PPIP5K1 (3.6)	NDUFS3 (3.3)
0.14	>=0.20	GMIP (3.2)	DDB2 (3.2)	ZDHHC18 (2.8)
0.14	>=0.20	FNBP4 (3.9)	IMMT (3.4)	PPM1G (3.0)
0.14	>=0.20	CTSB (5.5)	SIDT2 (3.5)	ACP2 (3.4)
0.14	>=0.20	FNBP4 (4.2)	USP1 (2.8)	NOP58 (2.8)
0.14	>=0.20	PTPRJ (3.4)	BCL3 (3.1)	GMIP (2.9)
0.14	>=0.20	FDFT1 (14.4)	FADS1 (13.1)	FADS2 (11.9)
0.14	>=0.20	MLXIPL (3.5)	ENSG00000182319 (3	GPAM (2.8)
0.14	>=0.20	C8orf12 (3.0)	PLA2G6 (3.0)	AMBRA1 (2.9)
0.14	>=0.20	IMMT (4.9)	PTCD3 (3.7)	PPM1G (2.6)
0.14	>=0.20	MYBPC3 (4.6)	GATA4 (4.1)	TAGLN (3.9)
0.14	>=0.20	FNBP4 (5.3)	NOP58 (3.1)	GTF3C2 (3.0)
0.14	>=0.20	CILP2 (3.0)	FNDC4 (2.9)	ABHD1 (2.8)
0.14	>=0.20	POLR1A (4.9)	NOP58 (4.6)	CAD (4.6)
0.14	>=0.20	NSMAF (2.2)	SUMO1 (1.8)	NOP58 (1.7)
0.14	>=0.20	PAFAH1B2 (2.5)	UBXN2B (2.5)	MPP2 (2.4)
0.14	>=0.20	TECTB (3.9)	CBLC (2.7)	CGREF1 (2.4)
0.14	>=0.20	NOP58 (5.8)	ZNF259 (5.0)	POLR1A (4.0)
0.14	>=0.20	LPA (3.6)	TM6SF2 (2.8)	CETP (2.7)

0.14 >=0.20	CITED2 (2.5)	ZNF664 (2.3)	DR1 (2.3)
0.14 >=0.20	NFE2L3 (3.7)	BCL3 (3.4)	SFN (3.1)
0.14 >=0.20	ANGPTL4 (3.4)	KHK (2.8)	NR0B2 (2.7)
0.14 >=0.20	IMMT (3.2)	CAD (2.9)	PDIA3 (2.9)
0.14 >=0.20	ENSG00000253379 (5	CILP2 (3.1)	SOST (2.8)
0.14 >=0.20	DOCK6 (4.3)	RASIP1 (4.1)	VEGFA (3.5)
0.14 >=0.20	PTPRJ (3.2)	SDCBP (3.1)	CHMP3 (2.5)
0.14 >=0.20	PGS1 (3.0)	LINC00208 (2.9)	C2orf16 (2.8)
0.14 >=0.20	RASIP1 (5.7)	CSGALNACT1 (3.2)	CD300LG (3.1)
0.14 >=0.20	BCL3 (3.4)	TMED5 (3.3)	CTSB (3.2)
0.14 >=0.20	SIK3 (2.4)	DUSP3 (1.9)	SDCBP (1.9)
0.14 >=0.20	LPL (3.2)	TRIB1 (2.6)	C19orf80 (2.4)
0.14 >=0.20	IMMT (4.5)	MTCH2 (4.3)	TOMM40 (3.5)
0.14 >=0.20	HAPLN4 (3.8)	MADD (2.8)	C1QTNF4 (2.5)
0.14 >=0.20	SUMO1 (4.5)	PTCD3 (3.2)	FUT1 (3.1)
0.14 >=0.20	IMMT (4.2)	PDIA3 (2.8)	MTCH2 (2.7)
0.14 >=0.20	MTCH2 (4.7)	IMMT (3.5)	EIF2B4 (3.4)
0.14 >=0.20	NR1H3 (3.4)	ACP2 (3.3)	LPL (3.1)
0.14 >=0.20	KHK (3.5)	TM6SF2 (3.2)	CYP7A1 (3.1)
0.14 >=0.20	ARFGAP2 (3.2)	GTF3C2 (3.1)	AMBRA1 (3.0)
0.14 >=0.20	BMPR2 (4.3)	ZDHHC18 (2.3)	KANK2 (2.2)
0.14 >=0.20	PAFAH1B2 (3.7)	KDM3A (3.0)	BCL7B (2.9)
0.14 >=0.20	AMBRA1 (3.3)	FDFT1 (2.6)	ARID1A (2.5)
0.14 >=0.20	PCIF1 (4.1)	BUD13 (3.0)	KBTBD4 (3.0)
0.14 >=0.20	FDFT1 (4.8)	TBL2 (2.6)	IFT172 (2.4)
0.14 >=0.20	RFX4 (3.5)	REEP3 (2.6)	FRMD5 (2.3)
0.14 >=0.20	LPAR2 (2.9)	ABO (2.8)	PGS1 (2.4)
0.14 >=0.20	CYP26A1 (4.3)	SLC22A1 (4.2)	CYP7A1 (3.8)
0.14 >=0.20	ENSG00000257711 (4	CSGALNACT1 (2.8)	C2orf16 (2.4)
0.14 >=0.20	CLPTM1 (3.5)	PAFAH1B2 (3.4)	ARHGAP1 (3.2)
0.14 >=0.20	TMED5 (4.7)	G6PC3 (4.6)	C2orf28 (4.5)
0.14 >=0.20	C1orf172 (4.4)	CBLC (3.7)	KRTCAP3 (3.4)
0.14 >=0.20	EMILIN1 (4.7)	ABCA1 (2.7)	SDC1 (2.7)
0.14 >=0.20	BLK (6.3)	TIMD4 (3.0)	GMIP (2.6)
0.14 >=0.20	NDUFS3 (4.7)	IMMT (3.8)	OST4 (2.7)
0.14 >=0.20	POLR1A (5.3)	ZNF259 (4.4)	CAD (4.3)
0.14 >=0.20	MTF2 (3.1)	TMEM101 (2.6)	HDAC5 (2.1)
0.14 >=0.20	GATA4 (3.2)	PCSK7 (2.7)	MYBPC3 (2.6)
0.14 >=0.20	CAD (2.7)	IMMT (2.6)	NOP58 (2.5)
0.14 >=0.20	BCL3 (2.9)	TRIB1 (2.8)	GMIP (2.7)
0.14 >=0.20	BCL3 (4.2)	MAFF (4.0)	TRIB1 (3.9)
0.14 >=0.20	CILP2 (4.9)	FZD9 (4.7)	CYP26A1 (3.6)
0.15 >=0.20	TM6SF2 (4.1)	KHK (4.1)	HAPLN4 (3.3)
0.15 >=0.20	PDIA3 (6.5)	TMEM214 (5.9)	TBL2 (5.1)
0.15 >=0.20	TBL2 (3.3)	PDIA3 (3.0)	PIGV (2.8)
0.15 >=0.20	PLTP (3.3)	ABO (2.8)	ENSG00000235545 (2
0.15 >=0.20	RSPO3 (3.1)	C11orf9 (2.7)	LRP4 (2.5)
0.15 >=0.20	TAGLN (8.9)	ARHGAP1 (3.7)	PVRL2 (3.5)
0.15 >=0.20	TAGLN (3.4)	ENSG00000182319 (2	IGF2R (2.3)
0.15 >=0.20	GMIP (3.3)	LPAR2 (2.6)	CMIP (2.3)

0.15	>=0.20	PLA2G6 (4.1)	PIGV (3.0)	ZNF408 (2.8)
0.15	>=0.20	OST4 (2.7)	FNBP4 (2.0)	NOP58 (2.0)
0.15	>=0.20	IMMT (3.5)	SDCBP (2.8)	DOCK7 (2.7)
0.15	>=0.20	PDIA3 (3.9)	SDC1 (3.5)	RASIP1 (3.2)
0.15	>=0.20	CYP26A1 (3.5)	TAGLN (3.3)	HAVCR1 (3.3)
0.15	>=0.20	BCL3 (3.5)	ZDHHC18 (3.3)	NFE2L3 (3.2)
0.15	>=0.20	C1orf172 (3.8)	FUT2 (3.2)	PYY (2.3)
0.15	>=0.20	DDB2 (2.8)	UBXN2B (2.7)	IGF2R (2.5)
0.15	>=0.20	ZDHHC18 (3.3)	BLK (2.8)	PBX4 (2.6)
0.15	>=0.20	FNBP4 (5.7)	ENSG00000223745 (4	MTF2 (3.6)
0.15	>=0.20	HDAC5 (2.3)	CSGALNACT1 (2.2)	RSPO3 (2.2)
0.15	>=0.20	EPB41L3 (2.9)	CTSB (2.9)	COBLL1 (2.8)
0.15	>=0.20	EPB41L3 (2.9)	CTSB (2.9)	COBLL1 (2.8)
0.15	>=0.20	BNC2 (4.8)	TMEM175 (2.7)	PPIP5K1 (2.6)
0.15	>=0.20	FUT2 (3.1)	SLC22A3 (2.4)	BCL3 (2.4)
0.15	>=0.20	RASIP1 (3.4)	DOCK6 (3.3)	GATA4 (3.2)
0.15	>=0.20	PAFAH1B2 (3.3)	PCSK7 (2.9)	TMED5 (2.6)
0.15	>=0.20	ZNF335 (2.8)	SUGP1 (2.6)	ZNF408 (2.6)
0.15	>=0.20	MYBPC3 (5.3)	TRIM54 (3.7)	CTSB (2.7)
0.15	>=0.20	BCL7B (3.6)	PGS1 (3.0)	PTPN13 (2.8)
0.15	>=0.20	ARFGAP2 (3.6)	NOP58 (3.0)	NRBP1 (3.0)
0.15	>=0.20	COBLL1 (4.1)	ZNF335 (3.0)	JMJD1C (2.8)
0.15	>=0.20	NOP58 (5.9)	ZNF259 (5.0)	POLR1A (4.2)
0.15	>=0.20	NOP58 (5.9)	ZNF259 (5.0)	POLR1A (4.2)
0.15	>=0.20	NOP58 (5.9)	ZNF259 (5.0)	POLR1A (4.2)
0.15	>=0.20	CLPTM1 (2.5)	DOCK7 (2.4)	SPG11 (2.2)
0.15	>=0.20	NOP58 (3.9)	POLR1A (3.8)	ZNF259 (2.9)
0.15	>=0.20	NOP58 (3.9)	POLR1A (3.8)	ZNF259 (2.9)
0.15	>=0.20	NOP58 (3.9)	POLR1A (3.8)	ZNF259 (2.9)
0.15	>=0.20	IMMT (2.4)	TMED5 (2.0)	CATSPER2 (1.9)
0.15	>=0.20	GPN1 (3.8)	ZNF259 (3.6)	SLC5A6 (3.4)
0.15	>=0.20	RASIP1 (6.4)	DOCK6 (5.4)	VEGFA (2.8)
0.15	>=0.20	IMMT (3.9)	PDIA3 (3.6)	PPM1G (3.0)
0.15	>=0.20	BNC2 (3.6)	FDFT1 (2.6)	CYP26A1 (2.2)
0.15	>=0.20	ZNF259 (4.8)	POLR1A (4.4)	NOP58 (3.9)
0.15	>=0.20	ATG4C (2.8)	FADS2 (2.6)	SPG11 (2.5)
0.15	>=0.20	BMPR2 (4.2)	ARID1A (2.9)	C8orf12 (2.4)
0.15	>=0.20	KDM3A (3.2)	C17orf105 (3.0)	IZUMO1 (2.7)
0.15	>=0.20	DHODH (3.1)	TXNL4B (2.9)	TUBGCP4 (2.8)
0.15	>=0.20	NOP58 (5.5)	ZNF259 (5.1)	POLR1A (4.6)
0.15	>=0.20	KLF14 (3.0)	PVRL2 (2.6)	BCAM (2.4)
0.15	>=0.20	DUSP3 (2.5)	ENSG00000236827 (2	JMJD1C (2.1)
0.15	>=0.20	NOP58 (5.5)	ZNF259 (5.0)	POLR1A (4.5)
0.15	>=0.20	POLR1A (4.6)	GPN2 (4.0)	CAD (3.8)
0.15	>=0.20	C1orf172 (4.2)	CBLC (4.0)	SFN (2.9)
0.15	>=0.20	SPG11 (4.0)	ZNF259 (3.3)	NRBP1 (3.0)
0.15	>=0.20	NOP58 (5.6)	ZNF259 (5.0)	POLR1A (4.1)
0.15	>=0.20	PACSIN3 (3.0)	SIK3 (3.0)	C11orf9 (2.9)
0.15	>=0.20	ABO (3.7)	KLF14 (2.8)	NAT2 (2.6)
0.15	>=0.20	PPIP5K1 (3.3)	ARFGAP2 (3.1)	ATP13A1 (3.0)

0.15 >=0.20	SNX17 (2.7)	NRBP1 (2.7)	BLK (2.5)
0.15 >=0.20	HAPLN4 (4.7)	ACP2 (3.5)	APOE (3.4)
0.15 >=0.20	NOP58 (5.2)	ZNF259 (4.8)	POLR1A (4.4)
0.15 >=0.20	TMEM101 (3.7)	GALNT2 (3.1)	TMEM175 (3.1)
0.15 >=0.20	SFN (5.7)	PTPN13 (2.7)	CBLC (2.3)
0.15 >=0.20	C11orf9 (3.5)	GATA4 (2.8)	FUT2 (2.7)
0.15 >=0.20	NOP58 (5.1)	ZNF259 (3.8)	POLR1A (3.7)
0.15 >=0.20	TP53BP1 (3.3)	SNX17 (3.3)	ATG13 (3.0)
0.15 >=0.20	PCIF1 (3.4)	CTDSPL2 (2.9)	ZNF408 (2.8)
0.15 >=0.20	PCIF1 (3.4)	CTDSPL2 (2.9)	ZNF408 (2.8)
0.15 >=0.20	PCIF1 (3.4)	CTDSPL2 (2.9)	ZNF408 (2.8)
0.15 >=0.20	PCIF1 (3.4)	CTDSPL2 (2.9)	ZNF408 (2.8)
0.15 >=0.20	POLR1A (4.4)	NOP58 (4.0)	EIF3J (3.7)
0.15 >=0.20	LINC00208 (2.9)	CSGALNACT1 (2.8)	ENSG00000257711 (2
0.15 >=0.20	CHMP3 (2.7)	SUMO1 (2.2)	PGS1 (2.1)
0.15 >=0.20	BLK (3.3)	PBX4 (3.2)	GMIP (3.0)
0.15 >=0.20	FADS2 (10.3)	FADS1 (9.9)	FDFT1 (7.1)
0.15 >=0.20	PCSK7 (2.8)	BUD13 (2.5)	BRE (2.2)
0.15 >=0.20	GATA4 (3.0)	PVRL2 (2.9)	C11orf9 (2.6)
0.15 >=0.20	PPY (9.7)	PYY (8.2)	LPL (3.1)
0.15 >=0.20	MYBPC3 (4.5)	TRIM54 (3.2)	TAGLN (2.6)
0.15 >=0.20	BMPR2 (4.6)	PTPRJ (2.9)	CD300LG (2.9)
0.15 >=0.20	ENSG00000200241 (2	FGF21 (2.8)	RIC8B (2.7)
0.15 >=0.20	CYP26A1 (4.7)	C2orf16 (3.9)	RSPO3 (3.2)
0.15 >=0.20	CTSB (4.2)	SDC1 (2.9)	SDCBP (2.6)
0.15 >=0.20	NOP58 (4.2)	POLR1A (3.9)	ZNF259 (2.7)
0.15 >=0.20	RSPO3 (3.2)	CITED2 (3.1)	ENSG00000182319 (3
0.15 >=0.20	BCL7B (3.7)	BAZ1B (3.6)	ARID1A (2.8)
0.15 >=0.20	PCIF1 (4.1)	KBTBD4 (3.7)	DHX38 (3.6)
0.15 >=0.20	IZUMO1 (2.7)	PMFBP1 (2.6)	STRC (2.3)
0.15 >=0.20	COBLL1 (3.0)	FNDC4 (2.3)	FGF21 (2.2)
0.15 >=0.20	RFX4 (3.1)	C1QTNF4 (2.4)	PTPN13 (2.3)
0.15 >=0.20	WDR76 (3.4)	CAD (3.3)	TUBGCP4 (3.2)
0.15 >=0.20	TAGLN (4.6)	SFN (3.7)	SDC1 (3.6)
0.15 >=0.20	C11orf49 (2.7)	TXNL4B (2.7)	TOMM40 (2.7)
0.15 >=0.20	TIMD4 (4.3)	CETP (3.9)	TAGLN (3.4)
0.16 >=0.20	FNBP4 (3.5)	ARID1A (3.2)	CELF1 (3.1)
0.16 >=0.20	SIK3 (3.2)	AFF1 (2.8)	C11orf9 (2.8)
0.16 >=0.20	NFE2L3 (3.8)	ATP13A1 (2.5)	FNBP4 (2.3)
0.16 >=0.20	FNBP4 (4.8)	CELF1 (2.9)	NOP58 (2.9)
0.16 >=0.20	APOC1 (3.9)	NAT2 (3.8)	SLC22A1 (3.7)
0.16 >=0.20	GPN1 (3.9)	NOP58 (3.7)	CAD (3.5)
0.16 >=0.20	BLK (7.5)	GMIP (4.4)	PTPRJ (2.5)
0.16 >=0.20	ABCA1 (5.3)	NR1H3 (4.0)	TIMD4 (2.8)
0.16 >=0.20	TIMD4 (3.5)	CETP (3.3)	CTDSPL2 (2.8)
0.16 >=0.20	NOP58 (4.2)	ZNF259 (4.1)	POLR1A (4.0)
0.16 >=0.20	MTCH2 (3.1)	NDUFS3 (2.7)	PREB (2.1)
0.16 >=0.20	C1orf172 (5.8)	CBLC (5.7)	KRTCAP3 (4.0)
0.16 >=0.20	ACP2 (3.4)	NR1H3 (3.2)	APOC1 (3.0)
0.16 >=0.20	SPG11 (3.2)	NSMAF (3.1)	DDB2 (2.9)

0.16	>=0.20	C8orf49 (7.0)	MYBPC3 (4.3)	VEGFA (2.8)
0.16	>=0.20	ENSG00000256746 (3	TECTB (3.2)	ENSG00000257711 (2
0.16	>=0.20	CLPTM1 (3.1)	ZNF512 (2.4)	IZUMO1 (2.2)
0.16	>=0.20	CTSB (2.6)	PTPRJ (2.2)	REEP1 (2.2)
0.16	>=0.20	CBLC (6.0)	C1orf172 (6.0)	SFN (4.5)
0.16	>=0.20	ABHD1 (4.3)	FGF21 (2.7)	PLA2G6 (2.7)
0.16	>=0.20	CKAP5 (4.9)	POLR1A (4.4)	ZNF259 (3.7)
0.16	>=0.20	FNBP4 (3.6)	BUD13 (3.3)	NUP160 (3.2)
0.16	>=0.20	ABCA1 (3.0)	GMIP (2.7)	CTSB (2.3)
0.16	>=0.20	NOP58 (5.6)	ZNF259 (5.1)	POLR1A (4.6)
0.16	>=0.20	FNBP4 (4.2)	NOP58 (3.3)	PPM1G (3.2)
0.16	>=0.20	CILP2 (3.8)	FZD9 (3.4)	LRP4 (3.1)
0.16	>=0.20	ENSG00000234945 (4	CYP7A1 (3.9)	SLC22A1 (3.9)
0.16	>=0.20	NOP58 (5.4)	ZNF259 (5.3)	POLR1A (4.5)
0.16	>=0.20	MAMSTR (3.2)	BUD13 (3.1)	ABO (2.3)
0.16	>=0.20	HP (4.1)	TRIM54 (2.2)	C2orf53 (2.1)
0.16	>=0.20	TOMM40 (2.8)	TXNL4B (2.5)	MAFF (2.3)
0.16	>=0.20	BCL3 (3.4)	OST4 (3.0)	SIK3 (2.8)
0.16	>=0.20	C1orf172 (7.3)	SFN (5.3)	SDC1 (3.7)
0.16	>=0.20	BLK (3.0)	KDM3A (2.8)	PDIA3 (2.6)
0.16	>=0.20	LPAR2 (3.4)	GMIP (2.9)	BRE (2.6)
0.16	>=0.20	LRP4 (3.7)	ENSG00000253379 (3	RSPO3 (3.0)
0.16	>=0.20	TAGLN (5.0)	ARHGAP1 (3.4)	TIMD4 (3.2)
0.16	>=0.20	POLR1A (4.0)	NOP58 (3.9)	DHX38 (3.0)
0.16	>=0.20	CITED2 (2.6)	NRBP1 (2.2)	ZNF513 (2.1)
0.16	>=0.20	SPG11 (2.7)	VEGFA (2.4)	EMILIN1 (2.3)
0.16	>=0.20	APOC1 (2.8)	C19orf80 (2.5)	BCAM (2.4)
0.16	>=0.20	BLK (7.9)	GMIP (2.9)	COBLL1 (2.9)
0.16	>=0.20	ATG13 (3.2)	PPM1G (2.6)	DHX38 (2.4)
0.16	>=0.20	TAGLN (4.5)	EMILIN1 (4.3)	PLTP (3.0)
0.16	>=0.20	SFN (6.2)	CBLC (6.1)	C1orf172 (4.2)
0.16	>=0.20	NOP58 (4.8)	ZNF259 (4.6)	POLR1A (4.2)
0.16	>=0.20	C1orf172 (5.9)	SFN (5.6)	BCAM (4.6)
0.16	>=0.20	TMEM175 (4.7)	G6PC3 (4.2)	ATP13A1 (3.8)
0.16	>=0.20	KHK (6.8)	ANGPTL3 (6.4)	SLC22A1 (5.2)
0.16	>=0.20	CYP26A1 (3.4)	RFX4 (3.3)	PLTP (3.2)
0.16	>=0.20	BLK (3.5)	PBX4 (3.0)	GMIP (2.0)
0.16	>=0.20	ZNF259 (4.8)	TOMM40 (4.8)	POLR1A (4.4)
0.16	>=0.20	ENSG00000226645 (3	TRIB1 (3.1)	CITED2 (2.5)
0.16	>=0.20	NOP58 (4.3)	POLR1A (3.9)	CAD (3.2)
0.16	>=0.20	NOP58 (5.3)	ZNF259 (5.1)	TOMM40 (4.0)
0.16	>=0.20	MYBPC3 (4.7)	ARHGAP1 (3.1)	BCL3 (3.0)
0.16	>=0.20	ENSG00000179523 (2	ZNF408 (2.7)	KANK2 (2.5)
0.16	>=0.20	LRP4 (2.7)	HAVCR1 (2.5)	PACSIN3 (2.4)
0.16	>=0.20	FNBP4 (3.8)	PCIF1 (3.4)	DHX38 (3.3)
0.16	>=0.20	ATG4C (3.6)	UBXN2B (3.1)	CCDC18 (3.1)
0.16	>=0.20	SIDT2 (2.4)	KRTCAP3 (2.3)	TSSK6 (2.3)
0.16	>=0.20	NOP58 (5.3)	ZNF259 (4.9)	POLR1A (3.7)
0.16	>=0.20	C1orf172 (6.4)	CBLC (6.4)	SFN (4.3)
0.16	>=0.20	FDFT1 (7.7)	FADS1 (7.7)	FADS2 (6.9)

0.16 >=0.20	TAGLN (5.7)	EMILIN1 (4.3)	KANK2 (3.2)
0.16 >=0.20	TMEM101 (4.2)	SUMO1 (2.7)	TMED5 (2.5)
0.16 >=0.20	TMEM101 (4.2)	SUMO1 (2.7)	TMED5 (2.5)
0.16 >=0.20	BLK (7.2)	GMIP (2.7)	TIMD4 (2.7)
0.16 >=0.20	FNBP4 (4.5)	BUD13 (2.9)	ZNF512 (2.8)
0.16 >=0.20	NCAN (3.3)	SLC30A3 (2.7)	APOE (2.6)
0.16 >=0.20	PPY (4.6)	PYY (3.8)	MLXIPL (2.5)
0.16 >=0.20	GPN1 (3.4)	PPM1G (3.2)	ARFGAP2 (3.1)
0.16 >=0.20	PTPRJ (3.4)	TIMD4 (3.1)	ACP2 (2.8)
0.16 >=0.20	C2orf53 (2.3)	PGS1 (2.2)	ENSG00000200241 (2
0.16 >=0.20	PPM1G (3.5)	IMMT (3.2)	ZNF259 (2.8)
0.16 >=0.20	FADS2 (4.0)	FADS1 (3.3)	FDFT1 (3.2)
0.16 >=0.20	CAD (4.5)	ATP13A1 (4.2)	PDIA3 (3.7)
0.16 >=0.20	EIF3J (3.8)	MTCH2 (3.2)	EIF2B4 (3.0)
0.16 >=0.20	PTPRJ (3.4)	NFE2L3 (2.9)	GMIP (2.8)
0.16 >=0.20	BCL3 (4.2)	RASIP1 (2.5)	TRIB1 (2.5)
0.16 >=0.20	TRIB1 (3.1)	BMPR2 (2.6)	RSPO3 (2.6)
0.16 >=0.20	SDC1 (2.8)	RASIP1 (2.6)	TECTB (2.6)
0.16 >=0.20	ZNF513 (4.3)	BCL3 (2.6)	GMIP (2.5)
0.16 >=0.20	TAGLN (4.4)	SDC1 (3.1)	ARHGAP1 (2.7)
0.16 >=0.20	CITED2 (2.8)	PGS1 (2.5)	AFF1 (2.3)
0.16 >=0.20	ENSG00000253379 (6	LRP4 (3.1)	KANK2 (3.1)
0.16 >=0.20	PDIA3 (3.9)	TMED5 (3.2)	TMEM214 (3.0)
0.16 >=0.20	BCL3 (3.4)	TRIB1 (3.0)	GMIP (2.9)
0.16 >=0.20	BLK (3.5)	ZDHHC18 (3.2)	GMIP (3.1)
0.16 >=0.20	PYY (3.6)	C1orf172 (3.4)	ENSG00000223745 (2
0.16 >=0.20	APOE (3.4)	SLC30A3 (3.1)	RASIP1 (2.3)
0.17 >=0.20	CITED2 (2.4)	VEGFA (2.2)	SLC5A6 (2.2)
0.17 >=0.20	GMIP (3.9)	BCL3 (3.1)	PTPRJ (3.1)
0.17 >=0.20	ARID1A (4.2)	GATA4 (3.5)	HDAC5 (3.3)
0.17 >=0.20	CYP26A1 (4.2)	PTPN13 (3.3)	LRP4 (3.3)
0.17 >=0.20	NAT2 (3.5)	FDFT1 (3.3)	IZUMO1 (3.2)
0.17 >=0.20	COBLL1 (2.6)	TAGLN (2.4)	CSGALNACT1 (2.2)
0.17 >=0.20	APOA4 (3.6)	ENSG00000226645 (2	MAFF (2.5)
0.17 >=0.20	ZNF664 (3.8)	CAD (3.3)	IMMT (2.8)
0.17 >=0.20	GATAD2A (3.8)	DOCK7 (3.0)	DPYSL5 (2.8)
0.17 >=0.20	CAD (4.6)	POLR1A (3.6)	NDUFS3 (3.5)
0.17 >=0.20	NOP58 (4.6)	OST4 (3.6)	ZNF259 (2.8)
0.17 >=0.20	ARID1A (2.8)	PVRL2 (2.2)	MAPRE3 (2.1)
0.17 >=0.20	IMMT (3.4)	PDIA3 (3.4)	GPAM (3.3)
0.17 >=0.20	IGF2R (3.0)	SLC5A6 (2.9)	GALNT2 (2.7)
0.17 >=0.20	EMILIN1 (4.2)	TAGLN (3.9)	COBLL1 (2.8)
0.17 >=0.20	TIMD4 (3.6)	APOE (2.9)	LINC00208 (2.7)
0.17 >=0.20	NOP58 (5.8)	ZNF259 (5.1)	POLR1A (3.9)
0.17 >=0.20	NRBF2 (4.6)	PGS1 (3.0)	CTSB (2.8)
0.17 >=0.20	NRBP1 (3.1)	CELF1 (2.3)	ENSG00000223522 (2
0.17 >=0.20	CLPTM1 (3.5)	ARHGAP1 (2.7)	ATG4C (2.6)
0.17 >=0.20	USP1 (3.2)	ARID1A (3.1)	BAZ1B (3.1)
0.17 >=0.20	LRP4 (3.4)	BCAM (3.2)	SDC1 (3.1)
0.17 >=0.20	ARFGAP2 (3.5)	PPIP5K1 (3.5)	ATP13A1 (3.0)

0.17 >=0.20	SUGP1 (3.0)	DHX38 (2.7)	EIF3J (2.6)
0.17 >=0.20	TDH (3.0)	C8orf49 (2.9)	KRTCAP3 (2.5)
0.17 >=0.20	SDC1 (2.7)	GMIP (2.4)	EMILIN1 (2.3)
0.17 >=0.20	INTS10 (3.5)	GTF3C2 (3.2)	SLC5A6 (3.0)
0.17 >=0.20	FZD9 (3.7)	TRIM54 (2.2)	MAMSTR (2.2)
0.17 >=0.20	MTF2 (3.0)	AFF1 (2.7)	ARID1A (2.7)
0.17 >=0.20	FNBP4 (3.5)	BUD13 (3.5)	PCIF1 (3.1)
0.17 >=0.20	CD300LG (3.8)	RASIP1 (3.5)	CETP (2.5)
0.17 >=0.20	ENSG00000255020 (3	TDH (3.0)	ABHD1 (2.8)
0.17 >=0.20	CILP2 (6.3)	FZD9 (3.9)	KLF14 (3.1)
0.17 >=0.20	SUMO1 (2.6)	EIF3J (2.6)	LSM12 (2.3)
0.17 >=0.20	FNBP4 (4.3)	ZNF512 (3.1)	PCIF1 (2.9)
0.17 >=0.20	BCL3 (3.1)	CILP2 (2.9)	RASIP1 (2.5)
0.17 >=0.20	LRP4 (3.2)	G6PC3 (2.6)	CYP26A1 (2.4)
0.17 >=0.20	NEIL2 (3.3)	MAFF (3.2)	ANGPTL4 (2.3)
0.17 >=0.20	FUT2 (4.8)	PCSK7 (3.1)	PYY (2.8)
0.17 >=0.20	NRBF2 (4.2)	PGS1 (3.4)	FUT2 (3.1)
0.17 >=0.20	COBLL1 (3.7)	KHK (3.6)	TMED5 (2.5)
0.17 >=0.20	SFN (3.6)	LRP4 (2.5)	SIDT2 (2.4)
0.17 >=0.20	TAGLN (5.4)	ENSG00000182319 (3	DOCK6 (2.8)
0.17 >=0.20	MADD (4.5)	EPB41L3 (3.2)	C1QTNF4 (2.7)
0.17 >=0.20	NDUFS3 (2.9)	VEGFA (2.8)	HAVCR1 (2.7)
0.17 >=0.20	AMBRA1 (3.7)	ARID1A (3.3)	GTF3C2 (3.2)
0.17 >=0.20	AFF1 (3.1)	ARID1A (2.9)	CITED2 (2.8)
0.17 >=0.20	KHK (7.1)	CGREF1 (3.2)	TM6SF2 (3.1)
0.17 >=0.20	MYBPC3 (4.8)	TRIM54 (3.1)	RASIP1 (3.0)
0.17 >=0.20	C11orf9 (5.5)	BNC2 (3.5)	RSPO3 (2.8)
0.17 >=0.20	LPL (3.2)	PMFBP1 (2.8)	PLTP (2.6)
0.17 >=0.20	NOP58 (4.5)	PTCD3 (3.8)	ZNF259 (3.8)
0.17 >=0.20	IMMT (4.4)	TOMM40 (3.1)	PTCD3 (2.7)
0.17 >=0.20	TAGLN (3.5)	SDC1 (2.9)	DOCK6 (2.8)
0.17 >=0.20	FNBP4 (5.3)	NOP58 (3.1)	GTF3C2 (3.1)
0.17 >=0.20	C8orf49 (4.4)	NEIL2 (3.0)	GATA4 (2.7)
0.17 >=0.20	BLK (3.4)	KDM3A (2.9)	MAU2 (2.5)
0.17 >=0.20	CMIP (2.1)	NFE2L3 (2.0)	C2orf16 (2.0)
0.17 >=0.20	MAFF (4.5)	BCL3 (3.6)	TRIB1 (3.4)
0.17 >=0.20	MPP2 (4.1)	LPA (2.9)	CYP26A1 (2.0)
0.17 >=0.20	AMBRA1 (4.4)	AFF1 (3.8)	PACSIN3 (3.3)
0.17 >=0.20	BLK (7.9)	CETP (3.1)	GMIP (2.9)
0.17 >=0.20	IMMT (2.7)	TMED5 (2.1)	CGREF1 (1.8)
0.17 >=0.20	BMPR2 (3.7)	KANK2 (3.0)	C8orf49 (2.4)
0.17 >=0.20	CTSB (2.4)	UCN (2.1)	ENSG00000256746 (2
0.17 >=0.20	FADS2 (5.1)	FADS1 (4.8)	GPAM (4.7)
0.17 >=0.20	CYP26A1 (4.5)	LRP4 (3.6)	RSPO3 (3.1)
0.17 >=0.20	SFN (5.3)	CBLC (4.2)	C1orf172 (3.7)
0.17 >=0.20	NOP58 (5.5)	ZNF259 (5.2)	POLR1A (4.6)
0.17 >=0.20	NOP58 (4.4)	POLR1A (3.4)	TOMM40 (3.1)
0.18 >=0.20	ZNF408 (3.1)	SUGP1 (2.9)	EIF3J (2.6)
0.18 >=0.20	ZNF408 (3.1)	SUGP1 (2.9)	EIF3J (2.6)
0.18 >=0.20	ZNF408 (3.1)	SUGP1 (2.9)	EIF3J (2.6)

0.18	>=0.20	NFE2L3 (2.9)	ZDHHC18 (2.8)	GMIP (2.4)
0.18	>=0.20	ARID1A (3.6)	AMBRA1 (3.5)	GTF3C2 (3.2)
0.18	>=0.20	FNBP4 (4.5)	INTS10 (4.3)	CELF1 (2.6)
0.18	>=0.20	BNC2 (3.3)	ABO (2.9)	LPAL2 (2.9)
0.18	>=0.20	BNC2 (3.3)	ABO (2.9)	LPAL2 (2.9)
0.18	>=0.20	GATA4 (3.8)	ARHGAP1 (2.7)	MFAP1 (2.6)
0.18	>=0.20	NOP58 (5.1)	ZNF259 (5.1)	POLR1A (4.7)
0.18	>=0.20	MAFF (4.3)	BCL3 (3.6)	ZNF513 (3.2)
0.18	>=0.20	MAFF (4.3)	BCL3 (3.6)	ZNF513 (3.2)
0.18	>=0.20	TP53BP1 (3.2)	CKAP5 (3.1)	ZNF664 (2.5)
0.18	>=0.20	C2orf28 (4.8)	CTSB (4.7)	REEP3 (3.9)
0.18	>=0.20	BLK (2.5)	VEGFA (2.4)	GMIP (2.4)
0.18	>=0.20	IMMT (2.7)	TMED5 (1.9)	CATSPER2 (1.8)
0.18	>=0.20	HAPLN4 (3.9)	DPYSL5 (3.3)	MAP1A (3.2)
0.18	>=0.20	NOP58 (5.5)	ZNF259 (5.2)	POLR1A (4.9)
0.18	>=0.20	LRP4 (6.2)	ENSG00000182319 (3	RFX4 (3.7)
0.18	>=0.20	BCAM (4.2)	KANK2 (3.3)	DOCK6 (2.7)
0.18	>=0.20	DNAJC5G (4.6)	ENSG00000257711 (4	C8orf49 (3.2)
0.18	>=0.20	CILP2 (4.8)	SOST (3.1)	ANGPTL3 (2.8)
0.18	>=0.20	BLK (8.7)	GMIP (5.0)	BCL3 (3.3)
0.18	>=0.20	CAD (3.8)	PTCD3 (3.7)	POLR1A (3.4)
0.18	>=0.20	FNBP4 (4.8)	GPN2 (3.6)	TXNL4B (3.4)
0.18	>=0.20	NDUFS3 (4.8)	MRPL35 (3.7)	PTPMT1 (3.6)
0.18	>=0.20	FNBP4 (4.0)	DHX38 (3.6)	SUGP1 (3.1)
0.18	>=0.20	KHK (4.6)	APOA4 (4.1)	TM6SF2 (3.2)
0.18	>=0.20	FUT2 (3.7)	PIGV (3.6)	C2orf28 (3.4)
0.18	>=0.20	POLR1A (4.7)	CAD (3.7)	ZNF259 (3.6)
0.18	>=0.20	KHK (5.0)	TM6SF2 (3.6)	ACP2 (3.2)
0.18	>=0.20	KRTCAP3 (2.8)	ENSG00000254235 (2	ENSG00000179523 (2
0.18	>=0.20	SFN (8.6)	C1orf172 (4.7)	SDC1 (4.0)
0.18	>=0.20	TAGLN (4.5)	CITED2 (4.1)	PVRL2 (2.9)
0.18	>=0.20	NRBP1 (4.7)	ATG13 (3.6)	AMBRA1 (3.0)
0.18	>=0.20	PTPRJ (3.3)	NR1H3 (3.0)	PLTP (2.3)
0.18	>=0.20	NOP58 (4.6)	ZNF259 (4.5)	POLR1A (4.0)
0.18	>=0.20	STRC (2.7)	ENSG00000255020 (2	TDH (2.1)
0.18	>=0.20	IMMT (3.3)	ATP13A1 (3.2)	ARFGAP2 (3.0)
0.18	>=0.20	TDH (3.2)	ENSG00000255020 (3	C11orf9 (3.1)
0.18	>=0.20	NOP58 (5.8)	ZNF259 (5.2)	TOMM40 (3.8)
0.18	>=0.20	CTSB (2.9)	GMIP (2.6)	APOC1 (2.5)
0.18	>=0.20	FNBP4 (5.1)	ZNF664 (3.4)	GATAD2A (3.0)
0.18	>=0.20	FNBP4 (4.6)	ENSG00000223745 (3	ZNF512 (3.4)
0.18	>=0.20	RSPO3 (4.1)	CSGALNACT1 (2.5)	CHMP3 (2.4)
0.18	>=0.20	ATG4C (2.9)	CD300LG (2.7)	FADS2 (2.7)
0.18	>=0.20	ATG4C (2.9)	CD300LG (2.7)	FADS2 (2.7)
0.18	>=0.20	FUT2 (3.0)	C2orf16 (3.0)	ENSG00000256746 (2
0.18	>=0.20	FADS1 (4.9)	SIK3 (3.4)	FDFT1 (2.6)
0.18	>=0.20	C11orf49 (4.6)	AGBL2 (3.9)	RBKS (3.2)
0.18	>=0.20	CILP2 (5.9)	EMILIN1 (4.5)	TAGLN (3.6)
0.18	>=0.20	NR0B2 (2.8)	ACP2 (2.4)	KLF14 (2.3)
0.18	>=0.20	BNC2 (3.5)	C11orf9 (3.4)	ENSG00000234945 (3

0.18	>=0.20	BCL3 (3.6)	PGS1 (2.9)	PTPRJ (2.8)
0.18	>=0.20	BLK (9.6)	GMIP (2.9)	LIPC (2.6)
0.18	>=0.20	GMIP (4.1)	CMIP (2.9)	DOCK7 (2.1)
0.18	>=0.20	FNBP4 (4.2)	BUD13 (2.8)	GTF3C2 (2.8)
0.18	>=0.20	ABO (2.5)	AMBRA1 (2.4)	JMJD1C (2.2)
0.18	>=0.20	DR1 (3.1)	SDCBP (3.0)	ATG13 (2.7)
0.18	>=0.20	SLC22A3 (3.7)	NR0B2 (2.8)	RASIP1 (2.6)
0.18	>=0.20	FNBP4 (5.0)	NOP58 (3.2)	USP1 (3.0)
0.18	>=0.20	TOMM40 (4.2)	POLR1A (3.0)	FEN1 (2.9)
0.18	>=0.20	FNBP4 (3.7)	NOP58 (3.4)	PPM1G (2.7)
0.18	>=0.20	WDR76 (4.9)	DDB2 (3.6)	FEN1 (3.4)
0.18	>=0.20	BCL7B (3.1)	NRBP1 (3.0)	MAU2 (2.8)
0.18	>=0.20	FUT2 (7.2)	FGF21 (2.7)	CBLC (2.7)
0.18	>=0.20	NOP58 (4.3)	POLR1A (3.8)	ZNF259 (3.6)
0.18	>=0.20	ENSG00000222035 (4	ENSG00000254235 (3	ABO (2.8)
0.18	>=0.20	TAGLN (4.5)	SDCBP (3.5)	ARHGAP1 (3.2)
0.18	>=0.20	DOCK6 (4.2)	RASIP1 (3.9)	CD300LG (2.5)
0.18	>=0.20	SNX17 (3.1)	NRBP1 (3.0)	BLK (2.6)
0.18	>=0.20	ARHGAP1 (3.3)	CLPTM1 (3.2)	NRBP1 (2.8)
0.18	>=0.20	ENSG00000226645 (4	TRIB1 (3.9)	CITED2 (3.3)
0.18	>=0.20	LRP4 (4.0)	CILP2 (3.2)	ENSG00000253379 (3
0.18	>=0.20	GMIP (2.9)	HDAC5 (2.7)	AFF1 (2.6)
0.18	>=0.20	LRP4 (3.5)	CYP26A1 (3.3)	PTPN13 (3.2)
0.18	>=0.20	NOP58 (5.0)	ZNF259 (5.0)	POLR1A (4.6)
0.18	>=0.20	BLK (4.5)	GMIP (3.5)	NR1H3 (2.2)
0.19	>=0.20	MAMSTR (3.1)	MAPK10 (2.8)	FGF21 (2.7)
0.19	>=0.20	BCL3 (3.7)	TRIB1 (3.5)	ARID1A (2.9)
0.19	>=0.20	DHODH (3.5)	LPA (3.4)	NRBP1 (3.2)
0.19	>=0.20	BCL3 (2.9)	EMILIN1 (2.7)	SDC1 (2.7)
0.19	>=0.20	FNBP4 (4.4)	BUD13 (3.1)	NOP58 (2.8)
0.19	>=0.20	PDIA3 (8.0)	TMEM214 (4.7)	TMED5 (3.8)
0.19	>=0.20	EIF3J (3.1)	PPIP5K1 (2.3)	PMFBP1 (2.2)
0.19	>=0.20	NOP58 (5.4)	POLR1A (4.9)	ZNF259 (3.8)
0.19	>=0.20	GATAD2A (2.6)	EPB41L3 (2.2)	AGBL5 (2.0)
0.19	>=0.20	PDIA3 (6.8)	TMEM214 (5.2)	ATG13 (3.8)
0.19	>=0.20	CD300LG (3.3)	ENSG00000182329 (3	C8orf12 (2.9)
0.19	>=0.20	MTF2 (3.3)	ENSG00000223745 (2	PYY (2.8)
0.19	>=0.20	PGS1 (2.4)	AFF1 (2.2)	PMFBP1 (2.2)
0.19	>=0.20	AGBL5 (2.9)	G6PC3 (2.6)	ARID1A (2.5)
0.19	>=0.20	BLK (4.6)	CETP (3.2)	ZDHHC18 (2.9)
0.19	>=0.20	TAGLN (5.4)	SDC1 (4.0)	KANK2 (3.3)
0.19	>=0.20	RSPO3 (3.2)	APOE (3.0)	PTPRJ (2.8)
0.19	>=0.20	AGBL2 (2.7)	MAU2 (1.9)	TDH (1.9)
0.19	>=0.20	FNBP4 (3.6)	NUP160 (3.5)	PPM1G (3.0)
0.19	>=0.20	SDCBP (4.0)	PDIA3 (2.9)	CTSB (2.8)
0.19	>=0.20	FNBP4 (4.9)	PCIF1 (3.1)	DHX38 (2.9)
0.19	>=0.20	RASIP1 (6.9)	DOCK6 (4.4)	BMPR2 (3.7)
0.19	>=0.20	BLK (3.9)	COBLL1 (2.4)	FAM167A (2.2)
0.19	>=0.20	CBLC (6.4)	C1orf172 (6.0)	SFN (4.0)
0.19	>=0.20	NOP58 (4.3)	POLR1A (4.0)	ZNF259 (2.6)

0.19	>=0.20	CYP7A1 (3.6)	TM6SF2 (3.1)	ABO (2.8)
0.19	>=0.20	LINC00208 (3.2)	NFE2L3 (2.4)	BCL3 (2.4)
0.19	>=0.20	C8orf49 (4.3)	ATG4C (2.5)	PMFBP1 (2.4)
0.19	>=0.20	CTSB (4.1)	REEP3 (3.4)	ACP2 (2.8)
0.19	>=0.20	C1orf172 (3.8)	PGS1 (3.4)	CBLC (3.3)
0.19	>=0.20	RFX4 (4.2)	PYY (3.3)	PPY (3.3)
0.19	>=0.20	SIK3 (3.7)	BCL3 (3.4)	ENSG00000182319 (2
0.19	>=0.20	ZNF259 (4.7)	NOP58 (4.5)	POLR1A (4.2)
0.19	>=0.20	PPY (3.8)	KLF14 (3.5)	TP53BP1 (2.6)
0.19	>=0.20	PPY (3.5)	SLC5A6 (3.2)	TBL2 (3.1)
0.19	>=0.20	FEN1 (5.0)	USP1 (4.0)	CCDC18 (3.0)
0.19	>=0.20	PGS1 (3.5)	PBX4 (2.7)	MPP3 (2.5)
0.19	>=0.20	PGS1 (3.5)	PBX4 (2.7)	MPP3 (2.5)
0.19	>=0.20	SLC22A1 (2.9)	MPV17 (2.5)	HGFAC (2.4)
0.19	>=0.20	C8orf49 (7.9)	GATA4 (3.6)	C11orf9 (3.1)
0.19	>=0.20	BMPR2 (2.6)	BCL3 (2.5)	AFF1 (2.5)
0.19	>=0.20	FNDC4 (3.2)	CILP2 (3.2)	FRMD5 (2.7)
0.19	>=0.20	ENSG00000200241 (2	ZNF513 (2.2)	C8orf12 (2.2)
0.19	>=0.20	CGREF1 (2.9)	ABHD1 (2.8)	C8orf12 (2.7)
0.19	>=0.20	JMJD1C (2.9)	KDM3A (2.9)	ARHGAP1 (2.4)
0.19	>=0.20	ENSG00000253379 (4	TAGLN (2.7)	IGF2R (2.2)
0.19	>=0.20	DPYSL5 (5.0)	NCAN (4.5)	FZD9 (2.8)
0.19	>=0.20	PDIA3 (3.5)	CCDC121 (3.1)	TMED5 (2.9)
0.19	>=0.20	VEGFA (3.1)	KHK (2.8)	RASIP1 (2.7)
0.19	>=0.20	PPM1G (4.1)	CAD (4.1)	CKAP5 (4.0)
0.19	>=0.20	BCAM (3.4)	MADD (3.2)	LPL (3.2)
0.19	>=0.20	ENSG00000253379 (3	SDC1 (3.4)	LRP4 (2.7)
0.19	>=0.20	SFN (4.9)	APOE (2.5)	TMEM175 (2.1)
0.19	>=0.20	TDH (3.4)	C8orf49 (3.2)	ENSG00000182319 (2
0.19	>=0.20	KDM3A (3.5)	FNBP4 (3.2)	DHX38 (3.1)
0.19	>=0.20	APOA4 (3.2)	PPY (3.1)	TM6SF2 (3.0)
0.19	>=0.20	TMEM214 (6.3)	TBL2 (3.8)	ATG13 (3.4)
0.19	>=0.20	C1orf172 (6.1)	CBLC (5.8)	KRTCAP3 (3.7)
0.19	>=0.20	C2orf53 (2.7)	ENSG00000253379 (2	PGS1 (2.0)
0.19	>=0.20	C1orf172 (2.4)	G6PC3 (2.0)	REEP3 (2.0)
0.19	>=0.20	ABHD1 (3.4)	FRMD5 (2.5)	ENSG00000179523 (2
0.19	>=0.20	FNBP4 (3.3)	ZNF335 (3.3)	PTCD3 (2.9)
0.19	>=0.20	RIC8B (2.6)	BUD13 (2.5)	TMEM101 (2.4)
0.19	>=0.20	FNBP4 (3.2)	CELF1 (3.1)	ARID1A (3.0)
0.19	>=0.20	FNBP4 (4.4)	DHX38 (3.1)	PCIF1 (3.0)
0.19	>=0.20	PREB (3.4)	CAD (3.2)	DHX38 (2.7)
0.19	>=0.20	GCKR (2.9)	CYP7A1 (2.9)	KANK2 (2.7)
0.19	>=0.20	RASIP1 (6.2)	DOCK6 (4.1)	ENSG00000222035 (3
0.19	>=0.20	NOP58 (5.2)	POLR1A (4.4)	ZNF259 (4.3)
0.19	>=0.20	SDC1 (3.2)	TUBGCP4 (3.1)	PPIP5K1 (2.7)
0.19	>=0.20	RASIP1 (6.5)	DOCK6 (4.6)	TAGLN (2.9)
0.19	>=0.20	PREB (4.5)	ATG13 (3.7)	SUGP1 (3.6)
0.19	>=0.20	TMEM214 (3.2)	CLPTM1 (3.1)	TMED5 (2.9)
0.19	>=0.20	BMPR2 (6.0)	GATA4 (3.3)	RASIP1 (3.2)
0.19	>=0.20	BCAM (5.5)	CBLC (4.3)	SFN (3.6)

0.19	>=0.20	PDIA3 (7.4)	CATSPER2 (3.5)	VEGFA (3.2)
0.19	>=0.20	AMBRA1 (3.4)	AGBL5 (2.7)	SUPT7L (2.4)
0.19	>=0.20	MAFF (4.3)	TRIB1 (4.0)	BCL3 (3.7)
0.19	>=0.20	MAFF (4.3)	TRIB1 (4.0)	BCL3 (3.7)
0.19	>=0.20	MAFF (4.3)	TRIB1 (4.0)	BCL3 (3.7)
0.19	>=0.20	MAFF (4.3)	TRIB1 (4.0)	BCL3 (3.7)
0.2	>=0.20	GALNT2 (3.6)	CTSB (2.2)	CSGALNACT1 (2.0)
0.2	>=0.20	CBLC (4.7)	C1orf172 (4.3)	KRTCAP3 (4.1)
0.2	>=0.20	BAZ1B (3.1)	ARID1A (3.1)	ATP13A1 (2.6)
0.2	>=0.20	C2orf16 (2.8)	ENSG00000226645 (2	MPV17 (2.4)
0.2	>=0.20	CILP2 (5.0)	CYP26A1 (4.4)	SOST (3.5)
0.2	>=0.20	C11orf9 (4.5)	TM6SF2 (2.7)	BNC2 (2.6)
0.2	>=0.20	CTSB (4.6)	C2orf28 (3.4)	MPV17 (3.4)
0.2	>=0.20	BLK (5.8)	GMIP (3.7)	CMIP (2.5)
0.2	>=0.20	CILP2 (6.6)	FZD9 (4.7)	GALNT2 (2.9)
0.2	>=0.20	BCL3 (2.5)	CD300LG (2.4)	RASIP1 (2.1)
0.2	>=0.20	TAGLN (4.2)	ENSG00000182319 (3	DPYSL5 (2.9)
0.2	>=0.20	PDIA3 (4.4)	TBL2 (3.4)	TOMM40 (3.1)
0.2	>=0.20	CELF1 (3.2)	BNC2 (2.8)	NCAN (2.5)
0.2	>=0.20	CD300LG (2.8)	RSPO3 (2.6)	SPG11 (2.3)
0.2	>=0.20	ZNF259 (4.6)	NOP58 (4.3)	POLR1A (4.2)
0.2	>=0.20	MYBPC3 (7.7)	GATA4 (3.4)	FRMD5 (3.0)
0.2	>=0.20	TECTB (3.6)	ENSG00000257711 (3	ENSG00000256746 (3
0.2	>=0.20	ZNF259 (5.0)	NOP58 (4.9)	POLR1A (4.8)
0.2	>=0.20	CTSB (3.6)	SDC1 (3.6)	EMILIN1 (2.9)
0.2	>=0.20	BUD13 (3.8)	FNBP4 (3.4)	PCIF1 (3.2)
0.2	>=0.20	NOP58 (5.2)	ZNF259 (4.8)	POLR1A (4.7)
0.2	>=0.20	LPAR2 (2.6)	AGBL5 (2.3)	NRBP1 (2.2)
0.2	>=0.20	ARID1A (3.6)	DHX38 (3.3)	BAZ1B (2.6)
0.2	>=0.20	GMIP (3.9)	NCAN (2.5)	ZNF512 (2.3)
0.2	>=0.20	GATAD2A (2.6)	CMIP (2.6)	CTSB (2.4)
0.2	>=0.20	ENSG00000257711 (3	C1QTNF4 (2.3)	ENSG00000182329 (2
0.2	>=0.20	ZNF259 (2.4)	MAFF (2.1)	ATP13A1 (2.0)
0.2	>=0.20	MAFF (3.5)	SIK3 (3.4)	TRIB1 (2.9)
0.2	>=0.20	BCAM (4.8)	TAGLN (3.9)	EMILIN1 (3.2)
0.2	>=0.20	BNC2 (4.5)	FZD9 (3.9)	KLF14 (2.9)
0.2	>=0.20	KLF14 (2.6)	PVRL2 (2.6)	LRP4 (2.4)
0.2	>=0.20	NOP58 (5.0)	POLR1A (3.6)	ZNF259 (3.2)
0.2	>=0.20	CCDC92 (3.4)	CATSPER2 (3.2)	DUSP3 (3.0)
0.2	>=0.20	C1orf172 (5.6)	CBLC (5.5)	KRTCAP3 (3.8)
0.2	>=0.20	MYBPC3 (3.1)	RASIP1 (2.8)	BMPR2 (2.6)
0.2	>=0.20	C1orf172 (3.1)	TM6SF2 (2.8)	TECTB (2.6)
0.2	>=0.20	SNX17 (4.1)	PAFAH1B2 (3.4)	CSGALNACT1 (3.2)
0.2	>=0.20	TRIB1 (3.5)	CITED2 (3.3)	MAFF (2.7)
0.2	>=0.20	PAFAH1B2 (3.4)	CLPTM1 (3.4)	ARHGAP1 (3.3)
0.2	>=0.20	TAGLN (3.8)	TRIM54 (3.2)	SFN (2.7)
0.2	>=0.20	IMMT (3.2)	TP53BP1 (3.2)	CAD (3.1)
0.2	>=0.20	ENSG00000235545 (2	PGS1 (2.3)	SLC22A3 (2.0)
0.2	>=0.20	FDFT1 (4.5)	FADS2 (3.2)	TUBGCP4 (3.0)
0.2	>=0.20	NOP58 (4.8)	ZNF259 (3.9)	POLR1A (3.1)

0.2	>=0.20	NOP58 (5.3)	POLR1A (4.7)	ZNF259 (4.6)
0.2	>=0.20	BNC2 (4.0)	NRBF2 (2.8)	AFF1 (2.5)
0.2	>=0.20	RFX4 (3.3)	EPB41L3 (3.0)	TDH (2.7)
0.2	>=0.20	PPY (5.8)	EPB41L3 (4.2)	ABCA1 (3.3)
0.2	>=0.20	BNC2 (3.6)	GATA4 (2.8)	TRIB1 (2.7)
0.2	>=0.20	ENSG00000182319 (3	ARID1A (2.9)	GATAD2A (2.8)
0.2	>=0.20	TRIM54 (4.4)	KDM3A (3.3)	SLC30A3 (3.1)
0.2	>=0.20	FNBP4 (3.8)	DHX38 (3.1)	SUGP1 (3.0)
0.2	>=0.20	MAFF (6.0)	TRIB1 (5.1)	FGF21 (4.2)
0.2	>=0.20	FNBP4 (3.4)	CELF1 (2.8)	AMBRA1 (2.4)
0.2	>=0.20	CGREF1 (2.9)	KRTCAP3 (2.8)	CD300LG (2.7)
0.2	>=0.20	NOP58 (4.6)	POLR1A (4.2)	ZNF259 (3.9)
0.2	>=0.20	LINC00208 (3.3)	SLC22A1 (3.1)	ZDHHC18 (2.8)
0.2	>=0.20	LSM12 (2.5)	HAVCR1 (2.4)	PTPMT1 (2.1)
0.2	>=0.20	GMIP (2.3)	BCL3 (2.2)	ANGPTL4 (2.2)
0.2	>=0.20	GMIP (2.3)	BCL3 (2.2)	ANGPTL4 (2.2)
0.2	>=0.20	KRTCAP3 (2.7)	C8orf12 (2.3)	UCN (2.2)
0.2	>=0.20	CAD (3.4)	NUP160 (3.3)	USP1 (3.0)
0.2	>=0.20	MAFF (4.8)	FGF21 (4.0)	VEGFA (3.7)
0.2	>=0.20	FUT2 (3.6)	NR1H3 (3.4)	TIMD4 (3.4)
0.2	>=0.20	FNBP4 (4.3)	NOP58 (3.3)	PPM1G (3.2)
0.2	>=0.20	MADD (3.4)	PTPN13 (2.7)	GMIP (2.6)
0.2	>=0.20	PDIA3 (3.7)	BLK (2.8)	ACP2 (2.3)
0.2	>=0.20	CKAP5 (4.1)	FEN1 (3.8)	USP1 (3.4)
0.2	>=0.20	FADS2 (4.7)	FADS1 (4.6)	FDFT1 (4.1)
0.2	>=0.20	TAGLN (2.5)	APOE (2.4)	GMIP (2.0)
0.2	>=0.20	DOCK7 (3.3)	JMJD1C (2.6)	EPB41L3 (2.5)
0.2	>=0.20	APOA4 (7.2)	KHK (7.0)	TM6SF2 (6.6)
0.2	>=0.20	NSMAF (3.2)	ENSG00000256731 (3	ZDHHC18 (3.0)
0.2	>=0.20	DHX38 (4.2)	CAD (3.6)	NUP160 (3.5)
0.2	>=0.20	FNBP4 (5.0)	USP1 (3.8)	NOP58 (3.2)
0.21	>=0.20	POLR1A (3.7)	ARFGAP2 (3.5)	ATG13 (3.2)
0.21	>=0.20	ARID1A (3.4)	TRIB1 (3.2)	AFF1 (2.7)
0.21	>=0.20	CLPTM1 (3.1)	MAPRE3 (2.9)	SNX17 (2.7)
0.21	>=0.20	ATG4C (3.1)	CD300LG (2.4)	CETP (2.2)
0.21	>=0.20	AMBRA1 (4.6)	GTF3C2 (3.3)	BAZ1B (3.1)
0.21	>=0.20	C1orf172 (4.7)	SDC1 (4.2)	CBLC (3.1)
0.21	>=0.20	TIMD4 (3.7)	BLK (3.1)	GMIP (2.8)
0.21	>=0.20	SPG11 (4.5)	TP53BP1 (3.7)	ZNF259 (3.0)
0.21	>=0.20	DR1 (3.5)	TOMM40 (3.0)	MRPL35 (2.9)
0.21	>=0.20	FNBP4 (4.0)	SUGP1 (3.4)	DHX38 (3.2)
0.21	>=0.20	EMILIN1 (4.0)	CILP2 (3.6)	LRP4 (3.5)
0.21	>=0.20	RSPO3 (4.5)	PVRL2 (3.8)	LRP4 (3.2)
0.21	>=0.20	GATAD2A (3.3)	PPM1G (2.7)	TOMM40 (2.7)
0.21	>=0.20	LSM12 (3.4)	ARID1A (3.1)	BLK (2.6)
0.21	>=0.20	GATAD2A (2.7)	CCDC92 (2.4)	DNAJC5G (2.4)
0.21	>=0.20	TM6SF2 (3.6)	KHK (3.1)	SLC5A6 (3.1)
0.21	>=0.20	PDIA3 (8.6)	TBL2 (3.1)	CATSPER2 (3.0)
0.21	>=0.20	PPY (3.1)	LINC00208 (2.9)	ENSG00000223745 (2
0.21	>=0.20	ENSG00000236827 (3	ENSG00000257711 (3	LINC00208 (3.2)

0.21 >=0.20	CILP2 (3.8)	CGREF1 (3.3)	ABO (2.2)
0.21 >=0.20	BCAM (4.1)	TAGLN (3.0)	COBLL1 (2.6)
0.21 >=0.20	GMIP (3.2)	PTPRJ (2.9)	HAPLN4 (2.3)
0.21 >=0.20	RFX4 (5.9)	NCAN (3.6)	LRP4 (2.7)
0.21 >=0.20	ARHGAP1 (3.3)	CLPTM1 (3.2)	CELF1 (2.6)
0.21 >=0.20	BCL3 (3.5)	RFX4 (3.1)	ARID1A (2.9)
0.21 >=0.20	TP53BP1 (3.4)	ARID1A (3.3)	FNBP4 (3.3)
0.21 >=0.20	C8orf49 (4.1)	ENSG00000222035 (4	ENSG00000255020 (3
0.21 >=0.20	APOA4 (3.9)	NAGS (3.4)	TM6SF2 (3.3)
0.21 >=0.20	FDFT1 (5.7)	FADS1 (4.8)	FADS2 (4.3)
0.21 >=0.20	TP53BP1 (3.0)	GATAD2A (2.8)	SUGP1 (2.5)
0.21 >=0.20	TAGLN (3.3)	SDC1 (3.0)	DOCK6 (3.0)
0.21 >=0.20	GTF3C2 (4.0)	CAD (3.8)	NUP160 (3.7)
0.21 >=0.20	FNBP4 (4.2)	ZNF335 (2.8)	GPN2 (2.6)
0.21 >=0.20	CMIP (3.4)	TRIB1 (3.3)	ARID1A (3.2)
0.21 >=0.20	POLR1A (5.1)	ZNF259 (4.5)	NOP58 (4.3)
0.21 >=0.20	DHX38 (4.3)	FNBP4 (3.3)	GTF3C2 (3.2)
0.21 >=0.20	PTPN13 (3.6)	ARID1A (3.4)	CYP26A1 (2.7)
0.21 >=0.20	ATG13 (4.1)	TBL2 (4.0)	TMEM214 (3.6)
0.21 >=0.20	RASIP1 (4.5)	COBLL1 (2.6)	SLC22A3 (2.3)
0.21 >=0.20	CYP26A1 (3.0)	LPAR2 (2.9)	LRP4 (2.4)
0.21 >=0.20	HP (3.0)	NAT2 (2.4)	NRBF2 (2.4)
0.21 >=0.20	JMJD1C (3.2)	PGS1 (2.4)	BCL3 (2.3)
0.21 >=0.20	DHODH (3.8)	DHX38 (3.6)	TMEM175 (2.5)
0.21 >=0.20	NOP58 (5.0)	POLR1A (4.8)	TOMM40 (4.2)
0.21 >=0.20	NAT2 (4.2)	GALNT2 (3.1)	INTS10 (2.5)
0.21 >=0.20	PCSK7 (3.7)	PAFAH1B2 (3.4)	C11orf9 (3.2)
0.21 >=0.20	KHK (3.8)	SLC5A6 (3.2)	HAPLN4 (2.7)
0.21 >=0.20	RFX4 (4.0)	NCAN (3.8)	DPYSL5 (2.9)
0.21 >=0.20	KDM3A (4.6)	BRE (4.5)	FADS1 (2.7)
0.21 >=0.20	C2orf16 (4.2)	LINC00208 (3.3)	SIK3 (2.4)
0.21 >=0.20	CTSB (3.4)	ANGPTL4 (2.8)	BCL3 (2.8)
0.21 >=0.20	GALNT2 (3.2)	PCIF1 (2.8)	FNBP4 (2.4)
0.21 >=0.20	MTCH2 (3.4)	ATP13A1 (3.3)	PPIP5K1 (3.2)
0.21 >=0.20	FNBP4 (5.3)	NOP58 (3.3)	GTF3C2 (3.0)
0.21 >=0.20	GATA4 (2.5)	KHK (2.4)	PDIA3 (2.2)
0.21 >=0.20	SNX17 (3.4)	ZNF335 (2.6)	SUPT7L (2.5)
0.21 >=0.20	FNBP4 (3.9)	USP1 (2.9)	GTF3C2 (2.8)
0.21 >=0.20	SLC30A3 (4.3)	C8orf12 (2.8)	DNAJC5G (2.2)
0.21 >=0.20	PDIA3 (6.1)	NRBP1 (4.7)	TMEM214 (4.0)
0.21 >=0.20	MLXIPL (3.7)	VEGFA (3.6)	FDFT1 (3.3)
0.21 >=0.20	LPAR2 (2.6)	TSSK6 (2.5)	C8orf49 (2.4)
0.21 >=0.20	FAM167A (3.0)	CILP2 (2.7)	SOST (2.5)
0.21 >=0.20	DPYSL5 (3.3)	AGBL5 (2.5)	G6PC3 (2.3)
0.21 >=0.20	FNBP4 (4.0)	DHX38 (3.4)	SUGP1 (3.2)
0.21 >=0.20	RASIP1 (5.1)	C8orf49 (4.6)	EMILIN1 (3.0)
0.21 >=0.20	ENSG00000253379 (5	CYP26A1 (4.0)	LRP4 (3.0)
0.21 >=0.20	LIPC (3.8)	ANGPTL3 (3.5)	LPAL2 (3.5)
0.21 >=0.20	GTF3C2 (3.8)	NUP160 (3.8)	CAD (3.7)
0.21 >=0.20	NOP58 (5.1)	ZNF259 (4.9)	POLR1A (4.4)

0.21 >=0.20	C1orf172 (5.5)	CBLC (5.4)	KRTCAP3 (3.7)
0.21 >=0.20	KDM3A (3.2)	C2orf53 (2.9)	C17orf105 (2.9)
0.21 >=0.20	CAD (4.3)	POLR1A (4.2)	DHODH (4.1)
0.21 >=0.20	C8orf49 (4.6)	PMFBP1 (2.6)	GATA4 (2.5)
0.21 >=0.20	TSSK6 (2.7)	TDH (2.5)	PBX4 (2.4)
0.21 >=0.20	NOP58 (5.7)	ZNF259 (4.6)	POLR1A (4.0)
0.21 >=0.20	PCIF1 (3.9)	SUGP1 (3.8)	DHX38 (3.7)
0.21 >=0.20	CILP2 (4.2)	SDC1 (3.9)	EMILIN1 (3.1)
0.21 >=0.20	CTSB (3.2)	C1QTNF4 (3.2)	PLTP (2.8)
0.21 >=0.20	IFT172 (3.3)	PAFAH1B2 (2.4)	ARID1A (2.3)
0.21 >=0.20	TRIB1 (5.6)	CITED2 (4.4)	MAFF (4.3)
0.21 >=0.20	ZNF335 (3.3)	SUGP1 (3.1)	PTCD3 (3.1)
0.22 >=0.20	ENSG00000223745 (3	DR1 (3.4)	CELF1 (3.3)
0.22 >=0.20	BCAM (2.5)	SFN (2.5)	MAU2 (2.5)
0.22 >=0.20	ARID1A (4.2)	ZNF335 (3.8)	FNBP4 (3.6)
0.22 >=0.20	SOST (5.1)	TECTB (4.9)	ENSG00000253379 (4
0.22 >=0.20	RSPO3 (3.2)	C11orf9 (3.0)	C2orf16 (2.8)
0.22 >=0.20	TMEM214 (4.9)	NRBP1 (3.5)	ATG13 (3.1)
0.22 >=0.20	NOP58 (4.7)	ZNF259 (4.4)	POLR1A (4.4)
0.22 >=0.20	USP1 (4.3)	DHX38 (3.6)	NUP160 (3.5)
0.22 >=0.20	ENSG00000253379 (4	CYP26A1 (4.1)	SOST (3.2)
0.22 >=0.20	PGS1 (2.7)	CSGALNACT1 (2.5)	BCL3 (2.2)
0.22 >=0.20	BNC2 (3.0)	TRIB1 (2.4)	KDM3A (2.2)
0.22 >=0.20	MAMSTR (3.2)	AMBRA1 (2.6)	KLF14 (2.6)
0.22 >=0.20	TDH (3.0)	TM6SF2 (2.7)	ABHD1 (2.7)
0.22 >=0.20	CAD (4.3)	NOP58 (4.2)	PPM1G (3.2)
0.22 >=0.20	CTSB (4.2)	FRMD5 (3.0)	NCAN (2.9)
0.22 >=0.20	DUSP3 (2.8)	SIK3 (2.8)	BMPR2 (2.8)
0.22 >=0.20	TAGLN (3.4)	IMMT (3.3)	ARHGAP1 (3.3)
0.22 >=0.20	CILP2 (3.4)	RSPO3 (3.4)	PTPN13 (3.1)
0.22 >=0.20	RASIP1 (3.3)	BMPR2 (2.4)	FADS2 (2.3)
0.22 >=0.20	RASIP1 (6.8)	DOCK6 (3.9)	CETP (3.2)
0.22 >=0.20	BCL3 (5.2)	PTPRJ (3.8)	GMIP (3.5)
0.22 >=0.20	CELF1 (3.5)	GATAD2A (3.0)	ENSG00000223745 (2
0.22 >=0.20	CILP2 (7.7)	SDC1 (2.9)	IGF2R (2.4)
0.22 >=0.20	TMEM214 (3.6)	TBL2 (3.4)	GALNT2 (3.4)
0.22 >=0.20	HDAC5 (2.9)	PLA2G6 (2.3)	ARFGAP2 (2.2)
0.22 >=0.20	TAGLN (8.8)	ARHGAP1 (3.7)	PVRL2 (3.4)
0.22 >=0.20	IZUMO1 (2.3)	RFX4 (2.3)	WDR76 (2.3)
0.22 >=0.20	ATP13A1 (3.8)	ARFGAP2 (3.2)	MRPL35 (3.0)
0.22 >=0.20	DOCK6 (4.0)	NCAN (3.1)	LRP4 (2.6)
0.22 >=0.20	BCAM (4.6)	PVRL2 (4.0)	C11orf9 (3.8)
0.22 >=0.20	NOP58 (5.7)	ZNF259 (5.1)	POLR1A (4.3)
0.22 >=0.20	RFX4 (4.9)	NCAN (4.2)	DPYSL5 (3.2)
0.22 >=0.20	POLR1A (4.3)	NOP58 (4.2)	ZNF259 (4.1)
0.22 >=0.20	MRPL35 (2.8)	MLXIPL (2.6)	GPAM (2.4)
0.22 >=0.20	MTF2 (2.9)	BMPR2 (2.6)	FEN1 (2.5)
0.22 >=0.20	MAMSTR (4.7)	PACSIN3 (2.6)	JMJD1C (2.6)
0.22 >=0.20	C8orf49 (6.9)	GATA4 (2.8)	FDFT1 (2.2)
0.22 >=0.20	TAGLN (5.1)	REEP1 (2.9)	TRIM54 (2.7)

0.22	>=0.20	C2orf16 (3.1)	ENSG00000226645 (2	LINC00208 (2.4)
0.22	>=0.20	PPY (5.0)	APOA4 (2.9)	LPAR2 (2.7)
0.22	>=0.20	IMMT (2.6)	TMED5 (2.1)	CGREF1 (1.9)
0.22	>=0.20	SIDT2 (3.1)	PPY (2.8)	CSGALNACT1 (2.6)
0.22	>=0.20	PACSIN3 (3.3)	C11orf9 (3.0)	BMPR2 (2.9)
0.22	>=0.20	SFN (5.5)	C1orf172 (4.7)	PVRL2 (3.5)
0.22	>=0.20	AGBL2 (2.6)	MAU2 (1.9)	TECTB (1.8)
0.22	>=0.20	PDIA3 (3.6)	ENSG00000200241 (3	SUMO1 (2.7)
0.22	>=0.20	LRP4 (2.9)	RFX4 (2.8)	ENSG00000256731 (2
0.22	>=0.20	RSPO3 (3.3)	C11orf9 (2.9)	C2orf16 (2.7)
0.22	>=0.20	DNAH10 (3.0)	CYP26A1 (2.3)	ENSG00000179523 (2
0.22	>=0.20	CBLC (6.1)	C1orf172 (5.7)	SFN (3.5)
0.22	>=0.20	NOP58 (5.4)	ZNF259 (4.8)	POLR1A (4.6)
0.22	>=0.20	PTPN13 (3.1)	FUT2 (2.2)	BNC2 (2.2)
0.22	>=0.20	DR1 (3.0)	AGBL5 (2.7)	POLR1A (2.4)
0.22	>=0.20	NOP58 (4.6)	ZNF259 (4.1)	POLR1A (3.7)
0.22	>=0.20	PTCD3 (3.7)	ZNF335 (3.5)	SUGP1 (3.3)
0.22	>=0.20	NOP58 (5.4)	ZNF259 (5.1)	POLR1A (4.3)
0.22	>=0.20	ATP13A1 (2.1)	PTPRJ (2.0)	AFF1 (1.9)
0.22	>=0.20	BCL3 (3.2)	ZDHHC18 (3.0)	PCIF1 (2.8)
0.22	>=0.20	CAD (3.3)	MFAP1 (3.3)	USP1 (3.2)
0.22	>=0.20	CILP2 (5.0)	CYP26A1 (4.5)	SOST (3.2)
0.22	>=0.20	SFN (5.5)	CBLC (3.9)	TAGLN (3.9)
0.22	>=0.20	DDB2 (2.9)	SOST (2.8)	SFN (2.8)
0.22	>=0.20	MPP3 (2.6)	PYY (2.3)	BNC2 (2.0)
0.22	>=0.20	CILP2 (3.9)	FZD9 (3.2)	SOST (2.8)
0.22	>=0.20	TOMM40 (4.3)	IMMT (3.5)	ZNF259 (3.5)
0.22	>=0.20	KRTCAP3 (3.2)	ANGPTL4 (2.5)	SLC5A6 (2.1)
0.22	>=0.20	ENSG00000257711 (3	DNAH10 (2.6)	ENSG00000255020 (2
0.22	>=0.20	FNBP4 (3.9)	NUP160 (2.9)	CELF1 (2.7)
0.22	>=0.20	NOP58 (3.5)	IMMT (2.9)	PPM1G (2.6)
0.22	>=0.20	CYP26A1 (4.6)	PTPN13 (3.0)	RSPO3 (2.6)
0.22	>=0.20	HDAC5 (2.7)	HAVCR1 (2.6)	ENSG00000182319 (2
0.22	>=0.20	PTPRJ (3.5)	GMIP (3.0)	AFF1 (2.8)
0.22	>=0.20	PIGV (3.4)	ARFGAP2 (3.2)	MTMR9 (3.1)
0.22	>=0.20	CILP2 (4.3)	RSPO3 (3.0)	FZD9 (2.5)
0.22	>=0.20	BCL3 (4.2)	NFE2L3 (3.2)	MAFF (2.9)
0.22	>=0.20	SUGP1 (4.6)	DHX38 (4.4)	PCIF1 (4.2)
0.23	>=0.20	ARID1A (3.4)	KDM3A (2.8)	PCIF1 (2.7)
0.23	>=0.20	CELF1 (3.9)	FNBP4 (3.5)	BUD13 (3.2)
0.23	>=0.20	NOP58 (5.5)	ZNF259 (4.6)	POLR1A (4.4)
0.23	>=0.20	DNAJC5G (3.5)	ENSG00000234945 (2	ENSG00000179523 (2
0.23	>=0.20	CCDC92 (3.8)	OST4 (3.7)	CETP (2.9)
0.23	>=0.20	POLR1A (4.9)	ZNF259 (4.2)	NOP58 (3.9)
0.23	>=0.20	ARID1A (5.0)	KDM3A (3.1)	PCIF1 (3.1)
0.23	>=0.20	C17orf105 (5.8)	C2orf53 (5.3)	PMFBP1 (3.6)
0.23	>=0.20	RSPO3 (2.9)	CYP26A1 (2.8)	G6PC3 (2.8)
0.23	>=0.20	BCL7B (3.0)	NRBP1 (2.8)	MTF2 (2.8)
0.23	>=0.20	TECTB (2.7)	SDC1 (2.6)	RASIP1 (2.5)
0.23	>=0.20	C11orf9 (4.0)	TRIM54 (3.9)	BNC2 (3.3)

0.23	>=0.20	BNC2 (3.5)	ENSG00000182319 (3	ARFGAP2 (2.6)
0.23	>=0.20	ATP13A1 (3.6)	IMMT (3.2)	SNX17 (3.1)
0.23	>=0.20	CYP26A1 (3.8)	PTPN13 (3.5)	PPY (3.4)
0.23	>=0.20	CYP26A1 (4.3)	ENSG00000254235 (3	C8orf49 (2.9)
0.23	>=0.20	ENSG00000256746 (3	TDH (2.6)	STRC (2.3)
0.23	>=0.20	CTSB (2.4)	ENSG00000256746 (2	UCN (2.1)
0.23	>=0.20	IMMT (3.1)	BCL3 (2.8)	C11orf49 (2.7)
0.23	>=0.20	ZNF513 (3.2)	ENSG00000226645 (3	AMBRA1 (2.5)
0.23	>=0.20	ZDHHC18 (2.7)	GMIP (2.6)	DOCK7 (2.2)
0.23	>=0.20	BMPR2 (7.2)	PVRL2 (3.3)	VEGFA (3.2)
0.23	>=0.20	FNBP4 (3.7)	DHX38 (3.0)	BUD13 (3.0)
0.23	>=0.20	SFN (6.3)	C1orf172 (6.1)	CBLC (5.1)
0.23	>=0.20	SFN (5.9)	CBLC (4.2)	BCL3 (3.2)
0.23	>=0.20	CYP26A1 (3.2)	KLF14 (2.4)	RSPO3 (2.4)
0.23	>=0.20	NOP58 (5.2)	ZNF259 (4.7)	POLR1A (4.5)
0.23	>=0.20	BLK (2.8)	IGF2R (2.5)	GMIP (2.4)
0.23	>=0.20	HDAC5 (3.0)	TIMD4 (2.7)	CETP (2.4)
0.23	>=0.20	MYBPC3 (5.5)	PPY (4.1)	FRMD5 (3.5)
0.23	>=0.20	C17orf105 (3.7)	PPY (2.9)	ENSG00000234945 (2
0.23	>=0.20	KLF14 (4.5)	NR0B2 (2.4)	ENSG00000223745 (2
0.23	>=0.20	MAFF (6.4)	TRIB1 (5.9)	CITED2 (3.3)
0.23	>=0.20	FNBP4 (3.9)	BUD13 (2.9)	USP1 (2.8)
0.23	>=0.20	SDC1 (3.2)	CYP26A1 (3.0)	BCAM (2.8)
0.23	>=0.20	ANGPTL4 (3.8)	HP (3.4)	EPB41L3 (2.9)
0.23	>=0.20	DHODH (4.2)	ATG4C (3.0)	CAD (2.9)
0.23	>=0.20	NOP58 (4.3)	POLR1A (3.3)	ZNF259 (2.7)
0.23	>=0.20	BUD13 (3.8)	CITED2 (2.5)	DR1 (2.4)
0.23	>=0.20	APOE (3.4)	EPB41L3 (2.9)	NR1H3 (2.9)
0.23	>=0.20	C2orf53 (2.7)	ENSG00000200241 (2	PIGV (2.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	CILP2 (5.1)	CYP26A1 (4.4)	SOST (3.5)
0.23	>=0.20	PREB (3.0)	MRPL35 (2.9)	NDUFS3 (2.9)
0.23	>=0.20	MAMSTR (3.4)	AMBRA1 (2.7)	KLF14 (2.5)
0.23	>=0.20	AFF1 (3.7)	SIK3 (3.2)	PACSIN3 (3.1)
0.23	>=0.20	TOMM40 (3.1)	PTCD3 (2.9)	EIF3J (2.5)
0.23	>=0.20	NOP58 (3.0)	OST4 (2.9)	NSMAF (2.7)
0.23	>=0.20	FZD9 (3.0)	ZNF513 (2.4)	LRP4 (2.4)
0.23	>=0.20	NOP58 (4.7)	ZNF259 (4.5)	TOMM40 (3.2)
0.23	>=0.20	C11orf9 (3.6)	RSPO3 (2.9)	VEGFA (2.7)
0.23	>=0.20	BLK (6.2)	ENSG00000182319 (3	COBLL1 (3.6)
0.23	>=0.20	PDIA3 (4.8)	ATP13A1 (4.3)	TMED5 (4.3)
0.23	>=0.20	KRTCAP3 (3.4)	ENSG00000254235 (3	ENSG00000179523 (3
0.23	>=0.20	TMEM214 (5.4)	TBL2 (3.9)	PREB (3.7)
0.23	>=0.20	KDM3A (4.4)	ARID1A (3.4)	GMIP (2.6)

0.23 >=0.20	C8orf49 (4.2)	APOA1 (3.6)	GATA4 (2.7)
0.23 >=0.20	PLTP (3.4)	CYP26A1 (2.3)	SDCBP (2.2)
0.23 >=0.20	LRP4 (4.0)	CITED2 (3.4)	TDH (3.4)
0.23 >=0.20	BLK (4.2)	HAVCR1 (2.9)	SIDT2 (2.6)
0.23 >=0.20	ZNF259 (2.5)	NOP58 (2.4)	TOMM40 (2.1)
0.23 >=0.20	MTF2 (3.3)	PTCD3 (3.2)	POLR1A (2.9)
0.23 >=0.20	MTF2 (3.3)	PTCD3 (3.2)	POLR1A (2.9)
0.23 >=0.20	CMIP (3.2)	MAPRE3 (2.4)	COBLL1 (2.2)
0.23 >=0.20	BCL3 (4.0)	HDAC5 (3.4)	MAU2 (3.0)
0.23 >=0.20	RFX4 (4.7)	FAM167A (3.4)	FZD9 (3.1)
0.23 >=0.20	TXNL4B (2.7)	DHODH (2.5)	TUBGCP4 (2.5)
0.23 >=0.20	BCL3 (3.7)	MAFF (2.6)	NFE2L3 (2.5)
0.23 >=0.20	AMBRA1 (4.5)	AGBL5 (3.1)	AFF1 (3.1)
0.23 >=0.20	ZNF664 (3.7)	IMMT (3.3)	DOCK7 (3.1)
0.23 >=0.20	CD300LG (2.9)	FADS2 (2.2)	PTPRJ (2.0)
0.23 >=0.20	LPL (6.6)	MLXIPL (4.4)	ANGPTL4 (3.8)
0.24 >=0.20	KDM3A (2.8)	MAFF (2.8)	MTF2 (2.5)
0.24 >=0.20	NOP58 (5.4)	ZNF259 (4.7)	POLR1A (3.7)
0.24 >=0.20	CYP26A1 (4.8)	RSPO3 (3.6)	SOST (3.3)
0.24 >=0.20	FNBP4 (4.1)	ARID1A (2.9)	BUD13 (2.8)
0.24 >=0.20	FNBP4 (3.0)	PCIF1 (2.7)	ABO (2.6)
0.24 >=0.20	MAFF (4.7)	TRIB1 (3.4)	BCL3 (3.2)
0.24 >=0.20	TRIM54 (4.9)	MAMSTR (4.8)	PACSIN3 (3.6)
0.24 >=0.20	C8orf49 (3.7)	NEIL2 (3.6)	GATA4 (3.3)
0.24 >=0.20	BAZ1B (3.5)	FNBP4 (3.4)	CMIP (3.4)
0.24 >=0.20	BCAM (3.2)	C11orf9 (2.8)	ENSG00000182319 (2
0.24 >=0.20	NOP58 (4.2)	POLR1A (3.9)	OST4 (3.4)
0.24 >=0.20	TSSK6 (2.7)	ENSG00000179523 (2	PMFBP1 (2.7)
0.24 >=0.20	JMJD1C (3.4)	KDM3A (2.8)	ARHGAP1 (2.4)
0.24 >=0.20	LPA (3.3)	TDH (3.0)	ABHD1 (2.9)
0.24 >=0.20	BLK (6.3)	MAFF (3.7)	CETP (3.5)
0.24 >=0.20	AMBRA1 (3.8)	ARID1A (3.3)	BAZ1B (3.2)
0.24 >=0.20	NSMAF (3.1)	CETP (3.0)	PMFBP1 (2.6)
0.24 >=0.20	FNBP4 (3.8)	NUP160 (3.4)	DR1 (3.4)
0.24 >=0.20	TMEM214 (6.1)	TBL2 (5.0)	G6PC3 (4.8)
0.24 >=0.20	SNX17 (2.9)	SUMO1 (2.6)	ARFGAP2 (2.6)
0.24 >=0.20	AGBL2 (2.7)	DNAH10 (2.7)	ENSG00000182329 (2
0.24 >=0.20	TRIB1 (6.4)	CITED2 (2.9)	MAFF (2.7)
0.24 >=0.20	C1orf172 (6.7)	CBLC (4.9)	PVRL2 (4.1)
0.24 >=0.20	PPY (5.8)	PYY (4.3)	MLXIPL (3.2)
0.24 >=0.20	TRIB1 (3.4)	NR0B2 (3.3)	CITED2 (2.6)
0.24 >=0.20	SFN (4.0)	CBLC (2.8)	TRIB1 (2.1)
0.24 >=0.20	TDH (3.2)	TM6SF2 (2.7)	ENSG00000234945 (2
0.24 >=0.20	SIK3 (3.0)	C11orf9 (2.9)	PACSIN3 (2.8)
0.24 >=0.20	NOP58 (4.9)	ZNF259 (4.6)	POLR1A (4.2)
0.24 >=0.20	SFN (2.5)	FADS2 (2.5)	KLF14 (2.5)
0.24 >=0.20	CBLC (6.7)	C1orf172 (5.8)	KRTCAP3 (4.1)
0.24 >=0.20	MYBPC3 (6.5)	FRMD5 (4.1)	TRIM54 (4.1)
0.24 >=0.20	DOCK6 (4.0)	NCAN (3.2)	RASIP1 (3.0)
0.24 >=0.20	C8orf49 (7.0)	GATA4 (3.2)	NR0B2 (2.7)

0.24	>=0.20	TIMD4 (5.1)	BLK (5.0)	CETP (2.6)
0.24	>=0.20	CYP26A1 (4.7)	PTPN13 (2.8)	ENSG00000182319 (2
0.24	>=0.20	FNBP4 (4.1)	DHX38 (3.6)	PCIF1 (3.5)
0.24	>=0.20	ZNF259 (4.7)	NOP58 (4.5)	POLR1A (4.5)
0.24	>=0.20	PPIP5K1 (3.2)	ATP13A1 (3.1)	MTCH2 (2.7)
0.24	>=0.20	AFF1 (4.4)	ARFGAP2 (3.1)	AGBL5 (2.8)
0.24	>=0.20	CAD (3.7)	NUP160 (3.2)	DOCK7 (3.0)
0.24	>=0.20	G6PC3 (5.9)	CLPTM1 (5.6)	ATP13A1 (4.6)
0.24	>=0.20	LRP4 (3.2)	GMIP (2.6)	KDM3A (2.5)
0.24	>=0.20	ZNF259 (4.3)	ZNF408 (3.4)	TOMM40 (3.2)
0.24	>=0.20	FNBP4 (3.4)	PCIF1 (3.3)	BUD13 (3.0)
0.24	>=0.20	COBLL1 (3.4)	NFE2L3 (3.3)	CETP (2.0)
0.24	>=0.20	PPY (5.3)	PYY (4.3)	MLXIPL (2.6)
0.24	>=0.20	CHMP3 (2.5)	CLPTM1 (2.5)	CMIP (2.5)
0.24	>=0.20	MPV17 (3.0)	EPB41L3 (2.3)	NRBF2 (2.2)
0.24	>=0.20	DOCK6 (3.8)	ENSG00000182319 (3	SDC1 (2.9)
0.24	>=0.20	HAPLN4 (3.8)	SLC30A3 (3.4)	CITED2 (3.1)
0.24	>=0.20	FADS1 (3.6)	C8orf12 (3.3)	DNAJC5G (3.0)
0.24	>=0.20	DPYSL5 (5.0)	NCAN (3.8)	MTMR9 (2.8)
0.24	>=0.20	ENSG00000256746 (3	DNAH10 (3.2)	GATA4 (2.6)
0.24	>=0.20	CAD (4.3)	SUGP1 (3.7)	POLR1A (3.1)
0.24	>=0.20	RIC8B (3.8)	MAFF (3.2)	BNC2 (3.2)
0.24	>=0.20	NOP58 (3.9)	OST4 (3.8)	FNBP4 (2.0)
0.24	>=0.20	IMMT (3.4)	PREB (3.1)	MPV17 (2.6)
0.24	>=0.20	CCDC121 (3.1)	C8orf49 (3.0)	CYP26A1 (2.7)
0.24	>=0.20	LINC00208 (3.3)	BCL3 (2.5)	FAM167A (2.1)
0.24	>=0.20	TP53BP1 (3.7)	ZNF408 (3.6)	NEIL2 (2.8)
0.24	>=0.20	RSPO3 (3.4)	PTPN13 (2.6)	BNC2 (2.3)
0.24	>=0.20	TAGLN (4.0)	EMILIN1 (3.4)	IGF2R (2.7)
0.24	>=0.20	TMEM214 (3.6)	PCSK7 (3.3)	TBL2 (3.2)
0.24	>=0.20	GMIP (3.7)	BLK (2.9)	SPG11 (2.4)
0.24	>=0.20	BLK (3.5)	KDM3A (3.1)	MAU2 (2.9)
0.24	>=0.20	BLK (3.5)	KDM3A (3.1)	MAU2 (2.9)
0.24	>=0.20	SFN (6.7)	SDC1 (5.0)	C1orf172 (4.0)
0.24	>=0.20	CILP2 (8.8)	FZD9 (4.9)	CGREF1 (2.7)
0.24	>=0.20	POLR1A (5.0)	NOP58 (4.6)	ZNF259 (4.6)
0.24	>=0.20	TP53BP1 (3.4)	CTDSPL2 (2.8)	MFAP1 (2.8)
0.24	>=0.20	KDM3A (3.6)	C17orf105 (3.1)	TBL2 (2.7)
0.24	>=0.20	POLR1A (4.1)	NOP58 (4.0)	ZNF259 (3.9)
0.24	>=0.20	CTSB (2.8)	GTF3C2 (2.6)	MAU2 (2.2)
0.24	>=0.20	EMILIN1 (3.3)	BNC2 (3.2)	BCAM (2.8)
0.24	>=0.20	ENSG00000179523 (2	SLC22A3 (2.1)	ENSG00000182319 (2
0.24	>=0.20	NOP58 (5.3)	ZNF259 (4.5)	EIF3J (3.0)
0.24	>=0.20	ACP2 (3.1)	NRBP1 (3.1)	ARHGAP1 (3.0)
0.24	>=0.20	CELF1 (3.8)	CAD (3.6)	FNBP4 (3.2)
0.25	>=0.20	CMIP (3.2)	ZNF664 (3.1)	PAFAH1B2 (2.7)
0.25	>=0.20	BNC2 (3.2)	LRP4 (2.9)	PTPN13 (2.9)
0.25	>=0.20	TM6SF2 (3.6)	C2orf53 (3.6)	FGF21 (3.0)
0.25	>=0.20	CILP2 (3.6)	FZD9 (3.0)	LRP4 (2.8)
0.25	>=0.20	ARID1A (4.4)	JMJD1C (4.3)	NRBF2 (3.2)

0.25 >=0.20	VEGFA (4.5)	PDIA3 (4.4)	KDM3A (2.4)
0.25 >=0.20	NOP58 (4.3)	ZNF259 (3.6)	POLR1A (2.8)
0.25 >=0.20	C1orf172 (4.1)	TAGLN (3.9)	SFN (3.3)
0.25 >=0.20	TECTB (2.5)	NR1H3 (2.4)	KHK (2.4)
0.25 >=0.20	FNBP4 (4.7)	NOP58 (3.2)	PPM1G (2.9)
0.25 >=0.20	SDCBP (3.3)	TAGLN (3.1)	SNX17 (2.7)
0.25 >=0.20	RIC8B (2.8)	TP53BP1 (2.6)	AFF1 (2.5)
0.25 >=0.20	AFF1 (3.0)	TRIB1 (2.9)	VEGFA (2.6)
0.25 >=0.20	FADS1 (9.4)	FDFT1 (8.6)	FADS2 (8.5)
0.25 >=0.20	LRP4 (4.2)	DPYSL5 (3.4)	CYP26A1 (3.2)
0.25 >=0.20	MPV17 (4.7)	KDM3A (4.4)	BRE (3.1)
0.25 >=0.20	CETP (5.2)	RBKS (2.5)	ENSG00000256731 (2
0.25 >=0.20	LPA (3.8)	CYP7A1 (3.7)	SLC22A1 (3.3)
0.25 >=0.20	KLF14 (3.3)	MAPK10 (2.8)	ABHD1 (2.3)
0.25 >=0.20	C11orf9 (4.6)	CCDC121 (2.7)	BNC2 (2.5)
0.25 >=0.20	PTCD3 (3.2)	ZNF259 (3.2)	MPV17 (2.8)
0.25 >=0.20	ABO (3.1)	LSM12 (2.7)	SDCBP (2.5)
0.25 >=0.20	CTSB (4.8)	CLPTM1 (3.4)	SIDT2 (3.4)
0.25 >=0.20	C11orf9 (3.0)	PACSIN3 (2.9)	SIK3 (2.8)
0.25 >=0.20	NAGS (3.3)	KDM3A (3.2)	TMEM101 (3.0)
0.25 >=0.20	KLF14 (2.8)	C1QTNF4 (2.6)	BNC2 (2.4)
0.25 >=0.20	DNAJC5G (3.3)	APOA4 (3.3)	C1orf172 (2.9)
0.25 >=0.20	DDB2 (4.6)	FEN1 (3.3)	WDR76 (2.8)
0.25 >=0.20	TIMD4 (3.8)	PLTP (3.5)	AFF1 (2.7)
0.25 >=0.20	DUSP3 (3.0)	TRNP1 (2.8)	DOCK6 (2.8)
0.25 >=0.20	EPB41L3 (3.8)	FUT2 (3.0)	COBLL1 (2.7)
0.25 >=0.20	MAFF (4.0)	TRIB1 (3.5)	BCL3 (2.9)
0.25 >=0.20	GTF3C2 (4.2)	FNBP4 (4.0)	KDM3A (2.7)
0.25 >=0.20	TMEM214 (5.5)	ATG13 (4.3)	NRBP1 (3.4)
0.25 >=0.20	RASIP1 (3.1)	C2orf16 (2.6)	DOCK6 (2.6)
0.25 >=0.20	TOMM40 (3.4)	ZNF259 (3.3)	PPM1G (3.2)
0.25 >=0.20	TOMM40 (3.4)	ZNF259 (3.3)	PPM1G (3.2)
0.25 >=0.20	TOMM40 (3.4)	ZNF259 (3.3)	PPM1G (3.2)
0.25 >=0.20	NOP58 (3.6)	POLR1A (3.1)	DHX38 (2.5)
0.25 >=0.20	ENSG00000257711 (3	ENSG00000256746 (3	TECTB (3.0)
0.25 >=0.20	KDM3A (3.4)	BLK (3.1)	GMIP (2.7)
0.25 >=0.20	ENSG00000226645 (2	CBLC (2.5)	C1orf172 (2.3)
0.25 >=0.20	CSGALNACT1 (2.4)	ANGPTL4 (2.2)	TRIB1 (2.1)
0.25 >=0.20	BCL3 (5.9)	MAFF (4.4)	BCL7B (3.0)
0.25 >=0.20	C11orf49 (2.9)	SUMO1 (2.4)	TIMD4 (2.2)
0.25 >=0.20	FZD9 (5.6)	CILP2 (3.8)	TBL2 (2.6)
0.25 >=0.20	ENSG00000253379 (5	LRP4 (5.4)	BCAM (3.9)
0.25 >=0.20	TAGLN (3.3)	CHMP3 (2.3)	ARHGAP1 (2.2)
0.25 >=0.20	LINC00208 (2.4)	RASIP1 (2.3)	ENSG00000257711 (2
0.25 >=0.20	NAT2 (2.5)	TM6SF2 (2.5)	CYP7A1 (2.0)
0.25 >=0.20	PPY (5.6)	PYY (5.1)	RIC8B (2.8)
0.25 >=0.20	TECTB (3.4)	RBKS (3.1)	AFF1 (2.9)
0.25 >=0.20	MAPRE3 (3.3)	CHMP3 (3.3)	NCAN (3.0)
0.25 >=0.20	BLK (4.6)	NSMAF (3.2)	GMIP (2.8)
0.25 >=0.20	BLK (8.5)	TIMD4 (3.3)	GMIP (3.3)

0.25	>=0.20	RASIP1 (4.0)	CSGALNACT1 (3.0)	CMIP (2.9)
0.25	>=0.20	FZD9 (4.5)	RSPO3 (2.5)	SLC30A3 (2.4)
0.25	>=0.20	IMMT (6.2)	MTCH2 (5.1)	NDUFS3 (4.5)
0.25	>=0.20	PVRL2 (3.1)	ENSG00000182319 (2	CYP26A1 (2.4)
0.25	>=0.20	C1orf172 (6.2)	CBLC (5.8)	KRTCAP3 (4.0)
0.25	>=0.20	PTPRJ (2.6)	UCN (2.4)	DUSP3 (2.0)
0.25	>=0.20	NFE2L3 (3.0)	TIMD4 (2.5)	KLF14 (2.2)
0.25	>=0.20	SDC1 (2.8)	COBLL1 (2.8)	PTPN13 (2.6)
0.25	>=0.20	SDC1 (3.5)	VEGFA (3.3)	DOCK6 (2.8)
0.25	>=0.20	SOST (3.3)	CILP2 (3.3)	BCAM (2.8)
0.25	>=0.20	MTCH2 (4.9)	TOMM40 (4.2)	EIF2B4 (3.8)
0.25	>=0.20	PCIF1 (3.7)	AMBRA1 (3.1)	ZNF335 (2.9)
0.25	>=0.20	TAGLN (3.7)	LINC00208 (2.8)	IGF2R (2.4)
0.25	>=0.20	PPY (4.2)	PLTP (2.8)	C2orf28 (2.7)
0.25	>=0.20	CTSB (2.7)	UCN (2.7)	ENSG00000255020 (2
0.25	>=0.20	BCL3 (4.1)	NFE2L3 (3.2)	FNBP4 (2.8)
0.25	>=0.20	ENSG00000226645 (4	TRIB1 (4.0)	CITED2 (3.3)
0.25	>=0.20	NOP58 (5.5)	ZNF259 (5.2)	POLR1A (4.3)
0.25	>=0.20	PAFAH1B2 (3.8)	ARFGAP2 (3.2)	HDAC5 (3.2)
0.25	>=0.20	BCL3 (4.9)	MAFF (2.9)	NFE2L3 (2.7)
0.25	>=0.20	PVRL2 (3.3)	BCAM (2.8)	BMPR2 (2.3)
0.26	>=0.20	C11orf9 (3.5)	RASIP1 (3.3)	BCAM (3.1)
0.26	>=0.20	PTPN13 (3.0)	COBLL1 (2.8)	BNC2 (2.7)
0.26	>=0.20	ENSG00000253379 (6	TECTB (4.1)	SOST (2.9)
0.26	>=0.20	NDUFS3 (4.8)	MRPL35 (3.6)	PTPMT1 (3.0)
0.26	>=0.20	AMBRA1 (4.2)	ZNF335 (3.2)	AFF1 (3.2)
0.26	>=0.20	POLR1A (4.7)	NOP58 (4.7)	ZNF259 (4.6)
0.26	>=0.20	FNBP4 (3.8)	SUGP1 (3.6)	DHX38 (3.6)
0.26	>=0.20	TOMM40 (4.9)	DHODH (4.6)	MRPL35 (4.1)
0.26	>=0.20	ATG4C (2.7)	IFT172 (2.5)	CTDSPL2 (2.4)
0.26	>=0.20	BUD13 (4.3)	KBTBD4 (4.2)	PCIF1 (4.0)
0.26	>=0.20	BLK (3.6)	CMIP (3.0)	MTMR9 (2.8)
0.26	>=0.20	FNDC4 (4.5)	COBLL1 (2.7)	ENSG00000256731 (2
0.26	>=0.20	SOST (3.2)	ENSG00000222035 (2	C8orf12 (2.8)
0.26	>=0.20	IMMT (3.4)	BCL3 (3.3)	MAFF (3.0)
0.26	>=0.20	ENSG00000254235 (4	SLC22A1 (3.0)	AGBL2 (2.9)
0.26	>=0.20	KHK (6.6)	TM6SF2 (3.8)	APOA4 (3.4)
0.26	>=0.20	CBLC (5.6)	C1orf172 (5.3)	KRTCAP3 (3.5)
0.26	>=0.20	SFN (7.7)	C1orf172 (4.9)	CBLC (4.3)
0.26	>=0.20	RASIP1 (3.3)	DOCK6 (3.0)	TAGLN (2.0)
0.26	>=0.20	KDM3A (3.7)	C17orf105 (3.3)	TBL2 (2.8)
0.26	>=0.20	RSPO3 (2.7)	KLF14 (2.7)	FAM167A (2.6)
0.26	>=0.20	ENSG00000254235 (5	ENSG00000234945 (3	CYP7A1 (3.3)
0.26	>=0.20	BNC2 (3.6)	SDC1 (3.5)	FAM167A (3.4)
0.26	>=0.20	FNBP4 (3.8)	NUP160 (3.3)	BUD13 (3.1)
0.26	>=0.20	C8orf49 (4.0)	APOA1 (2.5)	FUT2 (2.5)
0.26	>=0.20	C1orf172 (6.5)	CBLC (4.5)	PVRL2 (4.1)
0.26	>=0.20	BCL3 (4.0)	NFE2L3 (3.7)	PGS1 (2.7)
0.26	>=0.20	FNBP4 (4.4)	BUD13 (3.3)	SUGP1 (3.2)
0.26	>=0.20	UBXN2B (4.0)	ANGPTL3 (3.1)	APOC4 (3.0)

0.26	>=0.20	EIF3J (3.7)	TUBGCP4 (2.9)	MFAP1 (2.7)
0.26	>=0.20	MAFF (5.2)	TRIB1 (4.2)	BCL3 (2.6)
0.26	>=0.20	DHX38 (4.5)	PCIF1 (3.6)	SUGP1 (3.4)
0.26	>=0.20	C1QTNF4 (2.4)	RSPO3 (2.4)	MADD (2.2)
0.26	>=0.20	KHK (5.1)	SLC5A6 (3.5)	ATP13A1 (3.4)
0.26	>=0.20	ARID1A (4.6)	BAZ1B (4.1)	BUD13 (2.8)
0.26	>=0.20	NUP160 (3.8)	GTF3C2 (3.6)	CAD (3.4)
0.26	>=0.20	ENSG00000254235 (5	CYP7A1 (3.7)	SLC22A1 (3.4)
0.26	>=0.20	ENSG00000254235 (5	CYP7A1 (3.7)	SLC22A1 (3.4)
0.26	>=0.20	ENSG00000254235 (5	CYP7A1 (3.7)	SLC22A1 (3.4)
0.26	>=0.20	IMMT (2.5)	TMED5 (2.0)	CATSPER2 (1.9)
0.26	>=0.20	NR0B2 (2.5)	ENSG00000236827 (2	NAT2 (2.3)
0.26	>=0.20	LPAR2 (2.6)	PGS1 (2.5)	AGBL2 (2.5)
0.26	>=0.20	DHX38 (4.6)	SUGP1 (3.9)	CAD (3.7)
0.26	>=0.20	SUPT7L (3.9)	PTCD3 (3.8)	NRBF2 (3.4)
0.26	>=0.20	PCSK7 (3.4)	AFF1 (3.3)	PVRL2 (3.1)
0.26	>=0.20	FZD9 (6.4)	CILP2 (6.3)	RSPO3 (3.1)
0.26	>=0.20	PPY (3.4)	ABO (3.2)	HAPLN4 (3.1)
0.26	>=0.20	PPY (3.4)	ABO (3.2)	HAPLN4 (3.1)
0.26	>=0.20	FDFT1 (3.0)	MTCH2 (2.2)	DOCK6 (2.1)
0.26	>=0.20	BCL3 (4.1)	MAFF (3.9)	NFE2L3 (3.0)
0.26	>=0.20	CAD (3.6)	DHX38 (3.3)	ATP13A1 (2.7)
0.26	>=0.20	MAMSTR (4.2)	TRIM54 (3.2)	KLF14 (3.1)
0.26	>=0.20	ARID1A (4.4)	DR1 (3.2)	CTDSPL2 (3.2)
0.26	>=0.20	ZDHHC18 (4.1)	BCL3 (3.8)	PBX4 (3.6)
0.26	>=0.20	SIK3 (3.3)	LPAR2 (3.2)	C11orf9 (2.7)
0.26	>=0.20	NRBF2 (3.6)	AGBL5 (3.5)	RBKS (2.9)
0.26	>=0.20	IMMT (2.5)	CGREF1 (2.0)	CATSPER2 (1.9)
0.26	>=0.20	NCAN (2.8)	MAPK10 (2.6)	SDCBP (2.6)
0.26	>=0.20	EMILIN1 (3.6)	HAVCR1 (3.4)	IGF2R (3.0)
0.26	>=0.20	SFN (3.8)	ZNF664 (3.0)	C1orf172 (2.6)
0.26	>=0.20	USP1 (3.9)	CTDSPL2 (2.8)	BAZ1B (2.8)
0.26	>=0.20	CBLC (6.1)	C1orf172 (6.0)	SFN (3.9)
0.26	>=0.20	C1orf172 (2.1)	REEP3 (2.0)	ZNF335 (1.9)
0.26	>=0.20	DOCK7 (2.7)	ENSG00000223745 (2	PLTP (2.6)
0.26	>=0.20	PLA2G6 (3.4)	IGF2R (3.1)	CGREF1 (2.8)
0.26	>=0.20	NCAN (3.6)	C11orf9 (3.2)	RFX4 (3.0)
0.26	>=0.20	GMIP (3.9)	BLK (3.1)	ENSG00000182319 (3
0.26	>=0.20	DPYSL5 (5.1)	ENSG00000253379 (3	EPB41L3 (2.5)
0.26	>=0.20	CCDC18 (2.8)	TMEM101 (2.6)	CTDSPL2 (2.6)
0.26	>=0.20	CBLC (6.6)	C1orf172 (6.5)	SFN (4.5)
0.26	>=0.20	SUGP1 (4.2)	DHX38 (4.0)	PCIF1 (3.9)
0.26	>=0.20	ARID1A (5.0)	PCIF1 (3.2)	KDM3A (3.1)
0.26	>=0.20	PDIA3 (5.1)	CATSPER2 (3.2)	TBL2 (3.1)
0.26	>=0.20	RASIP1 (3.9)	DOCK6 (3.2)	IGF2R (3.0)
0.26	>=0.20	TMEM101 (3.9)	MRPL33 (3.4)	OST4 (3.1)
0.26	>=0.20	RFX4 (4.6)	NCAN (4.2)	FRMD5 (3.1)
0.26	>=0.20	PTPN13 (3.2)	CYP26A1 (2.7)	ENSG00000253379 (2
0.26	>=0.20	POLR1A (3.6)	IGF2R (3.4)	CAD (3.2)
0.26	>=0.20	ZDHHC18 (4.0)	NFE2L3 (3.5)	BCL3 (3.3)

0.26	>=0.20	BCL3 (6.5)	MAFF (5.3)	NFE2L3 (3.8)
0.26	>=0.20	ENSG00000182319 (2	PTPN13 (2.7)	PVRL2 (2.7)
0.26	>=0.20	NOP58 (5.6)	ZNF259 (5.1)	POLR1A (4.3)
0.26	>=0.20	CTSB (3.6)	APOE (3.0)	PLTP (2.9)
0.26	>=0.20	MTMR9 (5.3)	NEIL2 (3.7)	FDFT1 (3.4)
0.26	>=0.20	BLK (5.6)	NSMAF (2.7)	CYP26A1 (2.4)
0.26	>=0.20	BLK (3.9)	GMIP (3.0)	BCL3 (2.4)
0.26	>=0.20	HAVCR1 (5.5)	KHK (5.4)	TM6SF2 (4.6)
0.26	>=0.20	HAVCR1 (3.1)	PTPRJ (2.8)	NFE2L3 (2.5)
0.26	>=0.20	PCIF1 (2.8)	KBTBD4 (2.7)	JMJD1C (2.5)
0.26	>=0.20	RASIP1 (6.2)	DOCK6 (4.0)	CD300LG (3.7)
0.26	>=0.20	LRP4 (3.2)	CYP26A1 (3.1)	CILP2 (2.5)
0.27	>=0.20	TECTB (6.1)	LRP4 (4.7)	FZD9 (4.0)
0.27	>=0.20	CBLC (3.5)	MTMR9 (3.4)	CMIP (2.8)
0.27	>=0.20	KLF14 (6.1)	MAMSTR (3.2)	STRC (2.3)
0.27	>=0.20	CILP2 (3.1)	SDC1 (3.1)	EMILIN1 (3.0)
0.27	>=0.20	CYP26A1 (3.8)	RSPO3 (2.6)	CCDC121 (2.5)
0.27	>=0.20	GALNT2 (3.4)	CTSB (2.3)	CSGALNACT1 (2.2)
0.27	>=0.20	ARID1A (4.1)	CELF1 (3.9)	BUD13 (2.6)
0.27	>=0.20	SIDT2 (3.8)	TBL2 (3.7)	ATP13A1 (3.2)
0.27	>=0.20	FZD9 (2.9)	PPY (2.2)	CYP26A1 (2.1)
0.27	>=0.20	NR0B2 (3.0)	FGF21 (2.9)	LPAR2 (2.7)
0.27	>=0.20	POLR1A (5.5)	CAD (4.6)	NOP58 (4.2)
0.27	>=0.20	FNDC4 (3.0)	C11orf9 (2.6)	FRMD5 (2.2)
0.27	>=0.20	RIC8B (3.0)	CHMP3 (2.7)	TAGLN (2.5)
0.27	>=0.20	TMEM214 (7.0)	ATG13 (5.6)	ARHGAP1 (4.5)
0.27	>=0.20	ZNF664 (3.1)	SPG11 (3.0)	GPAM (2.8)
0.27	>=0.20	TIMD4 (2.8)	ACP2 (2.5)	TDH (1.9)
0.27	>=0.20	CTSB (2.9)	NFE2L3 (2.8)	BCL3 (2.0)
0.27	>=0.20	NOP58 (4.2)	ZNF259 (3.4)	OST4 (2.8)
0.27	>=0.20	CCDC121 (4.0)	ENSG00000256731 (3	ENSG00000257711 (2
0.27	>=0.20	AFF1 (3.1)	GPAM (3.1)	SIK3 (3.0)
0.27	>=0.20	MYBPC3 (4.7)	KANK2 (3.6)	GATA4 (3.4)
0.27	>=0.20	NUP160 (4.0)	CAD (3.6)	POLR1A (3.1)
0.27	>=0.20	ATG13 (4.4)	BCL7B (3.7)	TBL2 (3.7)
0.27	>=0.20	BCAM (3.1)	VEGFA (3.0)	FZD9 (2.0)
0.27	>=0.20	CETP (3.7)	HDAC5 (3.1)	MAPRE3 (2.6)
0.27	>=0.20	JMJD1C (3.3)	CD300LG (3.0)	GMIP (2.8)
0.27	>=0.20	MTCH2 (4.1)	EIF2B4 (3.5)	NDUFS3 (3.4)
0.27	>=0.20	PTPN13 (2.3)	BLK (2.1)	ZDHHC18 (2.1)
0.27	>=0.20	MTMR9 (3.7)	CSGALNACT1 (2.6)	DNAJC5G (2.5)
0.27	>=0.20	ZNF259 (5.4)	NOP58 (5.3)	POLR1A (4.7)
0.27	>=0.20	TMEM214 (5.6)	PREB (4.0)	EIF3J (3.3)
0.27	>=0.20	KDM3A (3.4)	BLK (3.0)	MAU2 (2.7)
0.27	>=0.20	NUP160 (3.8)	GTF3C2 (3.4)	CAD (3.3)
0.27	>=0.20	APOA4 (5.7)	TM6SF2 (5.1)	NAT2 (3.5)
0.27	>=0.20	NOP58 (3.2)	FNBP4 (3.2)	BUD13 (2.9)
0.27	>=0.20	NOP58 (3.2)	FNBP4 (3.2)	BUD13 (2.9)
0.27	>=0.20	NOP58 (3.2)	FNBP4 (3.2)	BUD13 (2.9)
0.27	>=0.20	CCDC92 (2.3)	CMIP (2.2)	FADS1 (2.2)

0.27 >=0.20	RBKS (2.7)	NFE2L3 (2.7)	GMIP (2.3)
0.27 >=0.20	ATG13 (3.3)	NAGS (3.1)	NAT2 (3.0)
0.27 >=0.20	BAZ1B (4.3)	ARID1A (4.1)	MADD (3.1)
0.27 >=0.20	LSM12 (3.8)	MAFF (2.6)	DNAJC5G (2.4)
0.27 >=0.20	MAFF (4.7)	TRIB1 (3.9)	BCL3 (3.1)
0.27 >=0.20	MAFF (4.7)	TRIB1 (3.9)	BCL3 (3.1)
0.27 >=0.20	MAFF (4.7)	TRIB1 (3.9)	BCL3 (3.1)
0.27 >=0.20	RASIP1 (7.6)	DOCK6 (5.1)	BCAM (3.5)
0.27 >=0.20	PREB (2.9)	TMED5 (2.7)	FNDC4 (2.5)
0.27 >=0.20	MAFF (4.2)	TRIB1 (3.7)	BCL3 (3.1)
0.27 >=0.20	MAFF (4.2)	TRIB1 (3.7)	BCL3 (3.1)
0.27 >=0.20	MAMSTR (3.5)	BMPR2 (3.5)	HDAC5 (2.9)
0.27 >=0.20	TXNL4B (4.1)	PREB (2.9)	ZNF259 (2.9)
0.27 >=0.20	MYBPC3 (7.4)	TRIM54 (5.5)	FRMD5 (3.6)
0.27 >=0.20	NOP58 (4.5)	POLR1A (4.2)	ZNF259 (4.0)
0.27 >=0.20	BLK (4.8)	ENSG00000182319 (2	KLF14 (2.8)
0.27 >=0.20	SDC1 (3.6)	TAGLN (3.5)	DOCK6 (3.0)
0.27 >=0.20	BLK (3.5)	KDM3A (3.2)	MAU2 (2.8)
0.27 >=0.20	C2orf53 (3.5)	SLC22A1 (3.4)	ANGPTL3 (3.4)
0.27 >=0.20	ATG4C (3.1)	CELF1 (2.8)	C8orf12 (2.7)
0.27 >=0.20	ZNF259 (5.4)	NOP58 (5.4)	POLR1A (3.9)
0.27 >=0.20	POLR1A (4.1)	CAD (4.1)	ZNF259 (3.9)
0.27 >=0.20	ABO (3.7)	GALNT2 (3.0)	NCAN (2.8)
0.27 >=0.20	DOCK7 (3.3)	BMPR2 (3.2)	PTPN13 (3.0)
0.27 >=0.20	C1orf172 (5.7)	CBLC (5.6)	SFN (3.8)
0.27 >=0.20	SLC30A3 (3.6)	MAFF (2.6)	TRIB1 (2.5)
0.27 >=0.20	FZD9 (4.6)	CILP2 (4.1)	CYP26A1 (3.6)
0.27 >=0.20	MRPL35 (4.2)	PTCD3 (2.8)	LPL (2.6)
0.27 >=0.20	GMIP (2.8)	ENSG00000182319 (2	BLK (2.3)
0.27 >=0.20	KANK2 (4.0)	BMPR2 (3.4)	SLC22A3 (2.7)
0.27 >=0.20	SUGP1 (3.5)	DHX38 (3.3)	GPN1 (3.2)
0.27 >=0.20	ATG13 (2.8)	CSGALNACT1 (2.7)	FGF21 (2.6)
0.27 >=0.20	BLK (8.3)	PPIP5K1 (2.3)	IGF2R (2.2)
0.27 >=0.20	ABHD1 (2.9)	KHK (2.8)	HAPLN4 (2.7)
0.27 >=0.20	MAFF (4.7)	TRIB1 (3.1)	BCL3 (3.0)
0.27 >=0.20	CBLC (4.4)	C1orf172 (4.2)	PAFAH1B2 (3.2)
0.27 >=0.20	PVRL2 (3.5)	BNC2 (3.4)	SLC30A3 (2.4)
0.27 >=0.20	CSGALNACT1 (3.3)	UCN (3.2)	ENSG00000226645 (3
0.27 >=0.20	ATP13A1 (3.6)	CAD (3.5)	ZNF335 (3.3)
0.27 >=0.20	NFE2L3 (3.1)	BCL3 (2.7)	ABCA1 (2.4)
0.27 >=0.20	CILP2 (4.1)	CASC4 (3.2)	DNAH10 (2.4)
0.27 >=0.20	RASIP1 (4.7)	DOCK6 (4.2)	TAGLN (3.4)
0.27 >=0.20	EMILIN1 (3.5)	BNC2 (2.9)	FZD9 (2.6)
0.27 >=0.20	BCL3 (3.5)	FNBP4 (2.4)	ABCA1 (2.0)
0.27 >=0.20	SFN (7.7)	CBLC (3.7)	RASIP1 (2.6)
0.28 >=0.20	PPY (10.7)	PYY (4.7)	RFX4 (3.0)
0.28 >=0.20	NOP58 (4.7)	ZNF259 (3.5)	POLR1A (3.3)
0.28 >=0.20	BMPR2 (3.6)	CMIP (2.6)	DNAH10 (2.3)
0.28 >=0.20	ARID1A (5.0)	PCIF1 (3.4)	KDM3A (3.1)
0.28 >=0.20	RASIP1 (5.8)	DOCK6 (4.4)	BCAM (3.2)

0.28 >=0.20	DOCK6 (4.0)	RASIP1 (4.0)	BMPR2 (3.9)
0.28 >=0.20	PPY (3.8)	RASIP1 (3.2)	CSGALNACT1 (2.9)
0.28 >=0.20	RFX4 (5.2)	NCAN (4.0)	LRP4 (3.4)
0.28 >=0.20	GMIP (3.3)	PGS1 (3.2)	BLK (2.4)
0.28 >=0.20	NAT2 (1.9)	GATA4 (1.9)	KLF14 (1.9)
0.28 >=0.20	BLK (8.8)	GMIP (3.8)	TIMD4 (2.5)
0.28 >=0.20	C2orf28 (3.9)	SNX17 (3.1)	AGBL5 (3.1)
0.28 >=0.20	C2orf28 (3.9)	SNX17 (3.1)	AGBL5 (3.1)
0.28 >=0.20	FNBP4 (4.0)	DHX38 (2.9)	BUD13 (2.8)
0.28 >=0.20	MAFF (4.1)	BCL3 (3.1)	HARBI1 (2.8)
0.28 >=0.20	TIMD4 (5.5)	PLTP (3.8)	SDCBP (2.9)
0.28 >=0.20	BLK (9.0)	GMIP (3.8)	SIK3 (2.2)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	USP1 (2.9)	POLR1A (2.6)	TOMM40 (2.6)
0.28 >=0.20	PREB (3.9)	EIF2B4 (3.9)	NRBP1 (3.7)
0.28 >=0.20	CAD (3.9)	PTCD3 (3.8)	POLR1A (3.8)
0.28 >=0.20	CBLC (4.5)	KRTCAP3 (3.6)	C1orf172 (3.5)
0.28 >=0.20	AMBRA1 (4.4)	AGBL5 (3.8)	AFF1 (3.3)
0.28 >=0.20	NDUFS3 (3.4)	PTPMT1 (3.3)	CAD (3.2)
0.28 >=0.20	NAT2 (4.1)	APOA4 (3.7)	KHK (3.7)
0.28 >=0.20	BCL3 (6.0)	MAFF (3.9)	PTPRJ (3.1)
0.28 >=0.20	ENSG00000226645 (3	SLC30A3 (3.0)	ABO (2.6)
0.28 >=0.20	BNC2 (2.5)	DNAJC5G (2.5)	JMJD1C (2.3)
0.28 >=0.20	TMEM214 (4.1)	MYBPC3 (3.6)	TRIM54 (3.2)
0.28 >=0.20	DPYSL5 (4.5)	PPY (3.1)	RFX4 (2.9)
0.28 >=0.20	NOP58 (5.4)	ZNF259 (4.9)	POLR1A (4.5)
0.28 >=0.20	NDUFS3 (4.1)	PTPMT1 (3.3)	MTCH2 (3.2)
0.28 >=0.20	SDC1 (3.4)	RSPO3 (3.4)	SOST (3.2)
0.28 >=0.20	MAFF (4.8)	VEGFA (3.8)	FGF21 (3.5)
0.28 >=0.20	CLPTM1 (4.0)	ACP2 (3.4)	CTSB (3.4)
0.28 >=0.20	SDCBP (3.3)	ARHGAP1 (2.9)	MFAP1 (2.6)
0.28 >=0.20	KLF14 (4.1)	ENSG00000236827 (2	AFF1 (2.5)
0.28 >=0.20	C11orf9 (2.8)	LPAR2 (2.6)	AFF1 (2.6)
0.28 >=0.20	DHX38 (4.4)	GPN1 (3.7)	PCIF1 (3.6)
0.28 >=0.20	SFN (5.9)	CBLC (3.9)	C1orf172 (3.4)
0.28 >=0.20	ZNF259 (5.1)	NOP58 (4.8)	POLR1A (4.0)
0.28 >=0.20	NOP58 (3.6)	POLR1A (3.3)	ZNF259 (2.5)
0.28 >=0.20	REEP1 (3.2)	KRTCAP3 (2.9)	APOA4 (2.8)

0.28	>=0.20	FNBP4 (5.5)	CELF1 (3.3)	BUD13 (2.9)
0.28	>=0.20	LINC00208 (3.6)	ENSG00000222035 (2	ZNF513 (2.2)
0.28	>=0.20	ENSG00000236267 (4	AGBL2 (2.2)	ANGPTL4 (2.1)
0.28	>=0.20	EIF3J (3.7)	PDIA3 (2.8)	PTCD3 (2.7)
0.28	>=0.20	CMIP (3.5)	C8orf12 (3.0)	CBLC (2.8)
0.28	>=0.20	NRBF2 (3.7)	PGS1 (3.7)	TECTB (2.7)
0.28	>=0.20	FZD9 (6.1)	CILP2 (5.6)	TAGLN (2.3)
0.28	>=0.20	LRP4 (3.8)	RFX4 (2.6)	BCAM (2.6)
0.28	>=0.20	AFF1 (2.6)	BRE (2.4)	LPAR2 (2.4)
0.28	>=0.20	TOMM40 (4.3)	POLR1A (3.4)	PTCD3 (2.8)
0.28	>=0.20	BCL3 (4.6)	MAFF (3.8)	SDCBP (2.8)
0.28	>=0.20	LPAR2 (3.2)	GMIP (3.1)	CMIP (2.4)
0.28	>=0.20	POLR1A (4.4)	NOP58 (4.1)	TOMM40 (3.8)
0.28	>=0.20	FNBP4 (3.8)	BUD13 (3.5)	NUP160 (3.5)
0.28	>=0.20	FZD9 (3.4)	ENSG00000253379 (2	CYP26A1 (2.4)
0.28	>=0.20	FZD9 (7.0)	CILP2 (5.8)	KLF14 (3.6)
0.28	>=0.20	BLK (3.1)	C2orf16 (2.9)	TIMD4 (2.6)
0.28	>=0.20	EIF2B4 (4.6)	EIF3J (4.0)	MTCH2 (3.2)
0.28	>=0.20	ENSG00000253379 (2	RSPO3 (2.6)	PTPN13 (2.4)
0.28	>=0.20	TXNL4B (3.2)	DHX38 (3.1)	PTCD3 (2.8)
0.28	>=0.20	NOP58 (4.0)	PTCD3 (3.3)	ZNF259 (3.2)
0.28	>=0.20	KLF14 (3.6)	AFF1 (2.8)	TDH (2.3)
0.28	>=0.20	CTSB (2.7)	UCN (2.3)	ENSG00000256746 (1
0.28	>=0.20	ENSG00000226645 (3	ENSG00000223522 (3	FADS2 (2.9)
0.28	>=0.20	NOP58 (5.4)	ZNF259 (4.8)	POLR1A (4.6)
0.28	>=0.20	BCL3 (3.7)	ZDHHC18 (3.4)	GMIP (3.0)
0.28	>=0.20	FNBP4 (4.9)	BUD13 (3.9)	MTF2 (3.8)
0.29	>=0.20	NDUFS3 (3.7)	ARHGAP1 (2.8)	HARBI1 (2.7)
0.29	>=0.20	BMPR2 (6.0)	RSPO3 (2.6)	GATA4 (2.6)
0.29	>=0.20	MADD (2.9)	CMIP (2.6)	HDAC5 (2.4)
0.29	>=0.20	FNBP4 (3.8)	DHX38 (3.6)	BUD13 (2.9)
0.29	>=0.20	KDM3A (3.4)	BCL7B (3.2)	MAPRE3 (2.7)
0.29	>=0.20	CLPTM1 (2.2)	ABO (1.9)	DOCK7 (1.8)
0.29	>=0.20	C17orf105 (7.2)	C2orf53 (5.7)	TSSK6 (4.9)
0.29	>=0.20	MRPL33 (4.2)	OST4 (3.0)	MFAP1 (2.6)
0.29	>=0.20	IMMT (3.9)	MTCH2 (2.7)	DOCK7 (2.6)
0.29	>=0.20	ABCA1 (2.9)	MAFF (2.3)	BCL3 (2.3)
0.29	>=0.20	NOP58 (4.9)	POLR1A (4.2)	ZNF259 (4.1)
0.29	>=0.20	ABCA1 (3.0)	ZDHHC18 (2.6)	DDB2 (2.4)
0.29	>=0.20	CASC4 (3.5)	BMPR2 (3.3)	CD300LG (2.6)
0.29	>=0.20	NOP58 (2.9)	PPM1G (2.6)	TAGLN (2.4)
0.29	>=0.20	ZNF259 (5.3)	NOP58 (5.0)	TOMM40 (3.9)
0.29	>=0.20	BCAM (3.7)	MAPK10 (2.7)	TRNP1 (2.6)
0.29	>=0.20	TAGLN (6.6)	PVRL2 (3.5)	BCAM (3.1)
0.29	>=0.20	KANK2 (2.9)	ENSG00000226645 (2	C8orf49 (2.2)
0.29	>=0.20	EIF3J (2.8)	TOMM40 (2.7)	CKAP5 (2.5)
0.29	>=0.20	MTF2 (2.6)	ARID1A (2.5)	SIK3 (2.4)
0.29	>=0.20	CD300LG (4.0)	ENSG00000257711 (3	ZNF513 (3.0)
0.29	>=0.20	BLK (9.3)	GMIP (2.9)	ZDHHC18 (2.3)
0.29	>=0.20	TAGLN (4.6)	PVRL2 (3.8)	EMILIN1 (2.9)

0.29	>=0.20	PPY (5.0)	MLXIPL (2.9)	VEGFA (2.3)
0.29	>=0.20	GTF3C2 (3.9)	BCL7B (2.8)	BUD13 (2.8)
0.29	>=0.20	PIGV (3.3)	ARFGAP2 (3.2)	KBTBD4 (3.0)
0.29	>=0.20	SDCBP (4.0)	PTPRJ (3.9)	SNX17 (3.3)
0.29	>=0.20	CCDC121 (3.8)	CYP26A1 (2.9)	ABO (2.8)
0.29	>=0.20	ENSG00000235545 (3	DOCK6 (3.3)	C1orf172 (3.2)
0.29	>=0.20	KRTCAP3 (4.1)	LPAL2 (3.4)	C8orf12 (3.4)
0.29	>=0.20	ARID1A (3.3)	KANK2 (2.6)	DR1 (2.1)
0.29	>=0.20	FNBP4 (3.7)	DHX38 (3.3)	PCIF1 (3.1)
0.29	>=0.20	SUMO1 (3.1)	PTCD3 (3.0)	IMMT (2.4)
0.29	>=0.20	BMPR2 (4.7)	CYP26A1 (3.0)	ENSG00000253379 (2
0.29	>=0.20	GMIP (3.2)	CSGALNACT1 (3.0)	TIMD4 (2.9)
0.29	>=0.20	BLK (3.5)	KDM3A (3.4)	MAU2 (2.7)
0.29	>=0.20	LRP4 (2.3)	ENSG00000256746 (2	C2orf16 (2.0)
0.29	>=0.20	CITED2 (2.6)	LINC00208 (2.5)	SOST (2.3)
0.29	>=0.20	MPV17 (3.1)	NRBP1 (2.7)	CMIP (2.5)
0.29	>=0.20	ABHD1 (2.9)	PCSK7 (2.7)	SLC5A6 (2.4)
0.29	>=0.20	ABHD1 (2.9)	PCSK7 (2.7)	SLC5A6 (2.4)
0.29	>=0.20	SIDT2 (4.1)	PAFAH1B2 (3.7)	PIGV (3.4)
0.29	>=0.20	BNC2 (4.5)	CILP2 (3.7)	FAM167A (3.0)
0.29	>=0.20	BCL3 (4.9)	PTPRJ (3.2)	NFE2L3 (2.8)
0.29	>=0.20	AMBRA1 (4.3)	PACSIN3 (3.0)	HARBI1 (2.5)
0.29	>=0.20	KLF14 (2.8)	PTPN13 (2.6)	ENSG00000256746 (2
0.29	>=0.20	SPG11 (5.9)	TP53BP1 (4.5)	ENSG00000179523 (3
0.29	>=0.20	PTPN13 (3.6)	TAGLN (3.6)	NRBP1 (2.9)
0.29	>=0.20	FAM167A (3.0)	ENSG00000254235 (2	C8orf49 (2.6)
0.29	>=0.20	NRBF2 (4.7)	IZUMO1 (3.1)	PGS1 (3.0)
0.29	>=0.20	ANGPTL4 (3.3)	RIC8B (2.5)	TMED5 (2.3)
0.29	>=0.20	PCSK7 (2.4)	MPP2 (2.3)	NCAN (2.0)
0.29	>=0.20	NOP58 (4.5)	ZNF259 (3.3)	DHX38 (2.8)
0.29	>=0.20	FEN1 (3.8)	ZNF512 (3.7)	WDR76 (3.4)
0.29	>=0.20	KHK (3.7)	SLC22A1 (2.8)	HAVCR1 (2.8)
0.29	>=0.20	PLTP (3.1)	TIMD4 (2.7)	PBX4 (2.3)
0.29	>=0.20	ENSG00000254235 (3	ABHD1 (3.2)	AGBL2 (2.7)
0.29	>=0.20	PMFBP1 (2.5)	CTDSPL2 (2.2)	FUT2 (2.2)
0.29	>=0.20	BNC2 (3.8)	CYP26A1 (3.0)	DOCK7 (2.5)
0.29	>=0.20	PDIA3 (4.0)	RIC8B (2.2)	NSMAF (2.1)
0.29	>=0.20	CBLC (6.4)	C1orf172 (6.1)	KRTCAP3 (4.3)
0.29	>=0.20	POLR1A (3.7)	ZNF259 (3.2)	GPN1 (3.2)
0.29	>=0.20	AMBRA1 (4.1)	PACSIN3 (2.8)	HARBI1 (2.7)
0.29	>=0.20	LPAL2 (1.9)	AGBL2 (1.8)	PGS1 (1.6)
0.29	>=0.20	POLR1A (4.5)	ZNF259 (4.2)	NOP58 (4.2)
0.29	>=0.20	MAFF (4.3)	TRIB1 (3.7)	BCL3 (3.1)
0.29	>=0.20	CYP7A1 (3.4)	CAD (3.2)	DHODH (3.0)
0.29	>=0.20	CILP2 (3.6)	FZD9 (3.1)	C1QTNF4 (2.6)
0.29	>=0.20	BLK (8.7)	ZDHHC18 (3.1)	TIMD4 (2.9)
0.29	>=0.20	BCL3 (3.2)	MAFF (3.1)	HP (3.0)
0.29	>=0.20	RASIP1 (3.3)	DOCK6 (2.3)	DPYSL5 (2.2)
0.29	>=0.20	ZNF335 (2.9)	AFF1 (2.8)	LPAR2 (2.8)
0.29	>=0.20	DOCK6 (3.2)	RASIP1 (2.7)	REEP3 (2.7)

0.29	>=0.20	BNC2 (5.1)	RFX4 (2.8)	EMILIN1 (2.7)
0.29	>=0.20	DDB2 (3.3)	ZDHHC18 (3.1)	CMIP (2.9)
0.3	>=0.20	AMBRA1 (4.3)	PACSIN3 (3.0)	SUPT7L (2.5)
0.3	>=0.20	BLK (8.7)	CETP (3.9)	TIMD4 (3.5)
0.3	>=0.20	SDCBP (3.1)	CHMP3 (2.6)	MAPRE3 (2.5)
0.3	>=0.20	MTCH2 (4.6)	NFE2L3 (3.8)	EIF2B4 (3.4)
0.3	>=0.20	TM6SF2 (2.7)	KHK (2.5)	PLA2G6 (2.5)
0.3	>=0.20	FEN1 (3.6)	USP1 (3.3)	PTPN13 (2.6)
0.3	>=0.20	FNBP4 (4.1)	BUD13 (2.7)	NUP160 (2.7)
0.3	>=0.20	TAGLN (3.1)	CHMP3 (2.6)	NRBP1 (2.6)
0.3	>=0.20	USP1 (2.5)	AFF1 (2.4)	MFAP1 (2.1)
0.3	>=0.20	CLPTM1 (2.9)	ATG4C (2.5)	ARHGAP1 (2.2)
0.3	>=0.20	TOMM40 (3.3)	IMMT (3.2)	CAD (3.1)
0.3	>=0.20	FADS1 (3.5)	FDFT1 (3.4)	FADS2 (3.2)
0.3	>=0.20	SFN (5.6)	FUT1 (3.4)	CBLC (3.1)
0.3	>=0.20	REEP3 (3.3)	DUSP3 (2.6)	CTSB (2.6)
0.3	>=0.20	KHK (6.0)	TM6SF2 (3.8)	SLC5A6 (3.4)
0.3	>=0.20	NSMAF (3.7)	ZNF513 (2.7)	ENSG00000253379 (2
0.3	>=0.20	LINC00208 (2.9)	IZUMO1 (2.5)	PBX4 (2.4)
0.3	>=0.20	BCL3 (4.9)	PCIF1 (3.4)	MAU2 (2.9)
0.3	>=0.20	ARID1A (3.7)	BCL3 (3.4)	BLK (3.4)
0.3	>=0.20	TMEM175 (5.3)	TMEM214 (4.0)	PIGV (3.7)
0.3	>=0.20	BCL7B (3.3)	NRBP1 (3.2)	PAFAH1B2 (2.9)
0.3	>=0.20	CAD (5.5)	IMMT (3.7)	ATP13A1 (3.4)
0.3	>=0.20	TXNL4B (2.7)	C11orf9 (2.4)	CCDC92 (2.1)
0.3	>=0.20	BLK (4.0)	GMIP (3.2)	LRP4 (2.9)
0.3	>=0.20	DNAJC5G (4.2)	C17orf105 (4.1)	TSSK6 (3.4)
0.3	>=0.20	PLTP (2.9)	CTSB (2.8)	ACP2 (2.7)
0.3	>=0.20	MYBPC3 (8.4)	GATA4 (4.3)	FRMD5 (3.9)
0.3	>=0.20	C1orf172 (3.6)	LPAR2 (3.4)	CBLC (3.2)
0.3	>=0.20	LPAR2 (3.1)	NRBP1 (2.8)	ZNF664 (2.7)
0.3	>=0.20	ATG4C (3.1)	CLPTM1 (2.6)	ACP2 (2.1)
0.3	>=0.20	PPY (6.5)	PTPN13 (3.4)	RFX4 (2.8)
0.3	>=0.20	TECTB (2.6)	CILP2 (2.3)	ENSG00000236827 (2
0.3	>=0.20	TIMD4 (3.2)	NR1H3 (2.7)	BLK (2.5)
0.3	>=0.20	TMEM214 (5.3)	TBL2 (4.4)	PDIA3 (4.3)
0.3	>=0.20	TMEM214 (5.3)	TBL2 (4.4)	PDIA3 (4.3)
0.3	>=0.20	SUGP1 (4.2)	DHX38 (4.2)	MAU2 (3.5)
0.3	>=0.20	COBLL1 (3.1)	BNC2 (2.8)	C8orf12 (2.5)
0.3	>=0.20	BMPR2 (5.3)	RSPO3 (3.0)	PTPN13 (3.0)
0.3	>=0.20	OST4 (4.0)	NOP58 (2.7)	UCN (2.5)
0.3	>=0.20	DPYSL5 (4.1)	RFX4 (2.9)	CYP26A1 (2.5)
0.3	>=0.20	AFF1 (3.6)	CITED2 (3.4)	MTF2 (3.1)
0.3	>=0.20	FZD9 (7.0)	CILP2 (5.8)	FADS2 (3.5)
0.3	>=0.20	ENSG00000253379 (3	CILP2 (2.9)	DPYSL5 (2.6)
0.3	>=0.20	ENSG00000222035 (3	TIMD4 (2.6)	CD300LG (2.5)
0.3	>=0.20	ZNF259 (5.2)	NOP58 (5.2)	POLR1A (4.5)
0.3	>=0.20	SUGP1 (3.1)	ARID1A (3.0)	BUD13 (2.9)
0.3	>=0.20	CYP26A1 (3.6)	CCDC121 (3.2)	PVRL2 (2.0)
0.3	>=0.20	TRIB1 (4.0)	CITED2 (4.0)	MAFF (2.9)

0.3	>=0.20	BCL3 (2.8)	AFF1 (2.8)	GMIP (2.4)
0.3	>=0.20	NOP58 (4.4)	ZNF259 (3.1)	PTCD3 (2.7)
0.3	>=0.20	ENSG00000234945 (4	CILP2 (3.7)	ENSG00000257711 (3
0.3	>=0.20	CTDSPL2 (2.8)	JMJD1C (2.8)	C11orf9 (2.6)
0.3	>=0.20	WDR76 (3.1)	FEN1 (3.1)	CITED2 (3.1)
0.3	>=0.20	MAFF (4.7)	CYP26A1 (3.4)	SOST (2.9)
0.3	>=0.20	FNBP4 (4.0)	ZNF512 (2.8)	OST4 (2.8)
0.3	>=0.20	GATAD2A (3.2)	SDCBP (2.8)	DUSP3 (2.6)
0.3	>=0.20	FDFT1 (15.0)	FADS1 (12.2)	FADS2 (10.7)
0.3	>=0.20	LINC00208 (2.4)	BMPR2 (2.2)	CYP26A1 (2.2)
0.3	>=0.20	NOP58 (5.0)	ZNF259 (4.9)	POLR1A (4.5)
0.3	>=0.20	NOP58 (5.0)	ZNF259 (4.9)	POLR1A (4.5)
0.3	>=0.20	NOP58 (4.9)	POLR1A (3.5)	CAD (3.2)
0.3	>=0.20	C8orf49 (4.5)	TDH (2.8)	ABO (2.5)
0.3	>=0.20	PTPRJ (3.0)	SDC1 (2.8)	PTPN13 (2.7)
0.3	>=0.20	FZD9 (2.4)	ABO (2.3)	ANGPTL4 (2.1)
0.31	>=0.20	PTPN13 (3.0)	GATAD2A (2.7)	TRIB1 (2.4)
0.31	>=0.20	DHODH (3.2)	ATG4C (2.7)	SLC5A6 (2.7)
0.31	>=0.20	NSMAF (3.1)	BCL3 (2.1)	ABCA1 (1.7)
0.31	>=0.20	SUGP1 (3.5)	PCIF1 (2.9)	DHX38 (2.8)
0.31	>=0.20	BCL7B (4.0)	WDR76 (3.6)	USP1 (3.3)
0.31	>=0.20	ENSG00000235545 (4	ENSG00000255020 (2	UCN (2.4)
0.31	>=0.20	CYP26A1 (3.6)	C2orf16 (3.3)	SOST (2.7)
0.31	>=0.20	POLR1A (3.1)	TOMM40 (2.6)	PTPN13 (2.6)
0.31	>=0.20	MAU2 (4.0)	BLK (3.6)	KDM3A (3.3)
0.31	>=0.20	BMPR2 (3.0)	BCL7B (2.2)	RIC8B (2.1)
0.31	>=0.20	HAVCR1 (3.1)	FNBP4 (2.7)	CILP2 (2.6)
0.31	>=0.20	BMPR2 (3.9)	DOCK6 (3.1)	RASIP1 (2.8)
0.31	>=0.20	TRIM54 (6.5)	MYBPC3 (6.4)	PACSIN3 (3.6)
0.31	>=0.20	NOP58 (5.4)	ZNF259 (5.2)	POLR1A (4.7)
0.31	>=0.20	GATA4 (3.4)	TRIB1 (3.4)	USP1 (2.9)
0.31	>=0.20	NUP160 (3.9)	CAD (3.8)	USP1 (3.1)
0.31	>=0.20	CAD (2.9)	DOCK7 (2.5)	TMEM214 (2.2)
0.31	>=0.20	OST4 (4.3)	MRPL33 (3.7)	NUP160 (2.8)
0.31	>=0.20	HAPLN4 (5.1)	MPP3 (3.3)	FZD9 (2.5)
0.31	>=0.20	NOP58 (4.3)	OST4 (3.1)	ZNF259 (3.0)
0.31	>=0.20	FGF21 (2.9)	MPV17 (2.7)	ATG4C (2.7)
0.31	>=0.20	SLC5A6 (2.7)	BCL3 (2.6)	CETP (2.0)
0.31	>=0.20	PPY (3.1)	MLXIPL (2.2)	KLF14 (2.0)
0.31	>=0.20	TMEM214 (4.1)	MPV17 (3.2)	SDCBP (3.1)
0.31	>=0.20	PCIF1 (3.2)	SUPT7L (2.5)	ATP13A1 (2.2)
0.31	>=0.20	EIF2B4 (3.4)	IMMT (3.3)	PTCD3 (3.2)
0.31	>=0.20	CYP26A1 (3.1)	ENSG00000254235 (2	BCAM (2.6)
0.31	>=0.20	C1orf172 (5.7)	KRTCAP3 (3.8)	CBLC (3.7)
0.31	>=0.20	G6PC3 (5.3)	TMEM175 (4.7)	PIGV (4.4)
0.31	>=0.20	BLK (2.8)	GMIP (2.4)	ZDHHC18 (2.3)
0.31	>=0.20	MFAP1 (2.8)	BCL3 (2.2)	DDB2 (2.0)
0.31	>=0.20	NOP58 (4.6)	PTCD3 (3.6)	GATAD2A (3.5)
0.31	>=0.20	NOP58 (4.9)	ZNF259 (4.8)	POLR1A (4.5)
0.31	>=0.20	CILP2 (6.3)	FZD9 (4.3)	KLF14 (3.5)

0.31	>=0.20	ENSG00000222035 (3	RSPO3 (2.5)	KLF14 (2.3)
0.31	>=0.20	BLK (3.4)	KDM3A (3.3)	MAU2 (2.7)
0.31	>=0.20	ATP13A1 (3.2)	ZNF335 (3.0)	TBL2 (2.9)
0.31	>=0.20	MYBPC3 (6.2)	TRIM54 (4.4)	FRMD5 (2.8)
0.31	>=0.20	BCL3 (6.2)	NFE2L3 (3.9)	MAFF (3.3)
0.31	>=0.20	BCL3 (6.2)	NFE2L3 (3.9)	MAFF (3.3)
0.31	>=0.20	KLF14 (3.7)	C2orf16 (3.2)	CETP (2.5)
0.31	>=0.20	CILP2 (6.2)	FZD9 (3.8)	CGREF1 (3.2)
0.31	>=0.20	BMPR2 (4.8)	RSPO3 (4.8)	FZD9 (2.8)
0.31	>=0.20	IMMT (4.0)	MTCH2 (3.8)	GPAM (3.5)
0.31	>=0.20	EIF2B4 (3.7)	ATP13A1 (3.4)	SNX17 (3.2)
0.31	>=0.20	ZNF513 (2.5)	PTPRJ (2.5)	STRC (2.2)
0.31	>=0.20	PVRL2 (2.7)	LRP4 (2.6)	KLF14 (2.5)
0.31	>=0.20	G6PC3 (3.4)	TMEM175 (3.2)	TMED5 (2.5)
0.31	>=0.20	MAU2 (3.5)	AGBL5 (3.4)	WDR76 (3.1)
0.31	>=0.20	RSPO3 (5.3)	TAGLN (3.3)	BNC2 (2.9)
0.31	>=0.20	CETP (2.7)	TDH (2.7)	ENSG00000222035 (2
0.31	>=0.20	BCL3 (2.7)	ZDHHC18 (2.5)	ENSG00000222035 (2
0.31	>=0.20	EMILIN1 (3.3)	TAGLN (2.9)	SDC1 (2.8)
0.31	>=0.20	ACP2 (2.8)	NR1H3 (2.6)	EPB41L3 (2.6)
0.31	>=0.20	DOCK6 (2.5)	SLC30A3 (2.3)	PTPRJ (2.3)
0.31	>=0.20	CILP2 (4.5)	CCDC92 (3.2)	OST4 (2.6)
0.31	>=0.20	C8orf49 (4.7)	NR0B2 (3.3)	TRIB1 (2.5)
0.31	>=0.20	RASIP1 (4.2)	KANK2 (3.0)	GATA4 (2.6)
0.31	>=0.20	CILP2 (6.3)	EMILIN1 (3.8)	CGREF1 (3.2)
0.31	>=0.20	CAD (3.9)	NUP160 (3.5)	POLR1A (3.5)
0.31	>=0.20	POLR1A (4.6)	CAD (3.5)	NOP58 (3.4)
0.31	>=0.20	PTPRJ (2.6)	ZNF513 (2.2)	STRC (2.0)
0.31	>=0.20	PTPRJ (2.6)	ZNF513 (2.2)	STRC (2.0)
0.31	>=0.20	GTF3C2 (3.7)	CELF1 (3.6)	KBTBD4 (3.2)
0.31	>=0.20	BCAM (5.4)	C1orf172 (4.8)	SFN (4.7)
0.31	>=0.20	ENSG00000253379 (4	TECTB (3.4)	PTPN13 (2.8)
0.31	>=0.20	RFX4 (3.3)	AGBL5 (2.7)	C11orf49 (2.6)
0.31	>=0.20	SDCBP (3.5)	CHMP3 (3.1)	NRBF2 (2.9)
0.31	>=0.20	FNBP4 (3.3)	DHX38 (3.0)	NOP58 (3.0)
0.31	>=0.20	KDM3A (3.4)	NAGS (2.9)	FUT1 (2.6)
0.31	>=0.20	HAPLN4 (3.3)	C1QTNF4 (2.8)	NCAN (2.6)
0.31	>=0.20	DUSP3 (2.5)	VEGFA (2.3)	PACSIN3 (2.2)
0.31	>=0.20	ENSG00000253379 (4	LRP4 (4.5)	TECTB (3.3)
0.31	>=0.20	C1orf172 (6.0)	CBLC (4.2)	KRTCAP3 (3.7)
0.31	>=0.20	C1orf172 (6.0)	CBLC (4.2)	KRTCAP3 (3.7)
0.31	>=0.20	BLK (3.4)	KDM3A (3.2)	MAU2 (2.8)
0.31	>=0.20	FADS1 (3.9)	RFX4 (3.1)	MAFF (2.9)
0.31	>=0.20	CATSPER2 (3.1)	KLF14 (2.8)	ENSG00000256731 (2
0.31	>=0.20	PDIA3 (6.2)	TMEM214 (4.6)	PREB (4.1)
0.32	>=0.20	C1orf172 (5.1)	CBLC (5.0)	KRTCAP3 (3.6)
0.32	>=0.20	CYP26A1 (3.6)	CCDC121 (3.2)	SOST (2.7)
0.32	>=0.20	NDUFS3 (4.4)	MRPL33 (4.0)	IMMT (3.2)
0.32	>=0.20	TRIB1 (5.8)	MAFF (5.3)	BCL3 (3.7)
0.32	>=0.20	SDC1 (3.1)	BCAM (3.0)	PTPN13 (2.7)

0.32 >=0.20	WDR76 (3.7)	BCL7B (3.4)	BAZ1B (3.2)
0.32 >=0.20	NOP58 (5.4)	ZNF259 (4.9)	POLR1A (4.0)
0.32 >=0.20	GMIP (3.0)	MADD (2.7)	ATG4C (2.6)
0.32 >=0.20	BCAM (3.8)	ARID1A (3.2)	MAMSTR (2.6)
0.32 >=0.20	PGS1 (2.6)	C2orf53 (2.6)	ENSG00000234945 (2
0.32 >=0.20	GATAD2A (4.0)	CMIP (3.5)	ABO (2.8)
0.32 >=0.20	HAPLN4 (4.5)	MADD (4.3)	NCAN (2.6)
0.32 >=0.20	TM6SF2 (3.5)	C2orf53 (3.4)	ENSG00000254235 (3
0.32 >=0.20	BCAM (6.1)	SFN (5.4)	C1orf172 (5.3)
0.32 >=0.20	CKAP5 (2.6)	IMMT (2.4)	KDM3A (2.1)
0.32 >=0.20	TDH (2.9)	KHK (2.8)	LPL (2.7)
0.32 >=0.20	FNBP4 (4.1)	PPM1G (3.2)	ARFGAP2 (2.9)
0.32 >=0.20	AMBRA1 (3.9)	CELF1 (3.4)	DHX38 (3.2)
0.32 >=0.20	DPYSL5 (3.5)	LPAR2 (3.3)	SDC1 (3.1)
0.32 >=0.20	KHK (3.6)	APOA4 (2.7)	SPG11 (2.6)
0.32 >=0.20	NOP58 (5.5)	ZNF259 (4.7)	TOMM40 (4.0)
0.32 >=0.20	C8orf49 (5.6)	MYBPC3 (3.7)	TRIB1 (3.4)
0.32 >=0.20	FNBP4 (3.8)	DHX38 (3.4)	BUD13 (3.2)
0.32 >=0.20	WDR76 (3.6)	INTS10 (3.3)	AGBL5 (2.3)
0.32 >=0.20	WDR76 (3.6)	INTS10 (3.3)	AGBL5 (2.3)
0.32 >=0.20	RSPO3 (3.9)	SDC1 (3.0)	CYP26A1 (2.9)
0.32 >=0.20	CYP26A1 (4.3)	LRP4 (4.0)	PTPN13 (2.7)
0.32 >=0.20	HAPLN4 (2.6)	KHK (2.6)	ABHD1 (2.5)
0.32 >=0.20	TMEM214 (5.3)	TBL2 (4.3)	PDIA3 (4.1)
0.32 >=0.20	CMIP (2.6)	BLK (2.6)	C11orf49 (2.3)
0.32 >=0.20	PLA2G6 (4.0)	HARBI1 (3.0)	ZNF408 (3.0)
0.32 >=0.20	PLA2G6 (4.0)	HARBI1 (3.0)	ZNF408 (3.0)
0.32 >=0.20	PLA2G6 (4.0)	HARBI1 (3.0)	ZNF408 (3.0)
0.32 >=0.20	NOP58 (4.5)	POLR1A (4.2)	EIF2B4 (3.0)
0.32 >=0.20	CYP26A1 (3.0)	APOE (2.8)	TAGLN (2.5)
0.32 >=0.20	KLF14 (3.1)	BCL7B (3.0)	DUSP3 (2.6)
0.32 >=0.20	ZNF513 (2.8)	PCSK7 (2.5)	KBTBD4 (2.5)
0.32 >=0.20	NOP58 (4.8)	POLR1A (4.7)	ZNF259 (4.3)
0.32 >=0.20	SFN (5.1)	CBLC (3.7)	C1orf172 (3.2)
0.32 >=0.20	ATG4C (3.4)	FADS2 (2.8)	AMBRA1 (2.3)
0.32 >=0.20	ARID1A (4.0)	BAZ1B (3.6)	CKAP5 (3.3)
0.32 >=0.20	PREB (3.9)	TMEM214 (3.5)	CSGALNACT1 (3.4)
0.32 >=0.20	NOP58 (4.8)	EIF3J (4.1)	ZNF259 (3.6)
0.32 >=0.20	FNBP4 (4.5)	NOP58 (2.8)	NUP160 (2.7)
0.32 >=0.20	SOST (2.9)	SDC1 (2.2)	EMILIN1 (2.1)
0.32 >=0.20	MTCH2 (4.5)	NDUFS3 (3.5)	MRPL35 (3.2)
0.32 >=0.20	BLK (8.2)	GMIP (4.0)	BCL3 (3.3)
0.32 >=0.20	GATA4 (4.0)	C11orf49 (2.9)	IFT172 (2.8)
0.32 >=0.20	C1orf172 (5.4)	BCAM (5.4)	PVRL2 (4.5)
0.32 >=0.20	ENSG00000254235 (3	ATG4C (3.3)	MPV17 (2.5)
0.32 >=0.20	CILP2 (5.0)	FZD9 (4.2)	ENSG00000253379 (3
0.32 >=0.20	NCAN (4.7)	ATG4C (2.8)	MAMSTR (2.6)
0.32 >=0.20	SIDT2 (2.8)	NEIL2 (2.5)	TMEM101 (2.4)
0.32 >=0.20	ARID1A (3.4)	AMBRA1 (3.0)	GMIP (3.0)
0.32 >=0.20	SFN (5.4)	SDC1 (5.1)	ENSG00000182319 (3

0.32	>=0.20	SDCBP (3.6)	REEP1 (2.8)	NRBP1 (2.7)
0.32	>=0.20	ENSG00000256731 (3	CCDC121 (3.8)	ENSG00000257711 (2
0.32	>=0.20	DHODH (2.9)	TXNL4B (2.8)	TUBGCP4 (2.7)
0.32	>=0.20	LINC00208 (3.3)	DOCK6 (3.1)	RASIP1 (2.9)
0.32	>=0.20	SLC30A3 (3.3)	ENSG00000182319 (2	CMIP (2.4)
0.32	>=0.20	BLK (3.4)	KDM3A (3.3)	MAU2 (2.7)
0.32	>=0.20	MYBPC3 (4.2)	TRIM54 (3.2)	RASIP1 (2.8)
0.32	>=0.20	LSM12 (3.1)	ENSG00000254235 (2	JMJD1C (2.7)
0.32	>=0.20	TMEM175 (5.5)	TMEM101 (4.2)	G6PC3 (3.9)
0.33	>=0.20	BLK (4.1)	KDM3A (2.9)	CBLC (2.5)
0.33	>=0.20	MAFF (4.3)	BCL3 (3.7)	FNBP4 (2.3)
0.33	>=0.20	ENSG00000256731 (3	ABO (2.8)	TMEM175 (2.5)
0.33	>=0.20	PPM1G (3.4)	TOMM40 (3.1)	IMMT (3.0)
0.33	>=0.20	RIC8B (2.7)	DOCK7 (2.4)	ENSG00000254235 (2
0.33	>=0.20	ARID1A (3.5)	PCIF1 (3.3)	CTDSPL2 (2.6)
0.33	>=0.20	KANK2 (2.9)	LINC00208 (2.6)	CYP26A1 (2.5)
0.33	>=0.20	CTSB (3.3)	CGREF1 (2.6)	C2orf28 (2.5)
0.33	>=0.20	ENSG00000234945 (2	CETP (2.5)	PYY (2.3)
0.33	>=0.20	ABHD1 (2.8)	PMFBP1 (2.7)	HAVCR1 (2.5)
0.33	>=0.20	MTF2 (4.2)	BUD13 (4.0)	FNBP4 (3.8)
0.33	>=0.20	RASIP1 (3.0)	DOCK6 (2.9)	ENSG00000222035 (2
0.33	>=0.20	TRIM54 (2.9)	ZNF664 (2.7)	MAMSTR (2.5)
0.33	>=0.20	ENSG00000255020 (3	KDM3A (3.2)	TDH (2.9)
0.33	>=0.20	TMEM214 (4.1)	TBL2 (3.8)	ATG13 (3.7)
0.33	>=0.20	FNDC4 (3.0)	KDM3A (2.8)	EPB41L3 (2.6)
0.33	>=0.20	GMIP (3.4)	PTPRJ (3.2)	SIK3 (2.4)
0.33	>=0.20	C8orf49 (4.7)	C8orf12 (2.9)	CYP26A1 (2.8)
0.33	>=0.20	CELF1 (3.6)	ARID1A (3.4)	FNBP4 (3.2)
0.33	>=0.20	PPY (8.6)	PYY (3.9)	MLXIPL (3.3)
0.33	>=0.20	SUGP1 (4.5)	DHX38 (4.5)	MFAP1 (3.2)
0.33	>=0.20	C1orf172 (5.1)	CBLC (4.8)	KRTCAP3 (4.1)
0.33	>=0.20	PCIF1 (4.2)	SUGP1 (4.0)	DHX38 (4.0)
0.33	>=0.20	ARID1A (4.1)	AMBRA1 (4.0)	SUGP1 (3.1)
0.33	>=0.20	NOP58 (5.9)	ZNF259 (4.7)	POLR1A (4.3)
0.33	>=0.20	SDC1 (3.7)	TRNP1 (2.8)	GATAD2A (2.8)
0.33	>=0.20	NAT2 (4.2)	DNAH10 (4.1)	LPA (3.7)
0.33	>=0.20	BUD13 (4.3)	PCIF1 (4.1)	ZNF408 (3.7)
0.33	>=0.20	NOP58 (4.7)	ZNF259 (4.6)	POLR1A (4.2)
0.33	>=0.20	LSM12 (3.0)	SNX17 (2.5)	NRBP1 (2.5)
0.33	>=0.20	DR1 (2.8)	ARID1A (2.6)	JMJD1C (2.5)
0.33	>=0.20	EMILIN1 (3.5)	ANGPTL4 (3.4)	CSGALNACT1 (3.0)
0.33	>=0.20	KRTCAP3 (3.9)	LPAR2 (3.7)	NFE2L3 (3.0)
0.33	>=0.20	IMMT (4.7)	EIF2B4 (4.4)	MTCH2 (4.3)
0.33	>=0.20	G6PC3 (2.3)	C2orf28 (2.2)	ARHGAP1 (2.1)
0.33	>=0.20	EIF2B4 (4.0)	MTCH2 (3.5)	EIF3J (3.4)
0.33	>=0.20	ENSG00000236827 (2	TDH (1.9)	CITED2 (1.9)
0.33	>=0.20	FADS2 (6.6)	FADS1 (5.3)	FDFT1 (5.1)
0.33	>=0.20	TAGLN (8.0)	ARHGAP1 (3.8)	KANK2 (3.7)
0.33	>=0.20	TAGLN (3.0)	EMILIN1 (2.8)	APOE (2.7)
0.33	>=0.20	BLK (3.3)	KDM3A (3.3)	MAU2 (2.6)

0.33	>=0.20	AMBRA1 (3.6)	PACSIN3 (2.8)	SUPT7L (2.6)
0.33	>=0.20	CYP26A1 (3.1)	FUT2 (2.3)	NR0B2 (2.3)
0.33	>=0.20	SLC22A3 (3.0)	ABO (2.7)	ENSG00000223745 (2
0.33	>=0.20	CLPTM1 (2.7)	UCN (2.6)	CHMP3 (2.6)
0.33	>=0.20	REEP3 (4.5)	ATG4C (3.2)	MTMR9 (3.0)
0.33	>=0.20	ENSG00000254235 (3	LPAL2 (2.7)	KHK (2.5)
0.33	>=0.20	C1orf172 (4.3)	CBLC (4.2)	KRTCAP3 (3.0)
0.33	>=0.20	GTF3C2 (3.5)	AMBRA1 (3.4)	AGBL5 (3.3)
0.33	>=0.20	GTF3C2 (3.5)	AMBRA1 (3.4)	AGBL5 (3.3)
0.33	>=0.20	GTF3C2 (3.5)	AMBRA1 (3.4)	AGBL5 (3.3)
0.33	>=0.20	C2orf16 (2.7)	NAT2 (2.5)	KANK2 (2.3)
0.33	>=0.20	NOP58 (5.0)	ZNF259 (4.8)	POLR1A (4.4)
0.33	>=0.20	FDFT1 (3.5)	ENSG00000257711 (2	DNAJC5G (2.6)
0.33	>=0.20	RFX4 (4.4)	FZD9 (3.2)	FAM167A (3.1)
0.33	>=0.20	ARFGAP2 (3.2)	ENSG00000179523 (2	EIF3J (2.8)
0.33	>=0.20	EIF3J (4.2)	LSM12 (3.6)	TP53BP1 (3.1)
0.33	>=0.20	ENSG00000253379 (2	PTPN13 (2.2)	TMEM101 (2.0)
0.33	>=0.20	BLK (4.7)	DNAJC5G (2.6)	GMIP (2.4)
0.33	>=0.20	C11orf49 (4.0)	ZNF512 (3.5)	RIC8B (2.7)
0.33	>=0.20	CILP2 (3.3)	SFN (2.6)	CMIP (2.6)
0.33	>=0.20	SOST (3.2)	RSPO3 (3.1)	EPB41L3 (3.0)
0.33	>=0.20	PPIP5K1 (3.9)	ATP13A1 (3.5)	ARFGAP2 (3.1)
0.33	>=0.20	BUD13 (3.2)	NUP160 (3.2)	DR1 (3.1)
0.33	>=0.20	ATG4C (2.7)	DR1 (2.6)	BCL7B (2.6)
0.34	>=0.20	MLXIPL (2.3)	CATSPER2 (2.2)	ABO (2.1)
0.34	>=0.20	BLK (4.0)	MTF2 (3.3)	JMJD1C (2.6)
0.34	>=0.20	HAVCR1 (4.3)	MAP1A (3.3)	ATP13A1 (2.8)
0.34	>=0.20	ABCA1 (3.2)	BCL3 (2.8)	CTSB (2.7)
0.34	>=0.20	FNBP4 (3.6)	DHX38 (3.4)	BUD13 (3.3)
0.34	>=0.20	RSPO3 (4.6)	VEGFA (3.5)	EMILIN1 (2.8)
0.34	>=0.20	CILP2 (4.4)	FZD9 (3.4)	ENSG00000253379 (3
0.34	>=0.20	MAU2 (2.9)	JMJD1C (2.7)	CTDSPL2 (2.6)
0.34	>=0.20	KHK (4.4)	ANGPTL3 (3.8)	SLC22A1 (3.6)
0.34	>=0.20	ZNF259 (5.0)	NOP58 (4.7)	POLR1A (4.5)
0.34	>=0.20	NOP58 (4.0)	PPM1G (2.8)	FNBP4 (2.5)
0.34	>=0.20	WDR76 (3.0)	DNAJC5G (2.6)	UBXN2B (2.5)
0.34	>=0.20	TRIB1 (3.7)	CITED2 (3.1)	EPB41L3 (2.5)
0.34	>=0.20	BLK (3.5)	KDM3A (3.0)	MAU2 (2.8)
0.34	>=0.20	CYP26A1 (3.5)	RSPO3 (2.9)	ENSG00000236827 (2
0.34	>=0.20	MAU2 (2.4)	REEP1 (2.3)	PGS1 (2.2)
0.34	>=0.20	BLK (3.6)	JMJD1C (2.7)	GMIP (2.6)
0.34	>=0.20	BLK (3.3)	KDM3A (3.3)	MAU2 (3.0)
0.34	>=0.20	CILP2 (5.0)	FZD9 (4.8)	BNC2 (3.8)
0.34	>=0.20	DR1 (3.5)	ENSG00000182329 (2	GTF3C2 (2.9)
0.34	>=0.20	CAD (3.3)	BUD13 (3.2)	DHX38 (3.1)
0.34	>=0.20	PYY (6.0)	FUT2 (4.9)	PPY (4.4)
0.34	>=0.20	NRBP1 (3.1)	CTDSPL2 (2.9)	EIF3J (2.9)
0.34	>=0.20	PVRL2 (4.3)	BCAM (3.7)	PBX4 (2.5)
0.34	>=0.20	CLPTM1 (3.7)	IGF2R (3.5)	CD300LG (3.2)
0.34	>=0.20	GMIP (3.1)	ATG4C (3.0)	TUBGCP4 (2.8)

0.34	>=0.20	PDIA3 (2.5)	GATAD2A (2.5)	OST4 (2.2)
0.34	>=0.20	AMBRA1 (4.1)	PACSIN3 (2.8)	HARBI1 (2.5)
0.34	>=0.20	OST4 (3.7)	PGS1 (2.7)	C2orf28 (2.1)
0.34	>=0.20	RSPO3 (4.6)	PTPN13 (3.8)	BCAM (3.6)
0.34	>=0.20	BLK (3.6)	NEIL2 (2.2)	LINC00208 (2.2)
0.34	>=0.20	NAT2 (4.3)	TM6SF2 (2.9)	CYP7A1 (2.9)
0.34	>=0.20	KANK2 (2.5)	AFF1 (2.4)	RSPO3 (2.0)
0.34	>=0.20	SDCBP (2.9)	UBXN2B (2.9)	PTPRJ (2.7)
0.34	>=0.20	RFX4 (5.2)	ENSG00000235545 (2	FAM167A (2.9)
0.34	>=0.20	TECTB (3.7)	PLA2G6 (2.6)	MAP1A (2.6)
0.34	>=0.20	C8orf49 (5.0)	NR0B2 (4.1)	GATA4 (4.0)
0.34	>=0.20	SIK3 (2.6)	AGBL5 (2.6)	CHMP3 (2.5)
0.34	>=0.20	ARID1A (4.4)	TRIB1 (4.2)	JMJD1C (2.9)
0.34	>=0.20	NOP58 (5.1)	ZNF259 (4.9)	POLR1A (4.5)
0.34	>=0.20	ENSG00000254235 (2	NCAN (2.3)	DPYSL5 (2.2)
0.34	>=0.20	ENSG00000222035 (4	ENSG00000257711 (2	CCDC121 (1.8)
0.34	>=0.20	SFN (5.6)	FDFT1 (4.8)	CBLC (3.4)
0.34	>=0.20	PDIA3 (3.8)	ENSG00000200241 (3	TOMM40 (2.9)
0.34	>=0.20	C2orf16 (2.6)	FNDC4 (2.5)	RFX4 (2.4)
0.34	>=0.20	SNX17 (3.6)	ATP13A1 (3.1)	NDUFS3 (2.9)
0.34	>=0.20	NOP58 (4.9)	ZNF259 (3.5)	PTCD3 (3.2)
0.34	>=0.20	CILP2 (5.8)	EMILIN1 (4.3)	TAGLN (3.2)
0.34	>=0.20	ARID1A (3.2)	HDAC5 (2.7)	AMBRA1 (2.6)
0.34	>=0.20	BLK (2.7)	LRP4 (2.3)	GMIP (2.2)
0.34	>=0.20	NFE2L3 (3.2)	LINC00208 (2.9)	APOE (2.9)
0.34	>=0.20	DHX38 (4.5)	SUGP1 (3.9)	PPM1G (3.4)
0.34	>=0.20	LRP4 (3.2)	PTPN13 (3.1)	BCAM (3.1)
0.34	>=0.20	LRP4 (3.2)	PTPN13 (3.1)	BCAM (3.1)
0.34	>=0.20	LRP4 (3.2)	PTPN13 (3.1)	BCAM (3.1)
0.34	>=0.20	PYY (2.9)	BNC2 (2.6)	RSPO3 (2.3)
0.34	>=0.20	ZNF259 (4.9)	NOP58 (3.9)	DHODH (3.6)
0.34	>=0.20	CILP2 (4.6)	CYP26A1 (4.3)	SOST (3.4)
0.34	>=0.20	TBL2 (2.5)	ENSG00000182329 (2	KHK (2.2)
0.34	>=0.20	CAD (3.9)	NUP160 (3.7)	USP1 (3.4)
0.34	>=0.20	MYBPC3 (4.1)	GATA4 (3.0)	SOST (2.6)
0.34	>=0.20	EPB41L3 (3.3)	ZDHHC18 (3.3)	RASIP1 (3.2)
0.34	>=0.20	AMBRA1 (3.9)	HARBI1 (3.0)	PACSIN3 (2.7)
0.34	>=0.20	PYY (3.5)	ABO (3.5)	EMILIN1 (3.1)
0.34	>=0.20	BLK (3.4)	KDM3A (3.3)	MAU2 (2.8)
0.34	>=0.20	CTSB (2.6)	LIPC (2.5)	CSGALNACT1 (2.2)
0.34	>=0.20	PPY (5.0)	PYY (3.2)	COBLL1 (2.5)
0.34	>=0.20	C2orf16 (3.3)	DNAJC5G (2.5)	NRBF2 (2.1)
0.34	>=0.20	ZNF408 (3.6)	ZNF513 (3.1)	TSSK6 (2.7)
0.34	>=0.20	ENSG00000254235 (2	RBKS (2.1)	ENSG00000236827 (2
0.34	>=0.20	BCL3 (3.9)	BLK (3.5)	SIK3 (3.2)
0.34	>=0.20	MLXIPL (3.9)	LPL (3.6)	ANGPTL4 (3.2)
0.35	>=0.20	ZNF512 (4.1)	OST4 (4.0)	SUPT7L (3.5)
0.35	>=0.20	MYBPC3 (8.7)	TRIM54 (5.4)	FRMD5 (3.7)
0.35	>=0.20	MYBPC3 (7.3)	TRIM54 (6.6)	PACSIN3 (4.1)
0.35	>=0.20	CSGALNACT1 (2.6)	BMPR2 (2.3)	MLXIPL (2.2)

0.35	>=0.20	VEGFA (3.4)	PPY (3.2)	MLXIPL (2.6)
0.35	>=0.20	CITED2 (3.0)	MFAP1 (2.7)	REEP1 (2.5)
0.35	>=0.20	AMBRA1 (4.3)	HARBI1 (2.9)	PACSIN3 (2.9)
0.35	>=0.20	IMMT (3.9)	GPAM (3.1)	ATP13A1 (2.7)
0.35	>=0.20	NSMAF (3.8)	PTPRJ (2.8)	LPAR2 (2.6)
0.35	>=0.20	PREB (3.9)	TMEM214 (3.5)	CSGALNACT1 (3.3)
0.35	>=0.20	ENSG00000222035 (4	ABO (2.5)	ENSG00000182319 (2
0.35	>=0.20	ZNF513 (3.2)	PGS1 (2.7)	ZDHHC18 (2.5)
0.35	>=0.20	NOP58 (4.7)	ZNF259 (4.2)	OST4 (3.4)
0.35	>=0.20	NOP58 (4.7)	ZNF259 (4.2)	OST4 (3.4)
0.35	>=0.20	C1orf172 (3.8)	BCAM (3.5)	SFN (3.4)
0.35	>=0.20	CSGALNACT1 (5.0)	RIC8B (2.9)	SIK3 (2.5)
0.35	>=0.20	CD300LG (3.6)	PMFBP1 (2.5)	VEGFA (2.2)
0.35	>=0.20	RFX4 (4.2)	FAM167A (3.7)	ENSG00000236827 (3
0.35	>=0.20	FNBP4 (4.1)	NOP58 (3.2)	SUGP1 (2.8)
0.35	>=0.20	RSPO3 (3.3)	CYP26A1 (3.1)	TDH (3.0)
0.35	>=0.20	G6PC3 (2.4)	ENSG00000255020 (2	UBXN2B (2.4)
0.35	>=0.20	ARFGAP2 (3.5)	PPIP5K1 (3.2)	MTCH2 (3.2)
0.35	>=0.20	FNBP4 (3.5)	PCIF1 (3.1)	NOP58 (2.7)
0.35	>=0.20	TMEM214 (5.3)	ATG13 (4.8)	TBL2 (4.5)
0.35	>=0.20	SLC30A3 (3.0)	PYY (2.5)	VEGFA (2.4)
0.35	>=0.20	ARID1A (3.2)	MAU2 (3.1)	PCIF1 (2.5)
0.35	>=0.20	DHX38 (3.8)	SUGP1 (3.4)	BUD13 (3.3)
0.35	>=0.20	UBXN2B (3.5)	RSPO3 (2.7)	DOCK7 (2.6)
0.35	>=0.20	ATP13A1 (3.4)	ARFGAP2 (3.3)	NDUFS3 (3.0)
0.35	>=0.20	MYBPC3 (3.6)	VEGFA (3.4)	KDM3A (3.4)
0.35	>=0.20	CYP26A1 (4.4)	SDC1 (3.8)	SFN (3.7)
0.35	>=0.20	MAPK10 (3.6)	CASC4 (2.9)	NCAN (2.8)
0.35	>=0.20	NUP160 (3.5)	CTDSPL2 (3.4)	CAD (3.0)
0.35	>=0.20	ARID1A (4.2)	BAZ1B (3.5)	CELF1 (3.5)
0.35	>=0.20	MPV17 (3.9)	LPAR2 (3.0)	CTSB (2.9)
0.35	>=0.20	ARID1A (2.7)	C8orf49 (2.6)	LRP4 (2.4)
0.35	>=0.20	BCL3 (2.8)	MAFF (2.8)	NEIL2 (2.6)
0.35	>=0.20	BCL3 (2.8)	MAFF (2.8)	NEIL2 (2.6)
0.35	>=0.20	BCL3 (2.8)	MAFF (2.8)	NEIL2 (2.6)
0.35	>=0.20	BCL3 (2.8)	MAFF (2.8)	NEIL2 (2.6)
0.35	>=0.20	BCL3 (2.8)	MAFF (2.8)	NEIL2 (2.6)
0.35	>=0.20	SOST (2.9)	FDFT1 (2.5)	SIDT2 (2.4)
0.35	>=0.20	TAGLN (3.1)	CBLC (3.0)	BCAM (2.7)
0.35	>=0.20	CBLC (6.0)	C1orf172 (5.8)	KRTCAP3 (4.1)
0.35	>=0.20	CTSB (3.4)	G6PC3 (2.8)	VEGFA (2.6)
0.35	>=0.20	GATA4 (4.7)	MYBPC3 (4.7)	CYP26A1 (3.7)
0.35	>=0.20	RFX4 (6.9)	NCAN (5.1)	ENSG00000236827 (3
0.35	>=0.20	BCAM (5.2)	PVRL2 (4.3)	FAM167A (2.9)
0.35	>=0.20	TOMM40 (3.4)	MTCH2 (2.6)	GPN1 (2.5)
0.35	>=0.20	FZD9 (2.5)	CASC4 (2.1)	FRMD5 (1.9)
0.35	>=0.20	OST4 (3.1)	GATAD2A (2.2)	NOP58 (2.2)
0.35	>=0.20	BLK (2.9)	AFF1 (2.6)	GMIP (2.5)
0.35	>=0.20	IMMT (3.8)	PTCD3 (3.4)	ZNF259 (2.6)
0.35	>=0.20	ENSG00000236267 (3	C2orf53 (2.6)	NEIL2 (2.4)

0.35	>=0.20	GALNT2 (4.5)	C17orf105 (3.4)	C2orf16 (2.7)
0.35	>=0.20	FNBP4 (3.5)	ZNF512 (2.9)	DHX38 (2.9)
0.35	>=0.20	ENSG00000253379 (5	LRP4 (3.7)	CYP26A1 (2.8)
0.35	>=0.20	NFE2L3 (3.7)	ACP2 (2.8)	NR1H3 (2.7)
0.35	>=0.20	ZNF664 (3.1)	CELF1 (3.0)	ARID1A (2.9)
0.35	>=0.20	C1orf172 (5.3)	CBLC (4.4)	KRTCAP3 (3.4)
0.35	>=0.20	OST4 (4.5)	DOCK7 (3.3)	SUMO1 (2.9)
0.35	>=0.20	GPAM (3.3)	FADS1 (3.0)	FDFT1 (3.0)
0.35	>=0.20	PPM1G (3.6)	TOMM40 (3.6)	AMBRA1 (3.0)
0.35	>=0.20	BNC2 (3.1)	DOCK7 (2.1)	SDCBP (2.0)
0.35	>=0.20	FADS2 (2.8)	MPV17 (2.5)	SLC22A3 (2.4)
0.35	>=0.20	ENSG00000253379 (5	RSPO3 (4.6)	LRP4 (3.1)
0.35	>=0.20	CETP (2.9)	MPP2 (2.5)	EPB41L3 (2.5)
0.35	>=0.20	SNX17 (3.8)	IMMT (3.5)	PPM1G (3.4)
0.35	>=0.20	TMEM214 (3.3)	MAPRE3 (3.3)	HDAC5 (2.9)
0.35	>=0.20	GMIP (3.1)	ACP2 (2.6)	ABCA1 (2.5)
0.35	>=0.20	BLK (3.5)	KDM3A (3.3)	MAU2 (2.8)
0.35	>=0.20	PLA2G6 (2.3)	GALNT2 (2.3)	C8orf12 (2.0)
0.35	>=0.20	NFE2L3 (3.2)	BCL3 (3.2)	CYP7A1 (2.5)
0.35	>=0.20	MAU2 (4.0)	SUGP1 (3.8)	DHX38 (3.8)
0.35	>=0.20	LPAR2 (3.0)	GPAM (2.7)	ZNF664 (2.7)
0.35	>=0.20	PPY (9.6)	PYY (5.9)	MLXIPL (4.7)
0.35	>=0.20	FGF21 (3.6)	NRBF2 (3.1)	PVRL2 (2.8)
0.35	>=0.20	CYP26A1 (3.9)	C8orf49 (3.8)	DNAH10 (3.1)
0.35	>=0.20	NOP58 (4.2)	POLR1A (3.5)	PTCD3 (3.4)
0.35	>=0.20	NOP58 (3.1)	OST4 (3.0)	FNBP4 (2.2)
0.35	>=0.20	MTMR9 (3.6)	BLK (3.3)	HDAC5 (2.6)
0.36	>=0.20	POLR1A (4.7)	ZNF259 (4.6)	NOP58 (4.6)
0.36	>=0.20	BCAM (3.6)	PVRL2 (3.6)	SOST (3.1)
0.36	>=0.20	PPY (3.2)	MLXIPL (2.8)	HAPLN4 (2.7)
0.36	>=0.20	PGS1 (2.6)	ENSG00000257711 (2	ZDHHC18 (2.4)
0.36	>=0.20	AFF1 (2.6)	GMIP (2.4)	CMIP (2.3)
0.36	>=0.20	CYP26A1 (3.6)	C8orf49 (3.6)	PTPN13 (2.8)
0.36	>=0.20	OST4 (4.3)	NOP58 (2.2)	ENSG00000223522 (2
0.36	>=0.20	OST4 (4.3)	NOP58 (2.2)	ENSG00000223522 (2
0.36	>=0.20	SFN (4.2)	C1orf172 (3.4)	CBLC (2.8)
0.36	>=0.20	C1orf172 (2.2)	G6PC3 (2.0)	IMMT (1.9)
0.36	>=0.20	CTSB (2.7)	TAGLN (2.5)	ENSG00000235545 (2
0.36	>=0.20	ENSG00000200241 (3	KLF14 (2.8)	PBX4 (2.7)
0.36	>=0.20	DHX38 (3.4)	ZNF259 (3.4)	MFAP1 (3.2)
0.36	>=0.20	ENSG00000223522 (3	JMJD1C (2.9)	GATAD2A (2.6)
0.36	>=0.20	NOP58 (4.1)	PTCD3 (3.8)	POLR1A (3.6)
0.36	>=0.20	NOP58 (4.6)	ZNF259 (4.5)	POLR1A (4.3)
0.36	>=0.20	APOE (4.0)	CTSB (3.6)	BCL7B (3.2)
0.36	>=0.20	FNBP4 (3.5)	PCIF1 (3.0)	NOP58 (2.5)
0.36	>=0.20	PBX4 (3.4)	ZDHHC18 (2.5)	C1QTNF4 (2.5)
0.36	>=0.20	C17orf105 (3.3)	TSSK6 (3.2)	ENSG00000234945 (2
0.36	>=0.20	LPAR2 (3.1)	NFE2L3 (2.8)	MAPK10 (2.7)
0.36	>=0.20	FDFT1 (7.8)	FADS1 (6.1)	FADS2 (5.1)
0.36	>=0.20	FNBP4 (5.2)	NOP58 (2.9)	CELF1 (2.7)

0.36	>=0.20	CITED2 (3.4)	STRC (2.5)	ENSG00000256746 (2
0.36	>=0.20	NUP160 (3.9)	CAD (3.7)	GPN1 (3.3)
0.36	>=0.20	KDM3A (3.2)	BLK (3.1)	MAU2 (3.0)
0.36	>=0.20	MRPL35 (3.6)	NDUFS3 (3.6)	MRPL33 (3.5)
0.36	>=0.20	ARID1A (3.2)	MTMR9 (3.1)	LSM12 (2.7)
0.36	>=0.20	ARID1A (4.1)	BAZ1B (4.0)	CELF1 (3.0)
0.36	>=0.20	ARID1A (4.1)	BAZ1B (4.0)	CELF1 (3.0)
0.36	>=0.20	NDUFS3 (4.8)	MRPL35 (3.9)	PTPMT1 (3.3)
0.36	>=0.20	ARID1A (3.6)	LSM12 (2.7)	PCIF1 (2.5)
0.36	>=0.20	SDCBP (2.9)	UCN (2.7)	CTSB (2.7)
0.36	>=0.20	C2orf16 (2.8)	LINC00208 (2.7)	NRBF2 (2.1)
0.36	>=0.20	MAPK10 (3.9)	NCAN (3.3)	SLC30A3 (3.3)
0.36	>=0.20	TAGLN (4.0)	FZD9 (2.7)	RFX4 (2.6)
0.36	>=0.20	DHX38 (3.4)	ATP13A1 (2.4)	EIF2B4 (2.2)
0.36	>=0.20	MRPL33 (3.9)	CLPTM1 (3.8)	MFAP1 (3.6)
0.36	>=0.20	MRPL33 (3.9)	CLPTM1 (3.8)	MFAP1 (3.6)
0.36	>=0.20	CELF1 (2.6)	UBXN2B (2.6)	ARHGAP1 (2.4)
0.36	>=0.20	FADS2 (3.0)	FADS1 (2.9)	GPAM (2.7)
0.36	>=0.20	VEGFA (2.9)	FAM167A (2.8)	ENSG00000255020 (2
0.36	>=0.20	BLK (6.4)	GMIP (3.6)	TIMD4 (2.5)
0.36	>=0.20	GATA4 (3.5)	SPG11 (2.9)	PCIF1 (2.8)
0.36	>=0.20	BLK (3.3)	GMIP (2.5)	DHX38 (2.5)
0.36	>=0.20	SUGP1 (3.5)	FNBP4 (3.4)	ARID1A (3.2)
0.36	>=0.20	AFF1 (4.0)	KLF14 (3.4)	TDH (2.1)
0.36	>=0.20	SDC1 (3.6)	TRIB1 (3.1)	NCAN (2.6)
0.36	>=0.20	DOCK7 (2.8)	DOCK6 (2.4)	ARFGAP2 (2.3)
0.36	>=0.20	ZNF259 (4.4)	POLR1A (3.9)	NOP58 (3.9)
0.36	>=0.20	BLK (5.3)	TIMD4 (3.3)	CETP (2.9)
0.36	>=0.20	CILP2 (4.1)	CYP26A1 (3.7)	SOST (2.8)
0.36	>=0.20	ENSG00000254235 (3	ENSG00000236267 (2	CASC4 (2.6)
0.36	>=0.20	CAD (3.9)	NUP160 (3.7)	USP1 (3.6)
0.36	>=0.20	ENSG00000222035 (3	SLC30A3 (2.6)	UCN (2.4)
0.36	>=0.20	BUD13 (3.8)	DR1 (2.6)	CITED2 (2.2)
0.36	>=0.20	FNBP4 (3.3)	NFE2L3 (3.1)	BCL3 (2.6)
0.36	>=0.20	IMMT (4.0)	MTCH2 (3.3)	PTCD3 (3.0)
0.36	>=0.20	MRPL35 (4.1)	MRPL33 (4.0)	OST4 (3.8)
0.36	>=0.20	BCAM (2.7)	PPIP5K1 (2.6)	CMIP (2.6)
0.36	>=0.20	FZD9 (2.4)	FAM167A (2.3)	TIMD4 (2.3)
0.36	>=0.20	ENSG00000226645 (4	TRIB1 (3.8)	CITED2 (3.2)
0.36	>=0.20	SDC1 (3.4)	KANK2 (2.4)	PTPRJ (2.3)
0.36	>=0.20	CAD (4.6)	POLR1A (4.3)	TOMM40 (4.3)
0.36	>=0.20	CAD (4.6)	POLR1A (4.3)	TOMM40 (4.3)
0.36	>=0.20	DDB2 (3.9)	COBLL1 (3.1)	ABCA1 (2.0)
0.36	>=0.20	ABCA1 (3.0)	ACP2 (2.3)	BLK (2.3)
0.36	>=0.20	NOP58 (5.6)	EIF3J (4.6)	POLR1A (4.1)
0.36	>=0.20	ZDHHC18 (3.9)	GMIP (3.6)	CSGALNACT1 (2.8)
0.36	>=0.20	MYBPC3 (4.9)	RASIP1 (3.6)	DOCK6 (2.5)
0.36	>=0.20	BLK (3.4)	KDM3A (3.2)	LRP4 (2.5)
0.37	>=0.20	IZUMO1 (3.3)	TDH (2.5)	ACP2 (2.4)
0.37	>=0.20	C8orf12 (3.1)	ARID1A (3.1)	PCIF1 (2.8)

0.37	>=0.20	PLTP (4.7)	APOC1 (2.5)	ABCA1 (2.4)
0.37	>=0.20	CBLC (5.6)	C1orf172 (5.4)	SFN (4.0)
0.37	>=0.20	CBLC (5.7)	C1orf172 (5.2)	KRTCAP3 (3.6)
0.37	>=0.20	C17orf105 (4.6)	KDM3A (4.2)	VEGFA (3.2)
0.37	>=0.20	NOP58 (5.4)	ZNF259 (4.7)	POLR1A (4.3)
0.37	>=0.20	LINC00208 (2.8)	MAFF (2.6)	CCDC121 (2.1)
0.37	>=0.20	CD300LG (3.6)	BCAM (3.2)	RASIP1 (3.0)
0.37	>=0.20	ENSG00000257711 (3	ENSG00000256746 (3	ENSG00000235545 (3
0.37	>=0.20	OST4 (4.4)	MRPL33 (4.1)	SUMO1 (3.2)
0.37	>=0.20	MADD (3.0)	TRIB1 (2.9)	DR1 (2.6)
0.37	>=0.20	CAD (3.8)	EIF2B4 (3.7)	SNX17 (3.6)
0.37	>=0.20	G6PC3 (4.5)	TMED5 (4.2)	C2orf28 (3.7)
0.37	>=0.20	BLK (3.1)	TIMD4 (2.2)	NFE2L3 (1.9)
0.37	>=0.20	GATAD2A (3.8)	MTMR9 (3.7)	CMIP (2.5)
0.37	>=0.20	ATG13 (2.7)	CD300LG (2.6)	NRBP1 (2.4)
0.37	>=0.20	TRIM54 (3.2)	DUSP3 (3.1)	DOCK6 (2.5)
0.37	>=0.20	FDFT1 (6.8)	FADS2 (4.4)	FADS1 (4.3)
0.37	>=0.20	TRIB1 (5.7)	MAFF (3.9)	CITED2 (3.1)
0.37	>=0.20	ENSG00000223522 (3	PACSIN3 (2.6)	REEP3 (2.6)
0.37	>=0.20	BLK (5.9)	GMIP (5.2)	ZDHHC18 (2.7)
0.37	>=0.20	ENSG00000235545 (2	DOCK7 (2.8)	BCAM (2.5)
0.37	>=0.20	AMBRA1 (4.0)	PACSIN3 (2.9)	HARBI1 (2.7)
0.37	>=0.20	CBLC (4.9)	C1orf172 (4.9)	SDC1 (3.8)
0.37	>=0.20	GALNT2 (2.7)	AFF1 (2.5)	ARHGAP1 (2.4)
0.37	>=0.20	TAGLN (3.5)	SDC1 (3.3)	GATAD2A (3.0)
0.37	>=0.20	DHX38 (3.7)	SUGP1 (3.4)	FNBP4 (3.3)
0.37	>=0.20	TMEM214 (4.8)	C2orf28 (4.0)	PDIA3 (3.6)
0.37	>=0.20	FZD9 (5.0)	CILP2 (3.7)	CSGALNACT1 (3.3)
0.37	>=0.20	MAFF (4.6)	TRIB1 (4.3)	VEGFA (3.9)
0.37	>=0.20	PCSK7 (3.7)	PAFAH1B2 (3.2)	AFF1 (3.1)
0.37	>=0.20	LSM12 (3.0)	GATAD2A (2.2)	ZNF664 (2.2)
0.37	>=0.20	KRTCAP3 (3.3)	CD300LG (2.8)	FRMD5 (2.7)
0.37	>=0.20	NOP58 (2.8)	MRPL33 (2.1)	CD300LG (2.1)
0.37	>=0.20	ARHGAP1 (3.2)	NRBP1 (3.2)	CD300LG (2.9)
0.37	>=0.20	NAGS (2.8)	TMEM175 (2.2)	NEIL2 (2.1)
0.37	>=0.20	CILP2 (5.0)	CYP26A1 (4.4)	SOST (3.2)
0.37	>=0.20	FNBP4 (3.6)	C1orf172 (3.0)	FUT2 (2.6)
0.37	>=0.20	MTCH2 (4.1)	EIF2B4 (3.1)	IMMT (3.1)
0.37	>=0.20	ENSG00000256731 (5	LPAL2 (3.7)	ENSG00000182329 (3
0.37	>=0.20	FUT1 (3.0)	PREB (2.6)	SNX17 (2.5)
0.37	>=0.20	NOP58 (5.0)	ZNF259 (3.6)	POLR1A (3.4)
0.37	>=0.20	SNX17 (2.8)	EIF2B4 (2.6)	SUMO1 (2.5)
0.37	>=0.20	CCDC121 (3.1)	PYY (2.2)	LPAR2 (2.2)
0.37	>=0.20	FZD9 (3.1)	ENSG00000253379 (3	BNC2 (2.9)
0.37	>=0.20	NDUFS3 (4.1)	PTPMT1 (3.6)	UBXN2B (2.8)
0.37	>=0.20	TRIB1 (4.4)	DOCK7 (2.9)	DNAH10 (2.4)
0.37	>=0.20	PTPN13 (2.9)	NCAN (2.8)	ABO (2.8)
0.37	>=0.20	KDM3A (3.0)	MFAP1 (2.9)	BUD13 (2.8)
0.37	>=0.20	ENSG00000234945 (3	ENSG00000236827 (2	ENSG00000257711 (2
0.37	>=0.20	TRIM54 (5.1)	PACSIN3 (3.9)	C1orf172 (2.7)

0.37 >=0.20	IMMT (4.1)	SNX17 (4.1)	CAD (3.8)
0.37 >=0.20	C11orf9 (3.3)	APOE (3.0)	MAP1A (2.5)
0.37 >=0.20	C1orf172 (2.1)	TMEM101 (2.0)	G6PC3 (1.9)
0.37 >=0.20	MTCH2 (3.9)	NFE2L3 (3.4)	IMMT (3.1)
0.37 >=0.20	RASIP1 (3.3)	CD300LG (2.9)	DOCK6 (2.8)
0.37 >=0.20	RFX4 (4.0)	FZD9 (2.5)	COBLL1 (2.3)
0.37 >=0.20	NRBF2 (3.7)	FNDC4 (2.4)	PGS1 (2.3)
0.37 >=0.20	PPM1G (3.4)	IMMT (3.4)	TOMM40 (3.2)
0.37 >=0.20	BLK (7.5)	GALNT2 (2.7)	DDB2 (2.4)
0.37 >=0.20	TAGLN (3.7)	ZNF408 (3.0)	GATAD2A (2.6)
0.37 >=0.20	NAGS (3.2)	CYP7A1 (3.1)	KHK (2.9)
0.37 >=0.20	SLC22A3 (2.6)	KLF14 (2.4)	MAPK10 (2.3)
0.38 >=0.20	RASIP1 (3.8)	EMILIN1 (3.3)	DOCK6 (3.2)
0.38 >=0.20	REEP3 (2.4)	C1orf172 (2.1)	CATSPER2 (1.9)
0.38 >=0.20	RASIP1 (4.2)	TAGLN (3.8)	GMIP (2.9)
0.38 >=0.20	SFN (3.2)	PYY (3.1)	KRTCAP3 (3.1)
0.38 >=0.20	GATA4 (2.5)	KANK2 (2.4)	CYP26A1 (2.4)
0.38 >=0.20	KDM3A (3.6)	BLK (3.5)	MAU2 (2.6)
0.38 >=0.20	GATAD2A (2.9)	EIF3J (2.7)	BRE (2.5)
0.38 >=0.20	GTF3C2 (3.5)	AMBRA1 (3.0)	AFF1 (2.9)
0.38 >=0.20	PDIA3 (5.4)	TMEM214 (3.4)	TBL2 (3.3)
0.38 >=0.20	BCL3 (4.0)	MAFF (3.8)	PTPRJ (2.5)
0.38 >=0.20	FNBP4 (4.4)	INTS10 (4.2)	GTF3C2 (2.9)
0.38 >=0.20	FADS1 (3.2)	FADS2 (3.0)	GPAM (2.9)
0.38 >=0.20	C2orf28 (2.9)	CTSB (2.7)	NEIL2 (2.5)
0.38 >=0.20	BLK (4.4)	BCL3 (4.0)	ZDHHC18 (2.5)
0.38 >=0.20	GMIP (4.1)	CMIP (3.0)	BMPR2 (2.7)
0.38 >=0.20	BCL3 (3.6)	PGS1 (2.8)	BMPR2 (2.2)
0.38 >=0.20	CYP26A1 (2.7)	BNC2 (2.5)	ENSG00000255020 (2
0.38 >=0.20	RFX4 (4.1)	DPYSL5 (3.6)	CYP26A1 (3.2)
0.38 >=0.20	BLK (6.3)	NR1H3 (2.8)	GMIP (2.5)
0.38 >=0.20	PDIA3 (4.7)	CLPTM1 (3.7)	TMEM101 (3.3)
0.38 >=0.20	ENSG00000253379 (3	PVRL2 (3.2)	BNC2 (3.0)
0.38 >=0.20	OST4 (3.8)	NSMAF (3.2)	NOP58 (3.1)
0.38 >=0.20	MYBPC3 (5.5)	KLF14 (5.0)	MPP3 (2.7)
0.38 >=0.20	LRP4 (2.7)	PTPRJ (2.6)	CCDC121 (2.6)
0.38 >=0.20	AGBL5 (2.5)	SIK3 (2.3)	CKAP5 (2.2)
0.38 >=0.20	FDFT1 (17.1)	FADS1 (13.3)	FADS2 (12.7)
0.38 >=0.20	TXNL4B (3.0)	MFAP1 (2.6)	IMMT (2.5)
0.38 >=0.20	ATG13 (2.4)	SNX17 (2.3)	PAFAH1B2 (2.2)
0.38 >=0.20	RASIP1 (5.5)	DOCK6 (4.9)	HDAC5 (2.3)
0.38 >=0.20	G6PC3 (2.6)	ANGPTL4 (2.6)	GPAM (2.5)
0.38 >=0.20	G6PC3 (2.6)	ANGPTL4 (2.6)	GPAM (2.5)
0.38 >=0.20	RSPO3 (4.3)	BMPR2 (4.1)	CYP26A1 (2.8)
0.38 >=0.20	CCDC18 (3.5)	RSPO3 (3.3)	BCL7B (3.0)
0.38 >=0.20	CYP26A1 (3.5)	DPYSL5 (2.5)	PTPN13 (2.2)
0.38 >=0.20	AFF1 (3.5)	CKAP5 (2.5)	PGS1 (2.3)
0.38 >=0.20	BLK (3.5)	KDM3A (3.4)	MAU2 (2.6)
0.38 >=0.20	FNBP4 (5.0)	ZNF335 (3.2)	INTS10 (2.8)
0.38 >=0.20	BMPR2 (3.7)	DNAH10 (3.0)	ENSG00000226645 (2

0.38 >=0.20	BLK (5.1)	ZDHHC18 (3.1)	PBX4 (2.4)
0.38 >=0.20	DHX38 (3.6)	PCIF1 (3.4)	INTS10 (3.3)
0.38 >=0.20	RFX4 (3.8)	DPYSL5 (3.5)	LRP4 (2.8)
0.38 >=0.20	PTPRJ (3.4)	DDB2 (3.1)	CELF1 (3.0)
0.38 >=0.20	PTPRJ (3.4)	DDB2 (3.1)	CELF1 (3.0)
0.38 >=0.20	PTPRJ (3.4)	DDB2 (3.1)	CELF1 (3.0)
0.38 >=0.20	IMMT (4.2)	CAD (3.9)	SNX17 (3.9)
0.38 >=0.20	NUP160 (4.1)	CAD (3.9)	USP1 (3.6)
0.38 >=0.20	SLC5A6 (3.3)	KLF14 (2.7)	MAMSTR (2.6)
0.38 >=0.20	DHX38 (4.3)	ARID1A (4.1)	PCIF1 (3.5)
0.38 >=0.20	RASIP1 (4.6)	DOCK6 (3.6)	CYP26A1 (2.8)
0.38 >=0.20	SIDT2 (3.6)	C8orf12 (2.8)	FNDC4 (2.7)
0.38 >=0.20	DHX38 (4.5)	SUGP1 (4.0)	INTS10 (3.9)
0.38 >=0.20	CAD (2.5)	TMEM214 (2.5)	FEN1 (2.5)
0.38 >=0.20	MYBPC3 (4.1)	DNAJC5G (3.0)	C8orf49 (2.7)
0.38 >=0.20	PIGV (4.5)	BRE (4.1)	KBTBD4 (3.6)
0.38 >=0.20	ENSG00000182319 (3	PVRL2 (2.6)	MTMR9 (2.5)
0.38 >=0.20	PCSK7 (2.8)	MTCH2 (2.6)	FNBP4 (2.5)
0.38 >=0.20	NAT2 (2.9)	ABHD1 (2.8)	CYP7A1 (2.7)
0.38 >=0.20	TAGLN (6.2)	KRTCAP3 (2.9)	SFN (2.7)
0.38 >=0.20	ENSG00000179523 (2	ENSG00000223522 (2	PVRL2 (2.1)
0.38 >=0.20	CYP26A1 (3.1)	CCDC121 (1.9)	PLTP (1.8)
0.38 >=0.20	BCAM (4.3)	TAGLN (3.9)	CILP2 (3.5)
0.38 >=0.20	ENSG00000226645 (3	ENSG00000236267 (2	ATG4C (2.4)
0.38 >=0.20	CLPTM1 (3.1)	HP (3.0)	IGF2R (2.8)
0.38 >=0.20	DDB2 (2.9)	REEP3 (2.5)	FGF21 (2.5)
0.39 >=0.20	TAGLN (3.4)	BNC2 (3.3)	C11orf9 (3.3)
0.39 >=0.20	PPY (5.6)	PYY (4.6)	MLXIPL (2.6)
0.39 >=0.20	C1orf172 (6.6)	CBLC (5.0)	SFN (4.7)
0.39 >=0.20	NUP160 (3.4)	FNBP4 (3.4)	NOP58 (3.0)
0.39 >=0.20	ENSG00000236827 (2	RSPO3 (2.4)	CD300LG (1.9)
0.39 >=0.20	CETP (2.7)	FGF21 (2.7)	ENSG00000179523 (2
0.39 >=0.20	PTPRJ (2.6)	GATAD2A (2.6)	COBLL1 (2.4)
0.39 >=0.20	GPN2 (3.2)	RIC8B (3.0)	GTF3C2 (3.0)
0.39 >=0.20	RASIP1 (3.3)	DOCK6 (3.0)	FUT1 (2.9)
0.39 >=0.20	FNBP4 (4.0)	BUD13 (3.8)	NUP160 (3.5)
0.39 >=0.20	UBXN2B (2.7)	CCDC92 (2.6)	AMBRA1 (2.4)
0.39 >=0.20	C2orf16 (3.5)	C11orf9 (3.4)	DNAH10 (3.3)
0.39 >=0.20	HP (2.9)	APOE (2.8)	CTSB (2.7)
0.39 >=0.20	OST4 (5.1)	FNBP4 (2.6)	TXNL4B (2.6)
0.39 >=0.20	OST4 (5.1)	FNBP4 (2.6)	TXNL4B (2.6)
0.39 >=0.20	MTCH2 (4.1)	EIF2B4 (3.5)	NFE2L3 (3.2)
0.39 >=0.20	FNBP4 (4.4)	INTS10 (3.7)	CELF1 (2.9)
0.39 >=0.20	ENSG00000236827 (2	RSPO3 (2.6)	CD300LG (2.2)
0.39 >=0.20	ENSG00000222035 (3	ENSG00000236827 (3	UCN (2.6)
0.39 >=0.20	SLC30A3 (3.7)	BCAM (2.9)	RASIP1 (2.8)
0.39 >=0.20	FNBP4 (4.6)	INTS10 (3.9)	CELF1 (2.8)
0.39 >=0.20	FNBP4 (4.6)	INTS10 (3.9)	CELF1 (2.8)
0.39 >=0.20	FNBP4 (4.6)	INTS10 (3.9)	CELF1 (2.8)
0.39 >=0.20	FNBP4 (4.0)	BUD13 (3.3)	NUP160 (3.1)

0.39	>=0.20	DDB2 (4.0)	NSMAF (2.7)	WDR76 (2.6)
0.39	>=0.20	NUP160 (3.9)	CAD (3.5)	GPN1 (3.4)
0.39	>=0.20	DDB2 (3.3)	CGREF1 (2.3)	EMILIN1 (2.3)
0.39	>=0.20	MAPRE3 (4.2)	TRIB1 (3.9)	SDCBP (3.1)
0.39	>=0.20	SFN (2.9)	FUT1 (2.1)	CSGALNACT1 (1.6)
0.39	>=0.20	C17orf105 (2.9)	NEIL2 (2.9)	DNAJC5G (2.9)
0.39	>=0.20	ENSG00000179523 (3	SPG11 (2.3)	NAGS (2.2)
0.39	>=0.20	CBLC (4.9)	C1orf172 (4.5)	SDC1 (2.8)
0.39	>=0.20	EPB41L3 (2.8)	PLA2G6 (2.5)	CMIP (2.2)
0.39	>=0.20	CILP2 (6.8)	FZD9 (5.8)	RSPO3 (2.7)
0.39	>=0.20	ABHD1 (2.6)	RIC8B (2.4)	PLA2G6 (2.4)
0.39	>=0.20	BMPR2 (6.0)	RSPO3 (3.3)	LPL (2.2)
0.39	>=0.20	BCAM (3.9)	TAGLN (2.9)	PACSIN3 (2.8)
0.39	>=0.20	RSPO3 (3.3)	MAPK10 (3.0)	DOCK6 (2.5)
0.39	>=0.20	SUGP1 (3.7)	PCIF1 (3.1)	DHX38 (3.0)
0.39	>=0.20	MTF2 (3.6)	CELF1 (2.8)	BAZ1B (2.4)
0.39	>=0.20	NOP58 (5.9)	POLR1A (4.6)	ZNF259 (4.5)
0.39	>=0.20	RFX4 (5.1)	NCAN (4.1)	DPYSL5 (3.1)
0.39	>=0.20	NAT2 (2.4)	TMEM101 (2.2)	SDC1 (2.2)
0.39	>=0.20	ABO (3.9)	BCAM (3.3)	ENSG00000256746 (2
0.39	>=0.20	DDB2 (4.4)	PTPRJ (2.4)	REEP3 (2.3)
0.39	>=0.20	DUSP3 (3.3)	CHMP3 (3.2)	SDCBP (2.8)
0.39	>=0.20	PLTP (2.7)	CTSB (2.4)	RBKS (2.3)
0.39	>=0.20	ENSG00000253379 (4	KLF14 (2.7)	BCAM (2.1)
0.39	>=0.20	BCL3 (4.8)	PGS1 (4.6)	C2orf53 (2.3)
0.39	>=0.20	C8orf49 (4.6)	DNAJC5G (3.0)	ENSG00000254235 (3
0.39	>=0.20	REEP3 (4.5)	MTMR9 (4.0)	ATG4C (3.2)
0.39	>=0.20	KDM3A (2.6)	TRIB1 (2.4)	FNBP4 (2.4)
0.39	>=0.20	IMMT (3.6)	MTCH2 (3.4)	EIF3J (3.2)
0.39	>=0.20	MTCH2 (4.6)	NDUFS3 (3.8)	EIF2B4 (3.4)
0.39	>=0.20	AFF1 (2.9)	DR1 (2.2)	TMEM101 (2.0)
0.39	>=0.20	ARID1A (3.3)	USP1 (3.1)	BAZ1B (2.9)
0.39	>=0.20	ATG13 (4.3)	TMEM214 (4.3)	PCSK7 (3.9)
0.39	>=0.20	CAD (3.5)	MPV17 (3.1)	DHODH (2.6)
0.39	>=0.20	CLPTM1 (3.7)	MPV17 (3.1)	CHMP3 (2.5)
0.39	>=0.20	CLPTM1 (3.7)	MPV17 (3.1)	CHMP3 (2.5)
0.39	>=0.20	SLC30A3 (3.7)	NCAN (3.0)	FAM167A (2.5)
0.39	>=0.20	ENSG00000253379 (6	ZNF664 (2.5)	MPP2 (2.3)
0.39	>=0.20	DPYSL5 (2.9)	LRP4 (2.4)	ACP2 (2.4)
0.39	>=0.20	ENSG00000200241 (3	PPM1G (2.9)	IMMT (2.7)
0.39	>=0.20	PPY (5.6)	PYY (4.6)	MLXIPL (2.6)
0.39	>=0.20	PPY (5.6)	PYY (4.6)	MLXIPL (2.6)
0.39	>=0.20	TECTB (3.7)	APOC1 (2.7)	NR1H3 (2.3)
0.39	>=0.20	DOCK7 (2.9)	GATAD2A (2.9)	ENSG00000235545 (2
0.39	>=0.20	CTSB (3.9)	C2orf28 (3.7)	PLTP (2.5)
0.4	>=0.20	TDH (2.9)	LPA (2.4)	CYP7A1 (2.4)
0.4	>=0.20	TOMM40 (4.5)	GPN1 (3.9)	GPN2 (3.5)
0.4	>=0.20	BAZ1B (4.3)	FNBP4 (3.4)	GATAD2A (3.2)
0.4	>=0.20	ZNF335 (3.3)	CKAP5 (2.9)	DR1 (2.4)
0.4	>=0.20	ZDHHC18 (3.4)	GMIP (3.0)	RASIP1 (2.6)

0.4	>=0.20	RSPO3 (4.1)	CYP7A1 (2.5)	BNC2 (2.3)
0.4	>=0.20	NUP160 (4.0)	USP1 (3.7)	CAD (3.3)
0.4	>=0.20	CAD (4.0)	KDM3A (3.7)	GTF3C2 (3.5)
0.4	>=0.20	ENSG00000256731 (4	LPAL2 (2.9)	ENSG00000223745 (2
0.4	>=0.20	CILP2 (6.3)	FZD9 (4.1)	TAGLN (3.6)
0.4	>=0.20	FNDC4 (3.3)	UCN (3.1)	DPYSL5 (2.4)
0.4	>=0.20	CBLC (3.2)	BCAM (3.2)	SDC1 (3.1)
0.4	>=0.20	BRE (2.7)	MTCH2 (2.7)	NDUFS3 (2.6)
0.4	>=0.20	C17orf105 (6.1)	TSSK6 (4.8)	C2orf53 (3.8)
0.4	>=0.20	SUMO1 (4.0)	MRPL35 (3.0)	GATAD2A (2.9)
0.4	>=0.20	TRIB1 (3.1)	PCIF1 (3.1)	BMPR2 (2.7)
0.4	>=0.20	PIGV (2.8)	C2orf53 (2.2)	PMFBP1 (2.1)
0.4	>=0.20	ZNF513 (3.2)	BAZ1B (2.4)	MAFF (2.4)
0.4	>=0.20	AMBRA1 (3.9)	HARBI1 (2.6)	AGBL5 (2.3)
0.4	>=0.20	ENSG00000226645 (3	TRIB1 (2.9)	LPAR2 (2.3)
0.4	>=0.20	NR1H3 (2.7)	TM6SF2 (2.0)	ENSG00000182319 (1
0.4	>=0.20	CBLC (5.2)	C1orf172 (4.5)	PVRL2 (3.1)
0.4	>=0.20	CCDC18 (2.9)	ARFGAP2 (2.6)	USP1 (2.6)
0.4	>=0.20	FNBP4 (3.9)	BUD13 (3.2)	NUP160 (3.1)
0.4	>=0.20	LPL (2.8)	GPAM (2.5)	CILP2 (2.3)
0.4	>=0.20	ARID1A (3.1)	BAZ1B (2.8)	USP1 (2.8)
0.4	>=0.20	BCL3 (3.4)	SDCBP (3.0)	GTF3C2 (2.9)
0.4	>=0.20	FADS2 (3.3)	GATA4 (3.0)	ARID1A (2.8)
0.4	>=0.20	ENSG00000256746 (3	LPAR2 (3.0)	ENSG00000236827 (2
0.4	>=0.20	PTPRJ (2.4)	GALNT2 (2.2)	ENSG00000235545 (2
0.4	>=0.20	CSGALNACT1 (2.7)	SLC22A3 (2.4)	PIGV (2.2)
0.4	>=0.20	FDFT1 (4.8)	C2orf28 (4.0)	TMEM175 (3.5)
0.4	>=0.20	NOP58 (4.3)	OST4 (3.3)	GPN1 (2.2)
0.4	>=0.20	NSMAF (3.8)	PTPRJ (2.8)	C2orf16 (2.8)
0.4	>=0.20	DOCK6 (2.8)	ZNF513 (2.4)	CD300LG (2.3)
0.4	>=0.20	BLK (7.0)	CETP (4.5)	TIMD4 (2.9)
0.4	>=0.20	ZNF513 (2.9)	ZDHHC18 (2.7)	PCSK7 (2.4)
0.4	>=0.20	EIF3J (2.6)	HARBI1 (2.5)	PPM1G (2.4)
0.4	>=0.20	BMPR2 (3.1)	PACSIN3 (3.0)	MRPL33 (2.7)
0.4	>=0.20	AMBRA1 (4.1)	PACSIN3 (2.8)	HARBI1 (2.5)
0.4	>=0.20	FNBP4 (3.6)	NUP160 (3.4)	BUD13 (3.2)
0.4	>=0.20	SNX17 (4.5)	PPM1G (3.0)	PREB (2.5)
0.4	>=0.20	C17orf105 (5.8)	TSSK6 (4.6)	C2orf53 (4.4)
0.4	>=0.20	IMMT (2.3)	G6PC3 (2.2)	ENSG00000223522 (2
0.4	>=0.20	FNBP4 (3.0)	PPM1G (2.4)	IMMT (2.3)
0.4	>=0.20	JMJD1C (3.2)	BMPR2 (2.7)	ZDHHC18 (2.3)
0.4	>=0.20	DHX38 (2.4)	TOMM40 (2.2)	POLR1A (2.2)
0.4	>=0.20	PTPMT1 (2.4)	PCIF1 (2.3)	FUT2 (2.3)
0.4	>=0.20	ENSG00000200241 (3	FNBP4 (3.1)	ENSG00000253379 (2
0.4	>=0.20	CBLC (5.9)	C1orf172 (5.9)	KRTCAP3 (4.0)
0.4	>=0.20	BMPR2 (5.5)	EPB41L3 (2.9)	LPL (2.4)
0.4	>=0.20	FNBP4 (5.9)	MTF2 (3.6)	KDM3A (2.9)
0.4	>=0.20	KLF14 (3.6)	ENSG00000236827 (3	AFF1 (2.2)
0.4	>=0.20	CAD (2.9)	IMMT (2.8)	SNX17 (2.5)
0.4	>=0.20	SIK3 (3.1)	PACSIN3 (2.8)	ZNF335 (2.8)

0.4	>=0.20	SFN (7.4)	SDC1 (2.9)	ENSG00000236267 (2
0.41	>=0.20	EMILIN1 (6.3)	TAGLN (4.5)	BNC2 (3.5)
0.41	>=0.20	TMEM175 (5.6)	TMEM101 (4.6)	PIGV (3.9)
0.41	>=0.20	GATAD2A (2.8)	NSMAF (2.5)	ZNF664 (2.5)
0.41	>=0.20	MFAP1 (3.4)	TP53BP1 (3.3)	CKAP5 (3.3)
0.41	>=0.20	NOP58 (4.7)	ZNF259 (2.8)	PTCD3 (2.5)
0.41	>=0.20	SOST (2.8)	EMILIN1 (2.7)	CGREF1 (2.4)
0.41	>=0.20	SOST (3.0)	CYP26A1 (2.6)	CCDC121 (2.5)
0.41	>=0.20	CILP2 (6.3)	EMILIN1 (4.6)	FZD9 (3.8)
0.41	>=0.20	CYP26A1 (4.2)	ABO (3.1)	C8orf49 (2.5)
0.41	>=0.20	HDAC5 (2.4)	ATG4C (2.4)	MADD (2.1)
0.41	>=0.20	TAGLN (5.1)	KANK2 (3.1)	ENSG00000182319 (3
0.41	>=0.20	SUGP1 (3.4)	ATG13 (2.9)	MFAP1 (2.8)
0.41	>=0.20	NOP58 (4.5)	ZNF259 (4.0)	EIF2B4 (3.6)
0.41	>=0.20	ARID1A (2.7)	RSPO3 (2.7)	MTF2 (2.2)
0.41	>=0.20	PDIA3 (5.3)	NRBP1 (4.4)	TMEM214 (3.8)
0.41	>=0.20	ABHD1 (3.1)	TDH (3.0)	ENSG00000255020 (2
0.41	>=0.20	DDB2 (3.2)	DR1 (2.3)	SIK3 (2.2)
0.41	>=0.20	C2orf28 (3.3)	STRC (2.4)	HP (2.4)
0.41	>=0.20	C2orf28 (3.3)	STRC (2.4)	HP (2.4)
0.41	>=0.20	SDCBP (2.3)	ENSG00000255020 (2	PBX4 (2.1)
0.41	>=0.20	ZNF259 (3.1)	DUSP3 (3.1)	PAFAH1B2 (2.7)
0.41	>=0.20	APOC1 (3.8)	PLTP (3.2)	NRBF2 (2.8)
0.41	>=0.20	BAZ1B (2.8)	ENSG00000256746 (2	BCL7B (2.4)
0.41	>=0.20	SLC22A3 (2.4)	C2orf16 (2.2)	TMED5 (2.0)
0.41	>=0.20	RFX4 (3.5)	CYP26A1 (3.4)	DPYSL5 (3.3)
0.41	>=0.20	C11orf9 (5.7)	REEP3 (3.2)	SFN (3.1)
0.41	>=0.20	POLR1A (3.8)	NOP58 (3.8)	GPN1 (3.4)
0.41	>=0.20	ENSG00000222035 (2	ENSG00000235545 (2	ZNF512 (2.5)
0.41	>=0.20	RFX4 (3.6)	AGBL2 (3.5)	IFT172 (3.1)
0.41	>=0.20	KLF14 (3.0)	TDH (2.8)	ENSG00000234945 (2
0.41	>=0.20	TRIB1 (3.2)	CLPTM1 (2.2)	AGBL5 (2.2)
0.41	>=0.20	TM6SF2 (3.8)	C2orf53 (3.2)	ABHD1 (2.6)
0.41	>=0.20	SLC22A3 (3.1)	HAPLN4 (3.0)	MPP3 (2.5)
0.41	>=0.20	ARID1A (2.6)	CITED2 (2.4)	HDAC5 (2.2)
0.41	>=0.20	ABCA1 (2.8)	TIMD4 (2.8)	NR1H3 (2.6)
0.41	>=0.20	OST4 (3.6)	MRPL33 (3.5)	TOMM40 (3.1)
0.41	>=0.20	CILP2 (8.1)	FZD9 (6.1)	EMILIN1 (4.5)
0.41	>=0.20	LPA (4.0)	CCDC92 (3.3)	CSGALNACT1 (3.0)
0.41	>=0.20	TMEM175 (5.0)	TMEM101 (4.6)	PIGV (3.5)
0.41	>=0.20	ZNF335 (2.9)	BUD13 (2.6)	HDAC5 (2.5)
0.41	>=0.20	HAPLN4 (4.5)	MPP3 (2.6)	IGF2R (2.6)
0.41	>=0.20	BLK (7.2)	BCL3 (4.1)	ZDHHC18 (3.2)
0.41	>=0.20	CCDC121 (2.5)	KLF14 (2.1)	MFAP1 (2.0)
0.41	>=0.20	ABO (3.2)	ENSG00000254235 (3	ENSG00000223745 (2
0.41	>=0.20	IMMT (4.1)	SNX17 (4.0)	CAD (3.8)
0.41	>=0.20	ZNF513 (2.6)	NFE2L3 (2.4)	ATG4C (2.2)
0.41	>=0.20	G6PC3 (5.3)	PDIA3 (5.2)	TMED5 (5.0)
0.41	>=0.20	OST4 (4.0)	GPN1 (2.7)	NUP160 (2.6)
0.41	>=0.20	MTCH2 (4.2)	NDUFS3 (3.3)	EIF2B4 (3.0)

0.41 >=0.20	NOP58 (3.4)	DHODH (2.8)	PTCD3 (2.8)
0.41 >=0.20	RASIP1 (4.0)	DOCK6 (3.5)	HDAC5 (3.0)
0.41 >=0.20	PBX4 (2.7)	MPP3 (2.6)	PTPRJ (2.4)
0.41 >=0.20	PMFBP1 (2.7)	AFF1 (2.7)	ENSG00000255020 (2
0.41 >=0.20	NFE2L3 (3.3)	MTCH2 (2.8)	SFN (2.5)
0.41 >=0.20	MTCH2 (4.8)	EIF2B4 (4.3)	NFE2L3 (3.4)
0.41 >=0.20	PTPN13 (2.9)	FZD9 (2.9)	RSPO3 (2.8)
0.41 >=0.20	LINC00208 (2.3)	UCN (2.2)	BMPR2 (2.1)
0.41 >=0.20	TSSK6 (7.7)	C17orf105 (6.9)	C2orf53 (6.8)
0.41 >=0.20	NOP58 (4.8)	ZNF259 (4.8)	POLR1A (4.4)
0.41 >=0.20	CHMP3 (2.9)	PVRL2 (2.1)	PGS1 (2.0)
0.41 >=0.20	KDM3A (3.5)	GTF3C2 (2.8)	CTSB (2.7)
0.41 >=0.20	OST4 (4.0)	NOP58 (3.0)	MRPL33 (2.5)
0.41 >=0.20	GMIP (3.9)	AMBRA1 (3.7)	PTPRJ (3.0)
0.42 >=0.20	C2orf16 (3.3)	ZNF513 (2.9)	ENSG00000234945 (2
0.42 >=0.20	MYBPC3 (5.7)	CCDC92 (3.6)	GATA4 (3.2)
0.42 >=0.20	IMMT (3.7)	CMIP (2.9)	BRE (2.7)
0.42 >=0.20	DDB2 (2.7)	DOCK6 (2.6)	PACSIN3 (2.4)
0.42 >=0.20	DNAH10 (2.4)	MAFF (2.3)	LINC00208 (2.3)
0.42 >=0.20	TIMD4 (2.7)	ARHGAP1 (2.5)	GATAD2A (2.3)
0.42 >=0.20	SPG11 (4.3)	ENSG00000179523 (3	HAPLN4 (3.5)
0.42 >=0.20	SFN (2.7)	SDC1 (1.7)	BNC2 (1.5)
0.42 >=0.20	ENSG00000182319 (3	SDC1 (2.8)	PTPRJ (2.8)
0.42 >=0.20	CTSB (4.7)	C2orf28 (3.8)	IGF2R (3.2)
0.42 >=0.20	PGS1 (3.7)	PAFAH1B2 (3.0)	NSMAF (2.6)
0.42 >=0.20	AMBRA1 (3.9)	PACSIN3 (3.3)	HARBI1 (2.8)
0.42 >=0.20	ZNF513 (3.7)	PLA2G6 (2.4)	KBTBD4 (2.3)
0.42 >=0.20	PTPRJ (2.7)	KANK2 (2.4)	GALNT2 (2.4)
0.42 >=0.20	C1orf172 (5.9)	FUT1 (5.6)	SFN (5.2)
0.42 >=0.20	LRP4 (3.4)	RASIP1 (2.6)	MPP2 (2.3)
0.42 >=0.20	SIK3 (3.0)	ZNF335 (2.9)	BMPR2 (2.9)
0.42 >=0.20	NFE2L3 (3.5)	BCL3 (3.1)	FNBP4 (2.7)
0.42 >=0.20	UCN (2.5)	NRBP1 (2.3)	CITED2 (2.0)
0.42 >=0.20	FNBP4 (3.8)	BUD13 (3.3)	NUP160 (3.1)
0.42 >=0.20	DNAJC5G (4.1)	ABO (2.8)	FAM167A (1.9)
0.42 >=0.20	TRIB1 (3.1)	MAFF (2.6)	ATG13 (2.5)
0.42 >=0.20	PDIA3 (2.6)	TMED5 (2.0)	FADS1 (2.0)
0.42 >=0.20	AFF1 (3.6)	PCSK7 (3.5)	PAFAH1B2 (3.3)
0.42 >=0.20	DDB2 (3.1)	DR1 (2.3)	SIK3 (2.2)
0.42 >=0.20	NRBP1 (3.0)	NFE2L3 (2.5)	PCSK7 (2.3)
0.42 >=0.20	SFN (2.5)	BNC2 (1.6)	SDC1 (1.6)
0.42 >=0.20	IGF2R (3.0)	DDB2 (2.8)	ZDHHC18 (2.7)
0.42 >=0.20	TAGLN (3.2)	RASIP1 (3.1)	DOCK6 (3.1)
0.42 >=0.20	RIC8B (3.1)	ATP13A1 (3.1)	GTF3C2 (2.8)
0.42 >=0.20	ENSG00000182319 (2	CMIP (2.9)	PTPN13 (2.8)
0.42 >=0.20	DOCK7 (3.0)	PPY (2.5)	CELF1 (2.4)
0.42 >=0.20	DOCK7 (3.0)	PPY (2.5)	CELF1 (2.4)
0.42 >=0.20	KBTBD4 (3.9)	PIGV (3.8)	TMED5 (2.9)
0.42 >=0.20	NRBF2 (4.0)	IZUMO1 (3.1)	STRC (2.5)
0.42 >=0.20	EMILIN1 (4.0)	TAGLN (3.3)	VEGFA (3.1)

0.42	>=0.20	TMEM214 (6.6)	TBL2 (4.2)	PREB (4.1)
0.42	>=0.20	SFN (5.0)	FUT1 (2.6)	C1orf172 (2.5)
0.42	>=0.20	CILP2 (6.5)	FZD9 (5.9)	LRP4 (3.0)
0.42	>=0.20	C1orf172 (4.9)	CBLC (4.5)	KRTCAP3 (3.1)
0.42	>=0.20	LRP4 (2.9)	FAM167A (2.6)	C1orf172 (2.3)
0.42	>=0.20	CKAP5 (3.3)	EIF3J (3.2)	FNBP4 (3.0)
0.42	>=0.20	NOP58 (5.0)	EIF3J (4.1)	ZNF259 (4.0)
0.42	>=0.20	KLF14 (3.1)	CSGALNACT1 (2.3)	BCL7B (2.1)
0.42	>=0.20	MYBPC3 (5.8)	LPL (4.1)	RASIP1 (3.7)
0.42	>=0.20	UBXN2B (2.9)	LPAR2 (2.6)	TDH (2.5)
0.42	>=0.20	LPAL2 (3.0)	MYBPC3 (2.4)	CD300LG (2.4)
0.42	>=0.20	CELF1 (2.8)	SDCBP (2.7)	ENSG00000182319 (2
0.42	>=0.20	OST4 (4.2)	LSM12 (3.5)	MRPL33 (2.8)
0.42	>=0.20	BCL3 (4.0)	TIMD4 (4.0)	GMIP (3.7)
0.42	>=0.20	NOP58 (4.9)	ZNF259 (4.8)	TOMM40 (4.1)
0.42	>=0.20	BCL3 (3.8)	NFE2L3 (3.2)	PDIA3 (2.8)
0.42	>=0.20	PMFBP1 (4.0)	ENSG00000223522 (3	ENSG00000236827 (2
0.42	>=0.20	HAVCR1 (2.5)	PMFBP1 (2.2)	BNC2 (2.1)
0.42	>=0.20	CILP2 (5.2)	FZD9 (3.5)	CGREF1 (3.2)
0.42	>=0.20	TAGLN (4.5)	SDC1 (3.8)	SFN (2.5)
0.42	>=0.20	PCIF1 (3.1)	MTF2 (2.9)	ZNF664 (2.8)
0.42	>=0.20	ANGPTL3 (3.1)	CITED2 (2.3)	APOC3 (2.0)
0.42	>=0.20	MYBPC3 (8.9)	TRIM54 (7.1)	GATA4 (4.9)
0.42	>=0.20	MTMR9 (3.3)	GTF3C2 (2.9)	GPN2 (2.9)
0.42	>=0.20	MTMR9 (3.3)	GTF3C2 (2.9)	GPN2 (2.9)
0.42	>=0.20	KHK (5.3)	ANGPTL3 (3.1)	PLTP (3.0)
0.42	>=0.20	BLK (4.3)	AFF1 (2.9)	BCL3 (2.5)
0.42	>=0.20	PPM1G (2.7)	C11orf9 (2.5)	CCDC121 (2.4)
0.42	>=0.20	MADD (3.6)	ATG4C (3.4)	SIK3 (2.7)
0.42	>=0.20	LRP4 (2.5)	DNAJC5G (2.4)	ENSG00000257711 (2
0.42	>=0.20	TECTB (4.4)	FUT1 (2.9)	GPAM (2.5)
0.42	>=0.20	ENSG00000200241 (2	NEIL2 (2.9)	FUT1 (2.7)
0.42	>=0.20	NCAN (4.7)	HAPLN4 (2.7)	C2orf53 (2.6)
0.42	>=0.20	TBL2 (3.1)	ATP13A1 (3.0)	RIC8B (2.8)
0.42	>=0.20	EPB41L3 (2.3)	ABO (2.2)	FRMD5 (2.2)
0.42	>=0.20	ENSG00000200241 (2	KLF14 (2.5)	ENSG00000236267 (2
0.42	>=0.20	CELF1 (4.4)	ARID1A (3.1)	TXNL4B (3.1)
0.42	>=0.20	GPN1 (2.7)	ARFGAP2 (2.5)	CATSPER2 (2.2)
0.42	>=0.20	CTSB (2.5)	PLTP (2.4)	NEIL2 (2.3)
0.42	>=0.20	RBKS (2.7)	CASC4 (2.5)	MAPK10 (2.4)
0.42	>=0.20	IMMT (3.8)	PPM1G (3.3)	SDCBP (3.0)
0.42	>=0.20	NOP58 (4.3)	POLR1A (3.8)	GPN1 (3.1)
0.42	>=0.20	ARID1A (3.2)	DHX38 (3.0)	MAU2 (2.8)
0.42	>=0.20	ENSG00000253379 (4	PTPN13 (2.6)	TECTB (2.5)
0.42	>=0.20	SIK3 (3.0)	ZNF335 (3.0)	BMPR2 (2.7)
0.42	>=0.20	ENSG00000234945 (2	ACP2 (2.4)	FUT2 (2.4)
0.42	>=0.20	PYY (4.3)	CBLC (3.3)	APOA4 (3.2)
0.42	>=0.20	IMMT (4.1)	SNX17 (4.0)	CAD (3.8)
0.42	>=0.20	CYP26A1 (3.0)	DPYSL5 (2.5)	PTPN13 (2.3)
0.42	>=0.20	NRBF2 (4.4)	CMIP (3.4)	BCL3 (2.7)

0.42	>=0.20	ENSG00000253379 (4	DNAH10 (2.4)	UCN (2.4)
0.42	>=0.20	SUGP1 (3.1)	INTS10 (3.1)	TOMM40 (2.6)
0.42	>=0.20	ENSG00000226645 (3	DPYSL5 (3.3)	BMPR2 (3.2)
0.43	>=0.20	PTCD3 (3.1)	NSMAF (3.1)	NOP58 (3.0)
0.43	>=0.20	TMEM214 (6.8)	TBL2 (4.7)	PREB (4.3)
0.43	>=0.20	BLK (4.0)	PBX4 (3.2)	DNAJC5G (2.4)
0.43	>=0.20	ARHGAP1 (3.1)	CD300LG (3.1)	MAPRE3 (2.9)
0.43	>=0.20	BMPR2 (3.0)	AFF1 (2.8)	CYP26A1 (2.4)
0.43	>=0.20	ZDHHC18 (3.7)	BCL3 (3.5)	ANGPTL3 (2.7)
0.43	>=0.20	APOC1 (3.5)	C11orf9 (2.9)	REEP3 (2.5)
0.43	>=0.20	ENSG00000179523 (3	TSSK6 (2.6)	KLF14 (2.5)
0.43	>=0.20	RIC8B (3.8)	RFX4 (2.9)	NCAN (2.7)
0.43	>=0.20	C2orf53 (2.9)	ZNF664 (2.2)	ENSG00000235545 (1
0.43	>=0.20	SDC1 (4.9)	SFN (3.1)	DUSP3 (3.0)
0.43	>=0.20	BLK (4.2)	MTF2 (2.9)	IGF2R (2.9)
0.43	>=0.20	C8orf49 (2.9)	PACSIN3 (2.3)	ARHGAP1 (2.2)
0.43	>=0.20	CYP26A1 (3.6)	BNC2 (3.2)	FZD9 (2.8)
0.43	>=0.20	PTCD3 (3.3)	CAD (2.7)	NOP58 (2.6)
0.43	>=0.20	MPP2 (3.5)	C1QTNF4 (2.9)	SLC30A3 (2.7)
0.43	>=0.20	CAD (4.6)	TOMM40 (4.5)	POLR1A (4.4)
0.43	>=0.20	IMMT (4.1)	SNX17 (4.0)	CAD (3.9)
0.43	>=0.20	CILP2 (4.3)	ENSG00000253379 (4	FZD9 (3.8)
0.43	>=0.20	TRIM54 (4.4)	PACSIN3 (4.2)	MYBPC3 (3.9)
0.43	>=0.20	C1orf172 (4.0)	SFN (3.7)	BCAM (3.5)
0.43	>=0.20	PREB (3.4)	NRBP1 (3.2)	PDIA3 (3.1)
0.43	>=0.20	MADD (3.3)	C8orf12 (2.6)	TRIB1 (2.5)
0.43	>=0.20	SUMO1 (3.4)	MTCH2 (2.9)	EIF3J (2.5)
0.43	>=0.20	JMJD1C (3.8)	NRBF2 (3.5)	TP53BP1 (3.2)
0.43	>=0.20	TMED5 (4.0)	ATP13A1 (4.0)	FADS1 (4.0)
0.43	>=0.20	PPY (5.3)	PYY (4.5)	MLXIPL (2.6)
0.43	>=0.20	LRP4 (2.9)	CYP26A1 (2.8)	C1orf172 (2.5)
0.43	>=0.20	MTCH2 (3.9)	EIF2B4 (3.0)	MRPL35 (2.9)
0.43	>=0.20	FZD9 (3.9)	CILP2 (3.1)	LRP4 (3.0)
0.43	>=0.20	LINC00208 (2.5)	EPB41L3 (2.1)	MAFF (2.1)
0.43	>=0.20	KLF14 (2.7)	DNAH10 (2.6)	RSPO3 (2.5)
0.43	>=0.20	SUMO1 (1.9)	COBLL1 (1.6)	PTPMT1 (1.6)
0.43	>=0.20	MYBPC3 (5.6)	BCAM (2.9)	BCL7B (2.5)
0.43	>=0.20	NFE2L3 (2.8)	DDB2 (2.5)	SUMO1 (2.5)
0.43	>=0.20	PVRL2 (2.9)	CITED2 (2.5)	ARHGAP1 (2.5)
0.43	>=0.20	MAFF (2.5)	EMILIN1 (2.0)	PGS1 (1.9)
0.43	>=0.20	IMMT (3.6)	TOMM40 (3.5)	EIF2B4 (3.4)
0.43	>=0.20	SIK3 (3.0)	ZNF335 (3.0)	BMPR2 (3.0)
0.43	>=0.20	FUT2 (3.2)	FEN1 (3.0)	WDR76 (2.8)
0.43	>=0.20	CSGALNACT1 (3.2)	RASIP1 (3.0)	RBKS (2.7)
0.43	>=0.20	POLR1A (3.7)	CAD (3.2)	TOMM40 (2.7)
0.43	>=0.20	PDIA3 (6.5)	TMEM214 (4.4)	ATG13 (3.9)
0.43	>=0.20	ENSG00000253379 (5	RSPO3 (4.6)	PTPN13 (3.8)
0.43	>=0.20	GATA4 (4.8)	MYBPC3 (4.2)	ARID1A (3.0)
0.43	>=0.20	CYP26A1 (3.0)	RFX4 (2.5)	DNAH10 (2.3)
0.43	>=0.20	SUGP1 (2.7)	ZNF408 (2.6)	DR1 (2.5)

0.43	>=0.20	RASIP1 (3.6)	PYY (3.0)	NAT2 (2.9)
0.43	>=0.20	KDM3A (4.0)	C17orf105 (3.7)	VEGFA (2.9)
0.43	>=0.20	FNBP4 (4.6)	ENSG00000226645 (3	ZNF512 (3.3)
0.43	>=0.20	MPP2 (3.6)	TRNP1 (2.5)	DPYSL5 (2.5)
0.43	>=0.20	KRTCAP3 (3.0)	CD300LG (2.7)	FRMD5 (2.6)
0.43	>=0.20	CYP26A1 (3.7)	ENSG00000253379 (3	PTPN13 (2.9)
0.43	>=0.20	TMEM101 (4.5)	TMEM175 (4.3)	G6PC3 (3.9)
0.43	>=0.20	PLA2G6 (3.1)	GPAM (2.5)	TMED5 (2.5)
0.43	>=0.20	CYP26A1 (3.5)	CCDC121 (3.1)	PTPN13 (2.8)
0.43	>=0.20	FNBP4 (3.6)	NUP160 (3.5)	BUD13 (3.4)
0.43	>=0.20	KHK (3.2)	ABHD1 (2.9)	KRTCAP3 (2.7)
0.43	>=0.20	IMMT (3.5)	MYBPC3 (3.3)	DOCK6 (2.9)
0.43	>=0.20	AMBRA1 (3.8)	PACSIN3 (2.7)	SUPT7L (2.6)
0.43	>=0.20	MPP2 (4.0)	TP53BP1 (3.1)	PDIA3 (2.9)
0.43	>=0.20	BCAM (3.2)	SDC1 (3.0)	CBLC (2.8)
0.43	>=0.20	BCAM (3.2)	SDC1 (3.0)	CBLC (2.8)
0.43	>=0.20	WDR76 (5.3)	FEN1 (4.1)	USP1 (2.9)
0.43	>=0.20	CTSB (2.9)	CETP (2.3)	DHODH (1.9)
0.43	>=0.20	MAPK10 (3.0)	SLC30A3 (2.8)	CMIP (2.5)
0.43	>=0.20	GMIP (3.3)	BLK (3.0)	DNAH10 (2.7)
0.43	>=0.20	EIF2B4 (3.1)	MTCH2 (3.0)	PREB (2.7)
0.44	>=0.20	PTPN13 (2.9)	EMILIN1 (2.7)	BCAM (2.6)
0.44	>=0.20	CITED2 (3.5)	ARID1A (3.1)	BUD13 (3.0)
0.44	>=0.20	IGF2R (3.1)	C11orf9 (2.8)	VEGFA (2.8)
0.44	>=0.20	MRPL35 (3.6)	NDUFS3 (3.4)	DHODH (3.2)
0.44	>=0.20	BUD13 (3.2)	GPN1 (2.9)	CELF1 (2.9)
0.44	>=0.20	TAGLN (4.1)	TRIM54 (3.1)	SDC1 (3.1)
0.44	>=0.20	C11orf49 (2.6)	CATSPER2 (2.5)	SIK3 (2.5)
0.44	>=0.20	BLK (5.4)	BCL3 (3.1)	GALNT2 (2.9)
0.44	>=0.20	GALNT2 (3.1)	PREB (3.1)	TMEM214 (2.7)
0.44	>=0.20	ARID1A (3.0)	BAZ1B (2.7)	ZNF335 (2.6)
0.44	>=0.20	C2orf53 (2.5)	GPAM (2.4)	UCN (2.2)
0.44	>=0.20	DHX38 (4.6)	SUGP1 (3.2)	ZNF408 (3.2)
0.44	>=0.20	NCAN (2.8)	MAPK10 (2.6)	KDM3A (2.6)
0.44	>=0.20	PVRL2 (3.1)	CLPTM1 (2.9)	CMIP (2.8)
0.44	>=0.20	TMEM214 (5.3)	ATG13 (4.7)	TBL2 (4.5)
0.44	>=0.20	BMPR2 (2.9)	SIK3 (2.9)	ZNF335 (2.7)
0.44	>=0.20	PREB (3.7)	FUT2 (3.6)	TMEM214 (3.5)
0.44	>=0.20	NDUFS3 (4.1)	AMBRA1 (3.6)	PTPMT1 (3.1)
0.44	>=0.20	MYBPC3 (6.7)	TRIM54 (6.3)	PACSIN3 (3.7)
0.44	>=0.20	NOP58 (4.1)	PPM1G (4.0)	TOMM40 (3.7)
0.44	>=0.20	FAM167A (3.3)	ENSG00000254235 (2	RSPO3 (2.7)
0.44	>=0.20	TDH (2.9)	ENSG00000256746 (2	TSSK6 (2.7)
0.44	>=0.20	EMILIN1 (4.8)	CBLC (4.0)	C11orf9 (2.9)
0.44	>=0.20	C11orf9 (3.5)	APOA4 (3.1)	C8orf12 (2.4)
0.44	>=0.20	NOP58 (4.8)	ZNF259 (4.6)	POLR1A (4.3)
0.44	>=0.20	CASC4 (2.9)	ARFGAP2 (2.9)	DHX38 (2.7)
0.44	>=0.20	GATAD2A (3.3)	TAGLN (2.9)	TRIM54 (2.7)
0.44	>=0.20	TAGLN (7.6)	TRIM54 (4.0)	MYBPC3 (3.0)
0.44	>=0.20	PYY (3.5)	PTPN13 (3.2)	RSPO3 (3.1)

0.44	>=0.20	CILP2 (3.0)	FZD9 (2.9)	TECTB (2.7)
0.44	>=0.20	HAVCR1 (3.4)	ABCA1 (3.0)	C11orf9 (2.5)
0.44	>=0.20	TAGLN (3.7)	SDC1 (3.5)	DOCK6 (3.1)
0.44	>=0.20	HDAC5 (2.5)	TSSK6 (2.0)	MAPRE3 (1.9)
0.44	>=0.20	ARID1A (4.1)	CELF1 (2.9)	ZNF335 (2.8)
0.44	>=0.20	BLK (2.8)	ZDHHC18 (2.7)	GMIP (2.6)
0.44	>=0.20	CETP (3.7)	TIMD4 (3.4)	DDB2 (3.3)
0.44	>=0.20	JMJD1C (4.8)	ARID1A (4.0)	PCIF1 (3.3)
0.44	>=0.20	ENSG00000222035 (2	BMPR2 (2.6)	NOP58 (2.3)
0.44	>=0.20	ENSG00000236827 (3	ENSG00000255020 (2	KLF14 (2.8)
0.44	>=0.20	TRIM54 (4.5)	REEP1 (4.4)	TRIB1 (2.8)
0.44	>=0.20	OST4 (3.0)	NOP58 (2.3)	FNBP4 (2.0)
0.44	>=0.20	SLC22A1 (3.3)	ABHD1 (3.1)	CYP7A1 (2.5)
0.44	>=0.20	PCIF1 (3.8)	ZNF335 (3.7)	LSM12 (3.0)
0.44	>=0.20	PGS1 (2.3)	CHMP3 (2.2)	ENSG00000253379 (2
0.44	>=0.20	ENSG00000182329 (2	DNAH10 (2.5)	ENSG00000236827 (2
0.44	>=0.20	CYP26A1 (4.4)	PTPN13 (2.8)	LRP4 (2.8)
0.44	>=0.20	ABO (3.1)	ENSG00000223745 (2	C2orf53 (2.4)
0.44	>=0.20	FNBP4 (3.6)	SUMO1 (2.8)	GTF3C2 (2.5)
0.44	>=0.20	ENSG00000254235 (4	NAT2 (3.2)	STRC (2.7)
0.44	>=0.20	ENSG00000254235 (4	NAT2 (3.2)	STRC (2.7)
0.44	>=0.20	DPYSL5 (4.9)	NCAN (3.4)	PTPN13 (2.9)
0.44	>=0.20	ABO (3.1)	ENSG00000257711 (2	C8orf49 (2.4)
0.44	>=0.20	FNBP4 (2.8)	MAFF (2.5)	CKAP5 (2.3)
0.44	>=0.20	SDC1 (4.1)	TAGLN (3.4)	ZNF664 (2.8)
0.44	>=0.20	PPY (3.2)	VEGFA (2.9)	C2orf16 (2.5)
0.44	>=0.20	PPY (3.2)	VEGFA (2.9)	C2orf16 (2.5)
0.44	>=0.20	G6PC3 (2.6)	C2orf28 (2.2)	REEP3 (2.0)
0.44	>=0.20	GALNT2 (3.8)	PTPRJ (2.9)	PCSK7 (2.7)
0.44	>=0.20	CCDC18 (3.2)	USP1 (2.9)	MTF2 (2.4)
0.44	>=0.20	FEN1 (5.9)	WDR76 (5.1)	USP1 (3.9)
0.44	>=0.20	NOP58 (3.7)	OST4 (3.4)	ZNF259 (3.2)
0.44	>=0.20	POLR1A (4.0)	NOP58 (3.4)	ZNF259 (3.3)
0.44	>=0.20	CYP26A1 (5.0)	SOST (3.0)	PMFBP1 (3.0)
0.44	>=0.20	DPYSL5 (4.3)	PBX4 (3.1)	AFF1 (2.5)
0.44	>=0.20	PPM1G (3.3)	TOMM40 (3.0)	NFE2L3 (2.9)
0.44	>=0.20	TP53BP1 (3.4)	SPG11 (3.4)	GTF3C2 (3.3)
0.44	>=0.20	AMBRA1 (4.1)	PACSIN3 (3.0)	SUPT7L (2.5)
0.44	>=0.20	HAPLN4 (3.0)	MAPRE3 (3.0)	EPB41L3 (2.5)
0.44	>=0.20	BLK (3.1)	GMIP (2.8)	ZDHHC18 (2.8)
0.44	>=0.20	CBLC (5.3)	SFN (4.8)	BCAM (3.8)
0.44	>=0.20	MTCH2 (3.7)	ARFGAP2 (3.4)	NDUFS3 (3.3)
0.44	>=0.20	NOP58 (4.2)	FNBP4 (3.9)	TOMM40 (3.5)
0.45	>=0.20	CAD (4.1)	NUP160 (3.2)	DHX38 (3.1)
0.45	>=0.20	C2orf16 (3.2)	SUGP1 (2.6)	BUD13 (2.6)
0.45	>=0.20	PREB (4.2)	TMEM214 (3.6)	CAD (3.6)
0.45	>=0.20	KANK2 (3.9)	GATA4 (3.8)	BMPR2 (3.7)
0.45	>=0.20	TRIB1 (3.2)	CCDC121 (2.9)	MAFF (2.8)
0.45	>=0.20	BRE (3.8)	TRIM54 (3.0)	PACSIN3 (2.6)
0.45	>=0.20	HARBI1 (3.5)	AMBRA1 (3.4)	GTF3C2 (2.9)

0.45	>=0.20	ZNF512 (2.8)	FADS2 (2.8)	GATAD2A (2.7)
0.45	>=0.20	ENSG00000236827 (2	SLC22A3 (2.3)	SLC30A3 (2.3)
0.45	>=0.20	C8orf49 (4.0)	MYBPC3 (3.9)	CYP26A1 (2.9)
0.45	>=0.20	MYBPC3 (8.1)	TRIM54 (6.6)	FRMD5 (4.6)
0.45	>=0.20	MAPK10 (2.4)	C1QTNF4 (2.4)	ENSG00000222035 (2
0.45	>=0.20	KHK (4.8)	APOA4 (4.4)	TM6SF2 (3.5)
0.45	>=0.20	SUGP1 (2.9)	MRPL33 (2.4)	GPN2 (2.3)
0.45	>=0.20	PCSK7 (2.6)	AFF1 (2.3)	JMJD1C (2.2)
0.45	>=0.20	C8orf49 (3.1)	DNAJC5G (2.8)	GATA4 (2.7)
0.45	>=0.20	MAMSTR (2.7)	ENSG00000256731 (2	PAFAH1B2 (2.4)
0.45	>=0.20	FNDC4 (3.2)	TRNP1 (3.0)	DOCK6 (2.7)
0.45	>=0.20	MTCH2 (2.8)	PPIP5K1 (2.5)	GPAM (2.3)
0.45	>=0.20	ZNF513 (3.2)	ATG13 (2.9)	ARHGAP1 (2.9)
0.45	>=0.20	OST4 (4.1)	FNBP4 (2.7)	NOP58 (2.4)
0.45	>=0.20	TAGLN (4.7)	RASIP1 (4.4)	BCAM (3.2)
0.45	>=0.20	TECTB (6.0)	FZD9 (5.3)	STRC (4.5)
0.45	>=0.20	PPM1G (4.4)	SUGP1 (3.3)	CKAP5 (3.2)
0.45	>=0.20	C1orf172 (3.7)	EPB41L3 (3.3)	CBLC (3.0)
0.45	>=0.20	MTMR9 (3.0)	C2orf53 (2.8)	ENSG00000236267 (2
0.45	>=0.20	PGS1 (2.9)	ZNF512 (2.7)	ARHGAP1 (2.7)
0.45	>=0.20	RFX4 (3.3)	C11orf9 (2.7)	PYY (2.6)
0.45	>=0.20	NOP58 (3.9)	POLR1A (3.7)	ZNF259 (3.4)
0.45	>=0.20	ZDHHC18 (3.2)	BLK (3.1)	TIMD4 (2.3)
0.45	>=0.20	TAGLN (3.7)	RSPO3 (3.1)	NAGS (3.0)
0.45	>=0.20	BMPR2 (3.8)	RSPO3 (2.3)	ENSG00000226645 (2
0.45	>=0.20	FEN1 (6.1)	WDR76 (5.9)	DDB2 (4.6)
0.45	>=0.20	MAFF (2.6)	GATAD2A (2.3)	FNBP4 (2.2)
0.45	>=0.20	DDB2 (2.0)	PBX4 (2.0)	BLK (2.0)
0.45	>=0.20	EIF3J (3.7)	TOMM40 (3.7)	PTCD3 (3.6)
0.45	>=0.20	C8orf49 (3.7)	GATA4 (3.4)	IZUMO1 (2.2)
0.45	>=0.20	MPV17 (2.9)	HAVCR1 (2.5)	RIC8B (2.2)
0.45	>=0.20	TSSK6 (2.4)	DNAJC5G (2.3)	TDH (2.2)
0.45	>=0.20	APOA1 (3.8)	APOC3 (3.2)	APOA4 (2.9)
0.45	>=0.20	NRBP1 (3.5)	AFF1 (2.8)	FNDC4 (2.7)
0.45	>=0.20	IMMT (3.0)	LSM12 (2.7)	FNBP4 (2.6)
0.45	>=0.20	CYP26A1 (3.6)	ENSG00000253379 (3	LRP4 (3.4)
0.45	>=0.20	ABCA1 (3.5)	PLTP (3.3)	BNC2 (2.8)
0.45	>=0.20	DHODH (2.9)	KHK (2.6)	FUT1 (2.3)
0.45	>=0.20	PPY (5.3)	PYY (4.7)	MLXIPL (2.5)
0.45	>=0.20	AFF1 (3.0)	BMPR2 (2.8)	PACSIN3 (2.7)
0.45	>=0.20	OST4 (4.0)	GPN1 (2.6)	NUP160 (2.6)
0.45	>=0.20	PPY (5.8)	PYY (4.7)	MLXIPL (2.8)
0.45	>=0.20	PCSK7 (3.1)	GMIP (2.7)	GTF3C2 (2.5)
0.45	>=0.20	C8orf49 (5.0)	GATA4 (4.5)	NR0B2 (3.1)
0.45	>=0.20	CITED2 (2.9)	SNX17 (2.6)	NSMAF (2.4)
0.45	>=0.20	NRBP1 (3.3)	ARFGAP2 (3.1)	EIF3J (3.0)
0.45	>=0.20	MAFF (2.6)	FNBP4 (2.4)	FEN1 (2.3)
0.45	>=0.20	SUMO1 (2.8)	PTCD3 (2.5)	CELF1 (2.4)
0.45	>=0.20	ENSG00000256746 (3	ENSG00000182329 (2	ENSG00000255020 (2
0.45	>=0.20	SIK3 (4.7)	EPB41L3 (3.1)	MAU2 (2.8)

0.45	>=0.20	AGBL5 (3.2)	TUBGCP4 (2.5)	CAD (2.4)
0.45	>=0.20	ENSG00000182319 (2	CCDC92 (2.8)	CLPTM1 (2.6)
0.45	>=0.20	TAGLN (3.9)	ARHGAP1 (3.4)	NOP58 (2.9)
0.45	>=0.20	BLK (3.0)	C2orf16 (2.8)	PBX4 (2.6)
0.45	>=0.20	PACSIN3 (2.9)	PREB (2.5)	MPP3 (2.4)
0.45	>=0.20	BCL7B (4.6)	ARID1A (3.5)	BUD13 (3.4)
0.45	>=0.20	PGS1 (3.2)	ENSG00000223522 (2	TDH (2.5)
0.45	>=0.20	DOCK6 (3.0)	LRP4 (2.8)	RFX4 (2.4)
0.45	>=0.20	DOCK6 (3.0)	LRP4 (2.8)	RFX4 (2.4)
0.45	>=0.20	NRBF2 (2.9)	UBXN2B (2.5)	MFAP1 (2.4)
0.45	>=0.20	RSPO3 (2.8)	BNC2 (2.6)	CYP26A1 (2.5)
0.45	>=0.20	HAVCR1 (3.5)	PYY (2.8)	RBKS (2.7)
0.46	>=0.20	FNBP4 (3.5)	BUD13 (3.3)	DHX38 (3.0)
0.46	>=0.20	CYP26A1 (2.7)	PTPN13 (2.6)	FUT2 (2.5)
0.46	>=0.20	EMILIN1 (3.7)	PYY (3.2)	CSGALNACT1 (2.6)
0.46	>=0.20	BLK (7.0)	BCL3 (4.1)	ZDHHC18 (3.5)
0.46	>=0.20	SUMO1 (3.8)	PGS1 (2.5)	ABO (2.4)
0.46	>=0.20	ENSG00000257711 (4	IZUMO1 (2.8)	MAU2 (2.2)
0.46	>=0.20	PCIF1 (3.7)	ZNF408 (3.0)	OST4 (2.8)
0.46	>=0.20	PTPRJ (3.4)	BCL3 (2.8)	NEIL2 (2.6)
0.46	>=0.20	WDR76 (2.3)	TUBGCP4 (2.0)	CKAP5 (1.9)
0.46	>=0.20	CHMP3 (3.2)	DUSP3 (2.9)	MPV17 (2.7)
0.46	>=0.20	ENSG00000222035 (2	DUSP3 (2.3)	SDCBP (2.2)
0.46	>=0.20	DPYSL5 (3.7)	MPP2 (3.3)	NCAN (3.0)
0.46	>=0.20	KANK2 (2.8)	CSGALNACT1 (2.7)	ENSG00000254235 (2
0.46	>=0.20	ARID1A (4.1)	CAD (4.0)	BAZ1B (3.1)
0.46	>=0.20	IMMT (3.6)	MTCH2 (2.8)	ARFGAP2 (2.5)
0.46	>=0.20	NRBF2 (4.4)	NSMAF (2.8)	UBXN2B (2.5)
0.46	>=0.20	G6PC3 (4.0)	CLPTM1 (3.3)	TBL2 (3.0)
0.46	>=0.20	AGBL2 (3.5)	C11orf49 (3.3)	RSPO3 (3.3)
0.46	>=0.20	ZNF664 (3.4)	HDAC5 (2.8)	ARID1A (2.5)
0.46	>=0.20	DNAH10 (3.5)	ENSG00000222035 (3	EMILIN1 (2.1)
0.46	>=0.20	REEP3 (3.0)	BLK (2.7)	CTSB (2.6)
0.46	>=0.20	BUD13 (4.8)	ZNF259 (4.3)	MFAP1 (3.8)
0.46	>=0.20	PACSIN3 (3.4)	C11orf9 (3.4)	SIK3 (2.8)
0.46	>=0.20	DPYSL5 (3.6)	RFX4 (3.6)	PTPN13 (3.3)
0.46	>=0.20	SDC1 (3.0)	CYP26A1 (2.8)	BCAM (2.7)
0.46	>=0.20	GMIP (3.9)	BLK (3.3)	TIMD4 (2.9)
0.46	>=0.20	MYBPC3 (2.8)	ENSG00000257711 (2	PPM1G (2.4)
0.46	>=0.20	AFF1 (2.6)	RBKS (2.3)	ZNF664 (2.2)
0.46	>=0.20	CYP26A1 (3.9)	LRP4 (2.4)	FZD9 (2.2)
0.46	>=0.20	NSMAF (2.2)	GATAD2A (2.1)	ZDHHC18 (2.0)
0.46	>=0.20	NDUFS3 (3.8)	MTCH2 (3.2)	SNX17 (3.1)
0.46	>=0.20	BMPR2 (3.1)	JMJD1C (3.0)	SUMO1 (2.7)
0.46	>=0.20	PAFAH1B2 (3.0)	AFF1 (2.8)	NSMAF (2.7)
0.46	>=0.20	ABHD1 (3.0)	CYP26A1 (2.9)	STRC (2.6)
0.46	>=0.20	SFN (5.2)	FUT1 (3.5)	CBLC (2.8)
0.46	>=0.20	KHK (3.6)	NCAN (3.0)	TM6SF2 (2.9)
0.46	>=0.20	C11orf9 (2.5)	C2orf16 (2.5)	DNAJC5G (2.4)
0.46	>=0.20	TRIB1 (5.6)	MAFF (4.4)	TSSK6 (2.3)

0.46	>=0.20	NRBP1 (3.5)	SUPT7L (2.9)	SUGP1 (2.7)
0.46	>=0.20	CILP2 (6.2)	RSPO3 (4.5)	KLF14 (2.4)
0.46	>=0.20	CLPTM1 (3.8)	CTSB (3.1)	ACP2 (3.0)
0.46	>=0.20	ENSG00000257711 (3	C2orf53 (2.5)	MPP3 (2.4)
0.46	>=0.20	BCL7B (2.9)	CCDC18 (2.3)	AGBL5 (1.5)
0.46	>=0.20	C8orf12 (3.0)	ENSG00000182329 (2	CD300LG (2.5)
0.46	>=0.20	BCL3 (3.7)	MAFF (3.4)	ZNF513 (2.7)
0.46	>=0.20	IMMT (6.4)	NDUFS3 (4.7)	MTCH2 (4.5)
0.46	>=0.20	NSMAF (3.9)	ENSG00000236827 (2	LPAR2 (2.5)
0.46	>=0.20	AFF1 (3.3)	MTF2 (3.1)	CTDSPL2 (2.9)
0.46	>=0.20	BLK (7.6)	GMIP (2.4)	HDAC5 (2.4)
0.46	>=0.20	DHX38 (5.1)	PCIF1 (3.5)	SUGP1 (3.4)
0.47	>=0.20	C1orf172 (3.0)	FUT2 (2.3)	ABO (2.3)
0.47	>=0.20	ENSG00000235545 (2	IZUMO1 (2.2)	TRIM54 (2.1)
0.47	>=0.20	ENSG00000235545 (2	IZUMO1 (2.2)	TRIM54 (2.1)
0.47	>=0.20	SLC30A3 (4.1)	C1QTNF4 (3.9)	HAPLN4 (3.1)
0.47	>=0.20	SIK3 (2.8)	PBX4 (2.6)	BCL3 (2.2)
0.47	>=0.20	CBLC (3.4)	BCAM (3.3)	SDC1 (3.2)
0.47	>=0.20	GATAD2A (3.2)	RFX4 (2.9)	NRBP1 (2.8)
0.47	>=0.20	CLPTM1 (3.7)	CHMP3 (2.8)	TMEM175 (2.7)
0.47	>=0.20	SIK3 (3.1)	BMPR2 (3.0)	ZNF335 (2.8)
0.47	>=0.20	ENSG00000234945 (3	C2orf16 (2.9)	ZNF513 (2.9)
0.47	>=0.20	CAD (3.6)	TOMM40 (3.4)	NDUFS3 (3.1)
0.47	>=0.20	CETP (4.3)	CCDC92 (4.2)	EMILIN1 (3.4)
0.47	>=0.20	PDIA3 (6.9)	VEGFA (3.4)	CATSPER2 (3.4)
0.47	>=0.20	SOST (4.9)	ENSG00000234945 (3	STRC (2.7)
0.47	>=0.20	CMIP (3.8)	NRBF2 (2.4)	ENSG00000223745 (2
0.47	>=0.20	ZNF408 (3.1)	SUGP1 (3.0)	ZNF259 (2.5)
0.47	>=0.20	MFAP1 (3.1)	NUP160 (2.9)	BUD13 (2.5)
0.47	>=0.20	BLK (9.9)	GMIP (3.6)	TIMD4 (2.4)
0.47	>=0.20	DHODH (2.2)	PTPMT1 (2.1)	ENSG00000235545 (2
0.47	>=0.20	NOP58 (4.6)	OST4 (3.8)	ZNF259 (3.3)
0.47	>=0.20	KANK2 (3.3)	TAGLN (3.1)	EMILIN1 (3.0)
0.47	>=0.20	SDCBP (3.4)	PDIA3 (3.3)	NSMAF (3.0)
0.47	>=0.20	MPP2 (3.1)	MAPRE3 (3.0)	G6PC3 (2.7)
0.47	>=0.20	TOMM40 (3.1)	IFT172 (2.7)	NDUFS3 (2.6)
0.47	>=0.20	ARFGAP2 (4.0)	MTCH2 (3.3)	NDUFS3 (3.1)
0.47	>=0.20	TMEM214 (4.5)	PREB (4.1)	TBL2 (3.2)
0.47	>=0.20	OST4 (3.4)	NOP58 (3.2)	SUGP1 (2.2)
0.47	>=0.20	ENSG00000253379 (3	RSPO3 (2.4)	PTPN13 (2.3)
0.47	>=0.20	RSPO3 (3.0)	BCL3 (2.9)	FZD9 (2.7)
0.47	>=0.20	PCSK7 (3.3)	AFF1 (3.3)	GMIP (3.1)
0.47	>=0.20	CTSB (2.4)	FADS1 (2.0)	KDM3A (1.9)
0.47	>=0.20	MAMSTR (2.8)	C8orf49 (2.3)	MAU2 (2.3)
0.47	>=0.20	OST4 (4.4)	MRPL33 (2.4)	ENSG00000223522 (2
0.47	>=0.20	NR1H3 (2.7)	ENSG00000254235 (2	ATG13 (2.2)
0.47	>=0.20	NOP58 (5.4)	ZNF259 (4.8)	POLR1A (4.3)
0.47	>=0.20	IMMT (2.5)	PTCD3 (2.4)	DHODH (2.2)
0.47	>=0.20	SFN (8.1)	C1orf172 (4.4)	SDC1 (3.1)
0.47	>=0.20	KDM3A (2.8)	NCAN (2.7)	SDCBP (2.7)

0.47	>=0.20	HDAC5 (3.5)	ARID1A (3.3)	ZNF335 (2.8)
0.47	>=0.20	KLF14 (2.8)	PBX4 (2.6)	ENSG00000200241 (2
0.47	>=0.20	CILP2 (7.7)	FZD9 (4.4)	UBXN2B (3.1)
0.47	>=0.20	ENSG00000256731 (6	ABHD1 (2.9)	TBL2 (2.1)
0.47	>=0.20	CILP2 (4.0)	INTS10 (2.7)	LRP4 (2.6)
0.47	>=0.20	BCL3 (2.5)	GALNT2 (1.7)	PGS1 (1.6)
0.47	>=0.20	AMBRA1 (3.1)	GATAD2A (3.0)	AFF1 (2.9)
0.47	>=0.20	GMIP (3.2)	MAU2 (2.6)	KDM3A (2.5)
0.47	>=0.20	TAGLN (3.6)	ARHGAP1 (3.2)	CITED2 (3.0)
0.47	>=0.20	FNBP4 (3.6)	NUP160 (3.4)	BUD13 (3.4)
0.47	>=0.20	DOCK7 (2.9)	PPY (2.4)	CELF1 (2.4)
0.47	>=0.20	BLK (2.7)	MAU2 (2.6)	SOST (2.3)
0.47	>=0.20	TSSK6 (2.3)	ABO (2.3)	ENSG00000223745 (2
0.47	>=0.20	FUT2 (3.5)	BCL3 (2.8)	ATG13 (2.5)
0.47	>=0.20	C11orf9 (3.6)	GATA4 (3.6)	REEP1 (3.4)
0.47	>=0.20	NRBF2 (2.9)	DDB2 (2.3)	C2orf16 (2.3)
0.47	>=0.20	PCSK7 (3.6)	AFF1 (3.3)	PAFAH1B2 (3.1)
0.47	>=0.20	CILP2 (5.8)	FZD9 (4.0)	PBX4 (2.7)
0.47	>=0.20	DDB2 (4.7)	PAFAH1B2 (2.6)	PTPRJ (2.2)
0.47	>=0.20	LINC00208 (2.2)	PPY (2.2)	GMIP (1.8)
0.47	>=0.20	IMMT (3.4)	NRBP1 (3.1)	PPM1G (2.8)
0.47	>=0.20	GMIP (3.6)	CETP (2.9)	ZNF664 (2.8)
0.47	>=0.20	PCIF1 (3.3)	DR1 (3.2)	ARID1A (3.0)
0.47	>=0.20	ATG4C (3.2)	CMIP (3.0)	DR1 (2.6)
0.47	>=0.20	BLK (3.1)	BCL3 (3.1)	GMIP (2.9)
0.47	>=0.20	BLK (2.4)	PCSK7 (2.3)	ENSG00000236267 (2
0.47	>=0.20	BLK (2.4)	PCSK7 (2.3)	ENSG00000236267 (2
0.47	>=0.20	MTF2 (2.7)	NAT2 (2.6)	ATG13 (2.5)
0.47	>=0.20	PYY (3.0)	CSGALNACT1 (2.9)	NAT2 (2.8)
0.47	>=0.20	CYP26A1 (3.9)	PTPN13 (3.3)	C2orf16 (3.0)
0.47	>=0.20	NCAN (3.5)	RFX4 (3.1)	PTPN13 (2.7)
0.48	>=0.20	CAD (3.5)	EIF2B4 (3.4)	IMMT (3.3)
0.48	>=0.20	TRIB1 (6.8)	MAFF (6.1)	CITED2 (4.4)
0.48	>=0.20	RBKS (2.7)	CCDC18 (2.5)	AGBL5 (2.4)
0.48	>=0.20	IMMT (2.4)	ZNF512 (2.4)	CHMP3 (2.3)
0.48	>=0.20	C11orf9 (3.6)	ENSG00000256746 (3	C8orf49 (3.1)
0.48	>=0.20	TXNL4B (3.3)	EIF3J (3.1)	GATAD2A (2.7)
0.48	>=0.20	CYP26A1 (3.1)	RSPO3 (2.9)	SOST (2.6)
0.48	>=0.20	FZD9 (4.4)	RSPO3 (4.0)	ENSG00000253379 (2
0.48	>=0.20	CKAP5 (4.9)	FEN1 (3.8)	CCDC18 (3.3)
0.48	>=0.20	BNC2 (2.3)	RFX4 (2.2)	PTPN13 (2.2)
0.48	>=0.20	DNAH10 (5.0)	RSPO3 (2.8)	DPYSL5 (2.8)
0.48	>=0.20	KRTCAP3 (4.1)	PBX4 (2.9)	BMPR2 (2.3)
0.48	>=0.20	FDFT1 (9.0)	FADS1 (8.5)	FADS2 (7.7)
0.48	>=0.20	NRBF2 (3.4)	BRE (2.7)	ATG4C (2.2)
0.48	>=0.20	TXNL4B (3.6)	TSSK6 (2.2)	DHX38 (2.1)
0.48	>=0.20	DPYSL5 (3.6)	CYP26A1 (3.4)	RFX4 (2.8)
0.48	>=0.20	NEIL2 (3.1)	PIGV (3.0)	C2orf16 (3.0)
0.48	>=0.20	RFX4 (4.3)	NCAN (3.5)	LRP4 (3.1)
0.48	>=0.20	PDIA3 (6.6)	MPP2 (3.4)	NCAN (3.2)

0.48	>=0.20	NSMAF (2.5)	ENSG00000179523 (2	BCL3 (2.3)
0.48	>=0.20	C8orf12 (3.0)	ENSG00000182329 (2	CD300LG (2.6)
0.48	>=0.20	FEN1 (2.5)	GATAD2A (2.3)	USP1 (2.2)
0.48	>=0.20	TAGLN (4.2)	APOA4 (4.2)	TM6SF2 (3.4)
0.48	>=0.20	DOCK6 (3.5)	TDH (2.8)	LRP4 (2.5)
0.48	>=0.20	LPAR2 (2.8)	ENSG00000226645 (2	C8orf12 (2.6)
0.48	>=0.20	CAD (3.5)	GPN1 (2.9)	USP1 (2.9)
0.48	>=0.20	OST4 (2.7)	NOP58 (2.3)	ENSG00000223745 (1
0.48	>=0.20	SDC1 (4.0)	TAGLN (3.0)	RASIP1 (2.9)
0.48	>=0.20	HDAC5 (2.1)	EMILIN1 (1.9)	PVRL2 (1.8)
0.48	>=0.20	JMJD1C (3.7)	SIK3 (3.1)	NRBF2 (2.9)
0.48	>=0.20	SDCBP (3.2)	MAPRE3 (2.4)	CTSB (2.4)
0.48	>=0.20	PCSK7 (3.3)	AFF1 (3.2)	GMIP (3.0)
0.48	>=0.20	DR1 (3.0)	MAU2 (2.9)	SUGP1 (2.8)
0.48	>=0.20	ENSG00000236827 (2	KLF14 (2.7)	NEIL2 (2.3)
0.48	>=0.20	G6PC3 (5.3)	C2orf28 (4.9)	TMEM175 (4.7)
0.48	>=0.20	TECTB (3.7)	MFAP1 (2.8)	WDR76 (2.4)
0.48	>=0.20	CAD (4.1)	NUP160 (3.8)	POLR1A (3.3)
0.48	>=0.20	ENSG00000255020 (2	C17orf105 (2.7)	STRC (2.4)
0.48	>=0.20	PIGV (3.6)	PAFAH1B2 (3.2)	ZDHHC18 (2.7)
0.48	>=0.20	PVRL2 (3.8)	RASIP1 (3.5)	BCAM (2.9)
0.48	>=0.20	PLA2G6 (3.6)	MPV17 (2.4)	PIGV (2.4)
0.48	>=0.20	NR0B2 (2.4)	FNDC4 (2.4)	CYP7A1 (2.3)
0.48	>=0.20	BMPR2 (4.1)	CMIP (2.5)	ENSG00000222035 (2
0.48	>=0.20	PACSIN3 (3.1)	BCAM (3.0)	SOST (2.1)
0.48	>=0.20	MPP3 (2.6)	DOCK7 (2.3)	MAPK10 (2.2)
0.48	>=0.20	WDR76 (5.4)	FEN1 (5.2)	BAZ1B (3.9)
0.48	>=0.20	PDIA3 (5.3)	NRBP1 (4.0)	SNX17 (4.0)
0.48	>=0.20	NOP58 (5.0)	ZNF259 (4.7)	POLR1A (4.4)
0.48	>=0.20	BCL3 (3.4)	BCL7B (3.3)	DDB2 (3.3)
0.48	>=0.20	APOA4 (2.8)	DNAH10 (2.5)	TSSK6 (2.4)
0.48	>=0.20	GMIP (3.9)	MAU2 (2.4)	PGS1 (2.3)
0.48	>=0.20	NOP58 (3.6)	POLR1A (3.2)	PTCD3 (3.1)
0.48	>=0.20	AMBRA1 (4.1)	SUPT7L (3.0)	ARID1A (2.8)
0.48	>=0.20	SDCBP (3.3)	ENSG00000257711 (3	C2orf28 (3.2)
0.48	>=0.20	RIC8B (2.2)	PGS1 (2.2)	CHMP3 (2.2)
0.48	>=0.20	BLK (6.1)	C2orf16 (2.6)	COBLL1 (2.3)
0.48	>=0.20	NOP58 (4.7)	ZNF259 (4.5)	POLR1A (4.2)
0.48	>=0.20	AFF1 (3.1)	PCSK7 (3.0)	GMIP (2.9)
0.48	>=0.20	RSPO3 (3.2)	CYP26A1 (3.2)	C2orf16 (2.8)
0.48	>=0.20	DPYSL5 (3.0)	APOE (2.9)	BMPR2 (2.9)
0.48	>=0.20	PTPN13 (3.7)	HDAC5 (2.8)	ARID1A (2.3)
0.48	>=0.20	OST4 (4.0)	TAGLN (3.3)	NOP58 (2.6)
0.48	>=0.20	TMEM214 (6.1)	FADS2 (4.2)	PREB (4.1)
0.48	>=0.20	FNBP4 (4.3)	NOP58 (2.8)	EIF3J (2.7)
0.49	>=0.20	BCL3 (2.9)	PVRL2 (2.4)	CTDSPL2 (2.4)
0.49	>=0.20	NRBF2 (2.7)	PAFAH1B2 (2.5)	TMEM214 (2.4)
0.49	>=0.20	SIK3 (2.6)	PCIF1 (2.2)	BUD13 (2.2)
0.49	>=0.20	ARHGAP1 (3.6)	ENSG00000182319 (3	C11orf9 (3.1)
0.49	>=0.20	DNAH10 (2.7)	CASC4 (2.7)	CSGALNACT1 (2.3)

0.49	>=0.20	TDH (3.8)	FAM167A (2.9)	ENSG00000236827 (2
0.49	>=0.20	ZDHHC18 (2.6)	SIK3 (2.2)	GMIP (2.2)
0.49	>=0.20	TDH (3.7)	ENSG00000255020 (2	APOC4 (2.8)
0.49	>=0.20	MAMSTR (4.0)	BMPR2 (2.8)	MTF2 (2.3)
0.49	>=0.20	NOP58 (4.4)	ZNF259 (4.3)	POLR1A (4.2)
0.49	>=0.20	NOP58 (4.3)	ZNF259 (3.6)	FNBP4 (3.2)
0.49	>=0.20	PAFAH1B2 (3.5)	BAZ1B (2.8)	DR1 (2.2)
0.49	>=0.20	MAFF (2.8)	ENSG00000182319 (2	DOCK6 (2.5)
0.49	>=0.20	KDM3A (3.1)	DDB2 (2.6)	ARID1A (2.2)
0.49	>=0.20	ZNF335 (3.3)	ZNF513 (2.9)	DHX38 (2.8)
0.49	>=0.20	TMEM214 (6.4)	ATG13 (4.5)	PREB (4.1)
0.49	>=0.20	ENSG00000256746 (2	ENSG00000182329 (2	ENSG00000255020 (1
0.49	>=0.20	DPYSL5 (4.7)	RFX4 (3.5)	NCAN (3.0)
0.49	>=0.20	G6PC3 (5.8)	TMEM175 (5.2)	ATP13A1 (4.6)
0.49	>=0.20	C8orf12 (2.2)	RFX4 (2.0)	RBKS (2.0)
0.49	>=0.20	ZNF408 (3.8)	AMBRA1 (3.3)	PCIF1 (3.2)
0.49	>=0.20	TIMD4 (6.1)	CETP (5.8)	PBX4 (2.4)
0.49	>=0.20	CTSB (3.1)	C1QTNF4 (2.2)	FNDC4 (1.8)
0.49	>=0.20	LPAL2 (2.8)	FRMD5 (2.6)	ENSG00000254235 (2
0.49	>=0.20	CAD (2.9)	NUP160 (2.9)	GPN1 (2.9)
0.49	>=0.20	NDUFS3 (5.4)	MRPL35 (4.6)	MRPL33 (4.4)
0.49	>=0.20	TOMM40 (2.5)	PDIA3 (2.4)	C11orf49 (2.4)
0.49	>=0.20	PVRL2 (3.1)	KANK2 (3.0)	GALNT2 (2.7)
0.49	>=0.20	CMIP (2.5)	MADD (2.5)	MPP2 (2.5)
0.49	>=0.20	PPY (10.5)	FGF21 (3.2)	FUT2 (2.9)
0.49	>=0.20	CILP2 (4.5)	CYP26A1 (4.4)	SOST (3.1)
0.49	>=0.20	BLK (4.0)	ZDHHC18 (3.8)	BCL3 (3.2)
0.49	>=0.20	ANGPTL4 (2.9)	STRC (2.5)	CD300LG (2.4)
0.49	>=0.20	AFF1 (2.7)	ARHGAP1 (2.6)	ATP13A1 (2.5)
0.49	>=0.20	GALNT2 (2.9)	PAFAH1B2 (2.9)	KANK2 (2.8)
0.49	>=0.20	DDB2 (3.0)	ENSG00000255020 (2	HARBI1 (2.3)
0.49	>=0.20	ENSG00000235545 (4	ENSG00000236827 (2	CBLC (2.8)
0.49	>=0.20	ENSG00000182329 (2	C1QTNF4 (2.4)	SLC30A3 (2.3)
0.49	>=0.20	NUP160 (3.7)	CCDC18 (3.7)	KDM3A (2.9)
0.49	>=0.20	NUP160 (3.9)	CAD (3.4)	CTDSPL2 (3.2)
0.49	>=0.20	ARID1A (2.6)	GMIP (2.3)	ENSG00000235545 (2
0.49	>=0.20	MAMSTR (4.7)	TRIM54 (3.3)	MAFF (3.3)
0.49	>=0.20	C11orf9 (6.6)	HAPLN4 (3.0)	MAP1A (2.4)
0.49	>=0.20	BAZ1B (3.7)	WDR76 (3.6)	BCL7B (3.1)
0.49	>=0.20	CLPTM1 (2.9)	IMMT (2.7)	POLR1A (2.6)
0.49	>=0.20	CLPTM1 (2.9)	IMMT (2.7)	POLR1A (2.6)
0.49	>=0.20	CLPTM1 (2.9)	IMMT (2.7)	POLR1A (2.6)
0.49	>=0.20	RFX4 (3.6)	CCDC121 (2.4)	FZD9 (2.4)
0.49	>=0.20	PPY (4.6)	KHK (2.5)	ANGPTL3 (2.2)
0.49	>=0.20	DOCK7 (3.7)	ARHGAP1 (3.1)	GMIP (3.1)
0.49	>=0.20	ENSG00000235545 (2	C17orf105 (2.2)	IZUMO1 (2.2)
0.49	>=0.20	EIF3J (3.7)	CKAP5 (3.1)	TP53BP1 (3.0)
0.49	>=0.20	AMBRA1 (4.5)	ATG13 (3.7)	KBTBD4 (3.7)
0.49	>=0.20	AMBRA1 (4.1)	DHX38 (2.6)	JMJD1C (2.6)
0.49	>=0.20	C8orf49 (5.4)	ENSG00000255020 (4	MYBPC3 (3.8)

0.49	>=0.20	GATAD2A (3.4)	TAGLN (3.3)	MYBPC3 (3.2)
0.49	>=0.20	FDFT1 (10.9)	FADS2 (8.4)	FADS1 (8.1)
0.49	>=0.20	CYP26A1 (4.5)	CILP2 (4.4)	SOST (2.8)
0.49	>=0.20	BAZ1B (2.9)	BUD13 (2.7)	BCL7B (2.4)
0.49	>=0.20	CELF1 (3.3)	NUP160 (3.3)	ENSG00000226645 (3
0.49	>=0.20	CELF1 (3.3)	NUP160 (3.3)	ENSG00000226645 (3
0.49	>=0.20	BAZ1B (3.7)	BUD13 (3.6)	ZNF335 (3.4)
0.49	>=0.20	MPP2 (4.7)	SLC30A3 (3.4)	C11orf49 (2.9)
0.49	>=0.20	GATA4 (4.7)	C8orf49 (4.2)	SIK3 (2.5)
0.49	>=0.20	TRIB1 (3.3)	MAU2 (2.8)	ARID1A (2.5)
0.5	>=0.20	MYBPC3 (4.8)	TRIM54 (3.5)	PACSIN3 (2.5)
0.5	>=0.20	LRP4 (4.1)	ENSG00000253379 (3	EMILIN1 (3.5)
0.5	>=0.20	PCSK7 (3.6)	AFF1 (3.2)	GMIP (3.1)
0.5	>=0.20	JMJD1C (3.2)	ENSG00000223522 (3	ATG4C (2.5)
0.5	>=0.20	NUP160 (3.6)	MFAP1 (3.4)	SUGP1 (3.1)
0.5	>=0.20	NRBP1 (3.9)	BCL7B (3.8)	ARFGAP2 (3.8)
0.5	>=0.20	CHMP3 (2.8)	TRIB1 (2.8)	GALNT2 (2.7)
0.5	>=0.20	ARID1A (3.3)	MTF2 (3.3)	CITED2 (2.8)
0.5	>=0.20	MAU2 (3.4)	SPG11 (2.9)	TBL2 (2.8)
0.5	>=0.20	FADS1 (7.1)	FADS2 (7.1)	FDFT1 (6.6)
0.5	>=0.20	DDB2 (2.9)	ZNF512 (2.9)	NUP160 (2.6)
0.5	>=0.20	APOE (4.0)	CTSB (3.4)	FUT2 (3.1)
0.5	>=0.20	MYBPC3 (9.4)	GATA4 (4.5)	TRIM54 (4.3)
0.5	>=0.20	LPL (2.1)	APOE (2.1)	COBLL1 (2.0)
0.5	>=0.20	PCSK7 (3.6)	GMIP (3.3)	MADD (3.1)
0.5	>=0.20	SPG11 (4.4)	TP53BP1 (4.0)	SUPT7L (3.4)
0.5	>=0.20	MAPK10 (2.5)	CASC4 (2.1)	SLC22A3 (2.0)
0.5	>=0.20	BLK (3.1)	KDM3A (2.8)	CMIP (2.7)
0.5	>=0.20	GMIP (2.8)	CD300LG (2.7)	ARFGAP2 (2.6)
0.5	>=0.20	LPAL2 (4.3)	ANGPTL3 (3.2)	TM6SF2 (3.0)
0.5	>=0.20	TXNL4B (3.2)	KBTBD4 (2.6)	TMEM175 (2.6)
0.5	>=0.20	BLK (2.8)	MPP3 (2.7)	TP53BP1 (2.7)
0.5	>=0.20	MFAP1 (3.5)	NUP160 (3.2)	BUD13 (3.1)
0.5	>=0.20	AMBRA1 (4.0)	PACSIN3 (2.8)	HARBI1 (2.5)
0.5	>=0.20	PCSK7 (3.1)	AFF1 (2.8)	PAFAH1B2 (2.8)
0.5	>=0.20	ATG4C (3.0)	ZNF335 (2.6)	ENSG00000226645 (2
0.5	>=0.20	CITED2 (2.9)	CMIP (2.4)	PDIA3 (2.2)
0.5	>=0.20	NOP58 (3.9)	PPM1G (3.3)	CAD (3.0)
0.5	>=0.20	PBX4 (3.1)	ENSG00000255020 (2	ENSG00000236827 (2
0.5	>=0.20	DUSP3 (3.3)	KLF14 (2.9)	FRMD5 (2.3)
0.5	>=0.20	MTCH2 (4.7)	NDUFS3 (3.3)	NFE2L3 (3.3)
0.5	>=0.20	LRP4 (3.6)	BMPR2 (2.6)	ENSG00000223522 (2
0.5	>=0.20	NCAN (4.5)	RFX4 (3.6)	DPYSL5 (2.8)
0.5	>=0.20	IZUMO1 (2.3)	PLTP (2.3)	EMILIN1 (2.2)
0.5	>=0.20	CLPTM1 (3.3)	ATG4C (3.3)	PREB (3.2)
0.5	>=0.20	PLTP (2.6)	ENSG00000200241 (2	ENSG00000182319 (2
0.5	>=0.20	PLTP (2.6)	ENSG00000200241 (2	ENSG00000182319 (2
0.5	>=0.20	GPN2 (3.6)	MTMR9 (3.3)	INTS10 (2.9)
0.5	>=0.20	C17orf105 (5.8)	C2orf53 (3.2)	ENSG00000257711 (3
0.5	>=0.20	LSM12 (3.8)	ENSG00000223745 (3	SNX17 (3.1)

0.5	>=0.20	OST4 (4.1)	NOP58 (3.2)	NSMAF (2.5)
0.5	>=0.20	DR1 (3.6)	ZNF664 (3.3)	BCL7B (2.9)
0.5	>=0.20	DR1 (3.6)	ZNF664 (3.3)	BCL7B (2.9)
0.5	>=0.20	DR1 (3.6)	ZNF664 (3.3)	BCL7B (2.9)
0.5	>=0.20	PCIF1 (4.2)	DHX38 (4.1)	MFAP1 (3.9)
0.5	>=0.20	FZD9 (4.0)	ENSG00000234945 (3	RFX4 (2.9)
0.5	>=0.20	GMIP (3.3)	ARHGAP1 (2.7)	PTPRJ (2.3)
0.5	>=0.20	MAMSTR (6.3)	TRIM54 (4.2)	PACSIN3 (3.9)
0.5	>=0.20	ENSG00000256731 (8	PYY (4.0)	PPY (3.0)
0.5	>=0.20	TDH (3.1)	SOST (3.0)	CCDC121 (2.4)
0.5	>=0.20	NUP160 (3.6)	SUGP1 (3.4)	MFAP1 (2.9)
0.5	>=0.20	PTCD3 (4.3)	IMMT (3.7)	CAD (3.4)
0.5	>=0.20	RFX4 (4.2)	NCAN (3.0)	C11orf9 (2.7)
0.5	>=0.20	EMILIN1 (5.0)	CGREF1 (4.3)	SOST (3.8)
0.5	>=0.20	POLR1A (4.1)	CAD (4.1)	DHODH (3.1)
0.5	>=0.20	CSGALNACT1 (4.8)	RIC8B (2.7)	RASIP1 (2.3)
0.5	>=0.20	RIC8B (2.5)	ZNF408 (2.4)	STRC (2.2)
0.5	>=0.20	NOP58 (4.0)	FNBP4 (3.8)	PPM1G (2.7)
0.5	>=0.20	CKAP5 (5.1)	CCDC18 (3.8)	FEN1 (3.5)
0.5	>=0.20	DNAH10 (2.5)	DNAJC5G (2.3)	ENSG00000254235 (2
0.5	>=0.20	DHX38 (4.3)	PCIF1 (3.5)	INTS10 (3.5)
0.5	>=0.20	REEP3 (2.6)	ENSG00000255020 (2	ABHD1 (2.5)
0.5	>=0.20	CKAP5 (3.6)	TMEM175 (2.9)	FEN1 (2.2)
0.5	>=0.20	CBLC (3.9)	KDM3A (2.7)	BLK (2.6)
0.5	>=0.20	FZD9 (2.4)	CYP26A1 (2.3)	SOST (2.1)
0.5	>=0.20	ARID1A (3.4)	BAZ1B (2.8)	LSM12 (2.6)
0.5	>=0.20	KLF14 (2.9)	ENSG00000179523 (2	TSSK6 (2.6)
0.5	>=0.20	TSSK6 (2.8)	BUD13 (2.7)	MTF2 (1.9)
0.51	>=0.20	NOP58 (4.2)	PPM1G (3.5)	DHX38 (3.4)
0.51	>=0.20	NOP58 (3.6)	MTF2 (3.1)	PTCD3 (3.1)
0.51	>=0.20	ZNF664 (3.3)	LPAR2 (2.6)	BCAM (2.4)
0.51	>=0.20	PBX4 (3.2)	PTPRJ (2.9)	ACP2 (2.9)
0.51	>=0.20	RIC8B (3.6)	IMMT (3.5)	SDCBP (3.3)
0.51	>=0.20	SLC22A3 (4.1)	ENSG00000235545 (2	RIC8B (2.7)
0.51	>=0.20	BCL3 (3.2)	HDAC5 (3.0)	ZDHHC18 (2.6)
0.51	>=0.20	TDH (3.4)	HAVCR1 (3.4)	BNC2 (2.8)
0.51	>=0.20	USP1 (4.4)	FEN1 (4.4)	WDR76 (3.9)
0.51	>=0.20	TM6SF2 (2.5)	NAT2 (2.4)	ENSG00000182329 (2
0.51	>=0.20	MYBPC3 (4.2)	GATA4 (3.7)	IGF2R (2.6)
0.51	>=0.20	CSGALNACT1 (3.1)	CTSB (3.0)	KRTCAP3 (2.9)
0.51	>=0.20	ENSG00000236267 (2	SLC30A3 (2.3)	CSGALNACT1 (2.2)
0.51	>=0.20	SFN (2.9)	SDC1 (2.8)	C8orf49 (2.4)
0.51	>=0.20	SLC22A3 (2.5)	PLTP (2.2)	CETP (2.1)
0.51	>=0.20	COBLL1 (3.7)	PLTP (2.8)	BCAM (2.5)
0.51	>=0.20	NSMAF (2.7)	SNX17 (2.4)	GATAD2A (2.3)
0.51	>=0.20	C8orf12 (3.4)	SFN (3.0)	ABO (2.9)
0.51	>=0.20	ZDHHC18 (3.7)	PTPRJ (2.8)	BCL3 (2.7)
0.51	>=0.20	TAGLN (4.6)	SDC1 (3.8)	SFN (2.7)
0.51	>=0.20	NCAN (4.0)	RFX4 (4.0)	JMJD1C (3.7)
0.51	>=0.20	TMEM214 (3.8)	REEP3 (3.2)	CLPTM1 (3.0)

0.51	>=0.20	MTCH2 (3.8)	NRBP1 (3.4)	ENSG00000200241 (3
0.51	>=0.20	MTCH2 (3.4)	NFE2L3 (3.3)	EIF3J (3.1)
0.51	>=0.20	CYP26A1 (2.8)	RSPO3 (2.5)	FNDC4 (2.2)
0.51	>=0.20	CYP26A1 (2.7)	ABO (2.6)	FZD9 (2.3)
0.51	>=0.20	ZNF513 (3.4)	ENSG00000236827 (2	IZUMO1 (2.1)
0.51	>=0.20	CSGALNACT1 (2.2)	PLTP (2.2)	EPB41L3 (2.1)
0.51	>=0.20	CSGALNACT1 (2.2)	PLTP (2.2)	EPB41L3 (2.1)
0.51	>=0.20	ATG4C (3.5)	TSSK6 (2.9)	PTPMT1 (2.8)
0.51	>=0.20	DHODH (3.8)	HARBI1 (3.4)	ZNF259 (3.2)
0.51	>=0.20	TRIM54 (8.0)	PACSIN3 (4.8)	MYBPC3 (3.5)
0.51	>=0.20	ENSG00000256746 (2	ENSG00000182329 (2	ENSG00000255020 (2
0.51	>=0.20	BLK (3.1)	DDB2 (3.0)	NFE2L3 (2.8)
0.51	>=0.20	EIF2B4 (2.7)	DNAH10 (2.7)	AGBL2 (2.4)
0.51	>=0.20	NOP58 (4.8)	POLR1A (4.7)	ZNF259 (4.7)
0.51	>=0.20	CCDC18 (3.0)	ABHD1 (2.4)	MTF2 (2.3)
0.51	>=0.20	IZUMO1 (3.4)	TDH (2.7)	PBX4 (2.5)
0.51	>=0.20	MYBPC3 (6.5)	TRIM54 (5.0)	FRMD5 (4.6)
0.51	>=0.20	DOCK6 (4.2)	RASIP1 (3.1)	ENSG00000182319 (2
0.51	>=0.20	GATAD2A (2.9)	PGS1 (2.6)	ZNF513 (2.6)
0.51	>=0.20	GMIP (2.9)	BLK (2.7)	INTS10 (2.6)
0.51	>=0.20	CCDC121 (2.9)	ZNF513 (2.2)	PIGV (2.1)
0.51	>=0.20	FDFT1 (11.1)	FADS2 (8.5)	FADS1 (8.1)
0.51	>=0.20	AMBRA1 (4.3)	HARBI1 (2.6)	PACSIN3 (2.6)
0.51	>=0.20	NCAN (4.7)	C1QTNF4 (4.7)	SLC30A3 (3.9)
0.51	>=0.20	CKAP5 (3.2)	FEN1 (3.0)	USP1 (2.9)
0.51	>=0.20	POLR1A (4.2)	NOP58 (4.0)	ZNF259 (3.7)
0.51	>=0.20	SUMO1 (2.7)	FNBP4 (2.6)	C8orf12 (2.6)
0.51	>=0.20	FEN1 (4.3)	WDR76 (3.9)	FDFT1 (3.4)
0.51	>=0.20	SDC1 (4.1)	ENSG00000182319 (3	TAGLN (3.3)
0.51	>=0.20	ENSG00000182319 (3	CHMP3 (2.5)	SDCBP (2.4)
0.51	>=0.20	PLTP (2.8)	EMILIN1 (2.7)	BNC2 (2.3)
0.51	>=0.20	AFF1 (3.3)	PCSK7 (3.3)	PAFAH1B2 (3.2)
0.51	>=0.20	TECTB (4.3)	FUT2 (2.2)	UCN (2.2)
0.51	>=0.20	ENSG00000236827 (2	ENSG00000256731 (2	ENSG00000182329 (2
0.51	>=0.20	C8orf49 (5.7)	C11orf9 (2.8)	ENSG00000234945 (2
0.51	>=0.20	PVRL2 (2.6)	BCL3 (2.4)	NFE2L3 (2.3)
0.51	>=0.20	TXNL4B (2.8)	HP (2.4)	PPIP5K1 (2.4)
0.51	>=0.20	CELF1 (3.8)	GMIP (3.4)	ARID1A (2.7)
0.51	>=0.20	ZNF259 (4.3)	NOP58 (4.0)	EIF3J (3.7)
0.51	>=0.20	NCAN (5.9)	SDC1 (3.2)	SLC30A3 (2.8)
0.51	>=0.20	FNBP4 (3.5)	NUP160 (3.4)	BUD13 (3.2)
0.51	>=0.20	TXNL4B (4.8)	LSM12 (3.5)	FNBP4 (3.2)
0.51	>=0.20	MAFF (3.6)	TRIB1 (3.1)	DR1 (2.5)
0.52	>=0.20	FGF21 (3.8)	FUT1 (3.2)	CASC4 (3.2)
0.52	>=0.20	WDR76 (3.7)	DHODH (3.0)	PIGV (2.8)
0.52	>=0.20	TECTB (4.2)	CASC4 (2.8)	ENSG00000235545 (2
0.52	>=0.20	AFF1 (3.5)	PCSK7 (3.3)	GMIP (2.5)
0.52	>=0.20	PCIF1 (4.4)	SUGP1 (4.1)	DHX38 (3.9)
0.52	>=0.20	DR1 (2.6)	ZNF408 (2.3)	C8orf12 (2.1)
0.52	>=0.20	BMPR2 (4.1)	ABO (3.0)	RSPO3 (2.5)

0.52	>=0.20	MRPL33 (3.3)	DHX38 (3.0)	PCIF1 (2.9)
0.52	>=0.20	KLF14 (2.7)	BCL7B (2.1)	CYP26A1 (2.0)
0.52	>=0.20	BNC2 (2.6)	COBLL1 (2.5)	CCDC121 (2.3)
0.52	>=0.20	MTMR9 (6.0)	NEIL2 (5.1)	INTS10 (2.9)
0.52	>=0.20	MTMR9 (3.7)	C11orf49 (3.5)	CCDC121 (3.0)
0.52	>=0.20	RIC8B (3.1)	PCIF1 (2.9)	TRIB1 (2.5)
0.52	>=0.20	ENSG00000253379 (3	SFN (3.1)	FZD9 (3.0)
0.52	>=0.20	FAM167A (3.6)	C1orf172 (3.2)	LRP4 (2.7)
0.52	>=0.20	CBLC (3.2)	C1orf172 (3.1)	ARID1A (2.6)
0.52	>=0.20	OST4 (3.6)	SUMO1 (2.8)	MRPL33 (2.5)
0.52	>=0.20	KDM3A (3.2)	VEGFA (2.7)	MYBPC3 (2.5)
0.52	>=0.20	PBX4 (2.4)	NR1H3 (2.2)	CETP (2.0)
0.52	>=0.20	C8orf49 (4.2)	TSSK6 (3.4)	C17orf105 (3.3)
0.52	>=0.20	NCAN (4.6)	CYP7A1 (3.0)	APOC4 (2.8)
0.52	>=0.20	ZDHHC18 (2.4)	GMIP (2.3)	PBX4 (2.1)
0.52	>=0.20	DUSP3 (3.5)	MAFF (3.0)	SDCBP (2.9)
0.52	>=0.20	BUD13 (2.5)	TOMM40 (2.4)	PTPMT1 (2.3)
0.52	>=0.20	BLK (5.8)	GMIP (2.6)	CETP (2.4)
0.52	>=0.20	FEN1 (2.7)	USP1 (2.6)	BUD13 (2.5)
0.52	>=0.20	ABHD1 (3.1)	MPV17 (2.7)	BRE (2.3)
0.52	>=0.20	ABHD1 (3.1)	MPV17 (2.7)	BRE (2.3)
0.52	>=0.20	USP1 (4.6)	BAZ1B (4.4)	WDR76 (3.7)
0.52	>=0.20	ENSG00000236827 (2	KANK2 (2.8)	C8orf49 (2.3)
0.52	>=0.20	HAPLN4 (3.3)	KLF14 (2.7)	SLC30A3 (2.3)
0.52	>=0.20	NOP58 (4.9)	ZNF259 (4.5)	POLR1A (4.5)
0.52	>=0.20	REEP1 (4.5)	ENSG00000255020 (3	KANK2 (3.8)
0.52	>=0.20	PLTP (2.6)	NCAN (2.2)	CCDC121 (2.0)
0.52	>=0.20	GPN1 (4.2)	ZNF259 (3.7)	EIF3J (2.8)
0.52	>=0.20	EMILIN1 (3.3)	BNC2 (3.2)	KANK2 (2.8)
0.52	>=0.20	DOCK7 (3.4)	SFN (3.3)	TIMD4 (3.0)
0.52	>=0.20	APOC1 (3.9)	TAGLN (3.7)	PLTP (3.3)
0.52	>=0.20	ENSG00000222035 (4	ENSG00000223745 (3	DNAH10 (2.9)
0.52	>=0.20	DDB2 (3.0)	ENSG00000235545 (2	WDR76 (2.6)
0.52	>=0.20	ZDHHC18 (2.8)	PTPN13 (2.2)	GMIP (2.1)
0.52	>=0.20	ABHD1 (3.0)	TDH (2.8)	PTPN13 (2.7)
0.52	>=0.20	FUT1 (2.5)	ENSG00000234945 (2	AFF1 (2.3)
0.52	>=0.20	NOP58 (4.8)	ZNF259 (3.8)	POLR1A (3.3)
0.52	>=0.20	KLF14 (2.6)	TM6SF2 (2.0)	AGBL5 (2.0)
0.52	>=0.20	BNC2 (3.9)	DOCK7 (3.6)	PTPN13 (2.7)
0.52	>=0.20	DNAJC5G (5.7)	PBX4 (2.5)	NEIL2 (1.9)
0.52	>=0.20	ENSG00000256746 (3	TDH (2.6)	LINC00208 (2.3)
0.52	>=0.20	FEN1 (4.3)	WDR76 (4.3)	CKAP5 (4.1)
0.52	>=0.20	MYBPC3 (7.5)	TRIM54 (3.8)	GATA4 (3.8)
0.52	>=0.20	CD300LG (3.6)	SLC22A3 (3.2)	MLXIPL (2.5)
0.52	>=0.20	LSM12 (2.7)	KANK2 (2.2)	CELF1 (2.0)
0.52	>=0.20	FZD9 (3.3)	DNAJC5G (2.8)	C8orf12 (2.6)
0.52	>=0.20	LSM12 (2.6)	G6PC3 (2.2)	CITED2 (2.0)
0.52	>=0.20	MTCH2 (5.0)	MRPL35 (3.2)	NDUFS3 (3.2)
0.52	>=0.20	ZDHHC18 (3.1)	TBL2 (2.9)	NSMAF (2.8)
0.52	>=0.20	ZNF408 (2.8)	CBLC (2.6)	AMBRA1 (2.5)

0.52	>=0.20	MAFF (3.4)	REEP3 (3.2)	CASC4 (3.0)
0.52	>=0.20	SUMO1 (2.7)	MTCH2 (2.5)	C19orf80 (2.4)
0.52	>=0.20	MPV17 (4.2)	PTCD3 (4.1)	GPN1 (3.2)
0.52	>=0.20	MRPL35 (4.5)	MRPL33 (4.0)	NDUFS3 (3.5)
0.52	>=0.20	MRPL35 (4.5)	MRPL33 (4.0)	NDUFS3 (3.5)
0.52	>=0.20	AFF1 (2.8)	GATAD2A (2.8)	GMIP (2.6)
0.52	>=0.20	GATAD2A (3.5)	CTDSPL2 (2.8)	CHMP3 (2.7)
0.53	>=0.20	ATG13 (4.9)	PREB (4.5)	TMEM214 (4.4)
0.53	>=0.20	PYY (2.8)	CELF1 (2.4)	MYBPC3 (2.0)
0.53	>=0.20	MAU2 (3.0)	MAPRE3 (2.9)	GTF3C2 (2.6)
0.53	>=0.20	NDUFS3 (6.6)	IMMT (5.3)	MRPL35 (4.7)
0.53	>=0.20	ABO (2.3)	DOCK7 (2.3)	CHMP3 (2.2)
0.53	>=0.20	FUT2 (2.8)	NFE2L3 (2.7)	CSGALNACT1 (2.6)
0.53	>=0.20	HAPLN4 (4.8)	IGF2R (2.8)	MAP1A (2.5)
0.53	>=0.20	BUD13 (3.2)	SUGP1 (3.1)	ZNF335 (3.0)
0.53	>=0.20	BAZ1B (3.3)	PPM1G (2.5)	DDB2 (2.4)
0.53	>=0.20	SIK3 (3.4)	C11orf9 (3.1)	ARFGAP2 (3.1)
0.53	>=0.20	DNAJC5G (2.3)	ENSG00000254235 (2	DNAH10 (2.2)
0.53	>=0.20	FUT1 (3.5)	MADD (3.4)	PPIP5K1 (2.8)
0.53	>=0.20	MLXIPL (3.2)	KHK (2.4)	C1QTNF4 (2.3)
0.53	>=0.20	RFX4 (4.6)	BNC2 (3.8)	LRP4 (2.7)
0.53	>=0.20	ZNF513 (3.2)	NRBF2 (2.4)	GMIP (2.4)
0.53	>=0.20	ENSG00000236827 (1	C17orf105 (1.4)	COBLL1 (1.4)
0.53	>=0.20	CYP26A1 (5.5)	SOST (4.2)	ENSG00000253379 (3
0.53	>=0.20	NCAN (2.6)	PLTP (2.6)	PMFBP1 (2.1)
0.53	>=0.20	BLK (9.0)	GMIP (3.8)	TIMD4 (3.2)
0.53	>=0.20	KHK (5.8)	TM6SF2 (4.9)	APOA4 (4.4)
0.53	>=0.20	IZUMO1 (2.9)	ENSG00000235545 (2	ZDHHC18 (2.3)
0.53	>=0.20	NUP160 (3.9)	INTS10 (3.8)	EIF3J (3.4)
0.53	>=0.20	ATG13 (3.1)	ENSG00000223745 (3	C11orf49 (3.0)
0.53	>=0.20	FADS2 (3.1)	FGF21 (2.6)	ENSG00000256731 (2
0.53	>=0.20	TECTB (5.1)	ENSG00000256731 (3	GPAM (2.9)
0.53	>=0.20	FRMD5 (2.8)	ENSG00000236267 (2	HARBI1 (2.6)
0.53	>=0.20	KDM3A (2.3)	NRBF2 (2.2)	NRBP1 (1.9)
0.53	>=0.20	KLF14 (3.5)	ENSG00000179523 (2	EPB41L3 (2.2)
0.53	>=0.20	INTS10 (3.7)	CAD (3.1)	SLC5A6 (3.0)
0.53	>=0.20	TRNP1 (2.3)	PTPRJ (2.0)	CMIP (2.0)
0.53	>=0.20	NRBF2 (3.9)	DR1 (2.7)	PMFBP1 (2.6)
0.53	>=0.20	NRBF2 (3.9)	DR1 (2.7)	PMFBP1 (2.6)
0.53	>=0.20	NRBF2 (3.9)	DR1 (2.7)	PMFBP1 (2.6)
0.53	>=0.20	RSPO3 (2.8)	ENSG00000234945 (2	ABO (2.2)
0.53	>=0.20	DPYSL5 (3.1)	NCAN (3.0)	FRMD5 (2.8)
0.53	>=0.20	BNC2 (2.3)	PTPN13 (2.2)	ZNF513 (2.2)
0.53	>=0.20	CILP2 (4.7)	CYP26A1 (4.0)	SOST (3.1)
0.53	>=0.20	MAFF (2.6)	CITED2 (2.2)	PAFAH1B2 (2.2)
0.53	>=0.20	TAGLN (3.5)	SDC1 (3.2)	ENSG00000182319 (3
0.53	>=0.20	FNDC4 (3.2)	ENSG00000253379 (3	DPYSL5 (2.5)
0.53	>=0.20	ENSG00000256731 (3	ABO (2.6)	ENSG00000223745 (2
0.53	>=0.20	CBLC (5.8)	SFN (5.3)	C1orf172 (4.0)
0.53	>=0.20	ATG13 (3.3)	ENSG00000223745 (3	EIF3J (3.0)

0.53	>=0.20	MRPL35 (4.6)	PTPMT1 (3.6)	MTCH2 (3.6)
0.53	>=0.20	IZUMO1 (2.9)	NEIL2 (2.8)	PGS1 (2.5)
0.53	>=0.20	IZUMO1 (2.9)	NEIL2 (2.8)	PGS1 (2.5)
0.53	>=0.20	OST4 (5.4)	MRPL33 (3.7)	ENSG00000223522 (1
0.53	>=0.20	ENSG00000235545 (3	ARFGAP2 (3.0)	STRC (2.4)
0.53	>=0.20	ENSG00000236267 (3	RBKS (3.1)	AFF1 (2.9)
0.53	>=0.20	FNBP4 (4.3)	GPN2 (4.2)	ZNF335 (2.7)
0.53	>=0.20	GATAD2A (3.0)	ENSG00000182319 (2	GMIP (2.5)
0.53	>=0.20	CLPTM1 (2.9)	SIK3 (2.3)	EPB41L3 (2.2)
0.53	>=0.20	CKAP5 (4.3)	TMEM175 (3.7)	FEN1 (2.8)
0.53	>=0.20	COBLL1 (3.3)	ATG4C (2.4)	NRBF2 (2.1)
0.53	>=0.20	PACSIN3 (3.2)	ENSG00000223745 (2	RBKS (2.6)
0.53	>=0.20	C11orf9 (4.8)	ARHGAP1 (2.7)	ENSG00000223522 (2
0.53	>=0.20	TAGLN (3.2)	ENSG00000182319 (2	CELF1 (2.6)
0.53	>=0.20	STRC (4.0)	TMEM214 (3.2)	ACP2 (2.9)
0.53	>=0.20	CATSPER2 (3.0)	ARHGAP1 (2.7)	GMIP (2.6)
0.53	>=0.20	PDIA3 (5.3)	CATSPER2 (3.2)	CYP7A1 (2.8)
0.53	>=0.20	DHX38 (3.0)	ARID1A (2.9)	CELF1 (2.9)
0.53	>=0.20	LRP4 (2.8)	MAMSTR (2.5)	SOST (2.3)
0.53	>=0.20	NDUFS3 (4.4)	MRPL33 (3.6)	OST4 (3.2)
0.53	>=0.20	RSPO3 (2.7)	TRIB1 (2.2)	DPYSL5 (1.8)
0.53	>=0.20	SFN (4.3)	C1orf172 (4.1)	PVRL2 (3.8)
0.54	>=0.20	BCL7B (4.4)	MTF2 (3.2)	KDM3A (3.1)
0.54	>=0.20	BCL7B (4.4)	MTF2 (3.2)	KDM3A (3.1)
0.54	>=0.20	CYP26A1 (3.1)	RSPO3 (2.9)	ENSG00000254235 (2
0.54	>=0.20	WDR76 (4.5)	FEN1 (3.5)	USP1 (3.3)
0.54	>=0.20	ENSG00000236267 (3	ABO (3.6)	TAGLN (2.7)
0.54	>=0.20	CYP26A1 (3.6)	PTPN13 (3.3)	LRP4 (2.6)
0.54	>=0.20	CILP2 (3.9)	FZD9 (3.6)	ENSG00000253379 (3
0.54	>=0.20	MAMSTR (3.4)	BMPR2 (2.6)	TMEM101 (2.5)
0.54	>=0.20	MLXIPL (3.3)	MRPL35 (2.6)	PTPMT1 (2.4)
0.54	>=0.20	CAD (3.9)	NUP160 (3.7)	POLR1A (3.3)
0.54	>=0.20	REEP1 (2.7)	PLA2G6 (2.7)	FGF21 (2.5)
0.54	>=0.20	MTCH2 (4.6)	EIF2B4 (3.3)	IMMT (3.2)
0.54	>=0.20	SUGP1 (3.0)	ZNF408 (3.0)	ZNF335 (2.8)
0.54	>=0.20	SUGP1 (3.0)	ZNF408 (3.0)	ZNF335 (2.8)
0.54	>=0.20	SUGP1 (3.0)	ZNF408 (3.0)	ZNF335 (2.8)
0.54	>=0.20	PCIF1 (3.7)	CKAP5 (3.5)	HDAC5 (3.1)
0.54	>=0.20	DNAJC5G (4.1)	ENSG00000254235 (3	UCN (3.0)
0.54	>=0.20	PYY (2.8)	FNDC4 (2.5)	MPP2 (2.2)
0.54	>=0.20	RASIP1 (6.5)	PLTP (5.0)	DOCK6 (3.9)
0.54	>=0.20	CELF1 (3.0)	NRBF2 (2.6)	CMIP (2.3)
0.54	>=0.20	UBXN2B (3.3)	G6PC3 (2.5)	TMEM175 (2.5)
0.54	>=0.20	INTS10 (2.8)	MTF2 (2.5)	KDM3A (2.3)
0.54	>=0.20	ENSG00000179523 (4	CSGALNACT1 (2.6)	LPL (2.4)
0.54	>=0.20	FEN1 (4.9)	CKAP5 (4.6)	USP1 (3.7)
0.54	>=0.20	MAU2 (3.7)	CCDC18 (2.7)	LPAR2 (2.6)
0.54	>=0.20	SDC1 (2.9)	NFE2L3 (2.7)	C11orf9 (2.7)
0.54	>=0.20	PMFBP1 (2.8)	PLTP (2.5)	EPB41L3 (2.1)
0.54	>=0.20	IMMT (2.6)	C1orf172 (2.5)	CBLC (2.4)

0.54	>=0.20	NDUFS3 (5.0)	PTPMT1 (3.9)	C2orf28 (3.6)
0.54	>=0.20	RFX4 (7.1)	NCAN (4.1)	DPYSL5 (3.5)
0.54	>=0.20	MTMR9 (4.8)	NEIL2 (4.6)	INTS10 (2.9)
0.54	>=0.20	ZNF513 (3.1)	ATG4C (2.4)	NRBF2 (2.4)
0.54	>=0.20	BLK (4.0)	TIMD4 (3.4)	AGBL2 (3.0)
0.54	>=0.20	TMEM214 (7.4)	PREB (5.7)	ATG13 (4.8)
0.54	>=0.20	BLK (8.0)	GMIP (3.7)	ZDHHC18 (2.6)
0.54	>=0.20	CHMP3 (3.2)	CMIP (2.6)	SIK3 (2.4)
0.54	>=0.20	SUGP1 (3.6)	DHODH (3.6)	PTCD3 (3.6)
0.54	>=0.20	RASIP1 (4.7)	DOCK6 (3.4)	BMPR2 (2.3)
0.54	>=0.20	ENSG00000253379 (6	LRP4 (3.4)	CILP2 (3.3)
0.54	>=0.20	ZNF664 (2.7)	AFF1 (2.7)	RIC8B (2.5)
0.54	>=0.20	CASC4 (4.5)	PYY (2.6)	PBX4 (2.5)
0.54	>=0.20	DHX38 (3.2)	FDFT1 (2.6)	FADS2 (2.3)
0.54	>=0.20	PGS1 (3.8)	PYY (3.2)	CMIP (3.0)
0.54	>=0.20	KHK (3.7)	TM6SF2 (3.4)	AGBL2 (3.1)
0.54	>=0.20	WDR76 (6.2)	FEN1 (5.6)	DDB2 (4.2)
0.54	>=0.20	POLR1A (3.8)	DHODH (3.6)	ZNF259 (3.4)
0.54	>=0.20	EIF2B4 (3.8)	NRBP1 (3.8)	MTCH2 (3.1)
0.54	>=0.20	ATP13A1 (3.6)	CLPTM1 (3.4)	TMEM175 (2.9)
0.54	>=0.20	ATP13A1 (3.6)	CLPTM1 (3.4)	TMEM175 (2.9)
0.54	>=0.20	CKAP5 (4.0)	USP1 (3.1)	FEN1 (3.1)
0.54	>=0.20	BLK (3.2)	BCL3 (3.0)	IGF2R (2.9)
0.54	>=0.20	RSPO3 (3.2)	CCDC121 (2.7)	CYP26A1 (2.6)
0.54	>=0.20	ENSG00000253379 (5	LRP4 (2.8)	BNC2 (2.5)
0.54	>=0.20	RSPO3 (3.8)	ENSG00000234945 (2	ENSG00000179523 (2
0.54	>=0.20	ANGPTL3 (3.4)	SLC22A1 (3.3)	MPV17 (3.3)
0.54	>=0.20	CSGALNACT1 (2.8)	CYP26A1 (2.5)	FZD9 (2.5)
0.54	>=0.20	CTSB (4.5)	SDCBP (3.4)	MAPRE3 (3.3)
0.54	>=0.20	SLC5A6 (3.3)	LPL (2.5)	KRTCAP3 (2.4)
0.54	>=0.20	IMMT (4.2)	SNX17 (4.0)	CAD (3.8)
0.54	>=0.20	BLK (3.6)	MAU2 (2.7)	KDM3A (2.7)
0.54	>=0.20	ENSG00000256746 (2	ENSG00000182329 (2	ENSG00000255020 (1
0.54	>=0.20	NUP160 (4.5)	INTS10 (3.2)	CTDSPL2 (3.0)
0.54	>=0.20	MTCH2 (4.8)	MRPL35 (3.7)	NDUFS3 (3.6)
0.54	>=0.20	NFE2L3 (3.7)	MTCH2 (3.4)	NDUFS3 (2.8)
0.54	>=0.20	ANGPTL4 (2.8)	ENSG00000179523 (2	PTPRJ (2.3)
0.54	>=0.20	AFF1 (3.5)	ZNF512 (3.1)	KDM3A (2.9)
0.54	>=0.20	KHK (2.8)	BCAM (2.3)	HAVCR1 (2.1)
0.54	>=0.20	FGF21 (2.5)	AGBL2 (2.3)	ENSG00000257711 (2
0.54	>=0.20	PBX4 (4.0)	PIGV (2.5)	MAFF (2.4)
0.54	>=0.20	MRPL35 (4.8)	PTPMT1 (4.1)	MRPL33 (3.5)
0.54	>=0.20	EMILIN1 (4.3)	C11orf9 (3.5)	RSPO3 (2.9)
0.55	>=0.20	BLK (3.7)	KDM3A (2.9)	MAU2 (2.8)
0.55	>=0.20	AFF1 (3.4)	GMIP (2.5)	SIK3 (2.2)
0.55	>=0.20	BCL7B (2.4)	GALNT2 (2.3)	DDB2 (2.2)
0.55	>=0.20	ZNF259 (4.3)	NOP58 (4.1)	EIF3J (3.1)
0.55	>=0.20	FZD9 (4.7)	CILP2 (4.2)	CITED2 (3.2)
0.55	>=0.20	NDUFS3 (4.1)	MRPL35 (4.0)	BRE (3.8)
0.55	>=0.20	NDUFS3 (4.1)	MRPL35 (4.0)	BRE (3.8)

0.55	>=0.20	TRIB1 (6.4)	MAFF (6.0)	CITED2 (4.9)
0.55	>=0.20	MAMSTR (3.8)	PPY (2.4)	BAZ1B (2.3)
0.55	>=0.20	ARHGAP1 (3.6)	CLPTM1 (3.1)	ZNF512 (2.8)
0.55	>=0.20	DDB2 (3.7)	MPV17 (2.2)	ENSG00000182329 (2
0.55	>=0.20	ENSG00000236827 (2	GALNT2 (2.4)	KLF14 (2.3)
0.55	>=0.20	SLC30A3 (3.3)	HAPLN4 (3.2)	TBL2 (2.8)
0.55	>=0.20	C2orf16 (2.9)	C11orf9 (2.7)	FRMD5 (2.7)
0.55	>=0.20	PCIF1 (3.7)	BUD13 (3.5)	ARID1A (3.4)
0.55	>=0.20	NOP58 (3.4)	ZNF259 (2.5)	EIF3J (2.3)
0.55	>=0.20	ARFGAP2 (3.3)	EIF2B4 (3.1)	PREB (3.0)
0.55	>=0.20	NUP160 (3.6)	MFAP1 (3.4)	BUD13 (3.3)
0.55	>=0.20	PTCD3 (3.6)	TOMM40 (3.6)	GPN2 (3.4)
0.55	>=0.20	FDFT1 (3.1)	KRTCAP3 (2.8)	C1orf172 (2.6)
0.55	>=0.20	NRBP1 (2.8)	CHMP3 (2.5)	REEP1 (2.4)
0.55	>=0.20	C8orf12 (3.0)	ENSG00000257711 (2	C2orf53 (2.5)
0.55	>=0.20	CLPTM1 (2.7)	IMMT (2.5)	CHMP3 (2.3)
0.55	>=0.20	ATG13 (3.5)	KDM3A (3.0)	ENSG00000234945 (2
0.55	>=0.20	C11orf9 (3.2)	MAP1A (3.0)	EPB41L3 (2.9)
0.55	>=0.20	UCN (2.8)	ENSG00000235545 (2	MAPK10 (2.1)
0.55	>=0.20	BLK (2.9)	TRIB1 (2.9)	GALNT2 (2.1)
0.55	>=0.20	ZNF259 (4.7)	GPN2 (4.0)	TOMM40 (3.4)
0.55	>=0.20	CMIP (4.1)	GMIP (3.1)	ZNF513 (1.9)
0.55	>=0.20	CCDC18 (3.7)	CKAP5 (3.5)	FEN1 (3.1)
0.55	>=0.20	ENSG00000222035 (3	ENSG00000235545 (2	PTPN13 (2.6)
0.55	>=0.20	ENSG00000222035 (3	ENSG00000235545 (2	PTPN13 (2.6)
0.55	>=0.20	MPP2 (3.4)	MAPRE3 (3.0)	TRNP1 (2.8)
0.55	>=0.20	MTCH2 (3.2)	GATAD2A (3.1)	IMMT (3.1)
0.55	>=0.20	SOST (3.3)	ENSG00000253379 (3	SDC1 (2.9)
0.55	>=0.20	CETP (3.0)	BLK (2.7)	TDH (2.5)
0.55	>=0.20	MTF2 (3.6)	KDM3A (3.3)	ATP13A1 (2.1)
0.55	>=0.20	MTF2 (3.6)	KDM3A (3.3)	ATP13A1 (2.1)
0.55	>=0.20	INTS10 (2.7)	PPM1G (2.6)	SUGP1 (2.5)
0.55	>=0.20	NFE2L3 (4.2)	MTCH2 (4.0)	EIF2B4 (3.6)
0.55	>=0.20	SDCBP (3.0)	CTSB (2.6)	OST4 (2.5)
0.55	>=0.20	PLTP (3.5)	MAMSTR (2.7)	BCAM (2.6)
0.55	>=0.20	HP (5.6)	ANGPTL3 (2.9)	NSMAF (2.5)
0.55	>=0.20	EMILIN1 (4.2)	ANGPTL4 (2.7)	LPL (2.6)
0.55	>=0.20	NFE2L3 (2.3)	MAU2 (2.1)	ATG13 (2.0)
0.55	>=0.20	TMEM214 (4.7)	SUGP1 (3.6)	ARFGAP2 (3.2)
0.55	>=0.20	KLF14 (3.0)	DUSP3 (2.2)	TM6SF2 (1.9)
0.55	>=0.20	SUMO1 (3.4)	NOP58 (2.9)	ZNF335 (2.5)
0.55	>=0.20	ATP13A1 (3.7)	CLPTM1 (3.5)	AMBRA1 (3.4)
0.55	>=0.20	SUMO1 (4.3)	MFAP1 (2.6)	EIF3J (2.5)
0.55	>=0.20	MYBPC3 (4.6)	TRIM54 (4.0)	RASIP1 (2.5)
0.55	>=0.20	MTCH2 (3.9)	GPAM (3.7)	IMMT (3.6)
0.55	>=0.20	ZNF408 (3.2)	SUGP1 (3.0)	ZNF335 (2.8)
0.55	>=0.20	ZNF408 (3.2)	SUGP1 (3.0)	ZNF335 (2.8)
0.55	>=0.20	ZNF408 (3.2)	SUGP1 (3.0)	ZNF335 (2.8)
0.55	>=0.20	NDUFS3 (3.7)	SNX17 (3.3)	PPIP5K1 (2.7)
0.55	>=0.20	MAFF (3.0)	ENSG00000226645 (2	NRBP1 (2.4)

0.55	>=0.20	C8orf49 (7.1)	FDFT1 (3.4)	NR0B2 (3.1)
0.55	>=0.20	EMILIN1 (3.7)	FADS2 (3.3)	IFT172 (3.0)
0.55	>=0.20	NDUFS3 (5.1)	MRPL33 (5.0)	IMMT (4.1)
0.55	>=0.20	NDUFS3 (5.1)	MRPL33 (5.0)	IMMT (4.1)
0.55	>=0.20	DR1 (3.5)	PCIF1 (3.3)	ARID1A (3.2)
0.55	>=0.20	TAGLN (4.1)	SDC1 (3.4)	ARHGAP1 (2.5)
0.55	>=0.20	PPY (2.8)	SPG11 (2.6)	ATG13 (2.4)
0.55	>=0.20	PPY (4.0)	PTPN13 (3.2)	BNC2 (3.1)
0.56	>=0.20	PYY (2.7)	KANK2 (2.6)	ENSG00000222035 (2
0.56	>=0.20	C8orf49 (5.0)	MYBPC3 (4.1)	ENSG00000255020 (4
0.56	>=0.20	OST4 (3.0)	FNBP4 (2.8)	NOP58 (2.3)
0.56	>=0.20	NOP58 (4.7)	ZNF259 (3.2)	EIF3J (3.2)
0.56	>=0.20	HAPLN4 (3.1)	PPIP5K1 (2.9)	ENSG00000256731 (2
0.56	>=0.20	NCAN (5.4)	DPYSL5 (4.7)	FAM167A (2.8)
0.56	>=0.20	SDCBP (2.6)	MTCH2 (2.4)	SNX17 (2.4)
0.56	>=0.20	TAGLN (4.6)	RIC8B (2.7)	CHMP3 (2.5)
0.56	>=0.20	LINC00208 (2.9)	ENSG00000200241 (2	NFE2L3 (2.4)
0.56	>=0.20	BLK (5.5)	BCL3 (3.6)	GMIP (3.1)
0.56	>=0.20	C8orf12 (3.3)	CITED2 (2.9)	RFX4 (2.8)
0.56	>=0.20	FUT1 (2.6)	SLC5A6 (2.4)	CGREF1 (2.4)
0.56	>=0.20	ENSG00000256731 (5	ABHD1 (3.2)	KHK (2.8)
0.56	>=0.20	TMEM175 (4.0)	PLA2G6 (3.5)	PCSK7 (3.5)
0.56	>=0.20	MADD (3.0)	EPB41L3 (2.8)	CCDC92 (2.7)
0.56	>=0.20	MADD (2.9)	ZNF335 (2.7)	FUT1 (2.6)
0.56	>=0.20	TAGLN (3.6)	SDC1 (3.0)	DUSP3 (2.9)
0.56	>=0.20	TAGLN (2.4)	SDCBP (2.4)	ENSG00000200241 (2
0.56	>=0.20	HAPLN4 (3.1)	MAP1A (2.8)	MPP2 (2.5)
0.56	>=0.20	MTMR9 (3.5)	SUPT7L (3.1)	INTS10 (3.0)
0.56	>=0.20	MTCH2 (5.0)	NFE2L3 (4.0)	NDUFS3 (3.1)
0.56	>=0.20	ABO (2.9)	ENSG00000182329 (2	C1QTNF4 (2.7)
0.56	>=0.20	ZNF335 (2.9)	MPP2 (2.8)	DUSP3 (2.7)
0.56	>=0.20	LSM12 (2.8)	ARID1A (2.4)	CYP26A1 (2.2)
0.56	>=0.20	TMEM214 (5.3)	PREB (3.8)	GALNT2 (3.5)
0.56	>=0.20	DR1 (3.6)	PCIF1 (3.4)	USP1 (3.3)
0.56	>=0.20	TAGLN (4.2)	KANK2 (2.8)	HDAC5 (2.7)
0.56	>=0.20	TAGLN (5.0)	SDC1 (3.6)	SFN (2.8)
0.56	>=0.20	KDM3A (3.3)	GATAD2A (2.8)	BAZ1B (2.5)
0.56	>=0.20	SUPT7L (3.0)	SPG11 (2.4)	RIC8B (2.2)
0.56	>=0.20	ABHD1 (3.0)	MPV17 (2.6)	BRE (2.1)
0.56	>=0.20	DPYSL5 (2.6)	RFX4 (2.0)	BNC2 (2.0)
0.56	>=0.20	NDUFS3 (5.4)	MRPL35 (4.8)	IMMT (4.5)
0.56	>=0.20	TSSK6 (3.8)	C17orf105 (3.6)	C2orf53 (3.5)
0.56	>=0.20	DOCK7 (3.8)	AFF1 (3.7)	NSMAF (2.6)
0.56	>=0.20	GALNT2 (3.0)	SIDT2 (3.0)	CGREF1 (2.8)
0.56	>=0.20	CYP26A1 (4.1)	LRP4 (2.7)	PLTP (2.5)
0.56	>=0.20	TMEM175 (2.4)	PMFBP1 (2.3)	FUT2 (2.2)
0.56	>=0.20	GALNT2 (3.6)	PTPRJ (2.9)	ENSG00000223745 (2
0.56	>=0.20	SFN (3.0)	FUT1 (2.6)	C1orf172 (2.4)
0.56	>=0.20	SFN (3.0)	FUT1 (2.6)	C1orf172 (2.4)
0.56	>=0.20	SFN (3.0)	FUT1 (2.6)	C1orf172 (2.4)

0.56	>=0.20	MTCH2 (4.6)	NDUFS3 (3.6)	EIF2B4 (3.4)
0.56	>=0.20	NUP160 (3.8)	SUGP1 (3.2)	ZNF259 (2.9)
0.56	>=0.20	PPY (6.6)	EPB41L3 (2.9)	ABCA1 (2.7)
0.56	>=0.20	FDFT1 (2.9)	UCN (2.0)	TDH (2.0)
0.56	>=0.20	ENSG00000256731 (2	ENSG00000222035 (2	EPB41L3 (2.3)
0.56	>=0.20	MPP2 (3.2)	MAP1A (3.2)	TRNP1 (2.8)
0.56	>=0.20	AFF1 (3.6)	PCSK7 (3.5)	PAFAH1B2 (3.2)
0.56	>=0.20	NEIL2 (4.1)	PDIA3 (2.7)	PTCD3 (2.6)
0.56	>=0.20	CYP26A1 (3.6)	LRP4 (3.4)	ENSG00000182319 (3
0.56	>=0.20	ZDHHC18 (3.3)	BCL3 (2.6)	PTPRJ (2.5)
0.56	>=0.20	ARID1A (3.3)	PLA2G6 (2.6)	RSPO3 (2.1)
0.56	>=0.20	PCIF1 (2.7)	ENSG00000234945 (2	KDM3A (2.3)
0.56	>=0.20	FDFT1 (15.0)	FADS2 (11.5)	FADS1 (11.0)
0.56	>=0.20	IZUMO1 (2.9)	ENSG00000235545 (2	PGS1 (2.2)
0.56	>=0.20	ATP13A1 (4.4)	CAD (4.3)	PTCD3 (3.8)
0.56	>=0.20	DOCK7 (3.0)	HDAC5 (2.5)	CD300LG (2.4)
0.56	>=0.20	PBX4 (4.1)	MPP2 (2.9)	GALNT2 (2.3)
0.56	>=0.20	C11orf9 (4.2)	ARHGAP1 (3.2)	ENSG00000182319 (2
0.56	>=0.20	FUT2 (2.6)	ENSG00000235545 (2	NFE2L3 (1.9)
0.56	>=0.20	FUT2 (2.6)	ENSG00000235545 (2	NFE2L3 (1.9)
0.56	>=0.20	ZNF664 (2.9)	DUSP3 (2.8)	MAMSTR (2.5)
0.56	>=0.20	HAPLN4 (3.8)	TRNP1 (3.7)	BNC2 (3.2)
0.56	>=0.20	FZD9 (4.1)	KLF14 (2.8)	BMPR2 (2.7)
0.56	>=0.20	PTPN13 (3.5)	SDC1 (2.9)	EMILIN1 (2.9)
0.56	>=0.20	ENSG00000253379 (2	FZD9 (2.7)	PYY (2.4)
0.56	>=0.20	CSGALNACT1 (4.6)	RIC8B (2.7)	C8orf12 (2.0)
0.56	>=0.20	ENSG00000253379 (6	SIK3 (2.4)	KLF14 (2.4)
0.56	>=0.20	SFN (3.6)	BCL3 (2.8)	PTPRJ (2.8)
0.56	>=0.20	RFX4 (2.5)	BMPR2 (2.4)	ENSG00000235545 (2
0.56	>=0.20	ZNF512 (2.9)	MAU2 (2.7)	CCDC18 (2.7)
0.56	>=0.20	MTCH2 (4.5)	IMMT (3.8)	EIF2B4 (3.4)
0.56	>=0.20	MRPL33 (3.8)	NDUFS3 (3.7)	DHX38 (3.0)
0.56	>=0.20	MAMSTR (4.0)	NCAN (3.4)	FADS1 (3.2)
0.56	>=0.20	NDUFS3 (6.2)	OST4 (4.3)	MRPL33 (3.7)
0.56	>=0.20	NDUFS3 (6.2)	OST4 (4.3)	MRPL33 (3.7)
0.56	>=0.20	ZNF259 (4.5)	NOP58 (4.1)	DHODH (2.7)
0.57	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (3	TDH (2.7)
0.57	>=0.20	C11orf9 (3.7)	ZNF512 (2.8)	SNX17 (2.1)
0.57	>=0.20	ENSG00000256731 (3	ENSG00000222035 (2	ENSG00000253379 (2
0.57	>=0.20	FEN1 (3.4)	CCDC18 (3.4)	AGBL5 (3.3)
0.57	>=0.20	KHK (4.5)	TM6SF2 (4.0)	APOA4 (3.7)
0.57	>=0.20	DHX38 (4.2)	FNBP4 (3.7)	BUD13 (3.5)
0.57	>=0.20	IGF2R (2.7)	C2orf28 (2.7)	G6PC3 (2.6)
0.57	>=0.20	ABO (3.2)	ENSG00000223745 (2	MADD (2.4)
0.57	>=0.20	KLF14 (3.0)	DUSP3 (2.4)	BCL7B (1.9)
0.57	>=0.20	ATG13 (3.7)	DUSP3 (3.5)	NRBP1 (3.0)
0.57	>=0.20	UBXN2B (3.0)	NRBF2 (2.7)	IZUMO1 (2.4)
0.57	>=0.20	DHODH (3.3)	ZNF408 (3.2)	POLR1A (3.1)
0.57	>=0.20	TMEM175 (4.5)	C2orf28 (3.7)	G6PC3 (3.6)
0.57	>=0.20	NUP160 (3.9)	INTS10 (3.2)	CAD (3.2)

0.57	>=0.20	C8orf49 (5.1)	DOCK6 (3.2)	RASIP1 (2.6)
0.57	>=0.20	OST4 (6.0)	PDIA3 (4.3)	PREB (3.8)
0.57	>=0.20	PTPRJ (3.5)	TRIM54 (2.8)	CMIP (2.8)
0.57	>=0.20	PVRL2 (3.1)	PTPN13 (2.5)	CYP26A1 (2.2)
0.57	>=0.20	MTMR9 (3.3)	ZNF259 (3.1)	MPV17 (2.9)
0.57	>=0.20	OST4 (5.1)	MRPL33 (2.2)	ENSG00000223522 (2
0.57	>=0.20	C8orf49 (6.6)	GATA4 (2.9)	LPAR2 (2.6)
0.57	>=0.20	FNBP4 (4.9)	SUPT7L (3.0)	INTS10 (2.6)
0.57	>=0.20	C2orf16 (4.5)	SUMO1 (2.7)	SUGP1 (2.6)
0.57	>=0.20	ARFGAP2 (3.6)	SNX17 (3.5)	BCL7B (2.7)
0.57	>=0.20	GPN2 (3.2)	ZDHHC18 (2.7)	NRBF2 (2.6)
0.57	>=0.20	OST4 (3.0)	NOP58 (2.3)	SUMO1 (2.2)
0.57	>=0.20	OST4 (4.7)	MRPL33 (2.4)	ENSG00000223522 (2
0.57	>=0.20	MPV17 (3.0)	GATAD2A (2.8)	SNX17 (2.8)
0.57	>=0.20	TECTB (4.6)	ENSG00000253379 (3	FUT2 (3.0)
0.57	>=0.20	RSPO3 (3.4)	MAPK10 (3.1)	ABO (2.3)
0.57	>=0.20	CTSB (4.2)	C2orf28 (2.7)	GALNT2 (2.5)
0.57	>=0.20	RIC8B (2.7)	ZNF335 (2.2)	ZNF513 (2.1)
0.57	>=0.20	HARBI1 (2.9)	DDB2 (2.7)	AGBL5 (2.6)
0.57	>=0.20	LSM12 (2.7)	USP1 (2.7)	ZNF664 (2.5)
0.57	>=0.20	ENSG00000253379 (4	RFX4 (4.1)	FZD9 (2.5)
0.57	>=0.20	WDR76 (5.2)	DDB2 (4.9)	FEN1 (4.6)
0.57	>=0.20	DPYSL5 (3.9)	LRP4 (3.6)	NCAN (3.5)
0.57	>=0.20	MTF2 (3.7)	JMJD1C (3.4)	PCIF1 (2.7)
0.57	>=0.20	DPYSL5 (3.4)	UBXN2B (2.1)	ENSG00000226645 (2
0.57	>=0.20	NUP160 (4.1)	INTS10 (3.2)	MFAP1 (3.1)
0.57	>=0.20	SUGP1 (3.2)	ENSG00000257711 (2	NUP160 (2.7)
0.57	>=0.20	ANGPTL3 (4.1)	KHK (4.1)	TECTB (2.7)
0.57	>=0.20	SFN (3.3)	C1orf172 (2.8)	FUT1 (2.7)
0.57	>=0.20	SFN (3.3)	C1orf172 (2.8)	FUT1 (2.7)
0.57	>=0.20	CKAP5 (4.6)	FEN1 (3.4)	TMEM175 (2.7)
0.57	>=0.20	TRIB1 (4.4)	MAFF (3.9)	ENSG00000182319 (2
0.57	>=0.20	TECTB (5.2)	APOA4 (3.1)	PLTP (2.7)
0.57	>=0.20	C8orf49 (3.7)	BNC2 (3.4)	LPAR2 (3.2)
0.57	>=0.20	FNDC4 (3.2)	ENSG00000236267 (2	UCN (2.2)
0.57	>=0.20	TRIB1 (2.8)	MRPL33 (2.4)	BCAM (2.0)
0.57	>=0.20	BCL3 (4.0)	NFE2L3 (4.0)	BLK (3.6)
0.57	>=0.20	BCAM (3.0)	PTPN13 (2.8)	CBLC (2.8)
0.57	>=0.20	MPP3 (4.5)	MPP2 (3.0)	MAP1A (2.8)
0.57	>=0.20	LSM12 (3.5)	KRTCAP3 (2.6)	ZNF664 (2.6)
0.57	>=0.20	DNAJC5G (5.0)	DNAH10 (3.0)	C1orf172 (2.7)
0.57	>=0.20	TMEM214 (4.5)	PREB (3.5)	ZNF259 (3.4)
0.57	>=0.20	DPYSL5 (3.5)	NCAN (2.8)	GALNT2 (2.4)
0.57	>=0.20	ABO (3.1)	CYP26A1 (2.4)	JMJD1C (2.4)
0.57	>=0.20	KANK2 (2.5)	DOCK6 (2.4)	TAGLN (2.4)
0.57	>=0.20	OST4 (3.9)	SUMO1 (3.3)	PCIF1 (2.3)
0.57	>=0.20	ARHGAP1 (3.4)	PGS1 (3.0)	NRBF2 (2.2)
0.57	>=0.20	IMMT (3.1)	MTCH2 (2.9)	PPIP5K1 (2.9)
0.57	>=0.20	CATSPER2 (2.4)	STRC (2.3)	KRTCAP3 (2.0)
0.57	>=0.20	ABO (2.5)	PPY (2.1)	LPAL2 (2.1)

0.57	>=0.20	FEN1 (4.8)	USP1 (4.5)	WDR76 (4.5)
0.57	>=0.20	TRIM54 (5.6)	PACSIN3 (4.3)	MAMSTR (4.1)
0.57	>=0.20	APOA4 (4.5)	FUT2 (3.7)	TM6SF2 (2.9)
0.57	>=0.20	CAD (3.3)	GTF3C2 (3.3)	MPV17 (2.7)
0.57	>=0.20	NSMAF (3.5)	PGS1 (2.5)	BCL3 (2.3)
0.57	>=0.20	GPN2 (4.4)	EIF3J (3.7)	MTMR9 (3.5)
0.57	>=0.20	DDB2 (2.2)	MRPL33 (1.9)	ENSG00000223522 (1
0.57	>=0.20	GMIP (3.9)	TAGLN (3.3)	ARHGAP1 (3.1)
0.57	>=0.20	TRIM54 (6.6)	MYBPC3 (3.6)	PACSIN3 (3.1)
0.57	>=0.20	BLK (2.8)	VEGFA (2.3)	FAM167A (2.2)
0.57	>=0.20	COBLL1 (3.3)	BMPR2 (2.9)	DOCK7 (2.6)
0.58	>=0.20	AFF1 (2.4)	AGBL5 (2.4)	KDM3A (2.3)
0.58	>=0.20	INTS10 (3.2)	LSM12 (3.1)	PTCD3 (2.9)
0.58	>=0.20	DNAJC5G (2.9)	ENSG00000236827 (2	ENSG00000226645 (2
0.58	>=0.20	WDR76 (4.3)	FEN1 (4.0)	USP1 (3.8)
0.58	>=0.20	MTF2 (3.7)	USP1 (3.0)	ARID1A (2.2)
0.58	>=0.20	FNBP4 (3.7)	ZNF512 (3.6)	BUD13 (3.2)
0.58	>=0.20	BCAM (2.9)	SIDT2 (2.8)	PTPN13 (2.3)
0.58	>=0.20	GALNT2 (3.4)	NRBP1 (2.5)	NFE2L3 (2.4)
0.58	>=0.20	MPP2 (3.6)	FNDC4 (2.5)	CMIP (2.5)
0.58	>=0.20	TOMM40 (3.4)	IMMT (3.3)	EIF2B4 (3.1)
0.58	>=0.20	MAPRE3 (2.4)	CELF1 (2.3)	GATAD2A (2.2)
0.58	>=0.20	LPAR2 (3.1)	ENSG00000182319 (3	PBX4 (2.8)
0.58	>=0.20	ZNF259 (3.8)	POLR1A (3.6)	GPN1 (3.4)
0.58	>=0.20	MTMR9 (3.1)	CHMP3 (2.9)	ATG4C (2.8)
0.58	>=0.20	KBTBD4 (3.9)	SFN (3.1)	CCDC92 (2.8)
0.58	>=0.20	NSMAF (2.4)	PTPRJ (2.3)	PIGV (2.0)
0.58	>=0.20	SLC5A6 (2.9)	RSPO3 (2.7)	CCDC121 (2.6)
0.58	>=0.20	MAFF (5.6)	TRIB1 (4.1)	MPP3 (3.5)
0.58	>=0.20	FUT1 (3.6)	ENSG00000179523 (2	KRTCAP3 (2.6)
0.58	>=0.20	PPY (5.6)	PYY (4.7)	MLXIPL (2.8)
0.58	>=0.20	ARID1A (3.9)	HDAC5 (3.4)	BAZ1B (3.1)
0.58	>=0.20	ABO (3.1)	PTPN13 (2.5)	DPYSL5 (2.4)
0.58	>=0.20	WDR76 (3.7)	FEN1 (3.5)	USP1 (3.3)
0.58	>=0.20	PTCD3 (3.2)	LSM12 (2.8)	POLR1A (2.4)
0.58	>=0.20	MYBPC3 (10.2)	TRIM54 (5.6)	FRMD5 (4.2)
0.58	>=0.20	NFE2L3 (3.3)	CD300LG (3.2)	C2orf53 (2.6)
0.58	>=0.20	OST4 (3.8)	ZNF259 (2.9)	NOP58 (2.8)
0.58	>=0.20	PDIA3 (3.6)	PTPRJ (2.5)	IMMT (2.5)
0.58	>=0.20	BCL7B (3.6)	DDB2 (3.0)	G6PC3 (2.8)
0.58	>=0.20	DDB2 (4.1)	ZDHHC18 (3.6)	FUT2 (2.6)
0.58	>=0.20	TAGLN (5.5)	CHMP3 (3.0)	ENSG00000257711 (2
0.58	>=0.20	TAGLN (4.1)	ARHGAP1 (3.2)	PTPRJ (2.6)
0.58	>=0.20	PTPMT1 (3.2)	DHODH (2.8)	MRPL35 (2.6)
0.58	>=0.20	TMEM101 (2.5)	PAFAH1B2 (2.4)	FUT1 (2.2)
0.58	>=0.20	BCL7B (2.9)	KLF14 (2.3)	DUSP3 (2.2)
0.58	>=0.20	NOP58 (2.2)	NSMAF (2.2)	ATP13A1 (2.0)
0.58	>=0.20	ARID1A (4.6)	PCIF1 (3.7)	BUD13 (3.6)
0.58	>=0.20	SLC22A3 (3.5)	JMJD1C (3.0)	MTF2 (2.9)
0.58	>=0.20	BCL3 (3.3)	BLK (3.3)	GMIP (3.3)

0.58	>=0.20	KLF14 (2.7)	DUSP3 (2.6)	EPB41L3 (2.2)
0.58	>=0.20	PDIA3 (2.9)	ATP13A1 (2.9)	PTCD3 (2.6)
0.58	>=0.20	GATAD2A (4.0)	GMIP (3.0)	CMIP (2.8)
0.58	>=0.20	EIF2B4 (3.7)	SUGP1 (3.3)	MTCH2 (3.3)
0.58	>=0.20	EIF2B4 (3.7)	SUGP1 (3.3)	MTCH2 (3.3)
0.58	>=0.20	FEN1 (3.2)	USP1 (3.1)	WDR76 (2.8)
0.58	>=0.20	NAT2 (2.5)	DNAH10 (2.3)	UCN (2.2)
0.58	>=0.20	TRIM54 (7.9)	MYBPC3 (7.5)	PACSIN3 (4.8)
0.58	>=0.20	TECTB (4.5)	SOST (4.1)	FZD9 (3.3)
0.58	>=0.20	ENSG00000222035 (2	FUT1 (2.1)	DUSP3 (2.0)
0.58	>=0.20	OST4 (4.4)	SUMO1 (2.3)	NSMAF (2.3)
0.58	>=0.20	TOMM40 (4.5)	NRBP1 (4.1)	EIF2B4 (3.7)
0.58	>=0.20	NOP58 (3.7)	FNBP4 (3.5)	IMMT (2.6)
0.58	>=0.20	MAMSTR (4.7)	KANK2 (3.2)	EMILIN1 (2.8)
0.59	>=0.20	SPG11 (4.5)	C11orf49 (2.9)	BRE (2.7)
0.59	>=0.20	NOP58 (3.3)	CAD (2.3)	USP1 (2.3)
0.59	>=0.20	ENSG00000256731 (3	BMPR2 (3.0)	ENSG00000253379 (2
0.59	>=0.20	TAGLN (7.0)	PVRL2 (2.9)	BCAM (2.9)
0.59	>=0.20	FDFT1 (6.5)	FADS1 (5.6)	FADS2 (5.4)
0.59	>=0.20	GATAD2A (2.9)	TUBGCP4 (2.4)	TRIB1 (2.4)
0.59	>=0.20	C11orf9 (3.2)	LRP4 (2.8)	FRMD5 (2.8)
0.59	>=0.20	C11orf9 (3.2)	LRP4 (2.8)	FRMD5 (2.8)
0.59	>=0.20	ANGPTL4 (3.1)	MYBPC3 (2.9)	SUPT7L (2.8)
0.59	>=0.20	ENSG00000253379 (3	ENSG00000179523 (2	PTPN13 (2.2)
0.59	>=0.20	GALNT2 (2.5)	NSMAF (2.4)	PAFAH1B2 (2.4)
0.59	>=0.20	CHMP3 (2.4)	TMED5 (2.4)	DR1 (2.3)
0.59	>=0.20	ZNF335 (2.6)	ATG4C (2.6)	ENSG00000182319 (2
0.59	>=0.20	ZNF513 (2.3)	BCL3 (2.1)	NFE2L3 (1.9)
0.59	>=0.20	C11orf49 (3.0)	ANGPTL4 (2.4)	AGBL5 (2.2)
0.59	>=0.20	PDIA3 (3.3)	KDM3A (3.0)	HARBI1 (2.5)
0.59	>=0.20	BAZ1B (3.8)	BCL7B (3.2)	ARID1A (3.2)
0.59	>=0.20	GPN2 (3.6)	FNBP4 (3.6)	SUGP1 (3.5)
0.59	>=0.20	ENSG00000235545 (3	SDCBP (2.9)	C8orf12 (2.5)
0.59	>=0.20	DDB2 (4.1)	ZDHHC18 (3.5)	PBX4 (3.0)
0.59	>=0.20	CAD (3.0)	IMMT (2.9)	POLR1A (2.9)
0.59	>=0.20	ENSG00000235545 (2	ATP13A1 (2.5)	FAM167A (2.3)
0.59	>=0.20	MYBPC3 (5.6)	GATA4 (3.6)	BCAM (3.0)
0.59	>=0.20	ABO (3.0)	ENSG00000182319 (3	SOST (2.8)
0.59	>=0.20	PGS1 (2.9)	NSMAF (2.6)	DUSP3 (2.5)
0.59	>=0.20	C8orf49 (6.7)	TDH (4.6)	ENSG00000236827 (3
0.59	>=0.20	HDAC5 (3.2)	ARID1A (3.0)	LSM12 (2.7)
0.59	>=0.20	WDR76 (4.3)	FEN1 (3.8)	DDB2 (3.3)
0.59	>=0.20	MPP2 (3.6)	C11orf9 (2.9)	MPP3 (2.6)
0.59	>=0.20	OST4 (3.1)	FNBP4 (2.8)	GATAD2A (2.1)
0.59	>=0.20	KHK (6.7)	TM6SF2 (4.7)	APOA4 (3.3)
0.59	>=0.20	MAPRE3 (3.5)	CMIP (3.1)	C2orf16 (3.0)
0.59	>=0.20	SUGP1 (3.4)	MAU2 (3.0)	EIF2B4 (2.1)
0.59	>=0.20	ZDHHC18 (3.8)	NFE2L3 (3.1)	PTPRJ (2.7)
0.59	>=0.20	NEIL2 (2.7)	NRBF2 (2.3)	INTS10 (2.2)
0.59	>=0.20	POLR1A (4.6)	CAD (3.8)	GPN2 (3.3)

0.59	>=0.20	HDAC5 (3.5)	MAPRE3 (2.7)	AMBRA1 (2.3)
0.59	>=0.20	PPM1G (2.5)	SUMO1 (2.3)	IMMT (2.2)
0.59	>=0.20	CCDC92 (3.1)	GMIP (3.0)	PTPRJ (3.0)
0.59	>=0.20	ARID1A (5.4)	BAZ1B (3.5)	KDM3A (3.1)
0.59	>=0.20	TOMM40 (2.4)	IMMT (2.4)	NFE2L3 (2.2)
0.59	>=0.20	GMIP (4.7)	CMIP (3.1)	PCSK7 (3.1)
0.59	>=0.20	MADD (2.9)	CMIP (2.8)	MTMR9 (2.5)
0.59	>=0.20	BLK (2.9)	C2orf16 (2.9)	ZDHHC18 (2.5)
0.59	>=0.20	DPYSL5 (3.0)	BMPR2 (2.8)	RSPO3 (2.6)
0.59	>=0.20	HAPLN4 (2.7)	ENSG00000226645 (2	NAGS (2.4)
0.59	>=0.20	ARID1A (3.0)	AFF1 (2.9)	PTPN13 (2.1)
0.59	>=0.20	AMBRA1 (3.9)	MTF2 (3.8)	ARID1A (3.8)
0.59	>=0.20	ENSG00000256746 (3	ENSG00000222035 (2	FUT1 (2.4)
0.59	>=0.20	TECTB (3.6)	ENSG00000257711 (3	ENSG00000256746 (2
0.59	>=0.20	GPN2 (4.1)	ZNF513 (4.0)	NRBF2 (3.8)
0.59	>=0.20	ENSG00000253379 (5	EMILIN1 (3.5)	LRP4 (3.0)
0.59	>=0.20	PAFAH1B2 (4.0)	PCSK7 (4.0)	AFF1 (3.2)
0.59	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	SLC5A6 (2.8)
0.59	>=0.20	C2orf16 (3.4)	TIMD4 (3.2)	PBX4 (3.0)
0.59	>=0.20	PCSK7 (2.9)	AFF1 (2.5)	DOCK6 (2.5)
0.59	>=0.20	MAPRE3 (3.5)	VEGFA (2.5)	PVRL2 (2.4)
0.59	>=0.20	DDB2 (2.2)	KRTCAP3 (1.8)	MRPL33 (1.8)
0.59	>=0.20	CCDC121 (2.9)	IZUMO1 (2.2)	MFAP1 (2.1)
0.59	>=0.20	FEN1 (4.3)	WDR76 (4.0)	DDB2 (3.8)
0.59	>=0.20	PAFAH1B2 (4.4)	GATAD2A (3.1)	MPP3 (2.5)
0.59	>=0.20	PGS1 (2.7)	ZNF335 (2.6)	ENSG00000223745 (2
0.59	>=0.20	TAGLN (3.8)	SDC1 (3.7)	ENSG00000182319 (2
0.59	>=0.20	BLK (4.3)	GMIP (4.0)	NSMAF (2.3)
0.59	>=0.20	ENSG00000235545 (3	AFF1 (2.5)	COBLL1 (2.3)
0.59	>=0.20	CILP2 (5.2)	EMILIN1 (4.1)	ENSG00000253379 (2
0.59	>=0.20	CILP2 (5.2)	EMILIN1 (4.1)	ENSG00000253379 (2
0.59	>=0.20	PTPRJ (3.8)	BCL3 (3.3)	GMIP (3.2)
0.59	>=0.20	GPN2 (4.0)	MTMR9 (3.3)	INTS10 (3.2)
0.59	>=0.20	TAGLN (3.6)	ENSG00000200241 (2	IMMT (2.2)
0.59	>=0.20	COBLL1 (3.8)	CHMP3 (3.5)	PBX4 (2.3)
0.59	>=0.20	CMIP (3.8)	PAFAH1B2 (2.8)	CASC4 (2.8)
0.59	>=0.20	TMEM175 (5.0)	TMEM101 (4.3)	G6PC3 (4.3)
0.59	>=0.20	FNBP4 (3.8)	ZNF512 (3.8)	BUD13 (3.2)
0.59	>=0.20	FNBP4 (3.8)	ZNF512 (3.8)	BUD13 (3.2)
0.59	>=0.20	GCKR (1.8)	SUMO1 (1.8)	PTPMT1 (1.7)
0.59	>=0.20	NCAN (2.8)	MPP2 (2.7)	SLC30A3 (2.7)
0.6	>=0.20	ANGPTL4 (2.8)	DOCK6 (2.7)	MAPK10 (2.4)
0.6	>=0.20	RFX4 (3.5)	COBLL1 (3.2)	APOE (2.4)
0.6	>=0.20	APOC1 (2.5)	ENSG00000235545 (2	PLTP (2.2)
0.6	>=0.20	ENSG00000200241 (3	PPIP5K1 (3.1)	FGF21 (2.9)
0.6	>=0.20	BUD13 (3.9)	SUGP1 (3.7)	KBTBD4 (3.4)
0.6	>=0.20	HAPLN4 (3.5)	TRNP1 (3.0)	ENSG00000222035 (2
0.6	>=0.20	CYP26A1 (3.1)	LRP4 (3.0)	PTPN13 (2.5)
0.6	>=0.20	LPAL2 (2.3)	ENSG00000223522 (2	ENSG00000222035 (2
0.6	>=0.20	NDUFS3 (4.6)	IMMT (3.8)	MRPL35 (3.5)

0.6	>=0.20	MAP1A (3.8)	MADD (3.2)	C1QTNF4 (2.9)
0.6	>=0.20	RIC8B (3.0)	MTMR9 (2.7)	ZNF513 (2.6)
0.6	>=0.20	ARID1A (3.2)	CTDSPL2 (2.8)	DR1 (2.8)
0.6	>=0.20	BUD13 (2.5)	POLR1A (2.4)	NUP160 (2.2)
0.6	>=0.20	BUD13 (2.5)	POLR1A (2.4)	NUP160 (2.2)
0.6	>=0.20	BUD13 (2.5)	POLR1A (2.4)	NUP160 (2.2)
0.6	>=0.20	BUD13 (2.5)	POLR1A (2.4)	NUP160 (2.2)
0.6	>=0.20	BUD13 (2.5)	POLR1A (2.4)	NUP160 (2.2)
0.6	>=0.20	PCIF1 (3.7)	SUGP1 (3.4)	DHX38 (3.1)
0.6	>=0.20	CITED2 (2.9)	PGS1 (2.4)	CD300LG (2.2)
0.6	>=0.20	NOP58 (2.7)	PPM1G (2.7)	EIF3J (2.4)
0.6	>=0.20	GMIP (3.2)	LRP4 (3.0)	GATAD2A (2.9)
0.6	>=0.20	PPY (2.9)	ENSG00000226645 (2	ZNF513 (2.8)
0.6	>=0.20	PDIA3 (3.3)	NRBF2 (2.6)	TMED5 (2.4)
0.6	>=0.20	NDUFS3 (4.4)	MRPL33 (2.7)	MRPL35 (2.6)
0.6	>=0.20	ARHGAP1 (4.1)	ATP13A1 (2.7)	MADD (2.7)
0.6	>=0.20	FUT1 (3.5)	CGREF1 (2.5)	VEGFA (2.3)
0.6	>=0.20	ZNF513 (2.3)	BNC2 (2.3)	PTPN13 (2.1)
0.6	>=0.20	DR1 (3.2)	ARID1A (3.2)	CTDSPL2 (2.8)
0.6	>=0.20	CD300LG (3.1)	GPAM (3.0)	ENSG00000222035 (2
0.6	>=0.20	TSSK6 (4.4)	MYBPC3 (4.3)	C17orf105 (3.7)
0.6	>=0.20	PLA2G6 (3.1)	RIC8B (3.0)	ZNF335 (2.8)
0.6	>=0.20	KLF14 (2.2)	DR1 (2.2)	RBKS (2.1)
0.6	>=0.20	GMIP (2.2)	BCL3 (2.2)	BLK (2.1)
0.6	>=0.20	NUP160 (2.5)	FNBP4 (2.5)	TP53BP1 (2.4)
0.6	>=0.20	NUP160 (2.5)	FNBP4 (2.5)	TP53BP1 (2.4)
0.6	>=0.20	MAFF (3.0)	NRBP1 (2.9)	SDCBP (2.1)
0.6	>=0.20	MYBPC3 (3.7)	TRIM54 (3.6)	MAFF (3.2)
0.6	>=0.20	ENSG00000257711 (3	ATP13A1 (2.4)	AMBRA1 (2.4)
0.6	>=0.20	RFX4 (3.8)	IFT172 (3.7)	C11orf49 (3.4)
0.6	>=0.20	CLPTM1 (4.0)	MPP2 (2.8)	CCDC92 (2.7)
0.6	>=0.20	FNBP4 (3.6)	ZNF513 (3.2)	PGS1 (2.3)
0.6	>=0.20	SOST (3.0)	MYBPC3 (2.8)	DNAH10 (2.8)
0.6	>=0.20	CITED2 (3.6)	STRC (3.3)	COBLL1 (2.7)
0.6	>=0.20	ATP13A1 (4.7)	PDIA3 (4.6)	PREB (3.3)
0.6	>=0.20	C8orf49 (1.9)	ZNF664 (1.9)	PLA2G6 (1.9)
0.6	>=0.20	CCDC121 (3.6)	TRIB1 (3.1)	ZNF513 (2.9)
0.6	>=0.20	NEIL2 (3.6)	PBX4 (3.3)	PIGV (3.2)
0.6	>=0.20	AFF1 (3.1)	LPAR2 (2.8)	GATAD2A (2.7)
0.6	>=0.20	PTCD3 (2.6)	SUPT7L (2.6)	CHMP3 (2.5)
0.6	>=0.20	ZNF513 (3.6)	ENSG00000257711 (2	TRIB1 (2.3)
0.6	>=0.20	PREB (3.3)	BRE (2.8)	ATG13 (2.7)
0.6	>=0.20	MADD (3.2)	TRNP1 (2.4)	CASC4 (2.2)
0.6	>=0.20	ENSG00000257711 (3	EMILIN1 (2.8)	ENSG00000222035 (2
0.6	>=0.20	C2orf16 (2.6)	ENSG00000254235 (2	LPAL2 (2.3)
0.6	>=0.20	ACP2 (2.9)	ENSG00000236267 (1	CLPTM1 (1.9)
0.6	>=0.20	SFN (5.0)	FUT1 (3.4)	CBLC (2.4)
0.6	>=0.20	DDB2 (3.0)	CITED2 (2.9)	KDM3A (2.7)
0.6	>=0.20	SUGP1 (2.4)	NSMAF (2.3)	ZNF512 (2.0)
0.6	>=0.20	SUGP1 (2.4)	NSMAF (2.3)	ZNF512 (2.0)

0.6	>=0.20	ENSG00000200241 (2	PTPRJ (2.3)	ENSG00000234945 (2
0.6	>=0.20	ARHGAP1 (2.2)	PTPRJ (2.0)	SIK3 (1.9)
0.6	>=0.20	TM6SF2 (4.7)	PPY (4.7)	NR0B2 (4.2)
0.6	>=0.20	C1orf172 (3.4)	ZNF664 (3.2)	CBLC (2.8)
0.6	>=0.20	BCL7B (3.3)	KDM3A (2.8)	BUD13 (2.7)
0.6	>=0.20	DPYSL5 (3.4)	ENSG00000182329 (3	ENSG00000254235 (2
0.6	>=0.20	C2orf16 (3.6)	TIMD4 (3.1)	PBX4 (3.0)
0.6	>=0.20	STRC (2.9)	PYY (2.8)	ABO (2.6)
0.6	>=0.20	BUD13 (2.9)	DR1 (2.8)	INTS10 (2.8)
0.6	>=0.20	TECTB (5.6)	SLC22A3 (3.1)	PLA2G6 (2.5)
0.6	>=0.20	ARID1A (2.9)	BCL3 (2.7)	AFF1 (2.7)
0.6	>=0.20	ZDHHC18 (2.8)	PCSK7 (2.8)	NEIL2 (2.8)
0.6	>=0.20	MYBPC3 (8.5)	TRIM54 (6.7)	PACSIN3 (4.4)
0.6	>=0.20	OST4 (3.9)	NOP58 (3.2)	NSMAF (2.2)
0.6	>=0.20	TSSK6 (4.3)	C17orf105 (4.1)	C2orf53 (3.1)
0.6	>=0.20	MYBPC3 (5.6)	GATA4 (3.3)	KANK2 (2.5)
0.6	>=0.20	CCDC121 (2.8)	DR1 (2.6)	RIC8B (2.3)
0.6	>=0.20	MRPL35 (4.2)	NDUFS3 (3.9)	PTPMT1 (3.6)
0.6	>=0.20	PCSK7 (4.0)	AFF1 (3.4)	SIDT2 (2.7)
0.6	>=0.20	TAGLN (5.2)	CHMP3 (3.0)	RIC8B (2.4)
0.6	>=0.20	TAGLN (5.2)	CHMP3 (3.0)	RIC8B (2.4)
0.61	>=0.20	BCL3 (4.8)	PTPRJ (3.2)	DDB2 (3.1)
0.61	>=0.20	SFN (9.0)	BCAM (3.7)	CBLC (3.6)
0.61	>=0.20	CYP26A1 (3.1)	DNAH10 (3.0)	C2orf16 (2.3)
0.61	>=0.20	CKAP5 (4.6)	FEN1 (3.3)	USP1 (2.5)
0.61	>=0.20	IFT172 (2.8)	PDIA3 (2.7)	MTMR9 (2.7)
0.61	>=0.20	TAGLN (4.0)	DOCK6 (3.5)	SDC1 (3.1)
0.61	>=0.20	ZNF335 (3.2)	MTMR9 (2.6)	PLA2G6 (2.6)
0.61	>=0.20	TMEM175 (4.7)	G6PC3 (4.3)	PIGV (3.6)
0.61	>=0.20	NCAN (3.3)	MPP2 (3.0)	MAPK10 (2.2)
0.61	>=0.20	ENSG00000222035 (2	ENSG00000256746 (2	FUT1 (2.4)
0.61	>=0.20	ZNF513 (3.3)	ATG4C (2.6)	NRBF2 (2.5)
0.61	>=0.20	C2orf16 (3.8)	TIMD4 (3.1)	PBX4 (3.0)
0.61	>=0.20	CAD (3.1)	FDFT1 (2.7)	ZNF512 (2.7)
0.61	>=0.20	BLK (2.8)	ZDHHC18 (2.6)	PCSK7 (2.5)
0.61	>=0.20	DDB2 (3.9)	BCL3 (3.1)	MFAP1 (2.9)
0.61	>=0.20	CMIP (3.1)	DR1 (2.6)	PCSK7 (2.4)
0.61	>=0.20	NSMAF (3.3)	ZNF513 (3.0)	JMJD1C (2.7)
0.61	>=0.20	BCL7B (2.6)	ARHGAP1 (2.5)	PTPRJ (2.3)
0.61	>=0.20	ENSG00000253379 (4	LRP4 (4.3)	SOST (3.9)
0.61	>=0.20	BLK (3.5)	PDIA3 (3.4)	G6PC3 (2.9)
0.61	>=0.20	EIF2B4 (4.2)	EIF3J (3.5)	MTCH2 (3.0)
0.61	>=0.20	PPM1G (2.8)	IMMT (2.4)	TOMM40 (2.2)
0.61	>=0.20	CAD (3.3)	POLR1A (3.3)	ENSG00000200241 (3
0.61	>=0.20	SOST (4.9)	LRP4 (3.1)	TECTB (2.5)
0.61	>=0.20	CELF1 (4.3)	ARID1A (3.0)	DHODH (2.8)
0.61	>=0.20	ENSG00000256746 (3	DNAH10 (2.9)	ENSG00000253379 (2
0.61	>=0.20	OST4 (4.5)	PREB (3.6)	PDIA3 (3.5)
0.61	>=0.20	PIGV (2.6)	NFE2L3 (2.4)	RBKS (2.3)
0.61	>=0.20	PYY (4.1)	SDCBP (2.9)	ANGPTL4 (2.8)

0.61	>=0.20	C8orf49 (6.5)	TDH (4.4)	ENSG00000255020 (3
0.61	>=0.20	C2orf16 (2.7)	UCN (2.1)	NSMAF (1.7)
0.61	>=0.20	CYP26A1 (3.3)	ENSG00000254235 (2	ENSG00000182319 (2
0.61	>=0.20	TAGLN (5.9)	ARHGAP1 (3.7)	TRNP1 (3.3)
0.61	>=0.20	BCL7B (2.9)	PCIF1 (2.6)	PGS1 (2.0)
0.61	>=0.20	ENSG00000234945 (3	KLF14 (3.4)	ENSG00000257711 (2
0.61	>=0.20	C2orf16 (3.7)	COBLL1 (3.3)	PBX4 (2.8)
0.61	>=0.20	MAFF (3.5)	TRIB1 (3.5)	WDR76 (2.9)
0.61	>=0.20	OST4 (5.1)	UBXN2B (2.2)	NSMAF (2.0)
0.61	>=0.20	SUGP1 (3.2)	GPN2 (2.1)	BRE (2.1)
0.61	>=0.20	PDIA3 (5.5)	CATSPER2 (2.5)	CYP7A1 (2.5)
0.61	>=0.20	PDIA3 (2.9)	MAFF (2.8)	ZDHHC18 (2.6)
0.61	>=0.20	KHK (3.8)	TM6SF2 (3.2)	KRTCAP3 (2.9)
0.61	>=0.20	NOP58 (2.6)	NSMAF (2.2)	DHX38 (2.2)
0.61	>=0.20	GATAD2A (3.0)	TAGLN (2.8)	CHMP3 (2.8)
0.61	>=0.20	SLC30A3 (2.8)	MPP2 (2.6)	TRIM54 (2.6)
0.61	>=0.20	ABO (3.3)	DPYSL5 (2.6)	TSSK6 (2.5)
0.61	>=0.20	ZNF513 (3.5)	ENSG00000257711 (2	MAFF (2.4)
0.61	>=0.20	UCN (2.9)	ENSG00000234945 (2	FNDC4 (2.2)
0.61	>=0.20	TECTB (8.0)	LRP4 (4.1)	FZD9 (4.0)
0.61	>=0.20	NRBP1 (3.7)	SNX17 (3.3)	SDCBP (2.9)
0.61	>=0.20	ARID1A (3.0)	IFT172 (2.7)	REEP3 (2.6)
0.61	>=0.20	BMPR2 (3.2)	PVRL2 (2.6)	ARFGAP2 (2.6)
0.61	>=0.20	TAGLN (5.2)	CHMP3 (3.0)	ENSG00000257711 (2
0.61	>=0.20	EIF2B4 (2.7)	ARFGAP2 (2.7)	PTCD3 (2.2)
0.61	>=0.20	CLPTM1 (3.9)	NCAN (2.6)	ENSG00000257711 (2
0.61	>=0.20	RFX4 (4.6)	FAM167A (3.2)	ENSG00000235545 (3
0.61	>=0.20	REEP3 (3.7)	HAVCR1 (3.5)	CLPTM1 (2.2)
0.61	>=0.20	DOCK7 (3.3)	PVRL2 (2.7)	HDAC5 (2.4)
0.61	>=0.20	CCDC92 (3.3)	MADD (2.8)	TRNP1 (2.8)
0.61	>=0.20	SUPT7L (2.9)	NRBF2 (2.5)	PREB (2.4)
0.61	>=0.20	NOP58 (3.0)	OST4 (2.7)	NFE2L3 (2.2)
0.61	>=0.20	DDB2 (3.1)	WDR76 (3.0)	NUP160 (3.0)
0.61	>=0.20	PTPN13 (3.2)	DPYSL5 (2.6)	ENSG00000234945 (2
0.61	>=0.20	TAGLN (2.9)	SDCBP (2.8)	ARHGAP1 (2.5)
0.61	>=0.20	DPYSL5 (3.3)	MPP3 (2.6)	ENSG00000236827 (2
0.61	>=0.20	PAFAH1B2 (3.2)	AFF1 (3.1)	LSM12 (3.0)
0.61	>=0.20	DNAH10 (3.6)	SOST (3.3)	C11orf9 (2.8)
0.61	>=0.20	TUBGCP4 (2.9)	TBL2 (2.8)	EIF3J (2.4)
0.61	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	SLC5A6 (2.9)
0.61	>=0.20	ZNF259 (3.5)	TOMM40 (3.4)	SLC5A6 (2.9)
0.61	>=0.20	BNC2 (3.5)	CILP2 (3.4)	ENSG00000253379 (3
0.62	>=0.20	RSPO3 (4.0)	SLC30A3 (2.7)	ABO (2.4)
0.62	>=0.20	PDIA3 (6.6)	TMED5 (3.8)	TMEM214 (2.8)
0.62	>=0.20	DPYSL5 (4.2)	RFX4 (4.0)	NCAN (3.5)
0.62	>=0.20	SFN (4.0)	CBLC (3.0)	C1orf172 (2.9)
0.62	>=0.20	RSPO3 (3.1)	ENSG00000234945 (2	ENSG00000253379 (2
0.62	>=0.20	ENSG00000256731 (2	SOST (2.5)	ENSG00000222035 (2
0.62	>=0.20	FRMD5 (2.9)	KRTCAP3 (2.4)	ENSG00000255020 (2
0.62	>=0.20	CSGALNACT1 (3.9)	STRC (2.4)	RIC8B (2.3)

0.62	>=0.20	HARBI1 (2.8)	ENSG00000222035 (2	TDH (2.4)
0.62	>=0.20	ENSG00000257711 (3	CITED2 (2.9)	CATSPER2 (2.5)
0.62	>=0.20	DUSP3 (3.7)	MPP3 (2.9)	PACSIN3 (2.9)
0.62	>=0.20	COBLL1 (3.0)	GATA4 (2.6)	C8orf49 (2.2)
0.62	>=0.20	RSPO3 (4.0)	C2orf16 (3.3)	EPB41L3 (2.2)
0.62	>=0.20	NRBP1 (3.7)	PREB (3.6)	EIF2B4 (3.5)
0.62	>=0.20	G6PC3 (2.4)	IMMT (1.9)	REEP3 (1.9)
0.62	>=0.20	CCDC121 (3.8)	LPAR2 (2.7)	TDH (2.7)
0.62	>=0.20	ATG4C (3.5)	CCDC121 (2.9)	ENSG00000223745 (2
0.62	>=0.20	RFX4 (4.4)	DPYSL5 (4.3)	NCAN (3.5)
0.62	>=0.20	SIK3 (2.8)	MAP1A (2.6)	SLC30A3 (2.5)
0.62	>=0.20	TMEM175 (4.0)	CKAP5 (3.6)	PCIF1 (2.6)
0.62	>=0.20	ZNF335 (3.9)	GMIP (2.4)	ENSG00000179523 (2
0.62	>=0.20	KLF14 (3.7)	C8orf49 (3.1)	KRTCAP3 (2.1)
0.62	>=0.20	CELF1 (2.9)	DOCK7 (2.7)	CTDSPL2 (2.3)
0.62	>=0.20	ENSG00000182319 (2	ENSG00000256746 (2	SDC1 (2.8)
0.62	>=0.20	OST4 (4.0)	NOP58 (3.4)	SUGP1 (2.2)
0.62	>=0.20	TOMM40 (3.2)	NEIL2 (3.1)	CAD (2.5)
0.62	>=0.20	USP1 (5.3)	FEN1 (5.3)	WDR76 (5.1)
0.62	>=0.20	PCSK7 (2.8)	PVRL2 (2.7)	SLC22A3 (2.6)
0.62	>=0.20	ARID1A (3.9)	CELF1 (3.3)	BAZ1B (2.8)
0.62	>=0.20	ATG4C (3.5)	ENSG00000254235 (2	MPV17 (2.6)
0.62	>=0.20	CHMP3 (3.1)	LSM12 (2.7)	UBXN2B (2.6)
0.62	>=0.20	TAGLN (3.5)	SDC1 (3.4)	SFN (2.4)
0.62	>=0.20	ZNF664 (2.9)	CHMP3 (2.6)	DOCK6 (2.5)
0.62	>=0.20	CLPTM1 (2.9)	BMPR2 (2.9)	C8orf49 (2.5)
0.62	>=0.20	OST4 (3.6)	NOP58 (2.8)	FNBP4 (2.6)
0.62	>=0.20	DR1 (3.7)	ENSG00000236827 (2	GTF3C2 (2.8)
0.62	>=0.20	KHK (2.7)	AFF1 (2.4)	SUMO1 (2.2)
0.62	>=0.20	CELF1 (2.9)	TRIM54 (2.7)	MAMSTR (2.5)
0.62	>=0.20	EPB41L3 (3.3)	ATG4C (3.1)	MADD (2.3)
0.62	>=0.20	CAD (3.3)	KHK (3.0)	DHODH (2.6)
0.62	>=0.20	USP1 (3.1)	LSM12 (2.9)	BCL3 (2.8)
0.62	>=0.20	CELF1 (3.3)	ZNF513 (3.1)	SUGP1 (3.0)
0.62	>=0.20	HAVCR1 (3.1)	ENSG00000236827 (2	ENSG00000179523 (2
0.62	>=0.20	WDR76 (3.4)	BCL7B (3.0)	AGBL5 (2.6)
0.62	>=0.20	DHODH (2.6)	NRBF2 (2.3)	POLR1A (2.3)
0.62	>=0.20	C17orf105 (2.7)	COBLL1 (2.6)	GATA4 (2.4)
0.62	>=0.20	PCSK7 (2.9)	PAFAH1B2 (2.4)	ABO (2.4)
0.62	>=0.20	C2orf16 (3.8)	COBLL1 (3.5)	TIMD4 (2.6)
0.62	>=0.20	PPIP5K1 (3.4)	PTPRJ (2.8)	GMIP (2.6)
0.62	>=0.20	C17orf105 (7.2)	C2orf53 (5.9)	TSSK6 (4.7)
0.62	>=0.20	POLR1A (2.8)	NSMAF (2.5)	FNBP4 (2.5)
0.62	>=0.20	PYY (2.9)	TSSK6 (2.4)	ENSG00000234945 (2
0.62	>=0.20	TECTB (4.9)	STRC (3.9)	NR0B2 (3.1)
0.62	>=0.20	BAZ1B (2.8)	NOP58 (2.8)	PPM1G (2.8)
0.62	>=0.20	DPYSL5 (4.1)	RSPO3 (3.7)	RFX4 (3.2)
0.62	>=0.20	SOST (3.4)	FUT2 (2.4)	CILP2 (2.3)
0.62	>=0.20	SUMO1 (3.9)	TOMM40 (2.9)	PPM1G (2.9)
0.62	>=0.20	MYBPC3 (6.9)	TRIM54 (6.0)	PACSIN3 (4.2)

0.62	>=0.20	FNBP4 (5.1)	ZNF335 (3.1)	ZNF408 (2.8)
0.62	>=0.20	TMED5 (2.7)	MADD (2.5)	TSSK6 (2.4)
0.62	>=0.20	TECTB (4.3)	FUT2 (3.2)	APOC1 (2.3)
0.62	>=0.20	COBLL1 (3.7)	PYY (3.0)	HAVCR1 (2.9)
0.63	>=0.20	AGBL5 (2.6)	NEIL2 (2.4)	PTPRJ (2.0)
0.63	>=0.20	SFN (5.6)	C1orf172 (4.5)	CBLC (4.3)
0.63	>=0.20	CYP26A1 (3.4)	ABO (3.1)	RSPO3 (2.5)
0.63	>=0.20	USP1 (3.8)	MTF2 (3.4)	FEN1 (3.2)
0.63	>=0.20	CTDSPL2 (3.6)	NUP160 (3.3)	USP1 (3.3)
0.63	>=0.20	LRP4 (2.8)	MAMSTR (2.4)	SOST (2.3)
0.63	>=0.20	PTPN13 (4.2)	EMILIN1 (3.9)	BCAM (3.2)
0.63	>=0.20	DR1 (2.5)	SUGP1 (2.5)	MFAP1 (2.3)
0.63	>=0.20	FADS2 (2.7)	IMMT (2.7)	FDFT1 (2.7)
0.63	>=0.20	TMEM214 (3.8)	ANGPTL4 (3.0)	DR1 (2.9)
0.63	>=0.20	MAPK10 (3.0)	NCAN (2.4)	PYY (2.3)
0.63	>=0.20	FUT2 (2.9)	PYY (2.8)	C1orf172 (2.7)
0.63	>=0.20	MTMR9 (2.6)	CHMP3 (2.5)	UBXN2B (2.5)
0.63	>=0.20	FDFT1 (6.1)	FADS1 (5.6)	FADS2 (4.4)
0.63	>=0.20	HARBI1 (2.4)	ZNF408 (2.4)	MFAP1 (2.4)
0.63	>=0.20	MTCH2 (3.9)	EIF2B4 (3.5)	NFE2L3 (3.3)
0.63	>=0.20	IMMT (3.5)	ATP13A1 (3.2)	MTCH2 (3.0)
0.63	>=0.20	BLK (3.9)	ACP2 (3.1)	NR1H3 (2.8)
0.63	>=0.20	BLK (3.9)	ACP2 (3.1)	NR1H3 (2.8)
0.63	>=0.20	TMEM214 (4.0)	FUT2 (3.7)	TBL2 (3.6)
0.63	>=0.20	TMEM214 (4.0)	FUT2 (3.7)	TBL2 (3.6)
0.63	>=0.20	CMIP (3.4)	MAPK10 (2.7)	MADD (2.1)
0.63	>=0.20	C2orf16 (3.7)	FRMD5 (3.6)	C11orf9 (2.9)
0.63	>=0.20	DUSP3 (2.7)	C1QTNF4 (2.6)	CTSB (2.6)
0.63	>=0.20	CCDC92 (3.0)	EPB41L3 (2.8)	CHMP3 (2.8)
0.63	>=0.20	TMEM101 (3.2)	BCL7B (2.6)	LSM12 (2.5)
0.63	>=0.20	POLR1A (2.4)	CAD (2.1)	BAZ1B (2.1)
0.63	>=0.20	POLR1A (2.4)	CAD (2.1)	BAZ1B (2.1)
0.63	>=0.20	EIF2B4 (2.9)	KANK2 (2.4)	CAD (2.3)
0.63	>=0.20	FNBP4 (3.1)	CELF1 (2.5)	GATAD2A (2.4)
0.63	>=0.20	FNBP4 (3.1)	CELF1 (2.5)	GATAD2A (2.4)
0.63	>=0.20	FNBP4 (3.1)	CELF1 (2.5)	GATAD2A (2.4)
0.63	>=0.20	MTCH2 (4.0)	EIF2B4 (3.4)	ARFGAP2 (3.3)
0.63	>=0.20	CD300LG (3.1)	GMIP (2.3)	FNBP4 (2.2)
0.63	>=0.20	MTCH2 (4.0)	NDUFS3 (3.0)	MRPL35 (2.9)
0.63	>=0.20	ENSG00000253379 ((	FUT2 (3.6)	CYP26A1 (2.5)
0.63	>=0.20	SOST (4.7)	LRP4 (4.0)	CGREF1 (3.6)
0.63	>=0.20	ARID1A (4.2)	CELF1 (3.7)	GTF3C2 (3.2)
0.63	>=0.20	ARID1A (4.2)	CELF1 (3.7)	GTF3C2 (3.2)
0.63	>=0.20	NFE2L3 (3.9)	PIGV (3.4)	CTSB (2.8)
0.63	>=0.20	BCL3 (3.3)	PGS1 (2.4)	GMIP (2.1)
0.63	>=0.20	OST4 (4.5)	MRPL33 (2.7)	ENSG00000223522 (2
0.63	>=0.20	ENSG00000253379 (2	LRP4 (2.3)	REEP3 (2.0)
0.63	>=0.20	CD300LG (3.3)	ABHD1 (2.9)	TUBGCP4 (2.7)
0.63	>=0.20	CD300LG (2.7)	ANGPTL4 (2.3)	PLTP (2.3)
0.63	>=0.20	FDFT1 (3.5)	SFN (2.6)	MLXIPL (2.6)

0.63	>=0.20	ARID1A (3.5)	AMBRA1 (2.7)	BAZ1B (2.5)
0.63	>=0.20	PPM1G (3.3)	BAZ1B (2.9)	IMMT (2.8)
0.63	>=0.20	FADS2 (3.4)	FADS1 (2.9)	CASC4 (2.8)
0.63	>=0.20	CLPTM1 (3.4)	ATP13A1 (3.4)	REEP1 (2.7)
0.63	>=0.20	PBX4 (2.6)	ACP2 (2.0)	BLK (2.0)
0.63	>=0.20	MAPK10 (2.2)	ENSG00000254235 (2	FAM167A (2.1)
0.63	>=0.20	HDAC5 (2.5)	CETP (2.5)	EPB41L3 (1.9)
0.63	>=0.20	DR1 (2.8)	MAFF (2.7)	ENSG00000182319 (2
0.63	>=0.20	SLC30A3 (4.1)	MPP2 (3.8)	NCAN (3.1)
0.63	>=0.20	PIGV (3.0)	CCDC121 (2.5)	BUD13 (2.4)
0.63	>=0.20	IMMT (3.3)	PPM1G (3.2)	PTCD3 (3.1)
0.63	>=0.20	MTF2 (3.3)	ARID1A (2.9)	KDM3A (2.8)
0.63	>=0.20	MTCH2 (4.3)	NDUFS3 (3.5)	NFE2L3 (3.2)
0.63	>=0.20	OST4 (3.7)	NOP58 (2.3)	MRPL33 (2.2)
0.63	>=0.20	ENSG00000182319 (2	DOCK6 (2.6)	TAGLN (2.6)
0.63	>=0.20	SDC1 (3.4)	TAGLN (3.3)	RASIP1 (2.7)
0.63	>=0.20	CCDC18 (3.8)	FEN1 (3.3)	USP1 (3.1)
0.63	>=0.20	G6PC3 (2.5)	TMED5 (2.2)	CATSPER2 (2.1)
0.63	>=0.20	PPY (4.0)	IGF2R (2.3)	RBKS (1.8)
0.63	>=0.20	TMED5 (3.7)	TMEM175 (2.7)	C2orf28 (2.6)
0.63	>=0.20	FNBP4 (3.8)	ENSG00000226645 (3	INTS10 (3.2)
0.63	>=0.20	TRIM54 (5.3)	FZD9 (2.7)	CILP2 (2.4)
0.63	>=0.20	ENSG00000222035 (2	C2orf53 (2.2)	ENSG00000257711 (2
0.63	>=0.20	SLC5A6 (3.1)	NFE2L3 (2.8)	IGF2R (2.4)
0.63	>=0.20	PCSK7 (2.5)	TBL2 (2.3)	TMED5 (2.3)
0.63	>=0.20	MAU2 (3.1)	DOCK7 (2.8)	ARHGAP1 (2.3)
0.63	>=0.20	FZD9 (2.9)	CYP26A1 (2.9)	ABO (2.8)
0.63	>=0.20	IMMT (3.8)	RIC8B (3.1)	HAVCR1 (2.5)
0.64	>=0.20	DNAH10 (3.4)	EMILIN1 (2.8)	FUT2 (2.4)
0.64	>=0.20	HAPLN4 (3.3)	CGREF1 (2.7)	COBLL1 (2.5)
0.64	>=0.20	CTSB (2.8)	PTPRJ (2.4)	SDC1 (2.1)
0.64	>=0.20	BCL3 (3.7)	PTPRJ (2.8)	NRBP1 (2.8)
0.64	>=0.20	MTCH2 (4.7)	ARFGAP2 (3.6)	NFE2L3 (3.1)
0.64	>=0.20	DOCK7 (3.0)	BAZ1B (2.8)	UBXN2B (2.7)
0.64	>=0.20	CHMP3 (3.5)	PAFAH1B2 (3.4)	NRBP1 (3.3)
0.64	>=0.20	ENSG00000235545 (2	ENSG00000257711 (2	MAFF (2.4)
0.64	>=0.20	MYBPC3 (6.7)	TRIM54 (5.2)	PACSIN3 (3.5)
0.64	>=0.20	HAPLN4 (3.2)	MAPK10 (2.6)	MAP1A (2.4)
0.64	>=0.20	PAFAH1B2 (3.6)	PCSK7 (3.4)	AFF1 (3.3)
0.64	>=0.20	SDCBP (2.6)	C11orf9 (2.5)	ZNF335 (2.3)
0.64	>=0.20	DPYSL5 (4.6)	HAPLN4 (3.3)	MPP3 (2.7)
0.64	>=0.20	PDIA3 (5.4)	IMMT (3.3)	SNX17 (2.9)
0.64	>=0.20	ENSG00000236827 (4	ENSG00000222035 (3	LPAL2 (2.9)
0.64	>=0.20	C2orf16 (3.9)	COBLL1 (3.3)	PBX4 (2.7)
0.64	>=0.20	PTPRJ (3.6)	NRBP1 (3.1)	BCL3 (3.1)
0.64	>=0.20	MRPL33 (3.6)	MRPL35 (3.5)	PTPMT1 (3.5)
0.64	>=0.20	C1orf172 (5.3)	CBLC (4.4)	SFN (4.1)
0.64	>=0.20	GPN2 (3.4)	GTF3C2 (2.9)	ZNF513 (2.7)
0.64	>=0.20	TMEM214 (7.3)	ATG13 (5.0)	PREB (4.8)
0.64	>=0.20	MTCH2 (4.2)	NFE2L3 (3.4)	NDUFS3 (3.0)

0.64	>=0.20	MAFF (2.7)	SDCBP (2.5)	FNBP4 (2.5)
0.64	>=0.20	CYP7A1 (3.2)	DR1 (2.9)	MPP3 (2.2)
0.64	>=0.20	CITED2 (3.1)	AFF1 (3.0)	DOCK7 (2.6)
0.64	>=0.20	SFN (6.2)	C1orf172 (4.5)	CBLC (4.3)
0.64	>=0.20	HAVCR1 (3.9)	RBKS (2.9)	MPP2 (2.9)
0.64	>=0.20	GPN2 (4.0)	INTS10 (2.8)	FNBP4 (2.4)
0.64	>=0.20	IMMT (3.5)	PDIA3 (3.0)	TAGLN (2.6)
0.64	>=0.20	ENSG00000235545 (3	PGS1 (3.1)	ENSG00000255020 (3
0.64	>=0.20	INTS10 (3.9)	MTMR9 (3.8)	MFAP1 (3.3)
0.64	>=0.20	FDFT1 (4.5)	HDAC5 (3.5)	ENSG00000256731 (2
0.64	>=0.20	ZNF259 (3.5)	DHODH (3.4)	EIF3J (3.3)
0.64	>=0.20	OST4 (5.0)	MRPL33 (2.2)	ENSG00000223522 (2
0.64	>=0.20	BLK (3.3)	SLC22A3 (2.8)	ARID1A (2.6)
0.64	>=0.20	CYP26A1 (3.5)	ENSG00000253379 (3	FUT2 (3.1)
0.64	>=0.20	BLK (2.6)	LINC00208 (2.5)	PCSK7 (2.4)
0.64	>=0.20	TAGLN (3.4)	IMMT (3.3)	ARHGAP1 (2.8)
0.64	>=0.20	MPV17 (4.0)	PLA2G6 (3.4)	CATSPER2 (3.3)
0.64	>=0.20	PIGV (2.1)	PGS1 (2.1)	CATSPER2 (2.0)
0.64	>=0.20	PDIA3 (3.8)	PPM1G (3.4)	IMMT (3.0)
0.64	>=0.20	HAPLN4 (4.3)	MAP1A (3.0)	EPB41L3 (2.6)
0.64	>=0.20	GMIP (3.4)	ARHGAP1 (2.7)	GATAD2A (2.6)
0.64	>=0.20	ARFGAP2 (3.8)	NDUFS3 (3.2)	MTCH2 (3.0)
0.64	>=0.20	SDC1 (3.9)	SFN (3.6)	RFX4 (3.0)
0.64	>=0.20	AGBL5 (3.1)	ZNF513 (2.6)	IFT172 (2.4)
0.64	>=0.20	GPN2 (3.6)	ZNF513 (3.6)	NRBF2 (3.6)
0.64	>=0.20	NCAN (3.4)	RSPO3 (2.8)	CCDC121 (2.1)
0.64	>=0.20	ATG4C (3.1)	ZNF513 (2.5)	ENSG00000226645 (2
0.64	>=0.20	POLR1A (2.7)	BAZ1B (2.5)	PPM1G (2.4)
0.64	>=0.20	POLR1A (2.7)	BAZ1B (2.5)	PPM1G (2.4)
0.64	>=0.20	ENSG00000236827 (3	ENSG00000222035 (3	ENSG00000256746 (2
0.64	>=0.20	ZNF513 (2.4)	ENSG00000182329 (2	OST4 (2.3)
0.64	>=0.20	NDUFS3 (5.8)	IMMT (4.4)	MRPL35 (4.1)
0.64	>=0.20	FZD9 (5.6)	CILP2 (3.7)	EMILIN1 (3.3)
0.64	>=0.20	MTCH2 (4.6)	ARFGAP2 (3.7)	EIF2B4 (3.6)
0.64	>=0.20	C2orf16 (2.9)	TIMD4 (2.6)	PBX4 (2.4)
0.64	>=0.20	TSSK6 (3.0)	HAVCR1 (2.4)	TECTB (2.1)
0.64	>=0.20	CMIP (4.4)	JMJD1C (2.9)	GMIP (2.8)
0.64	>=0.20	ENSG00000253379 (3	ENSG00000179523 (2	HAVCR1 (2.3)
0.64	>=0.20	ARFGAP2 (3.4)	CAD (3.1)	CKAP5 (3.0)
0.64	>=0.20	ENSG00000253379 (3	RSPO3 (3.4)	DNAJC5G (2.6)
0.64	>=0.20	EIF3J (3.3)	BCL7B (3.2)	TP53BP1 (2.9)
0.64	>=0.20	AFF1 (3.0)	PCSK7 (2.9)	LPAR2 (2.6)
0.64	>=0.20	NAGS (2.7)	C2orf53 (2.4)	TSSK6 (2.3)
0.64	>=0.20	RASIP1 (5.7)	BMPR2 (3.0)	CD300LG (2.8)
0.64	>=0.20	TMEM214 (3.5)	TMED5 (3.1)	C2orf28 (3.0)
0.64	>=0.20	PYY (2.9)	CSGALNACT1 (2.7)	ENSG00000236267 (2
0.64	>=0.20	RFX4 (3.6)	MAPK10 (3.2)	PTPRJ (2.7)
0.64	>=0.20	DHX38 (4.3)	SUGP1 (4.0)	NUP160 (3.5)
0.64	>=0.20	ATG4C (2.8)	MAPK10 (2.6)	CHMP3 (2.5)
0.64	>=0.20	PAFAH1B2 (2.5)	SUMO1 (2.4)	TUBGCP4 (2.4)

0.64	>=0.20	ZNF513 (2.2)	ENSG00000254235 (2	ENSG00000182319 (1
0.64	>=0.20	OST4 (3.2)	FNBP4 (2.4)	NOP58 (2.1)
0.65	>=0.20	REEP3 (3.5)	EPB41L3 (2.5)	SIDT2 (2.1)
0.65	>=0.20	TMEM214 (4.0)	TBL2 (4.0)	G6PC3 (4.0)
0.65	>=0.20	TOMM40 (3.0)	CITED2 (2.8)	GPN1 (2.3)
0.65	>=0.20	CAD (3.3)	NOP58 (3.1)	NUP160 (2.9)
0.65	>=0.20	LINC00208 (3.0)	IGF2R (2.7)	GALNT2 (2.4)
0.65	>=0.20	EMILIN1 (2.9)	PPIP5K1 (2.5)	TAGLN (2.5)
0.65	>=0.20	CLPTM1 (3.3)	PCSK7 (2.9)	CTSB (2.7)
0.65	>=0.20	ENSG00000253379 (4	LRP4 (3.5)	FAM167A (3.3)
0.65	>=0.20	TECTB (6.0)	TRNP1 (2.7)	FUT2 (2.7)
0.65	>=0.20	ENSG00000222035 (3	AGBL2 (2.7)	COBLL1 (2.6)
0.65	>=0.20	TSSK6 (3.6)	C17orf105 (3.2)	C2orf53 (3.0)
0.65	>=0.20	C1QTNF4 (3.2)	PTPN13 (3.0)	BMPR2 (2.4)
0.65	>=0.20	PBX4 (3.7)	PCSK7 (2.6)	C8orf12 (2.2)
0.65	>=0.20	LRP4 (3.6)	FAM167A (3.6)	CYP26A1 (3.2)
0.65	>=0.20	CSGALNACT1 (3.2)	SDCBP (2.7)	C2orf16 (2.6)
0.65	>=0.20	BCL3 (3.5)	NFE2L3 (3.4)	PGS1 (2.9)
0.65	>=0.20	REEP1 (3.9)	KANK2 (3.4)	TAGLN (3.4)
0.65	>=0.20	DPYSL5 (3.1)	FNDC4 (2.8)	ENSG00000253379 (2
0.65	>=0.20	C8orf49 (4.3)	CYP26A1 (3.5)	ABO (3.2)
0.65	>=0.20	AMBRA1 (2.8)	ZNF408 (2.4)	PACSIN3 (2.2)
0.65	>=0.20	ABCA1 (2.6)	DOCK7 (2.6)	BMPR2 (2.3)
0.65	>=0.20	KHK (4.5)	ANGPTL3 (3.2)	HAVCR1 (2.8)
0.65	>=0.20	TMED5 (3.7)	PGS1 (3.5)	PTPMT1 (2.8)
0.65	>=0.20	WDR76 (4.6)	USP1 (4.3)	FEN1 (4.2)
0.65	>=0.20	EIF3J (4.1)	CTDSPL2 (3.6)	PCIF1 (2.8)
0.65	>=0.20	UCN (2.8)	LPAL2 (2.4)	DNAH10 (2.1)
0.65	>=0.20	ACP2 (3.2)	BLK (3.0)	PCSK7 (2.7)
0.65	>=0.20	BAZ1B (3.4)	NUP160 (3.2)	BCL7B (3.0)
0.65	>=0.20	MAMSTR (5.8)	RSPO3 (2.4)	FGF21 (1.9)
0.65	>=0.20	PREB (5.5)	TMEM214 (4.4)	NRBP1 (3.9)
0.65	>=0.20	NOP58 (2.2)	FNBP4 (2.0)	NSMAF (2.0)
0.65	>=0.20	BNC2 (2.3)	REEP3 (2.3)	GALNT2 (2.3)
0.65	>=0.20	ARID1A (2.8)	BAZ1B (2.5)	CELF1 (2.3)
0.65	>=0.20	ARID1A (2.8)	BAZ1B (2.5)	CELF1 (2.3)
0.65	>=0.20	AGBL5 (2.7)	ENSG00000223745 (2	PYY (2.2)
0.65	>=0.20	C2orf16 (3.5)	LINC00208 (2.8)	SIK3 (2.6)
0.65	>=0.20	FUT2 (2.9)	MAPRE3 (2.7)	FUT1 (2.5)
0.65	>=0.20	IMMT (4.0)	SNX17 (3.5)	PPM1G (3.3)
0.65	>=0.20	DUSP3 (3.0)	ZDHHC18 (2.7)	C8orf12 (2.6)
0.65	>=0.20	GPN2 (3.3)	MPV17 (2.8)	ZNF259 (2.8)
0.65	>=0.20	GPN2 (3.3)	MPV17 (2.8)	ZNF259 (2.8)
0.65	>=0.20	GPN2 (3.3)	MPV17 (2.8)	ZNF259 (2.8)
0.65	>=0.20	MADD (3.3)	MPP3 (3.2)	HAPLN4 (3.0)
0.65	>=0.20	ENSG00000257711 (2	SUGP1 (2.7)	MAU2 (2.7)
0.65	>=0.20	ZNF408 (3.4)	POLR1A (3.2)	TOMM40 (3.1)
0.65	>=0.20	BCL7B (3.5)	DR1 (3.4)	BAZ1B (2.4)
0.65	>=0.20	MTCH2 (4.3)	NFE2L3 (3.7)	NDUFS3 (3.2)
0.65	>=0.20	NDUFS3 (6.1)	IMMT (4.0)	MRPL35 (3.9)

0.65	>=0.20	DDB2 (3.9)	AGBL5 (2.8)	SFN (2.7)
0.65	>=0.20	KBTBD4 (2.7)	OST4 (2.5)	NEIL2 (2.4)
0.65	>=0.20	MTMR9 (2.9)	PVRL2 (2.5)	CCDC92 (2.3)
0.65	>=0.20	KLF14 (3.1)	MPP3 (3.1)	TECTB (3.0)
0.65	>=0.20	MAPK10 (3.8)	CSGALNACT1 (2.8)	C8orf12 (2.7)
0.65	>=0.20	NCAN (4.1)	DPYSL5 (3.5)	CASC4 (2.7)
0.65	>=0.20	ENSG00000253379 (5	SDC1 (3.2)	RSPO3 (3.1)
0.65	>=0.20	TAGLN (6.8)	EMILIN1 (4.2)	NR1H3 (2.3)
0.65	>=0.20	IFT172 (3.5)	MAPRE3 (3.3)	C11orf49 (2.8)
0.65	>=0.20	RFX4 (3.7)	PTPN13 (3.0)	BNC2 (2.9)
0.65	>=0.20	ENSG00000200241 (5	ARID1A (3.0)	HDAC5 (3.0)
0.65	>=0.20	ENSG00000254235 (2	FADS2 (2.2)	TRIB1 (1.9)
0.65	>=0.20	TECTB (2.9)	RASIP1 (2.6)	HP (2.2)
0.65	>=0.20	MFAP1 (3.6)	NUP160 (3.5)	SUGP1 (3.1)
0.65	>=0.20	MFAP1 (3.6)	NUP160 (3.5)	SUGP1 (3.1)
0.65	>=0.20	MFAP1 (3.6)	NUP160 (3.5)	SUGP1 (3.1)
0.65	>=0.20	PIGV (2.1)	PGS1 (2.0)	ENSG00000257711 (1
0.65	>=0.20	EIF3J (4.2)	ZNF259 (4.1)	SUGP1 (3.8)
0.65	>=0.20	ENSG00000222035 (5	ENSG00000256746 (5	DNAH10 (2.6)
0.65	>=0.20	PPIP5K1 (2.7)	KLF14 (2.5)	TOMM40 (2.4)
0.65	>=0.20	AFF1 (4.0)	ABCA1 (3.5)	FRMD5 (2.0)
0.65	>=0.20	EMILIN1 (2.7)	PYY (2.4)	KANK2 (2.2)
0.65	>=0.20	MTCH2 (4.0)	EIF2B4 (3.8)	NFE2L3 (3.8)
0.65	>=0.20	IMMT (4.0)	OST4 (2.9)	MTCH2 (2.9)
0.65	>=0.20	BNC2 (3.0)	PTPN13 (2.8)	ENSG00000234945 (2
0.65	>=0.20	BNC2 (3.0)	PTPN13 (2.8)	ENSG00000234945 (2
0.65	>=0.20	OST4 (4.8)	ENSG00000223522 (1	UBXN2B (1.9)
0.65	>=0.20	TOMM40 (4.1)	PPM1G (3.7)	IMMT (3.5)
0.65	>=0.20	FRMD5 (2.7)	C11orf9 (2.7)	PACSIN3 (2.6)
0.65	>=0.20	INTS10 (3.8)	MTMR9 (3.4)	GPN2 (2.9)
0.66	>=0.20	NFE2L3 (2.6)	C11orf9 (2.6)	CYP26A1 (2.6)
0.66	>=0.20	FZD9 (3.3)	FAM167A (3.0)	SOST (2.8)
0.66	>=0.20	IMMT (3.6)	PDIA3 (3.6)	EIF3J (3.5)
0.66	>=0.20	FADS1 (6.9)	FADS2 (6.1)	FDFT1 (5.9)
0.66	>=0.20	KDM3A (3.7)	MTF2 (2.8)	USP1 (2.2)
0.66	>=0.20	BLK (3.8)	ACP2 (2.6)	PCSK7 (2.1)
0.66	>=0.20	BLK (3.8)	ACP2 (2.6)	PCSK7 (2.1)
0.66	>=0.20	BLK (3.8)	ACP2 (2.6)	PCSK7 (2.1)
0.66	>=0.20	ENSG00000256731 (5	ENSG00000222035 (5	ENSG00000235545 (2
0.66	>=0.20	ENSG00000253379 (5	ENSG00000236267 (3	REEP1 (2.9)
0.66	>=0.20	TAGLN (5.2)	CHMP3 (3.0)	RIC8B (2.4)
0.66	>=0.20	C2orf16 (3.9)	TIMD4 (3.0)	PBX4 (2.9)
0.66	>=0.20	RFX4 (3.3)	PTPN13 (3.0)	SOST (2.5)
0.66	>=0.20	ENSG00000256746 (4	TDH (2.4)	C1orf172 (2.2)
0.66	>=0.20	DNAJC5G (3.7)	EPB41L3 (2.5)	AGBL5 (2.3)
0.66	>=0.20	HAVCR1 (3.3)	REEP3 (2.9)	CTSB (2.3)
0.66	>=0.20	C11orf9 (3.6)	ENSG00000235545 (3	BNC2 (3.2)
0.66	>=0.20	BUD13 (3.0)	ZNF408 (2.5)	TP53BP1 (2.5)
0.66	>=0.20	BCL3 (3.1)	PBX4 (2.6)	FADS1 (2.6)
0.66	>=0.20	MAP1A (4.0)	MPP2 (3.6)	MPP3 (3.6)

0.66	>=0.20	TECTB (7.4)	C1orf172 (3.7)	FUT1 (3.2)
0.66	>=0.20	FNBP4 (4.2)	BUD13 (3.3)	ZNF512 (3.3)
0.66	>=0.20	TOMM40 (3.6)	EIF3J (3.2)	GPN1 (3.1)
0.66	>=0.20	KHK (6.8)	ENSG00000256731 (6	ANGPTL3 (4.2)
0.66	>=0.20	MYBPC3 (7.7)	TRIM54 (6.9)	PACSIN3 (4.0)
0.66	>=0.20	TMEM214 (3.9)	FUT2 (3.7)	TBL2 (3.6)
0.66	>=0.20	MTCH2 (4.6)	EIF2B4 (3.7)	MRPL35 (3.6)
0.66	>=0.20	DHODH (3.8)	HARBI1 (3.7)	POLR1A (3.0)
0.66	>=0.20	NUP160 (2.9)	PTCD3 (2.8)	TUBGCP4 (2.8)
0.66	>=0.20	REEP3 (2.3)	CITED2 (1.9)	ENSG00000256731 (1
0.66	>=0.20	FEN1 (6.0)	WDR76 (5.4)	USP1 (5.1)
0.66	>=0.20	RSPO3 (3.0)	EPB41L3 (2.8)	FRMD5 (2.4)
0.66	>=0.20	KRTCAP3 (3.2)	CASC4 (2.5)	LIPC (2.3)
0.66	>=0.20	PBX4 (2.4)	GMIP (2.2)	LINC00208 (2.2)
0.66	>=0.20	TAGLN (2.7)	CTSB (2.6)	APOE (2.4)
0.66	>=0.20	TAGLN (3.0)	ARHGAP1 (2.4)	ENSG00000182319 (2
0.66	>=0.20	IMMT (3.4)	PPM1G (3.0)	CAD (2.9)
0.66	>=0.20	TP53BP1 (2.8)	PPIP5K1 (2.5)	SPG11 (2.4)
0.66	>=0.20	RFX4 (3.5)	NCAN (3.2)	SLC30A3 (2.8)
0.66	>=0.20	BRE (2.8)	MPV17 (2.7)	SUPT7L (2.5)
0.66	>=0.20	MFAP1 (3.5)	GPN1 (3.4)	TBL2 (3.1)
0.66	>=0.20	MADD (3.5)	GMIP (3.2)	DOCK6 (2.7)
0.66	>=0.20	BNC2 (4.0)	PYY (3.6)	RFX4 (2.6)
0.66	>=0.20	TRIB1 (3.6)	TECTB (3.0)	CCDC121 (2.5)
0.66	>=0.20	MTCH2 (3.7)	EIF2B4 (3.3)	PREB (3.1)
0.66	>=0.20	GMIP (3.7)	BLK (3.5)	ZDHHC18 (2.8)
0.66	>=0.20	IZUMO1 (3.1)	LPAL2 (2.8)	ENSG00000234945 (2
0.66	>=0.20	DDB2 (2.8)	NFE2L3 (2.8)	SUMO1 (2.5)
0.66	>=0.20	AFF1 (2.4)	COBLL1 (2.4)	ENSG00000235545 (2
0.66	>=0.20	C8orf12 (3.2)	CD300LG (2.7)	ENSG00000182329 (2
0.66	>=0.20	BLK (2.6)	GMIP (2.1)	MPV17 (2.0)
0.66	>=0.20	BCL7B (4.6)	GTF3C2 (3.0)	MPV17 (2.8)
0.66	>=0.20	BNC2 (3.4)	IFT172 (2.9)	ENSG00000257711 (2
0.66	>=0.20	USP1 (3.4)	FEN1 (3.4)	DDB2 (3.1)
0.66	>=0.20	CHMP3 (4.5)	PGS1 (3.3)	C1orf172 (3.0)
0.66	>=0.20	C1orf172 (4.0)	PVRL2 (4.0)	CBLC (3.9)
0.66	>=0.20	AFF1 (3.5)	PTPRJ (3.3)	GMIP (2.9)
0.66	>=0.20	KDM3A (3.1)	MPV17 (2.8)	MTF2 (2.3)
0.66	>=0.20	BLK (3.0)	C2orf16 (2.9)	ZDHHC18 (2.6)
0.66	>=0.20	GATAD2A (2.9)	MAMSTR (2.8)	CBLC (2.7)
0.66	>=0.20	ENSG00000257711 (3	UBXN2B (2.9)	IZUMO1 (2.5)
0.66	>=0.20	BCL3 (4.5)	PGS1 (3.2)	ZDHHC18 (2.7)
0.66	>=0.20	SOST (5.4)	LPL (4.6)	GPAM (3.0)
0.66	>=0.20	C2orf53 (3.7)	IZUMO1 (3.4)	DNAH10 (3.2)
0.66	>=0.20	C2orf16 (3.4)	COBLL1 (3.0)	PBX4 (2.7)
0.66	>=0.20	SLC5A6 (2.8)	ENSG00000223522 (2	KLF14 (2.4)
0.66	>=0.20	FNBP4 (4.5)	BUD13 (3.3)	ZNF512 (3.2)
0.66	>=0.20	MTCH2 (4.3)	NFE2L3 (3.6)	NDUFS3 (3.1)
0.66	>=0.20	MTCH2 (4.3)	NFE2L3 (3.6)	NDUFS3 (3.1)
0.66	>=0.20	ZNF259 (4.7)	NOP58 (3.8)	TOMM40 (3.1)

0.66	>=0.20	GATAD2A (2.7)	TOMM40 (2.7)	MAFF (2.4)
0.66	>=0.20	FADS2 (3.0)	MTMR9 (2.8)	FADS1 (2.3)
0.66	>=0.20	CAD (3.7)	NUP160 (3.7)	USP1 (3.5)
0.67	>=0.20	SDCBP (4.0)	DR1 (3.3)	SNX17 (2.9)
0.67	>=0.20	PTPN13 (2.7)	RFX4 (2.7)	BNC2 (2.4)
0.67	>=0.20	MFAP1 (3.4)	NUP160 (3.4)	SUGP1 (3.2)
0.67	>=0.20	PDIA3 (3.8)	VEGFA (3.0)	NCAN (2.0)
0.67	>=0.20	CITED2 (2.4)	CBLC (2.1)	BMPR2 (2.1)
0.67	>=0.20	SFN (4.6)	FUT1 (3.2)	CBLC (2.3)
0.67	>=0.20	ZNF664 (4.4)	PLA2G6 (3.3)	DR1 (2.8)
0.67	>=0.20	GMIP (2.9)	DR1 (2.6)	PAFAH1B2 (2.6)
0.67	>=0.20	FUT2 (5.8)	CBLC (3.8)	FGF21 (2.9)
0.67	>=0.20	FADS2 (4.1)	FADS1 (4.1)	FDFT1 (4.0)
0.67	>=0.20	FADS2 (4.1)	FADS1 (4.1)	FDFT1 (4.0)
0.67	>=0.20	BCL7B (3.5)	ARID1A (2.8)	BAZ1B (2.7)
0.67	>=0.20	TMEM214 (7.6)	PREB (4.6)	TBL2 (4.0)
0.67	>=0.20	TMEM214 (7.6)	PREB (4.6)	TBL2 (4.0)
0.67	>=0.20	ENSG00000253379 (4	LRP4 (3.6)	TECTB (3.6)
0.67	>=0.20	DDB2 (3.0)	SUMO1 (2.3)	NFE2L3 (2.1)
0.67	>=0.20	SUMO1 (3.0)	MFAP1 (2.9)	AMBRA1 (2.8)
0.67	>=0.20	PTPN13 (3.0)	SDC1 (2.8)	ENSG00000234945 (2
0.67	>=0.20	G6PC3 (5.3)	TMEM175 (5.0)	C2orf28 (3.5)
0.67	>=0.20	PBX4 (3.0)	NEIL2 (2.8)	PGS1 (2.7)
0.67	>=0.20	ENSG00000256746 (3	MPV17 (2.6)	INTS10 (2.4)
0.67	>=0.20	DDB2 (3.1)	SIK3 (2.3)	MAP1A (2.3)
0.67	>=0.20	ZNF335 (3.5)	FNBP4 (3.5)	EIF3J (3.2)
0.67	>=0.20	MAPRE3 (2.4)	ABO (2.4)	PBX4 (2.2)
0.67	>=0.20	USP1 (3.2)	TUBGCP4 (3.0)	MFAP1 (2.7)
0.67	>=0.20	LRP4 (3.8)	KLF14 (2.5)	CCDC121 (2.0)
0.67	>=0.20	PGS1 (3.3)	HDAC5 (3.1)	LPAR2 (3.0)
0.67	>=0.20	ABCA1 (3.2)	PGS1 (2.1)	BCL3 (2.0)
0.67	>=0.20	KHK (3.6)	LPAL2 (2.9)	ABHD1 (2.6)
0.67	>=0.20	TM6SF2 (2.7)	MPP3 (2.4)	GCKR (2.2)
0.67	>=0.20	ENSG00000256746 (2	MPV17 (2.7)	ENSG00000223745 (2
0.67	>=0.20	ENSG00000256746 (2	MPV17 (2.7)	ENSG00000223745 (2
0.67	>=0.20	DNAJC5G (3.6)	AGBL5 (3.5)	CELF1 (3.2)
0.67	>=0.20	ZDHHC18 (3.0)	LSM12 (2.8)	LPAL2 (2.7)
0.67	>=0.20	RFX4 (3.3)	DPYSL5 (2.9)	FAM167A (2.2)
0.67	>=0.20	CMIP (3.5)	ZDHHC18 (3.3)	LPAR2 (2.5)
0.67	>=0.20	C8orf12 (2.6)	MAPRE3 (2.4)	CCDC92 (2.4)
0.67	>=0.20	ENSG00000222035 (4	TDH (3.3)	GATA4 (2.9)
0.67	>=0.20	PMFBP1 (2.9)	CTSB (2.5)	C2orf28 (2.2)
0.67	>=0.20	PMFBP1 (2.9)	CTSB (2.5)	C2orf28 (2.2)
0.67	>=0.20	LSM12 (2.6)	GATA4 (2.5)	ARID1A (2.4)
0.67	>=0.20	C8orf12 (3.1)	CD300LG (2.7)	ENSG00000182329 (2
0.67	>=0.20	MPP2 (2.7)	SLC30A3 (2.6)	CCDC121 (1.8)
0.67	>=0.20	EIF2B4 (2.7)	SUGP1 (2.4)	ZDHHC18 (2.3)
0.67	>=0.20	DNAJC5G (4.1)	C8orf12 (3.2)	SPG11 (2.5)
0.67	>=0.20	DNAJC5G (4.1)	C8orf12 (3.2)	SPG11 (2.5)
0.67	>=0.20	LPAR2 (2.6)	EPB41L3 (2.5)	ARHGAP1 (2.5)

0.67 >=0.20	FADS1 (4.9)	FDFT1 (4.3)	TMEM214 (3.2)
0.67 >=0.20	RASIP1 (4.7)	DOCK6 (3.6)	FAM167A (2.5)
0.67 >=0.20	PAFAH1B2 (3.0)	SIK3 (2.9)	TP53BP1 (2.9)
0.67 >=0.20	IMMT (3.9)	MTCH2 (2.9)	NDUFS3 (2.8)
0.67 >=0.20	CITED2 (3.7)	COBLL1 (2.4)	KANK2 (2.3)
0.67 >=0.20	RASIP1 (2.8)	C2orf53 (2.6)	KANK2 (2.4)
0.67 >=0.20	GMIP (3.2)	BLK (3.1)	ZDHHC18 (2.3)
0.67 >=0.20	AGBL2 (4.6)	HAVCR1 (3.5)	RBKS (3.0)
0.67 >=0.20	MTF2 (3.2)	BUD13 (3.0)	ZNF335 (2.9)
0.67 >=0.20	FUT2 (3.3)	C11orf9 (2.8)	PDIA3 (2.6)
0.67 >=0.20	POLR1A (3.4)	CAD (2.8)	TOMM40 (2.8)
0.67 >=0.20	BRE (2.3)	FUT1 (2.0)	ABHD1 (2.0)
0.67 >=0.20	BRE (2.3)	FUT1 (2.0)	ABHD1 (2.0)
0.67 >=0.20	GMIP (4.5)	PTPRJ (3.1)	GATAD2A (3.0)
0.67 >=0.20	WDR76 (3.5)	C8orf49 (3.4)	DNAJC5G (3.3)
0.67 >=0.20	PYY (4.0)	PPY (3.4)	CSGALNACT1 (2.6)
0.67 >=0.20	PCSK7 (2.8)	SPG11 (2.7)	BCL7B (2.7)
0.68 >=0.20	MRPL33 (3.2)	MFAP1 (3.1)	SUGP1 (2.8)
0.68 >=0.20	BUD13 (3.4)	TXNL4B (2.3)	USP1 (2.3)
0.68 >=0.20	BUD13 (3.4)	TXNL4B (2.3)	USP1 (2.3)
0.68 >=0.20	BUD13 (3.4)	TXNL4B (2.3)	USP1 (2.3)
0.68 >=0.20	MADD (3.3)	PTPRJ (2.8)	ENSG00000222035 (2
0.68 >=0.20	PTPRJ (3.0)	GMIP (3.0)	NSMAF (2.5)
0.68 >=0.20	ZNF259 (3.4)	FDFT1 (3.1)	NUP160 (2.7)
0.68 >=0.20	HARBI1 (2.9)	GPN2 (2.8)	ATG4C (2.6)
0.68 >=0.20	ZNF408 (3.2)	KBTBD4 (2.9)	KLF14 (2.8)
0.68 >=0.20	RFX4 (5.0)	DPYSL5 (2.9)	ENSG00000236827 (2
0.68 >=0.20	UCN (2.4)	ZNF259 (2.4)	TUBGCP4 (2.4)
0.68 >=0.20	MAFF (5.4)	TRIB1 (4.6)	UBXN2B (3.0)
0.68 >=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.5)
0.68 >=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.5)
0.68 >=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.5)
0.68 >=0.20	KHK (3.0)	LPL (2.1)	MAU2 (1.9)
0.68 >=0.20	BCAM (2.5)	NCAN (2.5)	MLXIPL (2.4)
0.68 >=0.20	GMIP (4.5)	ZDHHC18 (3.0)	ARID1A (2.9)
0.68 >=0.20	CLPTM1 (3.4)	ATP13A1 (3.3)	MADD (2.7)
0.68 >=0.20	EPB41L3 (2.9)	RFX4 (2.5)	PYY (2.4)
0.68 >=0.20	IZUMO1 (3.1)	ZDHHC18 (2.5)	NEIL2 (2.3)
0.68 >=0.20	OST4 (4.8)	ENSG00000223522 (2	NSMAF (1.7)
0.68 >=0.20	PCSK7 (3.8)	GMIP (3.0)	AFF1 (2.4)
0.68 >=0.20	CLPTM1 (2.7)	TOMM40 (2.5)	NRBP1 (2.3)
0.68 >=0.20	MTCH2 (4.3)	NFE2L3 (4.2)	EIF2B4 (3.2)
0.68 >=0.20	POLR1A (4.2)	CAD (3.9)	GPN2 (3.9)
0.68 >=0.20	MTCH2 (4.4)	NFE2L3 (3.9)	NDUFS3 (3.3)
0.68 >=0.20	PVRL2 (2.5)	ATG13 (2.5)	ZNF513 (2.2)
0.68 >=0.20	SPG11 (3.3)	MADD (2.7)	ARHGAP1 (2.6)
0.68 >=0.20	CCDC121 (3.3)	ENSG00000255020 (3	SFN (2.8)
0.68 >=0.20	IZUMO1 (2.8)	NEIL2 (2.5)	ZDHHC18 (2.5)
0.68 >=0.20	IZUMO1 (2.8)	NEIL2 (2.5)	ZDHHC18 (2.5)
0.68 >=0.20	BAZ1B (2.9)	BUD13 (2.5)	ARID1A (2.4)

0.68	>=0.20	SUGP1 (3.6)	SPG11 (3.4)	HARBI1 (3.2)
0.68	>=0.20	CYP26A1 (2.9)	FZD9 (2.3)	RFX4 (2.2)
0.68	>=0.20	ENSG00000182319 (2	LRP4 (2.7)	GMIP (2.6)
0.68	>=0.20	STRC (4.6)	ENSG00000255020 (3	ABHD1 (2.5)
0.68	>=0.20	IGF2R (2.7)	ATG13 (2.3)	MTF2 (2.2)
0.68	>=0.20	ENSG00000226645 (4	GMIP (2.4)	MFAP1 (2.3)
0.68	>=0.20	BNC2 (4.2)	EPB41L3 (3.6)	DPYSL5 (3.5)
0.68	>=0.20	FDFT1 (4.7)	FADS1 (3.4)	PDIA3 (3.4)
0.68	>=0.20	RFX4 (3.9)	NCAN (3.7)	DPYSL5 (3.0)
0.68	>=0.20	MAMSTR (3.6)	JMJD1C (2.3)	KDM3A (2.2)
0.68	>=0.20	ARID1A (3.6)	BUD13 (3.0)	PCIF1 (2.7)
0.68	>=0.20	SLC22A3 (2.1)	FUT1 (1.8)	CMIP (1.7)
0.68	>=0.20	CLPTM1 (3.5)	ATG13 (3.1)	PIGV (2.7)
0.68	>=0.20	TMEM214 (5.8)	ATG13 (5.2)	PREB (4.1)
0.68	>=0.20	WDR76 (3.3)	DDB2 (3.0)	USP1 (2.6)
0.68	>=0.20	PDIA3 (3.0)	PAFAH1B2 (2.3)	SDCBP (2.2)
0.68	>=0.20	HP (4.1)	PPY (3.8)	EMILIN1 (2.8)
0.68	>=0.20	PGS1 (2.5)	NEIL2 (2.3)	AFF1 (2.1)
0.68	>=0.20	PPY (3.8)	ENSG00000256746 (3	UCN (2.9)
0.68	>=0.20	ARID1A (3.4)	C8orf12 (3.0)	ENSG00000256746 (2
0.68	>=0.20	IMMT (4.0)	MTCH2 (3.4)	PPM1G (3.2)
0.68	>=0.20	NOP58 (3.1)	PPM1G (2.9)	PTCD3 (2.7)
0.68	>=0.20	GPN1 (3.1)	MTF2 (2.9)	GTF3C2 (2.6)
0.68	>=0.20	GMIP (4.2)	BLK (3.6)	AFF1 (2.8)
0.68	>=0.20	EIF3J (4.5)	NOP58 (4.2)	ZNF259 (3.9)
0.68	>=0.20	TMED5 (3.2)	ATG13 (3.0)	PREB (2.5)
0.68	>=0.20	ARID1A (2.8)	DOCK6 (2.2)	ZNF664 (2.1)
0.68	>=0.20	OST4 (4.8)	MRPL33 (2.4)	ENSG00000223522 (2
0.68	>=0.20	OST4 (4.8)	MRPL33 (2.4)	ENSG00000223522 (2
0.68	>=0.20	OST4 (4.8)	MRPL33 (2.4)	ENSG00000223522 (2
0.68	>=0.20	PBX4 (4.4)	BCL3 (3.1)	KDM3A (2.9)
0.68	>=0.20	ZNF259 (2.6)	FNBP4 (2.5)	PPM1G (2.4)
0.68	>=0.20	ATP13A1 (3.4)	CLPTM1 (3.3)	REEP1 (2.8)
0.69	>=0.20	CETP (2.9)	EPB41L3 (2.6)	MPP2 (2.6)
0.69	>=0.20	AFF1 (2.8)	C1orf172 (2.5)	ZNF664 (2.5)
0.69	>=0.20	C1QTNF4 (4.0)	HAPLN4 (3.9)	ACP2 (2.8)
0.69	>=0.20	BCL7B (3.0)	TXNL4B (2.9)	NUP160 (2.7)
0.69	>=0.20	SLC22A3 (3.2)	BNC2 (2.3)	COBLL1 (2.2)
0.69	>=0.20	ENSG00000235545 (4	ENSG00000257711 (3	SLC22A3 (2.4)
0.69	>=0.20	CETP (2.5)	ENSG00000236827 (2	GMIP (2.3)
0.69	>=0.20	SUMO1 (3.2)	TOMM40 (2.8)	G6PC3 (2.8)
0.69	>=0.20	DDB2 (3.8)	NSMAF (2.5)	FEN1 (2.4)
0.69	>=0.20	PTPN13 (2.7)	FAM167A (2.6)	ENSG00000222035 (2
0.69	>=0.20	ENSG00000253379 (5	MAMSTR (2.5)	BNC2 (2.5)
0.69	>=0.20	ENSG00000182319 (2	RSPO3 (2.8)	CYP26A1 (2.8)
0.69	>=0.20	C2orf16 (3.4)	TIMD4 (2.6)	PBX4 (2.5)
0.69	>=0.20	IMMT (3.5)	BCL3 (3.4)	TP53BP1 (3.0)
0.69	>=0.20	ARHGAP1 (4.4)	TAGLN (4.2)	DOCK7 (2.1)
0.69	>=0.20	CKAP5 (3.9)	TMEM175 (3.9)	LPAR2 (2.7)
0.69	>=0.20	CKAP5 (3.0)	C8orf12 (2.8)	FEN1 (2.6)

0.69	>=0.20	TRIB1 (3.9)	ENSG00000226645 (3	ZNF513 (2.6)
0.69	>=0.20	SUMO1 (2.2)	NOP58 (2.2)	FNBP4 (2.1)
0.69	>=0.20	GMIP (2.9)	CMIP (2.5)	PCSK7 (2.3)
0.69	>=0.20	CYP26A1 (3.2)	PTPN13 (2.4)	RSPO3 (2.3)
0.69	>=0.20	DPYSL5 (3.3)	C1QTNF4 (3.3)	MAP1A (3.2)
0.69	>=0.20	CD300LG (2.8)	LPL (2.7)	RASIP1 (2.3)
0.69	>=0.20	MAMSTR (6.5)	PACSIN3 (3.5)	FZD9 (3.1)
0.69	>=0.20	BLK (2.8)	ZDHHC18 (2.8)	PBX4 (2.7)
0.69	>=0.20	CMIP (2.8)	SDCBP (2.5)	FAM167A (2.2)
0.69	>=0.20	MYBPC3 (4.4)	GATA4 (3.9)	FRMD5 (3.5)
0.69	>=0.20	MPV17 (4.2)	SPG11 (4.1)	CTSB (3.8)
0.69	>=0.20	ABHD1 (3.2)	BRE (2.5)	FADS2 (2.3)
0.69	>=0.20	FNBP4 (4.7)	ARFGAP2 (3.5)	LSM12 (3.4)
0.69	>=0.20	ENSG00000222035 (3	ENSG00000256746 (3	SDCBP (2.5)
0.69	>=0.20	PPM1G (2.8)	NUP160 (2.6)	BCL7B (2.4)
0.69	>=0.20	SUGP1 (3.7)	TOMM40 (2.9)	FEN1 (2.8)
0.69	>=0.20	BCL3 (4.1)	SIK3 (4.0)	CLPTM1 (3.2)
0.69	>=0.20	BUD13 (3.0)	SIK3 (2.8)	TP53BP1 (2.6)
0.69	>=0.20	KRTCAP3 (3.2)	PTPMT1 (2.6)	PYY (2.5)
0.69	>=0.20	PAFAH1B2 (4.0)	TMEM101 (3.4)	TP53BP1 (2.3)
0.69	>=0.20	SUGP1 (3.9)	EIF2B4 (3.2)	NUP160 (3.2)
0.69	>=0.20	BNC2 (3.2)	KLF14 (3.2)	MAMSTR (2.5)
0.69	>=0.20	PDIA3 (3.4)	TMED5 (3.4)	FUT2 (2.7)
0.69	>=0.20	MADD (3.1)	RIC8B (2.5)	NSMAF (2.4)
0.69	>=0.20	DNAH10 (2.6)	SOST (2.6)	FAM167A (2.5)
0.69	>=0.20	DPYSL5 (3.5)	RFX4 (2.9)	FAM167A (2.8)
0.69	>=0.20	BUD13 (3.4)	BAZ1B (3.0)	NUP160 (2.5)
0.69	>=0.20	TMEM214 (4.7)	ANGPTL4 (3.0)	DR1 (2.9)
0.69	>=0.20	MFAP1 (3.1)	TP53BP1 (2.9)	JMJD1C (2.6)
0.69	>=0.20	PTPRJ (2.8)	TUBGCP4 (2.8)	DOCK7 (2.7)
0.69	>=0.20	ENSG00000234945 (2	COBLL1 (2.1)	NFE2L3 (2.1)
0.69	>=0.20	MTCH2 (4.0)	EIF3J (3.4)	NDUFS3 (3.2)
0.69	>=0.20	TRIM54 (2.6)	KANK2 (2.5)	C2orf28 (2.1)
0.69	>=0.20	C2orf53 (5.5)	C17orf105 (5.4)	TSSK6 (4.6)
0.69	>=0.20	FGF21 (4.0)	VEGFA (2.5)	PGS1 (2.5)
0.69	>=0.20	FZD9 (3.6)	KLF14 (3.6)	RSPO3 (3.1)
0.69	>=0.20	ENSG00000182319 (2	GMIP (2.6)	GATAD2A (2.3)
0.69	>=0.20	PCSK7 (3.3)	TMEM214 (2.3)	DHX38 (2.1)
0.69	>=0.20	MTF2 (3.7)	KDM3A (3.4)	USP1 (2.3)
0.69	>=0.20	RIC8B (3.6)	ENSG00000182329 (3	SLC22A1 (2.5)
0.69	>=0.20	ENSG00000256746 (3	FUT1 (2.2)	DUSP3 (2.1)
0.69	>=0.20	CTDSPL2 (4.0)	WDR76 (3.5)	BUD13 (3.4)
0.69	>=0.20	FNBP4 (2.9)	ENSG00000223522 (2	ZNF513 (2.7)
0.69	>=0.20	C2orf16 (3.4)	TIMD4 (2.7)	PBX4 (2.4)
0.69	>=0.20	CELF1 (3.0)	FNBP4 (2.8)	BAZ1B (2.7)
0.69	>=0.20	ZNF259 (3.9)	DHODH (3.7)	TXNL4B (2.6)
0.69	>=0.20	SLC30A3 (2.5)	LPAL2 (2.0)	MAPK10 (2.0)
0.7	>=0.20	PLA2G6 (4.6)	ZNF408 (4.1)	HARBI1 (3.7)
0.7	>=0.20	CATSPER2 (2.7)	PLA2G6 (2.5)	EMILIN1 (2.3)
0.7	>=0.20	SOST (4.6)	BNC2 (2.9)	C8orf49 (2.3)

0.7 >=0.20	RFX4 (4.6)	DPYSL5 (4.3)	NCAN (3.5)
0.7 >=0.20	OST4 (3.1)	NOP58 (2.6)	FNBP4 (2.1)
0.7 >=0.20	PYY (7.5)	PPY (7.0)	TECTB (3.2)
0.7 >=0.20	AGBL5 (3.0)	PACSIN3 (2.9)	HDAC5 (2.6)
0.7 >=0.20	GMIP (2.9)	PPIP5K1 (2.4)	CHMP3 (2.3)
0.7 >=0.20	CBLC (5.7)	C1orf172 (4.2)	ENSG00000182319 (3
0.7 >=0.20	ARID1A (3.9)	KDM3A (3.4)	DHX38 (3.0)
0.7 >=0.20	TMEM214 (4.4)	PDIA3 (4.1)	TP53BP1 (4.0)
0.7 >=0.20	PTCD3 (2.8)	SUPT7L (2.7)	DHX38 (2.7)
0.7 >=0.20	BAZ1B (4.0)	WDR76 (3.6)	USP1 (3.4)
0.7 >=0.20	MYBPC3 (7.8)	TRIM54 (6.6)	FRMD5 (4.0)
0.7 >=0.20	REEP3 (3.0)	PCIF1 (2.9)	CLPTM1 (2.6)
0.7 >=0.20	FEN1 (4.0)	USP1 (3.3)	DDB2 (3.1)
0.7 >=0.20	TAGLN (4.7)	ARHGAP1 (3.0)	CHMP3 (2.7)
0.7 >=0.20	GPN2 (3.3)	GTF3C2 (2.9)	ZNF259 (2.6)
0.7 >=0.20	PCSK7 (3.3)	AFF1 (3.0)	GMIP (2.8)
0.7 >=0.20	RASIP1 (2.8)	FZD9 (2.8)	IZUMO1 (2.7)
0.7 >=0.20	COBLL1 (2.9)	PTPRJ (2.6)	PPIP5K1 (2.5)
0.7 >=0.20	CELF1 (3.0)	C8orf12 (2.7)	ATG4C (2.7)
0.7 >=0.20	CHMP3 (3.2)	GATAD2A (2.5)	FNDC4 (2.4)
0.7 >=0.20	TRIM54 (3.4)	CILP2 (3.2)	MAMSTR (2.8)
0.7 >=0.20	ZNF259 (3.9)	NOP58 (3.9)	TOMM40 (3.3)
0.7 >=0.20	TMEM214 (5.3)	TBL2 (5.0)	CGREF1 (3.5)
0.7 >=0.20	TMEM214 (5.3)	TBL2 (5.0)	CGREF1 (3.5)
0.7 >=0.20	BCL7B (3.9)	HDAC5 (2.9)	ENSG00000256731 (2
0.7 >=0.20	ABO (2.0)	C8orf12 (1.9)	SFN (1.7)
0.7 >=0.20	TXNL4B (3.6)	PREB (3.2)	GPN1 (3.2)
0.7 >=0.20	DDB2 (3.9)	NEIL2 (2.7)	ZNF408 (2.6)
0.7 >=0.20	FUT2 (5.8)	IZUMO1 (4.2)	ENSG00000257711 (3
0.7 >=0.20	PTPMT1 (3.4)	G6PC3 (3.0)	C2orf28 (3.0)
0.7 >=0.20	GPN1 (3.6)	EIF2B4 (3.2)	NRBP1 (2.9)
0.7 >=0.20	KANK2 (3.0)	DOCK7 (2.8)	ZNF664 (2.7)
0.7 >=0.20	REEP3 (3.9)	HAVCR1 (3.1)	CLPTM1 (2.2)
0.7 >=0.20	DDB2 (4.6)	PIGV (3.0)	HAVCR1 (3.0)
0.7 >=0.20	DDB2 (4.6)	PIGV (3.0)	HAVCR1 (3.0)
0.7 >=0.20	FNBP4 (3.1)	AFF1 (2.7)	BAZ1B (2.5)
0.7 >=0.20	ENSG00000253379 (3	TECTB (2.5)	SOST (2.4)
0.7 >=0.20	NDUFS3 (5.1)	IMMT (3.8)	C2orf28 (3.8)
0.7 >=0.20	AFF1 (4.0)	PBX4 (3.3)	PTPRJ (2.5)
0.7 >=0.20	KHK (3.4)	SIK3 (3.0)	EPB41L3 (2.8)
0.7 >=0.20	NAT2 (2.7)	BCL7B (2.7)	NRBP1 (2.6)
0.7 >=0.20	IZUMO1 (2.5)	PIGV (2.4)	NFE2L3 (2.4)
0.7 >=0.20	HDAC5 (2.5)	DOCK7 (2.4)	PPM1G (2.4)
0.7 >=0.20	BAZ1B (3.9)	USP1 (3.5)	ARID1A (3.1)
0.7 >=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.6)
0.7 >=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.6)
0.7 >=0.20	TAGLN (6.6)	ARHGAP1 (3.6)	KANK2 (3.1)
0.7 >=0.20	DNAJC5G (4.2)	PBX4 (2.5)	CCDC92 (2.2)
0.7 >=0.20	ZNF259 (4.6)	NOP58 (4.4)	POLR1A (4.2)
0.7 >=0.20	PGS1 (2.7)	NSMAF (2.6)	PYY (2.4)

0.7	>=0.20	MYBPC3 (7.1)	GATA4 (4.0)	BCAM (2.9)
0.7	>=0.20	DDB2 (3.4)	MPV17 (3.3)	KANK2 (2.5)
0.7	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	NDUFS3 (3.4)
0.7	>=0.20	PDIA3 (10.0)	CTSB (3.1)	C2orf28 (2.9)
0.7	>=0.20	ENSG00000234945 (3	CYP26A1 (2.7)	DNAJC5G (2.6)
0.7	>=0.20	MTCH2 (4.0)	NFE2L3 (3.0)	IMMT (2.9)
0.7	>=0.20	MRPL33 (3.8)	NDUFS3 (2.8)	OST4 (2.8)
0.7	>=0.20	BCAM (3.8)	PACSIN3 (3.0)	MAPRE3 (2.8)
0.7	>=0.20	GMIP (3.3)	BLK (3.0)	ACP2 (2.3)
0.7	>=0.20	TMEM214 (4.7)	C2orf28 (4.2)	ATP13A1 (4.1)
0.7	>=0.20	CYP26A1 (2.8)	PTPN13 (2.5)	DPYSL5 (2.4)
0.7	>=0.20	EIF3J (3.2)	CASC4 (2.8)	ARFGAP2 (2.7)
0.7	>=0.20	PPY (10.2)	PYY (3.9)	MLXIPL (2.9)
0.7	>=0.20	PCSK7 (3.8)	GMIP (2.9)	AFF1 (2.5)
0.71	>=0.20	DNAH10 (5.1)	ENSG00000223745 (2	ENSG00000255020 (2
0.71	>=0.20	MTCH2 (4.0)	EIF2B4 (3.8)	NFE2L3 (3.7)
0.71	>=0.20	TRIM54 (5.0)	MAMSTR (4.4)	PACSIN3 (3.3)
0.71	>=0.20	PCIF1 (3.5)	JMJD1C (3.3)	ARID1A (2.9)
0.71	>=0.20	FNDC4 (4.8)	COBLL1 (2.8)	ENSG00000223745 (2
0.71	>=0.20	GPN2 (3.8)	MTMR9 (3.0)	INTS10 (2.9)
0.71	>=0.20	ENSG00000223522 (2	ENSG00000236267 (2	KRTCAP3 (2.0)
0.71	>=0.20	ENSG00000253379 (4	JMJD1C (3.6)	ARID1A (3.1)
0.71	>=0.20	MTCH2 (3.8)	PPM1G (3.1)	GPN1 (2.8)
0.71	>=0.20	SUPT7L (2.7)	ATG13 (2.3)	DHX38 (2.2)
0.71	>=0.20	DPYSL5 (3.9)	RFX4 (3.2)	NCAN (2.9)
0.71	>=0.20	C2orf16 (3.6)	TIMD4 (2.7)	PBX4 (2.5)
0.71	>=0.20	UBXN2B (4.0)	MTF2 (2.9)	SPG11 (2.8)
0.71	>=0.20	SLC30A3 (2.5)	KLF14 (2.4)	LINC00208 (2.0)
0.71	>=0.20	TRIB1 (7.1)	MAFF (6.7)	CITED2 (5.3)
0.71	>=0.20	BLK (4.4)	DNAH10 (3.1)	ENSG00000235545 (2
0.71	>=0.20	ENSG00000256746 (2	C2orf16 (2.7)	FUT1 (2.7)
0.71	>=0.20	APOE (2.6)	PAFAH1B2 (2.6)	FUT2 (2.1)
0.71	>=0.20	TAGLN (2.9)	PPIP5K1 (2.9)	COBLL1 (2.6)
0.71	>=0.20	C1QTNF4 (3.4)	DPYSL5 (3.0)	MAP1A (2.8)
0.71	>=0.20	DHX38 (3.5)	ZNF259 (3.3)	INTS10 (3.2)
0.71	>=0.20	PTPN13 (4.1)	BNC2 (3.2)	SFN (2.6)
0.71	>=0.20	TRIB1 (3.6)	CITED2 (2.5)	MAFF (2.4)
0.71	>=0.20	PDIA3 (3.8)	SUMO1 (2.8)	TMED5 (2.7)
0.71	>=0.20	ABHD1 (3.7)	CGREF1 (3.2)	OST4 (2.8)
0.71	>=0.20	CHMP3 (3.5)	MADD (2.9)	NRBP1 (2.9)
0.71	>=0.20	BUD13 (3.5)	CELF1 (3.0)	MAU2 (2.7)
0.71	>=0.20	PLA2G6 (3.8)	ATG4C (3.7)	MADD (2.8)
0.71	>=0.20	HAPLN4 (5.1)	MAP1A (4.2)	CTSB (3.4)
0.71	>=0.20	CD300LG (2.9)	CMIP (2.6)	RASIP1 (2.5)
0.71	>=0.20	CD300LG (2.9)	CMIP (2.6)	RASIP1 (2.5)
0.71	>=0.20	FDFT1 (11.8)	FADS1 (10.4)	FADS2 (9.4)
0.71	>=0.20	MTCH2 (4.6)	NFE2L3 (3.7)	NDUFS3 (3.7)
0.71	>=0.20	ZNF335 (3.3)	ENSG00000179523 (2	ARFGAP2 (2.5)
0.71	>=0.20	POLR1A (3.2)	NUP160 (2.6)	BUD13 (2.4)
0.71	>=0.20	POLR1A (3.2)	NUP160 (2.6)	BUD13 (2.4)

0.71	>=0.20	C8orf49 (6.9)	GATA4 (3.0)	BNC2 (2.4)
0.71	>=0.20	WDR76 (4.8)	FEN1 (4.0)	DDB2 (3.8)
0.71	>=0.20	ENSG00000255020 (2	C8orf12 (2.4)	HAPLN4 (2.2)
0.71	>=0.20	FNBP4 (2.4)	PPM1G (2.4)	TMED5 (2.3)
0.71	>=0.20	TAGLN (4.0)	PDIA3 (3.5)	CITED2 (3.3)
0.71	>=0.20	TAGLN (4.0)	PDIA3 (3.5)	CITED2 (3.3)
0.71	>=0.20	TAGLN (3.4)	KANK2 (2.7)	NRBP1 (2.7)
0.71	>=0.20	C1orf172 (3.4)	C11orf9 (3.0)	BCAM (2.8)
0.71	>=0.20	OST4 (2.9)	NOP58 (2.6)	FNBP4 (1.9)
0.71	>=0.20	TAGLN (4.1)	KANK2 (3.5)	GATAD2A (2.7)
0.71	>=0.20	CHMP3 (3.2)	GATAD2A (2.4)	CTDSPL2 (2.3)
0.71	>=0.20	ENSG00000223745 (3	REEP3 (2.8)	CD300LG (2.6)
0.71	>=0.20	DPYSL5 (4.8)	ENSG00000235545 (3	PBX4 (2.8)
0.71	>=0.20	ENSG00000257711 (2	CSGALNACT1 (2.4)	C8orf12 (2.1)
0.71	>=0.20	MTCH2 (4.5)	NFE2L3 (3.8)	EIF2B4 (3.5)
0.71	>=0.20	DPYSL5 (3.2)	ENSG00000182329 (3	PAFAH1B2 (2.2)
0.71	>=0.20	FUT1 (2.1)	ZNF408 (2.1)	APOC1 (1.8)
0.71	>=0.20	FEN1 (2.7)	CHMP3 (2.4)	CKAP5 (2.3)
0.71	>=0.20	ENSG00000234945 (3	BCAM (2.7)	ENSG00000179523 (2
0.71	>=0.20	PMFBP1 (3.9)	SLC30A3 (3.3)	TSSK6 (2.4)
0.71	>=0.20	MPP2 (3.3)	MAP1A (3.1)	HAPLN4 (2.8)
0.71	>=0.20	ARFGAP2 (4.1)	CKAP5 (3.9)	MADD (3.1)
0.71	>=0.20	ENSG00000182329 (2	TECTB (2.0)	SFN (2.0)
0.71	>=0.20	SLC5A6 (2.9)	CETP (2.4)	PBX4 (2.4)
0.71	>=0.20	EIF3J (2.9)	ANGPTL3 (2.1)	NSMAF (2.1)
0.71	>=0.20	GPN1 (3.3)	NRBP1 (2.5)	MRPL35 (2.4)
0.71	>=0.20	ENSG00000256746 (3	ABO (3.3)	PPY (3.2)
0.71	>=0.20	KLF14 (3.1)	ENSG00000179523 (1	BCL7B (1.8)
0.71	>=0.20	TXNL4B (4.1)	GPN1 (3.0)	PTPMT1 (3.0)
0.71	>=0.20	CSGALNACT1 (2.4)	C17orf105 (2.1)	ENSG00000257711 (2
0.71	>=0.20	GPN2 (2.9)	DR1 (2.5)	DHODH (2.4)
0.71	>=0.20	REEP1 (3.3)	CLPTM1 (2.9)	MAPRE3 (2.9)
0.71	>=0.20	DOCK6 (3.1)	CBLC (3.0)	NCAN (3.0)
0.71	>=0.20	DPYSL5 (2.7)	FRMD5 (2.6)	ENSG00000182329 (2
0.71	>=0.20	PYY (3.4)	TDH (3.4)	TRIB1 (2.1)
0.71	>=0.20	BLK (4.4)	GMIP (4.1)	ZDHHC18 (3.1)
0.71	>=0.20	CHMP3 (4.8)	ZNF513 (3.5)	PGS1 (3.2)
0.71	>=0.20	UCN (2.8)	ENSG00000223745 (2	ENSG00000256746 (2
0.71	>=0.20	WDR76 (5.7)	FEN1 (3.8)	LPAR2 (3.0)
0.71	>=0.20	ZNF408 (3.6)	PTPMT1 (2.7)	NRBF2 (2.7)
0.71	>=0.20	AMBRA1 (2.8)	MFAP1 (2.6)	DOCK7 (2.6)
0.71	>=0.20	DPYSL5 (3.9)	MPP3 (3.4)	MPP2 (2.3)
0.71	>=0.20	ZNF259 (4.2)	NOP58 (3.8)	EIF3J (3.3)
0.71	>=0.20	BCL7B (3.2)	USP1 (3.1)	BAZ1B (2.8)
0.72	>=0.20	NSMAF (2.5)	ENSG00000226645 (1	C8orf12 (1.8)
0.72	>=0.20	MPP2 (3.0)	MADD (2.7)	ATG4C (2.6)
0.72	>=0.20	MADD (3.7)	ARHGAP1 (3.7)	PCSK7 (3.4)
0.72	>=0.20	ZNF408 (3.0)	SUMO1 (3.0)	BUD13 (2.9)
0.72	>=0.20	TMEM101 (2.2)	ENSG00000223745 (2	DNAH10 (2.1)
0.72	>=0.20	DR1 (3.8)	ZNF664 (3.0)	ARID1A (2.7)

0.72	>=0.20	CBLC (3.5)	FUT2 (3.5)	C1orf172 (3.0)
0.72	>=0.20	TP53BP1 (2.9)	CCDC18 (2.9)	MTF2 (2.5)
0.72	>=0.20	TXNL4B (4.5)	GPN1 (4.1)	BRE (3.6)
0.72	>=0.20	DUSP3 (3.5)	NRBF2 (3.1)	C11orf9 (2.9)
0.72	>=0.20	BCL7B (3.0)	NUP160 (2.8)	DR1 (2.8)
0.72	>=0.20	REEP3 (2.8)	BLK (2.5)	APOE (2.2)
0.72	>=0.20	TMEM175 (4.7)	TMEM101 (4.7)	G6PC3 (4.1)
0.72	>=0.20	PDIA3 (3.6)	C2orf28 (2.8)	HAVCR1 (2.7)
0.72	>=0.20	BLK (3.0)	ZDHHC18 (2.8)	PCSK7 (2.6)
0.72	>=0.20	CYP26A1 (3.3)	LRP4 (3.1)	ENSG00000235545 (2
0.72	>=0.20	TRIM54 (8.1)	MYBPC3 (7.6)	PACSIN3 (3.9)
0.72	>=0.20	DOCK6 (2.8)	ENSG00000182319 (2	FGF21 (2.6)
0.72	>=0.20	PPY (4.9)	SLC30A3 (2.6)	CMIP (2.3)
0.72	>=0.20	DPYSL5 (3.0)	BCAM (2.8)	RFX4 (2.6)
0.72	>=0.20	IMMT (4.5)	PDIA3 (3.3)	MYBPC3 (3.1)
0.72	>=0.20	RFX4 (3.1)	MAPRE3 (3.0)	FZD9 (2.9)
0.72	>=0.20	WDR76 (2.9)	DDB2 (2.6)	BMPR2 (2.1)
0.72	>=0.20	BCAM (3.3)	GPAM (2.6)	PLA2G6 (2.6)
0.72	>=0.20	LINC00208 (2.8)	SLC30A3 (2.4)	C8orf49 (2.3)
0.72	>=0.20	MTF2 (3.5)	JMJD1C (2.3)	DNAJC5G (2.3)
0.72	>=0.20	SIK3 (3.1)	PIGV (3.0)	MAFF (2.7)
0.72	>=0.20	BMPR2 (4.6)	RSPO3 (3.8)	BNC2 (2.5)
0.72	>=0.20	SOST (3.3)	ENSG00000256746 (2	DNAH10 (2.6)
0.72	>=0.20	TMEM101 (2.5)	CGREF1 (2.4)	SOST (2.3)
0.72	>=0.20	NDUFS3 (5.6)	MRPL33 (5.1)	OST4 (4.3)
0.72	>=0.20	STRC (2.6)	ENSG00000222035 (2	PAFAH1B2 (2.4)
0.72	>=0.20	BCL7B (4.6)	PCSK7 (3.5)	BUD13 (3.3)
0.72	>=0.20	DNAH10 (3.8)	EMILIN1 (2.7)	ENSG00000222035 (2
0.72	>=0.20	FAM167A (4.9)	TECTB (4.1)	ENSG00000255020 (2
0.72	>=0.20	ENSG00000200241 (2	TDH (2.4)	ENSG00000234945 (2
0.72	>=0.20	C8orf49 (6.8)	MYBPC3 (3.5)	SOST (3.5)
0.72	>=0.20	KLF14 (3.4)	CILP2 (2.5)	ENSG00000256731 (2
0.72	>=0.20	NOP58 (4.0)	OST4 (3.1)	NSMAF (2.6)
0.72	>=0.20	ARID1A (3.2)	ZNF512 (2.9)	DOCK7 (2.7)
0.72	>=0.20	GALNT2 (3.3)	BNC2 (3.1)	MAMSTR (2.8)
0.72	>=0.20	C8orf49 (6.2)	GATA4 (3.1)	ABO (2.3)
0.72	>=0.20	OST4 (3.5)	FNBP4 (2.1)	NSMAF (2.0)
0.72	>=0.20	OST4 (3.5)	FNBP4 (2.1)	NSMAF (2.0)
0.72	>=0.20	ENSG00000253379 (3	PPY (2.2)	NSMAF (2.0)
0.72	>=0.20	DR1 (3.4)	PVRL2 (3.1)	C11orf9 (3.1)
0.72	>=0.20	NRBP1 (2.8)	ENSG00000256746 (2	ZNF664 (2.6)
0.72	>=0.20	SFN (2.9)	ZNF512 (2.7)	ZNF664 (2.3)
0.72	>=0.20	ZNF259 (3.0)	NOP58 (3.0)	GPN1 (2.8)
0.72	>=0.20	MYBPC3 (8.4)	TRIM54 (5.8)	FRMD5 (5.0)
0.72	>=0.20	AGBL2 (2.9)	PACSIN3 (2.6)	IMMT (2.0)
0.72	>=0.20	NAT2 (4.7)	APOA4 (4.2)	TM6SF2 (3.2)
0.72	>=0.20	PDIA3 (6.1)	TMEM214 (5.6)	LINC00208 (3.9)
0.72	>=0.20	APOA4 (3.5)	SFN (2.6)	LRP4 (2.5)
0.72	>=0.20	FZD9 (2.7)	DPYSL5 (2.7)	PTPN13 (2.6)
0.72	>=0.20	CLPTM1 (3.3)	ARHGAP1 (3.0)	BRE (2.8)

0.72	>=0.20	RFX4 (3.4)	NCAN (2.8)	C11orf9 (2.4)
0.72	>=0.20	MRPL35 (4.1)	TOMM40 (2.9)	NOP58 (2.8)
0.72	>=0.20	AGBL2 (5.0)	C11orf49 (4.9)	IFT172 (3.8)
0.72	>=0.20	PDIA3 (3.6)	TAGLN (3.2)	ARHGAP1 (3.0)
0.72	>=0.20	NEIL2 (3.3)	TXNL4B (2.7)	NAGS (2.1)
0.72	>=0.20	SDC1 (3.4)	FDFT1 (2.3)	CILP2 (2.2)
0.72	>=0.20	MYBPC3 (4.9)	C8orf49 (4.1)	SLC30A3 (3.4)
0.72	>=0.20	C1orf172 (3.2)	KRTCAP3 (2.9)	CCDC92 (2.7)
0.72	>=0.20	C11orf49 (4.3)	PTPN13 (4.2)	IFT172 (2.9)
0.72	>=0.20	OST4 (4.9)	NOP58 (2.8)	ZNF259 (2.5)
0.72	>=0.20	CYP26A1 (3.1)	DPYSL5 (2.9)	HAVCR1 (2.8)
0.72	>=0.20	DR1 (3.9)	ARID1A (3.4)	BAZ1B (3.0)
0.72	>=0.20	UCN (3.0)	PMFBP1 (2.5)	ABO (2.1)
0.72	>=0.20	AGBL5 (2.6)	ARID1A (2.6)	C11orf49 (2.5)
0.72	>=0.20	C8orf12 (1.8)	ENSG00000254235 (1	SFN (1.7)
0.73	>=0.20	SFN (3.4)	SDCBP (2.8)	MAFF (2.7)
0.73	>=0.20	ATG4C (3.8)	ENSG00000226645 (3	ZNF335 (2.5)
0.73	>=0.20	CD300LG (3.5)	GMIP (2.6)	ARHGAP1 (2.2)
0.73	>=0.20	NOP58 (3.5)	BAZ1B (2.9)	FEN1 (2.3)
0.73	>=0.20	CCDC18 (3.7)	ENSG00000257711 (3	RASIP1 (3.2)
0.73	>=0.20	MTF2 (2.7)	DNAJC5G (2.5)	MAMSTR (2.5)
0.73	>=0.20	ENSG00000256731 (3	CYP26A1 (1.9)	KANK2 (1.8)
0.73	>=0.20	PCSK7 (4.5)	TMEM214 (3.0)	INTS10 (3.0)
0.73	>=0.20	HAVCR1 (3.4)	DNAH10 (2.9)	REEP3 (2.8)
0.73	>=0.20	NRBP1 (3.2)	ENSG00000223522 (2	ARFGAP2 (2.8)
0.73	>=0.20	CAD (3.1)	GPN2 (2.7)	NUP160 (2.6)
0.73	>=0.20	OST4 (2.6)	NSMAF (2.5)	NOP58 (2.4)
0.73	>=0.20	STRC (2.8)	C17orf105 (2.5)	PBX4 (2.5)
0.73	>=0.20	MTCH2 (3.9)	SNX17 (3.7)	NRBP1 (3.7)
0.73	>=0.20	TMEM214 (4.3)	TBL2 (3.6)	PDIA3 (3.2)
0.73	>=0.20	TMEM214 (7.6)	PREB (5.7)	TBL2 (5.4)
0.73	>=0.20	EIF3J (3.8)	ZNF259 (3.2)	ATP13A1 (2.8)
0.73	>=0.20	TRIB1 (5.9)	MAFF (4.5)	CITED2 (3.8)
0.73	>=0.20	MRPL33 (3.7)	CAD (2.5)	INTS10 (2.5)
0.73	>=0.20	MRPL33 (3.7)	CAD (2.5)	INTS10 (2.5)
0.73	>=0.20	NRBF2 (4.2)	TMEM214 (3.9)	TBL2 (3.2)
0.73	>=0.20	DUSP3 (2.4)	HDAC5 (2.3)	ENSG00000235545 (2
0.73	>=0.20	PDIA3 (3.7)	TMEM214 (2.7)	NRBP1 (2.4)
0.73	>=0.20	C2orf16 (2.5)	KANK2 (2.3)	FUT1 (2.2)
0.73	>=0.20	JMJD1C (3.2)	TSSK6 (2.4)	SIK3 (2.3)
0.73	>=0.20	TRIM54 (3.0)	TAGLN (2.9)	BCAM (2.6)
0.73	>=0.20	DPYSL5 (4.1)	PTPN13 (3.2)	RFX4 (2.1)
0.73	>=0.20	EIF3J (3.5)	NFE2L3 (3.0)	MTCH2 (3.0)
0.73	>=0.20	BCAM (3.2)	MPP2 (2.4)	CYP26A1 (2.4)
0.73	>=0.20	FNBP4 (3.8)	INTS10 (3.7)	NEIL2 (2.8)
0.73	>=0.20	ARID1A (3.7)	JMJD1C (3.0)	AFF1 (2.6)
0.73	>=0.20	BRE (3.9)	SNX17 (3.6)	TXNL4B (3.5)
0.73	>=0.20	BNC2 (3.0)	ENSG00000179523 (2	IZUMO1 (2.4)
0.73	>=0.20	CILP2 (3.5)	MYBPC3 (3.0)	SFN (2.7)
0.73	>=0.20	ATG4C (2.8)	MPV17 (2.6)	ENSG00000236827 (2

0.73	>=0.20	MFAP1 (3.3)	NUP160 (3.2)	DR1 (3.0)
0.73	>=0.20	PTPRJ (2.8)	ENSG00000182319 (2	MPP2 (2.0)
0.73	>=0.20	BMPR2 (3.4)	KDM3A (2.7)	PTPRJ (2.5)
0.73	>=0.20	ENSG00000253379 (4	FUT2 (2.8)	FZD9 (2.7)
0.73	>=0.20	ARID1A (2.8)	MAMSTR (2.7)	CMIP (2.4)
0.73	>=0.20	TMEM175 (3.8)	CKAP5 (3.8)	DNAH10 (2.5)
0.73	>=0.20	TOMM40 (3.6)	NOP58 (3.2)	POLR1A (3.1)
0.73	>=0.20	SLC30A3 (4.6)	MPP2 (2.9)	TRNP1 (2.9)
0.73	>=0.20	PTPN13 (2.5)	AGBL2 (2.1)	STRC (2.0)
0.73	>=0.20	WDR76 (5.1)	FEN1 (5.0)	USP1 (4.2)
0.73	>=0.20	PDIA3 (2.8)	NCAN (2.7)	ACP2 (2.3)
0.73	>=0.20	NUP160 (3.7)	INTS10 (3.1)	GPN1 (2.9)
0.73	>=0.20	MTCH2 (4.4)	NFE2L3 (3.7)	EIF2B4 (3.7)
0.73	>=0.20	ENSG00000200241 (2	SUGP1 (2.8)	EIF2B4 (2.8)
0.73	>=0.20	DNAJC5G (3.3)	MAMSTR (2.7)	BNC2 (2.7)
0.73	>=0.20	C8orf49 (6.5)	NR0B2 (4.6)	APOA4 (4.1)
0.73	>=0.20	ENSG00000256746 (3	ENSG00000222035 (3	FUT1 (2.6)
0.73	>=0.20	LINC00208 (2.4)	MTMR9 (2.3)	HDAC5 (1.9)
0.73	>=0.20	BCAM (2.6)	EPB41L3 (2.5)	ABHD1 (2.4)
0.73	>=0.20	NDUFS3 (5.8)	MRPL33 (4.7)	MRPL35 (4.7)
0.73	>=0.20	ACP2 (3.3)	NR1H3 (3.3)	CTSB (2.3)
0.73	>=0.20	PDIA3 (4.8)	HARBI1 (2.7)	ZNF408 (2.7)
0.73	>=0.20	EMILIN1 (7.8)	TAGLN (5.0)	APOE (3.2)
0.73	>=0.20	HAVCR1 (4.0)	MPV17 (3.1)	C1QTNF4 (2.3)
0.73	>=0.20	CAD (2.7)	CKAP5 (2.6)	NRBP1 (2.6)
0.73	>=0.20	SLC30A3 (3.5)	RFX4 (2.5)	DNAJC5G (2.1)
0.73	>=0.20	CSGALNACT1 (3.4)	ENSG00000257711 (2	STRC (1.9)
0.73	>=0.20	GPN2 (3.3)	ZNF259 (3.3)	MRPL33 (3.1)
0.73	>=0.20	RIC8B (3.5)	NRBP1 (2.5)	EPB41L3 (2.4)
0.73	>=0.20	MRPL35 (6.6)	NDUFS3 (4.4)	MRPL33 (4.1)
0.73	>=0.20	MRPL35 (6.6)	NDUFS3 (4.4)	MRPL33 (4.1)
0.73	>=0.20	DHX38 (4.5)	GPN2 (3.4)	SUGP1 (3.3)
0.73	>=0.20	DDB2 (2.9)	NFE2L3 (2.4)	SUMO1 (2.2)
0.73	>=0.20	DDB2 (2.9)	NFE2L3 (2.4)	SUMO1 (2.2)
0.73	>=0.20	BNC2 (4.9)	FZD9 (3.5)	RSPO3 (2.8)
0.73	>=0.20	SUGP1 (3.5)	MRPL33 (2.9)	DHX38 (2.5)
0.73	>=0.20	RSPO3 (3.6)	NRBF2 (2.5)	MAPK10 (2.4)
0.73	>=0.20	DPYSL5 (3.5)	FZD9 (3.0)	RFX4 (2.8)
0.73	>=0.20	ENSG00000182319 (3	HAPLN4 (3.0)	SIK3 (2.1)
0.73	>=0.20	GALNT2 (2.9)	ARHGAP1 (2.3)	TRIM54 (2.3)
0.73	>=0.20	BLK (3.0)	PBX4 (2.8)	ZDHHC18 (2.8)
0.73	>=0.20	MTCH2 (4.3)	NFE2L3 (3.9)	NDUFS3 (3.3)
0.73	>=0.20	BCL7B (3.3)	NEIL2 (2.9)	BAZ1B (2.7)
0.74	>=0.20	KHK (3.2)	PIGV (3.1)	FADS1 (2.8)
0.74	>=0.20	FEN1 (3.2)	WDR76 (3.1)	DDB2 (2.3)
0.74	>=0.20	SLC30A3 (4.1)	MAPRE3 (3.1)	MPP2 (2.9)
0.74	>=0.20	MAPRE3 (3.2)	CTSB (3.1)	MPV17 (3.0)
0.74	>=0.20	OST4 (3.5)	NOP58 (2.3)	FNBP4 (2.2)
0.74	>=0.20	CGREF1 (5.0)	FAM167A (2.7)	LRP4 (2.6)
0.74	>=0.20	GPN2 (3.3)	DR1 (3.3)	BCL7B (3.0)

0.74 >=0.20	C11orf9 (2.4)	ARHGAP1 (2.2)	PAFAH1B2 (2.1)
0.74 >=0.20	HARBI1 (3.7)	ABHD1 (2.7)	NAGS (2.6)
0.74 >=0.20	HARBI1 (3.7)	ABHD1 (2.7)	NAGS (2.6)
0.74 >=0.20	CHMP3 (3.4)	MPV17 (3.2)	DUSP3 (2.9)
0.74 >=0.20	CTDSPL2 (3.3)	NUP160 (3.2)	BUD13 (2.8)
0.74 >=0.20	DR1 (3.4)	MTF2 (3.1)	BCL7B (3.0)
0.74 >=0.20	NSMAF (2.2)	C2orf53 (2.1)	ZDHHC18 (2.0)
0.74 >=0.20	PREB (2.8)	DHODH (2.7)	CAD (2.6)
0.74 >=0.20	BUD13 (3.0)	GPN1 (2.8)	POLR1A (2.8)
0.74 >=0.20	SPG11 (4.3)	DHX38 (3.9)	ATP13A1 (3.5)
0.74 >=0.20	MTCH2 (3.8)	NFE2L3 (3.3)	NDUFS3 (2.8)
0.74 >=0.20	EIF3J (4.0)	TMED5 (3.5)	PREB (3.0)
0.74 >=0.20	PCSK7 (4.1)	TRNP1 (3.5)	C17orf105 (2.9)
0.74 >=0.20	FUT2 (4.8)	APOA4 (4.4)	C1orf172 (3.2)
0.74 >=0.20	MRPL33 (3.2)	MFAP1 (3.0)	SUMO1 (2.9)
0.74 >=0.20	TP53BP1 (3.4)	SDCBP (2.7)	ENSG00000179523 (2
0.74 >=0.20	NRBP1 (3.3)	EIF2B4 (3.2)	IMMT (2.9)
0.74 >=0.20	CCDC92 (3.5)	EPB41L3 (3.0)	C11orf49 (2.8)
0.74 >=0.20	UCN (2.7)	PTPMT1 (2.4)	TMEM101 (2.4)
0.74 >=0.20	MTCH2 (3.5)	IMMT (3.1)	PAFAH1B2 (2.7)
0.74 >=0.20	CAD (2.9)	ZNF512 (2.6)	TOMM40 (2.6)
0.74 >=0.20	MFAP1 (3.4)	DR1 (3.3)	BCL7B (2.9)
0.74 >=0.20	EMILIN1 (2.2)	IZUMO1 (2.2)	RSPO3 (2.2)
0.74 >=0.20	ENSG00000236827 (2	ENSG00000256746 (2	PBX4 (2.2)
0.74 >=0.20	PTPN13 (2.8)	SDC1 (2.6)	C1orf172 (2.3)
0.74 >=0.20	BNC2 (3.0)	ENSG00000235545 (2	PTPN13 (2.7)
0.74 >=0.20	EMILIN1 (4.2)	TAGLN (3.3)	EPB41L3 (2.5)
0.74 >=0.20	BNC2 (4.5)	FZD9 (3.8)	RSPO3 (2.9)
0.74 >=0.20	PBX4 (3.1)	BLK (2.3)	GMIP (2.2)
0.74 >=0.20	DNAJC5G (2.6)	PDIA3 (2.3)	BAZ1B (2.1)
0.74 >=0.20	NDUFS3 (5.2)	MRPL33 (5.2)	MRPL35 (4.2)
0.74 >=0.20	OST4 (3.6)	NOP58 (2.3)	UCN (2.0)
0.74 >=0.20	OST4 (3.6)	NOP58 (2.3)	UCN (2.0)
0.74 >=0.20	CTSB (3.0)	FUT2 (2.7)	SDC1 (1.9)
0.74 >=0.20	IZUMO1 (3.4)	LPL (2.9)	HP (2.8)
0.74 >=0.20	MTCH2 (4.4)	NFE2L3 (3.5)	NDUFS3 (2.7)
0.74 >=0.20	OST4 (5.1)	MRPL33 (4.8)	NDUFS3 (4.2)
0.74 >=0.20	CHMP3 (2.8)	MPV17 (2.8)	DUSP3 (2.7)
0.74 >=0.20	TDH (2.1)	AGBL5 (2.1)	LINC00208 (2.1)
0.74 >=0.20	MAPK10 (3.3)	PTPN13 (2.7)	ENSG00000182329 (2
0.74 >=0.20	SDC1 (2.7)	PTPN13 (2.6)	CBLC (2.6)
0.74 >=0.20	SDCBP (3.0)	ZNF512 (2.6)	ENSG00000182319 (2
0.74 >=0.20	TSSK6 (2.6)	HAVCR1 (2.5)	UCN (2.3)
0.74 >=0.20	PBX4 (3.0)	BCL3 (2.6)	IZUMO1 (2.5)
0.74 >=0.20	ZNF664 (2.9)	MAPRE3 (2.5)	ARHGAP1 (2.4)
0.74 >=0.20	MPP3 (3.2)	DUSP3 (2.9)	BNC2 (2.6)
0.74 >=0.20	MTCH2 (4.3)	NFE2L3 (3.6)	EIF2B4 (3.6)
0.74 >=0.20	NDUFS3 (4.5)	PTPMT1 (4.0)	MRPL33 (3.1)
0.74 >=0.20	TMEM175 (3.3)	TMED5 (3.1)	IGF2R (3.0)
0.74 >=0.20	TAGLN (3.9)	SDCBP (3.6)	NRBP1 (3.2)

0.74	>=0.20	SFN (6.7)	PMFBP1 (2.7)	FUT1 (2.5)
0.74	>=0.20	MTCH2 (4.1)	NFE2L3 (3.3)	NDUFS3 (3.2)
0.74	>=0.20	BLK (3.0)	GALNT2 (2.4)	IZUMO1 (2.1)
0.74	>=0.20	MFAP1 (4.1)	DR1 (3.1)	MTF2 (3.0)
0.74	>=0.20	UCN (2.7)	PLA2G6 (2.6)	MAPRE3 (2.3)
0.74	>=0.20	PDIA3 (2.9)	ENSG00000236827 (2	ATP13A1 (1.7)
0.74	>=0.20	ARID1A (3.3)	DR1 (2.6)	LSM12 (2.6)
0.74	>=0.20	MTCH2 (4.3)	NFE2L3 (3.7)	EIF2B4 (3.6)
0.74	>=0.20	OST4 (2.9)	CELF1 (2.9)	SUMO1 (2.7)
0.74	>=0.20	TOMM40 (2.6)	PDIA3 (2.6)	INTS10 (2.3)
0.74	>=0.20	ENSG00000222035 (2	GMIP (2.5)	IZUMO1 (2.4)
0.74	>=0.20	ENSG00000222035 (2	GMIP (2.5)	IZUMO1 (2.4)
0.74	>=0.20	TM6SF2 (4.0)	KHK (3.6)	APOA4 (3.6)
0.74	>=0.20	SUMO1 (3.2)	TXNL4B (3.1)	UBXN2B (3.0)
0.74	>=0.20	TAGLN (5.8)	CCDC121 (2.9)	KANK2 (2.2)
0.74	>=0.20	NDUFS3 (6.0)	MRPL33 (4.2)	MRPL35 (4.1)
0.74	>=0.20	PCSK7 (3.1)	AFF1 (2.9)	FUT1 (2.8)
0.74	>=0.20	RFX4 (5.0)	FAM167A (3.8)	MPP3 (3.5)
0.74	>=0.20	DHODH (2.1)	PTPMT1 (2.0)	BNC2 (2.0)
0.74	>=0.20	CELF1 (3.7)	ZNF664 (2.7)	FNBP4 (2.5)
0.74	>=0.20	CELF1 (3.7)	ZNF664 (2.7)	FNBP4 (2.5)
0.74	>=0.20	KRTCAP3 (3.8)	C1orf172 (3.2)	ENSG00000254235 (2
0.74	>=0.20	PPM1G (2.9)	AGBL2 (2.6)	BRE (2.5)
0.74	>=0.20	TMEM214 (4.1)	PREB (3.0)	DHX38 (2.6)
0.75	>=0.20	MTCH2 (3.9)	EIF2B4 (3.7)	NFE2L3 (3.4)
0.75	>=0.20	MAP1A (2.8)	MPP2 (2.6)	TRNP1 (2.5)
0.75	>=0.20	NOP58 (3.4)	TOMM40 (3.2)	ZNF259 (2.7)
0.75	>=0.20	PPM1G (3.9)	IMMT (3.8)	SNX17 (3.4)
0.75	>=0.20	TECTB (3.8)	FZD9 (3.0)	RFX4 (3.0)
0.75	>=0.20	NUP160 (3.7)	CAD (3.7)	POLR1A (3.6)
0.75	>=0.20	NUP160 (3.7)	CAD (3.7)	POLR1A (3.6)
0.75	>=0.20	RIC8B (2.8)	PPIP5K1 (2.8)	PGS1 (2.7)
0.75	>=0.20	PBX4 (3.3)	ENSG00000236827 (2	ARFGAP2 (2.5)
0.75	>=0.20	BCAM (3.4)	HAVCR1 (2.8)	C11orf9 (2.7)
0.75	>=0.20	BCAM (3.4)	HAVCR1 (2.8)	C11orf9 (2.7)
0.75	>=0.20	POLR1A (3.1)	NUP160 (2.6)	BUD13 (2.5)
0.75	>=0.20	IMMT (1.9)	ENSG00000226645 (1	ENSG00000235545 (1
0.75	>=0.20	ZDHHC18 (4.3)	BLK (3.6)	PBX4 (2.1)
0.75	>=0.20	SUMO1 (3.5)	NOP58 (3.3)	DHX38 (3.2)
0.75	>=0.20	ABO (1.9)	C2orf16 (1.8)	CYP7A1 (1.8)
0.75	>=0.20	PBX4 (3.4)	BLK (2.9)	ENSG00000236267 (2
0.75	>=0.20	MAPK10 (3.7)	RFX4 (3.4)	DPYSL5 (2.7)
0.75	>=0.20	OST4 (4.0)	MRPL33 (4.0)	MPV17 (3.1)
0.75	>=0.20	ATG4C (3.1)	REEP3 (3.1)	CCDC121 (2.8)
0.75	>=0.20	MTCH2 (3.8)	IMMT (3.8)	TOMM40 (3.4)
0.75	>=0.20	AFF1 (3.2)	PCSK7 (3.1)	DOCK6 (2.4)
0.75	>=0.20	CCDC92 (3.5)	TRNP1 (2.7)	HAPLN4 (2.6)
0.75	>=0.20	SDC1 (2.7)	BCAM (2.5)	SFN (2.4)
0.75	>=0.20	PBX4 (2.7)	ENSG00000235545 (2	ENSG00000257711 (2
0.75	>=0.20	MTF2 (2.6)	USP1 (2.5)	FEN1 (2.5)

0.75	>=0.20	OST4 (4.7)	PGS1 (2.2)	ENSG00000223522 (2
0.75	>=0.20	WDR76 (4.2)	BAZ1B (3.4)	FEN1 (3.0)
0.75	>=0.20	DR1 (3.0)	ARID1A (2.7)	ZNF664 (2.4)
0.75	>=0.20	DPYSL5 (3.2)	CYP26A1 (2.8)	DNAH10 (2.6)
0.75	>=0.20	TAGLN (4.8)	TRIM54 (4.4)	ANGPTL3 (3.9)
0.75	>=0.20	MTCH2 (4.3)	NFE2L3 (3.7)	EIF2B4 (3.6)
0.75	>=0.20	PTCD3 (3.6)	LSM12 (2.8)	FNBP4 (2.8)
0.75	>=0.20	BLK (8.4)	GMIP (4.2)	ZDHHC18 (3.2)
0.75	>=0.20	PCSK7 (3.9)	TRNP1 (3.5)	C17orf105 (3.1)
0.75	>=0.20	ZNF513 (2.8)	SIK3 (1.9)	GMIP (1.9)
0.75	>=0.20	CSGALNACT1 (4.2)	MAFF (2.5)	BCL3 (2.2)
0.75	>=0.20	UCN (3.0)	PMFBP1 (2.4)	ENSG00000255020 (2
0.75	>=0.20	FUT2 (3.1)	SDCBP (3.1)	CHMP3 (2.7)
0.75	>=0.20	GPN2 (3.7)	MTMR9 (3.4)	INTS10 (3.3)
0.75	>=0.20	FDFT1 (7.6)	FADS1 (6.1)	FADS2 (5.1)
0.75	>=0.20	PVRL2 (2.5)	PCIF1 (2.4)	C8orf12 (2.4)
0.75	>=0.20	MYBPC3 (6.4)	GATA4 (4.9)	RASIP1 (3.8)
0.75	>=0.20	UCN (2.5)	CCDC121 (2.4)	AGBL2 (2.4)
0.75	>=0.20	MADD (4.2)	MPP2 (4.0)	MAP1A (3.9)
0.75	>=0.20	SUMO1 (3.0)	INTS10 (2.9)	BUD13 (2.6)
0.75	>=0.20	TECTB (4.9)	FAM167A (2.9)	FZD9 (2.7)
0.75	>=0.20	NSMAF (3.2)	HAPLN4 (2.5)	ABO (2.2)
0.75	>=0.20	CKAP5 (4.5)	TMEM175 (3.9)	CCDC18 (2.9)
0.75	>=0.20	ENSG00000234945 (2	COBLL1 (2.1)	ENSG00000236267 (2
0.75	>=0.20	PYY (3.3)	PPY (2.7)	DNAH10 (2.5)
0.75	>=0.20	ZNF335 (3.4)	ATP13A1 (2.7)	MTCH2 (2.5)
0.75	>=0.20	MAU2 (3.1)	DNAH10 (2.8)	IZUMO1 (2.3)
0.75	>=0.20	PCSK7 (3.6)	AFF1 (2.8)	BUD13 (2.6)
0.75	>=0.20	KRTCAP3 (3.8)	C1orf172 (3.1)	COBLL1 (2.9)
0.75	>=0.20	KRTCAP3 (2.5)	HARBI1 (2.4)	TECTB (2.4)
0.75	>=0.20	KHK (6.4)	TM6SF2 (4.5)	APOA4 (3.8)
0.75	>=0.20	FDFT1 (5.4)	FADS1 (5.4)	FADS2 (5.2)
0.75	>=0.20	FDFT1 (5.4)	FADS1 (5.4)	FADS2 (5.2)
0.75	>=0.20	ENSG00000234945 (2	ENSG00000182319 (2	LPAR2 (2.2)
0.75	>=0.20	NEIL2 (2.9)	TMEM101 (2.5)	ENSG00000255020 (2
0.75	>=0.20	UCN (2.8)	PMFBP1 (2.6)	PPY (2.1)
0.75	>=0.20	UCN (2.8)	PMFBP1 (2.6)	PPY (2.1)
0.75	>=0.20	MAP1A (4.4)	CCDC92 (3.1)	C11orf49 (2.7)
0.75	>=0.20	MPP2 (3.2)	SLC30A3 (2.7)	CELF1 (2.7)
0.75	>=0.20	ARID1A (3.1)	HDAC5 (2.8)	LSM12 (2.6)
0.75	>=0.20	DPYSL5 (3.8)	DOCK7 (2.9)	CCDC121 (2.3)
0.75	>=0.20	TRNP1 (3.3)	HDAC5 (2.8)	ENSG00000236827 (2
0.75	>=0.20	NDUFS3 (6.1)	IMMT (4.3)	MRPL35 (3.6)
0.75	>=0.20	CILP2 (2.8)	CSGALNACT1 (2.6)	BMPR2 (2.5)
0.75	>=0.20	TMEM214 (7.3)	PREB (5.0)	ATG13 (4.3)
0.75	>=0.20	MAMSTR (4.7)	PACSIN3 (3.8)	TRIM54 (3.7)
0.75	>=0.20	EIF3J (3.5)	PTCD3 (3.2)	TOMM40 (3.1)
0.75	>=0.20	MAU2 (3.5)	MAP1A (3.0)	SNX17 (2.8)
0.75	>=0.20	PGS1 (3.1)	RBKS (3.1)	TIMD4 (2.9)
0.75	>=0.20	CLPTM1 (3.9)	G6PC3 (3.3)	SIDT2 (3.1)

0.75	>=0.20	MFAP1 (3.1)	DR1 (3.0)	NUP160 (3.0)
0.75	>=0.20	C8orf49 (3.9)	BAZ1B (3.5)	DDB2 (3.4)
0.75	>=0.20	C8orf49 (3.9)	BAZ1B (3.5)	DDB2 (3.4)
0.75	>=0.20	PPM1G (2.8)	FNBP4 (2.7)	CITED2 (2.6)
0.75	>=0.20	HARBI1 (2.9)	EIF3J (2.6)	ZNF259 (2.4)
0.75	>=0.20	MTCH2 (4.1)	EIF2B4 (3.7)	NFE2L3 (3.3)
0.75	>=0.20	PPY (4.5)	SFN (3.3)	PYY (2.6)
0.75	>=0.20	GATAD2A (2.7)	CHMP3 (2.5)	ZNF513 (2.5)
0.75	>=0.20	SFN (2.6)	SDC1 (1.5)	PMFBP1 (1.2)
0.75	>=0.20	PAFAH1B2 (3.5)	CHMP3 (3.4)	PCSK7 (3.0)
0.75	>=0.20	TRIM54 (5.0)	PACSIN3 (3.8)	MYBPC3 (3.3)
0.75	>=0.20	AGBL5 (2.6)	C1orf172 (2.3)	ZNF513 (2.3)
0.75	>=0.20	CMIP (3.0)	KLF14 (2.9)	SDCBP (2.6)
0.75	>=0.20	AFF1 (2.6)	KLF14 (2.1)	CMIP (1.7)
0.75	>=0.20	COBLL1 (3.1)	PPIP5K1 (3.1)	GMIP (2.9)
0.75	>=0.20	OST4 (4.8)	ENSG00000223522 (2	DPYSL5 (2.2)
0.75	>=0.20	MTCH2 (4.4)	NRBP1 (4.3)	TOMM40 (3.3)
0.76	>=0.20	SLC30A3 (2.5)	ZNF513 (2.1)	C1QTNF4 (2.1)
0.76	>=0.20	LPAL2 (2.8)	ENSG00000236267 (2	PYY (2.6)
0.76	>=0.20	SUMO1 (3.8)	SUGP1 (3.2)	ZNF259 (2.7)
0.76	>=0.20	SUMO1 (2.7)	SUGP1 (2.7)	ZNF408 (2.5)
0.76	>=0.20	KRTCAP3 (2.8)	BNC2 (2.8)	ENSG00000223745 (2
0.76	>=0.20	BNC2 (2.7)	FUT2 (2.4)	EMILIN1 (2.2)
0.76	>=0.20	PTPN13 (2.8)	ENSG00000222035 (2	LPAR2 (2.3)
0.76	>=0.20	TAGLN (12.6)	KANK2 (4.7)	ARHGAP1 (4.1)
0.76	>=0.20	ZNF408 (2.6)	TDH (2.3)	ENSG00000200241 (2
0.76	>=0.20	HAPLN4 (3.1)	MAPK10 (2.8)	MPP2 (2.6)
0.76	>=0.20	MTCH2 (3.8)	FEN1 (3.2)	NDUFS3 (3.1)
0.76	>=0.20	KLF14 (2.3)	ENSG00000256746 (2	CATSPER2 (2.0)
0.76	>=0.20	CYP26A1 (2.4)	CITED2 (2.3)	LINC00208 (2.2)
0.76	>=0.20	GMIP (3.0)	ENSG00000200241 (2	CD300LG (2.1)
0.76	>=0.20	TAGLN (5.2)	ARHGAP1 (3.8)	SDCBP (3.0)
0.76	>=0.20	CELF1 (2.8)	GATAD2A (2.4)	MAU2 (2.1)
0.76	>=0.20	CAD (3.6)	CKAP5 (3.4)	NUP160 (3.4)
0.76	>=0.20	SUGP1 (2.6)	PPM1G (2.6)	ATP13A1 (2.4)
0.76	>=0.20	CASC4 (4.4)	OST4 (3.8)	EIF3J (3.7)
0.76	>=0.20	MTMR9 (4.8)	FDFT1 (4.0)	FADS1 (3.7)
0.76	>=0.20	FEN1 (5.7)	WDR76 (5.0)	USP1 (4.7)
0.76	>=0.20	HDAC5 (2.7)	HAPLN4 (2.6)	MAPK10 (2.5)
0.76	>=0.20	NDUFS3 (6.2)	MRPL35 (3.9)	IMMT (3.8)
0.76	>=0.20	CKAP5 (2.7)	GATAD2A (2.5)	OST4 (2.4)
0.76	>=0.20	TMEM214 (5.8)	PREB (4.4)	ATG13 (3.3)
0.76	>=0.20	ENSG00000179523 (3	SUGP1 (2.9)	SPG11 (2.5)
0.76	>=0.20	COBLL1 (2.9)	GMIP (2.4)	PPIP5K1 (2.4)
0.76	>=0.20	GATAD2A (3.4)	PPM1G (2.5)	CGREF1 (2.5)
0.76	>=0.20	PTPN13 (3.1)	SDC1 (2.7)	CASC4 (2.4)
0.76	>=0.20	MAP1A (4.2)	C11orf9 (3.5)	SIK3 (3.3)
0.76	>=0.20	DNAH10 (4.0)	C8orf12 (3.3)	TDH (3.1)
0.76	>=0.20	ENSG00000182319 (2	DPYSL5 (2.2)	NFE2L3 (2.2)
0.76	>=0.20	MTCH2 (3.9)	EIF2B4 (3.7)	NFE2L3 (3.3)

0.76	>=0.20	MTCH2 (3.9)	EIF2B4 (3.7)	NFE2L3 (3.3)
0.76	>=0.20	TMEM101 (4.1)	TMEM175 (4.0)	G6PC3 (2.9)
0.76	>=0.20	ZNF513 (4.0)	ENSG00000226645 (2	MAFF (2.4)
0.76	>=0.20	FEN1 (3.3)	SDCBP (2.8)	SPG11 (2.7)
0.76	>=0.20	TXNL4B (3.0)	AMBRA1 (2.9)	BUD13 (2.7)
0.76	>=0.20	BLK (3.8)	NEIL2 (2.7)	PIGV (2.5)
0.76	>=0.20	HDAC5 (3.1)	BCL3 (3.0)	RIC8B (2.7)
0.76	>=0.20	ENSG00000253379 (3	FUT2 (2.9)	EPB41L3 (2.5)
0.76	>=0.20	ENSG00000253379 (3	C2orf16 (3.1)	SLC30A3 (2.7)
0.76	>=0.20	MAMSTR (5.7)	ENSG00000222035 (3	C2orf53 (2.7)
0.76	>=0.20	GALNT2 (2.4)	SFN (2.4)	NCAN (2.3)
0.76	>=0.20	SOST (3.3)	ENSG00000256746 (2	C8orf49 (2.6)
0.76	>=0.20	PTPMT1 (2.6)	IMMT (2.5)	FRMD5 (2.2)
0.76	>=0.20	CASC4 (2.5)	LPAR2 (2.2)	ENSG00000254235 (2
0.76	>=0.20	SUGP1 (4.1)	DHX38 (3.9)	PTCD3 (3.5)
0.76	>=0.20	SUGP1 (4.1)	DHX38 (3.9)	PTCD3 (3.5)
0.76	>=0.20	CITED2 (2.4)	AFF1 (2.2)	NAGS (2.1)
0.76	>=0.20	MAMSTR (5.2)	ENSG00000222035 (3	C2orf53 (2.8)
0.76	>=0.20	NOP58 (2.2)	ATP13A1 (2.0)	NSMAF (2.0)
0.76	>=0.20	EPB41L3 (3.3)	NRBF2 (3.2)	MFAP1 (2.4)
0.76	>=0.20	MTCH2 (4.4)	NFE2L3 (3.6)	EIF2B4 (3.5)
0.76	>=0.20	APOA4 (5.5)	TM6SF2 (3.8)	APOC3 (2.8)
0.76	>=0.20	ENSG00000254235 (2	RFX4 (2.7)	ZNF408 (2.4)
0.76	>=0.20	FAM167A (3.0)	ENSG00000256731 (2	ENSG00000223522 (2
0.76	>=0.20	ATG4C (2.9)	ENSG00000226645 (2	ENSG00000236267 (2
0.76	>=0.20	NR1H3 (2.7)	PTPRJ (2.2)	ZDHHC18 (2.2)
0.76	>=0.20	CGREF1 (2.2)	ZNF664 (2.1)	TIMD4 (1.9)
0.76	>=0.20	NOP58 (5.1)	TOMM40 (4.1)	POLR1A (4.0)
0.76	>=0.20	AFF1 (3.2)	MAU2 (3.0)	BUD13 (3.0)
0.76	>=0.20	C17orf105 (3.3)	TSSK6 (3.2)	USP1 (2.7)
0.76	>=0.20	DHX38 (2.9)	PCIF1 (2.9)	BUD13 (2.8)
0.76	>=0.20	MAU2 (3.4)	EIF3J (2.7)	UBXN2B (2.4)
0.76	>=0.20	HARBI1 (2.7)	MTCH2 (2.7)	LSM12 (2.7)
0.76	>=0.20	KRTCAP3 (3.6)	MPV17 (2.9)	PTPMT1 (2.5)
0.76	>=0.20	GATA4 (7.1)	C8orf49 (7.0)	TSSK6 (3.3)
0.76	>=0.20	TAGLN (3.7)	SDC1 (3.5)	DOCK6 (2.9)
0.76	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	EIF2B4 (3.5)
0.77	>=0.20	PYY (6.4)	PPY (6.3)	TECTB (3.4)
0.77	>=0.20	PPY (6.7)	PYY (4.9)	MAPK10 (2.6)
0.77	>=0.20	NR0B2 (4.4)	GATA4 (3.5)	C11orf9 (3.4)
0.77	>=0.20	INTS10 (2.7)	NUP160 (2.7)	DR1 (2.6)
0.77	>=0.20	PCSK7 (2.9)	ENSG00000257711 (2	ENSG00000235545 (2
0.77	>=0.20	ENSG00000253379 (3	FZD9 (2.9)	PYY (2.8)
0.77	>=0.20	CAD (3.9)	POLR1A (3.5)	BAZ1B (3.3)
0.77	>=0.20	WDR76 (4.2)	BAZ1B (3.8)	CAD (3.7)
0.77	>=0.20	GMIP (3.2)	SNX17 (2.5)	CMIP (2.3)
0.77	>=0.20	MAP1A (3.1)	MPP2 (3.0)	DPYSL5 (2.8)
0.77	>=0.20	SUMO1 (3.1)	GTF3C2 (2.8)	MTF2 (2.7)
0.77	>=0.20	CYP26A1 (4.1)	TAGLN (3.5)	REEP1 (3.0)
0.77	>=0.20	CCDC18 (3.3)	FEN1 (2.6)	CKAP5 (2.6)

0.77	>=0.20	TMEM214 (7.7)	PREB (5.1)	TBL2 (4.4)
0.77	>=0.20	GMIP (3.3)	GATAD2A (3.0)	PCSK7 (2.5)
0.77	>=0.20	IMMT (3.4)	MTCH2 (3.3)	FDFT1 (3.2)
0.77	>=0.20	BCL3 (3.6)	MAFF (3.6)	NFE2L3 (2.7)
0.77	>=0.20	TAGLN (5.4)	ARHGAP1 (3.3)	SNX17 (2.9)
0.77	>=0.20	FUT2 (4.2)	PYY (2.2)	HGFAC (2.1)
0.77	>=0.20	TRIM54 (7.5)	MYBPC3 (5.7)	PACSIN3 (5.1)
0.77	>=0.20	TRIM54 (7.4)	PACSIN3 (3.1)	MAMSTR (2.8)
0.77	>=0.20	ENSG00000234945 (2	ZNF513 (2.7)	C2orf16 (2.6)
0.77	>=0.20	TP53BP1 (3.8)	GPN1 (3.1)	PDIA3 (2.8)
0.77	>=0.20	ENSG00000236827 (2	SLC30A3 (2.0)	LPAL2 (1.7)
0.77	>=0.20	MTCH2 (3.7)	NFE2L3 (3.1)	ARFGAP2 (3.1)
0.77	>=0.20	EMILIN1 (2.9)	CHMP3 (2.9)	CCDC121 (2.8)
0.77	>=0.20	EMILIN1 (2.9)	CHMP3 (2.9)	CCDC121 (2.8)
0.77	>=0.20	EMILIN1 (2.9)	CHMP3 (2.9)	CCDC121 (2.8)
0.77	>=0.20	ZNF408 (3.1)	NRBP1 (3.1)	KRTCAP3 (2.7)
0.77	>=0.20	ARID1A (3.4)	ARHGAP1 (2.6)	UBXN2B (2.5)
0.77	>=0.20	HAPLN4 (3.1)	ENSG00000255020 (2	MPP2 (2.6)
0.77	>=0.20	HAPLN4 (3.1)	ENSG00000255020 (2	MPP2 (2.6)
0.77	>=0.20	FUT2 (2.9)	ARID1A (2.5)	CYP26A1 (2.4)
0.77	>=0.20	CCDC121 (3.4)	DPYSL5 (2.3)	IFT172 (2.3)
0.77	>=0.20	TMEM175 (4.0)	CKAP5 (3.6)	CCDC18 (3.5)
0.77	>=0.20	TDH (3.6)	CCDC121 (3.1)	ENSG00000254235 (3
0.77	>=0.20	FZD9 (4.4)	RFX4 (3.2)	NCAN (2.6)
0.77	>=0.20	LPAR2 (2.8)	CD300LG (2.4)	CYP26A1 (2.3)
0.77	>=0.20	CYP26A1 (3.5)	TDH (3.1)	ENSG00000255020 (2
0.77	>=0.20	PACSIN3 (3.2)	ATG13 (2.9)	FGF21 (2.7)
0.77	>=0.20	OST4 (5.4)	MRPL33 (2.7)	ENSG00000223522 (2
0.77	>=0.20	AGBL2 (4.4)	PTPN13 (3.6)	C11orf49 (3.4)
0.77	>=0.20	AMBRA1 (3.4)	PAFAH1B2 (3.3)	PPM1G (2.7)
0.77	>=0.20	EMILIN1 (4.3)	CSGALNACT1 (3.3)	LPL (2.8)
0.77	>=0.20	CCDC18 (5.1)	WDR76 (4.1)	FEN1 (3.9)
0.77	>=0.20	TBL2 (3.6)	PDIA3 (2.6)	CGREF1 (2.3)
0.77	>=0.20	AGBL5 (2.5)	RFX4 (2.4)	DOCK7 (2.2)
0.77	>=0.20	MAMSTR (2.9)	CCDC92 (2.8)	CMIP (2.7)
0.77	>=0.20	NDUFS3 (5.9)	IMMT (5.7)	MRPL35 (3.9)
0.77	>=0.20	PTPMT1 (3.4)	C2orf28 (3.0)	NUP160 (2.8)
0.77	>=0.20	C2orf16 (3.6)	ABO (3.3)	SLC30A3 (2.8)
0.77	>=0.20	MAP1A (3.5)	BRE (2.6)	CCDC92 (2.4)
0.77	>=0.20	ENSG00000236827 (2	ENSG00000256746 (2	LPAR2 (2.1)
0.77	>=0.20	PCIF1 (3.3)	BCL7B (3.3)	BAZ1B (3.2)
0.77	>=0.20	LINC00208 (3.4)	FAM167A (2.5)	TECTB (2.4)
0.77	>=0.20	FEN1 (5.8)	WDR76 (5.5)	USP1 (4.7)
0.77	>=0.20	SLC30A3 (3.5)	MPP2 (3.3)	MAPRE3 (2.9)
0.77	>=0.20	GATAD2A (3.9)	NRBF2 (2.5)	NRBP1 (2.1)
0.77	>=0.20	ZNF664 (4.0)	DR1 (3.4)	PCIF1 (2.9)
0.77	>=0.20	MTF2 (4.1)	KDM3A (3.3)	USP1 (2.3)
0.77	>=0.20	ENSG00000254235 (3	ATG4C (2.7)	FGF21 (2.6)
0.77	>=0.20	SNX17 (2.9)	GPN2 (2.8)	PCSK7 (2.6)
0.77	>=0.20	TOMM40 (3.8)	NRBP1 (3.6)	GPN1 (3.1)

0.77	>=0.20	MFAP1 (3.4)	MTMR9 (3.1)	EIF3J (3.0)
0.77	>=0.20	C8orf49 (6.1)	GATA4 (3.0)	BNC2 (2.4)
0.77	>=0.20	ATG13 (4.3)	PDIA3 (3.9)	PREB (3.5)
0.77	>=0.20	PTPN13 (2.5)	NFE2L3 (2.5)	SFN (2.5)
0.77	>=0.20	DOCK6 (3.6)	FUT1 (3.1)	RASIP1 (2.9)
0.77	>=0.20	CILP2 (4.9)	ENSG00000253379 (3	STRC (2.8)
0.77	>=0.20	TXNL4B (3.5)	ARHGAP1 (3.1)	C17orf105 (2.5)
0.77	>=0.20	ENSG00000253379 (3	FDFT1 (2.8)	CCDC121 (2.5)
0.77	>=0.20	MAPRE3 (3.3)	SIK3 (3.2)	REEP3 (2.8)
0.77	>=0.20	PVRL2 (3.8)	SFN (2.9)	CBLC (2.8)
0.77	>=0.20	TRIM54 (3.7)	C19orf80 (2.8)	ABHD1 (2.8)
0.77	>=0.20	FNBP4 (3.2)	BAZ1B (3.0)	MADD (2.6)
0.77	>=0.20	INTS10 (2.5)	PTCD3 (2.3)	ZNF259 (2.2)
0.77	>=0.20	MAMSTR (4.5)	ENSG00000254235 (2	TRIM54 (2.4)
0.77	>=0.20	ABO (2.7)	FAM167A (2.6)	LRP4 (2.5)
0.77	>=0.20	PDIA3 (3.8)	TP53BP1 (3.3)	IMMT (3.2)
0.77	>=0.20	GPN2 (3.8)	ZNF259 (3.2)	TMEM101 (2.8)
0.77	>=0.20	MPP2 (3.0)	SLC22A3 (2.8)	ENSG00000256731 (2
0.77	>=0.20	TOMM40 (3.1)	DR1 (3.0)	ZNF512 (2.5)
0.77	>=0.20	BLK (3.2)	EMILIN1 (3.1)	PTPRJ (2.8)
0.78	>=0.20	NSMAF (3.0)	ENSG00000235545 (2	ENSG00000253379 (2
0.78	>=0.20	ENSG00000222035 (2	PCSK7 (2.3)	MAMSTR (2.2)
0.78	>=0.20	PTPN13 (4.1)	FUT2 (2.7)	SFN (2.3)
0.78	>=0.20	GPN2 (2.8)	MTMR9 (2.7)	GTF3C2 (2.7)
0.78	>=0.20	IMMT (3.5)	ZNF259 (3.4)	EIF2B4 (3.3)
0.78	>=0.20	ABO (3.6)	C2orf16 (2.8)	HARBI1 (2.4)
0.78	>=0.20	CD300LG (2.5)	MAU2 (2.3)	ENSG00000254235 (2
0.78	>=0.20	ATG13 (6.8)	HDAC5 (4.3)	KDM3A (2.7)
0.78	>=0.20	PBX4 (2.8)	BLK (2.4)	ENSG00000235545 (2
0.78	>=0.20	CCDC18 (3.3)	ZNF512 (2.4)	MAU2 (2.1)
0.78	>=0.20	FNBP4 (2.2)	NFE2L3 (2.1)	BCL3 (1.9)
0.78	>=0.20	PTPRJ (2.3)	MAU2 (2.2)	BCL7B (2.1)
0.78	>=0.20	BLK (3.3)	NR1H3 (2.7)	TIMD4 (2.5)
0.78	>=0.20	DHX38 (2.9)	TP53BP1 (2.6)	GPN2 (2.5)
0.78	>=0.20	MTMR9 (3.0)	FADS2 (2.6)	CMIP (2.3)
0.78	>=0.20	MYBPC3 (3.6)	GATA4 (3.4)	ENSG00000256746 (2
0.78	>=0.20	ARHGAP1 (3.3)	TAGLN (3.1)	PTPRJ (2.9)
0.78	>=0.20	KLF14 (2.6)	CMIP (2.6)	DPYSL5 (2.4)
0.78	>=0.20	MAMSTR (3.1)	FAM167A (2.5)	COBLL1 (2.2)
0.78	>=0.20	DPYSL5 (4.2)	RFX4 (3.7)	PBX4 (2.8)
0.78	>=0.20	POLR1A (3.0)	NUP160 (2.6)	NOP58 (2.6)
0.78	>=0.20	SLC5A6 (2.4)	ENSG00000253379 (2	SDCBP (2.2)
0.78	>=0.20	PYY (5.3)	PPY (5.3)	G6PC3 (2.5)
0.78	>=0.20	FNDC4 (3.3)	MAP1A (3.0)	DPYSL5 (2.7)
0.78	>=0.20	FNDC4 (2.5)	CHMP3 (2.5)	CCDC92 (2.4)
0.78	>=0.20	TMEM214 (4.0)	TBL2 (3.2)	ATG4C (2.5)
0.78	>=0.20	KHK (3.3)	ABHD1 (2.5)	ABO (2.2)
0.78	>=0.20	CILP2 (4.3)	FZD9 (4.1)	LRP4 (3.0)
0.78	>=0.20	SDCBP (3.0)	EPB41L3 (2.7)	C1QTNF4 (2.6)
0.78	>=0.20	C17orf105 (3.0)	ENSG00000234945 (2	ENSG00000223522 (2

0.78	>=0.20	FEN1 (4.7)	USP1 (4.7)	NUP160 (3.2)
0.78	>=0.20	NDUFS3 (5.8)	OST4 (4.5)	MRPL33 (4.5)
0.78	>=0.20	NDUFS3 (5.8)	OST4 (4.5)	MRPL33 (4.5)
0.78	>=0.20	HAVCR1 (3.0)	REEP3 (2.7)	CTSB (2.5)
0.78	>=0.20	NDUFS3 (5.1)	IMMT (3.5)	PTPMT1 (3.5)
0.78	>=0.20	NDUFS3 (5.1)	IMMT (3.5)	PTPMT1 (3.5)
0.78	>=0.20	EMILIN1 (2.8)	KANK2 (2.7)	PTPN13 (2.5)
0.78	>=0.20	DR1 (2.9)	RIC8B (2.8)	KBTBD4 (2.6)
0.78	>=0.20	NEIL2 (2.9)	IZUMO1 (2.8)	PGS1 (2.3)
0.78	>=0.20	ZNF335 (3.7)	ARID1A (3.0)	GTF3C2 (2.7)
0.78	>=0.20	TDH (3.5)	ENSG00000234945 (3	SUMO1 (2.3)
0.78	>=0.20	DNAJC5G (3.2)	SDC1 (2.3)	FAM167A (2.0)
0.78	>=0.20	SLC30A3 (3.3)	RSPO3 (2.4)	LPAL2 (2.3)
0.78	>=0.20	PCSK7 (3.8)	MADD (2.8)	AFF1 (2.7)
0.78	>=0.20	ENSG00000182319 (2	TMEM101 (2.6)	KLF14 (2.6)
0.78	>=0.20	GATA4 (4.8)	C8orf49 (4.6)	MYBPC3 (4.2)
0.78	>=0.20	WDR76 (3.8)	TUBGCP4 (3.2)	CKAP5 (3.0)
0.78	>=0.20	PYY (3.1)	MAPK10 (2.9)	TAGLN (2.4)
0.78	>=0.20	LIPC (4.0)	APOA1 (3.2)	APOA5 (3.0)
0.78	>=0.20	OST4 (3.7)	NOP58 (3.2)	NSMAF (2.1)
0.78	>=0.20	MAPK10 (2.8)	DOCK6 (2.7)	CSGALNACT1 (2.6)
0.78	>=0.20	C1orf172 (4.3)	KRTCAP3 (3.6)	CBLC (2.5)
0.78	>=0.20	TMEM214 (4.9)	PREB (4.6)	TBL2 (4.3)
0.78	>=0.20	RFX4 (3.8)	LINC00208 (2.5)	CELF1 (2.1)
0.78	>=0.20	DUSP3 (3.1)	SUMO1 (2.3)	NRBP1 (2.2)
0.78	>=0.20	CHMP3 (3.3)	MPV17 (3.2)	ZNF259 (3.2)
0.78	>=0.20	TRIM54 (3.7)	MYBPC3 (3.4)	PACSIN3 (3.2)
0.78	>=0.20	POLR1A (4.1)	PTCD3 (3.4)	NOP58 (3.3)
0.78	>=0.20	HAPLN4 (2.3)	ZNF664 (1.8)	DNAH10 (1.8)
0.78	>=0.20	GMIP (4.0)	MADD (2.6)	SIK3 (2.4)
0.78	>=0.20	GMIP (4.0)	MADD (2.6)	SIK3 (2.4)
0.78	>=0.20	OST4 (3.7)	CELF1 (2.8)	ARFGAP2 (2.7)
0.78	>=0.20	BLK (2.9)	ENSG00000236267 (2	ACP2 (2.2)
0.78	>=0.20	CHMP3 (2.8)	MTMR9 (2.7)	HAPLN4 (2.4)
0.78	>=0.20	TXNL4B (4.4)	GPN2 (3.5)	NSMAF (2.6)
0.78	>=0.20	TDH (3.7)	ENSG00000234945 (3	ENSG00000255020 (3
0.78	>=0.20	JMJD1C (3.3)	PPIP5K1 (2.9)	DOCK7 (2.8)
0.78	>=0.20	PAFAH1B2 (3.1)	CTDSPL2 (3.0)	TXNL4B (2.6)
0.78	>=0.20	BLK (3.2)	MAPRE3 (2.7)	CMIP (2.4)
0.78	>=0.20	DDB2 (3.8)	NSMAF (3.2)	UBXN2B (2.7)
0.78	>=0.20	EIF3J (4.3)	NOP58 (3.6)	EIF2B4 (3.2)
0.78	>=0.20	DUSP3 (2.3)	KLF14 (2.1)	C8orf49 (2.1)
0.78	>=0.20	PGS1 (3.2)	LPAR2 (2.7)	GMIP (2.6)
0.78	>=0.20	SFN (5.2)	TAGLN (2.6)	EMILIN1 (2.5)
0.78	>=0.20	ZDHHC18 (2.7)	NFE2L3 (2.5)	HAVCR1 (2.4)
0.78	>=0.20	GMIP (3.1)	GATAD2A (2.3)	PTPRJ (1.9)
0.78	>=0.20	RSPO3 (3.3)	KHK (2.6)	SLC5A6 (2.6)
0.78	>=0.20	NOP58 (2.3)	NEIL2 (2.1)	MTMR9 (1.9)
0.78	>=0.20	NDUFS3 (4.0)	CAD (3.7)	CKAP5 (3.2)
0.78	>=0.20	SPG11 (4.4)	MPV17 (3.8)	C11orf49 (3.1)

0.78	>=0.20	DR1 (3.8)	NRBF2 (3.5)	GATAD2A (3.1)
0.78	>=0.20	FAM167A (3.2)	KLF14 (2.6)	TECTB (2.5)
0.78	>=0.20	IMMT (2.8)	SUGP1 (2.6)	ZNF259 (2.4)
0.78	>=0.20	BLK (5.7)	TIMD4 (2.9)	GMIP (2.7)
0.79	>=0.20	MTCH2 (3.9)	NFE2L3 (3.4)	LINC00208 (2.8)
0.79	>=0.20	WDR76 (3.5)	CBLC (3.4)	NUP160 (3.0)
0.79	>=0.20	CTSB (2.9)	C2orf28 (2.6)	MPV17 (2.4)
0.79	>=0.20	MRPL35 (3.9)	PTPMT1 (3.2)	TOMM40 (2.8)
0.79	>=0.20	ENSG00000235545 (2	PTPN13 (2.4)	SDC1 (2.4)
0.79	>=0.20	PGS1 (2.3)	PBX4 (2.2)	ATG13 (2.0)
0.79	>=0.20	PCSK7 (3.7)	TRNP1 (3.4)	CHMP3 (3.3)
0.79	>=0.20	RFX4 (3.8)	C11orf9 (2.9)	MPP2 (2.5)
0.79	>=0.20	RFX4 (3.8)	C11orf9 (2.9)	MPP2 (2.5)
0.79	>=0.20	CCDC18 (3.2)	WDR76 (3.0)	TUBGCP4 (2.9)
0.79	>=0.20	TMEM214 (3.5)	TMED5 (3.3)	PDIA3 (3.1)
0.79	>=0.20	WDR76 (3.2)	NRBP1 (3.0)	LSM12 (2.3)
0.79	>=0.20	WDR76 (3.6)	USP1 (3.4)	FEN1 (3.0)
0.79	>=0.20	WDR76 (3.6)	USP1 (3.4)	FEN1 (3.0)
0.79	>=0.20	DR1 (2.8)	PLA2G6 (2.5)	ZDHHC18 (2.2)
0.79	>=0.20	MAMSTR (5.5)	TRIM54 (4.0)	PACSIN3 (3.9)
0.79	>=0.20	BCL7B (5.1)	BAZ1B (2.7)	USP1 (2.7)
0.79	>=0.20	SPG11 (2.5)	ARFGAP2 (2.4)	DR1 (2.3)
0.79	>=0.20	NDUFS3 (5.9)	MRPL33 (5.1)	MRPL35 (4.4)
0.79	>=0.20	BLK (2.6)	RFX4 (2.1)	CETP (2.0)
0.79	>=0.20	BLK (2.6)	RFX4 (2.1)	CETP (2.0)
0.79	>=0.20	SLC30A3 (3.1)	CHMP3 (2.8)	NCAN (2.3)
0.79	>=0.20	KBTBD4 (2.9)	RIC8B (2.8)	DR1 (2.8)
0.79	>=0.20	NUP160 (3.2)	BLK (2.7)	UBXN2B (2.7)
0.79	>=0.20	CBLC (3.9)	CHMP3 (3.3)	PAFAH1B2 (2.9)
0.79	>=0.20	TRIM54 (5.4)	PACSIN3 (3.3)	NCAN (2.7)
0.79	>=0.20	C8orf49 (4.3)	GATA4 (3.1)	ENSG00000256746 (3
0.79	>=0.20	CCDC18 (3.4)	CASC4 (2.4)	CHMP3 (2.3)
0.79	>=0.20	CCDC18 (3.4)	CASC4 (2.4)	CHMP3 (2.3)
0.79	>=0.20	NDUFS3 (5.9)	MRPL33 (4.5)	MRPL35 (4.2)
0.79	>=0.20	ENSG00000257711 (4	ENSG00000235545 (3	SLC22A3 (3.3)
0.79	>=0.20	BCL3 (4.8)	NFE2L3 (3.0)	BCL7B (2.9)
0.79	>=0.20	GMIP (4.6)	PTPRJ (3.7)	ARID1A (3.1)
0.79	>=0.20	MTCH2 (3.7)	EIF2B4 (3.1)	NDUFS3 (3.1)
0.79	>=0.20	MTCH2 (3.7)	EIF2B4 (3.1)	NDUFS3 (3.1)
0.79	>=0.20	ENSG00000254235 (3	ENSG00000253379 (2	PYY (2.9)
0.79	>=0.20	DUSP3 (2.8)	MPV17 (2.6)	PPY (2.2)
0.79	>=0.20	MAPRE3 (2.8)	CCDC92 (2.7)	SLC30A3 (2.5)
0.79	>=0.20	MYBPC3 (4.5)	GATA4 (4.0)	FRMD5 (3.6)
0.79	>=0.20	PGS1 (3.1)	TMED5 (2.8)	MAPK10 (2.6)
0.79	>=0.20	MPP3 (3.0)	TECTB (2.9)	DNAH10 (2.7)
0.79	>=0.20	DPYSL5 (3.4)	FGF21 (2.6)	TDH (2.5)
0.79	>=0.20	CCDC121 (3.3)	GPN1 (3.2)	IMMT (2.5)
0.79	>=0.20	CAD (3.0)	DHX38 (2.8)	BAZ1B (2.5)
0.79	>=0.20	NCAN (4.1)	MAMSTR (3.2)	BMPR2 (2.5)
0.79	>=0.20	TECTB (5.1)	ENSG00000253379 (4	LRP4 (3.7)

0.79	>=0.20	MRPL33 (3.3)	BUD13 (3.2)	ZNF512 (2.7)
0.79	>=0.20	SUMO1 (1.8)	FEN1 (1.7)	RIC8B (1.7)
0.79	>=0.20	GMIP (2.5)	PCIF1 (2.3)	ARHGAP1 (2.2)
0.79	>=0.20	PTPRJ (2.7)	NR1H3 (2.3)	BRE (2.1)
0.79	>=0.20	ENSG00000222035 (3	NAT2 (3.1)	DNAH10 (2.8)
0.79	>=0.20	ATG4C (2.3)	REEP1 (2.2)	CATSPER2 (2.1)
0.79	>=0.20	MPP2 (2.3)	C2orf53 (2.2)	MPP3 (1.9)
0.79	>=0.20	REEP1 (3.7)	MAMSTR (3.2)	TRIM54 (3.2)
0.79	>=0.20	PPY (3.0)	TMED5 (2.3)	NCAN (2.0)
0.79	>=0.20	ENSG00000253379 (3	CILP2 (3.3)	LRP4 (3.3)
0.79	>=0.20	SUGP1 (3.6)	MRPL35 (2.2)	PTPMT1 (2.1)
0.79	>=0.20	MTCH2 (3.9)	EIF2B4 (3.7)	NFE2L3 (3.4)
0.79	>=0.20	PCSK7 (2.9)	UBXN2B (2.6)	CASC4 (2.6)
0.79	>=0.20	MTCH2 (3.9)	EIF2B4 (3.6)	NFE2L3 (3.4)
0.79	>=0.20	CCDC18 (4.9)	SPG11 (2.4)	PCIF1 (2.3)
0.79	>=0.20	NCAN (3.0)	HAPLN4 (2.9)	ENSG00000182329 (2
0.79	>=0.20	MTCH2 (3.5)	EIF2B4 (3.4)	TOMM40 (2.8)
0.79	>=0.20	CCDC92 (2.8)	REEP1 (2.5)	TAGLN (2.4)
0.79	>=0.20	TXNL4B (4.0)	SUMO1 (3.4)	GPN2 (3.0)
0.79	>=0.20	NOP58 (2.6)	SNX17 (2.5)	UBXN2B (2.2)
0.79	>=0.20	NDUFS3 (6.6)	IMMT (4.9)	OST4 (4.5)
0.79	>=0.20	CKAP5 (3.4)	C8orf49 (2.8)	TP53BP1 (2.2)
0.79	>=0.20	MPV17 (3.0)	MPP3 (2.2)	NRBF2 (2.2)
0.79	>=0.20	POLR1A (3.5)	ZNF408 (3.2)	C2orf16 (3.1)
0.79	>=0.20	AGBL5 (2.6)	ZNF664 (2.4)	RFX4 (2.4)
0.79	>=0.20	MAMSTR (4.7)	PACSIN3 (3.6)	TRIM54 (3.4)
0.79	>=0.20	ABHD1 (2.7)	ENSG00000182319 (2	HAVCR1 (2.4)
0.79	>=0.20	FNBP4 (3.5)	MPP3 (3.0)	SUPT7L (3.0)
0.79	>=0.20	MAMSTR (4.8)	PACSIN3 (3.7)	TRIM54 (3.5)
0.8	>=0.20	HAVCR1 (3.7)	CHMP3 (3.2)	NEIL2 (2.6)
0.8	>=0.20	PCSK7 (3.2)	PAFAH1B2 (2.9)	CKAP5 (2.5)
0.8	>=0.20	CCDC121 (3.0)	ZNF408 (2.5)	KDM3A (2.1)
0.8	>=0.20	ZNF408 (2.8)	CMIP (2.7)	MPP2 (2.7)
0.8	>=0.20	GATAD2A (4.1)	TAGLN (3.4)	KANK2 (2.7)
0.8	>=0.20	OST4 (4.1)	ZNF259 (3.1)	CAD (3.0)
0.8	>=0.20	SOST (3.3)	ENSG00000253379 (2	TUBGCP4 (2.7)
0.8	>=0.20	TRIM54 (6.5)	TAGLN (4.4)	PACSIN3 (3.5)
0.8	>=0.20	ARFGAP2 (3.1)	ATG13 (2.6)	AGBL5 (2.6)
0.8	>=0.20	EPB41L3 (2.6)	BCAM (2.3)	TRNP1 (1.9)
0.8	>=0.20	LRP4 (2.4)	PTPRJ (2.3)	LPL (2.2)
0.8	>=0.20	RSPO3 (3.0)	C2orf16 (2.7)	EPB41L3 (2.6)
0.8	>=0.20	DDB2 (3.6)	WDR76 (3.6)	FEN1 (3.3)
0.8	>=0.20	NOP58 (3.6)	PTCD3 (2.7)	ZNF259 (2.5)
0.8	>=0.20	CTSB (2.7)	HAPLN4 (2.5)	APOE (2.5)
0.8	>=0.20	WDR76 (5.7)	MTF2 (3.6)	FEN1 (3.3)
0.8	>=0.20	MPP3 (3.2)	TSSK6 (2.3)	NR0B2 (2.2)
0.8	>=0.20	WDR76 (4.4)	BCL7B (3.7)	USP1 (3.1)
0.8	>=0.20	ENSG00000226645 (2	FNDC4 (1.8)	AMBRA1 (1.7)
0.8	>=0.20	ENSG00000226645 (2	FNDC4 (1.8)	AMBRA1 (1.7)
0.8	>=0.20	C1orf172 (3.5)	ZNF664 (3.2)	COBLL1 (2.2)

0.8	>=0.20	IMMT (5.0)	MRPL35 (4.7)	NDUFS3 (4.4)
0.8	>=0.20	BLK (6.0)	DDB2 (2.0)	GALNT2 (1.9)
0.8	>=0.20	MAPK10 (3.6)	HAPLN4 (3.2)	MPP2 (3.0)
0.8	>=0.20	FNBP4 (4.6)	ZNF335 (3.1)	ZNF513 (2.8)
0.8	>=0.20	CLPTM1 (4.1)	FUT2 (4.0)	SIDT2 (3.5)
0.8	>=0.20	CLPTM1 (4.1)	FUT2 (4.0)	SIDT2 (3.5)
0.8	>=0.20	PDIA3 (6.1)	CATSPER2 (4.2)	EIF3J (3.5)
0.8	>=0.20	LINC00208 (3.3)	C2orf53 (2.7)	TECTB (2.3)
0.8	>=0.20	LSM12 (2.8)	IMMT (2.6)	CELF1 (2.2)
0.8	>=0.20	CCDC121 (3.8)	BNC2 (2.9)	ENSG00000253379 (2
0.8	>=0.20	CILP2 (2.9)	FAM167A (2.8)	PPIP5K1 (2.2)
0.8	>=0.20	ENSG00000236827 (3	FDFT1 (2.8)	FADS2 (2.6)
0.8	>=0.20	PBX4 (2.9)	NR1H3 (2.5)	BLK (2.4)
0.8	>=0.20	PDIA3 (6.7)	C2orf28 (5.4)	TMEM214 (4.5)
0.8	>=0.20	NOP58 (3.0)	SUGP1 (2.3)	OST4 (2.1)
0.8	>=0.20	NOP58 (3.0)	SUGP1 (2.3)	OST4 (2.1)
0.8	>=0.20	TECTB (6.5)	LRP4 (3.8)	FUT2 (3.7)
0.8	>=0.20	EIF2B4 (4.6)	MTCH2 (4.4)	IMMT (3.5)
0.8	>=0.20	DHODH (3.6)	POLR1A (3.1)	TXNL4B (2.5)
0.8	>=0.20	ENSG00000253379 (3	ENSG00000223522 (2	CCDC121 (2.4)
0.8	>=0.20	WDR76 (4.7)	BCL7B (3.4)	BAZ1B (3.2)
0.8	>=0.20	OST4 (3.6)	GATAD2A (2.5)	NOP58 (2.4)
0.8	>=0.20	NRBP1 (2.7)	MADD (2.6)	CHMP3 (2.5)
0.8	>=0.20	HAPLN4 (4.4)	EPB41L3 (2.8)	CTSB (2.6)
0.8	>=0.20	IMMT (4.0)	SDCBP (3.3)	CHMP3 (2.8)
0.8	>=0.20	FNBP4 (4.5)	LSM12 (3.3)	CELF1 (3.1)
0.8	>=0.20	MTCH2 (4.3)	NFE2L3 (3.5)	EIF2B4 (3.3)
0.8	>=0.20	ENSG00000257711 (2	PCIF1 (2.4)	MAU2 (2.3)
0.8	>=0.20	MTF2 (3.6)	KDM3A (3.3)	USP1 (2.4)
0.8	>=0.20	C8orf49 (4.0)	ABO (2.4)	GATA4 (2.3)
0.8	>=0.20	FNDC4 (3.0)	PBX4 (2.7)	DPYSL5 (2.4)
0.8	>=0.20	C2orf16 (3.5)	LRP4 (3.0)	RSPO3 (2.2)
0.8	>=0.20	ZNF408 (2.9)	SUMO1 (2.8)	FNBP4 (2.5)
0.8	>=0.20	USP1 (4.0)	NOP58 (3.6)	CAD (3.6)
0.8	>=0.20	CHMP3 (3.4)	GATAD2A (3.0)	PTPRJ (2.9)
0.8	>=0.20	GMIP (3.4)	CD300LG (2.1)	RASIP1 (2.0)
0.8	>=0.20	UCN (2.5)	DOCK7 (2.4)	REEP1 (2.2)
0.8	>=0.20	MTCH2 (3.8)	EIF3J (3.1)	NFE2L3 (3.0)
0.8	>=0.20	MTCH2 (3.6)	FEN1 (3.6)	WDR76 (3.2)
0.8	>=0.20	LINC00208 (2.6)	IGF2R (2.5)	PTPRJ (2.3)
0.8	>=0.20	PLTP (3.4)	ENSG00000235545 (2	GPAM (2.4)
0.8	>=0.20	AFF1 (1.9)	KDM3A (1.8)	BNC2 (1.7)
0.8	>=0.20	JMJD1C (3.6)	MAPRE3 (2.2)	ENSG00000182329 (2
0.8	>=0.20	WDR76 (5.4)	FEN1 (4.0)	TUBGCP4 (3.7)
0.8	>=0.20	ENSG00000253379 (4	SOST (3.0)	IZUMO1 (2.5)
0.8	>=0.20	FAM167A (3.2)	MAMSTR (3.0)	SDCBP (3.0)
0.8	>=0.20	MPP2 (2.5)	C2orf53 (1.9)	CD300LG (1.9)
0.8	>=0.20	SLC30A3 (2.9)	CSGALNACT1 (2.2)	HAPLN4 (1.9)
0.8	>=0.20	MTCH2 (4.0)	EIF2B4 (3.5)	NFE2L3 (3.5)
0.81	>=0.20	ENSG00000255020 (2	RASIP1 (2.6)	KANK2 (2.4)

0.81	>=0.20	GPN2 (4.0)	MTMR9 (2.9)	INTS10 (2.7)
0.81	>=0.20	BAZ1B (3.9)	BUD13 (3.5)	ARID1A (3.4)
0.81	>=0.20	ENSG00000234945 (2	MTMR9 (2.5)	JMJD1C (2.5)
0.81	>=0.20	PCSK7 (3.6)	AFF1 (3.1)	PAFAH1B2 (2.4)
0.81	>=0.20	FNDC4 (3.2)	MAP1A (3.2)	DPYSL5 (2.8)
0.81	>=0.20	GMIP (3.2)	ARHGAP1 (3.0)	TAGLN (2.6)
0.81	>=0.20	EIF3J (4.1)	NOP58 (3.7)	CATSPER2 (3.5)
0.81	>=0.20	CKAP5 (4.0)	TMEM175 (4.0)	FEN1 (2.8)
0.81	>=0.20	MTCH2 (2.8)	KBTBD4 (2.7)	NDUFS3 (2.3)
0.81	>=0.20	JMJD1C (3.2)	TUBGCP4 (2.9)	LSM12 (2.7)
0.81	>=0.20	GTF3C2 (2.8)	ZNF259 (2.8)	INTS10 (2.7)
0.81	>=0.20	PPM1G (2.7)	DOCK7 (2.6)	SUMO1 (2.5)
0.81	>=0.20	PPY (6.9)	HP (2.8)	HGFAC (2.3)
0.81	>=0.20	UBXN2B (2.8)	PGS1 (1.9)	ATG4C (1.9)
0.81	>=0.20	BCL7B (3.3)	EIF3J (3.2)	CITED2 (2.7)
0.81	>=0.20	BMPR2 (3.4)	GATAD2A (3.3)	ZNF259 (2.9)
0.81	>=0.20	MYBPC3 (8.6)	TRIM54 (7.0)	FRMD5 (4.4)
0.81	>=0.20	ARID1A (3.2)	DR1 (3.1)	PCIF1 (2.7)
0.81	>=0.20	BUD13 (2.5)	HARBI1 (2.4)	SUMO1 (2.2)
0.81	>=0.20	KLF14 (3.0)	MAMSTR (2.6)	CD300LG (2.3)
0.81	>=0.20	TMEM214 (6.0)	PREB (4.9)	ARHGAP1 (4.2)
0.81	>=0.20	TMEM214 (6.0)	PREB (4.9)	ARHGAP1 (4.2)
0.81	>=0.20	DDB2 (3.5)	RBKS (2.4)	MFAP1 (2.4)
0.81	>=0.20	CYP26A1 (4.3)	SOST (3.7)	LRP4 (3.7)
0.81	>=0.20	GPN1 (2.9)	CAD (2.7)	DHX38 (2.6)
0.81	>=0.20	KLF14 (3.2)	ENSG00000256746 (2	FUT1 (2.2)
0.81	>=0.20	CCDC121 (3.0)	BNC2 (2.5)	ENSG00000234945 (2
0.81	>=0.20	DDB2 (2.5)	TXNL4B (2.3)	PBX4 (2.1)
0.81	>=0.20	AGBL5 (3.6)	DHX38 (2.9)	NRBP1 (2.8)
0.81	>=0.20	GPN1 (3.7)	CCDC121 (3.6)	MRPL35 (3.0)
0.81	>=0.20	GPN1 (3.7)	CCDC121 (3.6)	MRPL35 (3.0)
0.81	>=0.20	GPN2 (3.8)	ZNF513 (3.5)	MTF2 (3.1)
0.81	>=0.20	FADS2 (5.1)	FDFT1 (4.9)	FADS1 (4.5)
0.81	>=0.20	C8orf49 (4.4)	ATG4C (3.2)	GATA4 (2.9)
0.81	>=0.20	ATG13 (3.6)	MPV17 (3.2)	TMEM175 (2.8)
0.81	>=0.20	TMEM175 (5.5)	ENSG00000200241 (3	STRC (2.6)
0.81	>=0.20	LSM12 (3.5)	GPN2 (3.1)	NRBF2 (3.0)
0.81	>=0.20	RASIP1 (2.9)	CD300LG (2.8)	FNDC4 (2.7)
0.81	>=0.20	MTCH2 (3.9)	EIF2B4 (3.7)	NFE2L3 (3.3)
0.81	>=0.20	UCN (3.4)	DNAH10 (3.0)	C17orf105 (2.6)
0.81	>=0.20	CHMP3 (3.6)	MAMSTR (3.3)	TSSK6 (2.6)
0.81	>=0.20	SUMO1 (3.2)	EIF2B4 (2.7)	ARFGAP2 (2.6)
0.81	>=0.20	CLPTM1 (3.4)	MADD (3.2)	MPP2 (3.1)
0.81	>=0.20	LINC00208 (2.3)	BCL3 (1.8)	FNBP4 (1.7)
0.81	>=0.20	DNAJC5G (4.0)	WDR76 (3.0)	ENSG00000257711 (2
0.81	>=0.20	TXNL4B (4.0)	SUMO1 (3.1)	GPN2 (2.9)
0.81	>=0.20	FUT2 (7.2)	IZUMO1 (4.7)	PCSK7 (2.7)
0.81	>=0.20	MTCH2 (3.7)	SNX17 (3.4)	ARFGAP2 (3.2)
0.81	>=0.20	FDFT1 (5.4)	FADS1 (5.3)	FADS2 (5.2)
0.81	>=0.20	FDFT1 (5.4)	FADS1 (5.3)	FADS2 (5.2)

0.81	>=0.20	C8orf49 (7.0)	MTMR9 (3.2)	ENSG00000255020 (2
0.81	>=0.20	TAGLN (3.1)	PPIP5K1 (3.0)	GMIP (2.7)
0.81	>=0.20	TRIM54 (5.5)	PACSIN3 (4.8)	MAMSTR (3.3)
0.81	>=0.20	HDAC5 (3.0)	AMBRA1 (2.4)	ZNF335 (2.2)
0.81	>=0.20	ENSG00000179523 (3	DOCK7 (3.0)	ATG4C (2.5)
0.81	>=0.20	TAGLN (3.4)	SDCBP (3.3)	ENSG00000182319 (3
0.81	>=0.20	ENSG00000257711 (2	PTPMT1 (2.0)	FUT1 (1.8)
0.81	>=0.20	ENSG00000253379 (3	SOST (3.1)	CYP26A1 (3.0)
0.81	>=0.20	C1orf172 (2.6)	BCAM (2.5)	HAVCR1 (2.5)
0.81	>=0.20	NOP58 (3.2)	PTCD3 (2.6)	DHX38 (2.5)
0.81	>=0.20	FUT2 (4.1)	PCSK7 (3.1)	AGBL2 (2.7)
0.81	>=0.20	FADS2 (2.6)	FADS1 (2.4)	VEGFA (2.3)
0.81	>=0.20	NDUFS3 (3.8)	MRPL35 (3.4)	TOMM40 (2.8)
0.81	>=0.20	AFF1 (2.6)	ENSG00000256746 (2	AGBL5 (2.2)
0.81	>=0.20	TAGLN (4.2)	TMEM214 (2.6)	EMILIN1 (2.2)
0.81	>=0.20	DHX38 (3.7)	PCIF1 (2.8)	GPN1 (2.7)
0.81	>=0.20	TRIM54 (6.8)	PACSIN3 (3.3)	MYBPC3 (2.3)
0.81	>=0.20	WDR76 (3.2)	BCL7B (3.2)	AGBL5 (2.6)
0.81	>=0.20	MTCH2 (4.5)	NFE2L3 (3.6)	EIF2B4 (3.2)
0.81	>=0.20	MTCH2 (4.6)	NDUFS3 (3.4)	NFE2L3 (3.4)
0.81	>=0.20	ZNF259 (3.8)	NOP58 (3.8)	POLR1A (3.7)
0.81	>=0.20	ZNF408 (3.0)	ZNF513 (2.7)	HARBI1 (2.4)
0.81	>=0.20	ZNF408 (3.0)	ZNF513 (2.7)	HARBI1 (2.4)
0.81	>=0.20	ZNF408 (3.0)	ZNF513 (2.7)	HARBI1 (2.4)
0.81	>=0.20	GPN2 (4.5)	ZNF513 (3.5)	NRBF2 (3.1)
0.81	>=0.20	NSMAF (3.3)	ATG13 (2.7)	UBXN2B (2.3)
0.81	>=0.20	GPN2 (4.0)	GTF3C2 (3.2)	EIF2B4 (3.0)
0.81	>=0.20	ENSG00000257711 (3	ENSG00000234945 (3	TDH (2.4)
0.81	>=0.20	PDIA3 (8.7)	CLPTM1 (3.5)	TMEM214 (2.7)
0.81	>=0.20	BLK (3.9)	PCSK7 (2.6)	ACP2 (2.4)
0.81	>=0.20	DHODH (3.3)	CAD (3.1)	SUPT7L (2.7)
0.81	>=0.20	CKAP5 (3.6)	TMEM175 (3.6)	DNAH10 (2.9)
0.81	>=0.20	CHMP3 (3.7)	PCSK7 (2.6)	ABO (2.4)
0.81	>=0.20	PYY (6.2)	PPY (6.2)	TECTB (3.3)
0.81	>=0.20	ENSG00000253379 (5	CYP26A1 (4.2)	CGREF1 (4.0)
0.82	>=0.20	TMEM175 (3.8)	PIGV (3.7)	G6PC3 (3.2)
0.82	>=0.20	ENSG00000223522 (3	NEIL2 (2.6)	ENSG00000200241 (1
0.82	>=0.20	ENSG00000223522 (3	FADS2 (3.3)	PDIA3 (3.1)
0.82	>=0.20	CASC4 (3.5)	BLK (3.3)	ZDHHC18 (2.7)
0.82	>=0.20	TMEM214 (5.9)	PREB (4.6)	TBL2 (3.5)
0.82	>=0.20	MRPL35 (3.7)	SUPT7L (2.9)	ENSG00000256746 (2
0.82	>=0.20	TRIM54 (6.0)	PACSIN3 (3.9)	SFN (3.3)
0.82	>=0.20	BCL3 (3.4)	PTPRJ (2.9)	NFE2L3 (2.7)
0.82	>=0.20	CMIP (3.3)	FADS2 (3.0)	AFF1 (2.9)
0.82	>=0.20	ATG4C (3.8)	PLA2G6 (3.5)	ENSG00000226645 (2
0.82	>=0.20	ATG4C (3.8)	PLA2G6 (3.5)	ENSG00000226645 (2
0.82	>=0.20	LPAL2 (3.4)	NAT2 (3.2)	ENSG00000234945 (3
0.82	>=0.20	OST4 (4.1)	NOP58 (3.2)	NSMAF (2.3)
0.82	>=0.20	EIF3J (3.8)	NOP58 (3.7)	ZNF259 (3.5)
0.82	>=0.20	STRC (2.9)	MPP2 (2.9)	FZD9 (2.5)

0.82	>=0.20	ENSG00000223745 (2	CCDC18 (2.3)	WDR76 (2.1)
0.82	>=0.20	C2orf28 (3.9)	MTCH2 (3.5)	NDUFS3 (2.8)
0.82	>=0.20	FDFT1 (4.0)	FADS2 (3.1)	DPYSL5 (2.8)
0.82	>=0.20	ZNF513 (2.7)	ATG4C (2.5)	GMIP (2.2)
0.82	>=0.20	BAZ1B (2.7)	LSM12 (2.4)	CASC4 (2.4)
0.82	>=0.20	PVRL2 (2.5)	MTMR9 (2.3)	CCDC92 (2.2)
0.82	>=0.20	SLC5A6 (3.6)	TM6SF2 (3.1)	KHK (3.0)
0.82	>=0.20	FUT2 (3.2)	PTPN13 (2.9)	C11orf9 (1.8)
0.82	>=0.20	SDC1 (3.9)	FUT2 (3.1)	CSGALNACT1 (2.5)
0.82	>=0.20	ARID1A (4.1)	LSM12 (3.7)	GPN2 (3.0)
0.82	>=0.20	PLTP (4.1)	RFX4 (3.8)	CSGALNACT1 (2.7)
0.82	>=0.20	MTCH2 (4.4)	NDUFS3 (3.5)	EIF2B4 (3.4)
0.82	>=0.20	MFAP1 (2.6)	DR1 (2.5)	EIF3J (2.5)
0.82	>=0.20	ZNF513 (3.0)	MAFF (2.5)	ATG4C (2.3)
0.82	>=0.20	TMEM214 (3.8)	CGREF1 (3.1)	PREB (3.1)
0.82	>=0.20	PREB (3.7)	HARBI1 (3.6)	TMEM214 (3.5)
0.82	>=0.20	FDFT1 (5.7)	FADS1 (5.5)	FADS2 (5.3)
0.82	>=0.20	FDFT1 (5.7)	FADS1 (5.5)	FADS2 (5.3)
0.82	>=0.20	SFN (3.0)	ZNF513 (2.8)	FUT1 (2.6)
0.82	>=0.20	HDAC5 (2.4)	MPV17 (2.4)	SNX17 (2.3)
0.82	>=0.20	CATSPER2 (2.5)	PLA2G6 (2.4)	SIK3 (2.2)
0.82	>=0.20	ATG13 (2.8)	TMEM214 (2.7)	PAFAH1B2 (2.6)
0.82	>=0.20	PDIA3 (4.1)	TBL2 (3.7)	ATP13A1 (3.7)
0.82	>=0.20	C2orf53 (2.2)	PMFBP1 (2.1)	MPP2 (2.0)
0.82	>=0.20	DNAH10 (2.9)	CCDC121 (2.7)	CYP26A1 (2.5)
0.82	>=0.20	C17orf105 (5.0)	C2orf53 (4.3)	PMFBP1 (4.1)
0.82	>=0.20	ABO (2.8)	KLF14 (2.6)	C8orf12 (2.3)
0.82	>=0.20	MTCH2 (5.1)	IMMT (4.8)	NDUFS3 (3.2)
0.82	>=0.20	MAPRE3 (3.6)	NCAN (3.5)	ENSG00000235545 (3
0.82	>=0.20	CYP26A1 (2.9)	KRTCAP3 (2.8)	RSPO3 (2.6)
0.82	>=0.20	SLC30A3 (2.2)	CELF1 (2.0)	ENSG00000235545 (1
0.82	>=0.20	CASC4 (3.4)	PBX4 (2.8)	DPYSL5 (2.7)
0.82	>=0.20	NEIL2 (3.2)	IMMT (2.9)	NFE2L3 (2.7)
0.82	>=0.20	JMJD1C (3.0)	AFF1 (2.4)	ENSG00000256731 (2
0.82	>=0.20	DHODH (4.7)	ZNF259 (3.4)	C2orf28 (2.5)
0.82	>=0.20	ENSG00000236267 (2	ENSG00000256746 (2	MAP1A (2.2)
0.82	>=0.20	PACSIN3 (5.3)	TRIM54 (5.3)	MAMSTR (4.3)
0.82	>=0.20	TXNL4B (3.5)	NR1H3 (2.5)	JMJD1C (2.3)
0.82	>=0.20	BNC2 (2.8)	ENSG00000223522 (2	DPYSL5 (2.6)
0.82	>=0.20	CCDC18 (3.4)	CASC4 (2.6)	TMED5 (2.5)
0.82	>=0.20	NCAN (4.1)	RFX4 (3.9)	DPYSL5 (3.1)
0.82	>=0.20	MPP2 (3.5)	SLC30A3 (3.2)	ENSG00000235545 (2
0.82	>=0.20	CKAP5 (4.0)	TMEM175 (4.0)	FEN1 (2.8)
0.82	>=0.20	CKAP5 (4.0)	TMEM175 (4.0)	FEN1 (2.8)
0.82	>=0.20	ZNF259 (3.8)	TOMM40 (3.2)	SLC5A6 (2.8)
0.82	>=0.20	TRIB1 (3.2)	DR1 (3.1)	MADD (2.7)
0.82	>=0.20	TECTB (4.4)	LINC00208 (2.5)	DUSP3 (2.3)
0.82	>=0.20	PTPN13 (3.5)	AGBL2 (3.2)	ZNF512 (2.7)
0.82	>=0.20	NSMAF (2.8)	BLK (2.7)	KDM3A (2.6)
0.82	>=0.20	ZDHHC18 (3.3)	BLK (3.1)	PBX4 (2.6)

0.82	>=0.20	PREB (2.8)	MPV17 (2.7)	DUSP3 (2.6)
0.82	>=0.20	FUT1 (3.0)	TDH (2.5)	CBLC (2.4)
0.82	>=0.20	CYP26A1 (3.1)	CCDC121 (3.1)	PTPN13 (2.4)
0.82	>=0.20	C2orf16 (3.0)	LPAR2 (2.9)	UCN (2.8)
0.82	>=0.20	ABHD1 (3.4)	ANGPTL4 (2.3)	CGREF1 (2.2)
0.82	>=0.20	ABHD1 (3.4)	ANGPTL4 (2.3)	CGREF1 (2.2)
0.82	>=0.20	ENSG00000256746 (2	ENSG00000253379 (2	SIK3 (2.2)
0.82	>=0.20	NCAN (4.1)	LRP4 (2.6)	DOCK7 (2.5)
0.82	>=0.20	ZNF408 (3.3)	BUD13 (2.9)	SUMO1 (2.7)
0.82	>=0.20	SLC30A3 (3.4)	HAPLN4 (3.1)	REEP1 (2.8)
0.82	>=0.20	TECTB (3.9)	NCAN (3.2)	DPYSL5 (2.9)
0.82	>=0.20	MRPL33 (6.4)	NDUFS3 (4.8)	OST4 (3.4)
0.82	>=0.20	PCSK7 (3.5)	AFF1 (3.2)	PAFAH1B2 (3.2)
0.82	>=0.20	RFX4 (3.5)	ENSG00000256746 (3	PPY (2.9)
0.82	>=0.20	MAMSTR (6.7)	PACSIN3 (3.4)	FZD9 (3.0)
0.82	>=0.20	POLR1A (3.8)	ZNF259 (3.6)	DHODH (3.3)
0.82	>=0.20	TAGLN (5.8)	ARHGAP1 (4.0)	KANK2 (3.0)
0.82	>=0.20	PTCD3 (3.8)	ZNF259 (3.5)	TBL2 (3.1)
0.82	>=0.20	NUP160 (3.5)	CKAP5 (3.2)	USP1 (2.7)
0.82	>=0.20	CCDC121 (2.9)	FUT1 (2.7)	DNAJC5G (2.6)
0.82	>=0.20	ENSG00000223522 (3	NEIL2 (2.4)	HARBI1 (1.8)
0.82	>=0.20	VEGFA (2.4)	CATSPER2 (2.2)	KDM3A (2.2)
0.82	>=0.20	NDUFS3 (5.8)	MRPL33 (5.5)	MRPL35 (5.0)
0.82	>=0.20	CCDC121 (2.9)	ENSG00000253379 (2	BNC2 (2.7)
0.82	>=0.20	KHK (3.9)	NCAN (2.7)	CASC4 (2.5)
0.82	>=0.20	ZNF513 (3.8)	ENSG00000226645 (2	ATG4C (2.2)
0.82	>=0.20	CD300LG (2.9)	GATAD2A (2.8)	GMIP (2.7)
0.82	>=0.20	ARID1A (3.5)	USP1 (2.9)	DR1 (2.0)
0.82	>=0.20	CHMP3 (2.1)	PPIP5K1 (2.1)	DNAH10 (1.9)
0.82	>=0.20	TRNP1 (2.8)	C2orf16 (2.1)	TRIB1 (2.1)
0.83	>=0.20	ENSG00000253379 (3	RSPO3 (3.1)	TMEM101 (2.4)
0.83	>=0.20	ENSG00000236827 (3	ENSG00000256746 (2	UCN (1.9)
0.83	>=0.20	KLF14 (2.9)	SLC30A3 (2.4)	FGF21 (2.4)
0.83	>=0.20	MAMSTR (6.2)	JMJD1C (3.9)	LRP4 (3.7)
0.83	>=0.20	MAMSTR (6.2)	JMJD1C (3.9)	LRP4 (3.7)
0.83	>=0.20	ZNF513 (3.0)	ATG4C (2.3)	NRBF2 (2.3)
0.83	>=0.20	HAPLN4 (5.1)	EPB41L3 (4.2)	MAP1A (2.8)
0.83	>=0.20	C11orf9 (3.1)	HAPLN4 (2.9)	MAPK10 (2.7)
0.83	>=0.20	SUGP1 (3.4)	MRPL33 (2.6)	ZNF259 (2.4)
0.83	>=0.20	SUGP1 (3.4)	MRPL33 (2.6)	ZNF259 (2.4)
0.83	>=0.20	DNAJC5G (3.0)	BAZ1B (2.5)	USP1 (2.5)
0.83	>=0.20	EIF2B4 (3.3)	MTCH2 (3.0)	NRBP1 (2.8)
0.83	>=0.20	NR0B2 (4.3)	GATA4 (3.8)	C2orf16 (2.9)
0.83	>=0.20	LRP4 (4.6)	PTPN13 (3.8)	CYP26A1 (2.8)
0.83	>=0.20	HAPLN4 (2.3)	MPP3 (2.2)	C1QTNF4 (2.0)
0.83	>=0.20	ENSG00000255020 (2	PCIF1 (2.4)	SLC22A3 (2.1)
0.83	>=0.20	PAFAH1B2 (3.5)	CCDC92 (3.1)	PTPRJ (3.0)
0.83	>=0.20	C17orf105 (5.5)	TSSK6 (5.3)	C2orf53 (5.0)
0.83	>=0.20	MTF2 (3.9)	FEN1 (3.8)	BAZ1B (3.6)
0.83	>=0.20	C17orf105 (8.5)	C2orf53 (7.2)	TSSK6 (6.4)

0.83	>=0.20	ENSG00000179523 (4	SUPT7L (3.1)	ZNF512 (3.0)
0.83	>=0.20	TMEM214 (5.2)	ATG13 (5.0)	PREB (4.4)
0.83	>=0.20	TECTB (4.4)	FZD9 (2.6)	C8orf49 (2.3)
0.83	>=0.20	COBLL1 (2.1)	C8orf49 (1.9)	CETP (1.9)
0.83	>=0.20	SUMO1 (3.5)	MRPL35 (3.0)	REEP3 (2.6)
0.83	>=0.20	ENSG00000223522 (3	FNBP4 (3.5)	ENSG00000223745 (2
0.83	>=0.20	LPAL2 (3.4)	CSGALNACT1 (3.0)	BNC2 (2.7)
0.83	>=0.20	HAVCR1 (3.7)	MPV17 (3.0)	C1QTNF4 (2.6)
0.83	>=0.20	WDR76 (3.1)	BCL7B (3.1)	AGBL5 (2.5)
0.83	>=0.20	ENSG00000200241 (3	UCN (2.5)	C2orf16 (2.2)
0.83	>=0.20	MPP3 (3.5)	APOE (2.1)	HP (2.0)
0.83	>=0.20	IGF2R (2.5)	PCIF1 (2.5)	LSM12 (2.5)
0.83	>=0.20	ENSG00000256746 (2	C17orf105 (1.8)	PMFBP1 (1.7)
0.83	>=0.20	BNC2 (3.2)	C8orf12 (2.1)	ENSG00000182329 (2
0.83	>=0.20	BUD13 (3.5)	GTF3C2 (3.2)	BAZ1B (2.9)
0.83	>=0.20	TXNL4B (3.5)	MFAP1 (3.1)	INTS10 (2.9)
0.83	>=0.20	SFN (3.6)	FUT1 (2.1)	ENSG00000253379 (1
0.83	>=0.20	NDUFS3 (6.6)	MRPL33 (5.5)	MRPL35 (4.6)
0.83	>=0.20	OST4 (4.3)	NOP58 (2.8)	MRPL33 (2.7)
0.83	>=0.20	ENSG00000223522 (4	IZUMO1 (2.5)	ENSG00000257711 (2
0.83	>=0.20	C8orf49 (3.2)	GATA4 (3.1)	RSPO3 (2.7)
0.83	>=0.20	FDFT1 (2.9)	PLA2G6 (2.5)	CYP7A1 (2.4)
0.83	>=0.20	MPV17 (2.7)	MAPRE3 (2.5)	ENSG00000254235 (2
0.83	>=0.20	MPV17 (2.7)	MAPRE3 (2.5)	ENSG00000254235 (2
0.83	>=0.20	NDUFS3 (5.8)	MRPL33 (5.8)	MRPL35 (5.0)
0.83	>=0.20	PBX4 (3.2)	RASIP1 (2.4)	CMIP (2.3)
0.83	>=0.20	MAP1A (3.9)	MADD (3.9)	MPP2 (3.3)
0.83	>=0.20	LINC00208 (4.3)	NAGS (2.4)	APOA5 (1.9)
0.83	>=0.20	PCSK7 (4.2)	MADD (3.6)	GMIP (2.7)
0.83	>=0.20	PDIA3 (7.2)	NCAN (3.4)	MAP1A (2.5)
0.83	>=0.20	MAMSTR (5.5)	TRIM54 (4.2)	PACSIN3 (4.2)
0.83	>=0.20	CCDC92 (2.3)	ENSG00000179523 (2	GALNT2 (2.3)
0.83	>=0.20	ENSG00000236267 (4	ABO (3.9)	UCN (2.8)
0.83	>=0.20	C2orf16 (3.5)	CYP26A1 (3.5)	ABO (3.4)
0.83	>=0.20	PCSK7 (3.6)	TRNP1 (3.4)	CHMP3 (3.2)
0.83	>=0.20	CD300LG (3.1)	GMIP (2.6)	AMBRA1 (2.5)
0.83	>=0.20	FUT1 (2.9)	ATP13A1 (2.9)	PVRL2 (2.8)
0.83	>=0.20	ENSG00000234945 (2	JMJD1C (2.1)	ZDHHC18 (2.0)
0.83	>=0.20	BCAM (3.1)	RSPO3 (2.9)	ENSG00000179523 (2
0.83	>=0.20	C8orf49 (3.9)	ABO (2.8)	GATA4 (2.2)
0.83	>=0.20	TMEM101 (2.5)	TXNL4B (2.4)	AGBL2 (2.3)
0.83	>=0.20	CCDC92 (3.0)	MADD (2.8)	C11orf9 (2.5)
0.83	>=0.20	RFX4 (3.7)	NCAN (3.2)	SDC1 (2.8)
0.83	>=0.20	MTCH2 (3.6)	FEN1 (3.3)	NDUFS3 (3.0)
0.83	>=0.20	ENSG00000222035 (3	IZUMO1 (2.6)	STRC (2.6)
0.83	>=0.20	BCAM (2.4)	COBLL1 (2.4)	ENSG00000253379 (2
0.83	>=0.20	MYBPC3 (4.5)	GATA4 (4.1)	TRIM54 (3.9)
0.83	>=0.20	DNAJC5G (2.4)	ENSG00000222035 (2	RFX4 (2.1)
0.83	>=0.20	KHK (4.3)	SLC5A6 (3.1)	ANGPTL3 (2.9)
0.83	>=0.20	PTPRJ (2.4)	KLF14 (2.3)	REEP3 (1.9)

0.83	>=0.20	CCDC18 (5.2)	CKAP5 (3.6)	TP53BP1 (3.3)
0.83	>=0.20	KLF14 (2.8)	DPYSL5 (2.7)	CETP (2.4)
0.83	>=0.20	TRNP1 (2.8)	CLPTM1 (2.8)	MPP3 (2.7)
0.83	>=0.20	NCAN (4.0)	MPP2 (3.4)	MAPRE3 (2.8)
0.83	>=0.20	NCAN (4.0)	MPP2 (3.4)	MAPRE3 (2.8)
0.83	>=0.20	GPN2 (2.4)	GATAD2A (2.0)	ATG4C (2.0)
0.84	>=0.20	PYY (2.9)	ENSG00000236267 (2	LPAL2 (2.4)
0.84	>=0.20	CSGALNACT1 (2.6)	ENSG00000257711 (2	VEGFA (2.1)
0.84	>=0.20	PCSK7 (3.1)	ENSG00000257711 (2	BRE (2.5)
0.84	>=0.20	C11orf9 (3.2)	NCAN (3.2)	ARHGAP1 (2.4)
0.84	>=0.20	ABO (1.9)	CTSB (1.9)	UCN (1.8)
0.84	>=0.20	NAT2 (2.2)	MAPK10 (1.9)	C2orf16 (1.9)
0.84	>=0.20	OST4 (4.6)	CASC4 (4.3)	TMEM214 (4.2)
0.84	>=0.20	LSM12 (2.7)	MPV17 (2.5)	GPN1 (2.4)
0.84	>=0.20	DDB2 (3.9)	FEN1 (3.6)	USP1 (3.5)
0.84	>=0.20	KDM3A (3.9)	GALNT2 (2.7)	FADS2 (2.5)
0.84	>=0.20	MPV17 (3.0)	GTF3C2 (2.4)	SUPT7L (2.4)
0.84	>=0.20	FDFT1 (8.7)	FADS2 (6.4)	FADS1 (5.9)
0.84	>=0.20	NDUFS3 (5.9)	MRPL33 (5.7)	MRPL35 (4.8)
0.84	>=0.20	C11orf9 (2.3)	MAPK10 (2.2)	C1QTNF4 (2.1)
0.84	>=0.20	PPIP5K1 (2.5)	GMIP (2.4)	ARHGAP1 (2.3)
0.84	>=0.20	TUBGCP4 (3.0)	HDAC5 (2.9)	ZDHHC18 (2.8)
0.84	>=0.20	FUT2 (3.6)	PIGV (2.9)	UBXN2B (2.5)
0.84	>=0.20	SUMO1 (3.4)	KDM3A (3.1)	NRBF2 (2.9)
0.84	>=0.20	BCL7B (5.1)	SUGP1 (3.3)	ZNF335 (3.3)
0.84	>=0.20	SLC5A6 (3.2)	MLXIPL (2.5)	SIK3 (2.4)
0.84	>=0.20	APOE (3.2)	C11orf9 (2.9)	CTSB (2.7)
0.84	>=0.20	MPP3 (2.9)	MAP1A (2.8)	MAPK10 (2.8)
0.84	>=0.20	MFAP1 (3.9)	GPN2 (3.5)	NRBF2 (2.7)
0.84	>=0.20	CITED2 (2.7)	SFN (2.5)	CCDC18 (2.4)
0.84	>=0.20	NOP58 (3.8)	ZNF259 (3.6)	POLR1A (3.4)
0.84	>=0.20	NUP160 (3.0)	ARID1A (3.0)	SPG11 (2.9)
0.84	>=0.20	TAGLN (3.9)	TRIM54 (3.2)	ENSG00000182319 (2
0.84	>=0.20	IZUMO1 (3.2)	TDH (2.8)	PBX4 (2.2)
0.84	>=0.20	NDUFS3 (5.7)	MRPL33 (4.5)	OST4 (4.3)
0.84	>=0.20	MPV17 (2.9)	DHODH (2.5)	C17orf105 (2.3)
0.84	>=0.20	BLK (2.9)	SIDT2 (2.6)	RBKS (2.2)
0.84	>=0.20	BNC2 (2.9)	IZUMO1 (2.5)	ENSG00000179523 (2
0.84	>=0.20	LINC00208 (3.5)	BLK (2.5)	IGF2R (2.4)
0.84	>=0.20	TRIB1 (4.6)	CITED2 (3.0)	MAFF (3.0)
0.84	>=0.20	PBX4 (3.0)	ENSG00000257711 (2	BLK (2.4)
0.84	>=0.20	SDCBP (3.0)	MADD (2.7)	IGF2R (2.3)
0.84	>=0.20	TP53BP1 (2.5)	PPIP5K1 (2.5)	MRPL33 (2.4)
0.84	>=0.20	ENSG00000253379 (5	CYP26A1 (3.9)	LRP4 (3.9)
0.84	>=0.20	GMIP (3.8)	BLK (3.4)	ZDHHC18 (2.7)
0.84	>=0.20	NDUFS3 (6.4)	MRPL33 (5.2)	MRPL35 (5.2)
0.84	>=0.20	IZUMO1 (3.7)	ZDHHC18 (2.7)	NEIL2 (2.3)
0.84	>=0.20	PDIA3 (3.7)	DR1 (2.8)	PPM1G (2.1)
0.84	>=0.20	MTCH2 (3.8)	NFE2L3 (3.2)	NDUFS3 (2.9)
0.84	>=0.20	NR0B2 (3.2)	KHK (2.8)	C11orf9 (2.4)

0.84	>=0.20	EIF3J (4.8)	ZNF259 (4.0)	SUGP1 (3.4)
0.84	>=0.20	USP1 (4.4)	FEN1 (4.0)	CAD (2.6)
0.84	>=0.20	OST4 (3.8)	MRPL33 (2.9)	NDUFS3 (1.7)
0.84	>=0.20	PDIA3 (3.8)	GPN1 (3.3)	TRIB1 (2.6)
0.84	>=0.20	ENSG00000235545 (3	CYP26A1 (2.7)	LRP4 (2.5)
0.84	>=0.20	WDR76 (3.6)	USP1 (3.1)	DDB2 (3.0)
0.84	>=0.20	WDR76 (3.6)	USP1 (3.1)	DDB2 (3.0)
0.84	>=0.20	IZUMO1 (3.0)	ENSG00000234945 (3	C2orf16 (2.6)
0.84	>=0.20	ATG13 (4.5)	MAPRE3 (3.1)	ARFGAP2 (3.0)
0.84	>=0.20	DDB2 (2.6)	CTDSPL2 (2.4)	PAFAH1B2 (2.3)
0.84	>=0.20	PCIF1 (3.1)	BAZ1B (2.9)	AMBRA1 (2.9)
0.84	>=0.20	LINC00208 (3.9)	TECTB (2.3)	C2orf53 (2.2)
0.84	>=0.20	MTCH2 (4.3)	IMMT (4.0)	PDIA3 (3.6)
0.84	>=0.20	ENSG00000182319 (2	SLC5A6 (2.3)	SDC1 (2.2)
0.84	>=0.20	EPB41L3 (2.5)	DPYSL5 (2.4)	TRIB1 (2.4)
0.84	>=0.20	ENSG00000255020 (3	DDB2 (2.6)	EIF2B4 (2.4)
0.84	>=0.20	TSSK6 (6.1)	C2orf53 (5.6)	C17orf105 (3.9)
0.84	>=0.20	MTCH2 (4.0)	NFE2L3 (3.1)	MRPL35 (3.0)
0.84	>=0.20	LSM12 (2.7)	ZNF335 (2.7)	DR1 (2.5)
0.84	>=0.20	SLC22A3 (3.3)	TMEM101 (3.2)	C2orf53 (3.0)
0.84	>=0.20	DR1 (3.4)	MTMR9 (3.4)	MFAP1 (3.1)
0.84	>=0.20	OST4 (4.2)	NSMAF (2.0)	ENSG00000223522 (1
0.84	>=0.20	RSPO3 (3.1)	DNAH10 (2.4)	CYP26A1 (2.4)
0.84	>=0.20	MTMR9 (3.5)	NEIL2 (3.0)	RIC8B (3.0)
0.84	>=0.20	KDM3A (2.4)	BCL3 (2.1)	C2orf53 (2.1)
0.84	>=0.20	FEN1 (6.7)	WDR76 (6.6)	USP1 (4.3)
0.84	>=0.20	HDAC5 (3.4)	NRBP1 (2.7)	CLPTM1 (2.7)
0.84	>=0.20	BMPR2 (2.6)	SLC30A3 (2.6)	C1QTNF4 (2.6)
0.84	>=0.20	GPN2 (3.7)	GTF3C2 (3.3)	KBTBD4 (3.3)
0.84	>=0.20	RIC8B (3.1)	CCDC121 (2.6)	CHMP3 (2.3)
0.84	>=0.20	ZNF664 (2.5)	PYY (2.4)	GMIP (2.3)
0.84	>=0.20	CTDSPL2 (2.6)	CCDC18 (2.4)	WDR76 (2.4)
0.84	>=0.20	AGBL2 (2.8)	HDAC5 (2.4)	TP53BP1 (2.3)
0.84	>=0.20	ARID1A (2.8)	DPYSL5 (2.2)	RFX4 (2.1)
0.84	>=0.20	CCDC18 (2.9)	CKAP5 (2.8)	MYBPC3 (2.5)
0.84	>=0.20	BNC2 (3.1)	NCAN (2.9)	KLF14 (2.8)
0.84	>=0.20	NFE2L3 (2.7)	BCL3 (2.6)	NR1H3 (1.7)
0.84	>=0.20	KBTBD4 (3.1)	DR1 (2.8)	RIC8B (2.8)
0.84	>=0.20	MAMSTR (5.5)	REEP1 (2.7)	SLC22A3 (2.5)
0.84	>=0.20	GATAD2A (3.2)	BAZ1B (3.1)	ARID1A (3.1)
0.84	>=0.20	CHMP3 (4.1)	PCSK7 (3.1)	TRNP1 (2.7)
0.84	>=0.20	TMEM214 (7.1)	PREB (5.4)	ARHGAP1 (3.7)
0.84	>=0.20	MADD (2.7)	CMIP (2.7)	TRNP1 (2.3)
0.84	>=0.20	BUD13 (3.6)	ATG13 (3.5)	GPN2 (3.1)
0.85	>=0.20	C8orf49 (5.2)	GATA4 (3.8)	MYBPC3 (3.1)
0.85	>=0.20	PTPRJ (4.2)	TAGLN (3.0)	ARHGAP1 (2.8)
0.85	>=0.20	CHMP3 (3.2)	C11orf9 (2.8)	TRNP1 (2.7)
0.85	>=0.20	FEN1 (5.0)	WDR76 (4.6)	DDB2 (4.1)
0.85	>=0.20	DHODH (3.2)	EIF2B4 (3.0)	PTCD3 (2.7)
0.85	>=0.20	DR1 (3.0)	ARID1A (2.7)	ZNF664 (2.6)

0.85	>=0.20	CILP2 (4.2)	FZD9 (3.9)	KLF14 (3.6)
0.85	>=0.20	TMEM214 (4.0)	PPY (3.3)	MPP2 (2.6)
0.85	>=0.20	LPAR2 (3.4)	KRTCAP3 (3.1)	SLC30A3 (2.9)
0.85	>=0.20	DOCK6 (4.3)	ENSG00000182319 (3	CD300LG (2.9)
0.85	>=0.20	ENSG00000257711 (2	C8orf12 (2.4)	DNAH10 (2.3)
0.85	>=0.20	MAMSTR (5.2)	PACSIN3 (3.6)	TRIM54 (3.3)
0.85	>=0.20	TXNL4B (3.6)	MFAP1 (3.3)	INTS10 (2.8)
0.85	>=0.20	NOP58 (2.8)	GATAD2A (2.0)	EIF3J (1.9)
0.85	>=0.20	CYP26A1 (2.8)	RSPO3 (2.5)	CILP2 (2.1)
0.85	>=0.20	MTF2 (3.7)	KDM3A (3.3)	ENSG00000223745 (2
0.85	>=0.20	TXNL4B (3.1)	NRBF2 (2.7)	C2orf53 (2.6)
0.85	>=0.20	GMIP (3.1)	ARHGAP1 (3.1)	CMIP (3.0)
0.85	>=0.20	TOMM40 (2.8)	PDIA3 (2.6)	INTS10 (2.3)
0.85	>=0.20	PVRL2 (2.1)	ZNF408 (2.0)	EPB41L3 (1.7)
0.85	>=0.20	FEN1 (5.2)	WDR76 (5.0)	DDB2 (3.8)
0.85	>=0.20	ENSG00000253379 (2	LRP4 (2.6)	BCAM (2.4)
0.85	>=0.20	DHODH (3.8)	PTCD3 (3.1)	IMMT (2.8)
0.85	>=0.20	TECTB (3.5)	MAP1A (3.2)	DOCK7 (2.8)
0.85	>=0.20	SUGP1 (4.6)	PCIF1 (2.8)	DHX38 (2.7)
0.85	>=0.20	GPN2 (4.0)	ZNF259 (3.8)	POLR1A (2.7)
0.85	>=0.20	ABO (2.9)	DPYSL5 (2.4)	C2orf53 (2.4)
0.85	>=0.20	TSSK6 (4.1)	C2orf53 (3.7)	C17orf105 (2.9)
0.85	>=0.20	MAFF (3.1)	TRIB1 (2.9)	DDB2 (2.9)
0.85	>=0.20	NOP58 (3.0)	CAD (2.8)	GMIP (2.7)
0.85	>=0.20	ARID1A (3.3)	JMJD1C (3.3)	PCIF1 (2.4)
0.85	>=0.20	PPY (6.7)	PYY (6.5)	APOA4 (3.9)
0.85	>=0.20	MAPK10 (3.7)	KLF14 (2.8)	DNAH10 (2.5)
0.85	>=0.20	PBX4 (2.3)	RFX4 (2.2)	C17orf105 (2.1)
0.85	>=0.20	EMILIN1 (4.4)	FZD9 (3.5)	TAGLN (2.6)
0.85	>=0.20	PPM1G (2.8)	NRBP1 (2.3)	TOMM40 (2.2)
0.85	>=0.20	TRIM54 (3.8)	PACSIN3 (2.3)	IGF2R (2.3)
0.85	>=0.20	IMMT (3.2)	MTCH2 (2.8)	MRPL35 (2.6)
0.85	>=0.20	BCL3 (3.6)	PDIA3 (3.1)	PBX4 (2.5)
0.85	>=0.20	ENSG00000200241 (3	TDH (2.5)	DDB2 (2.3)
0.85	>=0.20	BAZ1B (3.3)	PCIF1 (2.9)	ARID1A (2.8)
0.85	>=0.20	ATG4C (2.9)	STRC (2.3)	DR1 (2.0)
0.85	>=0.20	MADD (3.5)	ATG4C (3.1)	GMIP (3.0)
0.85	>=0.20	APOA4 (3.7)	IGF2R (3.1)	APOC3 (2.7)
0.85	>=0.20	DHODH (3.0)	TXNL4B (2.9)	ENSG00000223745 (2
0.85	>=0.20	DHODH (3.0)	TXNL4B (2.9)	ENSG00000223745 (2
0.85	>=0.20	DHODH (3.0)	TXNL4B (2.9)	ENSG00000223745 (2
0.85	>=0.20	CKAP5 (5.1)	FEN1 (3.6)	TMEM175 (3.0)
0.85	>=0.20	PDIA3 (6.5)	CTSB (2.5)	HAPLN4 (2.4)
0.85	>=0.20	PDIA3 (6.5)	CTSB (2.5)	HAPLN4 (2.4)
0.85	>=0.20	PDIA3 (6.5)	CTSB (2.5)	HAPLN4 (2.4)
0.85	>=0.20	NOP58 (2.8)	GPN1 (2.7)	ZNF259 (2.6)
0.85	>=0.20	CILP2 (8.0)	EMILIN1 (5.0)	TAGLN (2.6)
0.85	>=0.20	KBTBD4 (3.6)	BUD13 (3.0)	BAZ1B (2.6)
0.85	>=0.20	RBKS (3.3)	PIGV (2.9)	NFE2L3 (2.9)
0.85	>=0.20	CETP (2.4)	SDCBP (2.4)	C1QTNF4 (2.2)

0.85	>=0.20	SPG11 (4.1)	ATP13A1 (3.6)	DHX38 (3.5)
0.85	>=0.20	NRBF2 (2.9)	CBLC (2.4)	ENSG00000236827 (2
0.85	>=0.20	KLF14 (2.6)	C2orf53 (2.4)	MAPRE3 (2.4)
0.85	>=0.20	PGS1 (2.8)	AGBL2 (2.3)	ENSG00000236827 (2
0.85	>=0.20	MYBPC3 (6.5)	TRIM54 (3.9)	GATA4 (2.9)
0.85	>=0.20	HAPLN4 (5.8)	KHK (3.2)	RFX4 (2.8)
0.85	>=0.20	NDUFS3 (4.7)	MRPL33 (3.4)	OST4 (3.1)
0.85	>=0.20	REEP1 (2.7)	MADD (2.3)	DUSP3 (2.3)
0.85	>=0.20	ZNF513 (4.0)	GPN2 (3.9)	TXNL4B (3.2)
0.85	>=0.20	NEIL2 (2.7)	ENSG00000235545 (2	LPAL2 (2.2)
0.85	>=0.20	TECTB (2.2)	DDB2 (1.9)	HAPLN4 (1.8)
0.85	>=0.20	HAPLN4 (4.5)	C1QTNF4 (3.6)	MPP2 (3.2)
0.85	>=0.20	BLK (3.7)	NRBF2 (2.4)	TIMD4 (2.3)
0.85	>=0.20	BLK (3.7)	NRBF2 (2.4)	TIMD4 (2.3)
0.85	>=0.20	MFAP1 (2.2)	LSM12 (2.2)	ENSG00000236827 (2
0.85	>=0.20	RASIP1 (3.2)	DOCK6 (3.1)	ZNF335 (3.0)
0.85	>=0.20	ATG13 (3.7)	ARFGAP2 (3.5)	EIF3J (2.5)
0.85	>=0.20	PTCD3 (3.2)	IMMT (3.1)	EIF2B4 (2.5)
0.85	>=0.20	C11orf9 (3.1)	C1QTNF4 (2.7)	HAPLN4 (2.6)
0.85	>=0.20	TAGLN (3.4)	SDCBP (3.2)	ARHGAP1 (3.1)
0.85	>=0.20	RFX4 (3.5)	C2orf53 (3.1)	FRMD5 (2.4)
0.85	>=0.20	PLTP (2.8)	CCDC121 (2.0)	FNDC4 (1.9)
0.85	>=0.20	FNBP4 (4.2)	CELF1 (3.8)	OST4 (3.0)
0.85	>=0.20	DPYSL5 (3.7)	NCAN (3.0)	MPP2 (2.6)
0.85	>=0.20	ENSG00000223745 (2	ENSG00000236267 (2	FNBP4 (2.6)
0.85	>=0.20	MAPK10 (3.5)	MPP2 (3.2)	HAPLN4 (3.1)
0.85	>=0.20	MAPK10 (3.5)	MPP2 (3.2)	HAPLN4 (3.1)
0.85	>=0.20	MAPK10 (3.5)	MPP2 (3.2)	HAPLN4 (3.1)
0.85	>=0.20	CHMP3 (2.9)	HAPLN4 (2.6)	SLC22A3 (2.4)
0.85	>=0.20	FZD9 (3.4)	NAT2 (2.4)	MADD (2.3)
0.85	>=0.20	MPP3 (2.8)	CMIP (2.2)	LINC00208 (2.1)
0.85	>=0.20	BLK (3.1)	APOC1 (2.3)	SIDT2 (2.2)
0.85	>=0.20	TAGLN (3.0)	ARHGAP1 (2.3)	IMMT (2.1)
0.85	>=0.20	SLC30A3 (4.2)	NCAN (2.9)	C1QTNF4 (2.8)
0.85	>=0.20	AGBL2 (4.2)	TSSK6 (3.1)	DNAH10 (3.1)
0.85	>=0.20	LINC00208 (3.9)	FGF21 (2.2)	ZDHHC18 (2.1)
0.85	>=0.20	LINC00208 (3.9)	FGF21 (2.2)	ZDHHC18 (2.1)
0.85	>=0.20	BAZ1B (3.0)	LSM12 (2.8)	PCIF1 (2.8)
0.85	>=0.20	MRPL35 (6.1)	NDUFS3 (4.0)	PTPMT1 (3.5)
0.85	>=0.20	USP1 (2.9)	FEN1 (2.4)	ARID1A (2.1)
0.85	>=0.20	SUGP1 (2.7)	PCIF1 (2.1)	SUMO1 (1.8)
0.85	>=0.20	BCL7B (5.4)	SUGP1 (3.2)	ZNF335 (3.1)
0.85	>=0.20	DNAH10 (3.1)	CCDC121 (2.5)	CYP26A1 (2.4)
0.85	>=0.20	NR0B2 (4.1)	GATA4 (3.5)	C11orf9 (2.6)
0.85	>=0.20	CLPTM1 (4.1)	ARHGAP1 (3.4)	PCSK7 (2.6)
0.85	>=0.20	TOMM40 (3.7)	NOP58 (2.8)	MRPL35 (2.5)
0.85	>=0.20	TXNL4B (2.4)	SUGP1 (2.2)	CTDSPL2 (2.1)
0.86	>=0.20	SUMO1 (2.4)	C11orf9 (2.3)	CATSPER2 (2.1)
0.86	>=0.20	DOCK6 (4.3)	RASIP1 (3.4)	CD300LG (3.1)
0.86	>=0.20	PDIA3 (6.6)	TMEM214 (4.7)	C2orf28 (4.3)

0.86	>=0.20	DHODH (3.6)	EIF2B4 (2.7)	PTCD3 (2.4)
0.86	>=0.20	MPP2 (2.4)	FGF21 (2.3)	MAMSTR (2.0)
0.86	>=0.20	ENSG00000253379 (4	RSPO3 (2.9)	ENSG00000236827 (2
0.86	>=0.20	ENSG00000223522 (3	RIC8B (2.8)	DNAJC5G (2.6)
0.86	>=0.20	RSPO3 (2.5)	ENSG00000234945 (2	C1orf172 (2.4)
0.86	>=0.20	MRPL35 (5.1)	PTCD3 (4.1)	GPN1 (3.9)
0.86	>=0.20	USP1 (3.2)	SUPT7L (2.8)	ENSG00000200241 (2
0.86	>=0.20	WDR76 (6.4)	FEN1 (6.1)	USP1 (5.3)
0.86	>=0.20	GMIP (3.9)	ZDHHC18 (2.1)	ARFGAP2 (2.0)
0.86	>=0.20	NFE2L3 (3.3)	NSMAF (3.1)	PGS1 (2.5)
0.86	>=0.20	NCAN (3.6)	RFX4 (3.4)	FZD9 (2.9)
0.86	>=0.20	PBX4 (3.6)	PCSK7 (2.5)	PGS1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	FEN1 (2.7)	USP1 (2.6)	SUMO1 (2.4)
0.86	>=0.20	ZNF512 (3.8)	SUMO1 (3.2)	MFAP1 (2.8)
0.86	>=0.20	MPP2 (3.9)	SLC30A3 (3.4)	C1QTNF4 (2.7)
0.86	>=0.20	JMJD1C (2.0)	IGF2R (2.0)	DOCK6 (2.0)
0.86	>=0.20	EMILIN1 (4.8)	FZD9 (3.5)	TAGLN (3.4)
0.86	>=0.20	PTPRJ (2.5)	NCAN (2.2)	DDB2 (2.2)
0.86	>=0.20	BLK (3.1)	ENSG00000236267 (2	ACP2 (2.3)
0.86	>=0.20	MTCH2 (3.5)	EIF2B4 (3.5)	NFE2L3 (3.0)
0.86	>=0.20	MTCH2 (4.1)	EIF2B4 (3.5)	NFE2L3 (2.8)
0.86	>=0.20	TRIM54 (6.4)	MLXIPL (3.1)	PACSIN3 (2.8)
0.86	>=0.20	LINC00208 (3.4)	NFE2L3 (3.0)	C8orf12 (2.7)
0.86	>=0.20	MAFF (3.5)	MPP2 (2.8)	MADD (2.4)
0.86	>=0.20	TRIM54 (8.0)	PACSIN3 (5.0)	MYBPC3 (3.9)
0.86	>=0.20	BLK (7.0)	PBX4 (2.4)	GMIP (2.2)
0.86	>=0.20	BCL3 (3.6)	NFE2L3 (2.5)	LINC00208 (2.2)
0.86	>=0.20	PPIP5K1 (3.3)	CHMP3 (3.2)	TP53BP1 (2.5)
0.86	>=0.20	CD300LG (3.0)	CLPTM1 (2.7)	OST4 (2.6)
0.86	>=0.20	TP53BP1 (2.8)	GPN2 (2.8)	TMEM101 (2.6)
0.86	>=0.20	CYP26A1 (3.3)	RSPO3 (3.0)	CILP2 (2.3)
0.86	>=0.20	ENSG00000253379 (2	PTPN13 (2.3)	MAMSTR (2.3)
0.86	>=0.20	SLC30A3 (3.2)	REEP1 (2.9)	C8orf12 (2.7)
0.86	>=0.20	INTS10 (3.4)	RIC8B (2.7)	MTMR9 (2.6)
0.86	>=0.20	C8orf49 (5.7)	C8orf12 (3.3)	SOST (3.1)
0.86	>=0.20	DHODH (3.0)	MPV17 (2.9)	ENSG00000179523 (2
0.86	>=0.20	TMEM101 (2.7)	ABHD1 (2.1)	CASC4 (2.0)
0.86	>=0.20	AGBL2 (4.0)	HAVCR1 (3.6)	RBKS (3.0)
0.86	>=0.20	KHK (3.7)	CSGALNACT1 (2.5)	COBLL1 (2.1)
0.86	>=0.20	KHK (2.8)	BCL7B (2.5)	COBLL1 (2.4)
0.86	>=0.20	PYY (2.1)	ENSG00000223522 (2	MADD (1.8)
0.86	>=0.20	TXNL4B (4.4)	GPN2 (4.3)	ZNF513 (3.4)

0.86	>=0.20	DPYSL5 (2.9)	PBX4 (2.9)	PYY (2.2)
0.86	>=0.20	MPP3 (3.6)	MAPK10 (2.3)	TECTB (2.3)
0.86	>=0.20	RFX4 (3.7)	DPYSL5 (2.8)	PTPN13 (2.5)
0.86	>=0.20	BLK (3.4)	GMIP (3.2)	ENSG00000257711 (1
0.86	>=0.20	PBX4 (3.2)	ENSG00000236267 (2	ENSG00000234945 (2
0.86	>=0.20	FAM167A (3.2)	BCAM (2.7)	C1orf172 (2.6)
0.86	>=0.20	DHODH (3.6)	PTCD3 (3.4)	PTPMT1 (2.6)
0.86	>=0.20	DHODH (3.4)	SUGP1 (3.1)	INTS10 (2.4)
0.86	>=0.20	CETP (2.7)	NCAN (2.5)	C2orf53 (2.2)
0.86	>=0.20	CELF1 (2.5)	BMPR2 (2.4)	RIC8B (2.4)
0.86	>=0.20	PDIA3 (5.3)	LINC00208 (3.9)	CATSPER2 (3.2)
0.86	>=0.20	PDIA3 (5.3)	LINC00208 (3.9)	CATSPER2 (3.2)
0.86	>=0.20	PDIA3 (5.3)	LINC00208 (3.9)	CATSPER2 (3.2)
0.86	>=0.20	APOE (3.3)	C2orf28 (3.0)	PCSK7 (2.7)
0.86	>=0.20	ARHGAP1 (3.4)	MAU2 (2.5)	MADD (2.3)
0.86	>=0.20	C8orf12 (3.6)	SOST (3.3)	C2orf53 (2.4)
0.86	>=0.20	C8orf49 (7.7)	GATA4 (3.4)	LPAR2 (3.1)
0.86	>=0.20	CBLC (3.5)	ENSG00000182319 (3	DUSP3 (2.9)
0.86	>=0.20	PAFAH1B2 (3.0)	C8orf12 (2.5)	AFF1 (2.5)
0.86	>=0.20	PAFAH1B2 (3.5)	CCDC92 (3.1)	CSGALNACT1 (2.8)
0.86	>=0.20	C2orf53 (3.0)	PGS1 (2.9)	ZDHHC18 (2.6)
0.86	>=0.20	NOP58 (2.9)	EIF2B4 (2.5)	PPM1G (2.4)
0.86	>=0.20	ARID1A (3.7)	BAZ1B (3.0)	KDM3A (2.6)
0.86	>=0.20	IZUMO1 (3.0)	ZNF513 (2.5)	HP (2.3)
0.86	>=0.20	DNAJC5G (3.5)	ENSG00000234945 (2	KRTCAP3 (2.8)
0.86	>=0.20	PMFBP1 (3.0)	COBLL1 (2.3)	TSSK6 (2.2)
0.86	>=0.20	BNC2 (3.0)	CCDC121 (3.0)	ABO (2.6)
0.86	>=0.20	BNC2 (2.4)	REEP3 (2.3)	DNAH10 (2.2)
0.86	>=0.20	ENSG00000235545 (3	ENSG00000223745 (2	ENSG00000254235 (2
0.86	>=0.20	ZNF664 (3.1)	ENSG00000226645 (2	NRBF2 (2.3)
0.86	>=0.20	MPP2 (4.1)	SLC30A3 (3.3)	MAP1A (3.1)
0.86	>=0.20	RSPO3 (3.1)	ENSG00000253379 (3	DNAH10 (2.5)
0.86	>=0.20	FEN1 (6.1)	WDR76 (6.0)	USP1 (5.1)
0.86	>=0.20	BLK (3.5)	LINC00208 (2.8)	APOE (1.8)
0.86	>=0.20	GPN2 (4.9)	ZNF513 (3.8)	KBTBD4 (3.3)
0.86	>=0.20	ENSG00000179523 (2	LSM12 (2.5)	CMIP (2.4)
0.86	>=0.20	SNX17 (2.4)	BCL7B (2.3)	TRNP1 (2.3)
0.86	>=0.20	MTF2 (3.4)	PPM1G (3.2)	USP1 (3.1)
0.86	>=0.20	PCSK7 (2.6)	BLK (2.2)	CAD (2.0)
0.86	>=0.20	BNC2 (2.6)	DNAJC5G (2.1)	C2orf53 (2.1)
0.86	>=0.20	ZNF513 (4.7)	LSM12 (3.3)	BUD13 (3.2)
0.86	>=0.20	KHK (4.7)	ANGPTL3 (3.0)	SLC5A6 (2.7)
0.86	>=0.20	DUSP3 (3.3)	CTSB (3.3)	ATG13 (2.9)
0.86	>=0.20	RBKS (2.7)	KHK (2.5)	PGS1 (2.3)
0.86	>=0.20	TRNP1 (2.3)	CTDSPL2 (2.2)	DR1 (2.2)
0.87	>=0.20	USP1 (2.7)	PCIF1 (2.7)	ZNF664 (2.6)
0.87	>=0.20	ENSG00000256746 (3	ENSG00000222035 (2	FUT1 (2.5)
0.87	>=0.20	FEN1 (4.6)	WDR76 (4.4)	MTCH2 (3.5)
0.87	>=0.20	FEN1 (4.6)	WDR76 (4.4)	MTCH2 (3.5)
0.87	>=0.20	BLK (3.7)	GMIP (2.2)	CATSPER2 (2.2)

0.87	>=0.20	NDUFS3 (6.0)	OST4 (4.7)	MRPL35 (4.4)
0.87	>=0.20	MTCH2 (3.9)	NFE2L3 (3.0)	NDUFS3 (2.9)
0.87	>=0.20	TRIM54 (4.1)	MAMSTR (4.0)	REEP1 (3.1)
0.87	>=0.20	RIC8B (3.2)	PTPRJ (3.0)	ZDHHC18 (2.4)
0.87	>=0.20	TDH (3.6)	TSSK6 (3.1)	ENSG00000222035 (2
0.87	>=0.20	FDFT1 (3.2)	FADS1 (3.0)	GPN2 (2.9)
0.87	>=0.20	HAVCR1 (3.0)	ENSG00000234945 (2	RSPO3 (2.5)
0.87	>=0.20	RASIP1 (3.3)	MYBPC3 (2.7)	LPL (2.4)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	MFAP1 (3.6)	DR1 (3.2)	MRPL33 (3.1)
0.87	>=0.20	RASIP1 (5.5)	CD300LG (2.1)	ZNF664 (2.0)
0.87	>=0.20	WDR76 (3.5)	BCL7B (3.3)	AGBL5 (2.9)
0.87	>=0.20	ARID1A (3.4)	UBXN2B (2.8)	TRIB1 (2.6)
0.87	>=0.20	C1orf172 (3.5)	LRP4 (3.5)	PTPN13 (3.2)
0.87	>=0.20	FEN1 (5.1)	WDR76 (4.8)	DDB2 (4.6)
0.87	>=0.20	NDUFS3 (6.1)	MRPL33 (5.9)	MRPL35 (4.7)
0.87	>=0.20	USP1 (3.0)	FEN1 (2.4)	MTF2 (2.2)
0.87	>=0.20	DNAJC5G (3.2)	ENSG00000234945 (2	ENSG00000182319 (2
0.87	>=0.20	NEIL2 (2.3)	PGS1 (2.1)	ENSG00000236827 (1
0.87	>=0.20	NEIL2 (2.3)	PGS1 (2.1)	ENSG00000236827 (1
0.87	>=0.20	MADD (3.3)	HDAC5 (2.6)	C8orf12 (2.5)
0.87	>=0.20	GATA4 (4.7)	NR0B2 (4.1)	SIDT2 (2.9)
0.87	>=0.20	BLK (2.8)	ZDHHC18 (2.3)	PCSK7 (2.2)
0.87	>=0.20	ENSG00000253379 (3	GPN2 (2.4)	BUD13 (2.3)
0.87	>=0.20	MPP2 (2.3)	ABO (2.0)	TDH (2.0)
0.87	>=0.20	PTCD3 (2.4)	SIK3 (2.3)	SLC5A6 (2.1)
0.87	>=0.20	PDIA3 (3.3)	TMED5 (3.0)	G6PC3 (2.7)
0.87	>=0.20	RFX4 (5.3)	MAFF (3.0)	TRIB1 (2.8)
0.87	>=0.20	FEN1 (5.1)	WDR76 (4.0)	DDB2 (3.4)
0.87	>=0.20	EPB41L3 (3.8)	MPP2 (3.6)	MAPRE3 (2.7)
0.87	>=0.20	FEN1 (4.3)	WDR76 (4.3)	DDB2 (4.1)
0.87	>=0.20	MFAP1 (3.8)	TXNL4B (3.6)	DR1 (3.2)
0.87	>=0.20	ENSG00000256731 (3	ENSG00000236267 (2	FUT1 (2.1)
0.87	>=0.20	AFF1 (2.7)	KLF14 (2.0)	BMPR2 (1.7)
0.87	>=0.20	DPYSL5 (3.8)	MPP2 (3.1)	MAP1A (3.0)
0.87	>=0.20	ABHD1 (2.8)	CASC4 (2.5)	IZUMO1 (2.3)
0.87	>=0.20	FDFT1 (7.6)	FADS1 (6.6)	FADS2 (5.3)
0.87	>=0.20	DR1 (3.3)	ARID1A (3.0)	BAZ1B (2.5)
0.87	>=0.20	UCN (2.9)	PMFBP1 (2.7)	PPY (2.2)
0.87	>=0.20	UCN (2.9)	PMFBP1 (2.7)	PPY (2.2)
0.87	>=0.20	C2orf53 (5.9)	TSSK6 (5.4)	C17orf105 (5.2)
0.87	>=0.20	USP1 (4.4)	MTF2 (3.8)	FEN1 (3.2)
0.87	>=0.20	IGF2R (3.3)	KBTBD4 (2.8)	NRBF2 (2.5)
0.87	>=0.20	NRBP1 (4.1)	ARFGAP2 (3.0)	ATG13 (2.7)
0.87	>=0.20	KHK (3.2)	C1orf172 (3.1)	CBLC (3.0)
0.87	>=0.20	BCL7B (6.1)	ZNF335 (2.8)	IFT172 (2.6)

0.87	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	NDUFS3 (3.2)
0.87	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	NDUFS3 (3.2)
0.87	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	NDUFS3 (3.2)
0.87	>=0.20	NDUFS3 (6.1)	MRPL33 (4.8)	OST4 (4.5)
0.87	>=0.20	C8orf12 (2.5)	KHK (2.3)	RBKS (2.3)
0.87	>=0.20	ATG4C (2.6)	ZNF513 (2.5)	NRBF2 (2.2)
0.87	>=0.20	LSM12 (2.8)	ZNF664 (2.6)	ARID1A (2.5)
0.87	>=0.20	CTDSPL2 (2.4)	MAP1A (2.4)	ENSG00000223745 (2
0.87	>=0.20	BCL7B (5.4)	SUGP1 (3.1)	KBTBD4 (3.1)
0.87	>=0.20	CCDC121 (3.2)	ENSG00000254235 (3	TDH (2.5)
0.87	>=0.20	MTCH2 (4.4)	NFE2L3 (3.6)	NDUFS3 (3.5)
0.87	>=0.20	MTCH2 (4.4)	NFE2L3 (3.6)	NDUFS3 (3.5)
0.87	>=0.20	MTCH2 (4.4)	NFE2L3 (3.6)	NDUFS3 (3.5)
0.87	>=0.20	WDR76 (3.8)	SPG11 (3.2)	BAZ1B (3.1)
0.87	>=0.20	HAPLN4 (3.6)	MAPK10 (3.5)	MPP2 (3.3)
0.87	>=0.20	TRIB1 (3.7)	MADD (2.9)	MAFF (2.7)
0.87	>=0.20	HAVCR1 (3.6)	RFX4 (2.6)	ENSG00000236827 (2
0.87	>=0.20	HAVCR1 (3.6)	RFX4 (2.6)	ENSG00000236827 (2
0.87	>=0.20	C2orf28 (3.5)	MTCH2 (3.1)	NFE2L3 (3.0)
0.87	>=0.20	BCL7B (3.3)	CKAP5 (2.8)	PPM1G (2.6)
0.87	>=0.20	SFN (3.3)	CYP26A1 (3.1)	ENSG00000223522 (3
0.87	>=0.20	CHMP3 (4.2)	PCSK7 (3.3)	TRNP1 (2.8)
0.87	>=0.20	MYBPC3 (5.1)	FRMD5 (3.6)	ENSG00000257711 (3
0.87	>=0.20	TMEM214 (3.9)	PPY (3.3)	MPP2 (2.7)
0.87	>=0.20	NCAN (4.3)	MPP2 (3.7)	C1QTNF4 (3.2)
0.87	>=0.20	NRBP1 (2.9)	CCDC121 (2.9)	TAGLN (2.8)
0.87	>=0.20	DUSP3 (3.7)	SLC30A3 (3.3)	VEGFA (2.7)
0.87	>=0.20	HDAC5 (3.1)	ZNF408 (2.8)	DOCK7 (2.4)
0.87	>=0.20	HDAC5 (3.1)	ZNF408 (2.8)	DOCK7 (2.4)
0.87	>=0.20	MTCH2 (4.3)	MRPL35 (3.2)	IMMT (3.2)
0.87	>=0.20	SNX17 (4.7)	MTCH2 (4.2)	NRBP1 (3.8)
0.87	>=0.20	ENSG00000256746 (3	ENSG00000222035 (2	FUT1 (2.4)
0.87	>=0.20	SUMO1 (2.3)	KDM3A (2.0)	USP1 (2.0)
0.87	>=0.20	NEIL2 (2.8)	ENSG00000235545 (2	PBX4 (2.0)
0.87	>=0.20	RSPO3 (2.5)	MLXIPL (2.5)	LRP4 (2.2)
0.87	>=0.20	FEN1 (3.7)	ARID1A (3.2)	WDR76 (3.1)
0.87	>=0.20	SUMO1 (2.8)	CELF1 (2.2)	NOP58 (2.1)
0.87	>=0.20	ENSG00000223522 (2	CYP26A1 (2.5)	BCAM (2.3)
0.87	>=0.20	ENSG00000179523 (3	PAFAH1B2 (3.2)	TP53BP1 (3.0)
0.87	>=0.20	C8orf49 (6.8)	GATA4 (3.6)	LPAR2 (2.6)
0.87	>=0.20	WDR76 (5.2)	MTF2 (3.9)	FEN1 (3.8)
0.87	>=0.20	WDR76 (5.2)	MTF2 (3.9)	FEN1 (3.8)
0.87	>=0.20	KLF14 (2.6)	DUSP3 (2.4)	C8orf49 (2.1)
0.87	>=0.20	PYY (3.7)	CCDC121 (2.8)	ENSG00000254235 (2
0.87	>=0.20	ENSG00000255020 (2	ZNF512 (2.7)	PCIF1 (2.7)
0.87	>=0.20	CITED2 (2.2)	SDC1 (2.1)	SLC5A6 (2.1)
0.87	>=0.20	NCAN (2.7)	DPYSL5 (2.6)	MAP1A (2.5)
0.87	>=0.20	DR1 (2.7)	PIGV (2.7)	REEP3 (2.6)
0.87	>=0.20	BUD13 (2.1)	BAZ1B (2.1)	DOCK7 (2.1)
0.87	>=0.20	ARID1A (4.1)	BAZ1B (3.4)	PPM1G (3.2)

0.88	>=0.20	TSSK6 (3.8)	C17orf105 (3.1)	SUPT7L (3.1)
0.88	>=0.20	CILP2 (3.2)	ENSG00000253379 (2	PTPN13 (2.5)
0.88	>=0.20	CILP2 (3.2)	ENSG00000253379 (2	PTPN13 (2.5)
0.88	>=0.20	SLC30A3 (2.4)	PYY (2.1)	MPP2 (2.1)
0.88	>=0.20	EPB41L3 (2.7)	ZDHHC18 (2.6)	PBX4 (2.3)
0.88	>=0.20	TECTB (4.2)	SOST (3.0)	FZD9 (3.0)
0.88	>=0.20	ZNF513 (3.2)	IZUMO1 (2.6)	DDB2 (2.5)
0.88	>=0.20	DNAJC5G (3.0)	MTF2 (2.8)	ZNF664 (2.8)
0.88	>=0.20	KRTCAP3 (3.3)	BNC2 (3.2)	C11orf9 (2.5)
0.88	>=0.20	PDIA3 (7.5)	NCAN (3.8)	PLTP (2.3)
0.88	>=0.20	PCIF1 (3.0)	ARID1A (2.8)	BCL7B (2.7)
0.88	>=0.20	ENSG00000182329 (4	BNC2 (2.9)	MAPK10 (2.9)
0.88	>=0.20	ATG13 (2.8)	CMIP (2.7)	MAPRE3 (2.5)
0.88	>=0.20	TXNL4B (3.3)	DHODH (2.9)	ENSG00000179523 (2
0.88	>=0.20	MAMSTR (4.6)	FZD9 (2.6)	TRIM54 (2.4)
0.88	>=0.20	C11orf9 (2.3)	LPAL2 (2.1)	KLF14 (2.0)
0.88	>=0.20	SNX17 (2.9)	GPN1 (2.7)	PPM1G (2.1)
0.88	>=0.20	WDR76 (6.5)	FEN1 (6.2)	USP1 (4.3)
0.88	>=0.20	GMIP (2.7)	ATG4C (2.5)	PTPRJ (2.5)
0.88	>=0.20	DHODH (3.6)	TOMM40 (3.5)	MRPL35 (3.4)
0.88	>=0.20	NCAN (3.4)	RFX4 (3.2)	DPYSL5 (3.0)
0.88	>=0.20	TRIM54 (5.8)	PACSIN3 (4.5)	MAMSTR (3.7)
0.88	>=0.20	ZNF259 (3.9)	NOP58 (3.9)	POLR1A (3.6)
0.88	>=0.20	DNAJC5G (5.7)	C8orf12 (3.3)	C8orf49 (2.9)
0.88	>=0.20	DNAJC5G (5.7)	C8orf12 (3.3)	C8orf49 (2.9)
0.88	>=0.20	DNAJC5G (5.7)	C8orf12 (3.3)	C8orf49 (2.9)
0.88	>=0.20	AGBL5 (2.6)	DDB2 (2.2)	WDR76 (2.0)
0.88	>=0.20	SUMO1 (3.7)	PAFAH1B2 (2.6)	SIDT2 (2.3)
0.88	>=0.20	TXNL4B (3.3)	BUD13 (2.9)	SUMO1 (2.9)
0.88	>=0.20	ENSG00000200241 (3	NFE2L3 (2.6)	EIF2B4 (2.5)
0.88	>=0.20	MYBPC3 (6.2)	TRIM54 (4.6)	PACSIN3 (3.6)
0.88	>=0.20	MAPRE3 (3.8)	DUSP3 (3.0)	TRNP1 (2.6)
0.88	>=0.20	ZNF408 (2.8)	NEIL2 (2.5)	TECTB (2.4)
0.88	>=0.20	ENSG00000255020 (3	DDB2 (2.6)	C8orf12 (2.4)
0.88	>=0.20	EMILIN1 (2.6)	SOST (2.4)	COBLL1 (2.2)
0.88	>=0.20	MRPL35 (5.9)	NDUFS3 (3.6)	MRPL33 (3.5)
0.88	>=0.20	TRIM54 (7.9)	MYBPC3 (6.8)	PACSIN3 (4.0)
0.88	>=0.20	RFX4 (3.5)	ENSG00000256746 (2	PTPN13 (2.6)
0.88	>=0.20	CTDSPL2 (2.9)	ZNF664 (2.7)	DR1 (2.6)
0.88	>=0.20	BUD13 (2.8)	ARID1A (2.5)	PAFAH1B2 (2.4)
0.88	>=0.20	GATA4 (3.5)	MYBPC3 (2.6)	ENSG00000256731 (2
0.88	>=0.20	CHMP3 (2.9)	REEP1 (2.3)	MAP1A (2.2)
0.88	>=0.20	FGF21 (2.7)	NRBP1 (2.5)	IGF2R (2.4)
0.88	>=0.20	NDUFS3 (6.1)	MRPL33 (5.8)	MRPL35 (4.9)
0.88	>=0.20	CKAP5 (5.6)	CCDC18 (5.0)	FEN1 (2.5)
0.88	>=0.20	FEN1 (4.2)	WDR76 (3.9)	DDB2 (3.7)
0.88	>=0.20	ATG4C (3.6)	ENSG00000226645 (2	ENSG00000236827 (2
0.88	>=0.20	MAPK10 (3.2)	KLF14 (2.7)	EPB41L3 (2.3)
0.88	>=0.20	KLF14 (3.2)	DNAJC5G (2.6)	C11orf9 (2.4)
0.88	>=0.20	FGF21 (3.4)	PCSK7 (2.2)	NRBP1 (2.0)

0.88	>=0.20	UCN (3.0)	EPB41L3 (2.4)	STRC (2.1)
0.88	>=0.20	IGF2R (3.1)	IZUMO1 (3.0)	ENSG00000236267 (2
0.88	>=0.20	EIF2B4 (3.0)	UCN (2.5)	UBXN2B (2.4)
0.88	>=0.20	NRBP1 (3.1)	ENSG00000223522 (2	ARFGAP2 (2.7)
0.88	>=0.20	MTMR9 (3.0)	SUPT7L (2.9)	MAU2 (2.7)
0.88	>=0.20	CKAP5 (5.2)	FEN1 (3.6)	CCDC18 (2.9)
0.88	>=0.20	CHMP3 (2.6)	NFE2L3 (2.2)	BCL7B (2.0)
0.88	>=0.20	FEN1 (7.2)	WDR76 (6.1)	USP1 (4.9)
0.88	>=0.20	NDUFS3 (6.5)	MRPL33 (5.7)	MRPL35 (4.6)
0.88	>=0.20	GMIP (2.7)	ENSG00000182319 (2	CD300LG (2.4)
0.88	>=0.20	GPN2 (4.4)	ZNF513 (3.6)	TXNL4B (3.4)
0.88	>=0.20	ENSG00000255020 (3	EIF2B4 (2.9)	MTCH2 (2.6)
0.88	>=0.20	CGREF1 (2.8)	SUMO1 (2.5)	C2orf28 (2.2)
0.88	>=0.20	MTF2 (2.4)	PTCD3 (2.3)	ENSG00000182319 (2
0.88	>=0.20	C2orf53 (3.6)	TSSK6 (2.4)	ENSG00000256746 (2
0.88	>=0.20	PCIF1 (2.8)	ARID1A (2.7)	DR1 (2.6)
0.88	>=0.20	SUGP1 (4.1)	PCIF1 (3.4)	TOMM40 (3.2)
0.88	>=0.20	SUGP1 (4.1)	PCIF1 (3.4)	TOMM40 (3.2)
0.88	>=0.20	TXNL4B (2.8)	CYP7A1 (2.7)	KHK (2.4)
0.88	>=0.20	HAPLN4 (3.2)	MPP3 (3.1)	STRC (3.0)
0.88	>=0.20	TUBGCP4 (3.7)	ENSG00000179523 (3	ARHGAP1 (2.5)
0.88	>=0.20	C1orf172 (3.5)	KRTCAP3 (2.7)	ZNF664 (2.7)
0.88	>=0.20	BLK (7.7)	GMIP (3.3)	TIMD4 (2.6)
0.88	>=0.20	TAGLN (3.1)	ENSG00000182319 (2	LRP4 (2.5)
0.88	>=0.20	DPYSL5 (5.1)	NCAN (3.5)	CYP26A1 (2.8)
0.88	>=0.20	DHODH (3.2)	UBXN2B (3.0)	SUGP1 (2.7)
0.88	>=0.20	NOP58 (3.9)	ZNF259 (3.8)	POLR1A (3.4)
0.88	>=0.20	BCL3 (2.8)	GMIP (2.7)	C2orf16 (2.2)
0.88	>=0.20	TP53BP1 (2.8)	NUP160 (2.7)	INTS10 (2.6)
0.88	>=0.20	PGS1 (3.3)	ARFGAP2 (3.1)	BRE (2.9)
0.88	>=0.20	ENSG00000234945 (2	ENSG00000257711 (2	TDH (2.3)
0.88	>=0.20	ENSG00000256731 (3	ENSG00000236267 (2	SLC22A3 (2.2)
0.88	>=0.20	NSMAF (2.5)	OST4 (2.2)	CGREF1 (2.0)
0.89	>=0.20	NAT2 (3.1)	DNAH10 (2.8)	NAGS (2.6)
0.89	>=0.20	ENSG00000182319 (2	BNC2 (2.6)	SDC1 (2.3)
0.89	>=0.20	TMEM214 (4.4)	MAU2 (3.7)	SUGP1 (3.4)
0.89	>=0.20	GPN1 (3.3)	NRBP1 (2.5)	MRPL35 (2.2)
0.89	>=0.20	PTPN13 (2.8)	ENSG00000253379 (2	CCDC121 (2.3)
0.89	>=0.20	PTPN13 (2.8)	ENSG00000253379 (2	CCDC121 (2.3)
0.89	>=0.20	MPP2 (2.4)	PMFBP1 (2.0)	ABO (2.0)
0.89	>=0.20	C8orf12 (3.2)	SLC30A3 (3.1)	REEP1 (2.7)
0.89	>=0.20	C8orf12 (4.0)	SOST (3.1)	ENSG00000226645 (2
0.89	>=0.20	ATG4C (3.6)	ENSG00000226645 (2	ENSG00000236827 (2
0.89	>=0.20	NCAN (4.0)	HAPLN4 (3.4)	TM6SF2 (2.3)
0.89	>=0.20	GPN2 (3.0)	CELF1 (2.9)	ARID1A (2.8)
0.89	>=0.20	PBX4 (4.9)	ENSG00000236267 (2	ZDHHC18 (2.4)
0.89	>=0.20	WDR76 (4.0)	FEN1 (3.5)	USP1 (3.3)
0.89	>=0.20	MAMSTR (4.5)	FGF21 (3.3)	PMFBP1 (2.2)
0.89	>=0.20	OST4 (4.3)	EIF3J (4.0)	MRPL33 (3.3)
0.89	>=0.20	ZNF259 (3.8)	GPN2 (3.6)	GTF3C2 (2.6)

0.89	>=0.20	WDR76 (6.1)	FEN1 (5.9)	USP1 (5.2)
0.89	>=0.20	BLK (4.0)	GMIP (3.5)	TIMD4 (2.0)
0.89	>=0.20	PVRL2 (3.9)	TAGLN (3.7)	DUSP3 (2.5)
0.89	>=0.20	MYBPC3 (7.6)	TRIM54 (6.1)	MRPL35 (3.3)
0.89	>=0.20	SNX17 (2.9)	BRE (2.6)	PGS1 (2.4)
0.89	>=0.20	MYBPC3 (4.6)	FRMD5 (4.0)	C8orf49 (3.8)
0.89	>=0.20	VEGFA (2.5)	BCL7B (2.4)	CHMP3 (2.1)
0.89	>=0.20	MYBPC3 (5.4)	GATA4 (4.8)	TRIM54 (3.5)
0.89	>=0.20	TXNL4B (4.0)	GPN2 (3.4)	SUMO1 (2.8)
0.89	>=0.20	USP1 (3.9)	FEN1 (3.5)	CKAP5 (3.1)
0.89	>=0.20	C8orf49 (4.2)	ATG4C (3.0)	GATA4 (2.9)
0.89	>=0.20	C8orf49 (4.2)	ATG4C (3.0)	GATA4 (2.9)
0.89	>=0.20	DNAH10 (3.9)	CILP2 (3.1)	FZD9 (2.6)
0.89	>=0.20	PDIA3 (4.4)	TMEM214 (4.2)	PREB (3.2)
0.89	>=0.20	NDUFS3 (4.8)	MRPL35 (3.9)	IMMT (3.4)
0.89	>=0.20	CCDC18 (5.5)	CKAP5 (4.8)	TP53BP1 (2.7)
0.89	>=0.20	CCDC18 (5.5)	CKAP5 (4.8)	TP53BP1 (2.7)
0.89	>=0.20	JMJD1C (2.9)	TP53BP1 (2.5)	MADD (2.4)
0.89	>=0.20	MAP1A (3.5)	ENSG00000256746 (2	EPB41L3 (2.5)
0.89	>=0.20	SUPT7L (3.5)	TSSK6 (3.5)	C17orf105 (3.4)
0.89	>=0.20	WDR76 (6.2)	FEN1 (6.0)	USP1 (5.7)
0.89	>=0.20	WDR76 (6.2)	FEN1 (6.0)	USP1 (5.7)
0.89	>=0.20	WDR76 (6.2)	FEN1 (6.0)	USP1 (5.7)
0.89	>=0.20	CKAP5 (4.2)	FEN1 (3.3)	CCDC18 (3.1)
0.89	>=0.20	ZNF259 (4.0)	NOP58 (4.0)	POLR1A (3.5)
0.89	>=0.20	BCL7B (6.0)	KBTBD4 (3.1)	BUD13 (2.6)
0.89	>=0.20	PTPRJ (2.5)	NCAN (2.4)	SLC30A3 (2.3)
0.89	>=0.20	DPYSL5 (4.1)	NCAN (3.2)	RFX4 (3.0)
0.89	>=0.20	ENSG00000253379 (3	HAVCR1 (2.6)	LRP4 (2.6)
0.89	>=0.20	HAPLN4 (5.7)	SLC30A3 (3.0)	PPY (3.0)
0.89	>=0.20	NOP58 (3.2)	G6PC3 (3.0)	LSM12 (2.6)
0.89	>=0.20	OST4 (2.7)	C17orf105 (2.7)	ENSG00000226645 (2
0.89	>=0.20	ZNF408 (3.1)	KBTBD4 (2.7)	BUD13 (2.7)
0.89	>=0.20	RASIP1 (2.3)	ATG4C (2.3)	CSGALNACT1 (1.9)
0.89	>=0.20	OST4 (6.7)	MRPL33 (6.2)	NDUFS3 (5.1)
0.89	>=0.20	WDR76 (6.8)	FEN1 (6.2)	USP1 (5.7)
0.89	>=0.20	BCL7B (3.6)	ARID1A (3.0)	BAZ1B (2.5)
0.89	>=0.20	RIC8B (3.1)	DUSP3 (2.8)	ZNF335 (2.4)
0.89	>=0.20	BRE (4.2)	PIGV (4.2)	GTF3C2 (3.7)
0.89	>=0.20	C2orf16 (3.9)	BLK (3.9)	PBX4 (2.3)
0.89	>=0.20	ENSG00000256746 (3	ENSG00000222035 (3	FUT1 (2.4)
0.89	>=0.20	TP53BP1 (2.7)	PAFAH1B2 (2.7)	KBTBD4 (2.4)
0.89	>=0.20	ENSG00000257711 (3	MPV17 (2.4)	C2orf16 (2.2)
0.89	>=0.20	MRPL35 (4.2)	OST4 (3.9)	NDUFS3 (3.1)
0.89	>=0.20	CHMP3 (3.7)	DUSP3 (2.9)	ZNF664 (2.3)
0.89	>=0.20	GTF3C2 (4.1)	GPN2 (3.9)	ZNF513 (3.3)
0.89	>=0.20	SUMO1 (3.4)	KDM3A (3.0)	TP53BP1 (2.9)
0.89	>=0.20	TRNP1 (3.4)	HDAC5 (3.0)	MYBPC3 (2.5)
0.89	>=0.20	KHK (5.0)	HAVCR1 (4.4)	ABO (3.9)
0.89	>=0.20	ENSG00000223522 (3	SLC5A6 (2.8)	ABHD1 (2.7)

0.89	>=0.20	GPN2 (4.3)	NRBF2 (4.3)	MTF2 (3.4)
0.89	>=0.20	EIF2B4 (3.7)	FUT1 (3.5)	ZNF259 (3.4)
0.89	>=0.20	EIF2B4 (3.7)	FUT1 (3.5)	ZNF259 (3.4)
0.89	>=0.20	EIF2B4 (3.7)	FUT1 (3.5)	ZNF259 (3.4)
0.89	>=0.20	ENSG00000200241 (2	MRPL35 (2.5)	ENSG00000236827 (2
0.89	>=0.20	ENSG00000200241 (2	MRPL35 (2.5)	ENSG00000236827 (2
0.89	>=0.20	DPYSL5 (2.3)	MPP2 (2.1)	KLF14 (2.1)
0.89	>=0.20	DHODH (4.0)	CAD (4.0)	POLR1A (3.1)
0.89	>=0.20	TECTB (4.1)	SOST (2.9)	STRC (2.9)
0.89	>=0.20	KHK (3.9)	FUT2 (2.6)	CGREF1 (2.4)
0.89	>=0.20	GATA4 (4.9)	C8orf49 (4.6)	MYBPC3 (3.7)
0.89	>=0.20	USP1 (2.7)	FEN1 (2.3)	EIF3J (2.3)
0.89	>=0.20	MAP1A (3.8)	CCDC92 (3.5)	HAPLN4 (3.0)
0.89	>=0.20	CYP26A1 (5.1)	SOST (3.0)	LRP4 (2.9)
0.89	>=0.20	MTCH2 (4.1)	NFE2L3 (3.6)	NDUFS3 (3.1)
0.89	>=0.20	TAGLN (6.4)	KANK2 (3.8)	EMILIN1 (3.8)
0.89	>=0.20	KRTCAP3 (2.6)	ENSG00000236827 (2	C11orf9 (2.3)
0.89	>=0.20	CMIP (3.5)	RASIP1 (2.6)	PYY (2.6)
0.89	>=0.20	POLR1A (3.2)	CAD (3.2)	SLC5A6 (3.1)
0.89	>=0.20	TECTB (2.9)	ENSG00000255020 (2	STRC (2.6)
0.89	>=0.20	PDIA3 (8.6)	CLPTM1 (2.9)	NCAN (2.6)
0.89	>=0.20	MAMSTR (3.0)	MPP3 (2.5)	LPAL2 (2.5)
0.89	>=0.20	MAP1A (4.6)	HAPLN4 (4.4)	EPB41L3 (2.7)
0.89	>=0.20	CKAP5 (5.0)	CCDC18 (4.9)	TP53BP1 (3.1)
0.89	>=0.20	CKAP5 (5.0)	CCDC18 (4.9)	TP53BP1 (3.1)
0.89	>=0.20	SPG11 (2.7)	TMEM175 (2.7)	DOCK7 (2.5)
0.89	>=0.20	OST4 (2.9)	C17orf105 (2.6)	ENSG00000226645 (2
0.89	>=0.20	PAFAH1B2 (3.2)	SNX17 (2.8)	REEP1 (2.5)
0.89	>=0.20	CHMP3 (3.1)	BCL7B (2.6)	NRBP1 (2.5)
0.89	>=0.20	DR1 (3.3)	ZNF408 (2.4)	NRBF2 (2.2)
0.89	>=0.20	TMEM214 (5.9)	TBL2 (4.2)	PREB (3.7)
0.89	>=0.20	PCSK7 (3.0)	C1QTNF4 (2.9)	MADD (2.5)
0.89	>=0.20	TAGLN (6.0)	GMIP (2.8)	ENSG00000223522 (2
0.89	>=0.20	WDR76 (4.8)	USP1 (4.8)	FEN1 (4.2)
0.89	>=0.20	BCL7B (4.1)	PCIF1 (3.8)	BAZ1B (3.0)
0.89	>=0.20	AMBRA1 (3.0)	PCIF1 (2.9)	ZNF335 (2.4)
0.89	>=0.20	TMEM214 (5.5)	PREB (4.6)	ATG13 (3.8)
0.89	>=0.20	CHMP3 (3.0)	NRBP1 (2.8)	TAGLN (2.8)
0.89	>=0.20	ENSG00000236827 (3	HARBI1 (2.6)	TUBGCP4 (2.5)
0.89	>=0.20	SFN (3.6)	FUT1 (2.8)	PMFBP1 (1.9)
0.89	>=0.20	NCAN (3.2)	C1QTNF4 (3.2)	DPYSL5 (2.7)
0.89	>=0.20	C8orf49 (3.2)	ENSG00000179523 (2	ENSG00000234945 (2
0.89	>=0.20	DHODH (3.7)	HARBI1 (3.4)	ZNF259 (3.0)
0.89	>=0.20	NDUFS3 (3.5)	PTPMT1 (3.5)	MRPL35 (3.1)
0.89	>=0.20	MADD (3.2)	RIC8B (2.5)	PPIP5K1 (2.3)
0.89	>=0.20	AGBL2 (2.9)	ENSG00000256746 (2	LINC00208 (2.4)
0.89	>=0.20	CSGALNACT1 (3.1)	CELF1 (3.1)	HDAC5 (2.5)
0.89	>=0.20	ENSG00000235545 (3	ATP13A1 (2.3)	FNBP4 (2.1)
0.89	>=0.20	ENSG00000253379 (3	TECTB (3.0)	FUT2 (2.3)
0.89	>=0.20	SLC5A6 (2.2)	MAMSTR (2.0)	DHODH (2.0)

0.89	>=0.20	SFN (3.2)	CHMP3 (3.1)	TRIM54 (3.0)
0.89	>=0.20	DHODH (3.8)	EIF2B4 (2.8)	C2orf28 (2.6)
0.9	>=0.20	ENSG00000256731 (3	CATSPER2 (3.1)	STRC (2.1)
0.9	>=0.20	SLC30A3 (3.1)	TMEM175 (2.3)	ZNF513 (2.3)
0.9	>=0.20	ZNF335 (4.1)	HDAC5 (3.1)	IFT172 (2.3)
0.9	>=0.20	ZNF335 (4.1)	HDAC5 (3.1)	IFT172 (2.3)
0.9	>=0.20	WDR76 (6.7)	FEN1 (6.1)	USP1 (5.8)
0.9	>=0.20	HAVCR1 (3.8)	REEP3 (2.9)	ENSG00000223522 (2
0.9	>=0.20	FEN1 (5.9)	WDR76 (5.9)	USP1 (5.8)
0.9	>=0.20	FEN1 (5.9)	WDR76 (5.9)	USP1 (5.8)
0.9	>=0.20	SUMO1 (2.3)	ENSG00000226645 (1	ENSG00000236827 (1
0.9	>=0.20	UCN (3.2)	LPAR2 (3.2)	ENSG00000255020 (3
0.9	>=0.20	TMEM214 (5.2)	TBL2 (3.0)	PREB (3.0)
0.9	>=0.20	CYP26A1 (4.1)	PTPN13 (2.5)	HAVCR1 (2.3)
0.9	>=0.20	PDIA3 (3.5)	TBL2 (3.1)	NEIL2 (3.0)
0.9	>=0.20	TM6SF2 (3.1)	C1QTNF4 (2.4)	ABO (2.3)
0.9	>=0.20	PYY (4.5)	C1orf172 (3.0)	KRTCAP3 (2.2)
0.9	>=0.20	CKAP5 (4.4)	FEN1 (4.3)	CCDC18 (3.2)
0.9	>=0.20	CHMP3 (3.6)	MADD (3.3)	DUSP3 (3.2)
0.9	>=0.20	RFX4 (4.2)	PYY (3.4)	DPYSL5 (3.1)
0.9	>=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (5.0)
0.9	>=0.20	PCIF1 (3.9)	ARID1A (3.5)	LSM12 (3.3)
0.9	>=0.20	DPYSL5 (3.1)	PAFAH1B2 (3.0)	PBX4 (2.8)
0.9	>=0.20	STRC (3.3)	MAP1A (3.3)	NCAN (2.8)
0.9	>=0.20	GPN2 (3.1)	KBTBD4 (3.1)	ARID1A (2.9)
0.9	>=0.20	BCL3 (2.8)	ZDHHC18 (2.4)	MAFF (2.4)
0.9	>=0.20	ENSG00000223522 (3	PMFBP1 (2.7)	DNAJC5G (2.5)
0.9	>=0.20	FZD9 (5.2)	CILP2 (4.4)	EMILIN1 (3.3)
0.9	>=0.20	DNAJC5G (3.1)	ENSG00000253379 (2	UCN (2.8)
0.9	>=0.20	DNAJC5G (3.1)	ENSG00000253379 (2	UCN (2.8)
0.9	>=0.20	PTPRJ (2.4)	NCAN (2.3)	SLC30A3 (2.2)
0.9	>=0.20	FNBP4 (2.7)	CCDC121 (2.2)	KBTBD4 (2.1)
0.9	>=0.20	CAD (3.6)	NOP58 (3.4)	SUGP1 (2.9)
0.9	>=0.20	FEN1 (6.9)	WDR76 (6.3)	USP1 (5.8)
0.9	>=0.20	DOCK7 (3.3)	FRMD5 (3.0)	ZNF664 (3.0)
0.9	>=0.20	BCL7B (4.1)	PCIF1 (3.7)	BAZ1B (3.1)
0.9	>=0.20	PYY (5.3)	PPY (5.2)	SLC30A3 (2.8)
0.9	>=0.20	CTDSPL2 (3.0)	ZNF664 (2.6)	LSM12 (2.6)
0.9	>=0.20	CHMP3 (3.5)	TRNP1 (3.4)	PCSK7 (2.6)
0.9	>=0.20	PPM1G (3.2)	ARID1A (2.6)	BAZ1B (2.6)
0.9	>=0.20	BAZ1B (2.7)	BUD13 (2.2)	TXNL4B (2.1)
0.9	>=0.20	ENSG00000256731 (3	ENSG00000256746 (2	TDH (2.5)
0.9	>=0.20	PAFAH1B2 (3.9)	SUPT7L (3.2)	DR1 (3.1)
0.9	>=0.20	BUD13 (2.5)	ZNF259 (2.4)	INTS10 (2.4)
0.9	>=0.20	APOC1 (2.2)	FAM167A (2.2)	APOE (2.1)
0.9	>=0.20	STRC (3.3)	TXNL4B (3.1)	MFAP1 (3.0)
0.9	>=0.20	CSGALNACT1 (3.2)	FRMD5 (2.8)	MAFF (2.5)
0.9	>=0.20	DUSP3 (2.5)	FDFT1 (2.5)	NRBF2 (2.2)
0.9	>=0.20	WDR76 (5.4)	FEN1 (5.3)	USP1 (3.6)
0.9	>=0.20	FUT1 (2.9)	SFN (2.5)	PBX4 (2.5)

0.9	>=0.20	FUT1 (3.0)	MAMSTR (2.4)	CBLC (2.1)
0.9	>=0.20	PPY (5.1)	TMEM214 (4.3)	PYY (3.9)
0.9	>=0.20	ARID1A (4.2)	ENSG00000179523 (3	PCIF1 (3.2)
0.9	>=0.20	DR1 (3.8)	MTMR9 (2.7)	GPN2 (2.3)
0.9	>=0.20	TMEM214 (5.1)	TBL2 (4.2)	EIF3J (3.6)
0.9	>=0.20	C8orf49 (3.7)	C17orf105 (2.9)	DNAJC5G (2.7)
0.9	>=0.20	RFX4 (2.9)	CCDC92 (2.8)	C2orf53 (2.7)
0.9	>=0.20	KDM3A (3.0)	JMJD1C (2.9)	ENSG00000179523 (2
0.9	>=0.20	C2orf28 (2.9)	MTCH2 (2.8)	NDUFS3 (2.6)
0.9	>=0.20	C2orf28 (2.9)	MTCH2 (2.8)	NDUFS3 (2.6)
0.9	>=0.20	BCL7B (4.6)	CITED2 (3.0)	IFT172 (2.9)
0.9	>=0.20	DDB2 (4.8)	FEN1 (3.7)	DHX38 (3.1)
0.9	>=0.20	ATG13 (3.8)	CMIP (3.0)	PAFAH1B2 (2.8)
0.9	>=0.20	C2orf53 (2.4)	PMFBP1 (2.2)	MPP3 (2.0)
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	IZUMO1 (3.6)	HP (2.7)	ENSG00000234945 (2
0.9	>=0.20	ARID1A (3.8)	BAZ1B (3.7)	BMPR2 (2.7)
0.9	>=0.20	DR1 (3.3)	MFAP1 (3.0)	MTMR9 (2.8)
0.9	>=0.20	ZNF259 (3.4)	GPN2 (3.3)	SLC5A6 (3.1)
0.9	>=0.20	ZNF259 (3.4)	GPN2 (3.3)	SLC5A6 (3.1)
0.9	>=0.20	GPN2 (4.2)	ZNF513 (3.5)	NRBF2 (3.3)
0.9	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.9	>=0.20	ENSG00000236267 (3	AGBL2 (2.8)	ENSG00000256746 (2
0.9	>=0.20	CAD (3.6)	POLR1A (3.1)	GPN1 (2.9)
0.9	>=0.20	GMIP (3.6)	LPAR2 (3.1)	CMIP (2.5)
0.9	>=0.20	BLK (3.5)	BCL3 (2.8)	GMIP (2.4)
0.9	>=0.20	NDUFS3 (5.5)	MRPL33 (4.0)	MTCH2 (3.8)
0.9	>=0.20	TUBGCP4 (3.0)	PPIP5K1 (2.8)	KBTBD4 (2.8)
0.9	>=0.20	PDIA3 (3.4)	FGF21 (3.3)	PREB (2.9)
0.9	>=0.20	CTDSPL2 (2.9)	ZNF664 (2.7)	DR1 (2.7)
0.9	>=0.20	CATSPER2 (5.0)	PDIA3 (4.7)	CCDC121 (3.2)
0.9	>=0.20	TUBGCP4 (3.3)	USP1 (3.2)	FEN1 (3.0)
0.9	>=0.20	C8orf49 (7.6)	GATA4 (4.0)	LPAR2 (2.7)
0.9	>=0.20	ENSG00000182319 (3	GMIP (2.6)	JMJD1C (2.6)
0.9	>=0.20	WDR76 (3.4)	TUBGCP4 (3.0)	CCDC18 (2.8)
0.9	>=0.20	ZNF259 (3.7)	GPN2 (2.9)	SLC5A6 (2.9)
0.9	>=0.20	KHK (5.7)	TM6SF2 (3.9)	APOA4 (3.0)
0.9	>=0.20	NDUFS3 (5.7)	MRPL33 (5.1)	MRPL35 (4.9)
0.9	>=0.20	TMEM214 (4.4)	PREB (3.9)	NRBP1 (3.5)
0.9	>=0.20	MTMR9 (2.8)	C11orf49 (2.5)	FRMD5 (2.4)
0.9	>=0.20	INTS10 (2.9)	NEIL2 (2.9)	MTMR9 (2.8)
0.9	>=0.20	MPP2 (2.4)	C1QTNF4 (2.1)	TMEM175 (2.1)
0.9	>=0.20	CCDC92 (4.5)	MAP1A (3.1)	OST4 (3.0)
0.9	>=0.20	MRPL35 (6.1)	MRPL33 (4.1)	NDUFS3 (4.0)
0.9	>=0.20	CYP26A1 (3.3)	APOE (2.7)	C1QTNF4 (2.6)

0.9	>=0.20	PDIA3 (8.1)	BCAM (2.7)	CLPTM1 (2.6)
0.9	>=0.20	MAU2 (3.7)	FEN1 (3.3)	USP1 (3.0)
0.9	>=0.20	BUD13 (3.5)	TP53BP1 (3.3)	MFAP1 (3.0)
0.9	>=0.20	ENSG00000253379 (3	FUT2 (3.0)	SOST (2.8)
0.9	>=0.20	WDR76 (5.4)	FEN1 (5.3)	USP1 (3.9)
0.9	>=0.20	FEN1 (3.5)	BAZ1B (3.5)	NUP160 (3.5)
0.9	>=0.20	SNX17 (4.0)	EIF2B4 (3.7)	IMMT (3.7)
0.9	>=0.20	MTMR9 (2.7)	MAU2 (2.4)	ZNF513 (2.2)
0.9	>=0.20	MAMSTR (2.6)	MADD (2.2)	CSGALNACT1 (2.2)
0.9	>=0.20	MYBPC3 (4.3)	GATA4 (4.2)	TRIM54 (3.8)
0.9	>=0.20	WDR76 (5.0)	FEN1 (4.2)	USP1 (3.3)
0.9	>=0.20	NDUFS3 (4.3)	IMMT (3.4)	CTSB (3.1)
0.9	>=0.20	C2orf53 (2.3)	MPP3 (2.2)	MPP2 (2.1)
0.9	>=0.20	ZDHHC18 (2.4)	ZNF513 (2.4)	MAFF (2.3)
0.9	>=0.20	SOST (4.4)	LRP4 (3.5)	TECTB (3.2)
0.9	>=0.20	AGBL5 (2.8)	GPN1 (2.8)	SNX17 (2.6)
0.9	>=0.20	SIK3 (3.2)	BUD13 (2.9)	ARID1A (2.9)
0.9	>=0.20	DNAJC5G (3.6)	SLC30A3 (3.2)	ENSG00000257711 (2
0.9	>=0.20	CLPTM1 (2.4)	KDM3A (2.4)	NRBP1 (2.3)
0.9	>=0.20	ARID1A (4.5)	TRIB1 (3.4)	PCIF1 (3.2)
0.9	>=0.20	NCAN (4.0)	HAPLN4 (3.2)	MAP1A (3.0)
0.9	>=0.20	MAPK10 (3.4)	MPP3 (2.7)	MAPRE3 (2.5)
0.9	>=0.20	ABO (2.4)	ENSG00000253379 (2	PTPN13 (2.3)
0.9	>=0.20	EIF3J (5.3)	TP53BP1 (4.6)	MFAP1 (3.6)
0.9	>=0.20	LINC00208 (3.1)	APOE (2.5)	NFE2L3 (2.0)
0.91	>=0.20	ZNF259 (3.7)	GPN2 (3.6)	GTF3C2 (2.8)
0.91	>=0.20	ATG13 (5.6)	TMEM214 (4.0)	NRBP1 (3.7)
0.91	>=0.20	CKAP5 (5.0)	CCDC18 (4.3)	FEN1 (4.1)
0.91	>=0.20	PTPN13 (2.3)	CYP26A1 (2.1)	MAU2 (1.8)
0.91	>=0.20	ATG13 (3.7)	NEIL2 (2.6)	HDAC5 (2.3)
0.91	>=0.20	TMEM214 (6.4)	TBL2 (4.6)	PREB (4.3)
0.91	>=0.20	PBX4 (2.5)	ENSG00000222035 (2	PPIP5K1 (2.2)
0.91	>=0.20	RIC8B (2.4)	DDB2 (2.4)	ENSG00000257711 (2
0.91	>=0.20	TRIM54 (6.5)	PACSIN3 (4.9)	MAMSTR (3.8)
0.91	>=0.20	FEN1 (3.3)	USP1 (3.0)	WDR76 (3.0)
0.91	>=0.20	CILP2 (5.7)	FZD9 (4.4)	CSGALNACT1 (2.8)
0.91	>=0.20	SLC22A3 (3.1)	DR1 (2.4)	ZNF664 (2.2)
0.91	>=0.20	CKAP5 (4.8)	CCDC18 (4.5)	FEN1 (4.3)
0.91	>=0.20	JMJD1C (3.1)	KDM3A (2.7)	MTF2 (2.7)
0.91	>=0.20	GPN2 (4.3)	ZNF513 (3.8)	KBTBD4 (3.7)
0.91	>=0.20	GPN2 (3.6)	ZNF259 (3.3)	MTMR9 (2.3)
0.91	>=0.20	NDUFS3 (5.3)	MRPL35 (4.9)	MRPL33 (4.8)
0.91	>=0.20	LRP4 (3.2)	RFX4 (2.9)	FZD9 (2.7)
0.91	>=0.20	FEN1 (5.3)	WDR76 (4.5)	USP1 (4.2)
0.91	>=0.20	TSSK6 (2.6)	FZD9 (2.1)	ENSG00000223745 (1
0.91	>=0.20	REEP1 (3.3)	MAMSTR (3.2)	SLC30A3 (2.8)
0.91	>=0.20	TMEM101 (3.5)	NUP160 (2.1)	KRTCAP3 (2.1)
0.91	>=0.20	BCL7B (3.1)	NDUFS3 (2.9)	IFT172 (2.8)
0.91	>=0.20	WDR76 (4.4)	FEN1 (4.0)	DDB2 (3.7)
0.91	>=0.20	TECTB (3.4)	MAFF (2.8)	DOCK6 (2.6)

0.91	>=0.20	LSM12 (2.7)	CTDSPL2 (2.7)	ZNF664 (2.7)
0.91	>=0.20	MTF2 (2.1)	ENSG00000234945 (1	AGBL5 (1.9)
0.91	>=0.20	IZUMO1 (3.6)	ENSG00000234945 (2	DNAH10 (2.6)
0.91	>=0.20	ZNF335 (3.2)	MAU2 (2.5)	MADD (2.2)
0.91	>=0.20	KHK (3.4)	TBL2 (2.8)	STRC (2.4)
0.91	>=0.20	ZNF664 (3.0)	ENSG00000236827 (2	ENSG00000226645 (2
0.91	>=0.20	C8orf49 (4.4)	GATA4 (2.6)	ABO (2.4)
0.91	>=0.20	CCDC18 (5.5)	USP1 (3.3)	ENSG00000257711 (2
0.91	>=0.20	ABHD1 (1.9)	C2orf53 (1.9)	TDH (1.7)
0.91	>=0.20	SDCBP (3.7)	IMMT (3.7)	NRBP1 (2.5)
0.91	>=0.20	MAMSTR (5.6)	PACSIN3 (3.5)	FZD9 (3.4)
0.91	>=0.20	ENSG00000223522 (2	ENSG00000222035 (2	ZNF408 (2.2)
0.91	>=0.20	CKAP5 (2.5)	FEN1 (2.4)	BUD13 (2.3)
0.91	>=0.20	CKAP5 (2.5)	FEN1 (2.4)	BUD13 (2.3)
0.91	>=0.20	CKAP5 (2.5)	FEN1 (2.4)	BUD13 (2.3)
0.91	>=0.20	DNAJC5G (2.5)	SNX17 (2.4)	DUSP3 (2.3)
0.91	>=0.20	USP1 (5.6)	FEN1 (4.7)	CTDSPL2 (4.0)
0.91	>=0.20	MPP3 (2.3)	MAU2 (2.3)	CD300LG (2.0)
0.91	>=0.20	DNAH10 (3.7)	C1QTNF4 (3.3)	CD300LG (2.9)
0.91	>=0.20	TMEM175 (3.9)	ENSG00000179523 (3	PIGV (3.1)
0.91	>=0.20	BAZ1B (2.9)	PCIF1 (2.8)	ARID1A (2.5)
0.91	>=0.20	BCL3 (2.9)	ZDHHC18 (2.6)	PTPRJ (2.4)
0.91	>=0.20	ABO (2.3)	MPP2 (2.1)	MPP3 (2.0)
0.91	>=0.20	ABO (2.3)	MPP2 (2.1)	MPP3 (2.0)
0.91	>=0.20	ENSG00000226645 (2	ATG4C (2.4)	MAPK10 (2.2)
0.91	>=0.20	DNAH10 (3.7)	ABO (3.5)	PPY (3.2)
0.91	>=0.20	TECTB (3.0)	NR0B2 (2.9)	FUT2 (2.8)
0.91	>=0.20	MYBPC3 (3.2)	NSMAF (2.4)	CCDC18 (2.3)
0.91	>=0.20	PTPN13 (2.6)	ENSG00000253379 (2	RSPO3 (2.2)
0.91	>=0.20	PTPN13 (2.6)	ENSG00000253379 (2	RSPO3 (2.2)
0.91	>=0.20	RFX4 (3.1)	FZD9 (3.0)	DPYSL5 (3.0)
0.91	>=0.20	ENSG00000200241 (3	UCN (2.5)	C2orf16 (2.3)
0.91	>=0.20	PDIA3 (9.8)	TMEM214 (3.1)	TBL2 (3.0)
0.91	>=0.20	C11orf49 (4.6)	TP53BP1 (4.2)	AGBL2 (4.1)
0.91	>=0.20	BNC2 (2.8)	FUT2 (2.6)	ENSG00000179523 (2
0.91	>=0.20	DDB2 (5.7)	FEN1 (5.2)	WDR76 (5.0)
0.91	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (4.9)
0.91	>=0.20	HAVCR1 (3.1)	MPV17 (2.2)	SLC30A3 (2.2)
0.91	>=0.20	SLC30A3 (4.3)	MPP2 (3.2)	C1QTNF4 (3.0)
0.91	>=0.20	BCAM (3.0)	PAFAH1B2 (3.0)	CCDC121 (2.5)
0.91	>=0.20	ENSG00000200241 (3	ATG13 (3.3)	SNX17 (3.1)
0.91	>=0.20	CKAP5 (4.9)	FEN1 (4.2)	CCDC18 (4.2)
0.91	>=0.20	WDR76 (7.4)	FEN1 (7.4)	USP1 (4.6)
0.91	>=0.20	PLA2G6 (3.1)	MPV17 (3.0)	HAPLN4 (2.8)
0.91	>=0.20	PTPMT1 (3.3)	KBTBD4 (3.3)	ARFGAP2 (3.2)
0.91	>=0.20	DDB2 (5.0)	CSGALNACT1 (3.0)	NAT2 (2.6)
0.91	>=0.20	TRIM54 (4.1)	EIF3J (3.4)	PACSIN3 (2.8)
0.91	>=0.20	C2orf53 (2.3)	C1QTNF4 (1.9)	PMFBP1 (1.9)
0.91	>=0.20	BLK (4.3)	GMIP (3.4)	PBX4 (2.2)
0.91	>=0.20	ENSG00000236267 (3	DDB2 (2.8)	NEIL2 (2.6)

0.91	>=0.20	FUT2 (3.6)	ZNF664 (3.0)	PCSK7 (2.8)
0.91	>=0.20	NSMAF (2.0)	IZUMO1 (2.0)	ENSG00000236827 (1
0.91	>=0.20	NSMAF (2.0)	IZUMO1 (2.0)	ENSG00000236827 (1
0.91	>=0.20	SUGP1 (3.4)	MTCH2 (3.2)	EIF2B4 (2.9)
0.91	>=0.20	WDR76 (5.9)	FEN1 (4.8)	CCDC18 (4.2)
0.91	>=0.20	WDR76 (5.9)	FEN1 (4.8)	CCDC18 (4.2)
0.91	>=0.20	WDR76 (5.2)	CTDSPL2 (3.5)	REEP3 (3.1)
0.91	>=0.20	MPP2 (2.5)	SLC22A3 (2.0)	ABO (2.0)
0.91	>=0.20	SDCBP (2.9)	CCDC92 (2.3)	CHMP3 (2.0)
0.91	>=0.20	WDR76 (6.2)	FEN1 (5.0)	USP1 (4.1)
0.91	>=0.20	SNX17 (3.9)	PPM1G (3.4)	EIF2B4 (3.3)
0.91	>=0.20	FEN1 (7.1)	WDR76 (7.0)	USP1 (5.9)
0.91	>=0.20	MRPL35 (3.6)	MRPL33 (3.4)	NDUFS3 (2.8)
0.91	>=0.20	EMILIN1 (2.7)	SLC5A6 (2.4)	PPY (2.1)
0.91	>=0.20	SUMO1 (2.3)	ENSG00000226645 (1	ENSG00000236827 (1
0.91	>=0.20	ENSG00000223522 (3	MAPK10 (2.7)	PBX4 (2.7)
0.91	>=0.20	TSSK6 (3.0)	MAMSTR (2.6)	ABHD1 (2.5)
0.91	>=0.20	ENSG00000179523 (5	MTMR9 (2.9)	SPG11 (2.7)
0.91	>=0.20	BCAM (3.4)	PLA2G6 (2.5)	NR0B2 (2.2)
0.91	>=0.20	MAMSTR (5.9)	SLC22A3 (2.8)	IZUMO1 (2.8)
0.91	>=0.20	MRPL33 (5.9)	NDUFS3 (5.8)	MRPL35 (5.0)
0.91	>=0.20	CHMP3 (3.7)	ENSG00000222035 (2	TRNP1 (2.3)
0.91	>=0.20	SLC30A3 (3.8)	HARBI1 (2.8)	MPP2 (2.7)
0.91	>=0.20	RIC8B (3.3)	C1QTNF4 (2.6)	C2orf53 (2.5)
0.91	>=0.20	TAGLN (5.2)	RSPO3 (4.1)	CITED2 (2.7)
0.91	>=0.20	RSPO3 (3.1)	DNAH10 (3.1)	CYP26A1 (2.0)
0.91	>=0.20	MAU2 (2.5)	MTMR9 (2.5)	ATG13 (2.4)
0.91	>=0.20	GMIP (3.4)	PPIP5K1 (2.5)	ARHGAP1 (2.3)
0.91	>=0.20	MAMSTR (3.6)	NCAN (3.4)	SLC30A3 (2.9)
0.91	>=0.20	CATSPER2 (3.5)	ATG4C (3.2)	SUPT7L (2.7)
0.91	>=0.20	PDIA3 (9.0)	TBL2 (3.5)	TMEM214 (3.1)
0.91	>=0.20	KBTBD4 (3.5)	CTDSPL2 (2.9)	MTF2 (2.2)
0.91	>=0.20	TRIM54 (4.9)	MAMSTR (4.4)	PACSIN3 (2.5)
0.91	>=0.20	NDUFS3 (6.3)	MRPL33 (5.7)	OST4 (4.4)
0.91	>=0.20	ARHGAP1 (3.4)	TRNP1 (2.8)	TAGLN (2.8)
0.92	>=0.20	BCL7B (5.6)	KBTBD4 (2.8)	BUD13 (2.7)
0.92	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (4.7)
0.92	>=0.20	MYBPC3 (6.8)	DNAH10 (3.9)	GATA4 (2.8)
0.92	>=0.20	NRBP1 (3.1)	JMJD1C (2.8)	SUMO1 (2.6)
0.92	>=0.20	TMEM101 (3.3)	SLC22A3 (3.3)	C2orf53 (3.0)
0.92	>=0.20	NCAN (3.3)	KLF14 (2.6)	SLC30A3 (2.1)
0.92	>=0.20	TP53BP1 (2.8)	PAFAH1B2 (2.7)	DNAJC5G (2.2)
0.92	>=0.20	CCDC92 (2.9)	RFX4 (2.7)	ENSG00000236267 (2
0.92	>=0.20	TBL2 (3.7)	TMEM214 (3.5)	G6PC3 (3.4)
0.92	>=0.20	PDIA3 (6.6)	PLTP (2.6)	TBL2 (2.3)
0.92	>=0.20	PCSK7 (3.1)	TMEM175 (2.8)	CLPTM1 (2.7)
0.92	>=0.20	TRNP1 (3.2)	PAFAH1B2 (2.5)	CHMP3 (2.3)
0.92	>=0.20	BCL7B (3.5)	SUMO1 (3.0)	ARID1A (2.8)
0.92	>=0.20	ATG13 (3.3)	ENSG00000200241 (3	SNX17 (2.9)
0.92	>=0.20	MTF2 (3.3)	USP1 (2.4)	KDM3A (2.3)

0.92	>=0.20	CCDC121 (2.8)	SFN (2.7)	ENSG00000255020 (2
0.92	>=0.20	ACP2 (3.3)	BLK (2.9)	SPG11 (2.2)
0.92	>=0.20	MADD (3.5)	GMIP (3.1)	HDAC5 (3.0)
0.92	>=0.20	C1orf172 (2.8)	HAVCR1 (2.7)	ENSG00000253379 (2
0.92	>=0.20	CMIP (3.0)	DR1 (2.6)	MAMSTR (2.4)
0.92	>=0.20	MAMSTR (2.8)	NCAN (2.5)	JMJD1C (2.4)
0.92	>=0.20	TRNP1 (2.5)	FRMD5 (2.3)	MADD (2.3)
0.92	>=0.20	NUP160 (2.8)	DHX38 (2.7)	CAD (2.7)
0.92	>=0.20	ENSG00000222035 (4	DNAH10 (3.1)	NAT2 (2.7)
0.92	>=0.20	WDR76 (7.2)	FEN1 (6.7)	USP1 (4.7)
0.92	>=0.20	DNAH10 (2.9)	C8orf12 (2.7)	ENSG00000182329 (2
0.92	>=0.20	FEN1 (5.4)	WDR76 (5.0)	USP1 (3.4)
0.92	>=0.20	TMEM214 (6.3)	PREB (3.5)	ARHGAP1 (3.4)
0.92	>=0.20	EIF2B4 (3.5)	SNX17 (3.2)	ENSG00000223745 (2
0.92	>=0.20	PTPRJ (2.6)	ATG13 (2.4)	MAPK10 (2.3)
0.92	>=0.20	FUT2 (2.1)	TECTB (2.0)	SIK3 (1.9)
0.92	>=0.20	REEP1 (4.7)	TRIM54 (4.5)	TAGLN (3.5)
0.92	>=0.20	DPYSL5 (2.7)	DNAH10 (2.4)	TSSK6 (2.3)
0.92	>=0.20	C17orf105 (6.9)	C2orf53 (5.7)	TSSK6 (4.9)
0.92	>=0.20	IZUMO1 (3.0)	ENSG00000200241 (2	KLF14 (2.2)
0.92	>=0.20	SUMO1 (2.4)	BUD13 (2.3)	TXNL4B (2.2)
0.92	>=0.20	LINC00208 (2.8)	IZUMO1 (2.2)	SIK3 (2.0)
0.92	>=0.20	TECTB (2.8)	ENSG00000255020 (2	LPAL2 (2.5)
0.92	>=0.20	TECTB (2.8)	ENSG00000255020 (2	LPAL2 (2.5)
0.92	>=0.20	TECTB (2.8)	ENSG00000255020 (2	LPAL2 (2.5)
0.92	>=0.20	PAFAH1B2 (2.7)	TRNP1 (2.4)	ATG4C (2.4)
0.92	>=0.20	ZNF335 (4.3)	HDAC5 (3.0)	IFT172 (2.5)
0.92	>=0.20	ZNF335 (4.3)	HDAC5 (3.0)	IFT172 (2.5)
0.92	>=0.20	TMEM214 (5.9)	TBL2 (4.2)	PREB (3.8)
0.92	>=0.20	TXNL4B (3.4)	SPG11 (3.2)	NEIL2 (3.1)
0.92	>=0.20	TRIM54 (5.1)	PACSIN3 (4.2)	MAMSTR (3.8)
0.92	>=0.20	NRBF2 (3.1)	DR1 (3.0)	MTMR9 (2.9)
0.92	>=0.20	WDR76 (5.1)	FEN1 (4.6)	DDB2 (4.5)
0.92	>=0.20	CAD (2.6)	DHODH (2.5)	NSMAF (2.2)
0.92	>=0.20	AGBL5 (2.8)	DDB2 (2.1)	WDR76 (2.1)
0.92	>=0.20	PDIA3 (7.7)	TMEM214 (3.0)	TBL2 (2.7)
0.92	>=0.20	MYBPC3 (5.5)	GATA4 (3.5)	DNAH10 (3.0)
0.92	>=0.20	PCSK7 (3.0)	IMMT (2.6)	ARHGAP1 (2.5)
0.92	>=0.20	REEP1 (2.1)	C2orf53 (2.1)	PMFBP1 (2.1)
0.92	>=0.20	CD300LG (2.5)	PTPN13 (2.5)	SOST (2.3)
0.92	>=0.20	ENSG00000236267 (3	UCN (3.3)	ABO (3.2)
0.92	>=0.20	CILP2 (4.2)	FZD9 (3.5)	CYP26A1 (3.1)
0.92	>=0.20	HAVCR1 (3.2)	SUPT7L (2.4)	ENSG00000179523 (2
0.92	>=0.20	MYBPC3 (8.3)	TRIM54 (7.2)	FRMD5 (4.4)
0.92	>=0.20	RFX4 (3.3)	AGBL2 (2.9)	ENSG00000235545 (2
0.92	>=0.20	PPM1G (2.4)	USP1 (2.3)	NUP160 (2.3)
0.92	>=0.20	CKAP5 (3.4)	USP1 (2.7)	NDUFS3 (2.6)
0.92	>=0.20	PBX4 (3.7)	C8orf12 (2.8)	BLK (2.4)
0.92	>=0.20	LINC00208 (3.5)	PDIA3 (3.4)	APOE (2.9)
0.92	>=0.20	CELF1 (3.3)	TRIM54 (3.0)	ARHGAP1 (2.9)

0.92	>=0.20	UBXN2B (4.3)	FRMD5 (3.5)	MYBPC3 (3.4)
0.92	>=0.20	HAPLN4 (3.9)	STRC (3.4)	MPP3 (3.1)
0.92	>=0.20	HAPLN4 (4.2)	MAPK10 (3.1)	MAP1A (2.9)
0.92	>=0.20	DDB2 (4.2)	MAMSTR (2.6)	FGF21 (2.5)
0.92	>=0.20	SUGP1 (2.7)	SUPT7L (2.3)	PREB (2.3)
0.92	>=0.20	TRIB1 (3.2)	BMPR2 (2.6)	PTPRJ (2.3)
0.92	>=0.20	KHK (3.2)	ABO (2.9)	FUT2 (2.8)
0.92	>=0.20	HDAC5 (2.7)	FZD9 (2.2)	LINC00208 (2.0)
0.92	>=0.20	MRPL33 (5.9)	NDUFS3 (5.8)	MRPL35 (5.0)
0.92	>=0.20	NCAN (5.3)	DPYSL5 (4.3)	RFX4 (3.5)
0.92	>=0.20	NDUFS3 (6.0)	MRPL33 (5.6)	MRPL35 (4.6)
0.92	>=0.20	NDUFS3 (5.9)	MRPL33 (5.6)	MRPL35 (5.2)
0.92	>=0.20	BLK (2.8)	APOC1 (2.4)	APOE (2.4)
0.92	>=0.20	FEN1 (6.8)	WDR76 (6.7)	USP1 (4.9)
0.92	>=0.20	C1QTNF4 (2.6)	MAMSTR (2.3)	DR1 (2.2)
0.92	>=0.20	LINC00208 (3.2)	C2orf16 (3.0)	NEIL2 (2.0)
0.92	>=0.20	FUT1 (3.9)	DHODH (3.3)	IMMT (3.1)
0.92	>=0.20	BLK (3.2)	PYY (2.5)	IZUMO1 (2.3)
0.92	>=0.20	CATSPER2 (3.1)	IFT172 (2.3)	AGBL2 (2.3)
0.92	>=0.20	GPN2 (2.6)	PPM1G (2.5)	POLR1A (2.5)
0.92	>=0.20	C2orf16 (3.7)	BLK (2.4)	PBX4 (2.2)
0.92	>=0.20	CHMP3 (3.8)	PCSK7 (3.7)	TRNP1 (2.9)
0.92	>=0.20	ENSG00000234945 (3	ENSG00000236267 (2	ABHD1 (1.8)
0.92	>=0.20	CKAP5 (4.9)	FEN1 (3.3)	CCDC18 (2.5)
0.92	>=0.20	ENSG00000256731 (6	FAM167A (3.1)	STRC (3.0)
0.92	>=0.20	C2orf28 (4.1)	CLPTM1 (3.6)	PDIA3 (3.4)
0.92	>=0.20	TRIB1 (3.7)	MAFF (3.4)	TP53BP1 (2.4)
0.92	>=0.20	MAU2 (2.2)	PPM1G (2.2)	SUGP1 (2.2)
0.92	>=0.20	RBKS (2.3)	HGFAC (2.1)	MTCH2 (1.9)
0.92	>=0.20	NDUFS3 (5.8)	OST4 (5.0)	MRPL33 (4.3)
0.92	>=0.20	TAGLN (6.5)	TRIM54 (5.0)	ENSG00000257711 (2
0.92	>=0.20	TMEM214 (5.5)	PREB (4.2)	TBL2 (3.8)
0.92	>=0.20	MAMSTR (4.6)	PACSIN3 (4.6)	TRIM54 (4.1)
0.92	>=0.20	ENSG00000234945 (2	TDH (2.1)	ENSG00000255020 (1
0.92	>=0.20	IMMT (3.9)	PTCD3 (3.5)	FGF21 (3.4)
0.92	>=0.20	DDB2 (2.2)	KLF14 (1.8)	KANK2 (1.7)
0.92	>=0.20	KRTCAP3 (2.3)	UCN (2.0)	DPYSL5 (1.8)
0.92	>=0.20	HAPLN4 (3.6)	FAM167A (2.5)	MAPK10 (2.4)
0.92	>=0.20	WDR76 (5.9)	USP1 (5.9)	FEN1 (5.7)
0.92	>=0.20	WDR76 (5.9)	USP1 (5.9)	FEN1 (5.7)
0.93	>=0.20	HAVCR1 (3.4)	ENSG00000234945 (2	ENSG00000179523 (2
0.93	>=0.20	ZNF512 (4.0)	FNBP4 (3.5)	ENSG00000223522 (3
0.93	>=0.20	C11orf49 (3.2)	MPP2 (2.9)	MADD (2.7)
0.93	>=0.20	NDUFS3 (5.4)	IMMT (4.4)	MRPL35 (3.5)
0.93	>=0.20	PDIA3 (7.8)	PYY (3.3)	C1QTNF4 (3.0)
0.93	>=0.20	TSSK6 (4.7)	C2orf53 (4.2)	C17orf105 (3.1)
0.93	>=0.20	CBLC (3.8)	ARHGAP1 (3.6)	C1orf172 (3.5)
0.93	>=0.20	MAMSTR (4.5)	EMILIN1 (3.0)	TRIM54 (2.7)
0.93	>=0.20	NDUFS3 (5.5)	MRPL33 (4.7)	MRPL35 (3.8)
0.93	>=0.20	ZNF259 (3.5)	GPN2 (3.4)	PTCD3 (2.8)

0.93	>=0.20	NDUFS3 (6.1)	MRPL33 (5.8)	MRPL35 (4.9)
0.93	>=0.20	MYBPC3 (8.4)	C8orf49 (4.5)	GATA4 (4.3)
0.93	>=0.20	TXNL4B (3.0)	KDM3A (2.8)	MTF2 (2.7)
0.93	>=0.20	SLC22A3 (2.6)	FAM167A (2.4)	PGS1 (2.4)
0.93	>=0.20	AFF1 (3.2)	CASC4 (3.2)	ZNF513 (2.9)
0.93	>=0.20	ENSG00000179523 (4	MTMR9 (3.5)	ATG4C (2.9)
0.93	>=0.20	CILP2 (3.5)	TAGLN (2.8)	EPB41L3 (2.0)
0.93	>=0.20	DPYSL5 (3.7)	PBX4 (2.8)	RFX4 (2.6)
0.93	>=0.20	TXNL4B (2.7)	MRPL35 (2.4)	ENSG00000200241 (2
0.93	>=0.20	FEN1 (6.0)	WDR76 (5.8)	USP1 (4.0)
0.93	>=0.20	ENSG00000256746 (3	ABHD1 (2.2)	ENSG00000236827 (2
0.93	>=0.20	CCDC18 (4.5)	CKAP5 (3.2)	IFT172 (3.1)
0.93	>=0.20	BUD13 (3.0)	TXNL4B (3.0)	ZNF664 (2.3)
0.93	>=0.20	SLC30A3 (2.3)	KLF14 (2.3)	PPY (2.1)
0.93	>=0.20	ENSG00000223522 (3	ENSG00000253379 (3	ENSG00000179523 (2
0.93	>=0.20	CAD (3.2)	WDR76 (3.2)	NUP160 (3.0)
0.93	>=0.20	CKAP5 (3.8)	ABHD1 (2.2)	MAP1A (2.0)
0.93	>=0.20	CKAP5 (3.8)	ABHD1 (2.2)	MAP1A (2.0)
0.93	>=0.20	NDUFS3 (5.9)	MRPL33 (5.7)	MRPL35 (5.1)
0.93	>=0.20	HAVCR1 (3.8)	REEP3 (3.1)	ENSG00000223522 (2
0.93	>=0.20	RIC8B (3.0)	DUSP3 (3.0)	C2orf16 (1.9)
0.93	>=0.20	PTPRJ (2.9)	AFF1 (2.5)	CCDC92 (2.4)
0.93	>=0.20	CSGALNACT1 (2.4)	CHMP3 (2.3)	CMIP (2.3)
0.93	>=0.20	NSMAF (2.9)	MPV17 (2.9)	REEP3 (2.3)
0.93	>=0.20	WDR76 (4.4)	FEN1 (4.2)	MFAP1 (3.9)
0.93	>=0.20	MTCH2 (4.5)	IMMT (4.2)	SNX17 (3.8)
0.93	>=0.20	DPYSL5 (4.8)	RFX4 (4.1)	NCAN (2.7)
0.93	>=0.20	UBXN2B (2.4)	BRE (2.2)	CATSPER2 (2.2)
0.93	>=0.20	NSMAF (2.2)	GMIP (2.2)	PBX4 (1.9)
0.93	>=0.20	CCDC18 (4.8)	FEN1 (4.1)	CKAP5 (3.3)
0.93	>=0.20	ENSG00000222035 (2	ZNF664 (2.3)	ENSG00000254235 (2
0.93	>=0.20	MAMSTR (3.2)	SLC22A3 (2.4)	TMEM101 (2.4)
0.93	>=0.20	MAP1A (3.1)	SOST (3.0)	REEP1 (2.6)
0.93	>=0.20	ENSG00000234945 (2	TDH (2.2)	ENSG00000255020 (1
0.93	>=0.20	OST4 (5.8)	MRPL33 (3.8)	NDUFS3 (3.7)
0.93	>=0.20	OST4 (5.8)	MRPL33 (3.8)	NDUFS3 (3.7)
0.93	>=0.20	WDR76 (4.4)	PPIP5K1 (3.9)	TUBGCP4 (3.2)
0.93	>=0.20	MPP2 (2.5)	ABO (2.1)	SLC22A3 (2.0)
0.93	>=0.20	PPM1G (2.4)	USP1 (2.3)	SUMO1 (2.2)
0.93	>=0.20	CCDC18 (4.5)	CKAP5 (4.2)	FEN1 (4.1)
0.93	>=0.20	COBLL1 (2.0)	DUSP3 (1.9)	CSGALNACT1 (1.9)
0.93	>=0.20	AGBL2 (5.4)	IFT172 (4.3)	DOCK7 (2.9)
0.93	>=0.20	CCDC121 (1.8)	STRC (1.8)	ANGPTL4 (1.6)
0.93	>=0.20	CHMP3 (3.4)	TRNP1 (3.4)	PCSK7 (3.3)
0.93	>=0.20	ENSG00000223522 (3	ENSG00000253379 (2	CCDC92 (2.3)
0.93	>=0.20	BAZ1B (3.9)	BCL7B (3.5)	PPM1G (3.1)
0.93	>=0.20	ABO (2.3)	ENSG00000255020 (2	C2orf53 (2.0)
0.93	>=0.20	NDUFS3 (5.6)	OST4 (5.1)	MRPL33 (5.1)
0.93	>=0.20	GPN2 (4.5)	ZNF513 (3.5)	TXNL4B (3.4)
0.93	>=0.20	MTCH2 (3.4)	EIF2B4 (3.3)	CKAP5 (3.2)

0.93	>=0.20	MTCH2 (3.4)	EIF2B4 (3.3)	CKAP5 (3.2)
0.93	>=0.20	ENSG00000182329 (3	ENSG00000235545 (2	FRMD5 (2.5)
0.93	>=0.20	ENSG00000236267 (3	AGBL2 (3.0)	BLK (2.3)
0.93	>=0.20	EMILIN1 (3.4)	IZUMO1 (2.7)	FUT1 (2.6)
0.93	>=0.20	NSMAF (2.4)	ATG4C (2.4)	C8orf49 (2.3)
0.93	>=0.20	MAPRE3 (4.1)	MAMSTR (3.0)	TRIM54 (2.8)
0.93	>=0.20	IGF2R (3.0)	HDAC5 (2.8)	MTF2 (2.8)
0.93	>=0.20	MPP3 (3.7)	DPYSL5 (3.2)	FAM167A (2.4)
0.93	>=0.20	WDR76 (6.1)	FEN1 (5.8)	DDB2 (4.9)
0.93	>=0.20	DDB2 (5.3)	WDR76 (4.4)	CCDC18 (3.1)
0.93	>=0.20	PAFAH1B2 (4.2)	CHMP3 (3.3)	GATAD2A (2.7)
0.93	>=0.20	C17orf105 (6.8)	TSSK6 (5.6)	DNAJC5G (5.6)
0.93	>=0.20	FEN1 (6.6)	WDR76 (6.5)	USP1 (4.8)
0.93	>=0.20	CKAP5 (2.7)	PCSK7 (2.6)	EPB41L3 (2.2)
0.93	>=0.20	MADD (3.4)	MAP1A (3.3)	EPB41L3 (2.9)
0.93	>=0.20	NCAN (3.7)	HAPLN4 (3.2)	CYP7A1 (2.2)
0.93	>=0.20	ENSG00000257711 (2	CCDC18 (2.5)	CATSPER2 (2.4)
0.93	>=0.20	MPP3 (3.6)	DUSP3 (3.5)	RIC8B (3.0)
0.93	>=0.20	ENSG00000255020 (2	UCN (2.5)	ABO (2.4)
0.93	>=0.20	PDIA3 (4.0)	IZUMO1 (2.7)	PREB (2.7)
0.93	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.93	>=0.20	CHMP3 (3.2)	NRBP1 (2.5)	KLF14 (2.3)
0.93	>=0.20	BCL7B (3.9)	SUMO1 (2.7)	MTF2 (2.6)
0.93	>=0.20	ZNF513 (2.9)	CHMP3 (2.8)	ARHGAP1 (2.3)
0.93	>=0.20	FEN1 (5.7)	WDR76 (5.0)	USP1 (4.6)
0.93	>=0.20	C8orf12 (3.5)	ENSG00000236827 (3	ZNF664 (2.8)
0.93	>=0.20	CILP2 (6.7)	FZD9 (3.6)	EMILIN1 (2.7)
0.93	>=0.20	ENSG00000223522 (3	PAFAH1B2 (2.5)	AFF1 (2.5)
0.93	>=0.20	BUD13 (2.3)	USP1 (2.2)	SUMO1 (2.0)
0.93	>=0.20	DDB2 (3.4)	GALNT2 (2.2)	WDR76 (2.2)
0.93	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (5.0)
0.93	>=0.20	SDCBP (4.5)	STRC (2.6)	MAPRE3 (2.4)
0.93	>=0.20	CASC4 (3.6)	ENSG00000236827 (3	WDR76 (3.0)
0.93	>=0.20	SUMO1 (2.7)	TXNL4B (2.1)	BUD13 (2.1)
0.93	>=0.20	LINC00208 (3.6)	C8orf12 (2.7)	NFE2L3 (2.5)
0.93	>=0.20	CKAP5 (5.6)	CCDC18 (5.1)	WDR76 (3.5)
0.93	>=0.20	WDR76 (4.7)	FEN1 (4.1)	USP1 (3.4)
0.93	>=0.20	DR1 (3.0)	PTPRJ (2.9)	GMIP (2.2)
0.93	>=0.20	GMIP (3.4)	ZDHHC18 (2.4)	PPIP5K1 (2.4)
0.93	>=0.20	PPM1G (3.0)	NRBP1 (2.6)	CELF1 (2.5)
0.93	>=0.20	LINC00208 (2.0)	PACSIN3 (1.9)	C2orf16 (1.9)
0.93	>=0.20	NDUFS3 (5.9)	MRPL33 (5.7)	MRPL35 (5.0)
0.93	>=0.20	NDUFS3 (5.9)	MRPL33 (5.7)	MRPL35 (5.0)
0.93	>=0.20	NDUFS3 (5.9)	MRPL33 (5.7)	MRPL35 (5.0)
0.93	>=0.20	KHK (3.6)	ANGPTL3 (2.8)	SOST (2.7)
0.93	>=0.20	MPP3 (3.0)	MAPK10 (2.5)	FUT1 (2.3)
0.93	>=0.20	MTMR9 (4.3)	ENSG00000254235 (3	EIF3J (2.8)
0.93	>=0.20	TRIM54 (3.8)	REEP1 (3.1)	PACSIN3 (3.1)
0.93	>=0.20	SUMO1 (2.8)	TXNL4B (2.1)	BUD13 (2.0)
0.93	>=0.20	RFX4 (3.7)	CCDC121 (3.7)	ENSG00000235545 (3

0.93	>=0.20	RFX4 (3.7)	CCDC121 (3.7)	ENSG00000235545 (3
0.93	>=0.20	ENSG00000222035 (3	NCAN (3.2)	CGREF1 (2.1)
0.93	>=0.20	ENSG00000255020 (2	PMFBP1 (2.4)	UCN (2.3)
0.93	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.93	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.93	>=0.20	HAPLN4 (3.9)	MPP3 (3.4)	SLC30A3 (3.4)
0.93	>=0.20	MRPL35 (2.5)	ENSG00000236827 (2	TXNL4B (2.3)
0.93	>=0.20	MRPL35 (2.5)	ENSG00000236827 (2	TXNL4B (2.3)
0.93	>=0.20	HAVCR1 (3.2)	REEP3 (2.9)	DNAH10 (2.8)
0.93	>=0.20	RFX4 (4.0)	TECTB (2.6)	C8orf12 (2.6)
0.93	>=0.20	MPP3 (3.5)	MAPRE3 (3.3)	CATSPER2 (2.7)
0.93	>=0.20	GPN2 (3.3)	TOMM40 (3.0)	DHODH (2.9)
0.93	>=0.20	NRBP1 (3.2)	PAFAH1B2 (3.1)	SNX17 (2.7)
0.93	>=0.20	IMMT (3.1)	SUGP1 (2.9)	BRE (2.9)
0.93	>=0.20	PCSK7 (2.4)	BRE (1.9)	BLK (1.8)
0.93	>=0.20	RFX4 (5.4)	NCAN (3.7)	DPYSL5 (3.3)
0.93	>=0.20	NDUFS3 (6.0)	OST4 (4.4)	MRPL35 (3.7)
0.93	>=0.20	ZNF259 (2.4)	GPN2 (2.3)	ENSG00000226645 (1
0.93	>=0.20	ENSG00000179523 (4	ATG4C (2.9)	ENSG00000223522 (2
0.93	>=0.20	MAP1A (3.5)	DPYSL5 (3.4)	MPP2 (3.1)
0.93	>=0.20	REEP1 (2.6)	CCDC92 (2.5)	TRNP1 (2.4)
0.93	>=0.20	RIC8B (3.8)	NRBP1 (2.9)	BCL7B (2.5)
0.93	>=0.20	ENSG00000253379 (4	MPP2 (3.5)	TRNP1 (3.0)
0.94	>=0.20	CCDC18 (4.7)	CASC4 (3.3)	CKAP5 (3.2)
0.94	>=0.20	PDIA3 (8.5)	TMEM214 (3.0)	TBL2 (3.0)
0.94	>=0.20	C11orf49 (6.0)	TP53BP1 (4.5)	AGBL2 (4.1)
0.94	>=0.20	CCDC92 (2.9)	DUSP3 (2.5)	MTMR9 (2.3)
0.94	>=0.20	TRIM54 (3.6)	MYBPC3 (3.6)	GATA4 (3.2)
0.94	>=0.20	NDUFS3 (6.1)	MRPL33 (5.8)	MRPL35 (4.9)
0.94	>=0.20	AGBL2 (7.7)	ENSG00000182329 (3	DNAH10 (3.0)
0.94	>=0.20	WDR76 (5.9)	USP1 (5.0)	FEN1 (4.8)
0.94	>=0.20	OST4 (4.6)	ENSG00000223522 (2	MRPL33 (1.9)
0.94	>=0.20	ATG13 (5.4)	HARBI1 (4.1)	HDAC5 (4.0)
0.94	>=0.20	PTPRJ (2.5)	CELF1 (2.4)	GPAM (2.2)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.8)	MRPL35 (4.9)
0.94	>=0.20	OST4 (4.8)	ENSG00000257711 (2	SUMO1 (2.6)
0.94	>=0.20	OST4 (4.8)	ENSG00000257711 (2	SUMO1 (2.6)
0.94	>=0.20	SLC30A3 (4.1)	MPP2 (3.9)	ENSG00000182329 (3
0.94	>=0.20	ARFGAP2 (3.4)	RIC8B (3.0)	ATG13 (2.9)
0.94	>=0.20	WDR76 (5.4)	FEN1 (5.0)	USP1 (4.9)
0.94	>=0.20	FUT1 (3.4)	RASIP1 (3.3)	MTF2 (2.8)
0.94	>=0.20	MRPL33 (5.8)	NDUFS3 (5.2)	OST4 (5.1)
0.94	>=0.20	CHMP3 (3.6)	ENSG00000222035 (2	TRNP1 (2.3)
0.94	>=0.20	CELF1 (3.5)	LSM12 (2.8)	ENSG00000182329 (2
0.94	>=0.20	NDUFS3 (6.1)	MRPL33 (5.8)	MRPL35 (4.8)
0.94	>=0.20	NDUFS3 (6.1)	MRPL33 (5.8)	MRPL35 (4.8)
0.94	>=0.20	ENSG00000223522 (2	EPB41L3 (2.2)	DNAJC5G (2.1)

0.94	>=0.20	PAFAH1B2 (4.2)	CTDSPL2 (2.9)	MFAP1 (2.7)
0.94	>=0.20	STRC (3.2)	TXNL4B (3.1)	MFAP1 (2.9)
0.94	>=0.20	TMEM214 (5.4)	TBL2 (3.9)	PREB (3.7)
0.94	>=0.20	TMEM214 (5.4)	TBL2 (3.9)	PREB (3.7)
0.94	>=0.20	TMEM214 (5.4)	TBL2 (3.9)	PREB (3.7)
0.94	>=0.20	ENSG00000255020 (2	UCN (2.6)	PMFBP1 (2.4)
0.94	>=0.20	ENSG00000255020 (2	UCN (2.6)	PMFBP1 (2.4)
0.94	>=0.20	C2orf16 (3.2)	PBX4 (2.6)	SIK3 (2.3)
0.94	>=0.20	TMEM214 (7.6)	PREB (4.7)	ATG13 (4.7)
0.94	>=0.20	BCL7B (2.6)	BUD13 (2.3)	SUMO1 (1.9)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.9)	MRPL35 (4.9)
0.94	>=0.20	TDH (3.8)	ENSG00000236267 (3	UCN (3.3)
0.94	>=0.20	FEN1 (4.4)	WDR76 (3.8)	USP1 (3.2)
0.94	>=0.20	CASC4 (3.0)	CCDC121 (2.2)	KRTCAP3 (2.2)
0.94	>=0.20	IZUMO1 (3.5)	ENSG00000235545 (3	DNAJC5G (3.2)
0.94	>=0.20	FZD9 (3.4)	PACSIN3 (3.3)	MAMSTR (3.1)
0.94	>=0.20	HAPLN4 (3.6)	CATSPER2 (3.3)	MPP3 (3.1)
0.94	>=0.20	EMILIN1 (3.6)	NR0B2 (3.0)	CBLC (2.9)
0.94	>=0.20	LINC00208 (3.8)	ACP2 (3.3)	PDIA3 (2.3)
0.94	>=0.20	C8orf12 (3.3)	SLC30A3 (3.1)	TUBGCP4 (2.8)
0.94	>=0.20	GPN2 (4.0)	NRBF2 (3.6)	ZNF513 (3.5)
0.94	>=0.20	IZUMO1 (3.1)	ZDHHC18 (2.5)	SIK3 (2.3)
0.94	>=0.20	TAGLN (3.0)	CHMP3 (2.7)	TRIM54 (2.6)
0.94	>=0.20	AGBL2 (5.9)	TSSK6 (4.4)	C2orf53 (3.9)
0.94	>=0.20	BCL7B (5.5)	KBTBD4 (4.3)	ARID1A (3.4)
0.94	>=0.20	NRBF2 (2.8)	GPN2 (2.7)	DR1 (2.7)
0.94	>=0.20	ARHGAP1 (2.6)	UBXN2B (2.4)	MTMR9 (2.4)
0.94	>=0.20	BUD13 (2.2)	RIC8B (2.1)	ABHD1 (1.6)
0.94	>=0.20	FRMD5 (3.6)	DPYSL5 (3.4)	MAPK10 (3.4)
0.94	>=0.20	TRIM54 (6.0)	MAMSTR (4.4)	PACSIN3 (3.4)
0.94	>=0.20	WDR76 (4.4)	NUP160 (3.1)	FEN1 (3.0)
0.94	>=0.20	TAGLN (4.6)	ARHGAP1 (3.4)	PDIA3 (2.3)
0.94	>=0.20	NDUFS3 (6.2)	MRPL33 (5.7)	MRPL35 (4.9)
0.94	>=0.20	STRC (2.8)	KLF14 (2.6)	PMFBP1 (2.4)
0.94	>=0.20	WDR76 (6.8)	FEN1 (6.8)	USP1 (5.0)
0.94	>=0.20	ENSG00000223745 (3	ABHD1 (3.0)	MPV17 (2.8)
0.94	>=0.20	MYBPC3 (7.6)	TRIM54 (6.3)	IMMT (4.3)
0.94	>=0.20	CKAP5 (5.6)	CCDC18 (3.9)	FEN1 (3.8)
0.94	>=0.20	ATG4C (3.3)	ENSG00000226645 (2	MAPK10 (2.1)
0.94	>=0.20	ATG4C (3.3)	ENSG00000226645 (2	MAPK10 (2.1)
0.94	>=0.20	UBXN2B (2.3)	PBX4 (2.3)	ZDHHC18 (2.1)
0.94	>=0.20	NR0B2 (3.2)	ATG13 (2.8)	C2orf16 (2.4)
0.94	>=0.20	NDUFS3 (6.1)	MRPL33 (5.7)	MRPL35 (4.9)
0.94	>=0.20	NRBP1 (3.0)	MPV17 (2.8)	ATG4C (2.7)
0.94	>=0.20	MFAP1 (2.6)	TXNL4B (2.5)	TUBGCP4 (2.4)
0.94	>=0.20	HAPLN4 (5.8)	MAP1A (5.2)	MPP2 (4.5)
0.94	>=0.20	PDIA3 (4.2)	PREB (3.1)	IZUMO1 (2.5)
0.94	>=0.20	ATG13 (6.2)	TMEM214 (5.6)	PREB (3.6)
0.94	>=0.20	TRIM54 (3.9)	CILP2 (3.4)	GPAM (2.2)
0.94	>=0.20	RIC8B (4.3)	ENSG00000182329 (3	ENSG00000256731 (3

0.94	>=0.20	TDH (3.0)	C8orf12 (2.6)	LPAR2 (2.3)
0.94	>=0.20	PCIF1 (2.5)	ENSG00000257711 (2	ENSG00000236827 (2
0.94	>=0.20	FUT1 (3.8)	CHMP3 (2.3)	MAPRE3 (2.2)
0.94	>=0.20	FUT2 (3.7)	REEP1 (3.7)	PCSK7 (2.5)
0.94	>=0.20	CKAP5 (5.0)	FEN1 (4.1)	CCDC18 (3.3)
0.94	>=0.20	PAFAH1B2 (3.6)	REEP1 (2.7)	MAPRE3 (2.7)
0.94	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	PMFBP1 (2.2)
0.94	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	PMFBP1 (2.2)
0.94	>=0.20	MAMSTR (3.6)	FGF21 (3.5)	PMFBP1 (2.2)
0.94	>=0.20	PAFAH1B2 (2.8)	PGS1 (2.6)	IFT172 (2.3)
0.94	>=0.20	TMEM214 (4.9)	PREB (4.0)	TBL2 (3.5)
0.94	>=0.20	MAMSTR (5.4)	PACSIN3 (4.0)	FZD9 (3.2)
0.94	>=0.20	ENSG00000179523 (4	MTMR9 (3.5)	ENSG00000223522 (2
0.94	>=0.20	KBTBD4 (3.1)	DR1 (2.8)	RIC8B (2.7)
0.94	>=0.20	FDFT1 (4.6)	FADS1 (4.6)	FADS2 (4.5)
0.94	>=0.20	CYP26A1 (2.9)	RSPO3 (2.6)	FUT2 (2.6)
0.94	>=0.20	ENSG00000226645 (2	C2orf16 (2.1)	ENSG00000179523 (2
0.94	>=0.20	LINC00208 (3.3)	NFE2L3 (2.1)	ZNF408 (2.0)
0.94	>=0.20	MPV17 (2.7)	ATG4C (2.6)	CHMP3 (2.5)
0.94	>=0.20	MYBPC3 (4.9)	GATA4 (4.1)	TRIM54 (3.2)
0.94	>=0.20	MYBPC3 (4.9)	GATA4 (4.1)	TRIM54 (3.2)
0.94	>=0.20	DUSP3 (2.0)	C8orf49 (1.9)	COBLL1 (1.9)
0.94	>=0.20	ENSG00000182319 (2	ENSG00000223745 (2	RSPO3 (1.9)
0.94	>=0.20	TMEM101 (3.3)	MAPRE3 (3.1)	DUSP3 (3.0)
0.94	>=0.20	PPM1G (3.4)	NRBF2 (3.3)	JMJD1C (3.0)
0.94	>=0.20	USP1 (3.3)	MTF2 (3.3)	PPM1G (3.3)
0.94	>=0.20	DPYSL5 (4.9)	MAP1A (3.0)	TRNP1 (2.9)
0.94	>=0.20	FEN1 (6.3)	WDR76 (5.4)	USP1 (4.4)
0.94	>=0.20	ENSG00000253379 (4	DNAJC5G (2.6)	BNC2 (2.5)
0.94	>=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (4.8)
0.94	>=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (4.8)
0.94	>=0.20	TRIM54 (8.3)	MYBPC3 (7.2)	PACSIN3 (4.3)
0.94	>=0.20	TUBGCP4 (3.0)	CKAP5 (3.0)	CCDC18 (2.7)
0.94	>=0.20	MTMR9 (2.5)	ZNF513 (2.5)	RIC8B (2.0)
0.94	>=0.20	C8orf49 (3.5)	NEIL2 (3.2)	FRMD5 (2.5)
0.94	>=0.20	C17orf105 (6.4)	DNAJC5G (5.3)	PMFBP1 (5.2)
0.94	>=0.20	TMEM214 (6.2)	PREB (4.5)	TBL2 (4.3)
0.94	>=0.20	NCAN (3.4)	C1QTNF4 (2.6)	ARID1A (2.2)
0.94	>=0.20	BUD13 (2.7)	MAMSTR (2.5)	GTF3C2 (2.5)
0.94	>=0.20	AFF1 (2.5)	ENSG00000236827 (2	ENSG00000254235 (1
0.94	>=0.20	DDB2 (5.4)	JMJD1C (4.4)	KDM3A (2.9)
0.94	>=0.20	AGBL5 (3.0)	WDR76 (2.9)	GATAD2A (2.9)
0.94	>=0.20	NAT2 (2.8)	TRIM54 (2.6)	APOA4 (2.1)
0.94	>=0.20	CCDC92 (3.1)	REEP1 (3.1)	MADD (2.8)
0.94	>=0.20	C17orf105 (7.2)	DNAJC5G (5.9)	TSSK6 (5.6)
0.94	>=0.20	NDUFS3 (6.1)	MRPL33 (5.7)	MRPL35 (4.8)
0.94	>=0.20	MAMSTR (3.0)	KLF14 (2.7)	TMEM101 (2.7)
0.94	>=0.20	CKAP5 (5.8)	CCDC18 (5.3)	TP53BP1 (3.0)
0.94	>=0.20	LINC00208 (3.2)	ENSG00000235545 (2	ZNF408 (2.1)
0.94	>=0.20	CLPTM1 (4.0)	REEP3 (3.9)	C2orf28 (3.2)

0.94	>=0.20	OST4 (3.5)	NOP58 (2.7)	NSMAF (2.5)
0.94	>=0.20	TAGLN (2.4)	RSPO3 (2.0)	SLC22A3 (1.9)
0.94	>=0.20	TRNP1 (3.2)	CHMP3 (3.0)	ENSG00000222035 (2
0.94	>=0.20	CGREF1 (2.8)	ENSG00000226645 (2	ENSG00000256746 (2
0.94	>=0.20	CYP26A1 (3.5)	SOST (3.3)	LRP4 (3.0)
0.94	>=0.20	MAMSTR (3.4)	CMIP (3.3)	MAPRE3 (2.5)
0.94	>=0.20	C17orf105 (6.1)	TSSK6 (5.3)	IZUMO1 (4.0)
0.94	>=0.20	SLC30A3 (4.1)	ABO (3.0)	RIC8B (2.6)
0.94	>=0.20	MRPL35 (7.3)	MRPL33 (4.4)	NDUFS3 (3.5)
0.94	>=0.20	MRPL35 (7.3)	MRPL33 (4.4)	NDUFS3 (3.5)
0.94	>=0.20	ZNF335 (2.2)	ZNF408 (2.0)	SDCBP (2.0)
0.94	>=0.20	C1orf172 (3.1)	KRTCAP3 (2.9)	ENSG00000222035 (2
0.94	>=0.20	MADD (3.5)	GMIP (3.1)	HDAC5 (2.7)
0.94	>=0.20	MFAP1 (3.5)	MTMR9 (3.1)	DR1 (3.0)
0.94	>=0.20	RFX4 (3.1)	DPYSL5 (2.9)	FRMD5 (2.5)
0.94	>=0.20	BRE (4.3)	MPV17 (2.1)	LPAR2 (1.9)
0.94	>=0.20	CILP2 (5.7)	FZD9 (5.1)	EMILIN1 (4.5)
0.94	>=0.20	REEP1 (2.6)	RASIP1 (2.4)	C8orf49 (2.3)
0.94	>=0.20	HDAC5 (3.6)	BMPR2 (2.6)	IFT172 (2.3)
0.94	>=0.20	BCL7B (3.7)	MTF2 (3.0)	UBXN2B (2.5)
0.94	>=0.20	PPIP5K1 (2.9)	MADD (2.4)	TUBGCP4 (2.3)
0.94	>=0.20	WDR76 (5.5)	FEN1 (4.6)	USP1 (4.0)
0.94	>=0.20	GTF3C2 (3.4)	GPN2 (3.3)	KBTBD4 (3.1)
0.94	>=0.20	PPY (3.1)	RFX4 (3.0)	PYY (3.0)
0.94	>=0.20	MYBPC3 (5.6)	FRMD5 (3.9)	TRIM54 (3.8)
0.94	>=0.20	ENSG00000182319 (2	MAP1A (2.5)	GMIP (2.2)
0.94	>=0.20	NCAN (2.7)	ENSG00000235545 (2	FNDC4 (2.3)
0.94	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (5.2)
0.94	>=0.20	BLK (3.4)	NRBF2 (2.2)	PBX4 (1.9)
0.94	>=0.20	CD300LG (2.8)	AFF1 (2.2)	TMEM175 (1.9)
0.94	>=0.20	CD300LG (2.8)	AFF1 (2.2)	TMEM175 (1.9)
0.94	>=0.20	ENSG00000179523 (4	ATG4C (3.0)	AGBL2 (2.8)
0.95	>=0.20	TRNP1 (3.6)	PCSK7 (3.5)	CHMP3 (2.7)
0.95	>=0.20	EIF2B4 (3.2)	SNX17 (2.9)	HARBI1 (2.6)
0.95	>=0.20	MADD (3.2)	CHMP3 (2.9)	CTDSPL2 (2.4)
0.95	>=0.20	FEN1 (5.6)	WDR76 (5.2)	USP1 (3.5)
0.95	>=0.20	PPY (2.9)	NCAN (2.4)	AFF1 (2.2)
0.95	>=0.20	CILP2 (3.7)	EMILIN1 (3.1)	SOST (3.0)
0.95	>=0.20	DHODH (3.5)	TOMM40 (3.1)	ENSG00000223745 (2
0.95	>=0.20	MAPK10 (2.1)	PTPRJ (2.0)	FADS2 (1.9)
0.95	>=0.20	CTDSPL2 (2.8)	LSM12 (2.7)	DR1 (2.6)
0.95	>=0.20	BNC2 (2.3)	CYP26A1 (2.3)	TAGLN (2.2)
0.95	>=0.20	NDUFS3 (5.8)	MRPL33 (5.6)	MRPL35 (4.5)
0.95	>=0.20	SFN (4.4)	C1orf172 (4.3)	CBLC (2.7)
0.95	>=0.20	PTPMT1 (3.0)	MRPL33 (2.7)	BRE (2.7)
0.95	>=0.20	PTPMT1 (3.0)	MRPL33 (2.7)	BRE (2.7)
0.95	>=0.20	BCL7B (4.1)	PAFAH1B2 (3.5)	ENSG00000223745 (3
0.95	>=0.20	WDR76 (3.4)	FEN1 (3.2)	MTF2 (3.2)
0.95	>=0.20	FEN1 (5.6)	WDR76 (5.4)	USP1 (5.1)
0.95	>=0.20	WDR76 (6.4)	FEN1 (6.2)	USP1 (4.5)

0.95 >=0.20	MPV17 (3.4)	NRBP1 (3.3)	SNX17 (3.0)
0.95 >=0.20	FNBP4 (2.8)	MTF2 (2.7)	BCL7B (2.5)
0.95 >=0.20	BCL7B (3.7)	EIF3J (3.3)	SUMO1 (2.9)
0.95 >=0.20	HAPLN4 (5.1)	MAP1A (2.9)	NR1H3 (2.7)
0.95 >=0.20	ARFGAP2 (3.7)	KBTBD4 (3.4)	ATG13 (3.2)
0.95 >=0.20	AGBL2 (3.9)	IFT172 (3.6)	AGBL5 (2.8)
0.95 >=0.20	MYBPC3 (7.0)	TRIM54 (5.1)	FRMD5 (4.5)
0.95 >=0.20	BCL3 (3.6)	DOCK7 (2.7)	ZDHHC18 (2.7)
0.95 >=0.20	RFX4 (3.9)	NCAN (3.5)	MPP2 (3.1)
0.95 >=0.20	NDUFS3 (6.2)	MRPL33 (5.6)	MRPL35 (4.8)
0.95 >=0.20	WDR76 (3.4)	TXNL4B (3.3)	MFAP1 (2.9)
0.95 >=0.20	DPYSL5 (4.7)	TRNP1 (3.0)	MAP1A (2.9)
0.95 >=0.20	RASIP1 (3.1)	DOCK6 (3.1)	CSGALNACT1 (2.3)
0.95 >=0.20	IMMT (3.7)	MTCH2 (3.0)	NDUFS3 (2.8)
0.95 >=0.20	MTMR9 (3.4)	INTS10 (3.0)	GPN2 (2.9)
0.95 >=0.20	MTMR9 (3.4)	INTS10 (3.0)	GPN2 (2.9)
0.95 >=0.20	SLC22A3 (2.9)	PPIP5K1 (2.4)	PCIF1 (2.2)
0.95 >=0.20	SLC30A3 (3.2)	DUSP3 (2.1)	MPP2 (2.0)
0.95 >=0.20	OST4 (3.0)	CCDC121 (2.8)	SUMO1 (2.8)
0.95 >=0.20	TECTB (3.2)	TRNP1 (2.7)	HAPLN4 (2.7)
0.95 >=0.20	C1QTNF4 (3.5)	PLTP (2.8)	BNC2 (2.1)
0.95 >=0.20	LINC00208 (3.0)	BLK (2.9)	APOE (2.2)
0.95 >=0.20	HAVCR1 (3.2)	SUPT7L (2.3)	AGBL2 (2.2)
0.95 >=0.20	CYP26A1 (3.8)	CILP2 (3.2)	ENSG00000253379 (2
0.95 >=0.20	FGF21 (2.5)	ENSG00000234945 (2	SIK3 (2.2)
0.95 >=0.20	FGF21 (2.5)	ENSG00000234945 (2	SIK3 (2.2)
0.95 >=0.20	MRPL33 (5.8)	NDUFS3 (5.8)	MRPL35 (5.1)
0.95 >=0.20	MYBPC3 (7.7)	TRIM54 (6.3)	IMMT (4.2)
0.95 >=0.20	FEN1 (5.8)	WDR76 (5.8)	USP1 (5.4)
0.95 >=0.20	SOST (3.2)	ENSG00000234945 (2	G6PC3 (2.1)
0.95 >=0.20	DDB2 (4.1)	KBTBD4 (2.9)	ENSG00000179523 (2
0.95 >=0.20	DDB2 (4.1)	KBTBD4 (2.9)	ENSG00000179523 (2
0.95 >=0.20	AGBL2 (4.0)	IFT172 (3.2)	AGBL5 (3.1)
0.95 >=0.20	RFX4 (2.8)	PLTP (2.7)	NCAN (2.4)
0.95 >=0.20	MTCH2 (3.8)	EIF2B4 (3.4)	NFE2L3 (3.3)
0.95 >=0.20	CD300LG (2.4)	EMILIN1 (2.2)	ENSG00000223522 (1
0.95 >=0.20	LINC00208 (2.8)	NFE2L3 (2.1)	CATSPER2 (2.1)
0.95 >=0.20	USP1 (5.0)	FEN1 (4.8)	WDR76 (4.3)
0.95 >=0.20	CMIP (3.0)	C1QTNF4 (2.9)	MAPRE3 (2.8)
0.95 >=0.20	JMJD1C (2.1)	DOCK7 (2.0)	ATP13A1 (1.8)
0.95 >=0.20	GATAD2A (3.2)	CAD (3.1)	NOP58 (2.6)
0.95 >=0.20	SLC30A3 (2.6)	ENSG00000182319 (2	MAMSTR (2.3)
0.95 >=0.20	DPYSL5 (4.0)	RFX4 (3.4)	MAPK10 (2.9)
0.95 >=0.20	MPP3 (4.0)	C1QTNF4 (3.9)	MPP2 (3.1)
0.95 >=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (5.0)
0.95 >=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (5.0)
0.95 >=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (5.0)
0.95 >=0.20	TXNL4B (3.1)	MFAP1 (2.4)	PCIF1 (2.2)
0.95 >=0.20	SPG11 (4.0)	MPV17 (3.8)	ZNF259 (3.7)
0.95 >=0.20	WDR76 (4.2)	FEN1 (4.2)	CTDSPL2 (4.1)

0.95	>=0.20	ZNF513 (3.4)	NRBF2 (2.6)	ATG4C (2.3)
0.95	>=0.20	ARID1A (3.9)	BUD13 (3.5)	BAZ1B (3.2)
0.95	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	BAZ1B (2.2)
0.95	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	BAZ1B (2.2)
0.95	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	BAZ1B (2.2)
0.95	>=0.20	PPM1G (2.4)	SUMO1 (2.3)	BAZ1B (2.2)
0.95	>=0.20	IMMT (3.2)	FGF21 (3.2)	NRBP1 (2.8)
0.95	>=0.20	ATG13 (3.9)	ARFGAP2 (2.8)	EIF3J (2.6)
0.95	>=0.20	SUMO1 (3.5)	FDFT1 (3.3)	MTCH2 (2.5)
0.95	>=0.20	ZNF408 (2.9)	NSMAF (2.6)	SPG11 (2.4)
0.95	>=0.20	NEIL2 (3.8)	DDB2 (3.7)	ENSG00000223522 (2
0.95	>=0.20	WDR76 (4.9)	FEN1 (4.3)	CTDSPL2 (4.3)
0.95	>=0.20	OST4 (2.7)	ZNF512 (2.6)	C11orf49 (2.3)
0.95	>=0.20	LRP4 (3.5)	PTPN13 (3.0)	SOST (2.7)
0.95	>=0.20	BLK (2.9)	BRE (2.2)	APOC1 (2.2)
0.95	>=0.20	ENSG00000235545 (3	DPYSL5 (2.7)	PAFAH1B2 (2.5)
0.95	>=0.20	FADS2 (2.1)	IZUMO1 (2.0)	DPYSL5 (2.0)
0.95	>=0.20	MAU2 (4.4)	SUGP1 (3.2)	TMEM214 (3.1)
0.95	>=0.20	SLC22A3 (3.3)	ENSG00000235545 (2	PIGV (2.3)
0.95	>=0.20	WDR76 (5.4)	CCDC18 (4.4)	FEN1 (4.2)
0.95	>=0.20	IMMT (3.5)	MTCH2 (3.1)	PTPMT1 (3.1)
0.95	>=0.20	SDCBP (3.1)	BCL3 (3.1)	DR1 (2.7)
0.95	>=0.20	BNC2 (4.0)	ENSG00000253379 (2	LRP4 (2.0)
0.95	>=0.20	TBL2 (3.2)	CGREF1 (2.7)	ENSG00000235545 (2
0.95	>=0.20	LINC00208 (3.2)	C2orf16 (3.0)	BLK (2.1)
0.95	>=0.20	DHODH (2.5)	CAD (2.4)	MAMSTR (2.0)
0.95	>=0.20	WDR76 (6.0)	USP1 (5.2)	FEN1 (4.8)
0.95	>=0.20	ARID1A (4.3)	CMIP (2.6)	MAPRE3 (2.5)
0.95	>=0.20	NDUFS3 (5.8)	MRPL33 (5.2)	MYBPC3 (4.5)
0.95	>=0.20	MADD (2.6)	DOCK6 (2.5)	GMIP (2.4)
0.95	>=0.20	TDH (3.9)	TSSK6 (2.8)	C8orf49 (2.7)
0.95	>=0.20	MAP1A (3.3)	CCDC92 (3.0)	MTMR9 (2.6)
0.95	>=0.20	EMILIN1 (2.5)	ENSG00000235545 (2	KANK2 (2.2)
0.95	>=0.20	GPN2 (4.2)	TXNL4B (3.7)	NRBF2 (3.6)
0.95	>=0.20	TRIM54 (5.2)	TAGLN (4.2)	REEP1 (3.6)
0.95	>=0.20	MAPK10 (3.6)	TRNP1 (3.5)	SLC30A3 (3.1)
0.95	>=0.20	ENSG00000256731 (4	STRC (3.6)	SLC22A3 (2.5)
0.95	>=0.20	NDUFS3 (4.5)	OST4 (3.5)	MRPL33 (2.9)
0.95	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (4.5)
0.95	>=0.20	CKAP5 (5.1)	FEN1 (2.6)	TP53BP1 (2.5)
0.95	>=0.20	ENSG00000182329 (4	DPYSL5 (3.8)	RFX4 (3.3)
0.95	>=0.20	RFX4 (3.5)	FRMD5 (2.6)	DOCK7 (2.6)
0.95	>=0.20	TMEM214 (5.0)	MADD (3.2)	HAPLN4 (2.8)
0.95	>=0.20	TAGLN (3.0)	NCAN (2.6)	PTPRJ (2.5)
0.95	>=0.20	IMMT (3.1)	TMED5 (2.9)	ENSG00000223745 (2
0.95	>=0.20	LINC00208 (3.4)	C2orf16 (2.4)	ZDHHC18 (2.4)
0.95	>=0.20	MPP2 (2.5)	ZDHHC18 (2.4)	ENSG00000255020 (2
0.95	>=0.20	MPP2 (2.5)	ZDHHC18 (2.4)	ENSG00000255020 (2
0.95	>=0.20	TDH (2.7)	C2orf53 (2.7)	CCDC92 (2.4)
0.95	>=0.20	SUGP1 (3.0)	BAZ1B (2.8)	FNBP4 (2.6)

0.95	>=0.20	SUMO1 (3.3)	GPN1 (2.8)	ENSG00000226645 (2
0.95	>=0.20	DHODH (3.4)	C17orf105 (2.8)	TXNL4B (2.4)
0.95	>=0.20	C17orf105 (2.5)	ENSG00000255020 (2	C11orf49 (2.0)
0.95	>=0.20	WDR76 (6.3)	FEN1 (6.0)	USP1 (5.7)
0.95	>=0.20	SDCBP (4.0)	CTSB (3.1)	DUSP3 (3.0)
0.95	>=0.20	EPB41L3 (2.4)	FUT1 (2.3)	MAPK10 (2.2)
0.95	>=0.20	EPB41L3 (2.4)	FUT1 (2.3)	MAPK10 (2.2)
0.95	>=0.20	EPB41L3 (2.4)	FUT1 (2.3)	MAPK10 (2.2)
0.95	>=0.20	STRC (3.1)	REEP1 (2.7)	MYBPC3 (2.6)
0.95	>=0.20	ENSG00000223522 (3	SUPT7L (2.5)	MPV17 (2.5)
0.95	>=0.20	MAPRE3 (4.7)	ABO (3.0)	MAP1A (2.2)
0.95	>=0.20	TRIM54 (3.7)	MRPL33 (2.2)	CMIP (2.0)
0.95	>=0.20	LPAL2 (3.5)	ABO (3.2)	SLC30A3 (2.7)
0.95	>=0.20	ZNF335 (3.4)	HDAC5 (2.5)	IFT172 (2.4)
0.95	>=0.20	ZNF335 (3.4)	HDAC5 (2.5)	IFT172 (2.4)
0.95	>=0.20	ZNF335 (3.4)	HDAC5 (2.5)	IFT172 (2.4)
0.95	>=0.20	ZNF335 (3.4)	HDAC5 (2.5)	IFT172 (2.4)
0.95	>=0.20	SOST (3.4)	ENSG00000234945 (2	UCN (2.0)
0.95	>=0.20	NDUFS3 (5.8)	MRPL33 (5.4)	MRPL35 (5.1)
0.95	>=0.20	ENSG00000222035 (2	CHMP3 (2.3)	STRC (2.1)
0.95	>=0.20	SNX17 (4.0)	NRBP1 (3.7)	HDAC5 (3.2)
0.95	>=0.20	INTS10 (2.9)	C11orf49 (2.7)	TMEM175 (2.5)
0.95	>=0.20	FEN1 (6.3)	WDR76 (6.3)	USP1 (4.0)
0.95	>=0.20	EIF2B4 (2.9)	ENSG00000200241 (2	ENSG00000256731 (2
0.95	>=0.20	NDUFS3 (5.9)	MRPL33 (5.8)	MRPL35 (4.8)
0.95	>=0.20	PTPRJ (2.5)	NFE2L3 (2.2)	PBX4 (2.1)
0.95	>=0.20	WDR76 (6.1)	FEN1 (5.7)	USP1 (5.6)
0.95	>=0.20	NRBP1 (4.2)	SIK3 (2.7)	SNX17 (2.7)
0.95	>=0.20	IGF2R (2.9)	DDB2 (2.8)	GATAD2A (2.6)
0.95	>=0.20	SIK3 (3.1)	NCAN (3.0)	DOCK7 (2.8)
0.95	>=0.20	GPN2 (4.2)	NRBF2 (3.2)	MTF2 (3.1)
0.95	>=0.20	LINC00208 (3.0)	BLK (2.8)	APOE (2.3)
0.95	>=0.20	LINC00208 (3.0)	BLK (2.8)	APOE (2.3)
0.95	>=0.20	LINC00208 (3.0)	BLK (2.8)	APOE (2.3)
0.95	>=0.20	LINC00208 (3.0)	BLK (2.8)	APOE (2.3)
0.95	>=0.20	MTMR9 (3.2)	RIC8B (2.5)	C8orf12 (2.2)
0.95	>=0.20	SLC30A3 (2.5)	MADD (2.5)	MPP2 (2.1)
0.95	>=0.20	GPN2 (4.7)	KBTBD4 (3.3)	MTF2 (3.0)
0.95	>=0.20	PDIA3 (4.5)	IMMT (3.5)	TOMM40 (3.0)
0.95	>=0.20	DUSP3 (3.2)	ENSG00000200241 (2	PTPMT1 (2.4)
0.95	>=0.20	FUT2 (3.4)	PYY (3.2)	NAT2 (2.4)
0.95	>=0.20	PDIA3 (8.1)	TBL2 (2.9)	TMEM214 (2.8)
0.95	>=0.20	DNAJC5G (4.7)	C17orf105 (4.6)	ENSG00000257711 (4
0.95	>=0.20	C17orf105 (2.9)	ENSG00000222035 (2	AGBL2 (2.4)
0.95	>=0.20	C17orf105 (2.9)	ENSG00000222035 (2	AGBL2 (2.4)
0.95	>=0.20	ENSG00000236827 (2	DNAH10 (2.6)	UCN (2.6)
0.95	>=0.20	MPV17 (3.0)	EPB41L3 (3.0)	GATAD2A (2.1)
0.95	>=0.20	C8orf49 (3.6)	GATA4 (3.3)	KHK (3.0)
0.95	>=0.20	MYBPC3 (4.0)	TRIM54 (3.4)	GATA4 (3.3)
0.95	>=0.20	SDCBP (4.2)	DUSP3 (3.5)	CTSB (3.5)

0.95	>=0.20	ENSG00000179523 (4	ENSG00000223522 (3	ATG4C (2.6)
0.95	>=0.20	GPN2 (4.7)	ZNF513 (3.3)	NRBF2 (3.0)
0.95	>=0.20	DDB2 (2.3)	ENSG00000226645 (1	IMMT (1.8)
0.95	>=0.20	PBX4 (2.4)	ENSG00000236267 (2	ENSG00000255020 (2
0.95	>=0.20	SUMO1 (2.4)	PPM1G (2.3)	BAZ1B (2.2)
0.95	>=0.20	LINC00208 (3.1)	BLK (2.6)	APOE (2.2)
0.95	>=0.20	CKAP5 (3.1)	C11orf49 (2.7)	OST4 (2.2)
0.95	>=0.20	CKAP5 (3.1)	C11orf49 (2.7)	OST4 (2.2)
0.95	>=0.20	CKAP5 (3.1)	C11orf49 (2.7)	OST4 (2.2)
0.95	>=0.20	NSMAF (3.0)	ENSG00000223745 (2	EIF3J (2.4)
0.95	>=0.20	BCL7B (3.8)	PCIF1 (3.7)	BAZ1B (3.0)
0.95	>=0.20	SLC30A3 (2.2)	PPY (2.1)	PYY (2.1)
0.95	>=0.20	STRC (3.5)	TRIM54 (2.7)	MYBPC3 (2.6)
0.95	>=0.20	SLC30A3 (3.3)	FUT1 (3.0)	ENSG00000255020 (2
0.95	>=0.20	PDIA3 (3.4)	FGF21 (3.3)	ENSG00000179523 (3
0.95	>=0.20	PDIA3 (3.4)	FGF21 (3.3)	ENSG00000179523 (3
0.95	>=0.20	ENSG00000253379 (3	CYP26A1 (3.5)	LRP4 (3.1)
0.95	>=0.20	PMFBP1 (2.6)	IZUMO1 (2.5)	ABHD1 (2.2)
0.95	>=0.20	MAP1A (3.5)	MYBPC3 (3.4)	HAPLN4 (2.9)
0.95	>=0.20	CCDC18 (4.5)	CASC4 (3.6)	TMEM175 (3.6)
0.95	>=0.20	DUSP3 (3.2)	FNDC4 (3.0)	NRBP1 (2.9)
0.95	>=0.20	DUSP3 (3.2)	FNDC4 (3.0)	NRBP1 (2.9)
0.95	>=0.20	OST4 (5.1)	ENSG00000223522 (2	ENSG00000226645 (2
0.95	>=0.20	ENSG00000182329 (2	SUPT7L (2.0)	C2orf53 (2.0)
0.95	>=0.20	MAMSTR (4.3)	FGF21 (3.1)	PMFBP1 (2.1)
0.95	>=0.20	TP53BP1 (3.6)	SPG11 (2.7)	JMJD1C (2.6)
0.95	>=0.20	TM6SF2 (2.4)	ABHD1 (2.0)	KHK (2.0)
0.95	>=0.20	TMEM214 (3.5)	CLPTM1 (3.0)	SNX17 (2.9)
0.96	>=0.20	TP53BP1 (4.3)	ENSG00000179523 (3	SPG11 (3.5)
0.96	>=0.20	MTMR9 (4.8)	HAVCR1 (2.5)	NCAN (2.5)
0.96	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (4.8)
0.96	>=0.20	C8orf49 (9.4)	GATA4 (4.2)	NR0B2 (3.6)
0.96	>=0.20	ZNF513 (4.0)	GPN2 (3.8)	NRBF2 (3.7)
0.96	>=0.20	USP1 (4.2)	FEN1 (3.3)	AGBL2 (2.9)
0.96	>=0.20	TMEM214 (3.9)	TP53BP1 (3.5)	IFT172 (3.4)
0.96	>=0.20	WDR76 (7.0)	FEN1 (5.8)	DDB2 (4.3)
0.96	>=0.20	TP53BP1 (3.5)	PGS1 (2.9)	SUGP1 (2.6)
0.96	>=0.20	C2orf53 (4.1)	LPA (2.6)	TXNL4B (2.5)
0.96	>=0.20	NCAN (4.5)	MAP1A (3.4)	HAPLN4 (3.4)
0.96	>=0.20	PPY (3.1)	PYY (2.7)	KRTCAP3 (2.6)
0.96	>=0.20	MPV17 (3.5)	CTSB (2.9)	SDCBP (2.9)
0.96	>=0.20	PPY (5.6)	PYY (2.3)	TRIB1 (2.0)
0.96	>=0.20	MYBPC3 (5.5)	FRMD5 (3.9)	TRIM54 (3.8)
0.96	>=0.20	BCL7B (4.2)	PCIF1 (3.6)	KBTBD4 (3.2)
0.96	>=0.20	WDR76 (7.1)	FEN1 (6.5)	USP1 (4.9)
0.96	>=0.20	ENSG00000235545 (2	PCSK7 (2.2)	IZUMO1 (2.2)
0.96	>=0.20	PACSIN3 (3.5)	KANK2 (3.4)	REEP1 (3.2)
0.96	>=0.20	FEN1 (6.6)	WDR76 (6.4)	USP1 (5.2)
0.96	>=0.20	AGBL2 (3.9)	IFT172 (3.6)	AGBL5 (2.8)
0.96	>=0.20	REEP3 (2.8)	ATG13 (2.7)	KBTBD4 (2.7)

0.96	>=0.20	MPP3 (2.9)	BRE (2.7)	MTF2 (2.5)
0.96	>=0.20	FNDC4 (4.2)	MAP1A (2.7)	C1QTNF4 (2.6)
0.96	>=0.20	DPYSL5 (3.1)	ENSG00000236827 (3	PTPN13 (2.7)
0.96	>=0.20	DPYSL5 (3.1)	ENSG00000236827 (3	PTPN13 (2.7)
0.96	>=0.20	MADD (3.5)	PPIP5K1 (3.4)	MPP2 (3.2)
0.96	>=0.20	MYBPC3 (6.3)	TRIM54 (6.2)	PACSIN3 (4.2)
0.96	>=0.20	ENSG00000179523 (3	HAVCR1 (3.2)	SUMO1 (3.0)
0.96	>=0.20	PPIP5K1 (2.3)	ENSG00000222035 (2	AGBL5 (2.0)
0.96	>=0.20	SUGP1 (3.1)	MRPL33 (2.9)	UBXN2B (2.8)
0.96	>=0.20	SUGP1 (3.1)	MRPL33 (2.9)	UBXN2B (2.8)
0.96	>=0.20	CHMP3 (3.2)	UBXN2B (3.1)	FUT2 (3.0)
0.96	>=0.20	CD300LG (3.0)	C2orf53 (3.0)	LPAR2 (2.9)
0.96	>=0.20	ENSG00000223522 (2	ZNF512 (2.3)	AGBL5 (2.2)
0.96	>=0.20	MRPL33 (4.6)	MRPL35 (4.4)	NDUFS3 (4.2)
0.96	>=0.20	PBX4 (3.4)	DOCK7 (3.2)	ENSG00000179523 (2
0.96	>=0.20	GPN2 (4.0)	LSM12 (3.7)	ZNF513 (3.5)
0.96	>=0.20	DDB2 (2.8)	FADS1 (2.7)	KRTCAP3 (2.4)
0.96	>=0.20	NUP160 (2.4)	ATG4C (2.3)	ENSG00000223522 (2
0.96	>=0.20	ENSG00000255020 (4	MTCH2 (2.5)	ARFGAP2 (2.4)
0.96	>=0.20	MADD (3.7)	MPP2 (3.1)	HAPLN4 (2.9)
0.96	>=0.20	GPN2 (3.2)	POLR1A (2.4)	NOP58 (2.4)
0.96	>=0.20	WDR76 (4.7)	FEN1 (3.4)	DDB2 (3.3)
0.96	>=0.20	IMMT (3.8)	MTCH2 (3.0)	NDUFS3 (2.8)
0.96	>=0.20	WDR76 (5.3)	FEN1 (4.8)	USP1 (4.4)
0.96	>=0.20	C2orf53 (3.9)	TSSK6 (3.7)	NEIL2 (3.6)
0.96	>=0.20	NUP160 (3.1)	FEN1 (3.0)	DHODH (2.9)
0.96	>=0.20	ENSG00000223522 (3	ENSG00000253379 (2	ENSG00000235545 (2
0.96	>=0.20	SUMO1 (2.7)	HDAC5 (2.7)	DHODH (2.6)
0.96	>=0.20	DDB2 (3.9)	ENSG00000223522 (2	ENSG00000182329 (2
0.96	>=0.20	WDR76 (6.7)	FEN1 (6.3)	USP1 (4.6)
0.96	>=0.20	DDB2 (2.9)	SNX17 (2.8)	ARHGAP1 (2.3)
0.96	>=0.20	COBLL1 (3.4)	EMILIN1 (2.8)	PPY (2.4)
0.96	>=0.20	DHODH (4.1)	CTDSPL2 (3.5)	INTS10 (3.5)
0.96	>=0.20	BCL7B (5.2)	INTS10 (3.2)	C11orf49 (3.0)
0.96	>=0.20	C2orf53 (4.5)	TXNL4B (2.6)	ENSG00000179523 (2
0.96	>=0.20	RFX4 (3.6)	TDH (2.6)	DPYSL5 (2.5)
0.96	>=0.20	NDUFS3 (6.0)	MRPL33 (5.7)	MRPL35 (4.8)
0.96	>=0.20	MFAP1 (3.2)	MTMR9 (2.9)	EIF3J (2.8)
0.96	>=0.20	FEN1 (6.6)	WDR76 (6.2)	USP1 (4.9)
0.96	>=0.20	ENSG00000253379 (5	EMILIN1 (2.6)	LRP4 (2.5)
0.96	>=0.20	WDR76 (6.2)	USP1 (4.8)	FEN1 (4.7)
0.96	>=0.20	CATSPER2 (3.4)	ENSG00000256731 (2	CHMP3 (2.6)
0.96	>=0.20	NOP58 (4.5)	ZNF259 (4.2)	TOMM40 (3.5)
0.96	>=0.20	FUT1 (3.7)	DHODH (3.1)	IMMT (3.1)
0.96	>=0.20	TECTB (3.5)	LRP4 (3.2)	FZD9 (3.1)
0.96	>=0.20	ENSG00000236827 (5	ENSG00000236267 (3	ENSG00000182329 (2
0.96	>=0.20	MPV17 (2.3)	CKAP5 (2.2)	C11orf49 (2.1)
0.96	>=0.20	ENSG00000182329 (3	C2orf53 (3.1)	DNAH10 (2.6)
0.96	>=0.20	REEP1 (3.2)	CTSB (2.9)	CLPTM1 (2.6)
0.96	>=0.20	CD300LG (2.9)	AFF1 (2.8)	GMIP (2.8)

0.96	>=0.20	TAGLN (4.8)	SDCBP (3.3)	KANK2 (2.8)
0.96	>=0.20	ENSG00000223745 (2	ENSG00000236267 (2	STRC (2.4)
0.96	>=0.20	ENSG00000256746 (2	ABO (2.5)	SPG11 (2.2)
0.96	>=0.20	DR1 (3.3)	EIF3J (2.6)	PAFAH1B2 (2.4)
0.96	>=0.20	CCDC18 (3.6)	TMEM175 (3.5)	CASC4 (3.2)
0.96	>=0.20	CCDC18 (3.6)	TMEM175 (3.5)	CASC4 (3.1)
0.96	>=0.20	ENSG00000235545 (3	C8orf49 (2.5)	C8orf12 (2.5)
0.96	>=0.20	NEIL2 (3.1)	WDR76 (3.0)	DDB2 (2.5)
0.96	>=0.20	C11orf49 (3.9)	REEP1 (3.1)	CCDC92 (3.1)
0.96	>=0.20	TAGLN (4.7)	ARHGAP1 (3.3)	KANK2 (3.2)
0.96	>=0.20	C11orf9 (3.3)	PPY (2.9)	MAP1A (2.6)
0.96	>=0.20	MRPL35 (3.1)	ZNF259 (3.0)	PTPMT1 (2.9)
0.96	>=0.20	BCL7B (3.5)	MTF2 (3.1)	NUP160 (2.7)
0.96	>=0.20	GMIP (4.6)	GATAD2A (2.5)	CHMP3 (2.1)
0.96	>=0.20	CKAP5 (4.4)	FEN1 (2.9)	CCDC18 (2.8)
0.96	>=0.20	PTPRJ (2.6)	NFE2L3 (2.1)	PBX4 (2.1)
0.96	>=0.20	CCDC18 (3.8)	WDR76 (3.3)	EIF3J (3.3)
0.96	>=0.20	AGBL2 (7.0)	ENSG00000182329 (3	IFT172 (3.4)
0.96	>=0.20	TRIM54 (3.8)	MAP1A (2.6)	SLC30A3 (2.5)
0.96	>=0.20	HDAC5 (2.5)	TRNP1 (2.5)	MADD (2.2)
0.96	>=0.20	MAPRE3 (3.2)	HAPLN4 (2.9)	REEP1 (2.6)
0.96	>=0.20	CAD (4.5)	ATP13A1 (3.4)	TP53BP1 (3.4)
0.96	>=0.20	ENSG00000182329 (3	RIC8B (2.9)	DNAH10 (2.6)
0.96	>=0.20	FUT2 (3.3)	PYY (2.8)	NAT2 (2.7)
0.96	>=0.20	BCL7B (4.9)	IFT172 (2.8)	SUGP1 (2.7)
0.96	>=0.20	TMEM214 (4.7)	TBL2 (3.1)	IFT172 (3.0)
0.96	>=0.20	PLTP (2.0)	MPP2 (2.0)	PMFBP1 (1.8)
0.96	>=0.20	ENSG00000255020 (3	C8orf49 (3.4)	TDH (3.4)
0.96	>=0.20	PPM1G (2.5)	USP1 (2.4)	NUP160 (2.3)
0.96	>=0.20	CYP26A1 (2.4)	DNAH10 (2.2)	LRP4 (2.2)
0.96	>=0.20	NCAN (3.0)	SLC30A3 (2.7)	ENSG00000182319 (2
0.96	>=0.20	TMEM214 (5.2)	TBL2 (4.0)	PREB (3.7)
0.96	>=0.20	TRIM54 (6.7)	MYBPC3 (6.1)	PACSIN3 (4.3)
0.96	>=0.20	SUMO1 (2.7)	FGF21 (2.6)	CASC4 (2.1)
0.96	>=0.20	TMEM214 (4.2)	CLPTM1 (3.7)	NRBP1 (3.4)
0.96	>=0.20	CHMP3 (2.2)	C11orf49 (2.1)	BCL7B (2.1)
0.96	>=0.20	PDIA3 (8.1)	CLPTM1 (2.7)	TMEM214 (2.6)
0.96	>=0.20	PDIA3 (8.1)	CLPTM1 (2.7)	TMEM214 (2.6)
0.96	>=0.20	DUSP3 (3.4)	NRBP1 (3.2)	FNDC4 (3.0)
0.96	>=0.20	MTF2 (2.3)	WDR76 (2.1)	USP1 (2.1)
0.96	>=0.20	MTF2 (4.2)	CTDSPL2 (2.9)	USP1 (2.8)
0.96	>=0.20	RIC8B (3.7)	GPN2 (3.4)	GTF3C2 (3.0)
0.96	>=0.20	PAFAH1B2 (2.8)	MPP2 (2.6)	RIC8B (2.6)
0.96	>=0.20	RSPO3 (2.7)	KLF14 (2.3)	DNAH10 (2.2)
0.96	>=0.20	NCAN (3.7)	C1QTNF4 (3.7)	MPP2 (3.3)
0.96	>=0.20	SUMO1 (3.0)	DR1 (2.9)	MRPL33 (2.7)
0.96	>=0.20	SUMO1 (3.0)	DR1 (2.9)	MRPL33 (2.7)
0.96	>=0.20	NSMAF (2.7)	CAD (2.5)	DHODH (2.4)
0.96	>=0.20	NSMAF (2.7)	CAD (2.5)	DHODH (2.4)
0.96	>=0.20	EIF2B4 (3.2)	ENSG00000255020 (3	ENSG00000200241 (2

0.96	>=0.20	WDR76 (6.8)	FEN1 (6.7)	USP1 (5.1)
0.96	>=0.20	COBLL1 (3.1)	ENSG00000223522 (3	CGREF1 (2.7)
0.96	>=0.20	KHK (2.6)	SLC5A6 (2.4)	SOST (2.3)
0.96	>=0.20	GPN2 (4.3)	NRBF2 (3.5)	ZNF513 (3.3)
0.96	>=0.20	ZNF335 (4.0)	GTF3C2 (3.3)	FNBP4 (2.8)
0.96	>=0.20	DNAH10 (3.6)	ENSG00000235545 (2	TECTB (2.2)
0.96	>=0.20	DNAH10 (3.6)	ENSG00000235545 (2	TECTB (2.2)
0.96	>=0.20	ENSG00000236827 (1	IZUMO1 (1.6)	C17orf105 (1.5)
0.96	>=0.20	CKAP5 (4.7)	FEN1 (3.8)	CCDC18 (3.3)
0.96	>=0.20	TDH (2.3)	ENSG00000223745 (2	PMFBP1 (2.1)
0.96	>=0.20	DPYSL5 (4.1)	ENSG00000255020 (3	MPP2 (3.0)
0.96	>=0.20	TMEM214 (4.9)	ARHGAP1 (3.6)	PREB (3.2)
0.96	>=0.20	ENSG00000255020 (2	RBKS (2.1)	C17orf105 (2.0)
0.96	>=0.20	LINC00208 (3.0)	BLK (2.7)	APOE (2.2)
0.96	>=0.20	CCDC18 (3.6)	TMEM175 (3.4)	CASC4 (3.2)
0.96	>=0.20	ARFGAP2 (3.4)	ATG13 (3.2)	SUGP1 (2.8)
0.96	>=0.20	MAMSTR (4.8)	EMILIN1 (2.6)	GATA4 (2.5)
0.96	>=0.20	EIF2B4 (3.2)	ENSG00000200241 (3	SNX17 (2.6)
0.96	>=0.20	HDAC5 (4.3)	JMJD1C (3.3)	ARID1A (3.2)
0.96	>=0.20	WDR76 (4.2)	FEN1 (3.9)	DDB2 (3.8)
0.96	>=0.20	CCDC18 (5.1)	CKAP5 (5.1)	FEN1 (3.8)
0.96	>=0.20	LINC00208 (3.2)	BLK (2.5)	APOE (2.4)
0.96	>=0.20	MYBPC3 (5.0)	GATA4 (4.0)	FRMD5 (3.3)
0.96	>=0.20	SUPT7L (3.4)	CAD (2.8)	HARBI1 (2.8)
0.96	>=0.20	WDR76 (6.4)	FEN1 (5.5)	USP1 (5.3)
0.96	>=0.20	USP1 (2.3)	BUD13 (2.3)	PPM1G (2.2)
0.96	>=0.20	DHX38 (3.0)	LPAR2 (2.4)	BLK (2.4)
0.96	>=0.20	MAMSTR (3.3)	RFX4 (2.8)	CITED2 (2.5)
0.96	>=0.20	ENSG00000222035 (3	PCSK7 (2.8)	ENSG00000223522 (2
0.96	>=0.20	FGF21 (3.3)	ENSG00000179523 (3	PDIA3 (3.3)
0.96	>=0.20	C1orf172 (2.3)	FUT1 (2.2)	CBLC (2.2)
0.96	>=0.20	RSPO3 (2.9)	ENSG00000253379 (2	SLC30A3 (2.3)
0.96	>=0.20	GMIP (2.8)	PCSK7 (2.7)	ZNF335 (2.0)
0.96	>=0.20	MRPL35 (3.1)	ZNF259 (3.0)	TOMM40 (2.7)
0.96	>=0.20	DUSP3 (2.9)	SUMO1 (2.4)	GTF3C2 (2.3)
0.96	>=0.20	CAD (2.8)	DDB2 (2.7)	FEN1 (2.6)
0.96	>=0.20	TRIM54 (8.6)	PACSIN3 (3.9)	MYBPC3 (2.4)
0.96	>=0.20	COBLL1 (2.4)	EMILIN1 (2.3)	CBLC (2.1)
0.96	>=0.20	WDR76 (4.1)	FEN1 (3.6)	CCDC18 (2.8)
0.96	>=0.20	DDB2 (3.7)	WDR76 (3.2)	FEN1 (2.5)
0.96	>=0.20	PAFAH1B2 (3.0)	SUMO1 (2.8)	CHMP3 (2.3)
0.96	>=0.20	PDIA3 (7.7)	NCAN (2.7)	BCAM (2.4)
0.96	>=0.20	CCDC18 (5.0)	CKAP5 (3.8)	FEN1 (2.4)
0.96	>=0.20	ZNF512 (3.4)	PPIP5K1 (2.9)	ENSG00000179523 (2
0.96	>=0.20	DNAJC5G (2.2)	TRNP1 (2.2)	ENSG00000222035 (2
0.96	>=0.20	NAT2 (4.7)	AGBL2 (3.1)	PYY (2.4)
0.96	>=0.20	ENSG00000236827 (2	NCAN (2.4)	C2orf16 (2.3)
0.96	>=0.20	ENSG00000236827 (2	NCAN (2.4)	C2orf16 (2.3)
0.96	>=0.20	BLK (7.1)	GMIP (2.1)	FAM167A (2.0)
0.96	>=0.20	LSM12 (2.8)	KDM3A (2.7)	HDAC5 (2.7)

0.96	>=0.20	TXNL4B (3.5)	TUBGCP4 (2.9)	MFAP1 (2.3)
0.96	>=0.20	BUD13 (2.7)	BCL7B (2.6)	TP53BP1 (2.6)
0.96	>=0.20	FUT2 (6.4)	CGREF1 (3.4)	PCSK7 (3.0)
0.96	>=0.20	HAVCR1 (3.6)	ENSG00000236827 (3	SOST (2.9)
0.96	>=0.20	ENSG00000222035 (2	ENSG00000255020 (2	C8orf12 (2.2)
0.96	>=0.20	TRIM54 (4.0)	MAP1A (3.3)	PACSIN3 (3.2)
0.96	>=0.20	BUD13 (2.3)	USP1 (2.3)	PPM1G (2.3)
0.96	>=0.20	USP1 (2.3)	BUD13 (2.3)	PPM1G (2.2)
0.96	>=0.20	BCL7B (3.4)	NUP160 (2.9)	MTF2 (2.8)
0.96	>=0.20	TMEM175 (3.1)	NEIL2 (2.5)	AGBL2 (2.4)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	C8orf12 (2.6)
0.96	>=0.20	HAPLN4 (2.8)	C1QTNF4 (2.6)	REEP3 (2.4)
0.96	>=0.20	MYBPC3 (5.3)	FRMD5 (5.2)	DNAJC5G (4.1)
0.96	>=0.20	PIGV (2.9)	ACP2 (2.4)	ENSG00000256746 (2
0.96	>=0.20	ENSG00000182319 (2	NCAN (2.3)	TMEM175 (1.8)
0.96	>=0.20	CKAP5 (3.1)	CHMP3 (3.0)	BCL7B (3.0)
0.97	>=0.20	MAPRE3 (2.7)	C1QTNF4 (2.7)	SLC30A3 (2.5)
0.97	>=0.20	GPN2 (4.3)	NRBF2 (3.4)	KBTBD4 (3.4)
0.97	>=0.20	AFF1 (3.1)	DR1 (2.6)	KANK2 (2.2)
0.97	>=0.20	ENSG00000235545 (2	NUP160 (2.2)	DOCK7 (2.2)
0.97	>=0.20	MPP3 (3.5)	HAPLN4 (2.3)	TRNP1 (2.0)
0.97	>=0.20	NUP160 (2.4)	INTS10 (2.3)	IMMT (2.3)
0.97	>=0.20	LRP4 (3.3)	CITED2 (2.7)	PACSIN3 (2.6)
0.97	>=0.20	MADD (2.9)	SNX17 (2.7)	ARHGAP1 (2.5)
0.97	>=0.20	NCAN (3.1)	CCDC92 (2.7)	DPYSL5 (2.6)
0.97	>=0.20	ARFGAP2 (3.8)	KBTBD4 (3.8)	ATG13 (3.4)
0.97	>=0.20	ZDHHC18 (2.4)	NSMAF (2.3)	PBX4 (2.2)
0.97	>=0.20	NSMAF (3.1)	ZNF664 (2.7)	PCSK7 (2.6)
0.97	>=0.20	USP1 (2.2)	SUMO1 (2.1)	FEN1 (1.8)
0.97	>=0.20	BUD13 (2.3)	SUMO1 (2.3)	USP1 (2.0)
0.97	>=0.20	DHX38 (2.8)	CKAP5 (2.6)	USP1 (2.6)
0.97	>=0.20	HAVCR1 (4.1)	SOST (3.0)	ENSG00000236827 (2
0.97	>=0.20	MAPRE3 (3.5)	C1QTNF4 (3.3)	MPP2 (3.2)
0.97	>=0.20	SDCBP (3.3)	TIMD4 (2.5)	NSMAF (2.0)
0.97	>=0.20	CAD (4.6)	PTCD3 (3.5)	DHODH (3.1)
0.97	>=0.20	CHMP3 (4.0)	MAPRE3 (2.3)	ARFGAP2 (2.3)
0.97	>=0.20	MTCH2 (4.2)	EIF3J (3.8)	SUMO1 (2.9)
0.97	>=0.20	MPP2 (3.0)	C1QTNF4 (2.9)	SLC30A3 (2.9)
0.97	>=0.20	GATAD2A (3.2)	PCIF1 (3.2)	JMJD1C (2.5)
0.97	>=0.20	DNAJC5G (3.0)	SLC22A3 (2.7)	CTSB (2.7)
0.97	>=0.20	REEP1 (3.9)	MAMSTR (3.1)	MAP1A (2.8)
0.97	>=0.20	CHMP3 (2.8)	PCSK7 (2.8)	SDCBP (2.8)
0.97	>=0.20	C2orf53 (3.2)	SLC22A3 (2.9)	UCN (2.6)
0.97	>=0.20	CKAP5 (4.9)	FEN1 (3.4)	CCDC18 (3.3)
0.97	>=0.20	DOCK7 (3.2)	MTF2 (3.1)	NSMAF (2.6)

0.97	>=0.20	DOCK7 (3.2)	MTF2 (3.1)	NSMAF (2.6)
0.97	>=0.20	PBX4 (3.7)	C8orf12 (2.6)	PCSK7 (2.3)
0.97	>=0.20	MAMSTR (3.6)	FGF21 (3.2)	PMFBP1 (2.0)
0.97	>=0.20	SLC30A3 (3.7)	ENSG00000236827 (2	RIC8B (2.4)
0.97	>=0.20	LRP4 (3.7)	UCN (2.2)	C11orf9 (2.1)
0.97	>=0.20	MPV17 (4.0)	DOCK7 (2.7)	TMEM175 (2.3)
0.97	>=0.20	PDIA3 (4.3)	TMED5 (2.9)	TMEM214 (2.6)
0.97	>=0.20	DNAJC5G (3.6)	CCDC18 (3.1)	CATSPER2 (2.7)
0.97	>=0.20	APOC1 (2.4)	BLK (2.3)	PCSK7 (2.1)
0.97	>=0.20	HDAC5 (2.0)	CHMP3 (2.0)	SUGP1 (1.7)
0.97	>=0.20	NEIL2 (3.3)	C8orf49 (3.2)	ABO (2.3)
0.97	>=0.20	GPN2 (3.6)	TXNL4B (3.2)	ZNF513 (2.7)
0.97	>=0.20	NDUFS3 (6.1)	MRPL33 (4.5)	MRPL35 (4.1)
0.97	>=0.20	USP1 (4.1)	WDR76 (4.1)	FEN1 (4.0)
0.97	>=0.20	PIGV (3.1)	NRBF2 (2.8)	ATG13 (2.8)
0.97	>=0.20	CCDC121 (2.9)	C8orf12 (2.5)	C17orf105 (2.4)
0.97	>=0.20	WDR76 (6.5)	FEN1 (6.0)	USP1 (5.3)
0.97	>=0.20	MRPL33 (5.9)	NDUFS3 (5.9)	MRPL35 (4.8)
0.97	>=0.20	PYY (4.4)	PPY (3.5)	REEP1 (3.0)
0.97	>=0.20	TAGLN (5.0)	ARHGAP1 (3.1)	KANK2 (3.1)
0.97	>=0.20	ZDHHC18 (3.8)	LRP4 (2.4)	NRBP1 (2.3)
0.97	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	MTCH2 (2.6)
0.97	>=0.20	ENSG00000255020 (3	EIF2B4 (2.7)	MTCH2 (2.6)
0.97	>=0.20	FEN1 (6.2)	WDR76 (6.0)	USP1 (5.0)
0.97	>=0.20	MRPL35 (3.7)	AGBL5 (2.4)	ZNF335 (2.3)
0.97	>=0.20	FDFT1 (3.4)	BCL7B (2.8)	TRNP1 (2.3)
0.97	>=0.20	REEP3 (3.2)	PIGV (2.8)	SIDT2 (2.5)
0.97	>=0.20	LINC00208 (4.4)	DDB2 (1.7)	BRE (1.6)
0.97	>=0.20	DDB2 (4.3)	GATAD2A (2.9)	PAFAH1B2 (2.6)
0.97	>=0.20	FUT2 (4.8)	FZD9 (2.7)	PIGV (2.7)
0.97	>=0.20	PPIP5K1 (3.2)	KLF14 (2.7)	MFAP1 (2.7)
0.97	>=0.20	IMMT (3.6)	MTCH2 (2.9)	NDUFS3 (2.7)
0.97	>=0.20	REEP1 (2.2)	PMFBP1 (2.2)	C1QTNF4 (2.0)
0.97	>=0.20	HARBI1 (2.7)	ENSG00000256746 (2	TDH (2.1)
0.97	>=0.20	CCDC121 (4.1)	ENSG00000223522 (3	SOST (3.1)
0.97	>=0.20	EIF3J (3.2)	SNX17 (2.8)	GPN1 (2.7)
0.97	>=0.20	PPY (6.0)	TMEM214 (5.2)	PYY (3.7)
0.97	>=0.20	MAPRE3 (4.0)	MPP3 (3.4)	NCAN (3.3)
0.97	>=0.20	CCDC18 (2.8)	ZNF512 (2.5)	CKAP5 (2.5)
0.97	>=0.20	HAVCR1 (2.6)	ENSG00000222035 (2	ATG4C (2.3)
0.97	>=0.20	TECTB (3.2)	RASIP1 (2.4)	PMFBP1 (2.1)
0.97	>=0.20	C17orf105 (4.3)	KBTBD4 (4.0)	HARBI1 (3.2)
0.97	>=0.20	GMIP (3.5)	CELF1 (3.3)	SNX17 (3.0)
0.97	>=0.20	FUT2 (2.9)	OST4 (2.8)	MRPL33 (2.3)
0.97	>=0.20	MAPRE3 (2.8)	CELF1 (2.6)	BMPR2 (2.5)
0.97	>=0.20	GPN2 (4.3)	ZNF513 (4.2)	NRBF2 (3.7)
0.97	>=0.20	FEN1 (5.5)	USP1 (4.7)	WDR76 (4.1)
0.97	>=0.20	BMPR2 (3.2)	KRTCAP3 (2.6)	REEP3 (2.5)
0.97	>=0.20	FEN1 (6.6)	WDR76 (6.3)	USP1 (4.9)
0.97	>=0.20	SFN (5.2)	C17orf105 (3.2)	SDC1 (2.6)

0.97 >=0.20	DUSP3 (2.9)	KDM3A (2.7)	C1orf172 (2.4)
0.97 >=0.20	BUD13 (2.5)	USP1 (2.3)	PPM1G (2.2)
0.97 >=0.20	ZNF259 (3.2)	SPG11 (3.2)	C11orf49 (3.2)
0.97 >=0.20	PDIA3 (6.8)	CLPTM1 (3.9)	TMEM214 (3.5)
0.97 >=0.20	GPN1 (3.2)	INTS10 (3.1)	PPIP5K1 (3.1)
0.97 >=0.20	NFE2L3 (3.1)	PTCD3 (2.8)	CAD (2.7)
0.97 >=0.20	NCAN (5.3)	C11orf9 (4.8)	APOE (3.6)
0.97 >=0.20	CKAP5 (4.0)	TP53BP1 (3.6)	C11orf49 (2.4)
0.97 >=0.20	TBL2 (3.2)	SLC5A6 (2.5)	KRTCAP3 (2.5)
0.97 >=0.20	TXNL4B (3.7)	GPN2 (3.2)	DHODH (2.9)
0.97 >=0.20	TXNL4B (3.7)	GPN2 (3.2)	DHODH (2.9)
0.97 >=0.20	BLK (2.5)	RASIP1 (1.7)	IGF2R (1.7)
0.97 >=0.20	LINC00208 (3.5)	PREB (2.7)	C8orf12 (2.6)
0.97 >=0.20	TRIM54 (8.8)	MYBPC3 (5.8)	PACSIN3 (4.5)
0.97 >=0.20	PYY (3.2)	RFX4 (2.9)	NCAN (2.6)
0.97 >=0.20	ENSG00000235545 (2	C2orf16 (2.2)	FUT1 (2.1)
0.97 >=0.20	ENSG00000226645 (3	ATG4C (2.8)	DR1 (2.6)
0.97 >=0.20	ENSG00000235545 (2	MAU2 (2.5)	PIGV (2.1)
0.97 >=0.20	USP1 (4.5)	FEN1 (4.5)	WDR76 (4.3)
0.97 >=0.20	EIF2B4 (3.2)	ENSG00000200241 (2	SNX17 (2.4)
0.97 >=0.20	EIF2B4 (3.2)	ENSG00000200241 (2	SNX17 (2.4)
0.97 >=0.20	MAP1A (4.0)	ENSG00000236827 (2	TRNP1 (2.3)
0.97 >=0.20	ENSG00000234945 (3	SOST (2.7)	C1orf172 (2.3)
0.97 >=0.20	PBX4 (2.8)	PCSK7 (2.1)	ENSG00000256746 (2
0.97 >=0.20	ZNF513 (2.6)	MTMR9 (2.6)	RIC8B (2.1)
0.97 >=0.20	TP53BP1 (3.2)	KDM3A (2.8)	PAFAH1B2 (2.5)
0.97 >=0.20	TSSK6 (3.4)	HAVCR1 (3.0)	KRTCAP3 (2.8)
0.97 >=0.20	C11orf49 (5.1)	IFT172 (4.5)	AGBL5 (3.2)
0.97 >=0.20	TRIM54 (5.0)	TAGLN (4.5)	DUSP3 (3.1)
0.97 >=0.20	SUMO1 (3.8)	PAFAH1B2 (3.0)	MTF2 (2.6)
0.97 >=0.20	ENSG00000223522 (2	ENSG00000255020 (2	ZDHHC18 (1.9)
0.97 >=0.20	ENSG00000255020 (3	EIF2B4 (2.6)	NFE2L3 (2.5)
0.97 >=0.20	INTS10 (3.3)	WDR76 (2.9)	TUBGCP4 (2.3)
0.97 >=0.20	KANK2 (3.5)	EMILIN1 (3.5)	C8orf49 (2.7)
0.97 >=0.20	C11orf9 (2.9)	EPB41L3 (2.5)	C1QTNF4 (2.4)
0.97 >=0.20	C11orf49 (3.4)	TP53BP1 (3.3)	IFT172 (3.1)
0.97 >=0.20	PCIF1 (3.8)	CCDC92 (3.1)	BCL7B (2.8)
0.97 >=0.20	TMEM175 (2.4)	C1QTNF4 (2.3)	FAM167A (2.3)
0.97 >=0.20	DR1 (3.6)	ARFGAP2 (3.1)	SUMO1 (3.1)
0.97 >=0.20	C8orf49 (3.2)	EMILIN1 (3.1)	RSPO3 (2.9)
0.97 >=0.20	LINC00208 (3.2)	PBX4 (2.3)	NFE2L3 (2.3)
0.97 >=0.20	MAMSTR (4.7)	PACSIN3 (4.6)	TRIM54 (4.3)
0.97 >=0.20	MPP3 (3.2)	JMJD1C (2.1)	MAPRE3 (2.0)
0.97 >=0.20	ENSG00000256731 (4	STRC (3.2)	SLC22A3 (2.6)
0.97 >=0.20	CATSPER2 (3.2)	ENSG00000256731 (2	CHMP3 (2.7)
0.97 >=0.20	TRIM54 (7.9)	TAGLN (5.8)	PACSIN3 (3.7)
0.97 >=0.20	MPP2 (3.0)	C8orf12 (2.9)	PTPRJ (2.8)
0.97 >=0.20	MPP2 (3.0)	C8orf12 (2.9)	PTPRJ (2.8)
0.97 >=0.20	BCL7B (4.7)	PCIF1 (3.2)	KBTBD4 (3.0)
0.97 >=0.20	DDB2 (3.5)	WDR76 (3.3)	FEN1 (3.3)

0.97	>=0.20	KBTBD4 (3.7)	TXNL4B (3.3)	DHODH (3.2)
0.97	>=0.20	KBTBD4 (3.7)	TXNL4B (3.3)	DHODH (3.2)
0.97	>=0.20	DPYSL5 (3.7)	RFX4 (2.9)	ENSG00000236827 (2
0.97	>=0.20	CKAP5 (3.8)	FEN1 (3.1)	PTCD3 (2.0)
0.97	>=0.20	MADD (2.7)	TRIM54 (2.2)	STRC (2.2)
0.97	>=0.20	RFX4 (4.0)	LINC00208 (2.2)	HAVCR1 (2.0)
0.97	>=0.20	ENSG00000255020 (3	ENSG00000200241 (2	MTCH2 (2.5)
0.97	>=0.20	ENSG00000236827 (2	SPG11 (2.0)	CASC4 (1.9)
0.97	>=0.20	OST4 (4.9)	MRPL33 (4.2)	NDUFS3 (3.4)
0.97	>=0.20	TRNP1 (3.8)	TECTB (3.1)	ENSG00000236827 (2
0.97	>=0.20	MAU2 (2.7)	ATG13 (2.4)	HARBI1 (2.3)
0.97	>=0.20	SDCBP (3.5)	MPV17 (3.2)	DUSP3 (3.0)
0.97	>=0.20	MAP1A (2.9)	MAPK10 (2.6)	UBXN2B (2.5)
0.97	>=0.20	FUT1 (4.7)	FGF21 (4.5)	EIF2B4 (3.5)
0.97	>=0.20	DPYSL5 (3.6)	ENSG00000179523 (3	RFX4 (2.8)
0.97	>=0.20	MAPRE3 (2.7)	MAP1A (2.4)	CTSB (2.3)
0.97	>=0.20	MAPRE3 (2.7)	MAP1A (2.4)	CTSB (2.3)
0.97	>=0.20	SLC30A3 (3.1)	CELF1 (2.5)	ENSG00000223745 (2
0.97	>=0.20	ABO (3.9)	MPP3 (3.1)	MAMSTR (2.5)
0.97	>=0.20	DNAH10 (3.1)	NEIL2 (2.9)	DNAJC5G (2.8)
0.97	>=0.20	RFX4 (3.1)	LINC00208 (2.0)	CELF1 (1.9)
0.97	>=0.20	C1orf172 (3.0)	GATA4 (2.9)	SFN (2.9)
0.97	>=0.20	PTPN13 (2.7)	EPB41L3 (2.0)	BMPR2 (1.9)
0.97	>=0.20	FEN1 (5.2)	USP1 (5.2)	WDR76 (4.9)
0.97	>=0.20	DUSP3 (3.9)	LPAR2 (2.4)	ZNF664 (2.4)
0.97	>=0.20	TAGLN (2.7)	TXNL4B (2.6)	SUMO1 (2.5)
0.97	>=0.20	C1QTNF4 (3.4)	RFX4 (3.3)	ENSG00000236827 (2
0.97	>=0.20	MAMSTR (4.3)	ABO (3.4)	ENSG00000234945 (3
0.97	>=0.20	INTS10 (3.5)	CTDSPL2 (2.8)	WDR76 (2.6)
0.97	>=0.20	CKAP5 (4.9)	CCDC18 (4.7)	FEN1 (4.2)
0.97	>=0.20	CCDC18 (4.3)	CKAP5 (3.6)	FEN1 (3.4)
0.97	>=0.20	CCDC18 (4.3)	CKAP5 (3.6)	FEN1 (3.4)
0.97	>=0.20	MYBPC3 (6.0)	FRMD5 (5.0)	C8orf49 (4.1)
0.97	>=0.20	CCDC18 (5.0)	UBXN2B (4.1)	ATG4C (2.8)
0.97	>=0.20	TSSK6 (5.7)	C17orf105 (5.6)	C2orf53 (5.2)
0.97	>=0.20	USP1 (2.5)	PPM1G (2.4)	BUD13 (2.3)
0.97	>=0.20	CD300LG (3.1)	MPP2 (2.9)	PTPRJ (2.6)
0.97	>=0.20	DPYSL5 (4.2)	MAP1A (4.0)	MPP2 (3.1)
0.97	>=0.20	REEP1 (2.6)	RASIP1 (2.4)	MPP2 (2.3)
0.97	>=0.20	GPN1 (3.2)	CCDC121 (2.8)	AGBL2 (2.0)
0.97	>=0.20	C11orf49 (6.6)	TP53BP1 (4.5)	IFT172 (4.3)
0.97	>=0.20	UCN (3.1)	ABCA1 (2.3)	TRNP1 (2.3)
0.97	>=0.20	TRNP1 (4.1)	PCSK7 (2.8)	SUMO1 (2.6)
0.97	>=0.20	TAGLN (5.0)	TRIM54 (4.2)	ARHGAP1 (2.7)
0.97	>=0.20	CATSPER2 (2.3)	LINC00208 (2.1)	ZNF408 (2.1)
0.97	>=0.20	PTPRJ (2.8)	NCAN (2.7)	ABO (2.3)
0.97	>=0.20	NDUFS3 (6.2)	MRPL33 (5.3)	OST4 (4.2)
0.97	>=0.20	CKAP5 (4.1)	FEN1 (3.0)	CCDC18 (2.8)
0.97	>=0.20	PTPRJ (3.0)	CELF1 (2.7)	MAPRE3 (2.7)
0.97	>=0.20	ENSG00000179523 (3	ZNF512 (2.9)	POLR1A (2.6)

0.97	>=0.20	PTPMT1 (2.3)	ABO (2.2)	TMEM101 (2.1)
0.97	>=0.20	FEN1 (3.3)	WDR76 (2.8)	CAD (2.7)
0.97	>=0.20	TMEM214 (4.8)	PREB (4.4)	ATG13 (3.5)
0.97	>=0.20	SLC5A6 (2.5)	PCSK7 (2.4)	KHK (2.2)
0.97	>=0.20	SLC30A3 (3.8)	RFX4 (3.0)	CASC4 (2.7)
0.97	>=0.20	ENSG00000223522 (3	ENSG00000253379 (3	ENSG00000235545 (2
0.97	>=0.20	GPN2 (4.4)	NRBF2 (3.4)	TXNL4B (3.1)
0.97	>=0.20	MPP2 (3.4)	NCAN (3.2)	HAPLN4 (3.1)
0.97	>=0.20	GPN1 (3.3)	CCDC121 (2.9)	AGBL2 (2.1)
0.97	>=0.20	MRPL33 (6.6)	NDUFS3 (4.9)	OST4 (3.6)
0.97	>=0.20	MRPL33 (6.6)	NDUFS3 (4.9)	OST4 (3.6)
0.97	>=0.20	MRPL33 (6.6)	NDUFS3 (4.9)	OST4 (3.6)
0.97	>=0.20	STRC (3.6)	ENSG00000255020 (2	FUT2 (2.7)
0.97	>=0.20	CKAP5 (3.7)	FEN1 (3.3)	CCDC18 (2.6)
0.97	>=0.20	EIF3J (3.3)	GPN1 (2.9)	ARFGAP2 (2.8)
0.97	>=0.20	LINC00208 (2.5)	ENSG00000234945 (2	NFE2L3 (1.8)
0.97	>=0.20	SUPT7L (3.9)	C2orf28 (3.0)	MFAP1 (2.7)
0.97	>=0.20	TRIM54 (3.5)	STRC (3.3)	REEP1 (2.7)
0.97	>=0.20	LINC00208 (3.3)	C2orf16 (3.3)	SIK3 (2.0)
0.98	>=0.20	ENSG00000236827 (3	C17orf105 (2.6)	ENSG00000235545 (2
0.98	>=0.20	NCAN (4.9)	SLC30A3 (3.5)	C1QTNF4 (2.9)
0.98	>=0.20	C2orf16 (3.4)	LINC00208 (3.1)	HAVCR1 (2.1)
0.98	>=0.20	CKAP5 (3.3)	MTMR9 (2.5)	FEN1 (2.5)
0.98	>=0.20	USP1 (3.9)	CKAP5 (3.5)	FEN1 (3.4)
0.98	>=0.20	ENSG00000235545 (2	CTSB (2.4)	NRBP1 (2.3)
0.98	>=0.20	TRIM54 (4.0)	ARHGAP1 (3.0)	REEP1 (2.6)
0.98	>=0.20	ENSG00000234945 (3	ENSG00000200241 (2	PIGV (2.1)
0.98	>=0.20	TAGLN (2.9)	ARHGAP1 (2.9)	IMMT (2.7)
0.98	>=0.20	UCN (2.9)	DPYSL5 (2.4)	ENSG00000236267 (2
0.98	>=0.20	NCAN (4.0)	DPYSL5 (4.0)	RFX4 (3.9)
0.98	>=0.20	C17orf105 (4.1)	TSSK6 (4.1)	C2orf53 (3.3)
0.98	>=0.20	CAD (3.5)	CSGALNACT1 (2.8)	NUP160 (2.8)
0.98	>=0.20	HAVCR1 (3.6)	MAP1A (3.4)	IMMT (3.0)
0.98	>=0.20	COBLL1 (2.9)	PBX4 (2.8)	ENSG00000234945 (2
0.98	>=0.20	USP1 (3.7)	JMJD1C (3.4)	HDAC5 (2.8)
0.98	>=0.20	FUT2 (2.7)	ENSG00000222035 (2	PMFBP1 (2.6)
0.98	>=0.20	MTF2 (3.5)	DR1 (3.3)	SUMO1 (2.3)
0.98	>=0.20	OST4 (3.4)	CMIP (2.0)	NOP58 (1.7)
0.98	>=0.20	ACP2 (3.4)	LINC00208 (3.3)	PDIA3 (3.2)
0.98	>=0.20	CSGALNACT1 (3.6)	C1QTNF4 (2.7)	SNX17 (2.6)
0.98	>=0.20	CYP26A1 (3.0)	DPYSL5 (2.8)	LRP4 (2.7)
0.98	>=0.20	DR1 (2.5)	PBX4 (2.5)	LPAR2 (2.3)
0.98	>=0.20	ENSG00000255020 (3	NFE2L3 (2.6)	MTCH2 (2.5)
0.98	>=0.20	MTMR9 (2.5)	SUMO1 (2.5)	DR1 (2.4)
0.98	>=0.20	SUPT7L (3.4)	GPN1 (3.0)	MPV17 (3.0)
0.98	>=0.20	EIF2B4 (3.1)	SNX17 (2.7)	NFE2L3 (2.4)
0.98	>=0.20	C11orf9 (3.5)	REEP3 (3.3)	PIGV (3.2)
0.98	>=0.20	C17orf105 (7.0)	TSSK6 (6.4)	C2orf53 (4.5)
0.98	>=0.20	PBX4 (3.4)	MAPK10 (3.1)	LPAR2 (2.7)
0.98	>=0.20	MTMR9 (3.3)	ZDHHC18 (2.8)	UBXN2B (2.1)

0.98	>=0.20	SLC30A3 (3.9)	C1QTNF4 (2.2)	MPP2 (2.2)
0.98	>=0.20	CKAP5 (5.2)	FEN1 (4.9)	USP1 (3.9)
0.98	>=0.20	MPP2 (3.2)	MADD (3.2)	LSM12 (2.9)
0.98	>=0.20	DOCK6 (2.6)	MADD (2.5)	GMIP (2.3)
0.98	>=0.20	CCDC18 (3.9)	CKAP5 (3.0)	AGBL5 (2.9)
0.98	>=0.20	TP53BP1 (3.2)	JMJD1C (2.8)	PAFAH1B2 (2.8)
0.98	>=0.20	KLF14 (2.4)	CMIP (2.0)	CATSPER2 (1.9)
0.98	>=0.20	NUP160 (2.7)	SUMO1 (2.7)	MTF2 (2.4)
0.98	>=0.20	FNBP4 (3.0)	ZNF512 (3.0)	MFAP1 (2.9)
0.98	>=0.20	BCL7B (2.9)	LSM12 (2.8)	BUD13 (2.7)
0.98	>=0.20	C8orf49 (2.2)	FZD9 (2.0)	CCDC18 (1.9)
0.98	>=0.20	SDCBP (4.5)	TXNL4B (2.8)	CTSB (2.6)
0.98	>=0.20	SDCBP (2.5)	ARHGAP1 (2.3)	TRNP1 (2.2)
0.98	>=0.20	ATG13 (3.9)	ARFGAP2 (2.9)	EIF3J (2.5)
0.98	>=0.20	MPP2 (2.6)	ABO (2.2)	ENSG00000255020 (2
0.98	>=0.20	MAP1A (3.5)	HAVCR1 (3.2)	KDM3A (3.1)
0.98	>=0.20	KLF14 (2.6)	FAM167A (2.5)	SLC5A6 (2.2)
0.98	>=0.20	BUD13 (2.4)	SUGP1 (2.4)	BCL7B (1.8)
0.98	>=0.20	DDB2 (4.2)	ENSG00000223522 (2	MAU2 (2.4)
0.98	>=0.20	PPM1G (3.0)	NSMAF (2.7)	TUBGCP4 (2.7)
0.98	>=0.20	FEN1 (6.4)	WDR76 (5.7)	USP1 (5.3)
0.98	>=0.20	PCIF1 (2.8)	PAFAH1B2 (2.7)	MAU2 (2.5)
0.98	>=0.20	MPP3 (3.2)	DUSP3 (3.2)	ARHGAP1 (2.7)
0.98	>=0.20	CCDC18 (3.4)	TMEM175 (2.9)	CASC4 (2.6)
0.98	>=0.20	CCDC18 (3.4)	TMEM175 (2.9)	CASC4 (2.6)
0.98	>=0.20	ENSG00000256746 (2	ENSG00000222035 (2	PCSK7 (2.1)
0.98	>=0.20	AGBL2 (5.4)	C17orf105 (4.0)	TSSK6 (3.1)
0.98	>=0.20	AGBL2 (5.4)	C17orf105 (4.0)	TSSK6 (3.1)
0.98	>=0.20	TRIM54 (8.1)	PACSIN3 (4.1)	MAMSTR (3.3)
0.98	>=0.20	LRP4 (3.5)	FZD9 (2.5)	ENSG00000257711 (2
0.98	>=0.20	MPP2 (3.0)	C1QTNF4 (2.9)	SLC30A3 (2.9)
0.98	>=0.20	MYBPC3 (4.2)	TRIM54 (3.0)	ARHGAP1 (2.8)
0.98	>=0.20	EMILIN1 (4.2)	TAGLN (3.4)	RFX4 (2.6)
0.98	>=0.20	ENSG00000257711 (3	SLC30A3 (3.5)	FRMD5 (3.3)
0.98	>=0.20	ZNF408 (4.1)	AFF1 (3.0)	FGF21 (2.6)
0.98	>=0.20	WDR76 (6.6)	FEN1 (6.2)	USP1 (5.1)
0.98	>=0.20	WDR76 (3.6)	NUP160 (2.8)	DHODH (2.7)
0.98	>=0.20	PTPMT1 (3.2)	ZNF259 (3.0)	TOMM40 (2.7)
0.98	>=0.20	MAP1A (3.7)	HAPLN4 (2.5)	HAVCR1 (2.5)
0.98	>=0.20	DNAH10 (4.1)	MPP3 (2.9)	DNAJC5G (2.8)
0.98	>=0.20	DNAH10 (4.1)	MPP3 (2.9)	DNAJC5G (2.8)
0.98	>=0.20	DNAH10 (4.1)	MPP3 (2.9)	DNAJC5G (2.8)
0.98	>=0.20	TRIM54 (4.4)	C1QTNF4 (2.6)	MAMSTR (2.4)
0.98	>=0.20	PDIA3 (8.0)	TBL2 (3.5)	CATSPER2 (2.6)
0.98	>=0.20	OST4 (3.2)	C17orf105 (2.7)	ENSG00000223522 (2
0.98	>=0.20	SLC30A3 (3.9)	MAP1A (3.8)	MPP2 (3.7)
0.98	>=0.20	ENSG00000223522 (4	TDH (3.9)	C8orf12 (3.6)
0.98	>=0.20	POLR1A (2.1)	INTS10 (2.1)	NUP160 (2.0)
0.98	>=0.20	AGBL2 (6.3)	C11orf49 (4.7)	IFT172 (4.0)
0.98	>=0.20	NDUFS3 (2.7)	IMMT (2.6)	NR1H3 (2.3)

0.98	>=0.20	FUT2 (3.1)	OST4 (2.9)	PPIP5K1 (2.7)
0.98	>=0.20	MAPK10 (3.6)	MAPRE3 (3.1)	MPP3 (2.6)
0.98	>=0.20	MAPK10 (3.6)	MAPRE3 (3.1)	MPP3 (2.6)
0.98	>=0.20	MAP1A (3.6)	MPP2 (2.8)	NCAN (2.6)
0.98	>=0.20	MRPL35 (3.2)	ZNF259 (3.0)	PTPMT1 (2.6)
0.98	>=0.20	GMIP (2.7)	ZNF335 (2.6)	MAPK10 (2.5)
0.98	>=0.20	KLF14 (2.5)	MADD (2.4)	PYY (2.0)
0.98	>=0.20	ENSG00000200241 (3	C2orf16 (3.0)	DDB2 (2.7)
0.98	>=0.20	REEP3 (4.1)	PAFAH1B2 (3.5)	GATAD2A (2.8)
0.98	>=0.20	DDB2 (4.2)	WDR76 (2.5)	SUGP1 (2.3)
0.98	>=0.20	KRTCAP3 (3.4)	C2orf28 (2.5)	TBL2 (2.4)
0.98	>=0.20	DDB2 (4.8)	ATG4C (3.0)	ZNF512 (2.8)
0.98	>=0.20	WDR76 (6.5)	USP1 (5.3)	FEN1 (5.2)
0.98	>=0.20	PDIA3 (3.7)	PREB (3.3)	TBL2 (3.2)
0.98	>=0.20	GMIP (2.7)	CD300LG (2.7)	C11orf9 (2.1)
0.98	>=0.20	CKAP5 (3.1)	FEN1 (2.6)	FNBP4 (2.4)
0.98	>=0.20	SUMO1 (3.4)	TOMM40 (3.1)	MRPL35 (3.0)
0.98	>=0.20	FNDC4 (3.2)	NCAN (3.1)	MPP2 (2.6)
0.98	>=0.20	REEP3 (3.0)	ENSG00000179523 (2	FADS2 (2.9)
0.98	>=0.20	CCDC18 (2.8)	PAFAH1B2 (2.5)	SUMO1 (2.3)
0.98	>=0.20	CCDC18 (5.5)	CKAP5 (5.1)	USP1 (3.5)
0.98	>=0.20	C17orf105 (7.0)	TSSK6 (6.3)	C2orf53 (4.3)
0.98	>=0.20	ENSG00000255020 (3	ENSG00000200241 (2	NFE2L3 (2.5)
0.98	>=0.20	TMEM214 (4.8)	PREB (3.7)	ATG13 (3.2)
0.98	>=0.20	GPN2 (3.5)	CELF1 (3.1)	NRBF2 (3.0)
0.98	>=0.20	ENSG00000256731 (3	STRC (3.3)	FUT1 (2.3)
0.98	>=0.20	LSM12 (3.5)	NRBP1 (2.9)	PTCD3 (2.9)
0.98	>=0.20	MAP1A (3.2)	DPYSL5 (2.8)	NCAN (2.7)
0.98	>=0.20	MAU2 (2.5)	BUD13 (2.4)	ARID1A (2.2)
0.98	>=0.20	C8orf49 (4.5)	ARID1A (2.4)	FZD9 (2.3)
0.98	>=0.20	OST4 (5.1)	ENSG00000223522 (3	UBXN2B (2.5)
0.98	>=0.20	ENSG00000200241 (2	FUT1 (2.8)	CGREF1 (2.8)
0.98	>=0.20	CCDC18 (2.7)	USP1 (2.6)	DNAJC5G (2.3)
0.98	>=0.20	TRNP1 (3.7)	CHMP3 (3.1)	TECTB (3.1)
0.98	>=0.20	EMILIN1 (3.0)	FUT2 (2.4)	REEP3 (2.2)
0.98	>=0.20	HAVCR1 (4.5)	ENSG00000179523 (3	FZD9 (2.7)
0.98	>=0.20	TRNP1 (3.8)	MAPRE3 (2.7)	KLF14 (2.6)
0.98	>=0.20	ENSG00000222035 (2	DNAJC5G (2.6)	ENSG00000182319 (2
0.98	>=0.20	CELF1 (4.4)	DR1 (3.2)	BUD13 (2.9)
0.98	>=0.20	ENSG00000236827 (2	C11orf49 (2.3)	LPAR2 (2.3)
0.98	>=0.20	FUT2 (3.4)	ARHGAP1 (2.7)	C11orf9 (2.5)
0.98	>=0.20	IZUMO1 (2.9)	NEIL2 (2.8)	SIDT2 (2.1)
0.98	>=0.20	ENSG00000182329 (2	RFX4 (2.1)	CCDC121 (1.9)
0.98	>=0.20	LINC00208 (2.6)	IZUMO1 (2.4)	LPAL2 (2.3)
0.98	>=0.20	NCAN (3.2)	MPP2 (3.1)	SLC30A3 (3.1)
0.98	>=0.20	FUT2 (4.1)	CGREF1 (3.7)	PCSK7 (3.4)
0.98	>=0.20	ATG4C (2.8)	ENSG00000226645 (2	HDAC5 (2.6)
0.98	>=0.20	LINC00208 (2.3)	ENSG00000223522 (2	SIK3 (2.0)
0.98	>=0.20	OST4 (3.4)	ENSG00000223522 (2	C17orf105 (2.7)
0.98	>=0.20	BCL7B (3.6)	SUMO1 (2.3)	CITED2 (2.2)

0.98	>=0.20	BRE (2.3)	SUPT7L (2.3)	ENSG00000256746 (2
0.98	>=0.20	BRE (2.3)	SUPT7L (2.3)	ENSG00000256746 (2
0.98	>=0.20	ENSG00000182319 (2	TRNP1 (2.0)	NEIL2 (1.9)
0.98	>=0.20	DR1 (3.6)	NRBP1 (3.2)	RIC8B (3.0)
0.98	>=0.20	ATG4C (3.0)	HARBI1 (2.5)	ENSG00000256731 (2
0.98	>=0.20	PTPN13 (3.0)	CASC4 (2.6)	CCDC92 (2.5)
0.98	>=0.20	CILP2 (4.8)	FZD9 (4.3)	CSGALNACT1 (2.7)
0.98	>=0.20	TAGLN (4.8)	REEP1 (3.8)	ARHGAP1 (3.4)
0.98	>=0.20	TDH (2.6)	FRMD5 (2.2)	JMJD1C (2.1)
0.98	>=0.20	SLC30A3 (3.3)	C11orf9 (2.7)	MAPRE3 (2.2)
0.98	>=0.20	KDM3A (2.8)	IMMT (2.7)	NCAN (2.6)
0.98	>=0.20	MYBPC3 (5.5)	FRMD5 (4.8)	GATA4 (3.6)
0.98	>=0.20	PBX4 (5.1)	ZNF513 (2.6)	PGS1 (2.4)
0.98	>=0.20	AGBL2 (2.1)	CCDC121 (2.1)	ATG4C (2.0)
0.98	>=0.20	ENSG00000255020 (3	MTCH2 (2.7)	NFE2L3 (2.5)
0.98	>=0.20	CSGALNACT1 (3.0)	PTPRJ (3.0)	C8orf12 (2.8)
0.98	>=0.20	EIF3J (3.7)	EIF2B4 (3.4)	PPM1G (3.1)
0.98	>=0.20	FEN1 (4.8)	WDR76 (4.4)	DDB2 (4.4)
0.98	>=0.20	LINC00208 (3.7)	PDIA3 (3.4)	ACP2 (2.6)
0.98	>=0.20	LINC00208 (3.7)	PDIA3 (3.4)	ACP2 (2.6)
0.98	>=0.20	ENSG00000255020 (2	LRP4 (2.4)	EMILIN1 (2.1)
0.98	>=0.20	GPN2 (3.9)	NRBF2 (3.5)	LSM12 (3.3)
0.98	>=0.20	CTDSPL2 (3.9)	WDR76 (3.5)	TUBGCP4 (3.2)
0.98	>=0.20	ACP2 (2.1)	NR1H3 (1.8)	ENSG00000253379 (1
0.98	>=0.20	ENSG00000256731 (2	ENSG00000235545 (2	TRNP1 (2.0)
0.98	>=0.20	FEN1 (5.3)	WDR76 (5.1)	USP1 (4.5)
0.98	>=0.20	MTMR9 (3.2)	RIC8B (2.7)	NSMAF (2.4)
0.98	>=0.20	CCDC18 (5.1)	FEN1 (4.9)	CKAP5 (4.6)
0.98	>=0.20	C2orf16 (4.0)	C8orf12 (2.5)	ZNF513 (2.1)
0.98	>=0.20	EPB41L3 (3.1)	DNAH10 (2.3)	PTPN13 (2.1)
0.98	>=0.20	WDR76 (4.0)	CTDSPL2 (3.8)	MFAP1 (3.4)
0.98	>=0.20	EIF2B4 (3.2)	ENSG00000200241 (2	ENSG00000255020 (2
0.98	>=0.20	KBTBD4 (3.2)	HARBI1 (2.9)	DR1 (2.9)
0.98	>=0.20	LINC00208 (2.8)	BLK (2.8)	APOE (2.3)
0.98	>=0.20	TRNP1 (2.9)	PAFAH1B2 (2.6)	PCSK7 (2.4)
0.98	>=0.20	MRPL33 (3.1)	PTCD3 (3.0)	TXNL4B (2.7)
0.98	>=0.20	DHODH (2.4)	CAD (2.2)	MAMSTR (2.2)
0.98	>=0.20	DHODH (2.4)	CAD (2.2)	MAMSTR (2.2)
0.98	>=0.20	MAP1A (2.4)	FEN1 (2.3)	CKAP5 (2.3)
0.98	>=0.20	C11orf49 (3.1)	DPYSL5 (2.7)	TMEM214 (2.6)
0.98	>=0.20	EMILIN1 (3.9)	BNC2 (2.5)	C8orf12 (2.3)
0.98	>=0.20	DNAJC5G (4.0)	C8orf49 (2.9)	CCDC18 (2.6)
0.98	>=0.20	INTS10 (3.6)	DHODH (3.1)	CAD (3.1)
0.98	>=0.20	DNAJC5G (3.1)	ENSG00000257711 (2	CCDC18 (2.5)
0.98	>=0.20	MPP2 (3.2)	MAP1A (2.8)	C1QTNF4 (2.6)
0.98	>=0.20	MAP1A (3.6)	DPYSL5 (2.4)	NCAN (2.4)
0.98	>=0.20	CCDC121 (2.6)	ENSG00000179523 (2	PTPN13 (2.1)
0.98	>=0.20	IMMT (2.3)	VEGFA (2.3)	MAU2 (2.2)
0.98	>=0.20	LINC00208 (6.0)	VEGFA (1.8)	DNAH10 (1.7)
0.98	>=0.20	LINC00208 (3.7)	ZDHHC18 (2.4)	C2orf16 (2.1)

0.98	>=0.20	CCDC18 (3.8)	CKAP5 (3.0)	CASC4 (2.8)
0.98	>=0.20	LINC00208 (2.7)	NFE2L3 (2.0)	PBX4 (1.9)
0.98	>=0.20	NEIL2 (3.8)	C8orf49 (3.0)	ABO (2.1)
0.98	>=0.20	OST4 (3.2)	SUMO1 (2.9)	NRBP1 (2.6)
0.98	>=0.20	C2orf16 (3.1)	MAP1A (2.8)	NCAN (2.8)
0.98	>=0.20	MAMSTR (4.2)	MAPRE3 (2.7)	MPP2 (2.3)
0.98	>=0.20	TECTB (4.8)	REEP1 (3.0)	HAPLN4 (3.0)
0.98	>=0.20	LINC00208 (3.1)	NFE2L3 (2.5)	ZNF408 (2.3)
0.98	>=0.20	WDR76 (4.2)	FEN1 (3.6)	DDB2 (3.4)
0.98	>=0.20	GPN2 (4.2)	ZNF513 (4.0)	NRBF2 (4.0)
0.98	>=0.20	PBX4 (3.3)	ENSG00000235545 (2	ENSG00000255020 (2
0.98	>=0.20	MYBPC3 (7.2)	TRIM54 (6.0)	FRMD5 (3.5)
0.98	>=0.20	ENSG00000223522 (4	CCDC121 (4.2)	CCDC18 (3.9)
0.98	>=0.20	MAP1A (2.8)	KDM3A (2.4)	MPP2 (2.3)
0.98	>=0.20	WDR76 (3.6)	NUP160 (3.1)	BRE (2.6)
0.98	>=0.20	EPB41L3 (2.9)	PTPN13 (2.6)	TMEM101 (1.9)
0.98	>=0.20	AFF1 (2.6)	ENSG00000236827 (2	PTPN13 (2.1)
0.98	>=0.20	LINC00208 (3.8)	PDIA3 (3.7)	ACP2 (3.1)
0.98	>=0.20	LINC00208 (3.8)	PDIA3 (3.7)	ACP2 (3.1)
0.98	>=0.20	LINC00208 (3.8)	PDIA3 (3.7)	ACP2 (3.1)
0.98	>=0.20	WDR76 (3.8)	CCDC18 (2.9)	ATG4C (2.7)
0.98	>=0.20	MFAP1 (4.2)	WDR76 (3.8)	CTDSPL2 (3.4)
0.98	>=0.20	ABO (4.0)	ENSG00000182329 (3	ENSG00000235545 (3
0.98	>=0.20	MPP3 (3.6)	STRC (3.3)	ENSG00000256746 (3
0.98	>=0.20	ENSG00000234945 (3	CCDC121 (2.1)	TECTB (2.1)
0.98	>=0.20	BLK (3.4)	ZDHHC18 (2.9)	PCSK7 (2.3)
0.98	>=0.20	BLK (3.4)	ZDHHC18 (2.9)	PCSK7 (2.3)
0.98	>=0.20	MTF2 (3.1)	DOCK7 (2.8)	NSMAF (2.7)
0.98	>=0.20	FDFT1 (5.1)	FADS1 (3.5)	G6PC3 (2.9)
0.98	>=0.20	MADD (2.7)	PMFBP1 (2.3)	MPP3 (2.1)
0.98	>=0.20	BCL7B (2.7)	TMEM175 (2.7)	CHMP3 (2.7)
0.98	>=0.20	FUT2 (2.9)	PTPMT1 (2.5)	ENSG00000200241 (2
0.98	>=0.20	GPN2 (4.3)	ZNF513 (3.7)	MTF2 (2.9)
0.98	>=0.20	POLR1A (3.3)	PTCD3 (2.9)	ZNF259 (2.9)
0.98	>=0.20	C2orf16 (3.8)	SIK3 (2.3)	ZDHHC18 (2.1)
0.98	>=0.20	TECTB (3.9)	STRC (2.6)	IZUMO1 (2.5)
0.98	>=0.20	TRIM54 (4.2)	REEP1 (2.8)	TAGLN (2.6)
0.98	>=0.20	WDR76 (3.8)	DDB2 (3.6)	FEN1 (3.3)
0.98	>=0.20	UBXN2B (4.1)	BUD13 (2.5)	BCL7B (2.4)
0.98	>=0.20	PPM1G (2.5)	MAU2 (2.4)	SUGP1 (2.3)
0.98	>=0.20	MAPK10 (2.2)	HAPLN4 (1.7)	KLF14 (1.7)
0.98	>=0.20	AFF1 (2.1)	MTF2 (2.0)	SUMO1 (1.9)
0.98	>=0.20	SLC30A3 (3.1)	TRIM54 (2.8)	REEP1 (2.4)
0.98	>=0.20	WDR76 (5.4)	FEN1 (5.2)	USP1 (4.8)
0.98	>=0.20	GPN2 (4.3)	NRBF2 (3.9)	ZNF513 (3.5)
0.98	>=0.20	NDUFS3 (6.6)	MRPL33 (5.5)	MRPL35 (4.5)
0.98	>=0.20	TRIM54 (7.0)	PACSIN3 (3.8)	LPAR2 (1.8)
0.98	>=0.20	RFX4 (4.1)	NCAN (3.2)	SOST (2.8)
0.98	>=0.20	TRIM54 (8.4)	PACSIN3 (4.5)	MAMSTR (3.0)
0.98	>=0.20	USP1 (4.1)	PCIF1 (3.9)	NUP160 (3.0)

0.98	>=0.20	CTDSPL2 (3.9)	WDR76 (3.6)	TUBGCP4 (3.2)
0.98	>=0.20	PDIA3 (4.2)	LINC00208 (3.8)	TMEM214 (2.7)
0.98	>=0.20	DOCK7 (3.1)	IFT172 (2.4)	ENSG00000223522 (2
0.98	>=0.20	DR1 (3.3)	NRBF2 (3.3)	KBTBD4 (2.9)
0.98	>=0.20	C1QTNF4 (3.6)	HAPLN4 (3.5)	MPP2 (3.1)
0.98	>=0.20	STRC (2.8)	ABHD1 (2.8)	TMEM175 (2.7)
0.98	>=0.20	MAPK10 (4.6)	ENSG00000236827 (2	C8orf12 (2.3)
0.98	>=0.20	BCL7B (3.5)	ZNF335 (2.2)	SUMO1 (2.0)
0.98	>=0.20	MAP1A (3.4)	TRNP1 (3.2)	EPB41L3 (3.0)
0.98	>=0.20	WDR76 (6.4)	FEN1 (6.0)	USP1 (4.2)
0.98	>=0.20	SDCBP (4.0)	IGF2R (3.2)	CTSB (3.0)
0.98	>=0.20	USP1 (5.7)	FEN1 (5.2)	WDR76 (5.1)
0.98	>=0.20	MPP3 (3.3)	SPG11 (2.6)	SDC1 (2.1)
0.98	>=0.20	FEN1 (5.8)	WDR76 (5.0)	USP1 (4.5)
0.98	>=0.20	MPP3 (4.1)	MAPRE3 (3.8)	MPP2 (3.7)
0.98	>=0.20	CHMP3 (3.6)	TRNP1 (3.3)	ENSG00000222035 (3
0.98	>=0.20	ZNF664 (2.9)	KRTCAP3 (2.8)	DPYSL5 (2.7)
0.98	>=0.20	PGS1 (2.9)	TECTB (2.5)	CSGALNACT1 (2.3)
0.98	>=0.20	EIF2B4 (2.9)	CHMP3 (2.8)	PAFAH1B2 (2.8)
0.98	>=0.20	C11orf9 (3.5)	TECTB (2.8)	HAPLN4 (2.8)
0.98	>=0.20	C11orf9 (2.3)	DOCK6 (2.3)	MADD (2.3)
0.98	>=0.20	OST4 (3.0)	CKAP5 (2.5)	LPAR2 (2.5)
0.98	>=0.20	MYBPC3 (6.4)	GATA4 (4.3)	ENSG00000253379 (3
0.98	>=0.20	C8orf12 (3.7)	ENSG00000223522 (3	TDH (3.3)
0.98	>=0.20	ARFGAP2 (2.6)	C17orf105 (2.6)	UCN (2.2)
0.98	>=0.20	ENSG00000223522 (3	EPB41L3 (2.4)	DNAJC5G (2.0)
0.98	>=0.20	CKAP5 (3.0)	TMEM214 (2.6)	NRBP1 (2.6)
0.98	>=0.20	NCAN (3.4)	CASC4 (3.2)	MPP2 (3.1)
0.98	>=0.20	C17orf105 (3.4)	CCDC92 (2.8)	SLC5A6 (2.5)
0.98	>=0.20	WDR76 (6.0)	CCDC18 (4.6)	FEN1 (4.2)
0.98	>=0.20	HAVCR1 (3.7)	ENSG00000179523 (2	FZD9 (2.5)
0.98	>=0.20	ENSG00000226645 (2	FZD9 (2.4)	FUT1 (2.3)
0.98	>=0.20	CSGALNACT1 (3.0)	MPP2 (2.8)	SLC30A3 (2.6)
0.98	>=0.20	BAZ1B (3.1)	ARID1A (2.7)	FDFT1 (2.7)
0.98	>=0.20	FNBP4 (3.2)	AMBRA1 (2.8)	SIK3 (2.8)
0.98	>=0.20	ZNF408 (2.9)	BCL7B (2.7)	KBTBD4 (2.6)
0.98	>=0.20	RIC8B (2.7)	LSM12 (2.2)	PTPMT1 (2.0)
0.98	>=0.20	MAMSTR (3.8)	FZD9 (2.7)	BNC2 (2.4)
0.98	>=0.20	DNAJC5G (5.5)	C8orf12 (3.7)	IZUMO1 (2.3)
0.98	>=0.20	TMEM214 (5.0)	PREB (4.1)	IFT172 (3.8)
0.98	>=0.20	AGBL2 (8.6)	IFT172 (3.7)	DNAH10 (3.6)
0.98	>=0.20	ENSG00000234945 (3	HAPLN4 (3.3)	TMEM175 (2.7)
0.98	>=0.20	DNAJC5G (4.2)	ENSG00000257711 (2	TDH (2.7)
0.98	>=0.20	DPYSL5 (3.2)	DHX38 (3.2)	MAP1A (2.9)
0.98	>=0.20	REEP3 (3.0)	MTCH2 (2.8)	PTCD3 (2.6)
0.98	>=0.20	MAPK10 (4.2)	ENSG00000236827 (2	ABO (2.5)
0.98	>=0.20	LRP4 (3.3)	SOST (2.7)	ENSG00000257711 (2
0.98	>=0.20	NRBP1 (3.7)	GPN1 (3.6)	SNX17 (3.4)
0.98	>=0.20	GPN2 (3.9)	ZNF513 (3.1)	NRBF2 (3.0)
0.98	>=0.20	MTCH2 (2.5)	GPN2 (2.0)	CELF1 (1.8)

0.98	>=0.20	POLR1A (2.8)	PPM1G (2.8)	DHX38 (2.6)
0.98	>=0.20	FUT2 (3.1)	OST4 (2.8)	PTPMT1 (2.4)
0.98	>=0.20	PPM1G (2.7)	NCAN (2.4)	FNDC4 (2.2)
0.98	>=0.20	MAP1A (4.1)	BCAM (2.6)	MAPK10 (2.5)
0.99	>=0.20	ZNF664 (2.5)	BCL7B (2.4)	TRNP1 (2.3)
0.99	>=0.20	MAPRE3 (3.1)	DUSP3 (2.9)	MPV17 (2.7)
0.99	>=0.20	NCAN (4.6)	HDAC5 (3.1)	MPP2 (3.0)
0.99	>=0.20	TUBGCP4 (2.5)	MPV17 (2.4)	SDCBP (2.4)
0.99	>=0.20	MPP3 (4.2)	C1QTNF4 (3.6)	MPP2 (2.5)
0.99	>=0.20	ENSG00000182329 (3	ENSG00000236827 (3	C8orf12 (2.4)
0.99	>=0.20	ENSG00000222035 (2	COBLL1 (2.2)	CATSPER2 (2.0)
0.99	>=0.20	FEN1 (4.9)	USP1 (3.1)	WDR76 (3.0)
0.99	>=0.20	EIF2B4 (3.0)	ENSG00000255020 (2	ENSG00000200241 (2
0.99	>=0.20	HAVCR1 (2.7)	UCN (2.2)	G6PC3 (2.0)
0.99	>=0.20	NRBF2 (2.8)	ENSG00000253379 (2	ENSG00000234945 (2
0.99	>=0.20	MAP1A (4.0)	MAPK10 (2.6)	BCAM (2.5)
0.99	>=0.20	CKAP5 (5.4)	CCDC18 (4.8)	FEN1 (4.3)
0.99	>=0.20	DPYSL5 (3.4)	LRP4 (3.0)	REEP1 (2.8)
0.99	>=0.20	WDR76 (6.1)	FEN1 (5.7)	USP1 (4.8)
0.99	>=0.20	ZNF408 (3.4)	PAFAH1B2 (2.7)	NFE2L3 (2.5)
0.99	>=0.20	C1orf172 (4.8)	CBLC (4.7)	SFN (3.7)
0.99	>=0.20	ATG13 (5.3)	NSMAF (2.9)	HARBI1 (2.9)
0.99	>=0.20	OST4 (3.8)	TSSK6 (2.4)	UBXN2B (2.3)
0.99	>=0.20	DDB2 (3.7)	SPG11 (3.3)	HARBI1 (3.1)
0.99	>=0.20	EPB41L3 (2.5)	MAPRE3 (2.3)	HAPLN4 (2.2)
0.99	>=0.20	DDB2 (3.7)	MRPL33 (2.5)	UCN (2.3)
0.99	>=0.20	MPP2 (2.8)	ENSG00000255020 (2	ABO (2.2)
0.99	>=0.20	AGBL2 (3.1)	CCDC18 (2.7)	MFAP1 (2.3)
0.99	>=0.20	ARFGAP2 (4.1)	KBTBD4 (3.4)	ATG13 (3.4)
0.99	>=0.20	PDIA3 (3.7)	PREB (3.3)	TMED5 (3.2)
0.99	>=0.20	KBTBD4 (3.2)	EIF3J (3.0)	ARFGAP2 (2.7)
0.99	>=0.20	TDH (2.3)	ENSG00000234945 (2	SIK3 (2.3)
0.99	>=0.20	TDH (2.3)	ENSG00000234945 (2	SIK3 (2.3)
0.99	>=0.20	MFAP1 (4.2)	WDR76 (3.8)	CTDSPL2 (3.4)
0.99	>=0.20	TRIM54 (3.0)	BMPR2 (2.6)	SLC30A3 (2.3)
0.99	>=0.20	TUBGCP4 (3.1)	GPN1 (2.7)	IMMT (2.2)
0.99	>=0.20	PLTP (2.3)	ENSG00000235545 (1	CYP26A1 (1.7)
0.99	>=0.20	NRBP1 (2.6)	RIC8B (2.3)	C11orf49 (2.3)
0.99	>=0.20	CATSPER2 (3.7)	IFT172 (3.6)	MRPL35 (3.3)
0.99	>=0.20	CATSPER2 (3.7)	IFT172 (3.6)	MRPL35 (3.3)
0.99	>=0.20	CATSPER2 (3.7)	IFT172 (3.6)	MRPL35 (3.3)
0.99	>=0.20	MPP2 (2.7)	ENSG00000255020 (2	C8orf49 (2.2)
0.99	>=0.20	IMMT (4.1)	GPN1 (3.6)	CCDC121 (2.9)
0.99	>=0.20	ZDHHC18 (3.1)	AGBL5 (2.9)	BCL7B (2.8)
0.99	>=0.20	EIF3J (3.6)	MFAP1 (3.4)	HARBI1 (2.8)
0.99	>=0.20	C2orf53 (3.1)	ZNF408 (2.4)	SOST (2.1)
0.99	>=0.20	EIF2B4 (3.0)	ENSG00000200241 (2	SNX17 (2.5)
0.99	>=0.20	GPN2 (3.2)	HDAC5 (2.3)	SUGP1 (2.1)
0.99	>=0.20	TP53BP1 (3.6)	PAFAH1B2 (3.1)	SIK3 (2.4)
0.99	>=0.20	NCAN (3.3)	MAP1A (2.7)	IMMT (2.5)

0.99	>=0.20	LPAL2 (3.0)	SLC30A3 (2.5)	ABO (2.3)
0.99	>=0.20	CSGALNACT1 (2.6)	MPP3 (2.5)	ZDHHC18 (2.2)
0.99	>=0.20	HAPLN4 (1.6)	MAPK10 (1.5)	ENSG00000182319 (1
0.99	>=0.20	MFAP1 (3.0)	NRBP1 (2.8)	TXNL4B (2.8)
0.99	>=0.20	BAZ1B (3.3)	CCDC18 (3.3)	OST4 (2.9)
0.99	>=0.20	C17orf105 (2.3)	C8orf49 (2.1)	C2orf53 (2.1)
0.99	>=0.20	DPYSL5 (3.8)	MAP1A (3.5)	MPP2 (3.3)
0.99	>=0.20	SLC30A3 (3.8)	MPP2 (3.4)	SLC22A3 (2.7)
0.99	>=0.20	DDB2 (3.6)	WDR76 (2.8)	SUGP1 (2.7)
0.99	>=0.20	IZUMO1 (2.6)	HARBI1 (2.3)	CCDC18 (2.3)
0.99	>=0.20	C17orf105 (2.2)	IZUMO1 (2.0)	ENSG00000234945 (2
0.99	>=0.20	DHX38 (3.0)	PTCD3 (3.0)	TXNL4B (2.9)
0.99	>=0.20	NCAN (4.0)	SLC30A3 (3.8)	MPP2 (3.3)
0.99	>=0.20	SUMO1 (3.6)	DR1 (3.0)	PAFAH1B2 (2.9)
0.99	>=0.20	FEN1 (4.8)	WDR76 (4.8)	USP1 (4.3)
0.99	>=0.20	SNX17 (2.4)	PAFAH1B2 (2.4)	SUGP1 (2.4)
0.99	>=0.20	EIF2B4 (3.8)	PTCD3 (3.3)	SNX17 (3.1)
0.99	>=0.20	WDR76 (4.1)	BAZ1B (3.0)	CTDSPL2 (2.8)
0.99	>=0.20	SLC30A3 (4.6)	UCN (3.2)	LPAL2 (2.9)
0.99	>=0.20	RFX4 (3.5)	CCDC121 (3.4)	STRC (3.0)
0.99	>=0.20	NRBP1 (2.8)	CKAP5 (2.4)	MAP1A (2.2)
0.99	>=0.20	CCDC92 (2.8)	REEP1 (2.3)	ZNF664 (2.2)
0.99	>=0.20	TRIM54 (9.6)	PACSIN3 (5.1)	MYBPC3 (3.4)
0.99	>=0.20	FUT2 (3.1)	OST4 (2.9)	PTPMT1 (2.4)
0.99	>=0.20	WDR76 (3.1)	NEIL2 (2.7)	MFAP1 (2.7)
0.99	>=0.20	TSSK6 (2.7)	STRC (2.0)	AGBL2 (1.8)
0.99	>=0.20	SLC22A3 (2.5)	PPIP5K1 (2.1)	TUBGCP4 (2.0)
0.99	>=0.20	MAP1A (3.7)	DPYSL5 (3.5)	MPP2 (3.4)
0.99	>=0.20	CCDC18 (4.7)	CKAP5 (3.3)	DNAH10 (2.9)
0.99	>=0.20	RASIP1 (4.1)	C17orf105 (3.2)	C2orf53 (3.1)
0.99	>=0.20	MAPK10 (3.1)	KRTCAP3 (2.6)	RIC8B (2.5)
0.99	>=0.20	ATG13 (3.8)	TMEM214 (3.7)	TBL2 (2.6)
0.99	>=0.20	ENSG00000257711 (3	CASC4 (2.9)	DHX38 (2.2)
0.99	>=0.20	SUMO1 (3.6)	ENSG00000179523 (3	AMBRA1 (2.9)
0.99	>=0.20	SLC30A3 (3.0)	C2orf53 (2.8)	DNAH10 (2.5)
0.99	>=0.20	CCDC18 (5.3)	CKAP5 (5.3)	FEN1 (4.6)
0.99	>=0.20	MAP1A (3.2)	REEP3 (2.6)	TRNP1 (2.3)
0.99	>=0.20	C11orf9 (3.5)	PYY (3.1)	NCAN (2.7)
0.99	>=0.20	SLC30A3 (3.5)	NCAN (3.2)	MAPRE3 (2.5)
0.99	>=0.20	OST4 (4.0)	UBXN2B (2.3)	TSSK6 (2.3)
0.99	>=0.20	C2orf53 (5.4)	C17orf105 (4.7)	TSSK6 (4.4)
0.99	>=0.20	TMEM175 (2.7)	ENSG00000223745 (2	SLC30A3 (2.1)
0.99	>=0.20	TRIM54 (9.1)	PACSIN3 (4.3)	MYBPC3 (2.7)
0.99	>=0.20	TMEM214 (5.6)	MADD (3.5)	PREB (3.1)
0.99	>=0.20	TXNL4B (3.5)	ATG13 (3.5)	TP53BP1 (3.2)
0.99	>=0.20	CCDC18 (4.9)	PCSK7 (3.6)	ENSG00000222035 (3
0.99	>=0.20	CCDC18 (4.9)	PCSK7 (3.6)	ENSG00000222035 (3
0.99	>=0.20	DDB2 (3.4)	CCDC18 (3.0)	WDR76 (2.8)
0.99	>=0.20	DNAJC5G (4.3)	C8orf12 (2.6)	NEIL2 (2.6)
0.99	>=0.20	ENSG00000179523 (1	TMEM175 (1.8)	GPN2 (1.7)

0.99	>=0.20	WDR76 (4.0)	CTDSPL2 (3.2)	DDB2 (2.9)
0.99	>=0.20	ENSG00000236267 (3	AGBL2 (2.9)	ZNF664 (2.8)
0.99	>=0.20	ENSG00000236267 (3	AGBL2 (2.9)	ZNF664 (2.8)
0.99	>=0.20	FEN1 (5.5)	WDR76 (5.2)	CKAP5 (4.6)
0.99	>=0.20	TRIM54 (4.2)	LINC00208 (3.7)	PACSIN3 (2.6)
0.99	>=0.20	C1QTNF4 (3.5)	EPB41L3 (3.4)	MPP2 (3.4)
0.99	>=0.20	LPAL2 (2.2)	LINC00208 (2.1)	ENSG00000236827 (2
0.99	>=0.20	BCL7B (4.7)	PPM1G (2.7)	USP1 (2.7)
0.99	>=0.20	EIF2B4 (3.0)	SNX17 (2.5)	KBTBD4 (2.4)
0.99	>=0.20	RFX4 (3.0)	CYP26A1 (2.8)	LRP4 (2.6)
0.99	>=0.20	TSSK6 (4.5)	C17orf105 (4.1)	C2orf53 (3.1)
0.99	>=0.20	AGBL2 (6.6)	C11orf49 (5.2)	IFT172 (4.9)
0.99	>=0.20	BCL3 (3.4)	ZDHHC18 (2.5)	PTPRJ (2.4)
0.99	>=0.20	ENSG00000223522 (3	AGBL5 (2.7)	CCDC18 (2.7)
0.99	>=0.20	PTCD3 (3.2)	TXNL4B (3.1)	ZNF259 (3.0)
0.99	>=0.20	NDUFS3 (6.2)	MRPL33 (5.7)	OST4 (4.3)
0.99	>=0.20	PBX4 (3.0)	ENSG00000222035 (2	IZUMO1 (2.2)
0.99	>=0.20	PBX4 (3.1)	ENSG00000236827 (2	ENSG00000182319 (2
0.99	>=0.20	DNAJC5G (4.1)	ENSG00000257711 (3	CATSPER2 (2.5)
0.99	>=0.20	TRIM54 (4.1)	MYBPC3 (3.7)	CELF1 (2.5)
0.99	>=0.20	CATSPER2 (2.6)	ATG4C (2.6)	PPIP5K1 (2.2)
0.99	>=0.20	ENSG00000223522 (2	LPAL2 (2.5)	STRC (2.0)
0.99	>=0.20	CHMP3 (3.3)	SLC30A3 (3.2)	DUSP3 (2.2)
0.99	>=0.20	CCDC18 (5.2)	CKAP5 (4.8)	FEN1 (4.0)
0.99	>=0.20	C8orf49 (3.7)	SLC30A3 (2.6)	FRMD5 (2.5)
0.99	>=0.20	TRIM54 (7.8)	MAMSTR (5.9)	PACSIN3 (4.2)
0.99	>=0.20	CCDC18 (4.1)	PCSK7 (3.9)	SIK3 (3.0)
0.99	>=0.20	CCDC18 (4.1)	PCSK7 (3.9)	SIK3 (3.0)
0.99	>=0.20	BLK (4.8)	GMIP (2.8)	PBX4 (2.5)
0.99	>=0.20	MAMSTR (4.4)	REEP1 (2.8)	MAPRE3 (2.4)
0.99	>=0.20	C11orf49 (3.5)	HAVCR1 (2.8)	KRTCAP3 (2.8)
0.99	>=0.20	ENSG00000200241 (2	WDR76 (2.6)	ENSG00000255020 (2
0.99	>=0.20	CSGALNACT1 (2.8)	C8orf12 (2.7)	PTPRJ (2.7)
0.99	>=0.20	HAPLN4 (2.9)	MAPK10 (2.5)	ENSG00000255020 (2
0.99	>=0.20	SLC30A3 (3.3)	MPP2 (3.0)	MAPRE3 (2.9)
0.99	>=0.20	CCDC18 (5.3)	CKAP5 (5.0)	FEN1 (4.5)
0.99	>=0.20	MAP1A (3.9)	NCAN (3.8)	C1QTNF4 (3.4)
0.99	>=0.20	DDB2 (4.2)	WDR76 (3.1)	BLK (2.8)
0.99	>=0.20	SUMO1 (2.8)	ZNF335 (2.3)	MRPL33 (2.2)
0.99	>=0.20	LINC00208 (3.8)	NFE2L3 (2.5)	DDB2 (2.0)
0.99	>=0.20	MPP2 (3.6)	NCAN (3.3)	FNDC4 (2.9)
0.99	>=0.20	ABHD1 (2.2)	CCDC121 (2.1)	HAVCR1 (2.0)
0.99	>=0.20	GPN2 (4.1)	NRBF2 (3.5)	MTF2 (3.4)
0.99	>=0.20	USP1 (4.3)	JMJD1C (3.5)	CTDSPL2 (3.1)
0.99	>=0.20	C17orf105 (2.0)	TDH (1.9)	PPY (1.9)
0.99	>=0.20	PAFAH1B2 (3.8)	ENSG00000222035 (3	CHMP3 (2.8)
0.99	>=0.20	ABO (2.2)	MLXIPL (2.1)	PYY (2.0)
0.99	>=0.20	C11orf49 (3.4)	C2orf53 (3.0)	TSSK6 (2.6)
0.99	>=0.20	TRIM54 (5.6)	MAMSTR (3.9)	PACSIN3 (3.3)
0.99	>=0.20	MAPRE3 (3.0)	PACSIN3 (2.5)	MPP2 (2.4)

0.99	>=0.20	PCIF1 (3.7)	BCL7B (3.6)	KBTBD4 (3.2)
0.99	>=0.20	HAPLN4 (5.4)	C1QTNF4 (3.5)	MAP1A (2.8)
0.99	>=0.20	SLC22A3 (2.6)	COBLL1 (2.3)	KLF14 (2.1)
0.99	>=0.20	FEN1 (6.5)	WDR76 (6.4)	USP1 (4.7)
0.99	>=0.20	PPIP5K1 (3.7)	DUSP3 (2.9)	CHMP3 (2.5)
0.99	>=0.20	WDR76 (5.5)	FEN1 (5.4)	USP1 (4.8)
0.99	>=0.20	MFAP1 (3.0)	FNBP4 (2.9)	ZNF512 (2.9)
0.99	>=0.20	KHK (5.3)	SLC5A6 (3.1)	ANGPTL3 (2.8)
0.99	>=0.20	SLC30A3 (3.1)	CELF1 (2.1)	C1QTNF4 (2.0)
0.99	>=0.20	SUMO1 (3.1)	ENSG00000256746 (2	CCDC18 (2.8)
0.99	>=0.20	ENSG00000235545 (3	ENSG00000236827 (2	ENSG00000223522 (2
0.99	>=0.20	ATG13 (3.8)	ARFGAP2 (3.1)	NRBP1 (2.4)
0.99	>=0.20	CHMP3 (3.7)	NRBP1 (3.5)	MAPRE3 (2.5)
0.99	>=0.20	MAP1A (3.6)	C1QTNF4 (3.5)	MPP2 (3.4)
0.99	>=0.20	ENSG00000223522 (3	ABHD1 (2.8)	CGREF1 (2.0)
0.99	>=0.20	ENSG00000223522 (3	ABHD1 (2.8)	CGREF1 (2.0)
0.99	>=0.20	CTSB (3.6)	SDCBP (3.2)	ATP13A1 (2.8)
0.99	>=0.20	MAMSTR (4.6)	MAP1A (3.2)	MPP3 (2.7)
0.99	>=0.20	MPP2 (4.3)	MPP3 (3.9)	HAPLN4 (3.2)
0.99	>=0.20	SPG11 (4.2)	ZNF259 (3.4)	FGF21 (3.2)
0.99	>=0.20	TUBGCP4 (2.5)	NFE2L3 (2.4)	PPM1G (2.3)
0.99	>=0.20	DR1 (3.3)	HDAC5 (2.8)	ZNF408 (2.7)
0.99	>=0.20	FRMD5 (2.6)	FUT2 (2.6)	CASC4 (2.5)
0.99	>=0.20	DDB2 (2.8)	CCDC18 (2.6)	ZNF512 (2.4)
0.99	>=0.20	WDR76 (4.6)	FEN1 (4.0)	USP1 (2.8)
0.99	>=0.20	MRPL33 (5.7)	NDUFS3 (5.6)	MRPL35 (5.1)
0.99	>=0.20	RIC8B (4.3)	DPYSL5 (3.0)	ENSG00000236827 (2
0.99	>=0.20	WDR76 (4.3)	DDB2 (3.4)	CCDC18 (3.3)
0.99	>=0.20	FEN1 (5.4)	WDR76 (4.4)	CKAP5 (4.1)
0.99	>=0.20	USP1 (3.4)	CTDSPL2 (2.7)	CCDC18 (2.5)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	SUMO1 (2.4)	FADS1 (2.1)	BUD13 (2.1)
0.99	>=0.20	GPN2 (3.8)	ZNF513 (3.6)	NRBF2 (3.5)
0.99	>=0.20	PGS1 (2.4)	GPN1 (2.3)	BRE (2.2)
0.99	>=0.20	CSGALNACT1 (3.3)	PTPRJ (3.0)	SLC30A3 (2.8)
0.99	>=0.20	NCAN (3.0)	ACP2 (2.6)	CGREF1 (2.5)
0.99	>=0.20	DR1 (3.0)	C8orf12 (2.8)	MTMR9 (2.4)
0.99	>=0.20	FUT2 (2.7)	NDUFS3 (2.3)	PPM1G (2.1)
0.99	>=0.20	NRBP1 (3.3)	GPN1 (3.1)	EIF2B4 (2.4)
0.99	>=0.20	TSSK6 (3.0)	STRC (1.7)	G6PC3 (1.4)
0.99	>=0.20	MAP1A (2.7)	HAPLN4 (2.7)	SLC30A3 (2.2)
0.99	>=0.20	ATG13 (3.7)	ARFGAP2 (3.0)	NRBP1 (2.4)
0.99	>=0.20	MYBPC3 (4.7)	TRIM54 (4.3)	FRMD5 (4.0)
0.99	>=0.20	ENSG00000222035 (2	ZNF335 (2.3)	MAU2 (2.3)
0.99	>=0.20	FUT1 (3.5)	HAPLN4 (3.1)	MPP3 (2.6)
0.99	>=0.20	MRPL35 (3.5)	PTCD3 (2.8)	SUPT7L (2.7)
0.99	>=0.20	TMEM101 (3.3)	FZD9 (3.1)	PIGV (2.8)
0.99	>=0.20	CHMP3 (3.7)	PPIP5K1 (2.3)	CCDC92 (2.2)
0.99	>=0.20	ZNF664 (2.6)	DUSP3 (2.4)	CCDC92 (2.0)

0.99	>=0.20	DUSP3 (4.0)	NRBP1 (3.4)	PAFAH1B2 (2.9)
0.99	>=0.20	MPP2 (3.6)	ENSG00000256746 (2	SLC30A3 (2.6)
0.99	>=0.20	ENSG00000234945 (3	HAPLN4 (3.3)	TMEM175 (2.8)
0.99	>=0.20	MPP3 (2.7)	C1QTNF4 (2.6)	ARHGAP1 (2.4)
0.99	>=0.20	PDIA3 (2.9)	NEIL2 (2.8)	PTPRJ (2.7)
0.99	>=0.20	C2orf53 (6.0)	C17orf105 (5.3)	TSSK6 (4.5)
0.99	>=0.20	FEN1 (5.5)	WDR76 (5.2)	CCDC18 (4.5)
0.99	>=0.20	NCAN (3.5)	MPP2 (3.4)	C1QTNF4 (3.2)
0.99	>=0.20	MAP1A (2.8)	MAMSTR (2.6)	MPP2 (2.5)
0.99	>=0.20	GMIP (3.0)	ARHGAP1 (2.7)	PTPRJ (2.6)
0.99	>=0.20	TXNL4B (3.8)	ATG13 (3.0)	NRBF2 (2.9)
0.99	>=0.20	DUSP3 (2.7)	C17orf105 (2.5)	PAFAH1B2 (2.2)
0.99	>=0.20	CD300LG (3.0)	ZDHHC18 (2.8)	CHMP3 (2.7)
0.99	>=0.20	GPN2 (3.1)	GPN1 (2.4)	NRBP1 (2.0)
0.99	>=0.20	ENSG00000182329 (3	ENSG00000235545 (2	SIK3 (2.3)
0.99	>=0.20	ENSG00000179523 (4	HARBI1 (2.1)	COBLL1 (2.1)
0.99	>=0.20	TP53BP1 (2.6)	TMEM101 (2.6)	AGBL5 (2.1)
0.99	>=0.20	ENSG00000182329 (4	ENSG00000235545 (2	TMEM175 (1.9)
0.99	>=0.20	FADS1 (3.0)	ENSG00000256731 (2	C1QTNF4 (2.5)
0.99	>=0.20	CCDC18 (3.5)	ABO (2.7)	BAZ1B (2.6)
0.99	>=0.20	CMIP (3.5)	CLPTM1 (2.8)	PAFAH1B2 (2.8)
0.99	>=0.20	CKAP5 (5.0)	CCDC18 (4.9)	FEN1 (4.4)
0.99	>=0.20	CTDSPL2 (4.2)	MFAP1 (3.1)	CASC4 (3.1)
0.99	>=0.20	FUT2 (3.1)	OST4 (2.8)	AGBL2 (2.4)
0.99	>=0.20	KHK (2.2)	SIK3 (1.9)	EMILIN1 (1.9)
0.99	>=0.20	BLK (5.1)	GMIP (2.8)	PBX4 (2.6)
0.99	>=0.20	MTF2 (3.0)	GATAD2A (2.9)	WDR76 (2.8)
0.99	>=0.20	PMFBP1 (2.8)	PPIP5K1 (2.4)	MAPK10 (2.3)
0.99	>=0.20	SLC30A3 (3.1)	C1QTNF4 (3.1)	HAPLN4 (3.0)
0.99	>=0.20	CKAP5 (5.2)	CCDC18 (5.1)	FEN1 (4.3)
0.99	>=0.20	CCDC18 (5.0)	CKAP5 (4.9)	FEN1 (4.5)
0.99	>=0.20	MTMR9 (2.5)	MAMSTR (2.4)	SIK3 (2.3)
0.99	>=0.20	WDR76 (3.9)	DDB2 (2.9)	ZNF512 (2.8)
0.99	>=0.20	SUPT7L (3.3)	INTS10 (2.9)	BAZ1B (2.9)
0.99	>=0.20	SUPT7L (3.3)	INTS10 (2.9)	BAZ1B (2.9)
0.99	>=0.20	PDIA3 (6.7)	TMEM214 (4.6)	LINC00208 (3.9)
0.99	>=0.20	PDIA3 (6.7)	TMEM214 (4.6)	LINC00208 (3.9)
0.99	>=0.20	PDIA3 (6.7)	TMEM214 (4.6)	LINC00208 (3.9)
0.99	>=0.20	MAMSTR (3.3)	SUMO1 (2.6)	CITED2 (2.5)
0.99	>=0.20	FUT2 (3.0)	PTPMT1 (2.8)	ENSG00000200241 (2
0.99	>=0.20	NSMAF (2.4)	MTF2 (2.4)	INTS10 (1.9)
0.99	>=0.20	TMEM214 (4.7)	PREB (2.9)	TBL2 (2.6)
0.99	>=0.20	ENSG00000179523 (4	HARBI1 (2.2)	ENSG00000235545 (2
0.99	>=0.20	SLC30A3 (3.4)	MAP1A (3.0)	CELF1 (2.7)
0.99	>=0.20	BCL7B (3.8)	PCIF1 (3.7)	KBTBD4 (3.4)
0.99	>=0.20	TSSK6 (2.9)	CHMP3 (1.6)	STRC (1.5)
0.99	>=0.20	WDR76 (3.5)	CCDC18 (3.3)	CTDSPL2 (3.1)
0.99	>=0.20	ATG13 (3.7)	ARFGAP2 (3.0)	NRBP1 (2.4)
0.99	>=0.20	ARHGAP1 (2.6)	MYBPC3 (2.6)	TAGLN (2.6)
0.99	>=0.20	CCDC18 (4.2)	ENSG00000223522 (3	CCDC121 (3.4)

0.99	>=0.20	CCDC18 (3.6)	DNAJC5G (3.0)	CATSPER2 (2.6)
0.99	>=0.20	USP1 (4.4)	CKAP5 (3.7)	CCDC18 (3.0)
0.99	>=0.20	OST4 (3.2)	ENSG00000182329 (2	SUPT7L (2.0)
0.99	>=0.20	CILP2 (7.4)	FZD9 (6.5)	TECTB (3.9)
0.99	>=0.20	RIC8B (3.9)	PLA2G6 (2.8)	NRBP1 (2.8)
0.99	>=0.20	SLC30A3 (3.1)	ENSG00000222035 (2	ABO (1.9)
0.99	>=0.20	ENSG00000223522 (2	RSPO3 (2.3)	PBX4 (2.3)
0.99	>=0.20	ENSG00000256731 (3	STRC (2.8)	FUT1 (2.4)
0.99	>=0.20	CTSB (4.0)	SDCBP (3.4)	MTCH2 (2.9)
0.99	>=0.20	FUT2 (2.7)	NAT2 (1.8)	C11orf9 (1.8)
0.99	>=0.20	ENSG00000255020 (2	KRTCAP3 (2.1)	SIDT2 (2.1)
0.99	>=0.20	MAPRE3 (2.6)	MAP1A (2.5)	MPP2 (2.1)
0.99	>=0.20	MAPRE3 (3.5)	CSGALNACT1 (2.9)	MPP3 (2.4)
0.99	>=0.20	BLK (2.3)	NSMAF (2.1)	MFAP1 (2.1)
0.99	>=0.20	WDR76 (4.7)	CTDSPL2 (4.6)	BAZ1B (3.3)
0.99	>=0.20	TRIM54 (4.3)	REEP1 (2.9)	TAGLN (2.7)
0.99	>=0.20	NRBP1 (2.5)	C8orf12 (2.5)	PPY (2.3)
0.99	>=0.20	FGF21 (3.6)	ZNF408 (3.4)	SUPT7L (2.9)
0.99	>=0.20	RBKS (2.6)	SLC30A3 (2.6)	LPAL2 (2.1)
0.99	>=0.20	MTMR9 (2.4)	MAMSTR (2.4)	SIK3 (2.4)
0.99	>=0.20	ENSG00000235545 (2	PYY (1.8)	CCDC121 (1.8)
0.99	>=0.20	USP1 (5.3)	FEN1 (4.9)	WDR76 (4.8)
0.99	>=0.20	FDFT1 (3.8)	FADS1 (3.8)	MRPL35 (3.2)
0.99	>=0.20	SDC1 (2.7)	CKAP5 (2.6)	CBLC (2.5)
0.99	>=0.20	MAMSTR (5.1)	REEP1 (3.7)	TRIM54 (3.2)
0.99	>=0.20	SPG11 (3.4)	BUD13 (3.2)	TP53BP1 (3.1)
0.99	>=0.20	EIF3J (3.3)	GPN1 (3.1)	SUPT7L (3.0)
0.99	>=0.20	BUD13 (2.4)	TP53BP1 (2.0)	DOCK7 (1.6)
0.99	>=0.20	PDIA3 (5.3)	LINC00208 (4.2)	TMEM214 (3.1)
0.99	>=0.20	EIF2B4 (2.9)	ENSG00000200241 (2	SNX17 (2.3)
0.99	>=0.20	TMEM214 (6.7)	PREB (4.4)	SNX17 (3.3)
0.99	>=0.20	ZNF259 (3.4)	PTCD3 (2.6)	NOP58 (2.3)
0.99	>=0.20	DHX38 (3.3)	SUGP1 (3.3)	BUD13 (2.9)
0.99	>=0.20	DDB2 (2.9)	NFE2L3 (2.2)	MTCH2 (2.2)
0.99	>=0.20	USP1 (3.7)	FEN1 (3.5)	WDR76 (3.5)
0.99	>=0.20	CCDC18 (5.5)	CKAP5 (5.0)	FEN1 (4.6)
0.99	>=0.20	FADS2 (3.5)	FADS1 (2.7)	TP53BP1 (2.4)
0.99	>=0.20	ENSG00000255020 (2	DDB2 (2.9)	MTCH2 (2.5)
0.99	>=0.20	MPP3 (3.5)	MAPRE3 (3.3)	MAP1A (2.2)
0.99	>=0.20	TP53BP1 (3.0)	C8orf12 (2.9)	TMEM214 (2.5)
0.99	>=0.20	HAPLN4 (1.8)	MAPK10 (1.7)	NCAN (1.7)
0.99	>=0.20	CKAP5 (5.1)	CCDC18 (4.8)	FEN1 (4.5)
0.99	>=0.20	DPYSL5 (2.7)	ENSG00000223745 (2	MAP1A (2.2)
0.99	>=0.20	MAP1A (3.3)	TDH (2.6)	BCAM (2.5)
0.99	>=0.20	BCL7B (4.3)	ENSG00000223745 (3	MADD (3.2)
0.99	>=0.20	BCL7B (4.3)	ENSG00000223745 (3	MADD (3.2)
0.99	>=0.20	CELF1 (2.5)	CCDC92 (2.4)	MAPRE3 (2.3)
0.99	>=0.20	CKAP5 (3.2)	IFT172 (2.6)	EIF3J (2.4)
0.99	>=0.20	C2orf16 (2.8)	KLF14 (2.7)	DPYSL5 (2.7)
0.99	>=0.20	TECTB (10.8)	STRC (4.7)	FZD9 (3.2)

0.99	>=0.20	MAMSTR (3.5)	LPAL2 (2.9)	MPP3 (2.7)
0.99	>=0.20	MAP1A (3.3)	MAPRE3 (3.0)	DPYSL5 (3.0)
0.99	>=0.20	BUD13 (2.4)	NUP160 (2.1)	TP53BP1 (1.9)
0.99	>=0.20	TRIM54 (6.5)	PACSIN3 (4.7)	MYBPC3 (2.6)
0.99	>=0.20	MADD (2.9)	EPB41L3 (2.8)	FUT2 (2.7)
0.99	>=0.20	ENSG00000256746 (2	KRTCAP3 (2.4)	LPL (2.3)
0.99	>=0.20	AGBL2 (8.4)	IFT172 (3.6)	DNAH10 (3.2)
0.99	>=0.20	HAVCR1 (3.8)	DNAH10 (3.2)	ENSG00000179523 (2
0.99	>=0.20	KBTBD4 (2.9)	DHODH (2.5)	FNBP4 (2.3)
0.99	>=0.20	C17orf105 (4.2)	C2orf53 (3.2)	C8orf12 (2.8)
0.99	>=0.20	C17orf105 (4.2)	C2orf53 (3.2)	C8orf12 (2.8)
0.99	>=0.20	C17orf105 (4.2)	C2orf53 (3.2)	C8orf12 (2.8)
0.99	>=0.20	TAGLN (4.4)	KANK2 (3.2)	ARHGAP1 (2.6)
0.99	>=0.20	MAP1A (4.0)	DPYSL5 (3.8)	MPP2 (3.0)
0.99	>=0.20	C2orf53 (2.6)	TDH (2.5)	ENSG00000255020 (2
0.99	>=0.20	HAPLN4 (4.0)	STRC (2.5)	EPB41L3 (2.4)
0.99	>=0.20	LINC00208 (2.5)	ENSG00000234945 (2	KLF14 (2.2)
0.99	>=0.20	LINC00208 (2.5)	ENSG00000234945 (2	KLF14 (2.2)
0.99	>=0.20	C2orf53 (3.0)	C11orf49 (2.1)	DR1 (1.9)
0.99	>=0.20	REEP1 (3.9)	MAP1A (2.7)	CCDC92 (2.7)
0.99	>=0.20	WDR76 (3.3)	BUD13 (2.5)	ENSG00000256746 (2
0.99	>=0.20	AFF1 (2.6)	CYP26A1 (2.3)	ENSG00000236827 (2
0.99	>=0.20	TRIM54 (9.4)	PACSIN3 (4.9)	TAGLN (3.1)
0.99	>=0.20	FADS1 (3.9)	FDFT1 (3.8)	PTCD3 (2.9)
0.99	>=0.20	CKAP5 (5.0)	CCDC18 (4.7)	FEN1 (4.3)
0.99	>=0.20	MYBPC3 (3.0)	FRMD5 (2.9)	ENSG00000182329 (2
0.99	>=0.20	C11orf49 (5.0)	AGBL2 (3.9)	IFT172 (3.5)
0.99	>=0.20	KRTCAP3 (2.5)	FNDC4 (2.2)	CD300LG (2.2)
0.99	>=0.20	CKAP5 (5.5)	CCDC18 (5.3)	FEN1 (4.4)
0.99	>=0.20	PBX4 (3.6)	ENSG00000223522 (2	CATSPER2 (2.0)
0.99	>=0.20	SPG11 (3.6)	HARBI1 (2.8)	SUGP1 (2.6)
0.99	>=0.20	SPG11 (2.2)	MPP3 (2.1)	PGS1 (1.9)
0.99	>=0.20	DUSP3 (2.6)	C17orf105 (2.4)	PAFAH1B2 (2.3)
0.99	>=0.20	NDUFS3 (5.1)	MRPL33 (4.7)	OST4 (3.8)
0.99	>=0.20	CATSPER2 (4.3)	STRC (2.8)	MADD (2.7)
0.99	>=0.20	SUMO1 (2.9)	ZNF335 (2.6)	MRPL33 (2.0)
0.99	>=0.20	TECTB (4.3)	FUT2 (3.9)	C1orf172 (3.5)
0.99	>=0.20	MAP1A (3.1)	TDH (2.6)	PYY (2.6)
0.99	>=0.20	MRPL33 (5.1)	OST4 (5.0)	MRPL35 (4.2)
0.99	>=0.20	C1QTNF4 (2.5)	ENSG00000182319 (1	MAPK10 (1.8)
0.99	>=0.20	MAP1A (4.1)	MPP2 (3.2)	TRNP1 (2.9)
0.99	>=0.20	PCSK7 (3.6)	PBX4 (2.9)	ZNF335 (2.8)
0.99	>=0.20	SDCBP (3.2)	DUSP3 (3.1)	CTSB (3.0)
0.99	>=0.20	C8orf49 (5.1)	ENSG00000236827 (3	GATA4 (3.5)
0.99	>=0.20	ENSG00000255020 (2	ENSG00000235545 (2	PLTP (2.4)
0.99	>=0.20	TRIM54 (3.0)	PACSIN3 (2.5)	BCL3 (2.4)
0.99	>=0.20	TRIM54 (3.0)	PACSIN3 (2.5)	BCL3 (2.4)
0.99	>=0.20	TRIM54 (3.0)	PACSIN3 (2.5)	BCL3 (2.4)
0.99	>=0.20	C2orf16 (2.8)	SIK3 (2.7)	ENSG00000200241 (2
0.99	>=0.20	LINC00208 (2.4)	ENSG00000257711 (2	C17orf105 (1.8)

0.99	>=0.20	UCN (3.4)	C1QTNF4 (3.0)	PMFBP1 (2.8)
0.99	>=0.20	MAP1A (3.7)	ENSG00000236827 (3	C11orf9 (3.0)
0.99	>=0.20	ENSG00000257711 (2	ZNF408 (2.1)	SIDT2 (2.0)
0.99	>=0.20	SLC30A3 (2.9)	MAPRE3 (2.8)	NCAN (2.5)
0.99	>=0.20	WDR76 (3.9)	CKAP5 (3.0)	FEN1 (2.8)
0.99	>=0.20	MPP2 (3.6)	SLC30A3 (3.2)	MAP1A (3.1)
0.99	>=0.20	FUT1 (3.5)	ENSG00000200241 (3	ENSG00000223745 (3
0.99	>=0.20	CAD (3.3)	FGF21 (3.1)	NOP58 (2.9)
0.99	>=0.20	CMIP (2.3)	TDH (2.3)	TXNL4B (2.2)
0.99	>=0.20	MAU2 (2.4)	SIDT2 (2.1)	DDB2 (2.0)
0.99	>=0.20	IZUMO1 (3.2)	UBXN2B (3.0)	BLK (2.7)
0.99	>=0.20	BCL7B (3.1)	C11orf9 (3.0)	PCSK7 (2.9)
0.99	>=0.20	PPY (3.3)	ENSG00000226645 (2	ZNF664 (2.6)
0.99	>=0.20	CTDSPL2 (3.6)	MFAP1 (3.2)	INTS10 (3.1)
0.99	>=0.20	MAMSTR (3.4)	MPP3 (3.1)	LPAL2 (2.6)
0.99	>=0.20	FUT1 (3.4)	SPG11 (3.1)	ENSG00000200241 (3
0.99	>=0.20	FUT1 (3.4)	SPG11 (3.1)	ENSG00000200241 (3
0.99	>=0.20	ENSG00000256746 (2	ABO (2.4)	C1QTNF4 (2.4)
0.99	>=0.20	CHMP3 (4.0)	CCDC121 (3.0)	LPAL2 (2.9)
0.99	>=0.20	MRPL33 (5.3)	OST4 (4.4)	MRPL35 (3.9)
0.99	>=0.20	MYBPC3 (4.8)	GATA4 (3.7)	TRIM54 (3.7)
0.99	>=0.20	GPN2 (3.7)	NRBF2 (3.2)	ZNF513 (3.2)
0.99	>=0.20	FUT2 (2.7)	RFX4 (2.3)	ENSG00000256746 (2
0.99	>=0.20	LINC00208 (3.4)	IZUMO1 (2.2)	FAM167A (2.1)
0.99	>=0.20	LINC00208 (3.4)	IZUMO1 (2.2)	FAM167A (2.1)
0.99	>=0.20	BCL7B (3.1)	KBTBD4 (3.0)	SUMO1 (2.4)
0.99	>=0.20	HAPLN4 (4.4)	REEP3 (2.6)	PYY (2.5)
0.99	>=0.20	KBTBD4 (2.6)	BUD13 (2.3)	C11orf9 (2.3)
0.99	>=0.20	MRPL35 (3.3)	C17orf105 (3.1)	ATG4C (2.8)
0.99	>=0.20	AGBL5 (2.9)	DNAJC5G (2.3)	PLA2G6 (2.0)
0.99	>=0.20	USP1 (3.1)	DR1 (3.0)	MTF2 (2.7)
0.99	>=0.20	BLK (4.7)	PBX4 (2.8)	GMIP (2.8)
0.99	>=0.20	CKAP5 (4.8)	CCDC18 (3.4)	FEN1 (3.3)
0.99	>=0.20	PAFAH1B2 (3.5)	CCDC18 (3.4)	ENSG00000222035 (3
0.99	>=0.20	BRE (2.7)	ABHD1 (2.0)	MPV17 (2.0)
0.99	>=0.20	BCL7B (2.8)	DUSP3 (2.8)	CHMP3 (2.7)
0.99	>=0.20	MPP2 (2.9)	SLC30A3 (2.8)	MPP3 (2.7)
0.99	>=0.20	MPP2 (2.9)	SLC30A3 (2.8)	MPP3 (2.7)
0.99	>=0.20	MPP2 (2.9)	SLC30A3 (2.8)	MPP3 (2.7)
0.99	>=0.20	LINC00208 (3.4)	IZUMO1 (2.2)	FAM167A (2.1)
1	>=0.20	IZUMO1 (3.4)	ENSG00000255020 (2	ENSG00000236827 (2
1	>=0.20	MAPK10 (2.3)	C1QTNF4 (2.0)	STRC (1.9)
1	>=0.20	DNAJC5G (2.5)	AGBL5 (2.3)	CASC4 (1.9)
1	>=0.20	CCDC18 (5.9)	CKAP5 (4.9)	IFT172 (3.0)
1	>=0.20	CCDC18 (4.7)	CKAP5 (2.9)	LINC00208 (2.6)
1	>=0.20	CCDC18 (4.7)	CKAP5 (2.9)	LINC00208 (2.6)
1	>=0.20	SLC30A3 (3.7)	NCAN (2.5)	HAPLN4 (2.1)
1	>=0.20	CATSPER2 (3.3)	MADD (3.1)	MPP3 (2.7)
1	>=0.20	BRE (3.0)	ABHD1 (2.3)	TECTB (2.1)
1	>=0.20	MPP2 (3.0)	SLC30A3 (2.7)	SLC22A3 (2.6)

1	>=0.20	MPP2 (3.0)	SLC30A3 (2.7)	SLC22A3 (2.6)
1	>=0.20	DPYSL5 (3.7)	NCAN (3.5)	G6PC3 (2.6)
1	>=0.20	HAVCR1 (2.7)	CKAP5 (2.7)	IMMT (2.0)
1	>=0.20	MRPL35 (3.2)	DHODH (2.9)	PTPMT1 (2.6)
1	>=0.20	MAPK10 (3.2)	SLC30A3 (2.9)	NCAN (2.7)
1	>=0.20	C11orf49 (3.0)	NCAN (2.4)	C1QTNF4 (2.0)
1	>=0.20	FEN1 (5.1)	USP1 (4.9)	WDR76 (4.4)
1	>=0.20	CKAP5 (4.8)	DPYSL5 (3.8)	LPAR2 (3.6)
1	>=0.20	MAP1A (5.2)	MPP2 (4.5)	MADD (3.2)
1	>=0.20	OST4 (4.6)	ENSG00000223522 (3	ENSG00000257711 (2
1	>=0.20	PBX4 (3.6)	ENSG00000234945 (2	ENSG00000236267 (2
1	>=0.20	DNAJC5G (4.3)	AGBL5 (2.3)	DR1 (1.9)
1	>=0.20	CKAP5 (3.0)	FRMD5 (2.9)	MAP1A (2.4)
1	>=0.20	TECTB (11.1)	STRC (4.9)	FZD9 (3.5)
1	>=0.20	MPP2 (3.6)	MAP1A (3.2)	MADD (2.6)
1	>=0.20	MPP2 (2.9)	SLC22A3 (2.6)	CD300LG (2.6)
1	>=0.20	CTSB (3.2)	TMEM101 (2.8)	MPV17 (2.7)
1	>=0.20	TRIM54 (5.4)	MYBPC3 (4.9)	PACSIN3 (4.3)
1	>=0.20	WDR76 (5.4)	FEN1 (4.3)	BAZ1B (3.4)
1	>=0.20	CETP (2.0)	SUMO1 (1.9)	SDCBP (1.9)
1	>=0.20	TDH (2.6)	PBX4 (2.2)	ENSG00000236827 (2
1	>=0.20	LINC00208 (2.2)	SPG11 (1.9)	PBX4 (1.9)
1	>=0.20	CSGALNACT1 (3.2)	MPP2 (2.7)	MADD (2.6)
1	>=0.20	TAGLN (5.0)	EMILIN1 (2.8)	FUT2 (2.2)
1	>=0.20	FUT2 (4.5)	REEP1 (3.0)	TRNP1 (2.6)
1	>=0.20	NEIL2 (3.1)	PBX4 (2.5)	MTMR9 (2.3)
1	>=0.20	ENSG00000182329 (2	ENSG00000256746 (2	DNAH10 (2.1)
1	>=0.20	C8orf12 (1.8)	C11orf49 (1.8)	GPAM (1.7)
1	>=0.20	SOST (3.4)	MPP3 (2.2)	DPYSL5 (1.7)
1	>=0.20	C17orf105 (7.0)	TSSK6 (5.4)	DNAJC5G (5.2)
1	>=0.20	C17orf105 (7.0)	TSSK6 (5.4)	DNAJC5G (5.2)
1	>=0.20	ENSG00000182329 (2	ABO (2.2)	ENSG00000256746 (2
1	>=0.20	CCDC18 (5.6)	CKAP5 (5.0)	FEN1 (4.1)
1	>=0.20	CKAP5 (5.0)	CCDC18 (4.9)	FEN1 (4.5)
1	>=0.20	PDIA3 (4.8)	LINC00208 (4.6)	TP53BP1 (2.9)
1	>=0.20	ENSG00000256746 (2	KHK (2.6)	ENSG00000255020 (2
1	>=0.20	MAP1A (4.0)	DPYSL5 (3.7)	REEP1 (2.7)
1	>=0.20	MAMSTR (3.7)	MPP3 (3.0)	LPAL2 (2.5)
1	>=0.20	SLC30A3 (4.3)	MADD (3.2)	MPP2 (2.7)
1	>=0.20	TMED5 (3.3)	CCDC18 (2.5)	PAFAH1B2 (2.4)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.1)	FEN1 (4.0)
1	>=0.20	PMFBP1 (2.8)	C2orf53 (2.8)	ENSG00000235545 (2
1	>=0.20	ENSG00000179523 (4	KBTBD4 (2.6)	DDB2 (2.4)
1	>=0.20	ENSG00000179523 (4	KBTBD4 (2.6)	DDB2 (2.4)
1	>=0.20	TUBGCP4 (2.6)	CASC4 (2.4)	CCDC18 (2.4)
1	>=0.20	MAMSTR (3.5)	EMILIN1 (2.8)	PYY (2.6)
1	>=0.20	SPG11 (4.5)	SUGP1 (4.2)	TMEM214 (3.6)
1	>=0.20	TRIM54 (2.5)	MPP3 (2.3)	STRC (2.1)
1	>=0.20	CKAP5 (5.3)	CCDC18 (5.3)	FEN1 (4.2)
1	>=0.20	BRE (1.9)	LINC00208 (1.9)	C8orf12 (1.8)

1	>=0.20	ENSG00000235545 (2	C11orf9 (2.1)	C17orf105 (1.8)
1	>=0.20	PPY (6.5)	UCN (2.3)	MAPK10 (2.2)
1	>=0.20	GPN2 (4.5)	NRBF2 (3.5)	MTF2 (3.2)
1	>=0.20	DDB2 (2.6)	EIF2B4 (2.3)	KBTBD4 (2.2)
1	>=0.20	CKAP5 (3.6)	FEN1 (3.0)	WDR76 (2.8)
1	>=0.20	ENSG00000182329 (2	ABO (2.1)	DNAH10 (2.1)
1	>=0.20	CKAP5 (4.4)	DPYSL5 (4.0)	CCDC18 (3.3)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	RASIP1 (3.2)	DOCK6 (2.2)	IFT172 (2.1)
1	>=0.20	MAP1A (3.3)	C1QTNF4 (3.0)	TRNP1 (2.8)
1	>=0.20	MAP1A (4.6)	DPYSL5 (3.7)	MPP2 (3.5)
1	>=0.20	ENSG00000182329 (2	ACP2 (2.1)	CATSPER2 (1.9)
1	>=0.20	DDB2 (3.0)	MTCH2 (2.2)	ZNF512 (2.0)
1	>=0.20	MPV17 (3.1)	ENSG00000223745 (3	DDB2 (2.3)
1	>=0.20	DPYSL5 (3.4)	MAP1A (3.2)	MPP2 (3.1)
1	>=0.20	TRIM54 (5.4)	MYBPC3 (3.7)	PACSIN3 (3.2)
1	>=0.20	SDCBP (2.6)	DR1 (2.4)	HAVCR1 (2.3)
1	>=0.20	KBTBD4 (3.3)	ARID1A (3.2)	MTF2 (3.1)
1	>=0.20	CKAP5 (4.8)	CCDC18 (4.6)	FEN1 (4.1)
1	>=0.20	C1QTNF4 (4.1)	NCAN (4.0)	MAPK10 (2.8)
1	>=0.20	MAP1A (3.7)	C11orf9 (3.0)	ENSG00000236827 (2
1	>=0.20	LPAR2 (3.5)	LSM12 (2.3)	ENSG00000255020 (2
1	>=0.20	CKAP5 (4.8)	CCDC18 (4.6)	FEN1 (4.5)
1	>=0.20	MPP2 (3.1)	C1QTNF4 (2.8)	SLC22A3 (2.7)
1	>=0.20	MRPL33 (4.7)	MRPL35 (4.4)	OST4 (4.3)
1	>=0.20	MRPL35 (2.6)	KBTBD4 (2.5)	NR1H3 (2.1)
1	>=0.20	MRPL35 (2.6)	KBTBD4 (2.5)	NR1H3 (2.1)
1	>=0.20	SLC30A3 (4.3)	TRIM54 (3.3)	MAPRE3 (2.7)
1	>=0.20	CCDC18 (3.8)	USP1 (3.7)	WDR76 (3.3)
1	>=0.20	NCAN (2.3)	ENSG00000200241 (2	CHMP3 (2.0)
1	>=0.20	CTDSPL2 (2.7)	WDR76 (2.6)	USP1 (2.6)
1	>=0.20	CTDSPL2 (2.7)	WDR76 (2.6)	USP1 (2.6)
1	>=0.20	MPP3 (4.0)	HAPLN4 (3.5)	MAPRE3 (2.3)
1	>=0.20	CCDC18 (5.6)	CKAP5 (5.0)	FEN1 (4.2)
1	>=0.20	BLK (2.6)	NFE2L3 (2.5)	PCSK7 (2.1)
1	>=0.20	DDB2 (3.6)	CKAP5 (3.3)	USP1 (3.0)
1	>=0.20	MAP1A (4.0)	DPYSL5 (3.6)	MPP2 (3.4)
1	>=0.20	OST4 (3.1)	MRPL33 (2.7)	NDUFS3 (2.3)
1	>=0.20	C8orf12 (4.4)	ENSG00000255020 (4	ENSG00000236267 (2
1	>=0.20	CCDC18 (3.9)	CKAP5 (3.2)	BUD13 (3.1)
1	>=0.20	NCAN (6.4)	SLC30A3 (3.9)	ENSG00000182329 (2
1	>=0.20	STRC (3.8)	DNAH10 (2.5)	ENSG00000256731 (2
1	>=0.20	STRC (3.8)	DNAH10 (2.5)	ENSG00000256731 (2
1	>=0.20	CKAP5 (5.6)	CCDC18 (5.4)	FEN1 (4.3)
1	>=0.20	PDIA3 (7.6)	BCAM (4.0)	CLPTM1 (3.2)
1	>=0.20	MAMSTR (4.1)	MPP3 (3.1)	MAP1A (2.7)
1	>=0.20	CKAP5 (4.5)	CCDC18 (4.3)	FEN1 (4.2)
1	>=0.20	DDB2 (3.3)	CCDC18 (3.0)	ZNF512 (3.0)
1	>=0.20	SUMO1 (2.5)	MRPL33 (2.4)	ZNF335 (2.1)
1	>=0.20	TSSK6 (3.3)	KRTCAP3 (2.9)	TMED5 (2.7)

1	>=0.20	RFX4 (3.1)	DPYSL5 (2.8)	PPY (2.2)
1	>=0.20	MPP3 (3.5)	BUD13 (3.0)	CASC4 (1.9)
1	>=0.20	MAP1A (3.4)	NCAN (3.4)	C1QTNF4 (3.1)
1	>=0.20	CKAP5 (5.7)	CCDC18 (5.4)	FEN1 (4.2)
1	>=0.20	CSGALNACT1 (3.1)	MADD (2.7)	MPP2 (2.6)
1	>=0.20	MPP2 (3.5)	MPP3 (3.3)	C1QTNF4 (2.9)
1	>=0.20	MADD (4.1)	MPP2 (3.7)	HAPLN4 (3.3)
1	>=0.20	TRIM54 (9.9)	PACSIN3 (5.0)	MYBPC3 (4.2)
1	>=0.20	DDB2 (2.5)	TP53BP1 (2.3)	KDM3A (1.9)
1	>=0.20	C1QTNF4 (2.5)	MAPK10 (2.4)	CATSPER2 (2.4)
1	>=0.20	WDR76 (5.0)	CTDSPL2 (4.6)	BAZ1B (4.2)
1	>=0.20	C8orf49 (2.7)	FNDC4 (2.5)	ABO (2.0)
1	>=0.20	ENSG00000255020 (2	TECTB (2.5)	BCL7B (1.9)
1	>=0.20	MAP1A (3.6)	C11orf9 (3.2)	ENSG00000236827 (3
1	>=0.20	MAP1A (3.6)	C11orf9 (3.2)	ENSG00000236827 (3
1	>=0.20	CCDC18 (5.8)	CKAP5 (5.1)	FEN1 (4.5)
1	>=0.20	CCDC18 (4.9)	CKAP5 (4.9)	FEN1 (4.6)
1	>=0.20	MFAP1 (4.2)	CCDC18 (3.6)	WDR76 (3.3)
1	>=0.20	MAMSTR (3.3)	C1QTNF4 (3.2)	MPP3 (3.0)
1	>=0.20	C8orf49 (3.6)	ENSG00000223745 (2	FRMD5 (2.5)
1	>=0.20	BCL7B (5.6)	USP1 (2.8)	KBTBD4 (2.7)
1	>=0.20	SUMO1 (3.3)	CCDC121 (2.9)	TXNL4B (2.6)
1	>=0.20	MAP1A (3.5)	TRNP1 (3.0)	EPB41L3 (2.7)
1	>=0.20	SLC30A3 (4.5)	NCAN (3.3)	ENSG00000182329 (3
1	>=0.20	MAPRE3 (3.5)	CATSPER2 (2.8)	MAMSTR (2.7)
1	>=0.20	NCAN (4.6)	C8orf12 (2.2)	KRTCAP3 (2.0)
1	>=0.20	NCAN (4.6)	C8orf12 (2.2)	KRTCAP3 (2.0)
1	>=0.20	CTDSPL2 (3.4)	MFAP1 (3.0)	ENSG00000226645 (2
1	>=0.20	REEP3 (3.0)	PAFAH1B2 (3.0)	TUBGCP4 (2.8)
1	>=0.20	BCL7B (3.1)	SUMO1 (2.5)	TP53BP1 (2.2)
1	>=0.20	IMMT (3.1)	TRIM54 (2.9)	HAVCR1 (2.7)
1	>=0.20	CKAP5 (5.4)	CCDC18 (4.5)	FEN1 (4.2)
1	>=0.20	PAFAH1B2 (3.5)	BCL7B (3.4)	GPN1 (3.2)
1	>=0.20	ENSG00000223522 (4	SPG11 (2.9)	JMJD1C (2.6)
1	>=0.20	FUT2 (3.4)	MAMSTR (3.3)	C8orf12 (2.6)
1	>=0.20	MAP1A (4.4)	DPYSL5 (3.2)	MPP2 (3.1)
1	>=0.20	MYBPC3 (5.3)	FRMD5 (4.9)	C8orf49 (4.5)
1	>=0.20	C1QTNF4 (2.6)	TSSK6 (2.5)	SLC30A3 (2.3)
1	>=0.20	WDR76 (4.6)	CTDSPL2 (3.4)	DDB2 (3.3)
1	>=0.20	TXNL4B (2.9)	DHX38 (2.8)	NOP58 (2.7)
1	>=0.20	STRC (3.4)	SLC30A3 (2.2)	ZNF408 (2.0)
1	>=0.20	AFF1 (2.1)	UCN (1.9)	ENSG00000223522 (1
1	>=0.20	WDR76 (5.1)	FEN1 (4.1)	BAZ1B (3.4)
1	>=0.20	BAZ1B (3.6)	CTDSPL2 (3.4)	WDR76 (2.9)
1	>=0.20	CTDSPL2 (2.4)	ENSG00000256746 (2	BAZ1B (2.3)
1	>=0.20	C1QTNF4 (3.1)	MPP3 (2.8)	NCAN (2.8)
1	>=0.20	C8orf12 (2.8)	ENSG00000255020 (2	ABHD1 (2.4)
1	>=0.20	CKAP5 (5.1)	CCDC18 (4.7)	FEN1 (4.2)
1	>=0.20	SOST (3.5)	ENSG00000234945 (2	ABO (2.2)
1	>=0.20	NSMAF (2.4)	C8orf12 (2.2)	ENSG00000223745 (2

1	>=0.20	ABO (2.6)	MADD (2.6)	HAPLN4 (2.3)
1	>=0.20	MAP1A (3.9)	MPP2 (3.9)	DPYSL5 (2.9)
1	>=0.20	NDUFS3 (3.8)	OST4 (3.1)	MTCH2 (3.0)
1	>=0.20	BCL7B (3.9)	C17orf105 (2.3)	KBTBD4 (2.3)
1	>=0.20	C2orf53 (4.2)	C8orf12 (3.4)	ENSG00000235545 (3
1	>=0.20	C2orf53 (4.2)	C8orf12 (3.4)	ENSG00000235545 (3
1	>=0.20	C1QTNF4 (5.3)	ENSG00000236827 (3	HAPLN4 (3.0)
1	>=0.20	DPYSL5 (3.6)	ENSG00000235545 (2	ENSG00000179523 (2
1	>=0.20	TRIM54 (7.6)	PACSIN3 (3.4)	TAGLN (2.2)
1	>=0.20	CATSPER2 (3.8)	CCDC121 (3.7)	CHMP3 (2.8)
1	>=0.20	DNAJC5G (2.0)	PCSK7 (1.9)	TMEM175 (1.7)
1	>=0.20	ZNF259 (3.0)	PTCD3 (2.8)	SUMO1 (2.5)
1	>=0.20	TRIM54 (9.5)	PACSIN3 (4.9)	MYBPC3 (3.5)
1	>=0.20	PDIA3 (7.4)	NCAN (3.3)	TBL2 (2.7)
1	>=0.20	ATG13 (4.4)	SPG11 (3.9)	ENSG00000223745 (3
1	>=0.20	CGREF1 (4.8)	CILP2 (2.8)	PCSK7 (2.5)
1	>=0.20	C11orf49 (2.4)	ENSG00000236827 (2	AFF1 (2.2)
1	>=0.20	WDR76 (3.5)	CTDSPL2 (3.0)	ZNF512 (3.0)
1	>=0.20	TP53BP1 (2.8)	EIF3J (2.2)	SUMO1 (1.9)
1	>=0.20	MPP2 (2.8)	MAP1A (2.6)	C11orf49 (2.5)
1	>=0.20	MAP1A (3.9)	MPP2 (3.8)	DPYSL5 (3.4)
1	>=0.20	PAFAH1B2 (3.5)	TRNP1 (2.9)	IFT172 (2.5)
1	>=0.20	MPP3 (2.6)	ENSG00000257711 (2	MAMSTR (2.2)
1	>=0.20	MAP1A (2.8)	TRNP1 (2.7)	NCAN (2.7)
1	>=0.20	MAPRE3 (3.8)	MPP3 (3.7)	SLC30A3 (2.8)
1	>=0.20	NCAN (3.7)	C1QTNF4 (2.9)	MAP1A (2.6)
1	>=0.20	C1QTNF4 (2.4)	DNAH10 (2.2)	ENSG00000253379 (2
1	>=0.20	MPP3 (3.6)	SLC30A3 (3.4)	MAPRE3 (2.6)
1	>=0.20	WDR76 (4.4)	CTDSPL2 (4.0)	DDB2 (3.4)
1	>=0.20	SLC30A3 (2.8)	C1QTNF4 (2.7)	CELF1 (2.5)
1	>=0.20	MPP2 (3.8)	NCAN (3.7)	SLC30A3 (2.8)
1	>=0.20	MAPRE3 (2.9)	TP53BP1 (2.6)	DPYSL5 (2.5)
1	>=0.20	NCAN (5.1)	MPP2 (3.2)	TRNP1 (3.0)
1	>=0.20	TXNL4B (3.2)	SUMO1 (2.7)	MRPL33 (2.6)
1	>=0.20	ENSG00000182329 (2	TRNP1 (2.6)	ENSG00000257711 (2
1	>=0.20	MYBPC3 (3.0)	C8orf49 (2.8)	MPP2 (2.7)
1	>=0.20	ENSG00000257711 (2	ZNF408 (2.2)	TP53BP1 (2.1)
1	>=0.20	FEN1 (5.4)	USP1 (5.1)	WDR76 (4.8)
1	>=0.20	FEN1 (5.4)	USP1 (5.1)	WDR76 (4.8)
1	>=0.20	ENSG00000222035 (3	NCAN (3.0)	MPP3 (2.8)
1	>=0.20	TRIM54 (5.0)	MYBPC3 (4.8)	FRMD5 (3.7)
1	>=0.20	NEIL2 (2.1)	FUT2 (1.9)	ANGPTL4 (1.7)
1	>=0.20	KHK (4.0)	LPAL2 (2.7)	HAVCR1 (2.1)
1	>=0.20	CTDSPL2 (4.5)	WDR76 (3.8)	MFAP1 (3.2)
1	>=0.20	PYY (2.4)	FNDC4 (2.2)	GCKR (2.1)
1	>=0.20	ENSG00000223522 (2	C11orf49 (2.2)	RSPO3 (2.2)
1	>=0.20	MAPK10 (3.1)	SLC30A3 (3.0)	C1QTNF4 (2.6)
1	>=0.20	MPP2 (3.6)	MAPK10 (3.4)	HAPLN4 (3.3)
1	>=0.20	HAPLN4 (4.9)	C1QTNF4 (3.2)	MAPK10 (2.8)
1	>=0.20	ENSG00000222035 (2	ENSG00000182329 (2	DNAH10 (2.5)

1	>=0.20	CCDC18 (5.0)	PCSK7 (3.5)	ENSG00000222035 (3
1	>=0.20	NCAN (4.1)	C8orf12 (2.3)	ENSG00000255020 (2
1	>=0.20	C1QTNF4 (3.6)	DPYSL5 (3.4)	MPP2 (2.9)
1	>=0.20	CCDC18 (5.5)	CKAP5 (4.7)	C11orf49 (3.3)
1	>=0.20	FRMD5 (2.6)	MPP3 (2.4)	TSSK6 (2.0)
1	>=0.20	SLC30A3 (4.1)	HAPLN4 (3.5)	MPP2 (3.3)
1	>=0.20	MAP1A (3.7)	C11orf9 (2.7)	FRMD5 (2.6)
1	>=0.20	C17orf105 (6.8)	C2orf53 (5.9)	PMFBP1 (5.3)
1	>=0.20	PPM1G (3.1)	DHX38 (2.5)	NRBP1 (2.4)
1	>=0.20	HAPLN4 (3.9)	MPP3 (3.3)	MADD (3.3)
1	>=0.20	TRIM54 (3.7)	KANK2 (3.6)	MAMSTR (3.0)
1	>=0.20	PLTP (2.3)	FNDC4 (2.3)	CCDC121 (1.9)
1	>=0.20	CTDSPL2 (3.8)	BAZ1B (3.8)	WDR76 (3.0)
1	>=0.20	MRPL33 (5.0)	OST4 (4.7)	MRPL35 (4.3)
1	>=0.20	MRPL33 (5.0)	OST4 (4.7)	MRPL35 (4.3)
1	>=0.20	C2orf16 (2.8)	KLF14 (2.5)	RFX4 (2.3)
1	>=0.20	MPP2 (3.7)	NCAN (3.5)	TRNP1 (3.4)
1	>=0.20	CCDC121 (2.2)	HARBI1 (2.0)	ZNF408 (1.9)
1	>=0.20	MAP1A (3.7)	MPP2 (3.3)	DPYSL5 (3.2)
1	>=0.20	NEIL2 (3.6)	ENSG00000200241 (2	MTMR9 (2.5)
1	>=0.20	CCDC18 (4.7)	CCDC121 (2.7)	TP53BP1 (2.7)
1	>=0.20	MAMSTR (3.4)	MPP3 (3.0)	TRIM54 (3.0)
1	>=0.20	DNAJC5G (3.6)	CCDC18 (3.5)	CASC4 (1.8)
1	>=0.20	TRIM54 (8.9)	PACSIN3 (4.7)	MYBPC3 (4.3)
1	>=0.20	LINC00208 (2.8)	FGF21 (2.7)	ZDHHC18 (2.5)
1	>=0.20	LINC00208 (2.8)	FGF21 (2.7)	ZDHHC18 (2.5)
1	>=0.20	DNAJC5G (3.5)	CCDC18 (2.5)	CASC4 (2.1)
1	>=0.20	CCDC121 (2.8)	NEIL2 (2.7)	CCDC18 (2.4)
1	>=0.20	MYBPC3 (3.1)	ENSG00000236827 (2	ENSG00000222035 (2
1	>=0.20	SLC30A3 (3.1)	MPP2 (3.0)	MAP1A (2.8)
1	>=0.20	SUMO1 (2.9)	TXNL4B (2.9)	MRPL33 (2.7)
1	>=0.20	SLC30A3 (4.6)	TRIM54 (2.9)	MPP2 (2.9)
1	>=0.20	WDR76 (4.5)	CTDSPL2 (3.4)	DDB2 (3.3)
1	>=0.20	TRIM54 (4.5)	MYBPC3 (4.3)	FRMD5 (3.5)
1	>=0.20	MAP1A (4.0)	MPP2 (3.9)	DPYSL5 (3.1)
1	>=0.20	TRIM54 (6.6)	TAGLN (4.3)	PACSIN3 (3.2)
1	>=0.20	ENSG00000235545 (3	DNAJC5G (3.0)	ENSG00000222035 (2
1	>=0.20	NCAN (3.0)	SLC30A3 (2.9)	MAPRE3 (2.8)
1	>=0.20	HAVCR1 (3.1)	IMMT (3.0)	KDM3A (2.8)
1	>=0.20	NCAN (3.4)	MPP2 (3.4)	MPP3 (3.1)
1	>=0.20	MPV17 (3.1)	SPG11 (3.1)	SUGP1 (2.8)
1	>=0.20	FEN1 (5.0)	USP1 (3.8)	WDR76 (3.3)
1	>=0.20	WDR76 (3.7)	CTDSPL2 (3.4)	ZNF512 (2.9)
1	>=0.20	MAP1A (3.7)	DPYSL5 (3.4)	MPP2 (2.8)
1	>=0.20	CKAP5 (5.3)	CCDC18 (4.8)	FEN1 (4.5)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.1)	FEN1 (4.4)
1	>=0.20	IZUMO1 (2.4)	PTPMT1 (2.2)	SPG11 (2.1)
1	>=0.20	DNAH10 (3.2)	ENSG00000182329 (3	C8orf12 (2.9)
1	>=0.20	BCL7B (3.7)	PCIF1 (3.4)	KBTBD4 (3.3)
1	>=0.20	ENSG00000182319 (2	DDB2 (2.2)	PBX4 (2.1)

1	>=0.20	ENSG00000222035 (2	TRNP1 (2.7)	C11orf49 (2.4)
1	>=0.20	SLC30A3 (3.9)	BMPR2 (2.9)	CHMP3 (2.7)
1	>=0.20	MAPK10 (3.6)	MPP2 (3.5)	HAPLN4 (3.2)
1	>=0.20	OST4 (3.7)	TDH (2.5)	MRPL33 (2.5)
1	>=0.20	TSSK6 (3.5)	MPP3 (2.8)	CATSPER2 (2.5)
1	>=0.20	BAZ1B (3.9)	PLA2G6 (2.7)	AMBRA1 (2.5)
1	>=0.20	MAP1A (5.5)	MPP2 (3.6)	DPYSL5 (3.1)
1	>=0.20	CCDC18 (4.9)	CCDC121 (3.3)	UBXN2B (3.3)
1	>=0.20	TRIM54 (5.7)	TAGLN (3.4)	PACSIN3 (2.6)
1	>=0.20	MAP1A (2.6)	MAPRE3 (2.4)	C11orf9 (2.4)
1	>=0.20	TRIM54 (9.3)	PACSIN3 (4.8)	TAGLN (3.2)
1	>=0.20	CCDC18 (5.6)	CASC4 (3.0)	SUMO1 (2.9)
1	>=0.20	ENSG00000255020 (2	UBXN2B (2.7)	ENSG00000222035 (2
1	>=0.20	KANK2 (3.0)	MAMSTR (2.8)	SOST (2.7)
1	>=0.20	FEN1 (6.4)	WDR76 (5.6)	USP1 (4.9)
1	>=0.20	KANK2 (3.6)	MAMSTR (3.2)	REEP1 (2.9)
1	>=0.20	SUMO1 (2.8)	PAFAH1B2 (2.1)	PPIP5K1 (1.9)
1	>=0.20	MPP2 (3.0)	REEP1 (2.8)	SUPT7L (2.7)
1	>=0.20	CCDC18 (4.2)	CKAP5 (3.5)	BUD13 (3.0)
1	>=0.20	CCDC18 (4.2)	CKAP5 (3.5)	BUD13 (3.0)
1	>=0.20	PIGV (3.2)	KBTBD4 (3.1)	BCL7B (3.0)
1	>=0.20	CCDC18 (4.6)	TP53BP1 (3.1)	ENSG00000223522 (3
1	>=0.20	SLC22A3 (2.7)	NCAN (2.6)	MAPK10 (2.1)
1	>=0.20	ENSG00000200241 (2	MFAP1 (2.2)	ENSG00000236267 (2
1	>=0.20	CCDC18 (5.2)	CKAP5 (4.9)	FEN1 (4.5)
1	>=0.20	LINC00208 (3.9)	PPY (2.8)	NFE2L3 (1.8)
1	>=0.20	CKAP5 (5.6)	CCDC18 (3.4)	FEN1 (2.8)
1	>=0.20	TRIM54 (5.1)	MAMSTR (3.9)	PACSIN3 (3.5)
1	>=0.20	MTF2 (3.1)	DR1 (2.7)	BUD13 (2.5)
1	>=0.20	MPP3 (3.0)	DUSP3 (2.3)	DOCK6 (2.2)
1	>=0.20	AGBL2 (4.4)	C11orf49 (3.3)	FRMD5 (3.1)
1	>=0.20	AGBL2 (5.5)	IFT172 (5.0)	C11orf49 (3.2)
1	>=0.20	MAP1A (4.3)	MPP2 (3.3)	DPYSL5 (3.1)
1	>=0.20	GMIP (3.4)	CHMP3 (3.0)	CMIP (2.9)
1	>=0.20	AGBL2 (6.2)	C17orf105 (4.9)	TSSK6 (4.1)
1	>=0.20	MAP1A (3.9)	MPP2 (3.2)	DPYSL5 (3.1)
1	>=0.20	CKAP5 (5.1)	FEN1 (4.4)	USP1 (4.0)
1	>=0.20	CCDC18 (5.1)	CKAP5 (4.9)	FEN1 (4.4)
1	>=0.20	PLTP (2.2)	ENSG00000235545 (2	MPP2 (1.8)
1	>=0.20	CCDC18 (5.0)	CKAP5 (4.8)	FEN1 (4.6)
1	>=0.20	HAPLN4 (3.1)	C1QTNF4 (2.1)	MAPK10 (1.9)
1	>=0.20	CKAP5 (4.9)	CCDC18 (4.7)	FEN1 (4.1)
1	>=0.20	TRNP1 (2.9)	UCN (2.4)	DPYSL5 (2.2)
1	>=0.20	C11orf49 (3.4)	AGBL2 (2.5)	GCKR (2.1)
1	>=0.20	MAPK10 (2.4)	CSGALNACT1 (2.0)	ENSG00000255020 (1
1	>=0.20	HAPLN4 (3.8)	KHK (3.6)	SLC30A3 (3.2)
1	>=0.20	TP53BP1 (3.3)	SPG11 (2.6)	LINC00208 (2.4)
1	>=0.20	DNAH10 (2.8)	DNAJC5G (2.8)	ENSG00000236827 (2
1	>=0.20	OST4 (3.1)	MRPL33 (2.7)	PPIP5K1 (2.3)
1	>=0.20	LINC00208 (2.1)	MAU2 (1.9)	STRC (1.8)

1	>=0.20	LSM12 (2.5)	MFAP1 (2.1)	MPP2 (2.0)
1	>=0.20	MPP3 (4.5)	CD300LG (2.4)	ENSG00000182329 (2
1	>=0.20	C1QTNF4 (3.3)	PMFBP1 (2.8)	TRNP1 (2.4)
1	>=0.20	MPP2 (3.7)	MAPK10 (3.2)	HAPLN4 (3.1)
1	>=0.20	TXNL4B (3.1)	SUMO1 (3.0)	C2orf16 (2.9)
1	>=0.20	CCDC18 (5.5)	FEN1 (3.4)	USP1 (3.1)
1	>=0.20	CCDC18 (5.5)	FEN1 (3.4)	USP1 (3.1)
1	>=0.20	C2orf16 (3.5)	NCAN (3.0)	ABO (2.5)
1	>=0.20	WDR76 (4.0)	CTDSPL2 (3.6)	MFAP1 (2.8)
1	>=0.20	C11orf49 (3.0)	RFX4 (2.5)	SLC30A3 (2.2)
1	>=0.20	C17orf105 (5.2)	C2orf53 (4.7)	PMFBP1 (3.8)
1	>=0.20	AGBL5 (1.7)	FAM167A (1.7)	MAU2 (1.7)
1	>=0.20	CKAP5 (3.4)	CCDC18 (3.0)	WDR76 (2.7)
1	>=0.20	DDB2 (3.3)	ZNF512 (3.1)	WDR76 (3.0)
1	>=0.20	MPP2 (3.2)	SLC22A3 (2.8)	C1QTNF4 (2.6)
1	>=0.20	MPP2 (3.2)	SLC22A3 (2.8)	C1QTNF4 (2.6)
1	>=0.20	SUPT7L (3.3)	RIC8B (2.7)	DDB2 (2.4)
1	>=0.20	CKAP5 (4.9)	CCDC18 (4.9)	FEN1 (4.5)
1	>=0.20	ENSG00000182329 (3	MAP1A (2.2)	NCAN (2.2)
1	>=0.20	MRPL33 (5.2)	OST4 (4.8)	MRPL35 (4.3)
1	>=0.20	CGREF1 (3.8)	PCSK7 (3.5)	ENSG00000257711 (2
1	>=0.20	AGBL2 (4.2)	TP53BP1 (3.2)	CKAP5 (3.2)
1	>=0.20	KHK (3.3)	ENSG00000257711 (2	ENSG00000235545 (2
1	>=0.20	NCAN (5.2)	C1QTNF4 (3.2)	ENSG00000182329 (2
1	>=0.20	TP53BP1 (3.3)	ENSG00000236267 (2	PBX4 (2.6)
1	>=0.20	ZNF259 (3.3)	NOP58 (2.9)	EIF3J (2.7)
1	>=0.20	TRIM54 (8.8)	MYBPC3 (6.1)	PACSIN3 (5.0)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.1)	FEN1 (4.4)
1	>=0.20	C1QTNF4 (2.9)	STRC (2.7)	MAP1A (2.6)
1	>=0.20	MPP2 (3.2)	SLC22A3 (2.7)	C1QTNF4 (2.7)
1	>=0.20	WDR76 (4.5)	CTDSPL2 (3.3)	DDB2 (3.3)
1	>=0.20	ENSG00000223522 (3	MPP3 (3.0)	FNBP4 (2.4)
1	>=0.20	CCDC18 (3.8)	FEN1 (3.6)	USP1 (3.4)
1	>=0.20	MRPL33 (2.7)	ENSG00000223745 (2	PTCD3 (2.1)
1	>=0.20	NUP160 (2.5)	BCL7B (2.4)	DR1 (2.3)
1	>=0.20	C17orf105 (2.7)	CCDC18 (2.6)	SUMO1 (2.2)
1	>=0.20	MAP1A (4.0)	MPP2 (3.6)	NCAN (2.8)
1	>=0.20	ENSG00000223522 (3	KRTCAP3 (2.5)	ENSG00000222035 (2
1	>=0.20	MAMSTR (2.9)	PMFBP1 (2.8)	ENSG00000200241 (2
1	>=0.20	MAPK10 (3.0)	MPP2 (2.8)	C1QTNF4 (2.7)
1	>=0.20	CKAP5 (5.0)	CCDC18 (4.9)	FEN1 (4.7)
1	>=0.20	C2orf16 (3.3)	NCAN (2.9)	ABO (2.7)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	IZUMO1 (2.9)	SPG11 (2.3)	LINC00208 (2.2)
1	>=0.20	MAP1A (3.8)	ENSG00000236267 (3	TP53BP1 (3.1)
1	>=0.20	TRIM54 (6.2)	MAMSTR (4.2)	PACSIN3 (3.5)
1	>=0.20	KHK (3.4)	NDUFS3 (3.3)	HAPLN4 (3.2)
1	>=0.20	C2orf53 (3.6)	ENSG00000236827 (2	TDH (2.8)
1	>=0.20	PDIA3 (5.2)	TMEM214 (5.0)	TBL2 (4.5)
1	>=0.20	C11orf49 (2.9)	NCAN (2.0)	KRTCAP3 (1.7)

1	>=0.20	CCDC18 (5.1)	CKAP5 (5.1)	FEN1 (4.5)
1	>=0.20	C11orf9 (2.5)	NFE2L3 (2.3)	PTPMT1 (2.0)
1	>=0.20	MPV17 (3.2)	SNX17 (2.6)	NEIL2 (2.5)
1	>=0.20	MPV17 (3.2)	SNX17 (2.6)	NEIL2 (2.5)
1	>=0.20	ENSG00000235545 (2	C8orf12 (2.6)	SLC30A3 (2.5)
1	>=0.20	CCDC18 (5.8)	C2orf53 (3.0)	SUMO1 (2.9)
1	>=0.20	NRBP1 (3.1)	JMJD1C (2.6)	TUBGCP4 (2.3)
1	>=0.20	IZUMO1 (3.3)	ENSG00000223522 (2	ENSG00000255020 (2
1	>=0.20	CCDC18 (4.1)	ENSG00000182329 (3	CASC4 (2.8)
1	>=0.20	BLK (2.2)	TIMD4 (2.0)	NRBF2 (2.0)
1	>=0.20	IZUMO1 (3.7)	PBX4 (2.6)	LINC00208 (2.5)
1	>=0.20	MAP1A (4.3)	MPP2 (3.5)	DPYSL5 (3.5)
1	>=0.20	MYBPC3 (2.8)	ENSG00000222035 (2	ENSG00000256746 (2
1	>=0.20	FUT2 (4.1)	DNAJC5G (2.8)	GCKR (2.7)
1	>=0.20	MAP1A (4.0)	DPYSL5 (3.5)	MPP2 (3.5)
1	>=0.20	ENSG00000200241 (3	C2orf16 (2.9)	SIK3 (2.6)
1	>=0.20	CCDC18 (3.3)	SUMO1 (2.5)	C17orf105 (2.0)
1	>=0.20	STRC (3.1)	DNAH10 (2.5)	CD300LG (2.2)
1	>=0.20	STRC (3.1)	DNAH10 (2.5)	CD300LG (2.2)
1	>=0.20	ENSG00000182329 (3	MAP1A (2.9)	MPP2 (2.6)
1	>=0.20	NCAN (4.5)	C1QTNF4 (2.7)	MPP2 (2.6)
1	>=0.20	AGBL2 (8.1)	C11orf49 (3.9)	IFT172 (3.8)
1	>=0.20	C2orf16 (2.7)	ENSG00000235545 (2	IZUMO1 (2.1)
1	>=0.20	MAP1A (3.9)	ENSG00000236267 (3	TP53BP1 (3.1)
1	>=0.20	MPP2 (4.1)	C1QTNF4 (3.2)	MAPRE3 (2.9)
1	>=0.20	LPAL2 (3.5)	DNAJC5G (2.2)	STRC (2.2)
1	>=0.20	NEIL2 (3.4)	MTMR9 (2.6)	ENSG00000200241 (2
1	>=0.20	CTDSPL2 (4.6)	WDR76 (4.2)	ZNF512 (3.2)
1	>=0.20	C8orf49 (7.8)	ENSG00000256746 (4	DNAJC5G (3.4)
1	>=0.20	CCDC18 (5.7)	CKAP5 (5.3)	FEN1 (4.1)
1	>=0.20	ENSG00000257711 (2	LINC00208 (2.5)	DNAH10 (2.1)
1	>=0.20	DPYSL5 (3.8)	MAP1A (3.6)	MPP2 (2.9)
1	>=0.20	CHMP3 (3.1)	MAU2 (2.7)	IMMT (2.6)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.1)	FEN1 (4.5)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.1)	FEN1 (4.2)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.1)	FEN1 (4.4)
1	>=0.20	SLC30A3 (2.7)	MPP2 (2.4)	HAPLN4 (2.4)
1	>=0.20	BCL7B (2.9)	WDR76 (2.5)	DNAJC5G (2.5)
1	>=0.20	ENSG00000255020 (2	ENSG00000182329 (2	TXNL4B (2.2)
1	>=0.20	CCDC18 (5.0)	DNAJC5G (2.8)	ENSG00000236827 (2
1	>=0.20	MAMSTR (4.5)	MAP1A (3.0)	MAPRE3 (3.0)
1	>=0.20	MAP1A (3.8)	MPP2 (3.4)	DPYSL5 (3.2)
1	>=0.20	DDB2 (4.2)	WDR76 (4.0)	FEN1 (3.9)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	HARBI1 (3.4)	CHMP3 (3.0)	SPG11 (2.8)
1	>=0.20	ZNF408 (3.0)	STRC (2.8)	SUMO1 (2.5)
1	>=0.20	HAPLN4 (4.7)	MPP2 (4.2)	MAP1A (4.1)
1	>=0.20	CHMP3 (3.8)	DR1 (2.9)	PAFAH1B2 (2.8)
1	>=0.20	IZUMO1 (2.9)	STRC (2.8)	ENSG00000255020 (2

1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	CCDC18 (3.0)	C17orf105 (2.8)	SUMO1 (2.5)
1	>=0.20	DNAH10 (5.0)	ENSG00000256746 (4	ENSG00000235545 (3
1	>=0.20	ENSG00000235545 (4	DNAJC5G (2.7)	ENSG00000222035 (2
1	>=0.20	WDR76 (4.8)	CTDSPL2 (4.3)	DDB2 (3.6)
1	>=0.20	MAP1A (4.6)	MPP2 (4.2)	DPYSL5 (3.1)
1	>=0.20	CKAP5 (5.0)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	CCDC18 (5.3)	CKAP5 (3.9)	WDR76 (2.6)
1	>=0.20	MAMSTR (3.4)	FGF21 (2.6)	MPP2 (2.4)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	MAP1A (4.0)	MPP2 (3.4)	DPYSL5 (3.2)
1	>=0.20	MAP1A (4.0)	MPP2 (3.5)	DPYSL5 (3.4)
1	>=0.20	ENSG00000179523 (2	CYP26A1 (2.3)	CCDC121 (2.2)
1	>=0.20	MAP1A (3.9)	DPYSL5 (3.5)	MPP2 (3.0)
1	>=0.20	MAP1A (4.0)	MPP2 (3.3)	DPYSL5 (3.1)
1	>=0.20	CKAP5 (4.6)	AGBL2 (4.4)	ENSG00000182329 (3
1	>=0.20	WDR76 (4.8)	CTDSPL2 (4.2)	DDB2 (3.5)
1	>=0.20	NCAN (4.2)	RFX4 (4.2)	FZD9 (2.5)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.0)	FEN1 (4.4)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	ZNF335 (2.4)	ENSG00000200241 (2	MAMSTR (2.3)
1	>=0.20	DNAJC5G (3.4)	DNAH10 (2.7)	C2orf53 (2.1)
1	>=0.20	DNAJC5G (3.4)	DNAH10 (2.7)	C2orf53 (2.1)
1	>=0.20	DNAJC5G (3.4)	DNAH10 (2.7)	C2orf53 (2.1)
1	>=0.20	TRIM54 (5.1)	MAMSTR (4.0)	NEIL2 (3.1)
1	>=0.20	TRIM54 (5.1)	MAMSTR (4.0)	NEIL2 (3.1)
1	>=0.20	BLK (2.8)	PBX4 (2.0)	NSMAF (1.9)
1	>=0.20	C8orf12 (2.4)	ABHD1 (2.2)	CGREF1 (2.2)
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	CCDC18 (5.4)	CASC4 (3.7)	MTMR9 (3.3)
1	>=0.20	MAP1A (3.8)	MPP2 (3.5)	SLC30A3 (2.6)
1	>=0.20	NRBP1 (3.6)	MTF2 (2.6)	JMJD1C (2.4)
1	>=0.20	NCAN (3.0)	DPYSL5 (2.7)	CGREF1 (2.5)
1	>=0.20	TRIM54 (3.5)	MAPRE3 (3.5)	PACSIN3 (3.1)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.1)	FEN1 (4.4)
1	>=0.20	MPP3 (3.3)	MAMSTR (2.9)	PYY (2.4)
1	>=0.20	CKAP5 (5.1)	CCDC18 (4.6)	FEN1 (4.6)
1	>=0.20	MAU2 (3.1)	NUP160 (2.5)	FEN1 (2.2)
1	>=0.20	NCAN (5.4)	SLC30A3 (3.6)	ENSG00000182329 (2
1	>=0.20	DNAJC5G (4.4)	CCDC18 (4.3)	ENSG00000257711 (2
1	>=0.20	MAPK10 (2.6)	NCAN (2.4)	C8orf12 (2.3)
1	>=0.20	CCDC18 (3.9)	WDR76 (3.3)	DDB2 (3.2)
1	>=0.20	TRIM54 (5.4)	PACSIN3 (3.2)	SLC30A3 (2.8)
1	>=0.20	CCDC18 (3.3)	C17orf105 (3.0)	PMFBP1 (2.3)
1	>=0.20	ENSG00000236827 (2	CKAP5 (2.1)	C11orf49 (2.0)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.1)	FEN1 (4.4)
1	>=0.20	ENSG00000256746 (2	CELF1 (2.8)	SLC30A3 (2.7)
1	>=0.20	MAP1A (3.9)	MPP2 (3.5)	DPYSL5 (3.1)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	ENSG00000235545 (2	DNAJC5G (2.4)	CD300LG (2.3)

1	>=0.20	CCDC18 (5.1)	CKAP5 (5.1)	FEN1 (4.4)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.1)	FEN1 (4.5)
1	>=0.20	DNAJC5G (4.4)	CCDC18 (4.3)	ENSG00000257711 (2
1	>=0.20	DNAJC5G (4.4)	CCDC18 (4.3)	ENSG00000257711 (2
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.2)	FEN1 (4.6)
1	>=0.20	SLC30A3 (4.7)	MPP2 (3.3)	MAP1A (2.9)
1	>=0.20	CKAP5 (5.1)	CCDC18 (4.8)	FEN1 (4.4)
1	>=0.20	REEP1 (3.0)	CHMP3 (2.7)	SUPT7L (2.5)
1	>=0.20	MAP1A (3.1)	DPYSL5 (2.9)	MPP2 (2.7)
1	>=0.20	OST4 (4.1)	MRPL35 (2.7)	CHMP3 (2.5)
1	>=0.20	CKAP5 (5.2)	MAP1A (3.6)	TP53BP1 (3.4)
1	>=0.20	C17orf105 (3.4)	IZUMO1 (3.0)	TRNP1 (2.5)
1	>=0.20	TRIM54 (5.7)	PACSIN3 (3.8)	REEP1 (3.8)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.1)	FEN1 (4.5)
1	>=0.20	EIF2B4 (3.8)	SNX17 (3.7)	SUPT7L (3.2)
1	>=0.20	ENSG00000222035 (2	MFAP1 (2.2)	PBX4 (1.9)
1	>=0.20	NCAN (4.4)	C8orf12 (2.0)	ENSG00000182329 (2
1	>=0.20	CCDC18 (5.1)	CKAP5 (5.0)	FEN1 (4.5)
1	>=0.20	CCDC18 (4.7)	CKAP5 (3.1)	DNAH10 (2.4)
1	>=0.20	ENSG00000236827 (5	C1QTNF4 (3.0)	ENSG00000234945 (2
1	>=0.20	MAPRE3 (3.4)	TRIM54 (3.3)	PACSIN3 (3.1)
1	>=0.20	IZUMO1 (3.7)	DHODH (2.8)	C17orf105 (2.8)
1	>=0.20	CKAP5 (6.1)	CCDC18 (5.3)	FEN1 (3.4)
1	>=0.20	ENSG00000235545 (2	ENSG00000236267 (2	PMFBP1 (2.0)
1	>=0.20	ENSG00000257711 (2	LINC00208 (2.2)	C2orf53 (2.0)
1	>=0.20	ENSG00000256731 (2	ENSG00000236267 (2	MAPK10 (2.2)
1	>=0.20	ENSG00000256731 (2	ENSG00000236267 (2	MAPK10 (2.2)
1	>=0.20	C1QTNF4 (3.7)	MPP2 (3.5)	NCAN (3.4)
1	>=0.20	CCDC18 (5.2)	CKAP5 (5.0)	FEN1 (4.4)
1	>=0.20	CASC4 (3.4)	DPYSL5 (2.7)	ENSG00000236827 (2
1	>=0.20	DNAJC5G (3.0)	EIF3J (3.0)	BCL7B (2.5)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.5)
1	>=0.20	ENSG00000200241 (5	SIK3 (2.5)	C2orf16 (2.4)
1	>=0.20	CCDC18 (4.9)	ENSG00000223522 (3	CCDC121 (2.9)
1	>=0.20	TXNL4B (2.9)	RIC8B (2.8)	SUMO1 (2.8)
1	>=0.20	DPYSL5 (3.6)	MAP1A (3.5)	MPP2 (3.4)
1	>=0.20	LPAR2 (2.7)	AGBL2 (2.7)	ENSG00000222035 (2
1	>=0.20	AGBL2 (6.4)	C17orf105 (5.2)	TSSK6 (4.4)
1	>=0.20	MAPK10 (2.5)	ENSG00000182319 (1	C1QTNF4 (1.6)
1	>=0.20	ENSG00000223522 (2	DNAH10 (2.6)	IZUMO1 (2.6)
1	>=0.20	TRIM54 (4.3)	PACSIN3 (3.6)	MAMSTR (3.4)
1	>=0.20	NCAN (4.5)	C1QTNF4 (2.1)	ENSG00000182329 (2
1	>=0.20	MADD (3.4)	PPIP5K1 (2.7)	CD300LG (2.4)
1	>=0.20	TRIM54 (8.6)	PACSIN3 (4.0)	MYBPC3 (3.4)
1	>=0.20	MPP2 (3.7)	MAP1A (3.6)	TRNP1 (2.8)
1	>=0.20	MAP1A (3.8)	MPP2 (3.6)	DPYSL5 (3.4)
1	>=0.20	ENSG00000222035 (2	KRTCAP3 (2.6)	ENSG00000223522 (1
1	>=0.20	C1QTNF4 (2.4)	KDM3A (2.3)	AMBRA1 (2.3)
1	>=0.20	WDR76 (3.7)	DDB2 (2.6)	SUMO1 (2.5)

1	>=0.20	MAP1A (3.9)	DPYSL5 (3.5)	MPP2 (3.2)
1	>=0.20	CKAP5 (5.2)	CCDC18 (5.1)	FEN1 (4.4)
1	>=0.20	MAP1A (4.1)	MPP2 (3.7)	DPYSL5 (3.1)
1	>=0.20	NCAN (3.3)	SLC30A3 (2.8)	C8orf12 (2.4)
1	>=0.20	TRIM54 (3.5)	MPP3 (3.2)	C1QTNF4 (2.6)
1	>=0.20	CTSB (3.5)	SDCBP (3.2)	UBXN2B (2.6)
1	>=0.20	SLC5A6 (2.1)	CITED2 (2.1)	ARID1A (1.9)
1	>=0.20	STRC (2.4)	PYY (2.1)	SLC5A6 (2.0)
1	>=0.20	C11orf49 (3.7)	AGBL2 (3.5)	IFT172 (2.4)
1	>=0.20	C17orf105 (3.6)	CCDC18 (3.5)	PMFBP1 (2.6)
1	>=0.20	TRIM54 (9.8)	PACSIN3 (5.5)	MYBPC3 (5.0)
1	>=0.20	ENSG00000223522 (3	MAMSTR (2.8)	MPP3 (2.6)
1	>=0.20	AGBL2 (4.2)	ENSG00000182329 (3	C11orf49 (3.4)
1	>=0.20	ENSG00000182329 (3	ABHD1 (2.4)	ENSG00000226645 (2
1	>=0.20	MAP1A (3.9)	MPP2 (3.6)	DPYSL5 (3.2)
1	>=0.20	MAP1A (3.8)	DPYSL5 (3.8)	MPP2 (3.2)
1	>=0.20	TECTB (5.2)	FUT2 (3.8)	STRC (2.4)
1	>=0.20	HAVCR1 (3.0)	PPY (2.5)	BAZ1B (2.4)
1	>=0.20	ENSG00000226645 (3	ENSG00000235545 (2	RBKS (2.2)
1	>=0.20	NCAN (4.5)	C8orf12 (2.1)	ENSG00000182329 (2
1	>=0.20	NCAN (4.5)	C8orf12 (2.1)	ENSG00000182329 (2
1	>=0.20	MAP1A (4.0)	DPYSL5 (3.7)	MPP2 (3.4)
1	>=0.20	HAPLN4 (4.3)	MAP1A (3.6)	C1QTNF4 (3.4)
1	>=0.20	SLC30A3 (3.0)	CELF1 (2.7)	MAPRE3 (2.4)
1	>=0.20	MAP1A (4.0)	MPP2 (3.4)	DPYSL5 (3.4)
1	>=0.20	SUGP1 (3.1)	IMMT (2.7)	POLR1A (2.4)
1	>=0.20	CKAP5 (5.1)	CCDC18 (5.0)	FEN1 (4.4)
1	>=0.20	AGBL2 (7.0)	IFT172 (3.4)	C11orf49 (3.3)
1	>=0.20	MAP1A (3.7)	MPP2 (3.5)	DPYSL5 (3.3)
1	>=0.20	GPN2 (4.1)	ZNF513 (3.2)	TXNL4B (3.1)
1	>=0.20	NCAN (3.2)	MPP2 (3.1)	HAPLN4 (3.0)
1	>=0.20	CKAP5 (6.0)	CCDC18 (3.7)	TP53BP1 (2.7)
1	>=0.20	ARID1A (3.0)	GMIP (2.5)	MTMR9 (2.2)
1	>=0.20	CKAP5 (3.6)	CCDC18 (3.5)	SDCBP (2.8)
1	>=0.20	CCDC18 (4.8)	CKAP5 (4.2)	ENSG00000222035 (2
1	>=0.20	MAMSTR (5.6)	PACSIN3 (2.8)	TRIM54 (2.2)
1	>=0.20	MPP3 (4.0)	FNDC4 (2.4)	BMPR2 (2.0)
1	>=0.20	NRBP1 (2.1)	C11orf49 (2.1)	MTMR9 (1.9)
1	>=0.20	SLC30A3 (4.1)	MPP2 (2.6)	BMPR2 (2.5)
1	>=0.20	HAPLN4 (3.2)	MPP2 (3.1)	MAPK10 (3.0)
1	>=0.20	MADD (2.3)	BMPR2 (1.9)	PTPRJ (1.9)
1	>=0.20	NSMAF (2.2)	NEIL2 (2.2)	TDH (2.0)
1	>=0.20	ATG13 (5.0)	TXNL4B (4.1)	HDAC5 (3.2)
1	>=0.20	CCDC18 (6.1)	CKAP5 (3.5)	CASC4 (3.4)
1	>=0.20	ATG13 (5.2)	HDAC5 (3.8)	TXNL4B (2.9)
1	>=0.20	ENSG00000182329 (3	C2orf53 (2.9)	C1QTNF4 (2.8)
1	>=0.20	TRIM54 (7.6)	MAMSTR (4.1)	PACSIN3 (3.9)
1	>=0.20	CCDC18 (3.2)	SUMO1 (2.2)	C17orf105 (2.0)
1	>=0.20	MAPK10 (3.0)	ENSG00000182329 (2	C1QTNF4 (2.5)
1	>=0.20	TSSK6 (3.1)	PMFBP1 (2.6)	HARBI1 (1.9)

1	>=0.20	TSSK6 (3.1)	PMFBP1 (2.6)	HARBI1 (1.9)
1	>=0.20	FUT2 (3.0)	STRC (2.8)	PMFBP1 (2.0)
1	>=0.20	MAP1A (3.0)	C1QTNF4 (2.9)	NCAN (2.7)
1	>=0.20	AGBL2 (4.9)	ENSG00000182329 (4	DNAH10 (3.4)
1	>=0.20	MAP1A (3.7)	DPYSL5 (3.5)	MPP2 (3.2)
1	>=0.20	MAP1A (3.9)	DPYSL5 (3.5)	MPP2 (3.3)
1	>=0.20	EIF2B4 (3.1)	IMMT (3.0)	EIF3J (2.7)
1	>=0.20	HAPLN4 (3.4)	FRMD5 (3.2)	C1QTNF4 (2.9)
1	>=0.20	CBLC (1.9)	SFN (1.9)	TMEM175 (1.7)
1	>=0.20	CCDC18 (3.3)	WDR76 (2.6)	SPG11 (2.4)
1	>=0.20	CCDC18 (3.3)	WDR76 (2.6)	SPG11 (2.4)
1	>=0.20	MPP2 (4.2)	NCAN (3.6)	C1QTNF4 (3.5)
1	>=0.20	MPP2 (4.2)	NCAN (3.6)	C1QTNF4 (3.5)
1	>=0.20	CTSB (3.7)	SDCBP (3.1)	IMMT (2.9)
1	>=0.20	CCDC92 (2.7)	FUT1 (2.6)	MAPK10 (2.6)
1	>=0.20	PPY (3.2)	TXNL4B (2.6)	ATG13 (2.5)
1	>=0.20	ENSG00000236827 (3	LPAL2 (3.3)	ABO (2.5)
1	>=0.20	IMMT (3.0)	MAP1A (2.9)	HAVCR1 (2.7)
1	>=0.20	MAP1A (4.1)	MPP2 (3.6)	DPYSL5 (3.2)
1	>=0.20	ARFGAP2 (3.3)	NRBP1 (3.3)	AMBRA1 (2.6)
1	>=0.20	MAP1A (3.9)	MPP2 (3.1)	DPYSL5 (2.8)
1	>=0.20	WDR76 (3.9)	GPN1 (3.5)	CTDSPL2 (2.8)
1	>=0.20	ATG4C (3.1)	CCDC121 (2.2)	DNAJC5G (2.2)
1	>=0.20	CTDSPL2 (2.9)	BAZ1B (2.7)	ENSG00000256746 (2
1	>=0.20	CELF1 (3.1)	DR1 (2.9)	NCAN (2.2)
1	>=0.20	MAP1A (4.1)	MPP2 (3.6)	DPYSL5 (3.5)
1	>=0.20	ENSG00000182329 (4	MPP2 (3.9)	TRNP1 (3.6)
1	>=0.20	MAP1A (4.2)	MPP2 (3.6)	DPYSL5 (3.3)
1	>=0.20	NCAN (4.4)	SLC30A3 (3.8)	HAPLN4 (2.8)
1	>=0.20	MAP1A (3.8)	DPYSL5 (3.6)	MPP2 (3.1)
1	>=0.20	PLA2G6 (2.4)	KRTCAP3 (2.4)	CASC4 (2.3)
1	>=0.20	CCDC18 (5.9)	CASC4 (3.7)	CKAP5 (3.6)
1	>=0.20	ENSG00000235545 (4	ENSG00000182329 (4	SLC30A3 (3.8)
1	>=0.20	MAP1A (4.1)	MPP2 (3.6)	DPYSL5 (3.3)
1	>=0.20	NCAN (3.0)	FRMD5 (2.4)	DPYSL5 (2.4)
1	>=0.20	SLC30A3 (3.4)	MPP2 (3.2)	MADD (2.5)
1	>=0.20	STRC (2.3)	MAPK10 (1.8)	HAPLN4 (1.7)
1	>=0.20	MAMSTR (3.0)	FGF21 (2.8)	ABO (2.4)
1	>=0.20	TRIM54 (8.6)	PACSIN3 (4.5)	MAMSTR (2.2)
1	>=0.20	UBXN2B (2.5)	C8orf12 (2.1)	ATG4C (1.9)
1	>=0.20	MAP1A (4.1)	MPP2 (3.6)	DPYSL5 (3.3)
1	>=0.20	MAP1A (3.9)	DPYSL5 (3.3)	MPP2 (3.3)
1	>=0.20	CKAP5 (5.2)	CCDC18 (5.1)	FEN1 (4.0)
1	>=0.20	MAP1A (4.1)	DPYSL5 (3.5)	C1QTNF4 (2.9)
1	>=0.20	MAP1A (4.2)	MPP2 (3.5)	DPYSL5 (3.2)
1	>=0.20	TRIM54 (5.8)	PACSIN3 (4.0)	REEP1 (3.8)
1	>=0.20	MAP1A (4.0)	MPP2 (3.7)	DPYSL5 (3.1)
1	>=0.20	MFAP1 (2.1)	NSMAF (1.8)	SIK3 (1.8)
1	>=0.20	MFAP1 (2.1)	NSMAF (1.8)	SIK3 (1.8)
1	>=0.20	MFAP1 (2.1)	NSMAF (1.8)	SIK3 (1.8)

1	>=0.20	MAP1A (4.1)	MPP2 (3.5)	DPYSL5 (3.2)
1	>=0.20	TRIM54 (6.5)	PACSIN3 (3.9)	MAMSTR (2.7)
1	>=0.20	C2orf16 (2.9)	ENSG00000179523 (2	FRMD5 (2.8)
1	>=0.20	MAP1A (4.1)	MPP2 (3.5)	DPYSL5 (3.3)
1	>=0.20	ENSG00000255020 (3	STRC (2.5)	C1QTNF4 (2.4)
1	>=0.20	TRIM54 (3.7)	KANK2 (3.4)	MAMSTR (2.9)
1	>=0.20	CITED2 (2.3)	SLC5A6 (2.2)	ENSG00000223745 (1
1	>=0.20	DPYSL5 (2.2)	FDFT1 (2.2)	TP53BP1 (1.9)
1	>=0.20	TRIM54 (7.8)	PACSIN3 (3.5)	TAGLN (3.1)
1	>=0.20	MAP1A (4.4)	ENSG00000256746 (3	ENSG00000236267 (3
1	>=0.20	MAP1A (3.7)	DPYSL5 (3.4)	MPP2 (3.0)
1	>=0.20	C11orf49 (2.0)	PMFBP1 (1.8)	BNC2 (1.5)
1	>=0.20	CCDC18 (4.6)	CKAP5 (4.3)	CASC4 (2.3)
1	>=0.20	MAP1A (4.0)	MPP2 (3.6)	DPYSL5 (3.4)
1	>=0.20	ENSG00000182329 (3	STRC (2.9)	MPP3 (2.8)
1	>=0.20	DPYSL5 (3.1)	MAP1A (2.5)	C11orf49 (2.4)
1	>=0.20	ENSG00000182329 (3	MPP2 (3.0)	CATSPER2 (3.0)
1	>=0.20	BLK (2.4)	NSMAF (2.0)	MTF2 (1.8)
1	>=0.20	BLK (2.4)	NSMAF (2.0)	MTF2 (1.8)
1	>=0.20	CCDC18 (2.9)	C17orf105 (2.2)	SUMO1 (2.1)
1	>=0.20	NEIL2 (2.7)	INTS10 (2.2)	CSGALNACT1 (1.9)
1	>=0.20	CCDC18 (5.6)	CKAP5 (3.9)	TP53BP1 (3.3)
1	>=0.20	TRIM54 (6.6)	MYBPC3 (6.3)	MRPL33 (4.0)
1	>=0.20	ENSG00000182329 (3	CATSPER2 (3.1)	MPP2 (2.8)
1	>=0.20	CKAP5 (5.2)	CCDC18 (5.0)	FEN1 (4.0)
1	>=0.20	ENSG00000223522 (4	WDR76 (2.2)	ENSG00000256746 (2
1	>=0.20	TRIM54 (3.4)	UBXN2B (3.1)	MRPL33 (1.9)
1	>=0.20	ENSG00000222035 (3	DPYSL5 (2.6)	CASC4 (2.6)
1	>=0.20	TRIM54 (3.8)	MYBPC3 (2.8)	REEP1 (2.7)
1	>=0.20	TAGLN (3.2)	TRIM54 (2.9)	CELF1 (2.9)
1	>=0.20	MAP1A (4.0)	MPP2 (3.5)	DPYSL5 (3.3)
1	>=0.20	DDB2 (4.4)	WDR76 (3.1)	BRE (2.5)
1	>=0.20	KRTCAP3 (3.0)	MPP3 (2.5)	TRIM54 (2.0)
1	>=0.20	REEP3 (2.6)	ENSG00000255020 (2	ARHGAP1 (2.3)
1	>=0.20	C2orf16 (2.5)	FNDC4 (2.4)	BMPR2 (2.4)
1	>=0.20	CASC4 (2.6)	IZUMO1 (2.6)	ENSG00000236827 (2
1	>=0.20	HAPLN4 (3.3)	MPP2 (3.1)	C1QTNF4 (3.1)
1	>=0.20	MPP2 (3.8)	NCAN (3.3)	C1QTNF4 (2.9)
1	>=0.20	MPP2 (3.8)	NCAN (3.3)	C1QTNF4 (2.9)
1	>=0.20	SLC5A6 (2.6)	ENSG00000255020 (2	ENSG00000236827 (2
1	>=0.20	MAP1A (4.3)	MPP2 (3.6)	DPYSL5 (3.3)
1	>=0.20	MAPRE3 (2.4)	TMEM101 (2.1)	ENSG00000223745 (1
1	>=0.20	MAP1A (4.3)	MPP2 (3.4)	DPYSL5 (3.3)
1	>=0.20	SLC30A3 (3.8)	NCAN (3.0)	MPP2 (3.0)
1	>=0.20	MAP1A (4.1)	MPP2 (4.0)	DPYSL5 (3.3)
1	>=0.20	MAP1A (4.1)	MPP2 (3.5)	DPYSL5 (3.2)
1	>=0.20	MAMSTR (3.6)	PACSIN3 (2.4)	TRIM54 (2.3)
1	>=0.20	NRBF2 (3.4)	GPN2 (3.4)	KBTBD4 (3.2)
1	>=0.20	ENSG00000223522 (3	TECTB (3.0)	TDH (2.9)
1	>=0.20	CASC4 (3.8)	ENSG00000236827 (3	IZUMO1 (3.0)

1	>=0.20	NDUFS3 (3.5)	HAPLN4 (3.4)	SLC30A3 (3.0)
1	>=0.20	TRIM54 (6.2)	PACSIN3 (3.2)	LPAL2 (2.4)
1	>=0.20	TECTB (3.6)	ENSG00000253379 (2	LPAR2 (2.6)
1	>=0.20	MAPK10 (3.9)	TRNP1 (2.7)	MADD (2.6)
1	>=0.20	ENSG00000234945 (2	SUMO1 (2.7)	ENSG00000236267 (2
1	>=0.20	MAP1A (4.1)	MPP2 (3.6)	DPYSL5 (3.3)
1	>=0.20	CCDC18 (3.4)	SUMO1 (2.2)	AFF1 (2.1)
1	>=0.20	C11orf49 (2.9)	KBTBD4 (2.1)	ENSG00000223522 (2
1	>=0.20	MPP3 (2.4)	MAP1A (1.9)	TRIM54 (1.9)
1	>=0.20	CCDC18 (4.7)	TP53BP1 (3.7)	CKAP5 (3.6)
1	>=0.20	MAP1A (4.3)	MPP2 (3.9)	DPYSL5 (3.4)
1	>=0.20	C17orf105 (3.0)	CCDC18 (3.0)	ENSG00000234945 (2
1	>=0.20	DNAJC5G (3.3)	ENSG00000222035 (2	FAM167A (2.6)
1	>=0.20	MAP1A (4.1)	MPP2 (3.7)	DPYSL5 (3.7)
1	>=0.20	MAMSTR (2.4)	MADD (2.3)	CELF1 (1.9)
1	>=0.20	TXNL4B (3.6)	ATG13 (2.8)	NRBF2 (2.5)
1	>=0.20	ENSG00000223745 (2	ENSG00000182329 (2	CATSPER2 (2.1)
1	>=0.20	CD300LG (2.6)	PTPRJ (2.5)	DOCK6 (2.3)
1	>=0.20	ENSG00000223522 (3	DNAH10 (3.0)	ENSG00000222035 (2
1	>=0.20	CKAP5 (4.4)	FEN1 (4.1)	CCDC18 (3.8)
1	>=0.20	C1QTNF4 (2.6)	MADD (1.8)	NEIL2 (1.5)
1	>=0.20	TRIM54 (7.6)	TAGLN (3.7)	PACSIN3 (3.6)
1	>=0.20	ENSG00000235545 (3	STRC (3.2)	ENSG00000223522 (2
1	>=0.20	MAPRE3 (3.6)	C1QTNF4 (2.6)	HAPLN4 (2.5)
1	>=0.20	CCDC18 (6.2)	STRC (2.7)	TXNL4B (2.6)
1	>=0.20	CCDC18 (6.2)	STRC (2.7)	TXNL4B (2.6)
1	>=0.20	CCDC18 (6.2)	STRC (2.7)	TXNL4B (2.6)
1	>=0.20	CKAP5 (3.1)	CCDC18 (2.4)	USP1 (2.3)
1	>=0.20	CKAP5 (3.1)	CCDC18 (2.4)	USP1 (2.3)
1	>=0.20	AMBRA1 (3.1)	ARFGAP2 (2.6)	NRBP1 (2.6)
1	>=0.20	DNAH10 (3.8)	ENSG00000223522 (3	IZUMO1 (2.8)
1	>=0.20	MAP1A (2.2)	FGF21 (2.1)	NCAN (2.1)
1	>=0.20	SUMO1 (2.8)	ENSG00000236267 (2	CCDC18 (1.8)
1	>=0.20	NCAN (4.5)	ENSG00000182329 (2	SLC30A3 (2.3)
1	>=0.20	C8orf12 (2.9)	ENSG00000235545 (2	DNAH10 (2.4)
1	>=0.20	TRIM54 (2.9)	KANK2 (2.8)	MAMSTR (2.7)
1	>=0.20	CCDC18 (6.3)	STRC (2.7)	SUMO1 (2.6)
1	>=0.20	TRIM54 (6.3)	PACSIN3 (3.4)	C17orf105 (2.4)
1	>=0.20	AGBL2 (7.7)	IFT172 (4.2)	C11orf49 (3.8)
1	>=0.20	TRIM54 (3.3)	REEP1 (2.8)	PACSIN3 (2.4)
1	>=0.20	ENSG00000235545 (4	C1QTNF4 (4.1)	ENSG00000182329 (3
1	>=0.20	MPP2 (2.8)	SLC30A3 (2.6)	NCAN (2.5)
1	>=0.20	C8orf12 (3.1)	ENSG00000236827 (2	ENSG00000235545 (2
1	>=0.20	CCDC18 (4.8)	CKAP5 (3.7)	TUBGCP4 (2.4)
1	>=0.20	TRIM54 (10.6)	PACSIN3 (4.8)	MYBPC3 (4.1)
1	>=0.20	IZUMO1 (2.5)	ENSG00000236267 (2	PMFBP1 (1.9)
1	>=0.20	ATG13 (4.0)	MAU2 (2.6)	ARFGAP2 (2.5)
1	>=0.20	CCDC18 (6.2)	CKAP5 (4.0)	USP1 (2.6)
1	>=0.20	NCAN (4.0)	SLC30A3 (2.9)	MPP2 (2.6)
1	>=0.20	NCAN (4.0)	ENSG00000255020 (3	NEIL2 (2.4)

1	>=0.20	CCDC18 (6.0)	CKAP5 (3.6)	USP1 (2.5)
1	>=0.20	CKAP5 (3.4)	USP1 (2.3)	CCDC18 (2.2)
1	>=0.20	PBX4 (2.1)	C17orf105 (2.1)	NEIL2 (1.9)
1	>=0.20	SLC30A3 (3.5)	MPP2 (3.4)	HAPLN4 (2.6)
1	>=0.20	C1QTNF4 (3.3)	MAP1A (3.3)	MPP2 (3.2)
1	>=0.20	SLC30A3 (4.2)	NCAN (3.9)	C8orf49 (2.4)
1	>=0.20	SLC30A3 (3.7)	NCAN (3.7)	BMPR2 (2.9)
1	>=0.20	ENSG00000222035 (4	CCDC18 (3.8)	ENSG00000223522 (3
1	>=0.20	MAP1A (4.2)	HAPLN4 (2.5)	NCAN (2.2)
1	>=0.20	ENSG00000223522 (3	CCDC18 (3.5)	ENSG00000222035 (3
1	>=0.20	CCDC18 (6.3)	CKAP5 (4.0)	USP1 (2.6)
1	>=0.20	CCDC18 (6.3)	CKAP5 (4.0)	USP1 (2.6)
1	>=0.20	MAPK10 (3.5)	HAPLN4 (3.4)	SLC30A3 (3.3)
1	>=0.20	FUT2 (3.3)	PPIP5K1 (2.2)	MAPK10 (2.1)
1	>=0.20	SLC30A3 (3.7)	MPP2 (3.6)	C1QTNF4 (3.5)
1	>=0.20	MPP2 (3.8)	MAPK10 (3.5)	NCAN (2.9)
1	>=0.20	IFT172 (2.5)	COBLL1 (2.1)	FUT1 (2.1)
1	>=0.20	HAPLN4 (3.3)	MAP1A (2.6)	ENSG00000200241 (2
1	>=0.20	CCDC18 (6.3)	CKAP5 (4.0)	USP1 (2.6)
1	>=0.20	MAP1A (3.4)	MPP2 (3.0)	CCDC92 (3.0)
1	>=0.20	UBXN2B (2.5)	HARBI1 (2.4)	DNAJC5G (2.3)
1	>=0.20	C8orf12 (2.9)	ENSG00000236827 (2	C11orf49 (2.0)
1	>=0.20	HAPLN4 (3.2)	MAP1A (3.1)	MPP3 (3.0)
1	>=0.20	HAPLN4 (3.2)	MAP1A (3.1)	MPP3 (3.0)
1	>=0.20	ENSG00000235545 (4	C1QTNF4 (4.0)	ENSG00000182329 (3
1	>=0.20	MAP1A (3.5)	CGREF1 (3.0)	MPP2 (2.9)
1	>=0.20	TRIM54 (6.3)	PACSIN3 (3.6)	C17orf105 (2.2)
1	>=0.20	TRIM54 (6.3)	PACSIN3 (3.6)	C17orf105 (2.2)
1	>=0.20	IZUMO1 (4.4)	CASC4 (3.6)	C17orf105 (3.2)
1	>=0.20	CATSPER2 (3.0)	IFT172 (2.8)	MPV17 (2.5)
1	>=0.20	SLC30A3 (2.8)	NCAN (2.6)	ENSG00000182329 (2
1	>=0.20	ENSG00000256746 (2	MADD (2.2)	CATSPER2 (2.1)
1	>=0.20	ENSG00000182329 (5	TRNP1 (3.3)	MPP2 (2.7)
1	>=0.20	MPP3 (4.2)	MAP1A (3.4)	HAPLN4 (3.1)
1	>=0.20	CCDC18 (6.5)	CKAP5 (3.6)	WDR76 (2.9)
1	>=0.20	TECTB (3.6)	STRC (3.1)	PMFBP1 (2.3)
1	>=0.20	AGBL2 (3.4)	UBXN2B (2.1)	ENSG00000256746 (2
1	>=0.20	AGBL2 (7.6)	IFT172 (2.6)	CCDC121 (2.5)
1	>=0.20	SLC30A3 (3.5)	HAPLN4 (3.5)	MAPK10 (3.3)
1	>=0.20	TRIM54 (3.1)	CELF1 (2.5)	C1QTNF4 (2.3)
1	>=0.20	C8orf12 (2.8)	DNAH10 (2.3)	CCDC121 (2.1)
1	>=0.20	CCDC18 (5.6)	CKAP5 (3.5)	AGBL5 (2.6)
1	>=0.20	PYY (2.6)	ENSG00000235545 (2	C1QTNF4 (2.3)
1	>=0.20	ENSG00000182329 (2	ENSG00000256746 (2	C1QTNF4 (2.0)
1	>=0.20	HAVCR1 (2.5)	CCDC121 (2.3)	MTMR9 (2.0)
1	>=0.20	CCDC18 (4.2)	CCDC121 (3.4)	CHMP3 (2.9)
1	>=0.20	SLC30A3 (4.0)	MAPK10 (3.1)	HAPLN4 (3.0)
1	>=0.20	SLC30A3 (4.0)	MAPK10 (3.1)	HAPLN4 (3.0)
1	>=0.20	HAPLN4 (3.7)	SLC30A3 (3.1)	MAPK10 (3.1)
1	>=0.20	HAPLN4 (3.5)	MAPK10 (2.9)	TRNP1 (2.8)

1	>=0.20	SLC30A3 (2.9)	DNAJC5G (2.7)	PLA2G6 (1.8)
1	>=0.20	SLC30A3 (4.1)	NCAN (3.2)	C1QTNF4 (3.1)
1	>=0.20	HAVCR1 (2.8)	MTMR9 (2.1)	ENSG00000223745 (1
1	>=0.20	IZUMO1 (2.1)	C17orf105 (1.9)	PMFBP1 (1.6)
1	>=0.20	SLC30A3 (3.3)	HAPLN4 (3.2)	MAP1A (3.1)
1	>=0.20	MAP1A (2.9)	MAPK10 (2.4)	NCAN (2.3)
1	>=0.20	MAP1A (2.9)	MAPK10 (2.4)	NCAN (2.3)
1	>=0.20	ENSG00000235545 (3	PYY (2.8)	DNAJC5G (2.6)
1	>=0.20	MAP1A (2.9)	MAPK10 (2.6)	HAPLN4 (2.3)
1	>=0.20	MAP1A (2.9)	MAPK10 (2.6)	NCAN (2.4)
1	>=0.20	IZUMO1 (2.0)	C17orf105 (1.9)	PMFBP1 (1.6)
1	>=0.20	C17orf105 (1.9)	IZUMO1 (1.8)	PMFBP1 (1.8)
1	>=0.20	SLC30A3 (3.9)	NCAN (2.7)	MAP1A (2.7)
1	>=0.20	C17orf105 (1.9)	IZUMO1 (1.9)	PMFBP1 (1.8)
1	>=0.20	ENSG00000256731 (2	C1QTNF4 (2.2)	MAPRE3 (2.0)
1	>=0.20	MAP1A (3.4)	SLC30A3 (2.7)	MPP2 (2.7)
1	>=0.20	FNDC4 (2.1)	IZUMO1 (1.9)	C17orf105 (1.8)
1	>=0.20	MAP1A (3.3)	SLC30A3 (2.7)	MPP3 (2.5)
1	>=0.20	MAP1A (2.6)	HAPLN4 (2.3)	MAPRE3 (2.2)
1	>=0.20	MAP1A (2.6)	HAPLN4 (2.3)	MAPRE3 (2.2)
1	>=0.20	MAP1A (3.6)	SLC30A3 (3.4)	MPP3 (3.0)
1	>=0.20	MAP1A (3.1)	MPP3 (2.8)	HAPLN4 (2.7)
1	>=0.20	C1QTNF4 (3.4)	MPP2 (2.2)	NCAN (2.1)
1	>=0.20	C1QTNF4 (3.4)	MPP2 (2.2)	NCAN (2.1)
1	>=0.20	C1QTNF4 (2.7)	SLC30A3 (2.6)	ENSG00000236827 (2

erived from repeating the summation 1000 times based on random loci matched by gene density. F

Reconstituted gene set Z score gene 4	Reconstituted gene set Z score gene 5	Reconstituted gene set Z score gene 6	Reconstituted gene set Z score gene 7	Reconstituted gene set Z score gene 8
ENSG00000253379 (3	GCKR (3.2)	APOA5 (3.1)	HGFAC (3.0)	APOA1 (3.0)
KHK (4.7)	SLC22A1 (4.6)	FADS1 (4.5)	HGFAC (4.3)	APOA4 (4.2)
APOA5 (4.3)	APOC1 (4.3)	NR1H3 (3.9)	F2 (3.8)	APOC4 (3.6)
HP (4.3)	APOA1 (4.2)	ANGPTL4 (4.2)	APOC3 (4.1)	LPL (4.1)
TIMD4 (4.4)	APOA5 (4.3)	HP (4.2)	APOC1 (4.1)	GCKR (4.0)
C19orf80 (3.5)	GPAM (2.7)	LPL (2.6)	ANGPTL4 (2.6)	CD300LG (2.3)
NR1H3 (5.6)	APOC1 (5.6)	APOA5 (5.2)	TM6SF2 (5.0)	APOB (4.7)
APOB (3.1)	APOA1 (2.5)	FADS2 (2.5)	SFN (2.5)	CASC4 (2.4)
APOB (2.7)	C19orf80 (2.6)	ANGPTL4 (2.6)	KDM3A (2.5)	TRIB1 (2.4)
APOA5 (5.1)	GPAM (5.1)	APOA4 (4.9)	HGFAC (4.8)	APOB (4.6)
CLPTM1 (2.2)	ABCA1 (2.1)	GATA4 (2.1)	SPG11 (2.0)	BMPR2 (2.0)
APOA1 (6.9)	TM6SF2 (6.9)	F2 (5.7)	APOA5 (5.4)	C19orf80 (5.4)
SDCBP (3.1)	NR1H3 (3.0)	ABCA1 (2.9)	HP (2.8)	PLTP (2.4)
MLXIPL (5.4)	APOC1 (5.1)	APOA5 (5.1)	HP (4.7)	APOC3 (4.6)
ANGPTL3 (3.9)	APOC4 (3.8)	GCKR (3.6)	CETP (3.5)	LIPC (3.5)
ZDHHC18 (3.1)	APOC4 (3.1)	LIPC (3.0)	LPA (2.9)	GMIP (2.9)
RASIP1 (3.4)	MYBPC3 (3.4)	VEGFA (3.2)	JMJD1C (2.9)	IGF2R (2.9)
HP (3.8)	SLC22A1 (3.6)	HGFAC (3.5)	APOC4 (3.4)	EMILIN1 (3.1)
HGFAC (3.6)	GCKR (3.5)	TIMD4 (3.5)	C19orf80 (3.2)	APOA5 (3.2)
APOB (7.3)	APOC1 (6.0)	TM6SF2 (5.8)	F2 (5.6)	APOA5 (4.7)
VEGFA (3.3)	APOA1 (3.3)	TAGLN (3.2)	ANGPTL3 (3.1)	APOC3 (3.0)
TM6SF2 (4.0)	APOC3 (3.9)	NR0B2 (3.9)	TIMD4 (3.5)	NR1H3 (3.3)
FADS1 (3.9)	GATA4 (3.7)	FNDC4 (3.1)	NR0B2 (3.1)	GPAM (2.8)
APOA1 (7.3)	FADS2 (7.0)	APOB (6.8)	FDFT1 (6.0)	APOC1 (5.8)
MLXIPL (3.1)	TMED5 (3.0)	GPAM (2.9)	NR1H3 (2.9)	GCKR (2.8)
ABCA1 (3.9)	LPA (3.9)	HGFAC (3.8)	CYP7A1 (3.7)	HP (3.5)
APOA4 (3.3)	CITED2 (3.2)	NAT2 (3.2)	APOC3 (3.1)	C19orf80 (3.1)
APOA4 (5.2)	APOB (5.1)	APOC1 (4.8)	C19orf80 (4.7)	APOA1 (4.6)
SLC22A1 (3.6)	HGFAC (3.5)	C19orf80 (3.2)	LPA (3.2)	FADS1 (3.1)
SDC1 (2.4)	IGF2R (2.4)	FZD9 (2.3)	DPYSL5 (2.2)	KANK2 (2.1)
DUSP3 (2.5)	ENSG00000254235 (2	LPL (2.3)	GPAM (2.3)	NAT2 (2.1)
ANGPTL3 (3.9)	HP (3.9)	APOC3 (3.8)	APOA1 (3.5)	HGFAC (3.5)
ABCA1 (2.4)	APOE (2.3)	CYP26A1 (2.2)	IGF2R (2.2)	KDM3A (2.1)
TM6SF2 (3.2)	KHK (3.2)	NRBF2 (3.0)	DHODH (3.0)	SLC5A6 (2.6)
TM6SF2 (3.2)	KHK (3.2)	NRBF2 (3.0)	DHODH (3.0)	SLC5A6 (2.6)
ENSG00000236267 (3	GCKR (2.9)	TMED5 (2.8)	APOC3 (2.5)	MLXIPL (2.5)
GPAM (5.5)	MLXIPL (5.1)	APOC1 (4.6)	TM6SF2 (4.2)	APOC3 (4.2)
KHK (4.4)	HGFAC (4.3)	TM6SF2 (4.3)	APOC4 (3.9)	C19orf80 (3.7)
APOC4 (5.9)	GCKR (5.1)	HGFAC (5.1)	SLC22A1 (4.9)	F2 (4.6)
CILP2 (2.4)	RSPO3 (2.3)	PTPRJ (2.3)	EMILIN1 (2.2)	MAFF (2.2)
APOE (3.5)	PLTP (2.8)	APOC4 (2.7)	APOC1 (2.6)	SDC1 (2.6)
MLXIPL (4.0)	APOB (4.0)	APOA1 (3.8)	APOA4 (3.8)	APOC1 (3.7)
SLC22A3 (3.7)	TM6SF2 (3.5)	CETP (3.4)	APOC4 (3.3)	HGFAC (3.3)

ANGPTL3 (3.7)	MLXIPL (3.2)	APOA5 (3.0)	APOA1 (2.9)	HP (2.9)
PPY (4.6)	C19orf80 (3.4)	ANGPTL4 (3.4)	NR0B2 (2.9)	TMED5 (2.7)
FADS1 (2.5)	KANK2 (2.2)	RASIP1 (2.1)	CITED2 (2.0)	ABCA1 (2.0)
APOC1 (7.8)	F2 (7.7)	APOA4 (7.4)	LIPC (6.3)	APOA5 (5.9)
APOC3 (4.0)	APOA1 (3.8)	NR1H3 (3.7)	APOC1 (3.6)	APOC4 (3.6)
ABCA1 (3.6)	LPA (3.2)	SLC22A1 (2.9)	PLTP (2.8)	APOC4 (2.7)
ANGPTL3 (3.4)	SLC22A1 (3.2)	GCKR (3.1)	LIPC (2.9)	NAGS (2.9)
SLC22A1 (2.9)	LPA (2.8)	BLK (2.4)	ENSG00000236267 (2	MAFF (2.0)
APOA5 (7.8)	APOC3 (7.3)	APOB (7.1)	LIPC (7.1)	APOC4 (7.0)
APOA5 (7.8)	APOC3 (7.3)	APOB (7.1)	LIPC (7.1)	APOC4 (7.0)
PVRL2 (2.9)	IGF2R (2.6)	CKAP5 (2.4)	SPG11 (2.3)	AMBRA1 (2.2)
BCAM (4.0)	EMILIN1 (3.2)	JMJD1C (3.2)	MAFF (3.2)	DOCK6 (3.0)
BMPR2 (3.1)	IGF2R (2.8)	ABCA1 (2.6)	GATA4 (2.5)	EMILIN1 (2.5)
TAGLN (2.7)	EMILIN1 (2.7)	SOST (2.3)	STRC (2.3)	BCL3 (2.3)
GPAM (3.7)	HGFAC (3.7)	NR1H3 (3.6)	MLXIPL (3.5)	ANGPTL4 (3.3)
LPL (4.4)	HGFAC (4.2)	ANGPTL4 (4.0)	HP (3.9)	APOC3 (3.9)
ANGPTL3 (5.4)	APOA5 (4.6)	HGFAC (4.1)	GCKR (4.0)	F2 (4.0)
ANGPTL4 (4.0)	C19orf80 (3.6)	TM6SF2 (3.3)	APOA4 (2.8)	APOA5 (2.8)
APOE (3.3)	HGFAC (3.3)	APOC1 (3.3)	ANGPTL4 (3.1)	ABCA1 (3.1)
NR1H3 (3.2)	ENSG00000236267 (3	NAT2 (2.9)	BCL7B (2.8)	CBLC (2.8)
CETP (2.5)	KDM3A (2.4)	BCL3 (2.3)	CSGALNACT1 (2.3)	SDCBP (2.3)
EMILIN1 (2.6)	CYP26A1 (2.5)	BAZ1B (2.1)	LPL (2.1)	BMPR2 (2.1)
LPA (3.5)	KHK (3.1)	APOA5 (3.0)	APOC4 (3.0)	DNAH10 (2.8)
LIPC (8.3)	APOC4 (8.0)	APOC1 (8.0)	APOB (7.9)	APOC3 (7.2)
LIPC (4.6)	F2 (4.1)	GCKR (4.1)	APOC1 (3.8)	APOE (3.5)
TM6SF2 (3.8)	APOA4 (3.4)	NR1H3 (3.2)	CD300LG (3.0)	ANGPTL4 (2.9)
TM6SF2 (3.5)	APOC1 (3.3)	MLXIPL (3.2)	C19orf80 (3.1)	LPL (2.9)
TM6SF2 (3.5)	APOC1 (3.3)	MLXIPL (3.2)	C19orf80 (3.1)	LPL (2.9)
TIMD4 (2.9)	PGS1 (2.8)	BCL3 (2.3)	HP (2.3)	ATG4C (2.2)
TM6SF2 (7.7)	APOB (7.7)	F2 (6.3)	C19orf80 (5.1)	NAT2 (5.0)
TBL2 (3.3)	APOA1 (3.1)	CATSPER2 (3.0)	FDFT1 (2.9)	C2orf28 (2.9)
GPAM (3.5)	SOST (2.8)	TM6SF2 (2.7)	ABCA1 (2.6)	GALNT2 (2.6)
APOE (4.5)	APOC4 (4.3)	HGFAC (4.3)	HP (3.9)	APOC1 (3.8)
APOC3 (5.6)	HGFAC (5.5)	APOB (5.0)	F2 (5.0)	GCKR (5.0)
PLTP (2.3)	MTCH2 (2.2)	SNX17 (2.2)	MAPRE3 (2.2)	ARHGAP1 (2.2)
APOC3 (6.6)	APOC1 (6.2)	APOB (6.1)	LIPC (4.6)	APOA5 (4.2)
ANGPTL4 (5.2)	PPY (4.2)	CD300LG (4.0)	C19orf80 (3.4)	NR1H3 (2.9)
G6PC3 (2.9)	GPAM (2.7)	APOA5 (2.6)	VEGFA (2.5)	DHODH (2.4)
TIMD4 (3.7)	CTSB (3.7)	ABCA1 (3.3)	GCKR (2.7)	ACP2 (2.6)
NRBF2 (2.9)	PTPRJ (2.8)	CTSB (2.8)	TRIB1 (2.8)	NR1H3 (2.7)
ANGPTL3 (4.8)	LIPC (4.2)	APOC3 (4.1)	APOC4 (4.0)	HP (3.3)
CD300LG (2.8)	LPA (2.8)	VEGFA (2.5)	SLC22A3 (2.4)	C19orf80 (2.4)
SFN (2.4)	F2 (2.4)	APOC4 (2.3)	BMPR2 (2.2)	RASIP1 (2.0)
DOCK6 (2.6)	LIPC (2.6)	ABCA1 (2.6)	BMPR2 (2.2)	BCAM (2.2)
CMIP (2.3)	PLTP (2.2)	FZD9 (2.2)	ACP2 (2.0)	KLF14 (2.0)
APOA5 (4.1)	SLC22A1 (4.0)	HGFAC (3.6)	LPAL2 (3.2)	LIPC (3.2)
ANGPTL4 (3.5)	TMED5 (3.3)	HP (3.0)	C19orf80 (2.9)	ABCA1 (2.8)
FUT2 (3.3)	CBLC (3.2)	ENSG00000254235 (3	CYP7A1 (3.1)	HGFAC (3.0)
PTPRJ (2.6)	GCKR (2.6)	MAMSTR (2.4)	CTSB (2.3)	BNC2 (2.2)
LIPC (4.6)	APOA1 (4.6)	APOC4 (4.5)	APOA5 (4.4)	HP (4.1)

APOB (2.6)	RASIP1 (2.6)	MAFF (2.4)	TRIB1 (2.4)	DNAJC5G (2.4)
NR1H3 (4.2)	C19orf80 (3.4)	HP (3.0)	APOC1 (2.9)	CD300LG (2.8)
ARID1A (3.2)	VEGFA (2.9)	CYP26A1 (2.8)	ABCA1 (2.7)	TRIB1 (2.6)
CTSB (3.4)	ABCA1 (3.1)	ACP2 (3.0)	GMIP (2.5)	BCL3 (2.4)
TM6SF2 (3.3)	MLXIPL (3.3)	TIMD4 (3.3)	NR1H3 (3.2)	APOC1 (3.2)
APOA1 (3.2)	DOCK6 (3.2)	TAGLN (3.0)	PVRL2 (2.9)	APOB (2.6)
MLXIPL (4.3)	APOA1 (4.2)	APOB (4.2)	APOA4 (4.0)	APOC3 (4.0)
VEGFA (2.6)	C8orf49 (2.5)	PACSIN3 (2.4)	TUBGCP4 (2.3)	SFN (2.2)
NR1H3 (4.0)	TMED5 (3.7)	APOE (3.6)	MLXIPL (3.6)	ANGPTL4 (3.5)
TM6SF2 (3.3)	MLXIPL (3.2)	ENSG00000236267 (3	APOC1 (3.1)	NR1H3 (3.1)
KBTBD4 (3.1)	ZNF408 (2.9)	ZNF335 (2.9)	NRBP1 (2.8)	DR1 (2.6)
CYP7A1 (2.8)	BAZ1B (2.7)	LPA (2.6)	ABHD1 (2.4)	FDFT1 (2.4)
EMILIN1 (2.4)	ARID1A (2.3)	ZNF513 (2.3)	DOCK6 (2.3)	GATAD2A (2.3)
APOE (3.2)	APOA5 (2.9)	DOCK6 (2.9)	GCKR (2.7)	BNC2 (2.6)
KRTCAP3 (2.5)	CSGALNACT1 (2.2)	SFN (2.2)	UCN (2.0)	ACP2 (1.9)
APOA5 (3.3)	APOC1 (3.3)	SLC22A1 (3.2)	APOC4 (3.2)	TIMD4 (2.8)
TM6SF2 (3.6)	LPA (3.6)	RBKS (3.5)	SLC22A1 (3.5)	CYP7A1 (3.4)
GCKR (5.9)	HP (5.9)	TIMD4 (5.9)	SLC22A1 (5.8)	APOA5 (5.7)
ARID1A (2.6)	JMJD1C (2.4)	VEGFA (2.3)	ANGPTL4 (2.2)	ATG4C (2.0)
SFN (4.8)	APOC3 (4.4)	PLTP (4.4)	TIMD4 (4.1)	APOB (4.1)
TM6SF2 (4.6)	APOC4 (4.4)	C19orf80 (3.7)	CYP7A1 (3.7)	SLC22A1 (3.6)
ABCA1 (6.5)	APOA4 (6.2)	F2 (6.1)	NR1H3 (6.0)	LIPC (5.9)
C2orf53 (2.6)	ENSG00000253379 (2	ANGPTL4 (2.6)	CSGALNACT1 (2.4)	SLC5A6 (2.3)
HGFAC (7.1)	ANGPTL3 (7.0)	F2 (6.7)	APOA5 (6.6)	LIPC (5.9)
LRP4 (2.6)	DOCK6 (2.4)	IGF2R (2.4)	KANK2 (2.3)	ABCA1 (2.2)
MLXIPL (3.5)	APOC1 (3.5)	APOC3 (3.4)	ENSG00000223522 (3	APOB (3.3)
RFX4 (2.4)	MAMSTR (2.2)	SLC22A3 (2.1)	ENSG00000236267 (2	ENSG00000253379 (2
KANK2 (3.4)	GATAD2A (3.3)	ARID1A (3.2)	CMIP (3.1)	RASIP1 (3.1)
LIPC (4.3)	TAGLN (4.0)	APOE (3.9)	APOB (3.9)	APOC3 (3.8)
TM6SF2 (4.5)	APOB (4.4)	APOA1 (3.9)	SLC5A6 (3.4)	ANGPTL3 (3.3)
TAGLN (2.6)	ENSG00000254235 (2	EMILIN1 (2.5)	BMPR2 (2.4)	RSPO3 (2.2)
HP (7.7)	APOA5 (7.3)	LIPC (6.8)	HGFAC (6.5)	APOC1 (6.1)
GALNT2 (3.3)	RSPO3 (3.0)	GPAM (2.7)	TBL2 (2.6)	CILP2 (2.5)
MLXIPL (3.7)	HP (3.4)	LPA (3.0)	LPAL2 (2.9)	CD300LG (2.7)
F2 (6.1)	APOA1 (6.1)	LIPC (5.7)	APOB (5.6)	HGFAC (5.4)
KHK (4.7)	FADS2 (4.6)	FADS1 (4.5)	NAT2 (4.3)	ANGPTL3 (4.3)
CTSB (3.3)	FUT2 (3.1)	ACP2 (3.1)	CETP (3.1)	PLTP (2.8)
ABCA1 (3.0)	GMIP (2.9)	SDCBP (2.8)	CETP (2.7)	ACP2 (2.5)
NAGS (2.8)	NAT2 (2.7)	HGFAC (2.7)	SLC22A1 (2.5)	STRC (2.4)
APOC4 (3.8)	GPAM (3.5)	HP (3.4)	APOA5 (3.1)	LPAL2 (3.0)
APOA5 (3.9)	FADS2 (3.4)	APOC4 (3.4)	APOC1 (3.2)	HP (3.0)
ABHD1 (2.4)	ANGPTL4 (2.3)	BRE (2.2)	MPV17 (2.2)	MTCH2 (2.2)
CSGALNACT1 (2.2)	ANGPTL4 (2.0)	SFN (2.0)	UCN (1.9)	APOE (1.9)
LIPC (4.8)	APOA1 (4.4)	APOE (4.2)	APOA5 (4.2)	APOB (4.1)
PVRL2 (2.4)	APOB (2.4)	ABCA1 (2.3)	SFN (2.2)	PTPRJ (2.1)
APOC1 (4.1)	ANGPTL3 (4.1)	CTSB (3.9)	SLC22A1 (3.9)	LPA (3.8)
APOA5 (4.9)	LPA (4.7)	ANGPTL3 (4.5)	APOC4 (4.5)	TM6SF2 (4.2)
CTSB (3.4)	TMED5 (3.2)	ANGPTL3 (3.1)	HP (3.1)	HGFAC (3.0)
APOB (4.9)	TM6SF2 (4.2)	NR0B2 (3.7)	F2 (3.6)	APOC1 (3.6)
GPAM (4.8)	APOA5 (4.7)	APOA4 (4.6)	ANGPTL4 (4.6)	NR1H3 (4.5)

LIPC (4.8)	APOA1 (4.5)	APOB (4.4)	APOA5 (4.1)	APOC4 (4.1)
MAFF (2.5)	PVRL2 (2.5)	PACSIN3 (2.4)	HARBI1 (2.3)	IGF2R (2.2)
GALNT2 (2.6)	IGF2R (2.4)	KDM3A (2.3)	GATAD2A (2.3)	JMJD1C (2.3)
CTSB (3.1)	LPL (2.8)	PLTP (2.2)	EPB41L3 (2.1)	APOC1 (2.1)
C8orf12 (2.3)	FADS2 (2.3)	BCAM (2.1)	SLC30A3 (1.9)	SLC5A6 (1.8)
ABCA1 (3.0)	PGS1 (2.8)	CTSB (2.7)	HP (2.7)	TIMD4 (2.7)
AFF1 (2.6)	PAFAH1B2 (2.6)	VEGFA (2.6)	ZNF408 (2.5)	HGFAC (2.4)
HP (5.7)	LIPC (5.2)	APOC3 (5.1)	APOB (4.5)	APOA5 (4.2)
LIPC (4.8)	APOA1 (4.4)	APOE (4.2)	APOB (4.1)	APOA5 (4.1)
FDFT1 (3.6)	FADS1 (3.5)	APOC3 (3.5)	GCKR (3.3)	F2 (3.1)
RSPO3 (3.3)	PLTP (2.7)	SOST (2.5)	LPL (2.5)	GCKR (2.5)
TBL2 (2.5)	LPA (2.5)	GALNT2 (2.5)	ENSG00000182329 (2	DHODH (2.3)
APOA5 (4.0)	SLC22A1 (3.7)	HP (3.7)	C19orf80 (3.6)	APOA1 (3.5)
HP (6.1)	HGFAC (6.1)	APOA5 (6.0)	APOA1 (5.8)	GCKR (5.8)
C8orf49 (2.6)	MLXIPL (2.6)	APOA4 (2.5)	NR0B2 (2.5)	FADS2 (2.4)
APOA4 (4.1)	CD300LG (3.6)	MLXIPL (3.4)	HP (2.8)	TM6SF2 (2.7)
APOC3 (5.8)	APOA5 (4.7)	TIMD4 (4.5)	CETP (4.5)	APOA4 (4.5)
APOC3 (5.8)	APOA5 (4.7)	TIMD4 (4.5)	CETP (4.5)	APOA4 (4.5)
APOC3 (3.7)	FDFT1 (3.7)	FADS1 (3.7)	GCKR (3.4)	F2 (3.4)
ANGPTL4 (2.5)	GPAM (2.4)	CD300LG (2.4)	LPL (2.2)	LIPC (2.1)
APOA1 (8.1)	APOB (7.5)	F2 (6.4)	NR0B2 (6.1)	APOA5 (5.5)
LIPC (4.5)	TAGLN (4.2)	APOB (4.0)	APOE (3.9)	APOC3 (3.8)
LIPC (2.9)	APOB (2.8)	APOE (2.7)	C19orf80 (2.7)	F2 (2.6)
FADS2 (3.3)	APOA5 (3.3)	BRE (3.0)	KHK (3.0)	FADS1 (3.0)
ARID1A (2.8)	CELF1 (2.6)	DPYSL5 (2.6)	TRIB1 (2.5)	BNC2 (2.3)
APOE (3.1)	SFN (2.8)	CTSB (2.6)	MAFF (2.5)	CSGALNACT1 (2.5)
KHK (2.8)	RBKS (2.7)	PLA2G6 (2.7)	IMMT (2.6)	APOA4 (2.6)
KRTCAP3 (2.5)	CSGALNACT1 (2.3)	SFN (2.1)	UCN (2.1)	ANGPTL4 (2.0)
PVRL2 (2.3)	CCDC92 (2.3)	TAGLN (2.2)	PGS1 (2.1)	DOCK6 (2.1)
CILP2 (2.9)	BMPR2 (2.4)	PTPN13 (2.4)	DHX38 (2.2)	LINC00208 (2.1)
TM6SF2 (4.1)	LPAL2 (3.8)	KHK (3.2)	COBLL1 (3.1)	TIMD4 (2.9)
ABCA1 (2.9)	NR1H3 (2.8)	VEGFA (2.7)	PTPN13 (2.5)	TRIB1 (2.4)
GPAM (3.9)	GALNT2 (3.5)	TMED5 (3.1)	SIDT2 (3.1)	FADS1 (2.9)
GATA4 (2.6)	APOC1 (2.6)	ENSG00000236267 (2	PCIF1 (2.4)	APOA4 (2.3)
VEGFA (2.3)	ABCA1 (2.3)	RFX4 (2.2)	ENSG00000182319 (2	CITED2 (2.1)
TRIB1 (3.4)	CD300LG (3.1)	C19orf80 (2.3)	GPAM (2.3)	COBLL1 (2.2)
APOB (5.7)	APOC1 (4.9)	LIPC (4.4)	APOA4 (4.3)	APOA5 (4.1)
APOB (5.7)	APOC1 (4.9)	LIPC (4.4)	APOA4 (4.3)	APOA5 (4.1)
ANGPTL3 (5.9)	C19orf80 (5.8)	HGFAC (5.4)	F2 (5.3)	LPA (5.1)
ENSG00000222035 (2	CSGALNACT1 (2.3)	SFN (2.1)	ACP2 (2.0)	BMPR2 (2.0)
LPA (3.7)	KHK (3.4)	CYP7A1 (3.3)	LPAL2 (3.3)	ABHD1 (3.2)
C19orf80 (4.2)	HGFAC (4.2)	APOC4 (4.1)	LIPC (4.1)	GCKR (4.1)
CSGALNACT1 (2.7)	HARBI1 (2.6)	GPAM (2.4)	C19orf80 (2.4)	CYP7A1 (2.3)
EMILIN1 (2.5)	TAGLN (2.5)	ENSG00000254235 (2	ANGPTL4 (2.2)	BMPR2 (2.2)
TIMD4 (2.3)	ENSG00000236267 (2	CSGALNACT1 (2.0)	ENSG00000223745 (1	CETP (1.9)
ENSG00000236267 (3	APOB (3.5)	APOC3 (3.5)	LIPC (3.5)	APOC1 (3.4)
ENSG00000236267 (3	APOB (3.5)	APOC3 (3.5)	LIPC (3.5)	APOC1 (3.4)
APOC4 (5.4)	C19orf80 (5.3)	F2 (4.8)	HGFAC (4.7)	APOA1 (4.6)
APOA1 (7.9)	F2 (6.3)	TM6SF2 (5.9)	C19orf80 (5.4)	LIPC (5.2)
APOA4 (9.8)	F2 (8.1)	APOC1 (6.6)	TM6SF2 (6.0)	NR0B2 (5.2)

PYY (2.5)	C8orf49 (2.5)	APOA4 (2.4)	TMEM101 (2.4)	MLXIPL (2.3)
VEGFA (3.2)	HP (3.0)	ANGPTL4 (2.6)	BCL3 (2.4)	APOB (2.4)
SLC22A3 (3.0)	RSPO3 (2.9)	C11orf9 (2.3)	HP (2.2)	GPAM (2.1)
LPA (4.7)	GCKR (4.6)	FADS1 (4.5)	HGFAC (4.4)	NAT2 (4.3)
ABCA1 (3.0)	BCL3 (3.0)	PTPRJ (2.4)	DNAH10 (2.3)	GMIP (2.3)
LPA (3.2)	EMILIN1 (2.9)	APOC4 (2.4)	LPL (2.4)	TIMD4 (2.3)
LIPC (4.6)	APOA1 (3.8)	APOC4 (3.7)	APOE (3.7)	APOA5 (3.6)
NAT2 (2.8)	NAGS (2.7)	HGFAC (2.6)	TECTB (2.6)	SLC22A1 (2.5)
EMILIN1 (2.9)	PDIA3 (2.5)	ACP2 (2.4)	CTSB (2.3)	ANGPTL3 (2.2)
TMED5 (2.6)	FRMD5 (2.6)	SLC22A1 (2.5)	DNAH10 (2.3)	PTCD3 (2.3)
C19orf80 (2.8)	ENSG00000254235 (2	ANGPTL4 (2.5)	MLXIPL (2.3)	TBL2 (2.3)
APOB (7.1)	TM6SF2 (6.4)	F2 (6.2)	C19orf80 (5.9)	APOC1 (5.9)
F2 (8.1)	APOC1 (5.8)	APOA4 (5.4)	LIPC (5.3)	APOA5 (4.9)
EMILIN1 (3.1)	TAGLN (2.7)	F2 (2.7)	ANGPTL3 (2.7)	LPL (2.6)
CYP7A1 (2.7)	EMILIN1 (2.7)	ABCA1 (2.7)	RASIP1 (2.6)	GALNT2 (2.5)
LIPC (6.1)	APOC4 (6.0)	APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)
LIPC (6.1)	APOC4 (6.0)	APOB (5.9)	APOA5 (5.8)	APOC1 (5.6)
PLTP (3.1)	HP (3.0)	BCL3 (2.7)	ENSG00000253379 (2	C19orf80 (2.3)
TAGLN (2.5)	EMILIN1 (2.4)	ENSG00000254235 (2	BMPR2 (2.2)	ANGPTL4 (2.1)
HGFAC (3.4)	F2 (3.3)	ANGPTL3 (3.2)	HP (2.9)	APOA5 (2.8)
KANK2 (3.2)	C8orf49 (3.2)	ZNF513 (2.4)	GATA4 (2.3)	PVRL2 (2.3)
RIC8B (2.6)	HAPLN4 (2.6)	ENSG00000234945 (2	TM6SF2 (2.5)	VEGFA (2.5)
GATAD2A (3.3)	CYP26A1 (3.0)	RASIP1 (3.0)	VEGFA (3.0)	ARID1A (3.0)
APOB (4.4)	GPAM (4.4)	C19orf80 (4.2)	NR1H3 (3.8)	TM6SF2 (3.6)
C19orf80 (4.3)	LPL (4.0)	APOA5 (3.3)	HP (3.2)	TRIM54 (3.0)
CGREF1 (3.2)	NAGS (3.0)	ABHD1 (2.9)	SLC5A6 (2.8)	MLXIPL (2.3)
FDFT1 (5.0)	FADS1 (5.0)	APOA1 (4.9)	APOC1 (4.8)	NR1H3 (4.4)
POLR1A (3.1)	CAD (3.0)	GTF3C2 (2.9)	PPY (2.8)	CKAP5 (2.7)
APOB (6.2)	TM6SF2 (5.5)	APOC1 (5.5)	F2 (5.4)	APOA5 (5.3)
ANGPTL4 (2.9)	PLA2G6 (2.9)	MLXIPL (2.9)	NR1H3 (2.9)	TMED5 (2.8)
FADS2 (4.6)	FADS1 (4.3)	APOE (4.2)	CYP7A1 (4.1)	HGFAC (3.8)
TM6SF2 (2.6)	ENSG00000223522 (2	ENSG00000235545 (2	FDFT1 (2.2)	C8orf49 (2.2)
NR1H3 (3.8)	TM6SF2 (3.2)	APOC1 (3.1)	C19orf80 (2.7)	ABCA1 (2.7)
APOA5 (4.0)	APOC4 (3.7)	GPAM (3.2)	NR0B2 (2.9)	HP (2.9)
ZDHHC18 (2.3)	HP (2.3)	HGFAC (2.2)	NRBF2 (2.2)	IZUMO1 (2.2)
ENSG00000254235 (2	MLXIPL (2.6)	PREB (2.5)	VEGFA (2.5)	GPAM (2.4)
MAFF (2.5)	FUT2 (2.4)	CSGALNACT1 (2.1)	ABCA1 (2.0)	SFN (2.0)
RSPO3 (2.9)	SOST (2.7)	LPL (2.7)	PLTP (2.6)	FZD9 (2.5)
RSPO3 (2.9)	SOST (2.7)	LPL (2.7)	PLTP (2.6)	FZD9 (2.5)
ABCA1 (3.6)	APOE (3.6)	NR1H3 (3.4)	LIPC (3.0)	C19orf80 (2.9)
BCL3 (3.2)	TRIB1 (3.1)	BRE (2.8)	JMJD1C (2.8)	KDM3A (2.4)
APOC1 (8.8)	APOB (8.1)	NR0B2 (6.8)	F2 (6.7)	APOA5 (5.5)
APOC3 (6.0)	APOA5 (4.2)	APOA4 (4.1)	LIPC (3.9)	HGFAC (3.7)
ENSG00000179523 (3	SIDT2 (3.0)	APOA4 (2.8)	PIGV (2.7)	ACP2 (2.5)
LPL (4.0)	ANGPTL4 (3.5)	C19orf80 (3.2)	PYY (2.8)	TMED5 (2.8)
CTSB (2.4)	RBKS (2.3)	APOB (2.3)	MLXIPL (2.3)	FADS1 (2.2)
CSGALNACT1 (2.8)	HARBI1 (2.5)	LPA (2.4)	GPAM (2.4)	CYP7A1 (2.3)
BCAM (3.1)	SLC22A3 (3.0)	PVRL2 (2.5)	NR1H3 (2.2)	RSPO3 (2.2)
LPL (2.7)	ANGPTL4 (2.6)	IGF2R (2.4)	VEGFA (2.3)	CYP26A1 (2.3)
PLTP (2.1)	LPAR2 (1.9)	TM6SF2 (1.9)	AFF1 (1.9)	CGREF1 (1.8)

GCKR (4.6)	APOC4 (4.5)	PLTP (4.5)	HP (4.2)	LPA (4.2)
PVRL2 (2.7)	LPAR2 (2.6)	LIPC (2.3)	C11orf9 (2.3)	PTPRJ (2.3)
HGFAC (2.4)	NEIL2 (2.3)	ENSG00000200241 (2	FZD9 (2.2)	CILP2 (2.2)
GPAM (2.3)	FZD9 (2.2)	LPAL2 (2.2)	ANGPTL4 (2.1)	CGREF1 (2.1)
EMILIN1 (3.0)	RSPO3 (2.8)	VEGFA (2.7)	PVRL2 (2.6)	TAGLN (2.4)
CTSB (2.7)	NR1H3 (2.6)	NAGS (2.6)	SDCBP (2.5)	C19orf80 (2.4)
APOE (4.4)	HP (4.0)	LIPC (4.0)	GCKR (3.9)	ANGPTL3 (3.9)
C8orf49 (3.1)	C11orf9 (2.7)	RSPO3 (2.7)	BCAM (2.6)	ABCA1 (2.5)
ENSG00000254235 (2	EMILIN1 (2.5)	TAGLN (2.4)	CSGALNACT1 (2.3)	BMPR2 (2.3)
TDH (2.3)	C2orf16 (1.9)	UBXN2B (1.9)	C8orf49 (1.9)	ENSG00000256746 (1
ANGPTL4 (3.8)	PYY (3.6)	NR1H3 (2.9)	GPAM (2.9)	COBLL1 (2.8)
APOA4 (4.5)	APOC1 (4.2)	C19orf80 (4.0)	APOB (4.0)	TM6SF2 (3.6)
FDFT1 (5.2)	MLXIPL (5.1)	LPL (3.7)	C19orf80 (3.4)	APOB (3.2)
KHK (5.8)	APOC3 (5.0)	APOA5 (4.3)	HP (4.2)	APOA1 (4.1)
TIMD4 (3.3)	ANGPTL4 (2.7)	VEGFA (2.6)	SDCBP (2.4)	RASIP1 (2.3)
SLC22A1 (4.0)	ANGPTL3 (4.0)	LPA (4.0)	TM6SF2 (3.8)	HGFAC (3.7)
GMIP (3.4)	MAFF (2.7)	ANGPTL4 (2.6)	ZDHHC18 (2.5)	BLK (2.2)
AMBRA1 (3.3)	CITED2 (3.2)	BUD13 (3.0)	MAFF (2.9)	PCIF1 (2.5)
RBKS (2.4)	APOB (2.2)	ABO (2.1)	EMILIN1 (2.1)	REEP3 (2.1)
C19orf80 (4.3)	LIPC (4.1)	ANGPTL3 (4.1)	APOC4 (4.0)	APOA5 (3.9)
PVRL2 (2.4)	PBX4 (2.1)	EPB41L3 (2.1)	TRIB1 (2.0)	VEGFA (2.0)
APOB (8.7)	APOC1 (8.2)	APOA4 (7.4)	LIPC (6.8)	APOA5 (6.4)
APOB (8.7)	APOC1 (8.2)	APOA4 (7.4)	LIPC (6.8)	APOA5 (6.4)
C19orf80 (2.3)	TRIB1 (2.2)	NFE2L3 (2.1)	GMIP (2.1)	ANGPTL3 (2.1)
ZDHHC18 (2.8)	PTPRJ (2.5)	TIMD4 (2.5)	CETP (2.3)	ABCA1 (2.0)
EMILIN1 (3.0)	KANK2 (2.7)	SOST (2.6)	SFN (2.6)	VEGFA (2.5)
C2orf16 (2.2)	HDAC5 (2.1)	VEGFA (2.0)	DUSP3 (1.9)	COBLL1 (1.8)
APOA5 (4.1)	HGFAC (4.0)	CYP7A1 (3.7)	LPA (3.7)	TM6SF2 (3.6)
APOA5 (3.4)	NRBF2 (2.9)	HGFAC (2.6)	EMILIN1 (2.4)	IFT172 (2.2)
C19orf80 (3.9)	FDFT1 (3.7)	FADS2 (3.6)	TM6SF2 (3.3)	APOA4 (3.2)
C19orf80 (4.2)	CD300LG (4.1)	PPY (3.5)	TMED5 (2.8)	APOC1 (2.5)
EMILIN1 (3.2)	RSPO3 (3.2)	TRIB1 (3.0)	LRP4 (2.6)	CSGALNACT1 (2.5)
KHK (2.7)	VEGFA (2.5)	TM6SF2 (2.4)	DNAJC5G (2.2)	LPA (2.0)
KHK (2.7)	VEGFA (2.5)	TM6SF2 (2.4)	DNAJC5G (2.2)	LPA (2.0)
NAGS (2.9)	ENSG00000254235 (2	UCN (2.2)	TECTB (2.2)	KRTCAP3 (2.2)
TIMD4 (3.2)	CETP (3.0)	PLTP (2.8)	ANGPTL4 (2.6)	SDCBP (2.6)
C19orf80 (3.9)	FDFT1 (3.7)	FADS2 (3.6)	TM6SF2 (3.3)	APOA4 (3.2)
APOA5 (3.3)	NRBF2 (2.7)	HGFAC (2.6)	EMILIN1 (2.4)	SUPT7L (2.3)
ABCA1 (2.3)	TIMD4 (2.2)	PYY (2.2)	CETP (2.2)	KRTCAP3 (2.1)
HP (2.7)	RBKS (2.4)	AFF1 (2.4)	C19orf80 (2.3)	SLC22A1 (2.3)
FDFT1 (3.6)	PIGV (3.4)	SLC5A6 (3.1)	TM6SF2 (3.1)	MTCH2 (2.8)
APOA1 (4.3)	GCKR (4.3)	HGFAC (4.2)	HP (4.2)	ANGPTL3 (4.2)
PGS1 (2.9)	MAFF (2.8)	PIGV (2.8)	PTPRJ (2.7)	CETP (2.5)
CLPTM1 (3.3)	NRBP1 (3.1)	ANGPTL3 (2.6)	SOST (2.5)	APOA5 (2.5)
APOA5 (3.2)	HGFAC (2.7)	NRBF2 (2.7)	EMILIN1 (2.5)	C2orf28 (2.3)
SFN (2.7)	KHK (2.7)	ANGPTL3 (2.6)	C1orf172 (2.4)	PACSIN3 (2.2)
APOC3 (7.6)	APOA4 (7.0)	LIPC (6.3)	APOC1 (5.1)	C19orf80 (4.3)
NAGS (3.3)	ENSG00000254235 (2	KRTCAP3 (2.6)	CITED2 (2.4)	KHK (2.2)
GPAM (3.0)	CD300LG (2.6)	C19orf80 (2.6)	ANGPTL4 (2.4)	HP (2.3)
BCL3 (2.6)	ENSG00000236267 (2	C8orf12 (2.2)	GCKR (2.2)	VEGFA (2.2)

APOC3 (4.8)	NR1H3 (4.4)	APOE (4.3)	LIPC (4.0)	APOA5 (3.9)
ENSG00000257711 (2	SLC22A3 (2.6)	ENSG00000256731 (2	GPAM (2.6)	C19orf80 (2.5)
APOA5 (6.5)	LPA (6.5)	HP (5.4)	SLC22A1 (5.4)	LIPC (5.2)
LPL (2.4)	CATSPER2 (2.3)	ENSG00000234945 (2	C2orf53 (1.9)	PIGV (1.7)
LIPC (2.8)	RASIP1 (2.5)	CASC4 (2.3)	LPA (2.1)	HDAC5 (2.1)
GPAM (3.7)	SLC5A6 (3.1)	TM6SF2 (3.1)	MTCH2 (3.0)	PIGV (2.9)
ABCA1 (3.6)	APOA5 (3.6)	APOB (3.6)	NR1H3 (3.4)	APOC4 (3.4)
VEGFA (2.8)	EMILIN1 (2.8)	PVRL2 (2.6)	RSPO3 (2.6)	TAGLN (2.3)
CTSB (4.2)	ABCA1 (3.4)	APOC1 (3.0)	NR1H3 (3.0)	ACP2 (2.9)
CTSB (4.2)	ABCA1 (3.4)	APOC1 (3.0)	NR1H3 (3.0)	ACP2 (2.9)
CYP26A1 (4.2)	MYBPC3 (4.1)	APOB (4.1)	ABCA1 (3.8)	C8orf49 (3.4)
EMILIN1 (2.6)	TIMD4 (2.5)	NR1H3 (2.1)	CASC4 (2.0)	APOE (1.8)
CD300LG (3.1)	LPL (3.0)	NR0B2 (2.8)	SLC22A3 (2.7)	FGF21 (2.7)
FZD9 (2.2)	ENSG00000226645 (2	CILP2 (2.2)	BMPR2 (2.1)	RASIP1 (2.1)
RASIP1 (3.0)	ANGPTL4 (2.9)	CTSB (2.8)	SDCBP (2.5)	C8orf49 (2.4)
NR1H3 (2.3)	CETP (2.1)	EMILIN1 (2.1)	EPB41L3 (1.9)	APOE (1.9)
SDC1 (2.4)	C1orf172 (2.3)	INTS10 (2.2)	LPL (2.1)	ABCA1 (2.1)
SLC5A6 (3.0)	C19orf80 (2.9)	TM6SF2 (2.8)	FADS1 (2.8)	FDFT1 (2.8)
TIMD4 (4.2)	MAFF (3.9)	GMIP (3.4)	NR1H3 (3.2)	CTSB (3.0)
LPAR2 (2.8)	CYP26A1 (2.6)	SDC1 (2.5)	DOCK6 (2.4)	GALNT2 (2.4)
FDFT1 (5.4)	SLC22A1 (5.3)	HGFAC (5.1)	LPA (4.7)	APOC4 (4.6)
ARFGAP2 (3.1)	JMJD1C (3.1)	RSPO3 (2.8)	HDAC5 (2.5)	KDM3A (2.5)
RASIP1 (3.6)	RSPO3 (3.6)	IGF2R (3.4)	C11orf9 (3.3)	C8orf49 (3.0)
VEGFA (2.4)	TM6SF2 (2.4)	RIC8B (2.3)	KHK (2.3)	C19orf80 (2.2)
C19orf80 (2.2)	GPAM (2.1)	DUSP3 (2.0)	HAPLN4 (1.9)	ENSG00000254235 (1
HAVCR1 (2.9)	LIPC (2.8)	ENSG00000236267 (2	TIMD4 (2.7)	APOC4 (2.7)
NFE2L3 (2.4)	COBLL1 (2.1)	CATSPER2 (1.8)	C2orf53 (1.6)	DR1 (1.6)
NAGS (3.2)	KRTCAP3 (2.8)	ENSG00000254235 (2	TECTB (2.2)	KHK (2.2)
ABCA1 (2.2)	ACP2 (2.2)	APOE (2.2)	GMIP (2.0)	ENSG00000222035 (1
SLC22A1 (5.2)	APOA5 (5.1)	CYP7A1 (4.6)	GCKR (4.2)	C19orf80 (4.2)
HP (2.8)	SLC22A1 (2.6)	LPA (2.4)	TRIB1 (2.3)	ANGPTL3 (2.1)
CD300LG (2.8)	BMPR2 (2.8)	VEGFA (2.7)	CSGALNACT1 (2.3)	ENSG00000253379 (2
FDFT1 (5.5)	SLC22A1 (5.3)	HGFAC (5.1)	LPA (4.7)	APOC4 (4.6)
ENSG00000254235 (2	REEP1 (1.9)	PYY (1.9)	HDAC5 (1.8)	C19orf80 (1.8)
KDM3A (2.9)	MLXIPL (2.8)	GPAM (2.6)	ANGPTL4 (2.6)	LPA (2.4)
IGF2R (2.2)	DPYSL5 (2.2)	SDC1 (2.1)	TAGLN (1.9)	ABCA1 (1.9)
TIMD4 (3.5)	APOE (3.1)	ACP2 (3.0)	SLC22A3 (2.9)	FGF21 (2.8)
C19orf80 (3.8)	FADS2 (3.8)	FDFT1 (3.6)	APOA4 (3.3)	TM6SF2 (3.3)
VEGFA (2.9)	EMILIN1 (2.5)	RSPO3 (2.4)	MAFF (2.2)	PVRL2 (2.1)
MLXIPL (2.8)	FGF21 (2.8)	PLA2G6 (2.8)	TMED5 (2.7)	LPAL2 (2.7)
ABCA1 (3.6)	HAVCR1 (3.5)	APOB (3.4)	TIMD4 (3.3)	NR0B2 (3.2)
MAFF (3.0)	LPL (3.0)	FGF21 (2.6)	GPAM (2.6)	APOB (2.6)
APOA1 (5.3)	LIPC (4.8)	APOA5 (4.3)	APOC3 (4.2)	C19orf80 (4.1)
HGFAC (5.9)	APOA5 (5.9)	F2 (5.5)	GCKR (5.4)	LPA (5.0)
MAMSTR (1.9)	PBX4 (1.9)	DDB2 (1.9)	C19orf80 (1.7)	MAFF (1.7)
APOA1 (3.8)	HGFAC (3.8)	GCKR (3.7)	APOC1 (3.7)	LIPC (3.6)
EMILIN1 (3.0)	VEGFA (2.7)	RSPO3 (2.7)	PVRL2 (2.6)	TAGLN (2.4)
BCL3 (2.3)	EMILIN1 (2.2)	LIPC (2.0)	MAFF (2.0)	TUBGCP4 (1.9)
APOC4 (4.7)	SLC22A1 (4.6)	LPA (4.3)	PLTP (4.3)	APOC1 (4.2)
APOC3 (7.8)	LIPC (6.0)	APOA5 (5.7)	HP (5.2)	C19orf80 (4.6)

APOC3 (7.8)	LIPC (6.0)	APOA5 (5.7)	HP (5.2)	C19orf80 (4.6)
DOCK6 (2.1)	RASIP1 (2.1)	GATA4 (2.0)	KANK2 (1.9)	CYP26A1 (1.9)
APOC4 (5.5)	GCKR (5.4)	HGFAC (5.1)	NAT2 (5.0)	KHK (4.9)
ABCA1 (2.9)	EMILIN1 (2.7)	FZD9 (2.7)	VEGFA (2.6)	RFX4 (2.3)
TAGLN (3.4)	KANK2 (2.5)	RSPO3 (2.2)	VEGFA (2.1)	LIPC (2.0)
APOA1 (5.4)	LIPC (5.2)	HGFAC (4.9)	APOA5 (4.8)	APOC1 (4.5)
VEGFA (3.0)	AFF1 (2.8)	STRC (2.7)	PCIF1 (2.6)	KDM3A (2.5)
HP (5.4)	APOA5 (5.2)	APOC4 (4.7)	APOC3 (4.6)	APOA1 (4.6)
CD300LG (3.6)	ABHD1 (3.4)	ENSG00000236267 (3	TIMD4 (3.2)	CYP7A1 (3.0)
APOA1 (6.6)	APOC1 (6.5)	F2 (5.8)	TM6SF2 (4.8)	FADS1 (4.3)
PVRL2 (2.7)	ARHGAP1 (2.3)	ANGPTL4 (2.3)	C11orf9 (2.2)	JMJD1C (2.1)
APOE (4.9)	APOA1 (4.6)	LIPC (4.6)	HP (4.2)	APOA5 (3.9)
COBLL1 (2.9)	LPL (2.7)	BNC2 (2.6)	EMILIN1 (2.3)	CGREF1 (2.3)
CETP (2.0)	SFN (2.0)	ACP2 (2.0)	CSGALNACT1 (1.9)	EMILIN1 (1.9)
AFF1 (2.4)	APOC1 (2.4)	LIPC (2.1)	SLC22A1 (2.1)	GCKR (2.1)
APOB (5.4)	LIPC (5.2)	HGFAC (5.0)	APOA5 (4.9)	APOC1 (4.5)
FEN1 (3.0)	BAZ1B (2.6)	NSMAF (2.5)	WDR76 (2.5)	CKAP5 (2.5)
EMILIN1 (3.4)	BCAM (3.0)	RASIP1 (2.7)	SDC1 (2.5)	DOCK6 (2.5)
CSGALNACT1 (2.3)	C2orf16 (2.2)	ABCA1 (2.1)	PMFBP1 (2.1)	BCL3 (2.0)
LPA (3.7)	KDM3A (3.5)	HGFAC (3.1)	CYP7A1 (3.0)	APOA5 (2.9)
GCKR (4.2)	PPY (4.1)	HGFAC (4.1)	ANGPTL3 (4.0)	LPA (4.0)
CMIP (2.9)	GALNT2 (2.7)	STRC (2.5)	ANGPTL4 (2.3)	PLTP (2.3)
APOB (5.0)	LIPC (4.3)	BCAM (4.1)	APOE (3.9)	APOA1 (3.9)
TMED5 (3.2)	APOA5 (3.0)	GPAM (2.9)	CGREF1 (2.8)	NR1H3 (2.7)
LIPC (6.3)	APOC3 (6.0)	APOB (5.9)	APOA5 (5.7)	APOC1 (5.4)
GPAM (3.5)	DHODH (3.3)	C19orf80 (2.9)	BRE (2.8)	FDFT1 (2.8)
HARBI1 (2.5)	RIC8B (2.4)	PPY (2.3)	NAGS (2.1)	SLC22A3 (2.0)
LPL (2.7)	GPAM (2.7)	PPY (2.7)	FGF21 (2.6)	LIPC (2.5)
FDFT1 (2.3)	FADS1 (2.3)	FZD9 (2.3)	FADS2 (2.2)	CITED2 (2.0)
APOA1 (6.8)	APOC3 (6.1)	F2 (5.8)	NR0B2 (4.9)	LIPC (4.8)
APOA5 (3.1)	LPA (3.0)	LPL (2.9)	FRMD5 (2.9)	PREB (2.8)
APOB (8.4)	LIPC (6.0)	APOC1 (5.9)	APOA5 (5.6)	ANGPTL3 (5.0)
ENSG00000253379 (3	VEGFA (2.4)	KANK2 (2.4)	JMJD1C (2.4)	PVRL2 (2.4)
AFF1 (2.3)	LPL (2.2)	SDC1 (2.2)	IGF2R (2.2)	GALNT2 (2.2)
CYP7A1 (5.6)	GCKR (5.2)	APOC4 (5.1)	LPA (4.4)	ANGPTL3 (4.3)
APOA1 (5.0)	LIPC (4.8)	HGFAC (4.5)	APOA5 (4.4)	APOC1 (4.2)
CYP7A1 (6.2)	TM6SF2 (5.8)	APOC4 (5.5)	HGFAC (5.1)	APOA5 (4.7)
IGF2R (3.0)	BCL3 (2.8)	SFN (2.4)	STRC (2.4)	C11orf9 (2.3)
C2orf53 (2.1)	HP (2.0)	KDM3A (2.0)	C2orf16 (2.0)	TIMD4 (1.9)
KHK (3.6)	MTCH2 (3.5)	DOCK7 (3.4)	C19orf80 (3.4)	APOA4 (3.3)
ANGPTL3 (3.5)	ABHD1 (3.1)	NR1H3 (3.0)	NAT2 (2.9)	MTCH2 (2.8)
PVRL2 (3.3)	BMPR2 (2.8)	MYBPC3 (2.6)	TRIM54 (2.4)	GATA4 (2.4)
GCKR (5.0)	HGFAC (4.9)	NAT2 (4.7)	APOA5 (4.7)	ANGPTL3 (4.5)
GMIP (2.9)	MAFF (2.8)	NFE2L3 (2.5)	PTPRJ (2.4)	ACP2 (2.4)
LIPC (6.6)	APOA1 (6.5)	APOC1 (6.4)	ANGPTL3 (4.8)	APOA4 (4.5)
APOA4 (5.5)	APOC3 (5.1)	APOA1 (4.8)	LIPC (4.8)	APOC1 (4.7)
APOA1 (5.4)	LIPC (5.1)	HGFAC (4.8)	APOA5 (4.7)	APOC1 (4.4)
ENSG00000257711 (2	NAGS (2.1)	ENSG00000235545 (2	DNAH10 (1.9)	NFE2L3 (1.9)
BMPR2 (3.0)	DHX38 (2.7)	GATAD2A (2.5)	CLPTM1 (2.4)	CITED2 (2.3)
APOB (5.1)	LIPC (4.4)	BCAM (4.1)	APOA1 (4.1)	APOE (3.9)

ABCA1 (2.2)	ACP2 (2.1)	EPB41L3 (2.0)	APOE (1.9)	EMILIN1 (1.9)
DDB2 (3.3)	PLTP (3.0)	CETP (2.9)	ANGPTL4 (2.8)	APOE (2.5)
TBL2 (4.9)	PPY (4.6)	ATG13 (3.6)	PYY (3.3)	TMED5 (3.1)
LPA (2.6)	VEGFA (2.4)	AGBL2 (2.4)	BUD13 (2.3)	SUPT7L (2.2)
GPAM (4.0)	TMED5 (3.4)	NR1H3 (2.7)	PLA2G6 (2.4)	APOC1 (2.4)
ACP2 (3.3)	VEGFA (2.9)	APOC1 (2.6)	TMEM101 (2.5)	TIMD4 (2.4)
ANGPTL4 (3.6)	ABCA1 (3.4)	C19orf80 (3.1)	APOC1 (3.0)	AFF1 (2.9)
GCKR (2.7)	MLXIPL (2.6)	PCIF1 (2.6)	ARID1A (2.5)	MAU2 (2.4)
APOC1 (3.7)	GCKR (3.5)	ABCA1 (3.2)	NR1H3 (2.9)	CTSB (2.8)
MFAP1 (2.8)	DHX38 (2.7)	KBTBD4 (2.7)	F2 (2.6)	SUGP1 (2.5)
ENSG00000179523 (2	AGBL2 (2.7)	NAGS (2.6)	HGFAC (2.6)	C2orf16 (2.6)
KHK (3.1)	PREB (3.1)	ACP2 (2.9)	G6PC3 (2.8)	ANGPTL3 (2.6)
NR0B2 (2.3)	CD300LG (2.3)	CILP2 (2.3)	FUT1 (2.2)	ENSG00000222035 (2
LIPC (4.4)	ANGPTL3 (4.4)	APOC1 (4.2)	APOA1 (4.0)	APOA5 (3.8)
VEGFA (3.2)	KHK (3.1)	ANGPTL4 (2.7)	APOC1 (2.6)	LPL (2.6)
C19orf80 (5.3)	APOC4 (5.1)	APOA5 (4.7)	APOA1 (4.7)	APOC3 (4.6)
ANGPTL3 (4.4)	APOC4 (4.3)	GCKR (4.2)	NAT2 (4.0)	HGFAC (3.7)
HP (6.4)	APOA5 (6.3)	SLC22A1 (6.3)	HGFAC (6.0)	GCKR (5.5)
CLPTM1 (3.1)	PTPRJ (2.8)	TRIB1 (2.7)	CSGALNACT1 (2.5)	EMILIN1 (2.3)
APOE (2.2)	ENSG00000253379 (2	ACP2 (2.0)	EPB41L3 (2.0)	NR0B2 (2.0)
TDH (2.3)	FZD9 (2.2)	MLXIPL (2.1)	ENSG00000223745 (2	GPAM (2.0)
APOA1 (3.2)	CILP2 (3.2)	APOC3 (3.1)	ANGPTL3 (3.0)	LIPC (3.0)
LPL (3.3)	ABCA1 (3.1)	ANGPTL4 (2.8)	GALNT2 (2.5)	TRIB1 (2.5)
LIPC (5.7)	HP (5.5)	HGFAC (5.0)	APOA5 (4.8)	SLC22A1 (4.4)
PLTP (3.1)	CTSB (3.0)	SDC1 (2.3)	PDIA3 (2.3)	TMEM175 (2.2)
APOA1 (5.9)	APOC3 (5.5)	F2 (5.2)	APOE (4.4)	LIPC (4.4)
CYP7A1 (5.4)	GCKR (5.3)	NAT2 (5.2)	APOA5 (4.7)	APOC4 (4.4)
PGS1 (3.0)	C1orf172 (2.6)	TDH (2.3)	C2orf16 (2.3)	ENSG00000235545 (2
BCAM (3.3)	RASIP1 (3.0)	APOE (2.9)	LPL (2.9)	CILP2 (2.6)
APOB (5.0)	LIPC (4.3)	BCAM (4.2)	APOA1 (4.0)	APOE (3.7)
APOA1 (4.1)	LIPC (3.6)	ANGPTL3 (3.3)	HGFAC (3.1)	NR0B2 (3.1)
ENSG00000257711 (2	CD300LG (2.0)	TRIB1 (1.9)	ZDHHC18 (1.8)	ENSG00000182319 (1
PYY (2.8)	MAFF (2.4)	NAT2 (2.3)	GPAM (2.3)	LPL (2.3)
GCKR (2.3)	LIPC (2.3)	ENSG00000257711 (2	NAGS (2.2)	MLXIPL (2.2)
ATP13A1 (2.4)	AGBL2 (2.2)	NR0B2 (2.1)	CCDC121 (2.1)	PLTP (2.0)
RBKS (4.7)	TM6SF2 (4.6)	ANGPTL3 (4.4)	HGFAC (3.7)	KHK (3.6)
ABHD1 (2.6)	FAM167A (2.4)	EPB41L3 (2.3)	ABCA1 (2.1)	ANGPTL3 (2.0)
MYBPC3 (2.4)	SDC1 (2.4)	SFN (2.4)	GMIP (2.2)	MPP3 (2.1)
GATAD2A (2.6)	PTPN13 (2.4)	C1orf172 (2.4)	REEP3 (2.2)	BMPR2 (2.2)
APOC3 (5.6)	APOA5 (4.5)	LIPC (4.5)	HP (4.1)	C19orf80 (4.0)
FUT2 (2.6)	C8orf49 (2.4)	APOA4 (2.3)	ABCA1 (2.2)	LIPC (2.2)
TRIB1 (3.0)	CCDC18 (3.0)	PGS1 (2.8)	ENSG00000223522 (2	LRP4 (2.7)
JMJD1C (2.7)	GTF3C2 (2.6)	BRE (2.6)	SLC22A3 (2.5)	ZNF335 (2.5)
CTSB (2.9)	ENSG00000254235 (2	NR1H3 (2.7)	FUT2 (2.6)	PLTP (2.4)
TBL2 (2.2)	HGFAC (2.2)	CCDC18 (2.1)	PYY (2.1)	ZNF664 (2.1)
NR1H3 (3.4)	LPL (3.4)	ENSG00000234945 (3	C19orf80 (3.1)	APOA1 (3.0)
LPA (3.3)	APOC3 (3.2)	ANGPTL3 (3.2)	APOA1 (3.1)	HP (2.9)
LIPC (4.0)	APOB (3.8)	APOA1 (3.8)	APOA5 (3.6)	APOC3 (3.3)
FNDC4 (3.1)	HP (3.1)	PVRL2 (2.8)	C19orf80 (2.7)	APOC4 (2.5)
C11orf9 (2.5)	ABCA1 (2.5)	APOE (2.5)	GMIP (2.4)	TIMD4 (2.4)

F2 (4.5)	APOC1 (4.5)	APOC3 (4.5)	APOA1 (4.4)	TMED5 (3.4)
PTPRJ (2.8)	NRBP1 (2.6)	MAFF (2.4)	FUT2 (2.3)	ENSG00000223745 (2
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
NR1H3 (3.7)	APOE (3.5)	NR0B2 (3.4)	APOB (3.4)	ABCA1 (3.4)
CETP (2.6)	APOC3 (2.6)	APOA1 (2.5)	F2 (2.5)	CMIP (2.5)
CBLC (2.6)	SPG11 (2.5)	POLR1A (2.3)	DOCK6 (2.2)	FUT1 (2.2)
ZDHHC18 (2.7)	PGS1 (2.6)	TRIB1 (2.2)	PTPN13 (2.0)	AFF1 (1.9)
CBLC (3.3)	PPY (2.3)	CTSB (2.2)	BMPR2 (2.1)	KLF14 (2.1)
TM6SF2 (2.3)	FUT2 (2.1)	LPA (2.0)	LPAL2 (2.0)	VEGFA (2.0)
NAT2 (5.9)	GCKR (5.8)	APOC4 (5.6)	HGFAC (5.5)	TM6SF2 (5.3)
TIMD4 (3.7)	PVRL2 (3.4)	CD300LG (2.6)	GATA4 (2.5)	BCAM (2.5)
KHK (4.7)	HGFAC (4.1)	LPA (4.1)	APOC4 (4.0)	CYP7A1 (4.0)
FADS1 (3.2)	GPAM (3.2)	MTCH2 (3.1)	IMMT (2.9)	ANGPTL3 (2.8)
PLA2G6 (3.0)	NR1H3 (2.8)	NAGS (2.6)	GPAM (2.6)	NEIL2 (2.3)
CTSB (2.7)	UCN (2.3)	TBL2 (2.0)	NAGS (2.0)	ANGPTL4 (2.0)
APOC1 (2.9)	LPL (2.8)	ENSG00000257711 (2	ACP2 (2.6)	ABCA1 (2.5)
MLXIPL (4.1)	TMED5 (3.8)	COBLL1 (3.2)	NR1H3 (3.1)	CD300LG (2.7)
APOE (3.5)	APOC1 (2.9)	NR1H3 (2.9)	APOA5 (2.8)	LIPC (2.8)
APOB (4.6)	KHK (4.4)	F2 (4.2)	HP (4.2)	ANGPTL4 (4.0)
APOC3 (6.8)	LIPC (6.0)	APOA5 (5.8)	HP (4.7)	C19orf80 (4.7)
ENSG00000234945 (2	MAFF (2.5)	DOCK7 (2.3)	KANK2 (2.3)	ARID1A (2.1)
GPAM (4.5)	COBLL1 (4.0)	NR1H3 (3.4)	NR0B2 (3.2)	LPL (3.0)
ABCA1 (3.2)	CYP26A1 (2.9)	C8orf12 (2.9)	FNDC4 (2.7)	SIDT2 (2.6)
APOC3 (8.1)	LIPC (6.0)	APOA5 (5.6)	ANGPTL3 (5.0)	HP (4.9)
CITED2 (4.0)	NRBF2 (3.3)	VEGFA (2.8)	BCL3 (2.7)	TXNL4B (2.2)
LRP4 (3.2)	CILP2 (3.2)	CYP26A1 (2.9)	CD300LG (2.8)	EMILIN1 (2.7)
GALNT2 (2.7)	GCKR (2.6)	LIPC (2.5)	APOA4 (2.5)	FUT2 (2.2)
APOC3 (6.6)	LIPC (5.5)	APOA5 (5.3)	C19orf80 (4.5)	HP (4.5)
GPAM (3.5)	CD300LG (3.1)	KHK (3.1)	MAPK10 (2.7)	TMED5 (2.7)
APOA4 (5.4)	APOC3 (5.2)	TIMD4 (4.9)	APOA1 (4.8)	APOC1 (4.8)
APOB (5.7)	NAGS (5.7)	APOC3 (5.6)	APOC4 (5.5)	TM6SF2 (5.2)
LIPC (4.8)	ANGPTL3 (4.4)	APOA1 (4.3)	APOA5 (4.3)	APOC4 (4.2)
ENSG00000182319 (2	BMPR2 (2.4)	CYP26A1 (2.3)	ARID1A (2.0)	ABO (2.0)
MADD (2.5)	LPL (2.5)	CD300LG (2.5)	TMED5 (2.5)	MAFF (2.4)
BCAM (3.2)	PLTP (2.9)	HGFAC (2.8)	SLC22A1 (2.6)	SDC1 (2.6)
ENSG00000182319 (2	KANK2 (2.6)	PVRL2 (2.3)	GMIP (2.3)	MYBPC3 (2.0)
APOC3 (7.5)	LIPC (5.7)	APOA5 (5.0)	ANGPTL3 (5.0)	HP (4.4)
LRP4 (2.4)	ENSG00000236267 (2	ENSG00000182319 (2	CSGALNACT1 (2.2)	SFN (2.2)
BCL3 (3.4)	CTSB (2.9)	DUSP3 (2.8)	GCKR (2.7)	NR0B2 (2.7)
LPL (2.4)	FZD9 (2.4)	EMILIN1 (2.3)	BNC2 (2.2)	RSPO3 (2.2)
APOB (5.2)	APOA1 (5.1)	APOA5 (5.1)	HGFAC (5.0)	C19orf80 (4.9)
FADS1 (3.6)	C19orf80 (3.5)	FADS2 (3.5)	ENSG00000223522 (3	GCKR (3.3)
LPL (2.7)	BCL3 (2.7)	TRIB1 (2.6)	ANGPTL4 (2.5)	TIMD4 (2.3)
SLC22A1 (3.0)	KHK (2.9)	HGFAC (2.8)	CYP7A1 (2.6)	ANGPTL3 (2.5)
APOC3 (6.7)	LIPC (5.4)	APOA5 (5.3)	C19orf80 (4.7)	ANGPTL3 (4.4)
GPAM (3.2)	MTCH2 (3.1)	TRIM54 (3.1)	HP (2.8)	ANGPTL4 (2.8)
SDC1 (2.4)	SFN (2.4)	MYBPC3 (2.3)	FRMD5 (2.3)	GMIP (2.2)
ZDHHC18 (2.7)	BCL3 (2.7)	PTPRJ (2.7)	ABCA1 (2.3)	MAFF (2.2)
IGF2R (2.4)	ABO (2.3)	NCAN (2.2)	GATAD2A (2.2)	GALNT2 (2.0)

VEGFA (2.3)	CD300LG (2.2)	ENSG00000257711 (2	EMILIN1 (1.8)	DUSP3 (1.8)
FADS2 (3.2)	LPAL2 (3.1)	GPAM (3.1)	SLC22A1 (3.0)	NAT2 (3.0)
APOE (3.2)	SLC22A1 (2.9)	NR1H3 (2.3)	ABCA1 (2.1)	APOC1 (2.0)
APOA4 (5.4)	APOC3 (5.1)	APOA1 (4.9)	APOC1 (4.7)	LIPC (4.6)
BCL3 (2.5)	ZDHHC18 (2.4)	RSPO3 (2.2)	FGF21 (2.1)	CTSB (2.0)
ARID1A (2.6)	LRP4 (2.4)	RFX4 (2.4)	DOCK7 (2.4)	PVRL2 (2.3)
CYP26A1 (2.7)	CITED2 (2.4)	NFE2L3 (2.4)	EMILIN1 (2.3)	TAGLN (2.3)
FADS1 (5.3)	NAT2 (4.4)	GCKR (4.1)	LPA (3.9)	HGFAC (3.8)
MLXIPL (4.1)	GPAM (3.4)	PYY (2.8)	APOA5 (2.8)	APOA4 (2.6)
NUP160 (3.0)	CAD (2.8)	GTF3C2 (2.8)	POLR1A (2.7)	PPY (2.7)
CELF1 (3.4)	CAD (3.3)	LPA (3.2)	POLR1A (3.0)	EIF3J (3.0)
ZDHHC18 (3.1)	CTSB (3.1)	CETP (3.0)	ABCA1 (3.0)	LPL (2.8)
ACP2 (2.6)	EMILIN1 (2.4)	CETP (2.4)	ANGPTL4 (2.0)	NR1H3 (1.9)
EMILIN1 (2.8)	APOA1 (2.6)	CYP26A1 (2.6)	TUBGCP4 (2.5)	APOA5 (2.2)
MAFF (2.6)	LPL (2.6)	SDCBP (2.5)	CILP2 (2.5)	ABCA1 (2.5)
HP (2.8)	APOA5 (2.8)	APOA1 (2.6)	BCL3 (2.4)	CTSB (2.3)
SFN (3.3)	C1orf172 (3.2)	MYBPC3 (3.1)	RASIP1 (2.9)	ENSG00000182319 (2
F2 (3.4)	C19orf80 (3.0)	GCKR (3.0)	HGFAC (3.0)	ENSG00000234945 (2
MYBPC3 (3.0)	NR0B2 (2.8)	VEGFA (2.7)	BCAM (2.5)	C11orf9 (2.3)
TM6SF2 (2.5)	ENSG00000256746 (2	SLC22A1 (2.5)	ENSG00000255020 (2	KHK (2.3)
DNAJC5G (1.9)	SDC1 (1.8)	SFN (1.8)	CBLC (1.8)	IZUMO1 (1.7)
TIMD4 (5.5)	APOA4 (5.3)	APOC3 (5.2)	APOA1 (5.0)	APOC1 (4.7)
F2 (2.5)	SFN (2.5)	LIPC (2.5)	HP (2.5)	CBLC (2.5)
TAGLN (2.9)	KANK2 (2.7)	RSPO3 (2.5)	PVRL2 (2.3)	DOCK6 (2.3)
APOB (5.1)	LIPC (4.3)	BCAM (4.1)	APOA1 (3.9)	APOE (3.8)
ATG4C (2.4)	DHX38 (2.4)	MADD (2.3)	DDB2 (2.3)	CLPTM1 (2.3)
SLC22A1 (4.2)	CBLC (3.8)	APOC4 (3.7)	APOA5 (3.6)	GCKR (3.2)
PGS1 (3.6)	ABCA1 (2.7)	HP (2.5)	CITED2 (2.2)	ATG4C (2.1)
PLTP (3.2)	IGF2R (3.0)	BCAM (2.8)	RASIP1 (2.8)	APOC1 (2.7)
FADS1 (2.9)	APOC3 (2.8)	APOC1 (2.7)	APOE (2.7)	HGFAC (2.7)
APOC3 (7.4)	LIPC (5.8)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)
ABO (3.8)	HGFAC (3.3)	NR0B2 (2.9)	CYP7A1 (2.9)	C11orf9 (2.8)
NRBF2 (2.8)	LPAR2 (2.6)	CBLC (2.5)	ZDHHC18 (2.5)	ZNF335 (2.5)
SUPT7L (3.5)	DHODH (3.2)	NR0B2 (2.5)	HARBI1 (2.5)	NDUFS3 (2.4)
ENSG00000256731 (3	SLC5A6 (3.0)	TIMD4 (2.9)	ZDHHC18 (2.5)	ABCA1 (2.5)
GPAM (2.9)	AMBRA1 (2.9)	ARFGAP2 (2.6)	TMED5 (2.3)	ZNF408 (2.3)
DNAH10 (3.0)	PVRL2 (2.9)	TBL2 (2.8)	IGF2R (2.7)	HP (2.6)
NR1H3 (4.3)	APOC1 (3.6)	ABCA1 (3.5)	CTSB (3.2)	GCKR (3.0)
SDC1 (2.8)	TP53BP1 (2.7)	TAGLN (2.7)	SFN (2.3)	SOST (2.3)
APOC4 (2.9)	HGFAC (2.7)	LIPC (2.6)	F2 (2.6)	APOC3 (2.5)
ANGPTL4 (2.6)	ZDHHC18 (2.5)	SLC22A3 (2.4)	ENSG00000256731 (2	BLK (2.3)
KRTCAP3 (3.3)	C1orf172 (3.1)	CBLC (2.9)	PLTP (2.4)	GMIP (2.4)
APOE (3.2)	PLTP (3.0)	APOC1 (3.0)	MAPK10 (2.7)	TMED5 (2.7)
GMIP (2.6)	PGS1 (2.6)	JMJD1C (2.6)	ZNF513 (2.6)	PTPRJ (2.5)
RASIP1 (3.5)	BCAM (3.4)	FRMD5 (3.2)	CD300LG (2.6)	ENSG00000253379 (2
GCKR (4.2)	APOC4 (4.2)	HGFAC (3.9)	LPAL2 (3.9)	CETP (3.4)
APOC3 (7.4)	LIPC (5.8)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)
LPL (2.4)	EPB41L3 (2.3)	PCSK7 (2.3)	RASIP1 (2.3)	AFF1 (2.2)
ENSG00000254235 (2	DNAH10 (2.5)	KHK (2.5)	G6PC3 (2.4)	CYP26A1 (2.4)
LIPC (6.5)	F2 (6.3)	HGFAC (6.0)	APOC3 (5.6)	APOA1 (5.5)

NAT2 (3.1)	CGREF1 (2.9)	CYP7A1 (2.7)	KHK (2.7)	ENSG00000236267 (2
APOC1 (3.6)	APOE (3.6)	APOB (3.3)	PLTP (3.2)	NR1H3 (3.1)
TRIB1 (2.1)	MAFF (2.0)	CMIP (2.0)	CSGALNACT1 (1.9)	CETP (1.7)
ENSG00000236827 (2	DOCK6 (2.3)	ABHD1 (2.3)	ENSG00000257711 (2	SLC22A3 (2.1)
ANGPTL3 (3.1)	ABHD1 (3.0)	HGFAC (2.9)	NAT2 (2.9)	RBKS (2.7)
ANGPTL3 (3.1)	ABHD1 (3.0)	HGFAC (2.9)	NAT2 (2.9)	RBKS (2.7)
NR1H3 (2.6)	LPL (2.3)	CSGALNACT1 (2.3)	BLK (2.1)	ENSG00000222035 (2
APOC3 (7.4)	LIPC (5.7)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)
APOC3 (7.4)	LIPC (5.7)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)
PREB (2.5)	TP53BP1 (2.2)	KHK (2.1)	EIF2B4 (2.1)	ANGPTL3 (1.9)
BNC2 (3.3)	FZD9 (3.0)	EMILIN1 (2.4)	DOCK6 (2.3)	KANK2 (2.0)
APOC3 (6.8)	LIPC (5.5)	APOA5 (5.2)	C19orf80 (4.4)	ANGPTL3 (4.4)
LRP4 (3.1)	FAM167A (2.9)	C11orf9 (2.8)	RFX4 (2.8)	CBLC (2.5)
ENSG00000253379 (2	REEP3 (2.5)	PTPN13 (2.3)	RSPO3 (2.1)	SDC1 (2.1)
TM6SF2 (3.8)	NR0B2 (3.1)	ABCA1 (3.0)	KHK (2.8)	GCKR (2.7)
CYP7A1 (7.5)	SLC22A1 (5.5)	HGFAC (5.0)	GCKR (4.8)	KHK (4.7)
LRP4 (2.7)	KDM3A (2.6)	ARID1A (2.5)	LIPC (2.5)	CBLC (2.4)
APOC3 (3.7)	TBL2 (3.6)	CTSB (3.1)	F2 (2.9)	C2orf28 (2.9)
SDC1 (2.7)	DOCK6 (2.6)	PTPN13 (2.6)	BNC2 (2.2)	EMILIN1 (2.1)
APOA4 (5.3)	APOC3 (5.1)	APOA1 (4.8)	TIMD4 (4.6)	LIPC (4.6)
CBLC (3.0)	ABCA1 (2.9)	BCAM (2.5)	LPAL2 (2.3)	CTSB (2.3)
FRMD5 (2.8)	COBLL1 (2.5)	ENSG00000254235 (2	HGFAC (2.4)	LPAL2 (2.2)
FRMD5 (2.8)	COBLL1 (2.5)	ENSG00000254235 (2	HGFAC (2.4)	LPAL2 (2.2)
GALNT2 (2.3)	KDM3A (2.3)	TDH (1.9)	CETP (1.8)	FADS2 (1.7)
ABHD1 (3.3)	FDFT1 (2.5)	KHK (2.5)	NR1H3 (2.4)	LPA (2.4)
CTSB (2.8)	CASC4 (2.8)	APOA1 (2.7)	F2 (2.5)	CBLC (2.5)
TMED5 (3.1)	COBLL1 (3.1)	IMMT (2.9)	PLA2G6 (2.6)	FDFT1 (2.6)
APOC3 (7.4)	LIPC (5.7)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.3)
CTSB (4.4)	NR1H3 (3.4)	APOC1 (3.3)	ABCA1 (3.2)	ACP2 (2.5)
CTSB (4.4)	NR1H3 (3.4)	APOC1 (3.3)	ABCA1 (3.2)	ACP2 (2.5)
SDCBP (3.1)	NAGS (2.8)	LPA (2.7)	GCKR (2.7)	ENSG00000254235 (2
MTCH2 (3.2)	SLC22A1 (2.9)	IMMT (2.8)	GPAM (2.8)	ABHD1 (2.7)
ANGPTL4 (3.2)	EMILIN1 (2.9)	RASIP1 (2.8)	TBL2 (2.8)	BCAM (2.8)
APOC3 (7.6)	LIPC (5.9)	APOA5 (5.2)	ANGPTL3 (4.9)	HP (4.5)
CYP26A1 (3.4)	BCAM (3.2)	HGFAC (2.9)	APOC4 (2.9)	APOC3 (2.8)
TRIM54 (3.3)	C8orf49 (3.0)	KDM3A (2.8)	BCAM (2.7)	FRMD5 (2.6)
APOC3 (7.3)	LIPC (5.7)	APOA5 (5.0)	ANGPTL3 (4.7)	HP (4.3)
ENSG00000234945 (3	APOA1 (3.2)	ENSG00000223522 (3	C19orf80 (3.1)	LPL (3.0)
ENSG00000234945 (3	APOA1 (3.2)	ENSG00000223522 (3	C19orf80 (3.1)	LPL (3.0)
ENSG00000234945 (3	APOA1 (3.2)	ENSG00000223522 (3	C19orf80 (3.1)	LPL (3.0)
NR1H3 (3.7)	LIPC (3.7)	NR0B2 (3.5)	APOA1 (3.5)	APOB (3.4)
NR1H3 (3.7)	LIPC (3.7)	NR0B2 (3.5)	APOA1 (3.5)	APOB (3.4)
TM6SF2 (5.5)	NAT2 (5.4)	KHK (5.4)	GCKR (5.4)	APOC4 (5.2)
PTPRJ (2.9)	CETP (2.8)	ZDHHC18 (2.3)	PBX4 (2.3)	TIMD4 (2.2)
ENSG00000223745 (2	ANGPTL4 (2.2)	C19orf80 (2.2)	C2orf16 (2.1)	C2orf53 (2.0)
ENSG00000257711 (3	APOB (2.7)	APOA1 (2.6)	TUBGCP4 (2.5)	APOE (2.5)
CD300LG (3.8)	C19orf80 (3.0)	KLF14 (2.7)	COBLL1 (2.6)	ANGPTL3 (2.6)
APOA4 (5.2)	TIMD4 (4.8)	APOC3 (4.8)	APOA1 (4.7)	LIPC (4.6)
APOA5 (5.2)	APOB (5.0)	APOC4 (4.8)	APOC3 (4.7)	APOA1 (4.5)
HGFAC (5.4)	TM6SF2 (5.3)	GCKR (5.2)	CYP7A1 (5.0)	LPAL2 (4.6)

STRC (2.4)	RASIP1 (2.4)	BNC2 (2.4)	DOCK6 (2.0)	FZD9 (1.9)
NR0B2 (2.7)	GCKR (2.4)	FGF21 (2.2)	FNDC4 (2.2)	CD300LG (2.1)
FUT1 (2.2)	SUPT7L (2.1)	FRMD5 (1.9)	RIC8B (1.9)	CSGALNACT1 (1.8)
TIMD4 (2.5)	CETP (2.4)	BLK (2.4)	NFE2L3 (2.3)	MAFF (2.3)
TIMD4 (2.8)	SLC22A3 (2.7)	ZDHHC18 (2.6)	RSPO3 (2.6)	CTSB (2.6)
SUPT7L (3.6)	DHODH (3.4)	CATSPER2 (2.6)	NR0B2 (2.6)	HARBI1 (2.4)
TAGLN (2.4)	ABCA1 (2.4)	NFE2L3 (2.2)	EMILIN1 (2.2)	LPL (2.1)
APOB (3.6)	LIPC (3.4)	F2 (3.3)	CTSB (3.1)	NR1H3 (2.9)
PGS1 (3.0)	BCL3 (2.8)	GMIP (2.4)	MADD (2.1)	FADS2 (2.0)
CSGALNACT1 (2.7)	KDM3A (2.6)	HDAC5 (2.5)	CITED2 (2.3)	EMILIN1 (2.0)
APOE (2.6)	F2 (2.5)	SFN (2.4)	C1orf172 (2.4)	SDC1 (2.3)
ENSG00000236267 (2	TIMD4 (2.2)	SFN (2.1)	EPB41L3 (2.1)	CSGALNACT1 (2.0)
C19orf80 (2.2)	GPAM (2.2)	RFX4 (2.2)	HGFAC (2.1)	CCDC121 (2.0)
APOA5 (4.2)	TIMD4 (3.8)	CETP (3.7)	DHODH (3.2)	HGFAC (3.1)
C19orf80 (2.5)	LPA (2.5)	PPIP5K1 (2.4)	VEGFA (2.4)	ENSG00000234945 (2
APOC3 (5.8)	LIPC (5.3)	APOA5 (4.5)	C19orf80 (4.0)	ANGPTL3 (3.9)
IGF2R (2.7)	CETP (2.7)	LPL (2.3)	TRNP1 (2.3)	KANK2 (2.3)
RSPO3 (2.1)	KLF14 (2.0)	JMJD1C (1.8)	FZD9 (1.7)	ENSG00000254235 (1
APOE (2.4)	KRTCAP3 (2.3)	CSGALNACT1 (2.3)	TOMM40 (2.3)	PTPMT1 (2.2)
MLXIPL (3.0)	KLF14 (2.6)	NAT2 (2.4)	APOC3 (2.3)	MYBPC3 (2.2)
HGFAC (3.1)	DOCK6 (2.6)	SDC1 (2.6)	PVRL2 (2.5)	IGF2R (2.4)
APOC3 (7.2)	LIPC (5.5)	APOA5 (4.7)	ANGPTL3 (4.3)	APOA4 (4.0)
APOC3 (7.1)	LIPC (5.5)	APOA5 (4.8)	ANGPTL3 (4.3)	APOA4 (4.0)
AFF1 (2.6)	IGF2R (2.6)	LPA (2.3)	ARID1A (2.2)	LIPC (2.2)
APOE (3.5)	SLC22A1 (3.2)	APOA5 (3.1)	APOC1 (3.0)	BCAM (2.7)
HGFAC (3.2)	ENSG00000235545 (3	HAVCR1 (3.1)	TSSK6 (3.0)	APOC4 (2.5)
KHK (5.3)	APOC4 (4.9)	NAT2 (4.9)	GCKR (4.7)	ANGPTL3 (4.7)
C1orf172 (3.3)	FAM167A (2.9)	ENSG00000236267 (2	ENSG00000182319 (2	ENSG00000254235 (2
HGFAC (3.8)	NAGS (3.6)	SLC22A1 (3.5)	APOC3 (3.4)	APOA5 (3.3)
C2orf53 (3.4)	C17orf105 (3.4)	F2 (2.4)	TSSK6 (2.3)	APOC3 (2.2)
SIK3 (2.5)	ENSG00000257711 (2	CSGALNACT1 (2.1)	MPV17 (2.1)	TIMD4 (2.1)
HGFAC (5.6)	APOA5 (5.1)	LPA (4.9)	F2 (4.5)	SLC22A1 (4.5)
APOB (3.1)	LPL (2.8)	APOE (2.7)	APOA1 (2.6)	LIPC (2.6)
ZDHHC18 (2.8)	CETP (2.7)	CTSB (2.6)	ENSG00000256731 (2	SLC5A6 (2.5)
NFE2L3 (2.1)	SFN (2.1)	CETP (2.1)	ANGPTL4 (2.0)	NR1H3 (2.0)
CYP26A1 (2.2)	FRMD5 (2.2)	ENSG00000253379 (2	SDC1 (2.1)	LRP4 (1.9)
ENSG00000182319 (2	MYBPC3 (2.7)	KANK2 (2.5)	PACSIN3 (2.3)	GMIP (2.3)
APOC3 (7.5)	LIPC (5.6)	APOA5 (5.1)	ANGPTL3 (4.8)	HP (4.4)
DHODH (3.1)	LPA (2.9)	ANGPTL3 (2.7)	SLC22A1 (2.7)	TM6SF2 (2.5)
IGF2R (2.6)	VEGFA (2.5)	RFX4 (2.2)	ANGPTL4 (2.2)	DPYSL5 (2.1)
APOB (6.7)	ANGPTL3 (6.6)	APOC3 (6.4)	APOA5 (6.1)	APOC4 (5.3)
EIF2B4 (3.2)	SLC5A6 (2.9)	GPN1 (2.8)	ATP13A1 (2.8)	TOMM40 (2.8)
APOA1 (5.9)	APOC4 (5.6)	APOA5 (5.4)	APOC3 (5.3)	APOB (5.3)
APOC4 (6.7)	HP (6.6)	APOA5 (5.9)	HGFAC (5.3)	APOA1 (5.3)
ENSG00000253379 (2	FADS2 (2.6)	BRE (2.5)	HAVCR1 (2.3)	COBLL1 (2.3)
MTF2 (2.4)	KDM3A (2.3)	PCIF1 (2.3)	GATAD2A (2.0)	VEGFA (1.9)
EIF2B4 (3.2)	SLC5A6 (3.1)	ATP13A1 (2.9)	GPN1 (2.9)	DHX38 (2.9)
BCL7B (2.4)	PREB (2.4)	TMED5 (2.3)	ARFGAP2 (2.3)	TMEM214 (2.2)
APOA1 (2.3)	LINC00208 (2.1)	F2 (2.1)	C2orf16 (2.0)	DPYSL5 (1.8)
C19orf80 (4.0)	FNDC4 (3.5)	NR1H3 (3.2)	FGF21 (2.9)	ANGPTL4 (2.7)

IFT172 (3.0)	CYP26A1 (2.7)	RSPO3 (2.4)	AGBL5 (2.4)	C8orf49 (2.4)
KDM3A (2.5)	C11orf9 (2.3)	FUT2 (2.2)	MYBPC3 (2.2)	BMPR2 (2.1)
ANGPTL3 (7.3)	LPA (6.5)	SLC22A1 (6.4)	HGFAC (6.2)	KHK (5.1)
CGREF1 (2.6)	LSM12 (2.5)	ACP2 (2.4)	TUBGCP4 (2.3)	CETP (2.2)
DR1 (2.0)	OST4 (1.9)	CITED2 (1.6)	ENSG00000257711 (1	PGS1 (1.5)
APOA5 (4.2)	HGFAC (3.9)	GCKR (3.5)	LPA (3.4)	LIPC (3.3)
ABCA1 (2.3)	ABHD1 (1.9)	BMPR2 (1.9)	MPV17 (1.8)	BNC2 (1.8)
CETP (2.5)	EMILIN1 (2.3)	TIMD4 (2.3)	PVRL2 (2.2)	HDAC5 (2.1)
DNAH10 (2.6)	STRC (2.3)	BNC2 (2.2)	DOCK6 (2.0)	DNAJC5G (1.9)
HGFAC (7.0)	TM6SF2 (6.8)	GCKR (5.9)	APOA5 (5.8)	APOC4 (5.5)
TAGLN (3.6)	EMILIN1 (3.6)	ZNF513 (3.4)	CD300LG (2.6)	ARHGAP1 (2.6)
PGS1 (2.4)	CD300LG (2.4)	ANGPTL4 (2.3)	AMBRA1 (2.2)	DOCK7 (2.0)
KANK2 (2.4)	CETP (2.3)	ARID1A (2.2)	G6PC3 (2.1)	TUBGCP4 (2.0)
ANGPTL3 (3.5)	SLC22A1 (3.4)	HP (3.4)	HGFAC (3.3)	LPA (3.3)
C2orf53 (2.4)	GPN2 (2.3)	BCAM (2.1)	LSM12 (2.0)	C11orf9 (2.0)
UCN (2.5)	LPAR2 (2.5)	C11orf9 (2.4)	NRBP1 (2.1)	MYBPC3 (2.1)
RBKS (2.6)	DHODH (2.6)	GPAM (2.5)	UBXN2B (2.5)	BRE (2.5)
BNC2 (2.6)	AMBRA1 (2.6)	CYP7A1 (2.6)	GCKR (2.4)	TM6SF2 (2.4)
TAGLN (2.8)	PVRL2 (2.6)	APOE (2.5)	SDCBP (2.3)	CITED2 (2.2)
APOC4 (4.9)	SLC22A1 (4.8)	ANGPTL3 (4.1)	LPAL2 (3.6)	F2 (3.4)
APOC4 (5.1)	APOB (5.0)	APOC3 (5.0)	APOA5 (4.9)	APOA1 (4.8)
ANGPTL3 (6.7)	HGFAC (6.2)	SLC22A1 (5.9)	LPA (5.5)	KHK (4.6)
DOCK6 (2.6)	PCIF1 (2.6)	JMJD1C (2.4)	ARHGAP1 (2.3)	AMBRA1 (2.2)
EMILIN1 (2.8)	CETP (2.7)	EPB41L3 (2.7)	NR0B2 (2.6)	CTSB (2.6)
KHK (3.4)	FADS2 (3.3)	TM6SF2 (3.1)	LPAL2 (3.1)	ENSG00000236267 (3
ENSG00000257711 (2	DOCK6 (2.3)	ABHD1 (2.3)	SLC22A3 (2.2)	ENSG00000236827 (2
C8orf49 (2.3)	JMJD1C (2.3)	FADS2 (2.3)	NEIL2 (2.2)	CYP7A1 (2.2)
ZNF335 (2.5)	ZNF664 (2.5)	KBTBD4 (2.4)	ACP2 (2.3)	UBXN2B (2.3)
RASIP1 (2.6)	ABHD1 (2.4)	SLC22A3 (2.4)	DOCK6 (2.2)	ENSG00000223745 (2
C19orf80 (3.0)	MLXIPL (2.7)	NAT2 (2.3)	APOC1 (2.3)	PLA2G6 (2.2)
NFE2L3 (2.8)	TAGLN (2.7)	TIMD4 (2.6)	PTPRJ (2.5)	APOC1 (2.4)
APOA1 (5.1)	APOC3 (4.4)	APOC1 (4.3)	ANGPTL3 (4.0)	HP (3.7)
LIPC (3.1)	EMILIN1 (3.0)	CGREF1 (3.0)	C19orf80 (3.0)	HP (2.6)
PTPN13 (3.1)	FRMD5 (2.7)	BMPR2 (2.6)	KDM3A (2.6)	KANK2 (2.5)
FNDC4 (3.3)	BRE (3.0)	GPAM (2.9)	ABO (2.9)	COBLL1 (2.6)
LINC00208 (2.1)	CSGALNACT1 (2.1)	IZUMO1 (2.0)	BCAM (2.0)	LPAL2 (1.8)
F2 (3.7)	MAFF (3.6)	TRIB1 (3.1)	APOA1 (3.0)	APOC3 (2.9)
CTSB (2.8)	MAFF (2.6)	ZNF513 (2.5)	LPL (2.5)	HP (2.5)
RSPO3 (2.0)	KLF14 (2.0)	JMJD1C (1.9)	ENSG00000254235 (1	CCDC121 (1.6)
TAGLN (3.3)	PLTP (2.8)	HAPLN4 (2.8)	C11orf9 (2.7)	APOE (2.4)
APOA4 (5.3)	TIMD4 (5.3)	APOC3 (5.1)	APOA1 (4.9)	LIPC (4.6)
USP1 (2.9)	DHODH (2.4)	PTCD3 (2.2)	TOMM40 (2.1)	BAZ1B (2.1)
EMILIN1 (3.0)	SUPT7L (2.7)	CTDSPL2 (2.5)	ANGPTL4 (2.4)	TMEM101 (2.2)
VEGFA (3.6)	EMILIN1 (3.4)	GATA4 (2.8)	BMPR2 (2.7)	RSPO3 (2.4)
BLK (2.4)	MAFF (2.4)	SLC5A6 (2.4)	SLC22A3 (2.3)	RSPO3 (2.1)
TM6SF2 (2.3)	CGREF1 (2.2)	ATG13 (2.2)	NR1H3 (2.2)	ENSG00000222035 (2
TXNL4B (2.3)	ANGPTL4 (2.2)	GALNT2 (2.0)	PGS1 (2.0)	ENSG00000179523 (1
RSPO3 (2.1)	LRP4 (2.1)	NFE2L3 (2.0)	TRIB1 (1.9)	PAFAH1B2 (1.8)
LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)
LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)

LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)
LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)
LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)
LRP4 (3.3)	C11orf9 (3.2)	RFX4 (3.0)	CBLC (2.5)	PGS1 (2.5)
CYP7A1 (3.9)	ABHD1 (3.2)	GPAM (3.1)	MLXIPL (2.8)	ENSG00000236267 (2
IGF2R (2.5)	ENSG00000182319 (2	APOE (2.3)	VEGFA (2.2)	TIMD4 (2.2)
APOC3 (5.7)	APOC1 (4.9)	F2 (4.6)	NR0B2 (4.5)	LIPC (4.4)
EMILIN1 (3.9)	LRP4 (3.8)	FAM167A (3.0)	VEGFA (2.1)	PLTP (2.1)
GMIP (2.9)	TRIB1 (2.7)	KDM3A (2.4)	ABCA1 (2.3)	BLK (2.3)
SLC22A1 (4.1)	ANGPTL3 (3.9)	GCKR (3.9)	TIMD4 (3.7)	HP (3.5)
GATAD2A (2.8)	DR1 (2.7)	CELF1 (2.6)	MAU2 (2.5)	CITED2 (2.4)
CITED2 (2.7)	TRIM54 (2.5)	TRNP1 (2.3)	OST4 (2.3)	MYBPC3 (2.0)
GCKR (4.8)	APOC4 (4.7)	APOA4 (4.5)	TM6SF2 (4.4)	LPAL2 (4.3)
CITED2 (2.4)	ENSG00000256746 (2	ARID1A (2.2)	TRIB1 (2.2)	AFF1 (2.1)
APOC4 (5.2)	HGFAC (4.7)	LPA (4.7)	GCKR (4.7)	APOA5 (4.2)
GCKR (4.6)	APOC4 (4.6)	SLC22A1 (4.5)	HGFAC (4.4)	CETP (4.0)
FADS1 (3.5)	C19orf80 (3.4)	FADS2 (3.3)	ENSG00000223522 (3	TM6SF2 (3.0)
IFT172 (2.7)	GATA4 (2.6)	JMJD1C (2.6)	DOCK7 (2.5)	TMEM101 (2.3)
APOA5 (4.5)	GCKR (4.4)	HP (4.3)	HGFAC (4.3)	APOA1 (4.3)
BLK (3.0)	PTPRJ (2.9)	SIDT2 (2.2)	SIK3 (2.1)	CTSB (2.0)
FUT2 (2.9)	MADD (2.6)	CSGALNACT1 (2.4)	C19orf80 (2.4)	EMILIN1 (2.4)
APOB (4.0)	NR0B2 (3.3)	PLA2G6 (3.3)	NAT2 (3.2)	GCKR (3.1)
RASIP1 (2.5)	DUSP3 (2.4)	REEP1 (2.3)	TIMD4 (2.2)	TMEM175 (2.0)
SLC5A6 (2.5)	TRIB1 (2.4)	KLF14 (2.3)	ARHGAP1 (2.2)	LPL (2.2)
APOB (6.4)	ANGPTL3 (6.0)	APOA1 (5.5)	APOE (4.2)	APOC4 (4.1)
TECTB (2.8)	ENSG00000256746 (2	CD300LG (2.7)	FGF21 (2.6)	FNDC4 (2.6)
PVRL2 (3.8)	C1orf172 (3.8)	MYBPC3 (3.2)	RASIP1 (2.9)	ENSG00000182319 (2
SLC22A1 (4.0)	APOC4 (3.5)	APOA5 (3.5)	CBLC (3.3)	ANGPTL3 (2.9)
MAFF (2.6)	ABCA1 (2.5)	ANGPTL4 (2.4)	HP (2.4)	PGS1 (2.3)
CLPTM1 (2.6)	PTPRJ (2.4)	FAM167A (2.3)	ENSG00000223745 (2	CASC4 (2.1)
LIPC (3.3)	PTCD3 (3.3)	SLC22A1 (3.3)	CYP7A1 (3.1)	APOC4 (3.1)
NR1H3 (3.2)	PLA2G6 (3.0)	RBKS (3.0)	ANGPTL3 (3.0)	MTCH2 (2.8)
NR1H3 (3.2)	PLA2G6 (3.0)	RBKS (3.0)	ANGPTL3 (3.0)	MTCH2 (2.8)
C11orf9 (3.6)	HGFAC (3.4)	ABO (3.4)	CYP7A1 (3.1)	GATA4 (3.1)
CLPTM1 (3.2)	VEGFA (2.7)	PVRL2 (2.6)	SDC1 (2.4)	BMPR2 (2.3)
C2orf16 (2.6)	DPYSL5 (2.5)	CCDC121 (2.3)	RSPO3 (2.2)	DNAH10 (2.1)
POLR1A (2.7)	BAZ1B (2.7)	MAU2 (2.6)	PTPN13 (2.6)	C8orf49 (2.6)
RFX4 (1.9)	ZDHHC18 (1.9)	LINC00208 (1.8)	ZNF513 (1.8)	RSPO3 (1.7)
VEGFA (3.2)	LRP4 (2.9)	FNDC4 (2.7)	C11orf9 (2.5)	REEP1 (2.5)
ARFGAP2 (2.6)	EIF2B4 (2.6)	ENSG00000254235 (2	MRPL35 (2.6)	ABHD1 (2.5)
PTPRJ (2.7)	NFE2L3 (2.6)	PCSK7 (2.5)	CMIP (2.1)	RASIP1 (2.0)
MTMR9 (2.2)	PCIF1 (2.1)	AMBRA1 (2.1)	ENSG00000257711 (2	COBLL1 (1.9)
PTPRJ (3.5)	APOE (3.0)	F2 (3.0)	ANGPTL3 (2.9)	OST4 (2.9)
ANGPTL4 (3.1)	LPA (3.1)	PLA2G6 (3.0)	FGF21 (3.0)	RBKS (2.8)
DNAH10 (2.8)	FGF21 (2.7)	FNDC4 (2.7)	TECTB (2.4)	ENSG00000223745 (2
NR0B2 (4.0)	C19orf80 (4.0)	GCKR (4.0)	GATA4 (3.7)	F2 (3.6)
SLC22A1 (3.8)	APOA5 (3.5)	APOC4 (3.5)	CBLC (3.3)	CYP7A1 (2.9)
ZDHHC18 (3.0)	BLK (2.6)	TIMD4 (2.5)	TDH (2.3)	C2orf53 (2.2)
APOC3 (5.8)	APOA4 (5.4)	APOC1 (5.0)	LIPC (4.1)	GATA4 (3.8)
ENSG00000234945 (3	LPL (3.2)	TM6SF2 (3.2)	ENSG00000223522 (3	C19orf80 (2.8)

HGFAC (2.4)	GATA4 (2.4)	C19orf80 (2.3)	NAGS (2.3)	AFF1 (2.1)
ENSG00000256731 (3	CETP (3.1)	SLC5A6 (3.0)	ZDHHC18 (2.8)	RSPO3 (2.6)
VEGFA (3.4)	CELF1 (2.9)	ARFGAP2 (2.3)	PACSIN3 (2.3)	PTPRJ (2.3)
JMJD1C (2.3)	KANK2 (2.2)	DOCK6 (2.0)	PCIF1 (2.0)	ATG4C (1.9)
ENSG00000256731 (2	BLK (2.8)	SLC5A6 (2.7)	TIMD4 (2.3)	RSPO3 (2.2)
FADS1 (2.7)	PGS1 (2.4)	BLK (2.2)	SOST (2.1)	ENSG00000254235 (2
PTPRJ (2.7)	CD300LG (2.7)	TIMD4 (2.6)	BCL3 (2.4)	CTSB (2.3)
ARID1A (3.0)	PGS1 (2.6)	ZDHHC18 (2.4)	MAFF (2.2)	TUBGCP4 (2.0)
DHX38 (2.8)	CASC4 (2.8)	ARID1A (2.7)	GATAD2A (2.6)	CKAP5 (2.5)
TMEM175 (3.4)	CTSB (3.3)	PCSK7 (3.1)	ATP13A1 (2.7)	PDIA3 (2.5)
PTPN13 (2.2)	TDH (2.1)	ENSG00000235545 (2	LPAL2 (2.0)	ENSG00000255020 (2
EMILIN1 (3.1)	VEGFA (3.1)	IGF2R (2.9)	CYP26A1 (2.8)	CETP (2.7)
TAGLN (3.0)	GATA4 (2.6)	RASIP1 (2.5)	RSPO3 (2.5)	PTPN13 (2.3)
APOC4 (4.1)	HGFAC (3.7)	MLXIPL (3.5)	APOA5 (3.3)	C19orf80 (3.1)
CYP26A1 (3.1)	ENSG00000253379 (2	CSGALNACT1 (2.5)	EMILIN1 (2.2)	IGF2R (2.0)
ABCA1 (2.4)	PLTP (2.3)	APOA1 (2.3)	CTSB (2.2)	HP (2.2)
RASIP1 (3.5)	DOCK6 (3.0)	PACSIN3 (2.9)	EMILIN1 (2.9)	TRIM54 (2.8)
FADS2 (2.8)	GPAM (2.8)	ABHD1 (2.8)	CD300LG (2.7)	ENSG00000236267 (2
CETP (2.7)	GMIP (2.7)	BLK (2.6)	CD300LG (2.6)	SLC5A6 (2.5)
C8orf49 (2.9)	GCKR (2.8)	GPAM (2.8)	MAPK10 (2.6)	BNC2 (2.5)
APOB (3.8)	HP (3.4)	APOC1 (3.3)	CETP (3.3)	APOC3 (3.2)
RSPO3 (2.9)	CETP (2.7)	ANGPTL4 (2.7)	BLK (2.5)	TIMD4 (2.2)
CGREF1 (2.7)	SOST (2.6)	KDM3A (2.5)	LIPC (2.5)	BCL3 (2.4)
RASIP1 (2.9)	C19orf80 (2.7)	ANGPTL4 (2.7)	PPY (2.6)	GPAM (2.3)
BMPR2 (2.9)	ENSG00000256731 (2	PTPN13 (2.7)	RSPO3 (2.7)	TIMD4 (2.5)
HP (2.9)	SLC22A1 (2.8)	GCKR (2.8)	HGFAC (2.7)	C19orf80 (2.6)
GATA4 (3.3)	RBKS (3.3)	FADS2 (3.2)	APOC1 (3.2)	GCKR (3.0)
APOA1 (4.1)	APOA5 (4.1)	HGFAC (4.0)	LIPC (3.9)	C19orf80 (3.7)
LPA (2.2)	DDB2 (2.2)	SLC22A1 (2.2)	LPAL2 (2.2)	RIC8B (2.1)
C11orf9 (3.4)	LRP4 (3.0)	RFX4 (2.9)	CBLC (2.6)	PGS1 (2.3)
C1QTNF4 (2.9)	MAP1A (2.9)	PLTP (2.6)	CTSB (2.5)	MPP2 (2.4)
GPAM (2.8)	MLXIPL (2.6)	BNC2 (2.5)	PMFBP1 (2.1)	CITED2 (2.1)
APOB (4.0)	APOC3 (3.5)	APOC1 (3.4)	HP (3.3)	ANGPTL3 (3.2)
APOC1 (2.2)	APOE (1.9)	ENSG00000235545 (1	ENSG00000236267 (1	FUT1 (1.8)
HAPLN4 (3.3)	RFX4 (3.1)	C11orf9 (3.0)	CBLC (2.6)	PGS1 (2.3)
CBLC (3.0)	C1orf172 (3.0)	CETP (2.7)	LPAR2 (2.7)	CD300LG (2.6)
NRBP1 (2.6)	GATAD2A (2.4)	ATG4C (2.3)	CLPTM1 (2.3)	UBXN2B (2.3)
CETP (2.5)	TIMD4 (2.3)	DDB2 (2.1)	PBX4 (2.1)	PGS1 (2.1)
APOA5 (2.4)	CYP7A1 (2.2)	CTSB (2.1)	NAGS (1.9)	GCKR (1.7)
ABCA1 (2.6)	CSGALNACT1 (2.5)	BNC2 (2.4)	CTSB (2.3)	ENSG00000222035 (2
KLF14 (3.0)	MAFF (2.9)	APOA4 (2.6)	NAT2 (2.5)	C19orf80 (2.4)
CSGALNACT1 (2.2)	ENSG00000200241 (2	C8orf12 (2.0)	ENSG00000253379 (1	SDCBP (1.9)
FNDC4 (2.0)	TDH (2.0)	FAM167A (2.0)	PTPN13 (2.0)	MAMSTR (1.9)
CATSPER2 (2.2)	GATAD2A (2.1)	BNC2 (2.0)	PCIF1 (2.0)	BCL7B (1.9)
APOB (6.3)	ANGPTL3 (5.8)	APOA1 (5.3)	APOE (4.4)	APOC1 (4.2)
FADS2 (3.3)	FDFT1 (2.7)	SLC22A1 (2.6)	VEGFA (2.2)	TRIB1 (1.9)
SPG11 (2.1)	IFT172 (2.0)	BMPR2 (2.0)	PLA2G6 (2.0)	ATP13A1 (2.0)
APOC3 (5.9)	LIPC (5.9)	ANGPTL3 (5.4)	APOA5 (5.0)	APOC4 (4.1)
CHMP3 (2.3)	CMIP (2.2)	CSGALNACT1 (2.1)	RSPO3 (2.0)	SLC30A3 (1.9)
TM6SF2 (5.1)	APOB (4.6)	APOA4 (4.4)	APOC3 (4.4)	RBKS (4.3)

HP (2.9)	APOC4 (2.7)	FADS1 (2.7)	CYP7A1 (2.6)	MADD (2.5)
NAT2 (2.3)	CMIP (2.1)	PCSK7 (2.0)	PLA2G6 (2.0)	CETP (1.8)
FADS2 (3.4)	KLF14 (3.1)	GATA4 (3.0)	MLXIPL (2.9)	GCKR (2.9)
CILP2 (2.7)	APOE (2.3)	EMILIN1 (2.2)	ENSG00000236267 (2	ABCA1 (2.1)
ZNF513 (2.3)	GATA4 (2.2)	SUPT7L (2.2)	KANK2 (2.1)	AGBL5 (1.9)
LPA (2.6)	IGF2R (2.3)	ACP2 (2.1)	LIPC (2.1)	APOA5 (1.7)
ABO (2.4)	IZUMO1 (2.3)	PTPN13 (2.1)	PVRL2 (2.1)	NCAN (2.0)
ACP2 (3.6)	IGF2R (3.5)	SIDT2 (3.1)	ATP13A1 (2.9)	TBL2 (2.8)
ENSG00000257711 (2	MFAP1 (2.3)	BCL7B (2.2)	ENSG00000200241 (2	TMED5 (2.1)
DUSP3 (2.7)	SFN (2.6)	MYBPC3 (2.6)	KANK2 (2.5)	PACSIN3 (2.4)
LIPC (3.9)	APOC3 (3.8)	APOA4 (3.5)	APOC4 (3.4)	APOA5 (3.2)
C11orf9 (2.9)	KLF14 (2.5)	PVRL2 (2.5)	TSSK6 (2.4)	APOA4 (2.3)
CYP7A1 (5.8)	APOC4 (5.5)	APOA5 (5.1)	HGFAC (5.1)	TM6SF2 (5.0)
HGFAC (2.4)	C19orf80 (2.3)	NAGS (2.3)	LIPC (2.1)	DNAJC5G (2.1)
RASIP1 (2.7)	AFF1 (2.6)	G6PC3 (2.3)	CSGALNACT1 (2.2)	CMIP (2.2)
ACP2 (3.7)	SIDT2 (3.3)	IGF2R (3.3)	MPV17 (3.0)	C2orf28 (2.9)
APOC4 (3.8)	LPA (3.2)	GCKR (3.2)	CYP7A1 (3.0)	DHODH (2.5)
BCAM (3.0)	BLK (2.8)	CD300LG (2.6)	VEGFA (2.5)	FUT1 (2.4)
APOC4 (3.9)	KHK (3.4)	FADS2 (3.3)	FDFT1 (3.3)	MTCH2 (3.3)
APOC4 (3.9)	KHK (3.4)	FADS2 (3.3)	FDFT1 (3.3)	MTCH2 (3.3)
EMILIN1 (3.6)	LPL (3.0)	BNC2 (2.8)	CTSB (2.4)	REEP3 (2.2)
GATAD2A (2.0)	CATSPER2 (2.0)	GALNT2 (2.0)	SUMO1 (2.0)	NSMAF (2.0)
BMPR2 (2.9)	ARID1A (2.9)	MADD (2.7)	CYP26A1 (2.4)	ZNF408 (2.2)
KANK2 (2.9)	BMPR2 (2.7)	CSGALNACT1 (2.5)	RASIP1 (2.5)	RFX4 (2.4)
KLF14 (2.3)	PTPN13 (2.2)	UBXN2B (2.1)	C1QTNF4 (1.9)	ENSG00000253379 (1
ACP2 (2.9)	LPL (2.7)	MAP1A (2.6)	CTSB (2.6)	APOC1 (2.5)
ENSG00000200241 (2	CATSPER2 (2.0)	RFX4 (2.0)	GATAD2A (2.0)	ENSG00000234945 (1
ENSG00000254235 (2	LPA (2.2)	FZD9 (2.1)	ENSG00000200241 (2	CILP2 (2.0)
GALNT2 (2.3)	HGFAC (2.2)	C19orf80 (2.2)	ENSG00000182329 (2	REEP1 (2.0)
MLXIPL (2.4)	ABHD1 (2.4)	COBLL1 (2.3)	LPA (2.3)	TM6SF2 (2.2)
MAPRE3 (2.5)	TIMD4 (2.3)	SLC30A3 (2.3)	IFT172 (2.3)	ZNF513 (2.1)
FUT2 (2.2)	NAT2 (2.2)	AFF1 (2.1)	PGS1 (2.0)	ARHGAP1 (1.7)
MLXIPL (4.7)	GPAM (4.4)	ABCA1 (3.7)	C19orf80 (3.5)	TIMD4 (3.0)
SPG11 (2.6)	PTPN13 (2.6)	CYP26A1 (2.6)	KDM3A (2.5)	ZNF513 (2.3)
ABCA1 (2.8)	NFE2L3 (2.5)	FGF21 (2.1)	PGS1 (1.9)	RBKS (1.7)
FADS2 (4.1)	APOC1 (3.2)	C19orf80 (3.1)	MLXIPL (3.0)	FDFT1 (2.8)
IGF2R (2.2)	ZDHHC18 (2.0)	PLTP (2.0)	ACP2 (1.8)	ABCA1 (1.8)
HP (2.9)	SLC22A1 (2.8)	HGFAC (2.7)	LIPC (2.7)	LPA (2.4)
PLTP (3.6)	TIMD4 (3.3)	APOC1 (3.1)	MAPK10 (3.1)	CTSB (2.9)
F2 (5.9)	APOA4 (5.1)	APOC1 (4.5)	LIPC (4.5)	NR0B2 (3.7)
APOA4 (3.1)	KRTCAP3 (3.0)	PPY (2.9)	CITED2 (2.3)	SLC30A3 (2.2)
PCIF1 (2.3)	CATSPER2 (2.3)	COBLL1 (2.2)	ENSG00000257711 (2	OST4 (2.2)
LIPC (3.2)	AGBL2 (3.2)	NAGS (2.9)	CYP7A1 (2.9)	APOC4 (2.7)
MTMR9 (2.8)	GMIP (2.7)	ARID1A (2.6)	PGS1 (2.4)	BCL3 (2.3)
C1orf172 (3.9)	TAGLN (3.6)	CBLC (3.3)	GATA4 (2.9)	KANK2 (2.5)
CYP26A1 (2.7)	APOE (2.5)	KANK2 (2.3)	MAFF (2.2)	CITED2 (2.1)
CATSPER2 (2.3)	CMIP (2.3)	FAM167A (2.2)	TMEM214 (2.0)	CTSB (1.9)
FZD9 (3.6)	TECTB (3.5)	LRP4 (3.5)	APOE (3.1)	FAM167A (2.8)
TRIB1 (2.6)	BLK (2.5)	CETP (2.5)	KDM3A (2.3)	DDB2 (2.1)
PLTP (2.5)	MAFF (2.3)	RSPO3 (2.2)	UBXN2B (2.1)	TRNP1 (2.1)

ANGPTL3 (5.4)	APOC3 (5.3)	APOA1 (5.2)	APOC4 (4.9)	APOA5 (4.8)
CYP7A1 (2.6)	TRIB1 (2.5)	APOA4 (2.5)	NR0B2 (2.4)	GCKR (2.4)
COBLL1 (2.8)	TECTB (2.3)	C11orf9 (2.3)	SIDT2 (2.3)	ENSG00000256731 (2
BNC2 (2.4)	PLTP (2.4)	APOC4 (2.3)	ANGPTL3 (2.0)	CLPTM1 (2.0)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
SLC22A3 (2.9)	ENSG00000256731 (2	BLK (2.7)	RSPO3 (2.3)	TIMD4 (2.3)
PLTP (3.4)	FADS2 (3.3)	FADS1 (3.2)	G6PC3 (3.0)	MPV17 (2.9)
APOC3 (5.4)	APOA1 (4.4)	ANGPTL3 (4.3)	APOE (3.9)	APOC1 (3.4)
APOB (5.5)	APOA1 (5.5)	APOC4 (5.4)	APOC3 (5.3)	APOA5 (5.0)
HGFAC (5.1)	GCKR (5.0)	TM6SF2 (4.9)	LPAL2 (4.6)	CYP7A1 (4.2)
SLC22A3 (2.5)	CETP (2.4)	PTPRJ (2.4)	BCL3 (2.3)	TIMD4 (2.1)
BCL7B (2.2)	DR1 (2.1)	CTDSPL2 (2.0)	C19orf80 (1.9)	ZNF512 (1.9)
TRIB1 (2.9)	HDAC5 (2.7)	APOA4 (2.6)	NAGS (2.5)	CYP7A1 (2.4)
CGREF1 (2.7)	FAM167A (2.6)	GMIP (2.6)	LPL (2.5)	AMBRA1 (2.1)
C8orf49 (2.2)	UBXN2B (2.0)	ANGPTL4 (1.9)	KRTCAP3 (1.9)	PVRL2 (1.8)
NR0B2 (2.8)	LPAL2 (2.7)	ABHD1 (2.6)	FGF21 (2.5)	LPL (2.3)
SDC1 (2.3)	CYP7A1 (2.1)	BCAM (2.1)	ENSG00000234945 (2	AGBL2 (2.1)
SLC22A1 (4.2)	NAGS (4.1)	APOC4 (4.0)	HGFAC (4.0)	LPA (3.8)
SLC22A1 (4.2)	NAGS (4.1)	APOC4 (4.0)	HGFAC (4.0)	LPA (3.8)
CETP (3.0)	PTPRJ (2.8)	ZDHHC18 (2.6)	NFE2L3 (2.3)	RBKS (2.1)
BLK (2.7)	SLC22A1 (2.4)	MAFF (2.3)	DPYSL5 (2.3)	NR1H3 (2.3)
MLXIPL (2.9)	TRIB1 (2.7)	SLC22A3 (2.6)	PYY (2.6)	ABCA1 (2.2)
CTSB (3.1)	ACP2 (2.7)	AMBRA1 (2.4)	MTF2 (2.4)	PLTP (2.1)
CGREF1 (2.4)	ENSG00000226645 (2	ENSG00000235545 (1	ENSG00000256746 (1	ENSG00000254235 (1
PPY (2.7)	LPA (2.6)	NAT2 (2.4)	MAPK10 (2.3)	RFX4 (2.2)
EMILIN1 (2.6)	TBL2 (2.4)	FAM167A (2.2)	TRIB1 (2.1)	BCAM (2.0)
EMILIN1 (3.0)	CTSB (2.7)	GALNT2 (2.5)	BMPR2 (2.1)	VEGFA (2.0)
ABCA1 (3.1)	BCL3 (3.0)	TIMD4 (2.6)	PGS1 (2.5)	PTPRJ (2.4)
CYP7A1 (5.3)	NAT2 (5.3)	KHK (5.1)	NAGS (4.9)	ANGPTL3 (4.7)
ENSG00000236267 (3	CYP7A1 (3.6)	LPA (3.3)	HGFAC (3.3)	PLA2G6 (3.0)
MAFF (2.7)	PVRL2 (2.5)	NFE2L3 (2.4)	SLC22A3 (2.3)	NR1H3 (2.0)
PVRL2 (2.8)	CETP (2.6)	NFE2L3 (2.4)	ACP2 (2.0)	NR1H3 (1.9)
APOC3 (4.3)	NAT2 (4.0)	APOA1 (3.8)	PPY (3.6)	NAGS (3.5)
DUSP3 (2.6)	CETP (2.5)	HDAC5 (2.4)	CTSB (2.3)	PGS1 (2.3)
DUSP3 (2.6)	CETP (2.5)	HDAC5 (2.4)	CTSB (2.3)	PGS1 (2.3)
ENSG00000226645 (2	DNAJC5G (2.7)	TDH (2.3)	ENSG00000256746 (2	RIC8B (2.1)
CYP26A1 (2.3)	ATG4C (2.3)	CTSB (2.3)	PMFBP1 (2.3)	ACP2 (2.0)
TRIB1 (3.8)	NRBF2 (2.1)	PIGV (2.0)	RASIP1 (1.9)	CASC4 (1.8)
C11orf9 (3.3)	CYP7A1 (3.0)	ABO (2.8)	HGFAC (2.7)	KHK (2.6)
APOE (3.2)	LPL (2.9)	PVRL2 (2.8)	IGF2R (2.5)	PLTP (2.5)
APOB (2.8)	F2 (2.8)	ANGPTL3 (2.7)	CETP (2.6)	APOA1 (2.6)
IGF2R (2.7)	RSPO3 (2.6)	FZD9 (2.4)	LPL (2.3)	ENSG00000253379 (2
TBL2 (3.6)	MTCH2 (3.6)	ATG13 (3.5)	HARBI1 (3.4)	SNX17 (3.0)

APOB (4.9)	APOC3 (4.4)	ANGPTL3 (4.2)	APOC1 (4.1)	HAVCR1 (3.7)
F2 (6.0)	APOA4 (5.1)	LIPC (4.8)	APOC1 (4.6)	NR0B2 (3.8)
TIMD4 (4.2)	HGFAC (3.7)	APOC4 (3.7)	ANGPTL3 (3.4)	HP (3.0)
APOC3 (6.8)	ANGPTL3 (6.4)	APOA1 (5.8)	APOC4 (4.7)	C19orf80 (4.5)
CTSB (3.4)	ABCA1 (3.1)	NR1H3 (3.1)	APOC1 (2.8)	CETP (2.4)
KHK (3.9)	RBKS (3.4)	NR1H3 (3.1)	FADS1 (3.1)	ANGPTL3 (3.0)
KHK (3.9)	RBKS (3.4)	NR1H3 (3.1)	FADS1 (3.1)	ANGPTL3 (3.0)
ZNF512 (2.0)	DHX38 (2.0)	MADD (1.9)	ENSG00000182319 (1	CLPTM1 (1.8)
GCKR (3.2)	HGFAC (3.0)	APOC4 (3.0)	ANGPTL3 (2.5)	HP (2.4)
APOA5 (2.6)	F2 (2.6)	C19orf80 (2.4)	AMBRA1 (2.3)	BCAM (2.3)
CD300LG (2.5)	CTSB (2.4)	SLC5A6 (2.4)	TRIB1 (2.2)	TIMD4 (2.2)
ANGPTL3 (4.5)	APOC4 (4.5)	APOA5 (4.5)	APOA1 (4.4)	APOB (4.0)
APOC3 (3.4)	PPY (3.4)	TMED5 (3.3)	CGREF1 (3.1)	C2orf28 (3.0)
TM6SF2 (4.9)	APOA4 (3.9)	CYP7A1 (3.9)	NR0B2 (3.7)	NAT2 (3.6)
TAGLN (2.5)	KANK2 (2.5)	ENSG00000254235 (2	CILP2 (2.2)	BCAM (1.8)
KHK (2.7)	CYP7A1 (2.7)	APOA5 (2.6)	ANGPTL4 (2.3)	SDC1 (2.3)
ARID1A (2.9)	TAGLN (2.3)	ZNF335 (2.1)	ENSG00000182319 (2	CTDSPL2 (2.1)
ARID1A (3.0)	BUD13 (2.5)	GTF3C2 (2.4)	PCIF1 (2.3)	BCL7B (2.1)
EMILIN1 (3.6)	TMEM214 (2.5)	C2orf28 (2.5)	ANGPTL4 (2.4)	FRMD5 (2.4)
F2 (4.2)	APOC1 (4.1)	LIPC (3.6)	APOA4 (3.2)	MYBPC3 (3.1)
SLC5A6 (2.6)	ENSG00000256731 (2	BLK (2.4)	TIMD4 (2.3)	RSPO3 (2.2)
CSGALNACT1 (2.2)	LSM12 (2.1)	GATA4 (2.1)	VEGFA (2.1)	RSPO3 (2.0)
GCKR (5.3)	LPA (5.2)	APOA5 (5.2)	HGFAC (5.0)	HP (5.0)
ZDHHC18 (2.8)	PTPN13 (2.6)	RSPO3 (2.4)	BLK (2.3)	FAM167A (2.1)
APOC3 (4.7)	APOB (4.7)	ENSG00000234945 (3	ANGPTL3 (3.4)	HAVCR1 (3.3)
PAFAH1B2 (2.3)	GPN2 (2.2)	BUD13 (2.2)	BCL7B (2.2)	CHMP3 (2.1)
TIMD4 (3.1)	ARHGAP1 (2.9)	PGS1 (2.4)	ATG13 (2.4)	ACP2 (2.3)
BCAM (2.9)	ENSG00000253379 (2	LRP4 (2.6)	SDC1 (2.6)	CBLC (2.5)
LPA (6.4)	HGFAC (6.1)	ANGPTL3 (6.0)	SLC22A1 (5.8)	LPAL2 (4.2)
NCAN (2.4)	ANGPTL4 (2.3)	AFF1 (2.2)	BMPR2 (2.1)	ARHGAP1 (2.0)
FZD9 (3.6)	PTPN13 (3.3)	LRP4 (3.2)	FUT1 (3.1)	CYP26A1 (2.9)
IGF2R (3.6)	FUT1 (2.7)	UCN (2.6)	RFX4 (2.4)	PVRL2 (2.4)
SLC5A6 (2.4)	PTPN13 (2.4)	CTSB (2.4)	SLC22A3 (2.3)	ENSG00000256731 (2
ENSG00000236267 (4	CYP7A1 (3.7)	LPA (3.2)	HGFAC (3.1)	PLA2G6 (2.7)
LIPC (2.5)	NAGS (2.4)	TAGLN (2.4)	HP (2.3)	APOC3 (2.2)
NAGS (2.8)	ENSG00000234945 (2	FADS2 (2.7)	GCKR (2.7)	LPAL2 (2.7)
TAGLN (3.5)	BMPR2 (3.0)	MYBPC3 (2.8)	IGF2R (2.4)	JMJD1C (2.3)
LIPC (2.5)	SDCBP (2.3)	MADD (2.3)	GCKR (2.3)	PTPRJ (2.2)
BRE (3.5)	ANGPTL4 (3.1)	IFT172 (3.0)	DHODH (3.0)	TM6SF2 (2.5)
HP (6.3)	APOA1 (5.8)	APOB (5.5)	APOC3 (4.9)	APOA5 (4.7)
SIK3 (3.0)	BCL7B (3.0)	SFN (2.9)	KRTCAP3 (2.8)	SDC1 (2.6)
GCKR (2.7)	APOE (2.7)	PLTP (2.5)	LIPC (2.0)	APOC4 (1.9)
ANGPTL3 (4.9)	NAT2 (4.6)	APOA5 (4.4)	LPA (4.3)	GCKR (4.2)
GPAM (2.3)	APOA5 (2.2)	ANGPTL4 (2.1)	SLC22A1 (2.1)	PREB (2.1)
GMIP (2.9)	MAFF (2.8)	C2orf16 (2.8)	RBKS (2.4)	PTPRJ (2.2)
CITED2 (2.6)	PCIF1 (2.6)	ARID1A (2.6)	TRIB1 (2.6)	NRBF2 (2.2)
CYP26A1 (3.2)	STRC (2.9)	LRP4 (2.9)	CGREF1 (2.2)	RSPO3 (2.1)
ENSG00000223522 (2	SIK3 (2.4)	CSGALNACT1 (2.3)	MPV17 (2.2)	TIMD4 (2.1)
ATG4C (2.3)	MPP2 (2.2)	MAP1A (2.2)	ARFGAP2 (2.1)	ZNF513 (2.0)
PVRL2 (3.1)	ABO (3.0)	CCDC121 (2.6)	ENSG00000182319 (2	BCAM (2.4)

LIPC (2.5)	SDCBP (2.3)	GCKR (2.3)	MADD (2.3)	PTPRJ (2.2)
SDC1 (3.1)	CYP26A1 (3.1)	EMILIN1 (2.5)	RSPO3 (2.4)	SOST (2.3)
ANGPTL4 (2.1)	CD300LG (2.1)	UCN (2.0)	PBX4 (1.9)	KLF14 (1.7)
PTCD3 (4.1)	MTCH2 (3.8)	DHODH (2.8)	PTPMT1 (2.8)	NR0B2 (2.5)
ABHD1 (3.2)	FDFT1 (3.0)	G6PC3 (2.5)	NRBF2 (2.5)	ATG4C (2.2)
VEGFA (3.2)	MAFF (3.2)	ARID1A (2.9)	CMIP (2.7)	AFF1 (2.6)
TRIB1 (3.4)	VEGFA (3.0)	ARID1A (2.8)	AFF1 (2.8)	SIK3 (2.7)
ZDHHC18 (2.8)	SLC5A6 (2.7)	BLK (2.5)	RSPO3 (2.4)	TIMD4 (2.3)
F2 (5.7)	APOA4 (4.6)	LIPC (4.3)	APOC1 (4.1)	APOA5 (3.6)
TIMD4 (2.6)	SLC5A6 (2.5)	ABCA1 (2.4)	BLK (2.4)	CD300LG (2.2)
BLK (2.5)	SLC5A6 (2.5)	SLC22A3 (2.4)	ENSG00000256731 (2	C8orf12 (2.2)
FZD9 (2.3)	CASC4 (2.3)	SOST (2.1)	RSPO3 (1.9)	GALNT2 (1.8)
APOA5 (6.6)	HGFAC (6.5)	SLC22A1 (5.4)	ANGPTL3 (5.2)	GCKR (4.7)
PPY (3.3)	PVRL2 (2.9)	SLC22A1 (2.8)	HP (2.6)	NR0B2 (2.4)
CYP7A1 (3.8)	C19orf80 (3.5)	KDM3A (3.4)	HGFAC (3.0)	VEGFA (2.7)
KLF14 (2.4)	ENSG00000182329 (2	RSPO3 (2.3)	ENSG00000179523 (2	CYP26A1 (1.9)
APOA5 (2.9)	HGFAC (2.8)	GCKR (2.7)	TMED5 (2.6)	ENSG00000223745 (2
BCL7B (2.3)	SUMO1 (2.1)	CATSPER2 (1.9)	JMJD1C (1.9)	C2orf53 (1.8)
PPIP5K1 (2.5)	DNAH10 (2.5)	NSMAF (2.5)	CTSB (2.3)	SFN (2.2)
CD300LG (2.4)	PLA2G6 (2.3)	KLF14 (2.3)	GPAM (2.2)	GALNT2 (1.9)
CYP7A1 (2.7)	HGFAC (2.7)	GCKR (2.6)	NR0B2 (2.5)	SLC22A1 (2.5)
PLTP (3.1)	SOST (2.9)	TM6SF2 (2.8)	KHK (2.8)	APOA4 (2.6)
IGF2R (3.0)	MTF2 (2.7)	GALNT2 (2.6)	IZUMO1 (2.4)	PBX4 (2.4)
TBL2 (2.4)	ENSG00000223522 (2	TMED5 (2.3)	MAMSTR (2.3)	ENSG00000253379 (2
ENSG00000253379 (2	TIMD4 (2.5)	ANGPTL3 (2.5)	HP (2.5)	APOC4 (2.5)
FADS2 (2.9)	CCDC121 (2.5)	MAPK10 (2.5)	IFT172 (2.4)	CD300LG (2.3)
MPV17 (2.9)	CTSB (2.8)	SPG11 (2.5)	TECTB (2.5)	APOC3 (2.2)
ZDHHC18 (1.9)	FRMD5 (1.9)	BLK (1.9)	AMBRA1 (1.7)	SIK3 (1.7)
GPAM (3.3)	FADS2 (3.2)	SLC5A6 (3.1)	PLA2G6 (3.1)	TMEM101 (2.9)
SLC5A6 (2.7)	ENSG00000256731 (2	RSPO3 (2.5)	TIMD4 (2.5)	BLK (2.4)
ZDHHC18 (3.3)	TRIB1 (3.1)	CSGALNACT1 (3.0)	BLK (2.7)	MAFF (2.6)
CATSPER2 (2.6)	TIMD4 (2.6)	SDCBP (2.6)	MADD (2.5)	EMILIN1 (2.4)
SDC1 (2.2)	ENSG00000234945 (2	CYP26A1 (2.0)	AGBL2 (2.0)	CYP7A1 (2.0)
MLXIPL (3.1)	C19orf80 (3.0)	NDUFS3 (2.9)	ANGPTL4 (2.9)	ENSG00000182329 (2
SOST (2.7)	TAGLN (2.3)	SPG11 (2.2)	C11orf9 (2.1)	RASIP1 (2.0)
ENSG00000256731 (2	SLC5A6 (2.6)	BLK (2.6)	TIMD4 (2.4)	RSPO3 (2.3)
BCL3 (2.4)	PGS1 (2.0)	ANGPTL4 (1.9)	ABCA1 (1.6)	PTPRJ (1.6)
UCN (2.6)	ACP2 (2.5)	SIDT2 (2.2)	RASIP1 (2.1)	HDAC5 (2.1)
PGS1 (2.7)	ZDHHC18 (2.6)	PTPN13 (2.6)	BMPR2 (2.5)	TRIB1 (2.2)
CSGALNACT1 (1.9)	AFF1 (1.9)	ANGPTL4 (1.9)	LINC00208 (1.8)	GALNT2 (1.8)
BCL3 (2.8)	PCIF1 (2.8)	MAFF (2.8)	BUD13 (2.4)	KDM3A (2.3)
PLA2G6 (3.2)	FADS1 (3.2)	GPAM (3.0)	FDFT1 (2.9)	LPAL2 (2.7)
CETP (2.3)	EPB41L3 (2.3)	CD300LG (2.3)	MADD (2.2)	GATAD2A (2.1)
ZNF513 (2.3)	CTSB (2.3)	TMEM175 (2.2)	SDC1 (2.1)	HP (2.0)
ZDHHC18 (2.9)	PTPN13 (2.7)	SLC5A6 (2.5)	BLK (2.3)	TIMD4 (2.2)
VEGFA (2.6)	APOA5 (2.6)	BCAM (2.4)	ENSG00000236267 (2	TMED5 (2.3)
HGFAC (2.4)	CYP7A1 (2.4)	ENSG00000254235 (2	GPAM (2.2)	PACSIN3 (2.1)
HGFAC (2.4)	CYP7A1 (2.4)	ENSG00000254235 (2	GPAM (2.2)	PACSIN3 (2.1)
LIPC (6.2)	ANGPTL3 (6.1)	APOA1 (6.0)	APOC3 (5.6)	HP (5.5)
TMED5 (3.4)	CTSB (3.3)	HP (2.9)	PREB (2.7)	VEGFA (2.6)

C17orf105 (2.4)	FADS1 (2.3)	ENSG00000222035 (2	NR0B2 (2.2)	ENSG00000236267 (2
F2 (5.7)	APOA4 (4.7)	LIPC (4.3)	APOC1 (4.1)	NR0B2 (3.8)
ANGPTL4 (3.0)	DDB2 (2.9)	KDM3A (2.5)	MAFF (2.5)	CBLC (2.1)
SDC1 (2.2)	CYP26A1 (2.2)	CYP7A1 (2.1)	CCDC121 (2.1)	ENSG00000234945 (2
ACP2 (3.0)	TIMD4 (2.9)	BCL3 (2.8)	TAGLN (2.6)	DUSP3 (2.3)
ABCA1 (3.6)	ACP2 (3.6)	HARBI1 (3.3)	APOC1 (3.2)	LPL (3.1)
SLC5A6 (2.6)	ENSG00000256731 (2	BLK (2.4)	RSPO3 (2.4)	PTPN13 (2.4)
COBLL1 (2.2)	CATSPER2 (2.0)	PTPN13 (1.8)	PBX4 (1.8)	C2orf53 (1.8)
PDIA3 (2.3)	ABO (2.2)	TAGLN (2.2)	FRMD5 (2.0)	CTSB (2.0)
ATG4C (2.8)	PIGV (2.8)	TSSK6 (2.7)	SIDT2 (2.7)	G6PC3 (2.6)
ENSG00000254235 (2	SIDT2 (3.3)	NAT2 (3.2)	LPAR2 (2.9)	MLXIPL (2.8)
ENSG00000253379 (2	KLF14 (3.0)	SLC5A6 (2.7)	FADS1 (2.6)	HAPLN4 (2.5)
MYBPC3 (3.2)	BMPR2 (3.1)	GATA4 (2.9)	ENSG00000182319 (2	PVRL2 (2.6)
F2 (5.7)	APOA4 (4.6)	LIPC (4.3)	APOC1 (4.1)	NR0B2 (3.7)
LINC00208 (2.3)	PIGV (2.1)	BRE (1.9)	CD300LG (1.8)	ENSG00000223522 (1
APOC4 (4.1)	CYP7A1 (3.7)	APOA5 (3.7)	LPA (3.3)	NAT2 (3.3)
PCIF1 (2.3)	CYP7A1 (2.3)	CHMP3 (2.2)	KBTBD4 (2.1)	SFN (2.1)
PIGV (2.9)	G6PC3 (2.7)	ATP13A1 (2.7)	SIDT2 (2.6)	ATG4C (2.5)
BLK (3.9)	TIMD4 (3.3)	NR1H3 (2.9)	GMIP (2.6)	ZDHHC18 (2.6)
SLC22A1 (2.5)	RBKS (2.4)	LPAL2 (2.4)	C8orf49 (2.2)	NR0B2 (2.2)
SUGP1 (2.9)	ZNF335 (2.8)	PREB (2.7)	NRBP1 (2.7)	ARFGAP2 (2.6)
BCL3 (3.1)	GMIP (3.0)	ABCA1 (2.7)	DDB2 (2.6)	ENSG00000182319 (2
F2 (5.0)	APOA1 (4.9)	APOC3 (4.4)	ANGPTL3 (4.2)	APOA5 (3.3)
GATA4 (2.4)	LRP4 (2.4)	FUT1 (2.3)	ABO (2.3)	SFN (2.2)
SLC5A6 (2.7)	IGF2R (2.5)	CITED2 (2.5)	PGS1 (2.4)	MAU2 (2.3)
F2 (5.9)	APOA4 (4.7)	LIPC (4.4)	APOC1 (4.0)	APOA5 (3.8)
ANGPTL4 (2.6)	ACP2 (2.4)	TMED5 (2.4)	PTCD3 (2.1)	IMMT (2.1)
KANK2 (2.6)	CILP2 (2.3)	ENSG00000254235 (2	TAGLN (2.2)	ENSG00000182329 (1
TAGLN (2.3)	C8orf12 (2.3)	FNBP4 (2.2)	PTPN13 (2.2)	TP53BP1 (2.2)
DOCK6 (2.4)	ENSG00000182319 (2	RSPO3 (2.1)	CYP26A1 (2.1)	BMPR2 (2.0)
C1orf172 (3.0)	LRP4 (2.8)	PTPN13 (2.6)	BCAM (2.4)	EMILIN1 (2.0)
ZDHHC18 (2.8)	ENSG00000256731 (2	BLK (2.4)	RSPO3 (2.3)	CETP (2.2)
LPL (3.2)	KHK (3.0)	NAGS (3.0)	VEGFA (2.9)	PDIA3 (2.7)
LIPC (2.6)	SDCBP (2.3)	MADD (2.3)	PTPRJ (2.2)	GCKR (2.2)
UBXN2B (2.9)	CCDC121 (2.9)	GCKR (2.9)	AGBL2 (2.8)	NAT2 (2.7)
PDIA3 (2.8)	TMED5 (2.8)	GATA4 (2.8)	TBL2 (2.4)	OST4 (2.3)
DOCK6 (3.1)	EMILIN1 (2.6)	BCAM (2.3)	CITED2 (2.2)	CMIP (2.0)
COBLL1 (2.0)	PCIF1 (2.0)	C8orf49 (1.9)	PTPMT1 (1.8)	DR1 (1.7)
BLK (2.9)	ABCA1 (2.6)	SLC22A3 (2.6)	ZDHHC18 (2.5)	CTSB (2.4)
HGFAC (2.6)	ENSG00000254235 (2	CYP7A1 (2.5)	GPAM (2.2)	PACSIN3 (2.1)
ANGPTL3 (6.1)	APOA1 (5.5)	APOA4 (5.1)	LIPC (4.8)	APOC4 (3.6)
ENSG00000256731 (2	SLC5A6 (2.6)	BLK (2.5)	TIMD4 (2.4)	RSPO3 (2.3)
USP1 (2.5)	ENSG00000256731 (2	BAZ1B (2.1)	PPM1G (1.7)	SUMO1 (1.6)
RBKS (3.1)	IMMT (3.0)	BRE (3.0)	GPAM (2.7)	UCN (2.6)
CETP (2.3)	ZDHHC18 (2.2)	LINC00208 (2.2)	TIMD4 (2.2)	DDB2 (2.0)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
APOC1 (3.9)	APOA4 (3.5)	APOE (3.3)	APOB (3.3)	APOC3 (3.3)
AFF1 (2.5)	RSPO3 (2.5)	REEP3 (2.1)	PACSIN3 (2.0)	BRE (2.0)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)

ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	BLK (2.6)	RSPO3 (2.4)	TIMD4 (2.3)
APOA4 (5.4)	APOC3 (5.2)	APOA1 (5.0)	TIMD4 (4.8)	LIPC (4.5)
F2 (5.7)	APOA4 (4.7)	LIPC (4.4)	APOC1 (3.9)	NR0B2 (3.7)
KLF14 (2.3)	PTPN13 (2.3)	LPL (2.1)	EPB41L3 (2.0)	LINC00208 (2.0)
APOE (2.9)	LPL (2.5)	ACP2 (2.4)	LRP4 (2.4)	KRTCAP3 (2.4)
CLPTM1 (2.6)	SDCBP (2.3)	DOCK6 (2.2)	BLK (2.0)	KANK2 (1.9)
LIPC (4.6)	APOE (4.4)	APOA1 (4.4)	APOA5 (4.1)	APOA4 (4.0)
NAT2 (2.8)	CYP7A1 (2.4)	ENSG00000236267 (2	ENSG00000254235 (2	MAPRE3 (2.2)
TM6SF2 (2.7)	CD300LG (2.5)	TMED5 (2.5)	ENSG00000236267 (2	APOA4 (2.2)
MAFF (2.9)	CETP (2.7)	GMIP (2.6)	CTSB (2.6)	BLK (2.6)
APOC3 (3.2)	APOB (3.2)	LIPC (3.2)	SFN (3.2)	BCAM (3.1)
NR1H3 (2.9)	GPAM (2.7)	KHK (2.7)	RBKS (2.5)	UBXN2B (2.5)
CYP7A1 (3.3)	HGFAC (2.8)	PBX4 (2.6)	ANGPTL3 (2.5)	PGS1 (2.5)
APOA1 (3.5)	F2 (3.4)	ANGPTL3 (3.3)	APOC4 (3.2)	APOB (3.1)
G6PC3 (2.5)	PLTP (2.4)	LPAL2 (2.4)	SIDT2 (2.3)	DHODH (2.2)
TM6SF2 (3.5)	TRIB1 (2.9)	ANGPTL4 (2.5)	SIDT2 (2.4)	MAFF (2.2)
AMBRA1 (3.1)	SDC1 (3.0)	FUT1 (2.5)	FAM167A (2.4)	PAFAH1B2 (2.3)
TBL2 (2.9)	FZD9 (2.4)	ENSG00000182319 (2	LRP4 (2.0)	BNC2 (1.9)
SUMO1 (2.7)	ENSG00000200241 (2	ENSG00000254235 (2	NSMAF (2.4)	CELF1 (2.3)
NSMAF (2.6)	DHX38 (2.5)	ARID1A (2.5)	DOCK7 (2.4)	PCIF1 (2.1)
RSPO3 (2.7)	PVRL2 (2.5)	PACSIN3 (2.3)	SOST (2.2)	FZD9 (2.2)
HP (7.7)	APOA1 (6.8)	APOB (6.4)	APOC4 (6.3)	APOC3 (6.2)
BMPR2 (2.2)	RFX4 (2.2)	FZD9 (2.2)	GPAM (1.8)	FAM167A (1.6)
SIK3 (2.1)	DR1 (2.1)	SUMO1 (2.1)	MFAP1 (2.0)	JMJD1C (1.9)
ENSG00000222035 (2	TSSK6 (2.2)	COBLL1 (2.1)	RASIP1 (2.0)	DOCK6 (1.9)
NAT2 (2.4)	ABCA1 (2.1)	PGS1 (2.1)	TM6SF2 (1.9)	CBLC (1.8)
KDM3A (2.9)	AFF1 (2.6)	AMBRA1 (2.3)	PCSK7 (2.2)	FADS2 (2.0)
NCAN (2.9)	ANGPTL4 (2.6)	LRP4 (2.4)	FRMD5 (2.3)	MAP1A (2.2)
TRIB1 (2.8)	NEIL2 (2.7)	ARID1A (2.5)	C11orf49 (2.3)	GPN1 (1.9)
APOC4 (3.2)	HGFAC (3.1)	MLXIPL (3.0)	SLC22A1 (2.9)	DHODH (2.7)
CETP (2.8)	ZDHHC18 (2.1)	SLC22A3 (2.1)	ABCA1 (2.0)	CD300LG (2.0)
CYP7A1 (5.5)	APOC4 (5.1)	TM6SF2 (4.7)	GCKR (4.7)	KHK (4.6)
GALNT2 (2.9)	PLA2G6 (2.5)	LPL (2.4)	SIDT2 (2.3)	MPP3 (2.3)
ENSG00000256731 (2	SLC5A6 (2.7)	TIMD4 (2.5)	BLK (2.3)	RSPO3 (2.3)
DR1 (2.8)	GTF3C2 (2.7)	GPN2 (2.7)	CKAP5 (2.6)	NUP160 (2.6)
TXNL4B (2.2)	GALNT2 (2.2)	AFF1 (2.2)	FGF21 (2.1)	INTS10 (2.0)
ANGPTL4 (2.9)	RASIP1 (2.7)	CITED2 (2.7)	ARID1A (2.4)	TAGLN (2.2)
C19orf80 (2.0)	GPAM (1.8)	REEP1 (1.8)	C11orf9 (1.8)	CELF1 (1.8)

TIMD4 (3.7)	APOA1 (3.6)	APOC4 (3.5)	APOB (3.4)	APOA5 (3.4)
FDFT1 (2.8)	ENSG00000236267 (2	FADS2 (2.2)	FUT1 (2.0)	C1orf172 (1.8)
APOB (4.0)	APOC3 (3.9)	NR0B2 (3.8)	APOC1 (3.5)	F2 (3.3)
APOB (4.0)	APOC3 (3.9)	NR0B2 (3.8)	APOC1 (3.5)	F2 (3.3)
BCL3 (2.6)	AFF1 (2.5)	ENSG00000200241 (2	CLPTM1 (2.0)	LINC00208 (1.9)
PPM1G (3.1)	NOP58 (3.1)	CAD (2.8)	GTF3C2 (2.8)	PDIA3 (2.6)
LIPC (4.5)	F2 (4.3)	HGFAC (4.1)	LPA (4.0)	GCKR (3.8)
ACP2 (2.4)	ABHD1 (2.3)	IZUMO1 (2.3)	HAVCR1 (2.2)	FZD9 (2.0)
ABCA1 (2.3)	SFN (2.3)	BCAM (2.3)	MAFF (2.3)	KANK2 (2.2)
ENSG00000236827 (2	LPL (2.5)	LPAL2 (2.3)	MLXIPL (2.2)	CCDC121 (2.2)
FUT2 (2.4)	REEP3 (2.3)	CBLC (2.3)	APOC1 (2.3)	G6PC3 (2.1)
C19orf80 (4.0)	CD300LG (4.0)	LPL (3.8)	NR0B2 (2.5)	FNDC4 (2.4)
BCAM (2.5)	PTPN13 (2.4)	RFX4 (2.4)	CYP26A1 (2.3)	DPYSL5 (2.2)
CAD (2.9)	TUBGCP4 (2.6)	ATP13A1 (2.6)	BAZ1B (2.4)	LPA (2.3)
ENSG00000222035 (2	DNAJC5G (2.6)	CILP2 (2.2)	FZD9 (2.1)	ENSG00000255020 (2
LRP4 (3.8)	TECTB (3.3)	TAGLN (3.0)	FAM167A (2.8)	NFE2L3 (2.5)
TRIB1 (3.1)	LPL (3.1)	NFE2L3 (2.6)	ENSG00000257711 (2	ANGPTL4 (2.2)
SFN (3.3)	FUT1 (3.2)	SNX17 (2.5)	SDC1 (2.5)	NRBP1 (2.4)
FADS1 (2.7)	DHX38 (2.5)	FDFT1 (2.4)	IGF2R (2.4)	PTCD3 (2.3)
APOE (2.5)	CBLC (2.4)	C1orf172 (2.4)	CETP (2.1)	PGS1 (1.9)
BLK (2.8)	ENSG00000256731 (2	GMIP (2.5)	SLC5A6 (2.5)	TIMD4 (2.4)
TIMD4 (3.1)	GMIP (2.6)	NR1H3 (2.4)	ZDHHC18 (2.4)	BCL3 (2.1)
LRP4 (2.5)	SDC1 (2.5)	CD300LG (2.1)	CGREF1 (2.1)	CILP2 (2.1)
FGF21 (3.2)	LPAL2 (2.9)	TMED5 (2.6)	CD300LG (2.5)	RBKS (2.5)
HAPLN4 (3.4)	LRP4 (3.2)	PLTP (2.9)	NCAN (2.6)	CYP26A1 (2.6)
SFN (2.2)	FEN1 (2.1)	NAGS (2.1)	ENSG00000182319 (2	ATP13A1 (2.0)
NR1H3 (3.0)	LPL (3.0)	EMILIN1 (2.4)	COBLL1 (2.4)	PLTP (2.2)
APOC4 (5.0)	CYP7A1 (5.0)	TM6SF2 (4.7)	GCKR (4.5)	ANGPTL3 (4.4)
ANGPTL4 (3.0)	TIMD4 (2.7)	CETP (2.6)	APOC1 (2.5)	PLA2G6 (2.5)
CAD (2.8)	PTCD3 (2.7)	PDIA3 (2.7)	GTF3C2 (2.5)	CLPTM1 (2.3)
BRE (2.6)	FADS1 (2.5)	LPL (2.5)	GPAM (2.5)	PTCD3 (2.4)
HARBI1 (3.1)	ABCA1 (2.7)	APOE (2.6)	ACP2 (2.4)	ATG13 (2.3)
NFE2L3 (2.5)	BCL3 (2.3)	PVRL2 (2.1)	ARID1A (2.1)	DOCK7 (2.1)
CETP (3.1)	ACP2 (3.0)	GMIP (3.0)	CLPTM1 (2.5)	TIMD4 (2.5)
SLC22A3 (2.0)	MAFF (2.0)	ENSG00000254235 (1	ZDHHC18 (1.8)	UBXN2B (1.7)
TECTB (3.5)	CGREF1 (3.4)	LRP4 (3.0)	SOST (3.0)	CTSB (2.8)
MTCH2 (2.7)	CLPTM1 (2.4)	GPAM (2.3)	G6PC3 (2.3)	DUSP3 (2.2)
NAT2 (2.4)	JMJD1C (2.2)	DOCK6 (2.1)	ABCA1 (2.1)	ABO (2.0)
GALNT2 (2.8)	CSGALNACT1 (2.7)	CASC4 (2.7)	TMEM101 (2.4)	TECTB (2.4)
NR1H3 (2.9)	DDB2 (2.7)	AFF1 (2.6)	GMIP (2.6)	CTSB (2.4)
COBLL1 (2.7)	JMJD1C (2.6)	SLC22A3 (2.3)	KANK2 (2.2)	APOA4 (2.1)
ZDHHC18 (2.7)	BLK (2.6)	SLC5A6 (2.6)	RSPO3 (2.4)	TIMD4 (2.2)
ARID1A (3.3)	ENSG00000235545 (2	TRIM54 (2.6)	VEGFA (2.6)	BCAM (2.4)
LSM12 (2.0)	ZNF513 (2.0)	PTPN13 (1.9)	IGF2R (1.8)	HAVCR1 (1.8)
RIC8B (2.3)	KANK2 (2.2)	SDC1 (2.2)	PVRL2 (2.2)	C11orf9 (2.1)
CTSB (2.4)	GMIP (2.2)	NFE2L3 (2.2)	ACP2 (2.1)	DDB2 (2.0)
CETP (3.3)	NFE2L3 (2.8)	HP (2.2)	TIMD4 (2.2)	TECTB (2.2)
APOC3 (4.9)	ANGPTL3 (4.9)	LIPC (4.8)	APOA5 (4.6)	APOC4 (4.4)
CSGALNACT1 (2.3)	ENSG00000256746 (2	ENSG00000226645 (2	FNDC4 (1.9)	INTS10 (1.8)
MLXIPL (3.4)	FADS2 (3.4)	ABHD1 (3.2)	KHK (3.1)	HGFAC (3.0)

MLXIPL (3.4)	FADS2 (3.4)	ABHD1 (3.2)	KHK (3.1)	HGFAC (3.0)
NAT2 (2.1)	IZUMO1 (2.1)	MADD (2.0)	KBTBD4 (1.9)	SLC22A1 (1.9)
ANGPTL3 (3.6)	APOC4 (3.5)	LPAL2 (3.2)	HGFAC (2.9)	NAGS (2.8)
PLTP (2.3)	CITED2 (2.3)	KLF14 (2.0)	BCL3 (1.9)	HP (1.9)
DOCK7 (2.7)	GPAM (2.6)	C19orf80 (2.6)	RFX4 (2.3)	SDCBP (2.2)
APOC4 (4.2)	HP (3.3)	LPL (3.3)	APOE (3.1)	APOA5 (3.1)
ARFGAP2 (2.9)	MPP2 (2.6)	FADS2 (2.5)	KBTBD4 (2.4)	RBKS (2.3)
ATG13 (5.3)	TBL2 (4.5)	TMED5 (3.9)	CAD (2.6)	OST4 (2.5)
NAT2 (2.2)	PCSK7 (2.1)	TDH (1.9)	CASC4 (1.9)	ENSG00000223745 (1
ENSG00000236267 (2	HGFAC (2.4)	HP (2.4)	NR0B2 (2.3)	SFN (2.3)
ENSG00000253379 (2	CYP26A1 (2.5)	TRIB1 (2.5)	ABO (2.4)	DPYSL5 (2.2)
CD300LG (3.7)	MLXIPL (3.2)	C19orf80 (2.6)	PPY (2.4)	DOCK6 (2.3)
ZDHHC18 (2.4)	ABCA1 (2.3)	C2orf16 (2.2)	MAFF (1.9)	NRBF2 (1.7)
EMILIN1 (2.8)	GCKR (2.7)	OST4 (2.5)	GMIP (2.4)	LIPC (2.3)
APOC4 (4.3)	GCKR (4.2)	ANGPTL3 (3.9)	APOA5 (3.5)	NAT2 (3.2)
HAPLN4 (3.5)	FAM167A (3.0)	RFX4 (2.7)	C11orf9 (2.5)	PGS1 (2.4)
APOA1 (5.5)	APOC3 (5.4)	APOA5 (5.4)	ANGPTL3 (5.3)	APOC4 (5.3)
SDC1 (2.1)	MAFF (1.9)	PCSK7 (1.9)	AGBL5 (1.8)	FUT1 (1.8)
CETP (1.8)	C8orf12 (1.7)	APOE (1.7)	APOC4 (1.6)	PPY (1.5)
BLK (2.8)	TDH (2.7)	BAZ1B (2.1)	CMIP (2.0)	LSM12 (1.9)
C8orf49 (2.3)	ANGPTL4 (2.2)	ENSG00000182319 (1	CITED2 (1.9)	MAPRE3 (1.8)
GTF3C2 (2.5)	TOMM40 (2.4)	EIF3J (2.4)	CLPTM1 (2.4)	SUGP1 (2.2)
SDCBP (2.4)	BAZ1B (2.3)	NOP58 (2.3)	ENSG00000223745 (2	EIF3J (2.3)
CYP7A1 (3.7)	SLC22A1 (3.7)	HGFAC (3.0)	TM6SF2 (3.0)	SFN (2.5)
ENSG00000256731 (2	SLC5A6 (2.6)	GMIP (2.6)	PTPN13 (2.4)	BLK (2.3)
LINC00208 (2.0)	ANGPTL4 (1.9)	IZUMO1 (1.9)	CD300LG (1.8)	GALNT2 (1.8)
PCSK7 (2.2)	ENSG00000226645 (2	ZNF513 (2.1)	ZDHHC18 (2.1)	PLTP (2.0)
RASIP1 (2.8)	CILP2 (2.8)	APOE (2.6)	BCAM (2.5)	IGF2R (2.5)
ARID1A (2.5)	NRBP1 (2.4)	TRIM54 (2.3)	TRIB1 (2.2)	UBXN2B (2.2)
NUP160 (2.2)	PPM1G (2.1)	ANGPTL4 (1.9)	PBX4 (1.9)	DHX38 (1.8)
ENSG00000234945 (2	NFE2L3 (2.1)	EIF2B4 (2.0)	SIK3 (1.8)	TIMD4 (1.8)
C2orf16 (2.4)	ENSG00000226645 (2	ENSG00000236827 (2	EPB41L3 (2.2)	FNDC4 (1.9)
MTCH2 (2.6)	VEGFA (2.5)	COBLL1 (2.4)	TDH (2.3)	MRPL33 (2.3)
TRIB1 (3.1)	BLK (2.9)	CETP (2.5)	RASIP1 (2.5)	EMILIN1 (2.4)
GPAM (2.4)	CELF1 (2.3)	LPL (2.2)	VEGFA (2.2)	DUSP3 (2.2)
ABHD1 (3.3)	C2orf28 (3.1)	RBKS (2.7)	PTPMT1 (2.7)	CYP7A1 (2.7)
ZNF512 (2.2)	F2 (2.0)	ANGPTL3 (2.0)	SDC1 (2.0)	ZNF664 (2.0)
SIDT2 (2.5)	ABHD1 (2.3)	LSM12 (2.1)	MPP2 (2.0)	EPB41L3 (2.0)
ENSG00000256746 (2	ENSG00000257711 (2	LPL (2.4)	ENSG00000235545 (2	COBLL1 (2.2)
CHMP3 (3.1)	C11orf9 (3.0)	PVRL2 (3.0)	PDIA3 (2.6)	IFT172 (2.5)
SDC1 (3.0)	SFN (3.0)	RSPO3 (2.9)	LPAR2 (2.7)	SOST (2.7)
APOB (6.2)	ANGPTL3 (5.1)	APOA1 (5.0)	APOE (4.5)	APOC4 (4.3)
NRBF2 (3.1)	PCIF1 (3.1)	GPN2 (2.9)	ZNF513 (2.8)	HP (2.4)
ANGPTL3 (2.1)	PPY (2.0)	C1orf172 (2.0)	RIC8B (1.9)	F2 (1.8)
PYY (3.0)	FUT2 (2.9)	PTPRJ (2.3)	PGS1 (2.0)	TRIB1 (2.0)
TECTB (3.4)	FZD9 (3.2)	LPL (2.9)	EMILIN1 (2.8)	LRP4 (2.4)
MTCH2 (2.7)	OST4 (2.3)	PTCD3 (2.0)	TOMM40 (2.0)	PDIA3 (1.8)
ABCA1 (3.4)	GCKR (3.0)	CTSB (2.9)	CETP (2.6)	C2orf53 (2.3)
HGFAC (2.8)	TM6SF2 (2.4)	LIPC (2.3)	NRBF2 (2.3)	PIGV (2.0)
COBLL1 (2.8)	ENSG00000257711 (2	ABO (2.2)	MLXIPL (1.9)	MAPK10 (1.8)

ENSG00000256731 (2	BLK (2.5)	SLC5A6 (2.5)	RSPO3 (2.3)	PTPN13 (2.3)
TMEM101 (2.8)	CSGALNACT1 (2.8)	PTPMT1 (2.7)	GALNT2 (2.6)	TMEM175 (2.5)
DOCK7 (3.0)	GPN1 (3.0)	POLR1A (3.0)	PTCD3 (2.8)	CTDSPL2 (2.7)
SLC22A1 (3.1)	HARBI1 (2.7)	NRBF2 (2.7)	APOA4 (2.6)	TM6SF2 (2.6)
ABCA1 (2.0)	AMBRA1 (2.0)	ATG13 (2.0)	SDCBP (1.9)	AFF1 (1.9)
UBXN2B (2.1)	TRIB1 (2.0)	AFF1 (2.0)	SUPT7L (1.9)	FNBP4 (1.9)
TMEM175 (2.5)	HAVCR1 (2.4)	CBLC (2.4)	BCAM (2.1)	ENSG00000182319 (2
ZDHHC18 (2.7)	CTSB (2.5)	SDCBP (2.4)	ACP2 (1.8)	PBX4 (1.8)
SUMO1 (2.7)	ENSG00000200241 (2	ENSG00000254235 (2	NSMAF (2.4)	CELF1 (2.3)
SDC1 (3.0)	CYP26A1 (2.7)	BNC2 (2.5)	REEP3 (2.3)	SOST (2.2)
GMIP (2.8)	ZDHHC18 (2.5)	NR1H3 (2.3)	ACP2 (2.2)	PCSK7 (2.1)
EMILIN1 (3.3)	GCKR (3.3)	APOC4 (3.2)	CETP (3.0)	CYP7A1 (2.9)
CMIP (2.0)	TDH (1.9)	LPL (1.9)	CITED2 (1.8)	TMED5 (1.8)
GATAD2A (3.0)	DOCK6 (2.9)	ENSG00000182319 (2	TAGLN (2.3)	CETP (2.0)
TRIB1 (3.1)	APOE (3.1)	MAFF (2.9)	NFE2L3 (2.8)	CTSB (2.6)
TOMM40 (3.1)	OST4 (2.9)	GATAD2A (2.6)	CAD (2.5)	PTCD3 (2.3)
CETP (2.3)	PPY (2.2)	ACP2 (2.0)	ENSG00000236267 (1	TP53BP1 (1.8)
SLC5A6 (2.7)	MPV17 (2.6)	CSGALNACT1 (2.5)	LRP4 (2.4)	INTS10 (2.4)
PTPMT1 (2.3)	C2orf53 (2.3)	DNAJC5G (2.3)	NR0B2 (2.3)	NAGS (2.3)
ATG13 (4.9)	TBL2 (4.9)	TMED5 (3.7)	CAD (2.8)	FGF21 (2.8)
CETP (2.4)	TECTB (2.4)	VEGFA (2.3)	CITED2 (2.2)	TIMD4 (2.2)
PREB (4.7)	TMED5 (4.4)	G6PC3 (3.5)	C2orf28 (3.4)	PIGV (3.0)
TRIB1 (3.4)	PTPRJ (3.1)	MAFF (2.8)	BCL3 (2.8)	PLTP (2.7)
NR1H3 (2.5)	LPL (2.5)	ABCA1 (2.5)	TIMD4 (2.4)	PLA2G6 (2.3)
AFF1 (2.2)	PLTP (2.1)	ABCA1 (2.1)	SUPT7L (2.1)	PTPRJ (1.9)
SLC22A1 (3.7)	CETP (3.4)	APOC4 (3.1)	GCKR (3.0)	HP (2.7)
PAFAH1B2 (2.7)	LPAR2 (2.6)	ENSG00000182319 (2	CBLC (2.5)	AMBRA1 (2.3)
PYY (2.4)	PIGV (2.3)	PTPMT1 (2.2)	ENSG00000236267 (2	PPY (2.0)
ZDHHC18 (2.2)	SIK3 (2.2)	GMIP (2.1)	CTSB (2.0)	C2orf16 (1.9)
POLR1A (2.6)	PPM1G (2.5)	TOMM40 (2.3)	CAD (2.2)	SUGP1 (2.1)
ANGPTL3 (4.1)	NAT2 (4.1)	LPA (4.1)	LPAL2 (4.0)	HGFAC (3.9)
KANK2 (2.4)	CILP2 (2.4)	ENSG00000254235 (2	TAGLN (2.1)	ANGPTL4 (1.9)
ENSG00000182319 (1	CITED2 (1.9)	PTPRJ (1.8)	DOCK6 (1.8)	EMILIN1 (1.7)
DPYSL5 (2.9)	GATA4 (2.7)	LRP4 (2.6)	PYY (2.3)	IGF2R (2.3)
VEGFA (3.7)	FGF21 (3.7)	BCL3 (3.5)	NRBF2 (3.2)	BCL7B (2.3)
MPP2 (2.6)	F2 (2.4)	CLPTM1 (2.4)	APOE (2.4)	SLC30A3 (2.3)
APOC1 (3.2)	MLXIPL (3.0)	ENSG00000236827 (2	TMED5 (2.6)	ZNF335 (2.3)
VEGFA (2.7)	APOB (2.6)	APOA1 (2.6)	APOC3 (2.3)	KDM3A (2.2)
MAMSTR (2.6)	PPY (2.5)	ENSG00000256731 (2	NAGS (2.2)	RIC8B (1.9)
NAT2 (2.5)	TM6SF2 (2.4)	CYP7A1 (2.3)	NR0B2 (2.3)	GATA4 (2.1)
VEGFA (4.3)	FGF21 (2.8)	CATSPER2 (2.7)	NR0B2 (2.4)	NRBF2 (2.3)
C11orf9 (3.1)	LRP4 (2.7)	RFX4 (2.5)	PGS1 (2.4)	CBLC (2.4)
EMILIN1 (3.8)	SDC1 (3.2)	MAFF (2.9)	BCAM (2.5)	PLTP (2.3)
SDC1 (2.7)	TMEM101 (2.5)	DOCK7 (2.3)	STRC (1.9)	CCDC121 (1.9)
KLF14 (2.3)	EMILIN1 (2.3)	CASC4 (2.0)	PLTP (1.9)	ANGPTL4 (1.8)
LIPC (2.5)	SLC22A1 (2.5)	PIGV (2.4)	FGF21 (2.2)	TM6SF2 (2.1)
NAT2 (2.4)	TMED5 (2.4)	COBLL1 (2.3)	ANGPTL4 (2.3)	NR1H3 (2.2)
LIPC (4.1)	HGFAC (4.0)	C2orf16 (3.9)	GCKR (3.8)	APOA5 (3.7)
SLC5A6 (2.8)	SLC22A3 (2.6)	RSPO3 (2.5)	BLK (2.5)	ENSG00000256731 (2
RASIP1 (2.5)	CBLC (2.5)	FUT1 (2.3)	C1orf172 (2.3)	AGBL2 (2.3)

APOC1 (3.7)	CETP (3.7)	ACP2 (3.2)	NR1H3 (2.8)	HP (2.6)
CYP7A1 (2.3)	DNAH10 (2.1)	ANGPTL4 (2.1)	MAFF (1.8)	C2orf16 (1.8)
DPYSL5 (2.8)	ENSG00000253379 (2	LRP4 (2.5)	BMPR2 (2.4)	BNC2 (2.3)
ENSG00000236267 (2	ENSG00000223745 (2	C2orf53 (1.9)	CASC4 (1.9)	C8orf12 (1.9)
ARFGAP2 (3.1)	BUD13 (2.9)	CELF1 (2.8)	NOP58 (2.8)	RIC8B (2.7)
ENSG00000235545 (2	EMILIN1 (2.3)	FDFT1 (2.3)	MAFF (2.1)	VEGFA (2.0)
MLXIPL (2.4)	NR0B2 (2.3)	CMIP (2.3)	PYY (2.2)	NAT2 (2.1)
LPA (3.6)	NAGS (3.5)	APOC4 (3.5)	TM6SF2 (3.3)	KHK (2.8)
ABO (4.1)	NAGS (3.8)	HGFAC (3.6)	ANGPTL3 (3.6)	GCKR (3.6)
ABO (4.1)	NAGS (3.8)	HGFAC (3.6)	ANGPTL3 (3.6)	GCKR (3.6)
ARID1A (2.3)	SDCBP (2.3)	PTPRJ (2.2)	GMIP (2.2)	NRBF2 (2.2)
ACP2 (2.8)	APOE (2.6)	BCAM (2.4)	APOC1 (2.2)	NCAN (2.2)
IMMT (3.7)	NRBP1 (2.6)	EIF2B4 (2.6)	IFT172 (2.6)	ATG13 (2.5)
FUT1 (4.3)	SDC1 (3.2)	BCAM (2.3)	REEP3 (2.2)	CSGALNACT1 (2.1)
TAGLN (3.4)	IGF2R (2.6)	EMILIN1 (2.3)	BCAM (2.2)	DOCK6 (2.2)
DOCK6 (2.9)	LINC00208 (2.8)	ENSG00000226645 (2	RSPO3 (2.3)	ENSG00000223522 (2
APOB (3.3)	APOA1 (3.3)	APOC3 (3.2)	HP (3.0)	LIPC (3.0)
CYP26A1 (2.6)	EMILIN1 (2.5)	BMPR2 (2.2)	KANK2 (2.2)	PTPN13 (2.2)
GMIP (2.6)	ENSG00000236267 (2	BLK (2.3)	PTPRJ (2.2)	LPAL2 (2.1)
CETP (2.7)	CBLC (2.6)	RBKS (2.3)	BRE (2.2)	IZUMO1 (2.1)
HGFAC (4.1)	ENSG00000254235 (4	LPA (4.0)	NAT2 (3.7)	KHK (3.5)
APOC3 (3.9)	APOB (3.8)	FGF21 (3.6)	NAGS (3.3)	MLXIPL (3.1)
ZDHHC18 (2.8)	SLC5A6 (2.7)	BLK (2.5)	TIMD4 (2.4)	CETP (2.3)
ANGPTL4 (3.9)	NR1H3 (2.8)	HP (2.7)	C19orf80 (2.7)	SLC5A6 (2.4)
APOA4 (2.7)	PLTP (2.5)	APOC3 (2.3)	APOA1 (2.3)	PMFBP1 (2.2)
NFE2L3 (2.9)	CETP (2.3)	PIGV (1.9)	CYP7A1 (1.8)	PVRL2 (1.8)
CD300LG (2.0)	LINC00208 (1.8)	IZUMO1 (1.8)	ENSG00000236827 (1	ANGPTL4 (1.7)
CTSB (2.7)	HP (2.6)	PTPRJ (2.4)	ANGPTL4 (2.3)	RBKS (2.2)
FZD9 (2.7)	APOB (2.5)	APOE (2.5)	ENSG00000256731 (2	APOC1 (2.5)
ENSG00000236827 (2	ENSG00000223522 (2	BRE (2.0)	PIGV (1.9)	CCDC121 (1.9)
UBXN2B (2.3)	SDC1 (2.3)	CMIP (2.2)	ENSG00000253379 (2	BMPR2 (2.0)
LPAR2 (2.5)	RFX4 (2.5)	PTPN13 (2.4)	TMEM175 (2.3)	DPYSL5 (2.0)
HGFAC (3.3)	NAGS (3.3)	APOC4 (3.2)	LPA (3.1)	APOA5 (3.0)
CBLC (2.6)	GALNT2 (2.5)	ZNF664 (2.3)	CKAP5 (2.2)	TRIB1 (2.1)
ABHD1 (3.3)	CYP7A1 (3.1)	MLXIPL (2.9)	KHK (2.8)	GPAM (2.7)
CAD (3.5)	TOMM40 (3.3)	GPN1 (3.1)	EIF3J (3.0)	EIF2B4 (3.0)
PTPMT1 (4.1)	IMMT (3.0)	PTCD3 (3.0)	GATA4 (2.7)	TOMM40 (2.4)
GPAM (2.6)	ENSG00000234945 (2	GALNT2 (2.5)	SLC22A1 (2.4)	FGF21 (2.4)
PTPN13 (2.7)	LRP4 (2.7)	CYP26A1 (2.6)	RASIP1 (2.4)	DOCK6 (2.3)
C1orf172 (1.9)	ENSG00000222035 (1	ABHD1 (1.8)	MPV17 (1.6)	RSPO3 (1.6)
BLK (2.7)	JMJD1C (2.3)	CAD (2.3)	POLR1A (2.2)	KDM3A (2.2)
VEGFA (3.8)	CETP (3.5)	ANGPTL4 (3.2)	LPL (2.6)	FUT1 (2.2)
VEGFA (3.8)	CETP (3.5)	ANGPTL4 (3.2)	LPL (2.6)	FUT1 (2.2)
ANGPTL3 (2.9)	RBKS (2.4)	ABHD1 (2.4)	NAGS (2.2)	C11orf9 (2.1)
CYP7A1 (2.8)	SLC22A1 (2.6)	ANGPTL3 (2.5)	LPA (2.5)	EIF3J (2.3)
RASIP1 (2.7)	CD300LG (2.6)	ENSG00000255020 (2	DOCK6 (2.2)	STRC (2.1)
PTPRJ (2.5)	C2orf16 (2.2)	AFF1 (2.1)	CTSB (2.1)	TDH (2.0)
DOCK6 (3.3)	VEGFA (3.2)	TECTB (3.1)	ABO (2.6)	TDH (2.5)
G6PC3 (4.4)	PIGV (4.4)	ATP13A1 (4.1)	CLPTM1 (3.9)	TMED5 (3.8)
ENSG00000182319 (3	LPAR2 (3.1)	LRP4 (3.0)	FAM167A (2.3)	DPYSL5 (2.0)

LPA (2.4)	FUT1 (2.4)	ENSG00000255020 (2	LPAL2 (2.0)	CYP7A1 (1.9)
C1orf172 (2.6)	ENSG00000255020 (2	UCN (2.4)	FAM167A (2.3)	FNDC4 (2.1)
DHODH (3.2)	PREB (3.1)	TMEM101 (3.1)	TMED5 (3.0)	G6PC3 (3.0)
NSMAF (2.4)	C19orf80 (2.0)	DHX38 (2.0)	NOP58 (2.0)	POLR1A (1.9)
JMJD1C (2.3)	PPY (2.2)	MLXIPL (2.1)	PTPN13 (2.0)	BRE (2.0)
SDC1 (2.9)	NR1H3 (2.8)	SDCBP (2.8)	GALNT2 (2.8)	CTSB (2.6)
SLC30A3 (2.0)	ENSG00000222035 (1	C11orf9 (1.9)	CYP26A1 (1.6)	RFX4 (1.6)
LRP4 (3.0)	NAT2 (2.8)	IGF2R (2.6)	UCN (2.5)	MPP2 (2.4)
BNC2 (2.5)	NR0B2 (2.5)	GATA4 (2.5)	FNDC4 (2.3)	NEIL2 (2.3)
CETP (2.9)	TSSK6 (2.6)	TMEM175 (2.4)	APOE (2.3)	ATG4C (2.2)
C8orf49 (2.9)	BMPR2 (2.8)	ABCA1 (2.8)	ACP2 (2.7)	SDC1 (2.4)
LPL (2.6)	BCAM (2.3)	TDH (2.2)	PDIA3 (2.1)	BMPR2 (2.1)
PPY (2.4)	ENSG00000256731 (2	RSPO3 (2.2)	BCL3 (2.1)	KLF14 (2.1)
HARBI1 (2.8)	GCKR (2.5)	FNDC4 (2.4)	LPAL2 (2.2)	REEP3 (2.2)
BAZ1B (2.5)	TDH (2.2)	MYBPC3 (2.2)	RSPO3 (2.2)	AFF1 (2.2)
GMIP (2.6)	NFE2L3 (2.1)	HP (1.9)	ANGPTL3 (1.9)	TRIB1 (1.9)
EIF2B4 (2.4)	TOMM40 (2.2)	NSMAF (2.2)	PLA2G6 (2.1)	ARFGAP2 (2.0)
LINC00208 (2.4)	ENSG00000236827 (2	ENSG00000254235 (2	CILP2 (2.3)	SDC1 (2.3)
TM6SF2 (4.3)	APOB (4.3)	CYP26A1 (3.5)	NAGS (3.5)	APOA5 (3.2)
PCIF1 (2.6)	BCAM (2.5)	ENSG00000182319 (2	ENSG00000222035 (2	CILP2 (2.1)
LIPC (4.1)	APOE (3.9)	APOA1 (3.6)	APOA5 (3.6)	APOC1 (3.4)
RASIP1 (2.7)	TRIM54 (2.6)	ENSG00000257711 (2	ENSG00000223745 (2	MPP3 (1.9)
PLTP (3.5)	CLPTM1 (3.5)	APOE (2.9)	BNC2 (2.9)	IGF2R (2.7)
PLTP (3.5)	CLPTM1 (3.5)	APOE (2.9)	BNC2 (2.9)	IGF2R (2.7)
C2orf28 (3.5)	PLTP (3.3)	IGF2R (3.2)	DUSP3 (3.2)	SIDT2 (3.1)
C2orf28 (3.5)	PLTP (3.3)	IGF2R (3.2)	DUSP3 (3.2)	SIDT2 (3.1)
SLC5A6 (2.7)	SLC22A3 (2.4)	ZDHHC18 (2.3)	BLK (2.2)	RSPO3 (2.1)
APOA1 (4.8)	ANGPTL3 (4.5)	APOA5 (4.2)	SDCBP (4.1)	APOC3 (4.0)
APOA1 (4.8)	ANGPTL3 (4.5)	APOA5 (4.2)	SDCBP (4.1)	APOC3 (4.0)
TM6SF2 (2.5)	NR0B2 (2.5)	KHK (2.4)	APOA4 (2.3)	TUBGCP4 (2.3)
IFT172 (2.7)	AFF1 (2.4)	CCDC92 (2.2)	KANK2 (2.2)	BNC2 (2.1)
BLK (2.4)	SLC22A3 (2.2)	ZDHHC18 (2.1)	TIMD4 (2.0)	CTSB (1.9)
CILP2 (2.6)	GATA4 (2.4)	CYP26A1 (2.4)	TM6SF2 (2.3)	BNC2 (2.2)
BCL7B (2.3)	SUGP1 (2.3)	ENSG00000223745 (2	ZNF408 (2.1)	CELF1 (2.1)
MPV17 (2.6)	C2orf28 (2.6)	SIDT2 (2.6)	CHMP3 (2.5)	HDAC5 (2.4)
ENSG00000254235 (2	FUT1 (2.1)	SDC1 (2.1)	LSM12 (2.1)	CITED2 (2.0)
FRMD5 (2.4)	FEN1 (2.1)	CSGALNACT1 (2.1)	KANK2 (2.1)	ENSG00000253379 (2
MAPK10 (2.4)	PMFBP1 (2.3)	DNAH10 (2.2)	KLF14 (2.2)	FNDC4 (1.9)
CETP (2.9)	GMIP (2.8)	TIMD4 (2.8)	SIK3 (2.5)	NFE2L3 (2.0)
NSMAF (2.5)	FAM167A (2.4)	PTPN13 (2.4)	GTF3C2 (2.3)	BMPR2 (2.3)
CTSB (2.3)	NR0B2 (2.1)	LPA (2.1)	APOC4 (2.0)	LPAL2 (1.8)
BCL3 (4.0)	CD300LG (2.7)	C19orf80 (2.4)	MAFF (2.2)	HP (2.1)
CYP26A1 (2.8)	NR0B2 (2.7)	LPA (2.6)	NAT2 (2.6)	COBLL1 (2.6)
JMJD1C (3.1)	IGF2R (2.8)	NCAN (2.7)	GALNT2 (2.6)	ARID1A (2.3)
GCKR (3.6)	APOC4 (3.5)	HGFAC (3.2)	ANGPTL3 (3.2)	ENSG00000256731 (2
EMILIN1 (2.7)	BCAM (2.7)	SDC1 (2.3)	TMED5 (2.0)	NFE2L3 (1.9)
C2orf16 (3.6)	LIPC (3.6)	HGFAC (3.5)	APOC4 (3.3)	SLC22A1 (2.8)
HAVCR1 (2.8)	NRBP1 (2.7)	ZNF335 (2.6)	CLPTM1 (2.5)	NFE2L3 (2.3)
CLPTM1 (2.2)	BMPR2 (2.2)	PPIP5K1 (2.0)	LPL (2.0)	ACP2 (1.9)
CITED2 (2.6)	MADD (2.4)	CHMP3 (2.4)	ARFGAP2 (2.3)	PLA2G6 (2.2)

RFX4 (3.0)	CYP26A1 (2.9)	PTPN13 (2.3)	EPB41L3 (2.3)	VEGFA (2.3)
HARBI1 (2.6)	CATSPER2 (2.6)	PLA2G6 (2.5)	DHODH (2.1)	RBKS (2.1)
CLPTM1 (2.4)	PPY (2.3)	PAFAH1B2 (2.3)	ARHGAP1 (2.2)	MPP3 (2.2)
SLC22A3 (2.0)	ANGPTL4 (2.0)	TIMD4 (2.0)	CSGALNACT1 (1.9)	ACP2 (1.9)
APOE (4.0)	MPV17 (4.0)	IGF2R (3.5)	ATP13A1 (3.4)	DUSP3 (3.2)
DOCK6 (2.5)	BCAM (2.3)	EPB41L3 (2.2)	VEGFA (2.2)	EMILIN1 (2.1)
TAGLN (3.0)	TRIB1 (2.9)	GATAD2A (2.5)	ENSG00000226645 (2	DOCK7 (2.1)
FUT1 (1.8)	BRE (1.7)	MAFF (1.7)	CTSB (1.7)	FUT2 (1.6)
BCL3 (2.9)	CYP7A1 (2.8)	GATA4 (2.7)	VEGFA (2.4)	MAU2 (2.2)
TECTB (3.2)	CGREF1 (3.2)	LPL (3.0)	LIPC (3.0)	PTPN13 (2.7)
APOC3 (2.7)	TM6SF2 (2.6)	APOB (2.6)	KDM3A (2.2)	TSSK6 (2.1)
NAT2 (2.4)	ENSG00000223745 (2	PCSK7 (2.3)	CASC4 (1.9)	TDH (1.8)
AMBRA1 (2.9)	CLPTM1 (2.6)	GALNT2 (2.4)	ATP13A1 (2.3)	ARID1A (2.3)
ARID1A (2.9)	BAZ1B (2.6)	CYP26A1 (2.6)	DOCK6 (2.3)	KANK2 (2.1)
PTPRJ (2.4)	GMIP (2.3)	AMBRA1 (2.1)	DOCK7 (2.0)	ANGPTL4 (2.0)
LRP4 (3.3)	C11orf49 (2.7)	PTPN13 (2.4)	DOCK6 (2.3)	TAGLN (2.3)
ZNF335 (3.1)	HDAC5 (3.0)	AGBL5 (2.9)	AFF1 (2.9)	ARID1A (2.8)
VEGFA (3.1)	KDM3A (3.1)	BCL7B (2.9)	TRIB1 (2.7)	AFF1 (2.4)
C19orf80 (2.5)	CD300LG (2.4)	UCN (2.3)	MAPK10 (2.3)	PPY (2.1)
ENSG00000257711 (2	COBLL1 (2.3)	TECTB (2.2)	MADD (2.2)	ABO (2.1)
ENSG00000234945 (3	FZD9 (3.0)	CLPTM1 (2.5)	AMBRA1 (1.9)	PIGV (1.8)
ENSG00000179523 (2	FGF21 (2.2)	FNDC4 (2.1)	HAVCR1 (2.0)	LIPC (2.0)
PTCD3 (2.3)	ENSG00000223745 (2	ZNF335 (2.2)	KDM3A (2.1)	USP1 (1.9)
TBL2 (2.8)	C11orf49 (2.5)	MTCH2 (2.5)	C17orf105 (2.3)	APOA4 (2.1)
CHMP3 (2.6)	SNX17 (2.6)	SDCBP (2.6)	MPP3 (2.4)	PPM1G (2.1)
NR0B2 (3.1)	CD300LG (2.9)	GPAM (2.7)	APOC4 (2.7)	PLA2G6 (2.6)
BCL7B (2.4)	CATSPER2 (2.0)	JMJD1C (1.8)	ENSG00000254235 (1	C2orf53 (1.8)
APOE (3.0)	TRNP1 (2.3)	SIDT2 (2.2)	IGF2R (2.2)	CSGALNACT1 (2.2)
SOST (2.9)	FZD9 (2.7)	CGREF1 (2.7)	SDC1 (2.5)	IGF2R (2.4)
SLC22A1 (4.6)	HGFAC (4.2)	GCKR (4.2)	RBKS (4.2)	LPA (4.0)
G6PC3 (2.7)	TM6SF2 (2.5)	ACP2 (2.5)	TMEM175 (2.4)	PIGV (2.4)
EIF2B4 (3.6)	PREB (3.4)	SNX17 (3.0)	PGS1 (2.9)	PCIF1 (2.7)
EIF2B4 (3.6)	PREB (3.4)	SNX17 (3.0)	PGS1 (2.9)	PCIF1 (2.7)
EIF2B4 (3.6)	PREB (3.4)	SNX17 (3.0)	PGS1 (2.9)	PCIF1 (2.7)
TMED5 (2.6)	FGF21 (2.6)	LPAL2 (2.5)	LPL (2.4)	COBLL1 (2.2)
ZDHHC18 (2.0)	PREB (2.0)	ENSG00000222035 (1	BLK (1.9)	BUD13 (1.8)
NAT2 (2.5)	ENSG00000223745 (2	PCSK7 (2.1)	EPB41L3 (2.0)	FNDC4 (2.0)
C8orf49 (2.5)	ENSG00000235545 (2	FADS2 (2.3)	NAGS (2.1)	G6PC3 (2.0)
CGREF1 (2.9)	CTSB (2.9)	EMILIN1 (2.5)	APOE (2.1)	MAU2 (2.1)
BCL3 (2.6)	DNAH10 (2.4)	ANGPTL4 (2.1)	GMIP (2.1)	ENSG00000234945 (2
TMED5 (2.9)	ATG13 (2.9)	ZNF513 (2.4)	PREB (2.2)	MFAP1 (2.0)
CYP7A1 (3.7)	SLC22A3 (3.2)	NAGS (3.2)	CGREF1 (3.0)	ANGPTL3 (3.0)
PVRL2 (2.2)	CD300LG (2.1)	SLC22A3 (1.9)	PACSIN3 (1.8)	CILP2 (1.8)
CKAP5 (2.1)	PLA2G6 (2.0)	IGF2R (1.9)	JMJD1C (1.9)	RFX4 (1.9)
PLTP (3.4)	TMEM175 (3.2)	SIDT2 (3.1)	ATP13A1 (3.1)	PIGV (3.0)
CD300LG (2.1)	ENSG00000236827 (2	IZUMO1 (1.9)	GALNT2 (1.8)	ANGPTL4 (1.8)
CETP (3.0)	RSPO3 (2.5)	ACP2 (2.5)	PLTP (2.5)	TAGLN (2.2)
MAFF (3.0)	KHK (2.6)	ENSG00000253379 (2	VEGFA (2.4)	TRIB1 (2.2)
CHMP3 (3.1)	SIDT2 (2.9)	REEP3 (2.7)	ARHGAP1 (2.7)	PCSK7 (2.1)
C2orf28 (4.3)	TBL2 (3.8)	TMEM101 (3.6)	PDIA3 (3.4)	TMEM214 (3.4)

PLTP (2.5)	AFF1 (2.4)	CETP (2.3)	TRIB1 (2.3)	ZNF664 (2.2)
PLA2G6 (2.2)	COBLL1 (2.1)	LPL (2.0)	ANGPTL3 (2.0)	CGREF1 (1.9)
NRBF2 (2.4)	HP (2.3)	ABHD1 (2.3)	TM6SF2 (2.2)	MAMSTR (1.9)
STRC (2.4)	SFN (2.3)	TECTB (2.2)	HAVCR1 (2.1)	CBLC (2.0)
USP1 (2.9)	DHX38 (2.8)	NUP160 (2.7)	CELF1 (2.7)	ARID1A (2.7)
VEGFA (2.6)	KANK2 (2.4)	RSPO3 (2.3)	PVRL2 (2.3)	UCN (2.1)
ZNF512 (3.2)	GTF3C2 (2.9)	NOP58 (2.7)	BUD13 (2.5)	ENSG00000223745 (2
ZNF512 (3.2)	GTF3C2 (2.9)	NOP58 (2.7)	BUD13 (2.5)	ENSG00000223745 (2
REEP3 (2.2)	FAM167A (2.2)	LRP4 (2.0)	CYP26A1 (1.9)	DOCK6 (1.9)
TM6SF2 (3.0)	APOC3 (2.8)	APOB (2.7)	NAGS (2.2)	TSSK6 (2.2)
NR1H3 (2.7)	TRIB1 (2.5)	MAFF (2.5)	GMIP (2.3)	ZDHHC18 (2.3)
APOC3 (5.0)	APOB (4.8)	LIPC (4.6)	APOA5 (4.4)	APOC4 (4.1)
DOCK6 (2.9)	HAVCR1 (2.7)	TAGLN (2.6)	BCAM (2.4)	COBLL1 (2.4)
ENSG00000256731 (2	BLK (2.5)	TIMD4 (2.4)	SLC5A6 (2.2)	GMIP (2.2)
GTF3C2 (2.8)	PCIF1 (2.7)	DHX38 (2.7)	BUD13 (2.4)	LSM12 (2.4)
GCKR (2.2)	C19orf80 (2.2)	ENSG00000234945 (2	KRTCAP3 (2.2)	SDC1 (2.2)
ENSG00000256746 (2	BMPR2 (2.7)	ZNF513 (2.6)	SOST (2.5)	MPV17 (2.3)
ACP2 (3.7)	ATP13A1 (3.2)	MPV17 (2.8)	IGF2R (2.7)	SIDT2 (2.7)
MAFF (3.7)	DOCK6 (3.2)	EMILIN1 (2.9)	CBLC (2.7)	KRTCAP3 (2.5)
KANK2 (3.3)	APOC1 (3.1)	PLTP (2.8)	ABCA1 (2.8)	PPIP5K1 (2.3)
PLTP (2.8)	PVRL2 (2.6)	APOE (2.4)	TAGLN (2.4)	SDC1 (2.1)
MLXIPL (2.3)	MAFF (2.2)	NR0B2 (2.1)	APOA4 (2.1)	CYP7A1 (2.0)
DOCK6 (2.4)	EMILIN1 (2.2)	ABCA1 (2.2)	FUT1 (2.1)	PVRL2 (2.0)
CITED2 (2.8)	ARFGAP2 (2.8)	PYY (2.6)	ZNF408 (2.5)	BUD13 (2.3)
FUT2 (2.4)	VEGFA (2.3)	FUT1 (2.3)	EMILIN1 (2.2)	BNC2 (2.2)
TAGLN (2.7)	PLTP (2.7)	DOCK6 (2.7)	ANGPTL4 (2.4)	APOE (2.4)
AFF1 (2.1)	PTPRJ (2.0)	MAFF (2.0)	ANGPTL4 (2.0)	ZDHHC18 (1.9)
RSPO3 (2.4)	TAGLN (2.4)	LRP4 (2.2)	PTPN13 (2.1)	GATA4 (2.0)
TMED5 (2.9)	DHODH (2.7)	PREB (2.6)	ANGPTL3 (2.5)	SUMO1 (2.5)
NAT2 (2.7)	CYP7A1 (2.6)	LPA (2.3)	MAPK10 (2.3)	FNDC4 (2.1)
IFT172 (2.7)	PLA2G6 (2.5)	JMJD1C (2.4)	AGBL5 (2.4)	BCAM (2.2)
NAGS (3.3)	CGREF1 (3.1)	SLC5A6 (2.4)	HAPLN4 (2.2)	APOA4 (2.1)
KHK (2.5)	NAGS (2.4)	GPAM (2.1)	NRBF2 (2.1)	SIDT2 (2.0)
COBLL1 (2.6)	BMPR2 (2.5)	LPAR2 (2.5)	SIK3 (2.3)	GATAD2A (2.1)
KHK (3.5)	C19orf80 (2.9)	TM6SF2 (2.7)	IMMT (2.7)	FADS2 (2.7)
LIPC (5.8)	APOA1 (5.3)	APOC3 (5.1)	ANGPTL3 (4.6)	C19orf80 (4.3)
SUGP1 (3.3)	NRBP1 (3.1)	NDUFS3 (3.0)	IMMT (2.9)	SNX17 (2.6)
FUT2 (1.9)	C2orf53 (1.7)	KDM3A (1.7)	TIMD4 (1.6)	C2orf16 (1.6)
C1orf172 (2.2)	PLTP (2.1)	RASIP1 (2.1)	KRTCAP3 (2.0)	MAMSTR (2.0)
MYBPC3 (2.9)	AFF1 (2.7)	MADD (2.7)	ARID1A (2.6)	BCL7B (2.6)
CTSB (2.7)	APOC1 (2.7)	ANGPTL4 (2.4)	KLF14 (2.4)	GPAM (2.2)
IGF2R (2.2)	LRP4 (2.2)	KANK2 (2.1)	BCAM (2.1)	TRIB1 (2.1)
RBKS (2.7)	SIK3 (2.5)	UBXN2B (2.3)	ENSG00000182319 (2	TDH (2.2)
TOMM40 (2.4)	ATG13 (2.2)	HGFAC (2.2)	IFT172 (2.1)	CYP7A1 (2.1)
PTPN13 (2.9)	ARID1A (2.7)	CYP26A1 (2.5)	RSPO3 (2.3)	CCDC18 (2.3)
RASIP1 (2.7)	TRIM54 (2.6)	ENSG00000257711 (2	ENSG00000223745 (2	MPP3 (1.9)
DPYSL5 (2.5)	SLC30A3 (2.4)	BNC2 (2.3)	C1QTNF4 (2.2)	ENSG00000254235 (2
ANGPTL3 (2.9)	CYP7A1 (2.9)	KHK (2.9)	HGFAC (2.8)	DHODH (2.5)
ARID1A (2.9)	MFAP1 (2.7)	CELF1 (2.6)	JMJD1C (2.5)	SPG11 (2.4)
CGREF1 (3.8)	SOST (3.1)	LPL (3.0)	CYP26A1 (2.4)	RSPO3 (2.3)

GATA4 (2.9)	CYP26A1 (2.8)	DOCK6 (2.8)	LRP4 (2.8)	BMPR2 (2.7)
SLC22A3 (2.7)	TMED5 (2.5)	ANGPTL4 (2.5)	HP (2.5)	VEGFA (2.4)
GCKR (3.1)	LIPC (3.0)	NAGS (3.0)	ENSG00000256731 (2	CYP7A1 (2.6)
APOA4 (3.2)	CYP7A1 (3.0)	IZUMO1 (2.8)	APOC4 (2.6)	KHK (2.5)
NR0B2 (4.3)	APOA1 (3.5)	APOC3 (3.4)	KHK (3.2)	NAT2 (3.2)
VEGFA (2.7)	ABCA1 (2.5)	MTMR9 (2.2)	CYP26A1 (2.2)	BCL3 (2.2)
BLK (2.8)	BCL3 (2.7)	GMIP (2.5)	TRIB1 (2.5)	C2orf16 (2.3)
CHMP3 (2.3)	PCSK7 (2.1)	APOA1 (2.0)	DNAH10 (1.9)	ARHGAP1 (1.8)
C1QTNF4 (1.9)	ARID1A (1.8)	MPP3 (1.8)	TDH (1.7)	KLF14 (1.6)
MAFF (2.4)	DOCK7 (2.2)	RIC8B (2.0)	EPB41L3 (1.7)	FNBP4 (1.7)
PCSK7 (2.1)	CTSB (1.8)	TECTB (1.8)	TIMD4 (1.8)	TRIB1 (1.6)
NRBF2 (2.4)	COBLL1 (2.4)	C2orf16 (2.2)	FNDC4 (2.2)	HARBI1 (2.0)
ENSG00000236827 (2	DPYSL5 (2.3)	BLK (2.0)	CSGALNACT1 (2.0)	TSSK6 (1.9)
BNC2 (3.1)	FAM167A (3.0)	EMILIN1 (2.9)	KANK2 (2.4)	SDC1 (2.1)
MFAP1 (2.6)	HP (2.5)	LINC00208 (2.4)	ZNF664 (2.3)	APOC4 (2.3)
NAGS (3.2)	CGREF1 (2.6)	APOA4 (2.6)	HAPLN4 (2.3)	G6PC3 (2.3)
ZDHHC18 (3.6)	NFE2L3 (2.9)	PBX4 (2.7)	PGS1 (2.6)	CLPTM1 (2.3)
ATG13 (3.9)	PREB (3.3)	PCSK7 (3.1)	CLPTM1 (2.9)	TMEM101 (2.4)
NEIL2 (2.9)	MADD (2.9)	CELF1 (2.8)	BUD13 (2.7)	KDM3A (2.0)
LSM12 (2.7)	C8orf49 (2.7)	KHK (2.6)	ENSG00000256746 (2	TM6SF2 (2.4)
C8orf49 (3.0)	TRIM54 (2.5)	LSM12 (2.4)	APOA4 (2.3)	SUPT7L (2.3)
SLC30A3 (2.1)	ABCA1 (2.1)	ENSG00000256731 (2	ENSG00000254235 (2	MLXIPL (2.0)
CD300LG (2.0)	CCDC18 (1.9)	DR1 (1.8)	SUMO1 (1.7)	TMEM101 (1.7)
ENSG00000256731 (2	FGF21 (2.1)	STRC (2.1)	NEIL2 (2.0)	HDAC5 (2.0)
DHX38 (3.3)	ARFGAP2 (2.9)	GTF3C2 (2.8)	NUP160 (2.8)	MAU2 (2.7)
MAFF (1.8)	TRIB1 (1.7)	CSGALNACT1 (1.7)	PGS1 (1.7)	TECTB (1.7)
TMEM214 (3.1)	ACP2 (2.7)	CLPTM1 (2.6)	TMEM101 (2.6)	SLC5A6 (2.6)
ZNF259 (3.0)	TOMM40 (2.6)	GPN1 (2.4)	PTCD3 (2.2)	EIF3J (2.2)
FRMD5 (2.4)	MRPL33 (2.2)	BRE (2.2)	GATA4 (2.1)	VEGFA (2.1)
CBLC (2.5)	DOCK7 (2.5)	C1orf172 (2.3)	TSSK6 (2.1)	REEP3 (2.1)
CTSB (2.9)	TIMD4 (2.8)	GMIP (2.4)	ZDHHC18 (2.3)	NR1H3 (2.3)
NAGS (3.1)	KHK (3.1)	GCKR (2.8)	ENSG00000254235 (2	HGFAC (2.5)
BCL3 (2.3)	RSPO3 (2.1)	PIGV (1.9)	CYP7A1 (1.9)	CETP (1.9)
ARHGAP1 (3.0)	PVRL2 (2.4)	JMJD1C (2.0)	SPG11 (1.8)	VEGFA (1.8)
C8orf12 (2.1)	CASC4 (2.1)	ENSG00000179523 (2	CETP (2.0)	ENSG00000223522 (1
TRIB1 (2.6)	DOCK6 (2.5)	FUT1 (2.3)	RFX4 (2.3)	G6PC3 (2.2)
AFF1 (2.7)	ZNF513 (2.6)	BCL3 (2.6)	NRBP1 (2.5)	TRIB1 (2.3)
DPYSL5 (2.2)	APOA4 (2.2)	DNAH10 (2.1)	MPP2 (2.0)	MAPRE3 (1.9)
EPB41L3 (2.1)	TRNP1 (2.0)	HAPLN4 (1.9)	MAFF (1.8)	VEGFA (1.8)
C2orf28 (2.0)	BNC2 (2.0)	PBX4 (1.9)	PMFBP1 (1.9)	SPG11 (1.9)
GPAM (2.6)	NR0B2 (2.5)	C19orf80 (2.4)	ENSG00000234945 (2	RSPO3 (2.1)
ATG13 (5.0)	TBL2 (4.5)	TMED5 (3.5)	SNX17 (2.9)	OST4 (2.7)
ZDHHC18 (2.2)	CSGALNACT1 (2.0)	HAVCR1 (2.0)	CTSB (2.0)	RBKS (2.0)
HGFAC (4.8)	LPA (4.6)	APOC4 (4.4)	LPAL2 (4.3)	ANGPTL3 (4.2)
CILP2 (2.9)	TAGLN (2.7)	APOE (2.7)	PLTP (2.4)	OST4 (2.4)
AFF1 (2.9)	BMPR2 (2.6)	PCIF1 (2.4)	BCL7B (2.4)	CITED2 (2.4)
TM6SF2 (4.7)	KHK (4.4)	GCKR (4.0)	HGFAC (3.9)	APOC4 (3.5)
RFX4 (2.6)	BMPR2 (2.6)	LPAR2 (2.5)	FADS1 (2.4)	FZD9 (2.4)
NFE2L3 (2.4)	EIF2B4 (2.2)	GPN2 (2.0)	LSM12 (1.9)	MTMR9 (1.9)
DHX38 (2.8)	SFN (2.4)	DOCK6 (2.3)	TAGLN (2.1)	PVRL2 (2.0)

RBKS (2.5)	ABHD1 (2.4)	LPA (2.3)	NAGS (2.2)	NAT2 (2.2)
FADS1 (3.9)	C19orf80 (3.7)	GPAM (3.4)	HGFAC (2.9)	KHK (2.8)
EPB41L3 (2.9)	MAPRE3 (2.8)	CCDC92 (2.1)	ZNF512 (2.1)	MAP1A (2.1)
APOE (2.5)	ACP2 (2.1)	ABCA1 (2.1)	APOC1 (2.1)	GMIP (2.0)
TM6SF2 (3.8)	CYP26A1 (3.7)	APOB (3.6)	C11orf9 (3.0)	NAGS (2.9)
SLC22A1 (2.6)	PYY (2.3)	NAT2 (2.0)	TECTB (2.0)	CTSB (1.8)
TRIM54 (2.7)	CD300LG (2.6)	ARHGAP1 (2.4)	SDC1 (2.3)	RASIP1 (2.3)
SLC22A1 (2.9)	GCKR (2.8)	CYP7A1 (2.8)	PMFBP1 (2.6)	ENSG00000236267 (2
ANGPTL4 (2.6)	GPAM (2.6)	ENSG00000200241 (2	TMED5 (2.3)	MLXIPL (2.3)
LSM12 (2.1)	ENSG00000234945 (2	SLC22A3 (1.9)	NEIL2 (1.9)	LINC00208 (1.8)
BCL3 (2.6)	VEGFA (2.5)	ENSG00000182319 (2	RASIP1 (1.9)	ANGPTL4 (1.7)
KHK (2.9)	PLA2G6 (2.9)	ATP13A1 (2.8)	NAT2 (2.7)	GCKR (2.7)
C11orf9 (2.8)	MAPK10 (2.7)	LPL (2.2)	FZD9 (2.1)	RSPO3 (1.6)
GALNT2 (2.5)	EMILIN1 (2.5)	LPL (2.0)	VEGFA (1.9)	APOE (1.9)
ENSG00000254235 (2	LPA (2.3)	ENSG00000182329 (2	PREB (2.0)	REEP1 (2.0)
CSGALNACT1 (2.4)	VEGFA (2.4)	SLC22A3 (1.8)	PVRL2 (1.8)	GCKR (1.7)
ABHD1 (2.7)	SOST (2.6)	CGREF1 (2.1)	TM6SF2 (2.0)	SLC5A6 (1.8)
BCAM (2.9)	FRMD5 (2.7)	ARHGAP1 (2.7)	MPP2 (2.6)	ANGPTL4 (2.6)
LPA (3.0)	KHK (2.8)	SLC22A1 (2.8)	HGFAC (2.7)	DHODH (2.4)
DUSP3 (3.8)	CITED2 (3.7)	VEGFA (3.3)	BCL3 (2.7)	FUT1 (2.4)
RASIP1 (2.9)	ARHGAP1 (2.9)	GATA4 (2.9)	LPL (2.8)	RSPO3 (2.5)
CBLC (2.4)	FUT1 (2.3)	C1orf172 (2.2)	PTPN13 (2.1)	PMFBP1 (1.8)
LINC00208 (2.2)	ENSG00000257711 (2	RASIP1 (2.2)	ANGPTL4 (2.2)	PGS1 (2.2)
KANK2 (3.1)	AFF1 (2.7)	VEGFA (2.7)	PTPN13 (2.5)	IGF2R (2.5)
GTF3C2 (2.4)	DHX38 (2.4)	IMMT (2.4)	CELF1 (2.4)	OST4 (2.3)
ABCA1 (2.7)	PLTP (2.7)	GMIP (2.5)	NR0B2 (2.4)	TIMD4 (2.4)
MLXIPL (4.5)	FDFT1 (4.4)	C19orf80 (3.9)	PLA2G6 (3.1)	SLC5A6 (2.9)
MLXIPL (4.5)	FDFT1 (4.4)	C19orf80 (3.9)	PLA2G6 (3.1)	SLC5A6 (2.9)
GCKR (2.5)	HP (2.4)	HGFAC (2.4)	ENSG00000236267 (2	SLC22A1 (2.1)
LPA (5.1)	TM6SF2 (4.5)	ABHD1 (4.3)	NAGS (3.7)	LPAL2 (3.5)
KBTBD4 (3.0)	EIF2B4 (3.0)	ARFGAP2 (2.8)	BRE (2.7)	INTS10 (2.6)
CTSB (2.3)	HP (2.2)	APOC1 (2.2)	ACP2 (2.2)	KBTBD4 (2.0)
PCSK7 (2.2)	APOA1 (2.1)	APOC3 (1.9)	C19orf80 (1.9)	GCKR (1.8)
FUT2 (3.6)	MAFF (3.2)	FUT1 (2.6)	PGS1 (2.5)	C1orf172 (2.4)
MAFF (3.0)	PCIF1 (2.7)	BNC2 (2.6)	ARID1A (2.2)	MAU2 (2.2)
LPA (2.2)	TDH (2.2)	NAT2 (2.1)	UBXN2B (2.1)	ENSG00000255020 (2
GPAM (6.8)	MLXIPL (5.4)	C19orf80 (4.4)	PLA2G6 (3.2)	SLC5A6 (3.1)
APOA5 (2.9)	F2 (2.8)	C2orf53 (2.8)	HGFAC (2.6)	TRIM54 (2.6)
EMILIN1 (2.7)	CYP26A1 (2.5)	VEGFA (2.3)	BNC2 (2.2)	ARID1A (2.1)
CASC4 (2.3)	TAGLN (2.3)	ENSG00000179523 (2	EMILIN1 (2.1)	ZNF664 (2.0)
PTPRJ (2.4)	DOCK7 (2.4)	TIMD4 (2.3)	ENSG00000182319 (2	ZDHHC18 (2.2)
CD300LG (4.0)	GPAM (3.7)	TMED5 (3.0)	NR1H3 (2.6)	C19orf80 (2.6)
ENSG00000226645 (2	C1QTNF4 (2.1)	TAGLN (2.1)	CILP2 (2.0)	ENSG00000254235 (1
KLF14 (3.8)	CASC4 (2.4)	MLXIPL (2.3)	FGF21 (2.3)	LPL (2.2)
TIMD4 (2.1)	SDC1 (2.0)	PTPRJ (2.0)	GALNT2 (2.0)	IGF2R (1.9)
TM6SF2 (2.4)	SIDT2 (2.3)	ENSG00000182329 (2	DNAH10 (2.3)	ACP2 (2.3)
ENSG00000226645 (2	CD300LG (2.4)	PVRL2 (2.0)	FUT1 (2.0)	ENSG00000223522 (2
C19orf80 (2.5)	NR0B2 (2.5)	ABHD1 (2.3)	KLF14 (2.3)	FADS1 (2.3)
CITED2 (3.5)	PYY (3.5)	JMJD1C (3.1)	PTPN13 (2.8)	ARID1A (2.5)
LRP4 (2.2)	FZD9 (2.2)	PYY (2.1)	CYP26A1 (2.0)	FAM167A (2.0)

ENSG00000236267 (2	BNC2 (2.4)	BCAM (2.4)	FUT1 (2.3)	CBLC (2.2)
HGFAC (2.3)	ENSG00000200241 (2	REEP1 (2.2)	GPAM (2.1)	PPY (2.1)
HGFAC (2.3)	ENSG00000200241 (2	REEP1 (2.2)	GPAM (2.1)	PPY (2.1)
NFE2L3 (2.0)	CD300LG (1.9)	CSGALNACT1 (1.8)	ANGPTL4 (1.8)	PIGV (1.8)
GALNT2 (2.6)	GMIP (2.5)	ZDHHC18 (2.5)	AFF1 (2.3)	TIMD4 (2.1)
CGREF1 (3.2)	NAGS (3.2)	SLC5A6 (2.3)	HAPLN4 (2.1)	TBL2 (2.0)
NRBF2 (2.2)	PMFBP1 (2.0)	BCL3 (1.9)	NAT2 (1.9)	IZUMO1 (1.9)
IGF2R (2.7)	CAD (2.6)	CYP26A1 (2.5)	DOCK6 (2.5)	SPG11 (2.5)
TOMM40 (2.7)	NOP58 (2.6)	TMEM101 (2.5)	MRPL35 (2.2)	AFF1 (2.2)
KRTCAP3 (2.3)	PCSK7 (2.0)	AGBL5 (1.9)	G6PC3 (1.9)	CASC4 (1.9)
TIMD4 (2.3)	NR1H3 (2.0)	CETP (1.9)	PYY (1.9)	PIGV (1.8)
MAMSTR (2.8)	CITED2 (2.6)	ANGPTL4 (2.5)	TMED5 (2.5)	NR1H3 (2.5)
TMED5 (2.8)	MAPRE3 (2.5)	APOC3 (2.4)	TMEM214 (2.4)	APOA1 (2.4)
BCL7B (2.6)	GATAD2A (2.5)	GMIP (2.5)	ARFGAP2 (2.5)	NSMAF (2.4)
HP (3.8)	FRMD5 (3.8)	PLTP (3.5)	APOE (3.2)	ANGPTL3 (3.0)
CETP (2.3)	TMEM214 (2.0)	RBKS (1.8)	PCSK7 (1.8)	REEP3 (1.8)
MAFF (3.2)	HDAC5 (3.1)	TRIB1 (2.6)	GATAD2A (2.4)	VEGFA (2.3)
LIPC (3.0)	ENSG00000179523 (2	APOE (2.2)	HP (2.2)	TAGLN (2.2)
CMIP (2.7)	SDC1 (2.7)	PVRL2 (2.3)	ENSG00000235545 (2	BMPR2 (2.3)
JMJD1C (2.6)	MAFF (2.2)	MADD (2.1)	AFF1 (2.1)	SDCBP (2.0)
AGBL5 (2.4)	PCIF1 (2.3)	GMIP (2.3)	ATP13A1 (2.3)	ARHGAP1 (2.3)
CSGALNACT1 (1.9)	ANGPTL4 (1.7)	AFF1 (1.7)	LINC00208 (1.7)	SLC22A3 (1.7)
ANGPTL3 (2.6)	TM6SF2 (2.6)	DHODH (2.5)	KHK (2.4)	COBLL1 (2.3)
CSGALNACT1 (1.8)	ENSG00000236827 (1	ANGPTL4 (1.7)	IZUMO1 (1.7)	LINC00208 (1.6)
TRIB1 (2.7)	BMPR2 (2.6)	TAGLN (2.3)	PACSIN3 (2.2)	KDM3A (2.2)
RFX4 (2.5)	FZD9 (2.3)	PTPN13 (2.0)	CCDC121 (2.0)	PVRL2 (1.9)
APOA1 (3.7)	APOB (3.6)	CYP26A1 (3.5)	NAGS (3.0)	C11orf9 (2.8)
KHK (2.8)	APOA4 (2.5)	CYP7A1 (2.5)	PBX4 (2.5)	MLXIPL (2.5)
CETP (4.8)	LPL (3.7)	APOE (3.2)	APOC1 (2.9)	ACP2 (2.7)
ARHGAP1 (2.5)	DOCK7 (2.4)	GATAD2A (2.4)	ARID1A (2.4)	CELF1 (2.2)
VEGFA (2.8)	DOCK6 (2.5)	BMPR2 (2.5)	PLTP (2.3)	CETP (2.2)
PPM1G (2.7)	USP1 (2.6)	PCIF1 (2.5)	BUD13 (2.3)	NSMAF (2.3)
ANGPTL4 (2.9)	DOCK6 (2.7)	EMILIN1 (2.4)	KDM3A (2.3)	PIGV (2.0)
PLTP (3.1)	APOE (3.1)	FZD9 (2.7)	LPL (2.5)	APOC1 (2.3)
PTCD3 (3.1)	DHODH (2.9)	ATP13A1 (2.4)	EIF3J (2.3)	CAD (2.3)
ABCA1 (2.7)	CELF1 (2.3)	DOCK7 (2.2)	CTDSPL2 (2.2)	ANGPTL4 (2.1)
KANK2 (2.3)	NR1H3 (2.3)	DOCK6 (2.3)	FAM167A (2.2)	ACP2 (2.2)
NFE2L3 (2.1)	ENSG00000253379 (2	MPV17 (2.0)	ENSG00000254235 (2	MAFF (2.0)
BCL3 (2.4)	PBX4 (2.1)	ANGPTL4 (1.7)	NSMAF (1.7)	NEIL2 (1.6)
GMIP (2.2)	ABCA1 (2.0)	C2orf16 (1.9)	DDB2 (1.8)	NR1H3 (1.8)
PTPN13 (2.5)	CBLC (2.2)	ENSG00000226645 (2	GMIP (2.1)	GALNT2 (2.1)
LRP4 (3.5)	RSPO3 (3.2)	CYP26A1 (3.1)	IGF2R (3.1)	SDC1 (3.0)
NR1H3 (3.5)	EMILIN1 (3.4)	EPB41L3 (3.0)	PLTP (3.0)	APOA4 (2.6)
CD300LG (2.2)	VEGFA (2.2)	EMILIN1 (2.2)	C1orf172 (2.2)	PVRL2 (2.1)
C8orf49 (2.2)	TBL2 (2.1)	ENSG00000257711 (2	AGBL5 (1.9)	IZUMO1 (1.9)
CYP7A1 (3.5)	NAGS (3.3)	APOC4 (2.5)	APOB (2.4)	SDC1 (2.4)
ATP13A1 (2.6)	TOMM40 (2.6)	TMED5 (2.4)	C17orf105 (2.4)	ENSG00000223745 (2
CTSB (3.0)	NR1H3 (3.0)	APOC1 (2.9)	PTPRJ (2.9)	CGREF1 (2.6)
LINC00208 (2.0)	IZUMO1 (1.9)	CD300LG (1.8)	MAFF (1.7)	ENSG00000236827 (1
GTF3C2 (2.9)	PCIF1 (2.8)	USP1 (2.7)	LSM12 (2.5)	BUD13 (2.5)

CILP2 (2.6)	FAM167A (2.5)	C1QTNF4 (2.4)	ENSG00000253379 (2	PLTP (2.1)
ENSG00000256731 (1	SFN (1.9)	CETP (1.8)	MAPRE3 (1.6)	NFE2L3 (1.6)
RASIP1 (2.5)	CD300LG (2.4)	ENSG00000255020 (2	DOCK6 (2.1)	TDH (1.9)
PTPN13 (2.4)	ENSG00000236267 (2	TAGLN (2.3)	CYP7A1 (2.3)	CITED2 (2.2)
PPY (2.1)	ENSG00000236827 (1	SLC30A3 (1.7)	TIMD4 (1.7)	APOC1 (1.7)
VEGFA (3.3)	SDCBP (2.4)	MPP2 (2.1)	ENSG00000182319 (2	MAU2 (2.0)
ABCA1 (2.4)	SLC22A3 (2.1)	CSGALNACT1 (2.1)	PTPRJ (2.1)	GMIP (2.0)
NRBF2 (2.2)	GATAD2A (2.1)	MPP2 (1.9)	PVRL2 (1.9)	ABO (1.8)
PBX4 (2.2)	CMIP (2.1)	C8orf49 (2.1)	GATAD2A (2.1)	CITED2 (2.0)
TRNP1 (3.0)	PTPN13 (3.0)	SDC1 (3.0)	SFN (3.0)	KRTCAP3 (2.9)
CTSB (2.6)	ANGPTL4 (2.3)	PMFBP1 (2.1)	HP (2.1)	LPL (2.0)
ARID1A (2.9)	TIMD4 (2.8)	TRIB1 (2.7)	UBXN2B (2.7)	MAFF (2.3)
BCL3 (2.9)	PTPRJ (2.8)	SIDT2 (2.8)	COBLL1 (2.2)	NRBF2 (2.1)
FGF21 (1.9)	C11orf49 (1.9)	HAPLN4 (1.9)	LPAL2 (1.8)	SLC22A1 (1.7)
C8orf12 (2.2)	ENSG00000182319 (2	CITED2 (2.1)	SDCBP (2.0)	DNAJC5G (1.9)
NRBF2 (2.4)	VEGFA (2.4)	MAFF (2.2)	CITED2 (2.1)	BRE (2.0)
ARID1A (2.6)	BMPR2 (2.6)	ENSG00000182319 (2	C8orf49 (2.3)	HDAC5 (2.2)
ACP2 (3.0)	TBL2 (2.8)	CGREF1 (2.6)	ANGPTL3 (2.6)	ATP13A1 (2.4)
ABCA1 (3.0)	PTPRJ (2.8)	NSMAF (2.5)	ZNF513 (2.3)	ZDHHC18 (2.2)
ZNF512 (3.4)	DR1 (3.2)	ENSG00000223745 (2	ENSG00000223522 (2	TP53BP1 (2.3)
PBX4 (2.3)	PMFBP1 (2.3)	PTPRJ (2.1)	NRBP1 (2.1)	C1QTNF4 (1.9)
TMED5 (2.9)	SDCBP (2.6)	JMJD1C (2.4)	CMIP (2.3)	COBLL1 (2.1)
SIK3 (2.4)	BLK (2.4)	PTPRJ (2.3)	ZDHHC18 (2.1)	IZUMO1 (1.9)
KDM3A (2.9)	TAGLN (2.8)	ZNF664 (2.6)	ARID1A (2.6)	JMJD1C (2.5)
ZDHHC18 (2.4)	TRIB1 (2.3)	DDB2 (2.3)	PGS1 (1.7)	TMED5 (1.7)
FADS2 (3.8)	FDFT1 (3.7)	LPA (3.5)	FADS1 (3.4)	GCKR (3.2)
NR1H3 (2.8)	FAM167A (2.6)	APOE (2.6)	ATG4C (2.4)	CETP (2.1)
CSGALNACT1 (2.1)	TRIB1 (2.1)	WDR76 (1.9)	CD300LG (1.8)	CMIP (1.8)
USP1 (2.7)	BUD13 (2.5)	ARID1A (2.5)	OST4 (2.5)	DHX38 (2.5)
ENSG00000182319 (2	C11orf9 (2.3)	ENSG00000226645 (2	BMPR2 (2.2)	CD300LG (2.0)
COBLL1 (2.8)	HAVCR1 (2.6)	MAFF (2.6)	APOA1 (2.5)	APOB (2.4)
KRTCAP3 (2.4)	C1orf172 (2.3)	VEGFA (2.3)	EMILIN1 (2.1)	BNC2 (2.1)
APOC3 (3.9)	APOB (3.8)	APOC4 (3.6)	APOE (3.6)	HP (3.5)
KDM3A (3.1)	FGF21 (3.0)	BCL7B (2.7)	CITED2 (2.7)	VEGFA (2.6)
TXNL4B (2.2)	ABHD1 (2.1)	HP (1.9)	GPAM (1.9)	MTMR9 (1.9)
APOC1 (2.6)	REEP3 (2.4)	NR1H3 (2.2)	ENSG00000182319 (2	TRIB1 (2.1)
CLPTM1 (2.9)	APOA1 (2.8)	APOB (2.8)	ABCA1 (2.8)	TRNP1 (2.8)
BNC2 (2.4)	ENSG00000223522 (2	RSPO3 (2.1)	VEGFA (1.8)	LPL (1.8)
PCIF1 (2.7)	TMEM214 (2.5)	CMIP (2.5)	CLPTM1 (2.2)	CCDC121 (2.1)
TMED5 (2.6)	ANGPTL4 (2.5)	FGF21 (2.5)	RBKS (2.1)	LPL (2.1)
RSPO3 (2.2)	LINC00208 (2.2)	ENSG00000182329 (2	CYP26A1 (2.1)	FZD9 (2.0)
C1orf172 (2.8)	HDAC5 (2.5)	FAM167A (2.4)	TRIB1 (2.1)	SDC1 (2.1)
CETP (2.8)	VEGFA (2.8)	PTPRJ (2.3)	BMPR2 (2.1)	ANGPTL4 (2.0)
ABHD1 (3.7)	CYP7A1 (3.6)	ENSG00000236267 (3	SLC22A1 (3.0)	HGFAC (2.8)
NAGS (3.0)	CGREF1 (2.7)	TBL2 (2.3)	ATP13A1 (2.3)	APOA4 (2.2)
BCL3 (2.4)	PTPRJ (2.3)	PGS1 (2.3)	RBKS (2.2)	APOE (2.2)
ATG13 (2.8)	SNX17 (2.7)	PPM1G (2.5)	DOCK7 (2.4)	AFF1 (2.4)
PTPRJ (3.0)	CD300LG (3.0)	KLF14 (2.8)	C8orf12 (2.4)	VEGFA (2.4)
AGBL2 (2.4)	CYP26A1 (2.4)	KDM3A (2.2)	FADS2 (2.1)	LRP4 (2.1)
AFF1 (3.1)	GPAM (2.7)	ZNF335 (2.3)	CYP7A1 (2.1)	VEGFA (2.0)

BNC2 (2.9)	GALNT2 (2.8)	BCAM (2.5)	PVRL2 (2.2)	SDC1 (2.2)
KDM3A (3.1)	CYP26A1 (3.0)	KANK2 (3.0)	CITED2 (2.6)	GATA4 (2.5)
TM6SF2 (2.6)	PLTP (2.5)	SIDT2 (2.4)	APOA4 (2.3)	CGREF1 (2.3)
ZNF335 (3.0)	DHX38 (2.9)	SUGP1 (2.9)	ZNF408 (2.8)	TMEM101 (2.7)
ZNF335 (3.0)	DHX38 (2.9)	SUGP1 (2.9)	ZNF408 (2.8)	TMEM101 (2.7)
RSPO3 (2.9)	SDC1 (2.5)	FZD9 (2.4)	BCAM (2.4)	REEP3 (2.2)
SLC22A3 (2.1)	KLF14 (2.0)	TSSK6 (1.9)	KANK2 (1.8)	MAU2 (1.7)
TM6SF2 (4.0)	FGF21 (3.7)	ENSG00000236267 (3	APOC3 (3.1)	APOB (2.9)
ZDHHC18 (2.3)	NR0B2 (1.9)	ENSG00000235545 (1	LPAR2 (1.8)	ENSG00000182319 (1
APOC1 (3.0)	ABCA1 (2.3)	F2 (2.3)	NCAN (2.3)	C19orf80 (2.2)
CYP26A1 (2.6)	CETP (2.6)	REEP3 (2.1)	ABHD1 (2.1)	PLTP (2.1)
TRIB1 (2.7)	NFE2L3 (2.5)	LPAL2 (2.5)	PCIF1 (2.4)	MAFF (2.2)
BCL3 (2.3)	ENSG00000257711 (2	RASIP1 (2.2)	TRIB1 (2.1)	PGS1 (2.1)
ENSG00000223522 (2	C11orf9 (2.6)	CMIP (2.3)	NR0B2 (2.1)	UCN (2.0)
TECTB (2.3)	ANGPTL4 (2.3)	BLK (2.3)	MAFF (2.2)	HP (2.1)
LINC00208 (2.0)	CD300LG (2.0)	CSGALNACT1 (1.9)	ENSG00000236827 (1	LPAL2 (1.7)
KLF14 (3.6)	GCKR (3.5)	APOA5 (3.2)	ENSG00000236267 (3	HGFAC (3.0)
GMIP (2.0)	SIK3 (1.9)	PIGV (1.9)	ACP2 (1.8)	C8orf49 (1.8)
IZUMO1 (2.0)	CD300LG (1.9)	CYP7A1 (1.9)	LINC00208 (1.8)	ENSG00000236827 (1
GPN2 (2.2)	CMIP (2.2)	CTDSPL2 (2.1)	ZNF408 (2.1)	ENSG00000234945 (2
KLF14 (2.4)	ENSG00000253379 (2	NEIL2 (2.1)	RSPO3 (2.1)	FZD9 (2.0)
PTCD3 (2.8)	TMED5 (2.8)	MTCH2 (2.6)	LPL (2.6)	MRPL35 (2.6)
CETP (3.3)	ZDHHC18 (2.8)	BLK (2.8)	FAM167A (2.7)	SLC5A6 (2.3)
CYP26A1 (3.2)	CYP7A1 (3.0)	HP (2.8)	APOA5 (2.8)	GCKR (2.8)
ARHGAP1 (2.5)	ATG13 (2.4)	LSM12 (2.3)	NRBP1 (2.2)	FGF21 (2.0)
ARHGAP1 (2.5)	ATG13 (2.4)	LSM12 (2.3)	NRBP1 (2.2)	FGF21 (2.0)
CILP2 (3.3)	LRP4 (2.8)	CGREF1 (2.6)	CSGALNACT1 (2.6)	CTSB (2.5)
CYP26A1 (3.3)	LPAR2 (2.6)	LPA (2.4)	TDH (2.2)	SDC1 (2.2)
APOC1 (3.3)	MLXIPL (2.9)	KHK (2.4)	GCKR (2.4)	LPA (2.3)
CSGALNACT1 (1.9)	LINC00208 (1.9)	ENSG00000236827 (1	IZUMO1 (1.8)	CYP7A1 (1.6)
CD300LG (1.9)	ENSG00000236827 (1	IZUMO1 (1.8)	CYP7A1 (1.8)	NFE2L3 (1.7)
APOE (2.7)	ACP2 (2.4)	ZDHHC18 (2.2)	ABCA1 (2.0)	RASIP1 (2.0)
CD300LG (2.2)	CMIP (2.2)	AFF1 (2.2)	BMPR2 (2.2)	FAM167A (2.0)
APOE (2.9)	PLTP (2.5)	VEGFA (2.0)	TIMD4 (2.0)	CCDC92 (2.0)
DOCK7 (2.9)	AGBL5 (2.7)	LSM12 (2.5)	ABO (2.4)	AGBL2 (2.3)
BCAM (2.8)	ZNF664 (2.6)	DOCK7 (2.6)	RASIP1 (2.5)	CD300LG (2.2)
TP53BP1 (3.4)	PTCD3 (3.4)	ZNF259 (3.3)	TMEM214 (3.2)	SLC5A6 (3.2)
C19orf80 (2.5)	HGFAC (2.5)	ENSG00000236267 (2	ENSG00000182329 (2	TRNP1 (2.1)
APOC1 (2.3)	C2orf28 (2.2)	GCKR (2.2)	STRC (2.0)	SDCBP (2.0)
C2orf28 (3.8)	G6PC3 (3.5)	TMEM101 (3.4)	TMED5 (3.4)	CGREF1 (3.3)
TM6SF2 (2.7)	APOA4 (2.7)	VEGFA (2.5)	KHK (2.2)	CYP7A1 (2.1)
GALNT2 (2.5)	JMJD1C (2.5)	GMIP (2.4)	TDH (2.2)	NSMAF (2.1)
C2orf16 (1.9)	EPB41L3 (1.9)	RASIP1 (1.9)	RSPO3 (1.8)	TRIB1 (1.8)
REEP1 (2.7)	NFE2L3 (2.3)	LRP4 (2.3)	KLF14 (2.3)	CELF1 (2.2)
HP (1.7)	C2orf16 (1.6)	PTPRJ (1.5)	LINC00208 (1.5)	CTSB (1.5)
NUP160 (3.2)	INTS10 (3.1)	MTF2 (3.0)	CAD (3.0)	CELF1 (3.0)
BCAM (4.3)	C1orf172 (3.0)	ENSG00000236267 (3	ENSG00000182319 (2	PLTP (2.6)
IMMT (2.6)	ENSG00000223745 (2	MRPL35 (2.4)	NDUFS3 (2.4)	C8orf12 (2.2)
PIGV (2.0)	PPY (1.7)	NSMAF (1.7)	NFE2L3 (1.7)	BNC2 (1.6)
TAGLN (3.1)	RASIP1 (2.5)	ABCA1 (2.4)	APOC1 (2.4)	CLPTM1 (2.4)

C1QTNF4 (2.1)	ENSG00000253379 (2	TP53BP1 (1.9)	HAVCR1 (1.8)	CTDSPL2 (1.8)
KHK (2.5)	CETP (2.4)	RIC8B (2.2)	NAT2 (2.2)	ABO (2.1)
PPY (2.5)	LPA (2.4)	TIMD4 (2.4)	HGFAC (2.3)	C19orf80 (2.3)
CD300LG (1.9)	CSGALNACT1 (1.8)	LINC00208 (1.8)	CYP7A1 (1.8)	LPAL2 (1.7)
CETP (2.4)	ENSG00000182319 (2	EMILIN1 (2.1)	PGS1 (2.1)	ZNF335 (2.1)
EMILIN1 (2.8)	IGF2R (2.7)	CGREF1 (2.5)	LPL (2.3)	TAGLN (2.0)
CITED2 (2.0)	KRTCAP3 (1.7)	LPAR2 (1.7)	APOA1 (1.7)	C19orf80 (1.6)
TIMD4 (2.7)	ENSG00000254235 (2	VEGFA (2.6)	MAMSTR (2.2)	CD300LG (2.2)
SFN (2.5)	RASIP1 (2.5)	FUT1 (2.4)	PMFBP1 (2.2)	AFF1 (1.9)
ABCA1 (1.8)	NRBF2 (1.7)	TRIB1 (1.7)	SDC1 (1.6)	LPL (1.5)
FGF21 (2.7)	LRP4 (2.7)	FAM167A (2.6)	ENSG00000254235 (2	HAVCR1 (2.3)
DUSP3 (2.3)	ABCA1 (2.2)	PLTP (2.1)	ZNF513 (2.0)	PMFBP1 (2.0)
CYP7A1 (2.4)	APOB (2.4)	PCIF1 (2.4)	BCL3 (2.4)	PBX4 (2.3)
ARFGAP2 (2.0)	C19orf80 (1.9)	NAGS (1.9)	ENSG00000256731 (1	TMEM101 (1.9)
BCL3 (2.8)	ENSG00000254235 (2	FUT2 (2.7)	ARFGAP2 (2.1)	ENSG00000235545 (2
TMEM214 (2.8)	ATG4C (2.6)	PLA2G6 (2.5)	TMEM101 (2.5)	PIGV (2.5)
SLC22A1 (2.3)	GATA4 (2.2)	LPAL2 (2.1)	NEIL2 (2.0)	VEGFA (2.0)
CETP (3.1)	CTSB (3.0)	MAFF (2.6)	GMIP (2.6)	DDB2 (2.2)
CCDC121 (2.2)	TRIB1 (1.9)	AFF1 (1.9)	ARID1A (1.9)	FAM167A (1.9)
REEP3 (2.6)	ABCA1 (2.5)	SOST (2.4)	ARID1A (2.2)	CMIP (2.2)
APOC4 (3.2)	AGBL2 (2.9)	APOA5 (2.9)	HGFAC (2.8)	HP (2.6)
VEGFA (3.9)	CITED2 (3.4)	BCL3 (3.3)	NRBF2 (2.7)	DNAH10 (2.4)
ENSG00000255020 (2	AGBL2 (2.3)	ENSG00000256746 (2	ABCA1 (2.2)	ATG4C (1.9)
ENSG00000255020 (2	AGBL2 (2.3)	ENSG00000256746 (2	ABCA1 (2.2)	ATG4C (1.9)
CITED2 (2.9)	TAGLN (2.8)	SLC22A3 (2.6)	LPL (2.6)	REEP1 (2.4)
LPAL2 (4.0)	HGFAC (3.9)	NAT2 (3.8)	ENSG00000234945 (3	APOA5 (3.4)
ZNF664 (2.0)	KRTCAP3 (2.0)	ENSG00000256731 (1	ENSG00000256746 (1	ACP2 (1.7)
TDH (2.3)	ABCA1 (2.2)	ENSG00000223745 (2	LINC00208 (1.9)	LPA (1.9)
BCL3 (2.6)	DDB2 (2.5)	PTPRJ (2.2)	ANGPTL4 (2.1)	ZDHHC18 (2.0)
APOA5 (2.1)	C19orf80 (2.1)	PYY (2.0)	EPB41L3 (2.0)	APOC4 (2.0)
VEGFA (3.7)	BCL3 (3.2)	KDM3A (2.6)	NR0B2 (2.3)	ENSG00000257711 (2
CTDSPL2 (1.8)	ABO (1.7)	REEP3 (1.6)	CCDC92 (1.6)	CSGALNACT1 (1.6)
PTPN13 (3.7)	ENSG00000253379 (3	LRP4 (2.5)	EMILIN1 (2.5)	BNC2 (2.3)
GMIP (2.9)	ZNF513 (2.8)	SDCBP (2.2)	NRBF2 (2.0)	JMJD1C (1.9)
RFX4 (3.0)	MLXIPL (2.9)	MAFF (2.9)	UCN (2.5)	HP (2.3)
CCDC92 (2.2)	HDAC5 (2.2)	GALNT2 (1.9)	ZNF513 (1.9)	ENSG00000182319 (1
ENSG00000234945 (2	RASIP1 (2.3)	VEGFA (2.2)	FUT2 (2.1)	EMILIN1 (2.1)
BRE (2.9)	CMIP (2.6)	JMJD1C (2.5)	CTDSPL2 (2.5)	CITED2 (2.3)
HP (2.3)	LPL (2.3)	CYP7A1 (2.3)	CSGALNACT1 (2.2)	APOE (2.2)
CYP26A1 (3.1)	ABCA1 (2.9)	MAPK10 (2.6)	SPG11 (1.9)	CASC4 (1.9)
NFE2L3 (2.6)	MFAP1 (2.5)	DDB2 (2.4)	NEIL2 (2.4)	PDIA3 (2.4)
ANGPTL4 (2.7)	TBL2 (2.7)	TAGLN (2.3)	TMEM175 (2.0)	CD300LG (1.9)
PTPMT1 (2.3)	PIGV (2.1)	PPY (2.1)	C2orf53 (2.1)	NFE2L3 (2.1)
C19orf80 (2.8)	CYP7A1 (2.8)	REEP1 (2.7)	PPY (2.7)	ENSG00000254235 (2
ENSG00000182329 (2	HP (2.7)	F2 (2.5)	HGFAC (2.5)	APOB (2.5)
CITED2 (2.4)	KDM3A (2.2)	FADS2 (2.1)	C19orf80 (2.1)	MTCH2 (2.0)
ENSG00000254235 (2	ATG13 (2.3)	ABHD1 (2.1)	HARBI1 (2.1)	GCKR (2.1)
BCL3 (2.6)	ZDHHC18 (2.4)	TIMD4 (2.3)	SIK3 (2.1)	CD300LG (2.0)
ZNF664 (2.4)	KANK2 (2.3)	DNAH10 (2.2)	BAZ1B (2.2)	GATAD2A (2.0)
MAPRE3 (2.3)	IZUMO1 (2.2)	ZNF664 (2.1)	APOB (2.1)	CSGALNACT1 (2.1)

ATG13 (3.2)	TMED5 (2.9)	ZNF513 (2.2)	PREB (2.1)	TMEM214 (2.0)
DOCK7 (2.1)	IFT172 (1.9)	PLA2G6 (1.8)	ZNF513 (1.8)	SOST (1.8)
SDCBP (2.2)	HDAC5 (2.2)	MADD (2.2)	FNDC4 (2.1)	PTPRJ (1.9)
LPAR2 (2.5)	ENSG00000255020 (2	UBXN2B (2.3)	DOCK6 (2.2)	SOST (2.2)
NRBP1 (2.7)	PGS1 (2.5)	HP (2.5)	APOA1 (2.3)	ANGPTL3 (2.3)
SFN (2.6)	ZNF335 (2.4)	CELF1 (2.4)	ARFGAP2 (2.3)	REEP3 (2.3)
MAFF (2.5)	GTF3C2 (2.5)	MLXIPL (2.2)	CLPTM1 (2.2)	ATP13A1 (2.2)
MAFF (2.9)	PREB (2.8)	NFE2L3 (2.6)	TMED5 (2.4)	PDIA3 (2.4)
C11orf9 (2.6)	AFF1 (2.5)	ARHGAP1 (2.5)	AMBRA1 (2.4)	PPIP5K1 (2.3)
NUP160 (3.2)	PPM1G (3.0)	TOMM40 (3.0)	DHODH (2.9)	POLR1A (2.8)
RASIP1 (2.5)	DOCK6 (2.5)	TBL2 (2.2)	RSPO3 (2.1)	ANGPTL4 (2.0)
CLPTM1 (2.1)	TRIB1 (2.1)	CYP26A1 (2.0)	IGF2R (1.9)	APOE (1.8)
NAGS (4.2)	NAT2 (3.6)	APOB (3.5)	APOC3 (3.3)	MLXIPL (3.1)
CTSB (2.7)	SLC22A3 (2.6)	GMIP (2.4)	SLC5A6 (2.3)	PGS1 (2.2)
GPN1 (3.6)	EIF2B4 (3.3)	DHX38 (3.1)	ENSG00000226645 (2	SLC5A6 (2.8)
MLXIPL (2.7)	MAPK10 (2.4)	UCN (2.3)	FRMD5 (2.1)	REEP1 (2.1)
C8orf49 (2.8)	PGS1 (2.7)	KRTCAP3 (2.5)	CBLC (2.4)	ENSG00000179523 (2
MAFF (2.8)	ZNF513 (2.7)	ATG4C (2.4)	JMJD1C (2.2)	NRBF2 (2.2)
G6PC3 (3.1)	TMEM101 (3.1)	ATG4C (2.9)	TSSK6 (2.7)	SLC5A6 (2.4)
BUD13 (3.1)	KBTBD4 (2.9)	NRBF2 (2.6)	C8orf49 (2.5)	GTF3C2 (2.4)
C8orf49 (3.0)	KLF14 (2.5)	NEIL2 (2.5)	FRMD5 (2.4)	NAT2 (2.4)
RSPO3 (2.6)	TRIB1 (2.4)	MAFF (2.3)	FZD9 (2.0)	REEP3 (1.9)
RASIP1 (2.7)	SFN (2.5)	FUT1 (2.4)	PMFBP1 (1.9)	AFF1 (1.8)
BLK (2.4)	EMILIN1 (2.4)	AFF1 (2.2)	ENSG00000255020 (2	PLTP (2.1)
TAGLN (2.0)	VEGFA (1.9)	EPB41L3 (1.9)	ANGPTL4 (1.9)	PYY (1.9)
SLC30A3 (2.9)	C1QTNF4 (2.8)	CETP (2.7)	BCAM (2.4)	FUT1 (2.3)
BLK (3.1)	CGREF1 (3.0)	NAT2 (3.0)	FUT2 (2.7)	APOC3 (2.4)
BCL3 (2.4)	HDAC5 (2.4)	GATA4 (2.3)	KDM3A (2.2)	BAZ1B (2.2)
BCL3 (2.4)	HDAC5 (2.4)	GATA4 (2.3)	KDM3A (2.2)	BAZ1B (2.2)
TOMM40 (2.7)	POLR1A (2.6)	IMMT (2.5)	TRIB1 (2.4)	DHX38 (2.3)
TMED5 (4.0)	CLPTM1 (3.3)	TMEM101 (3.2)	ATP13A1 (3.0)	PIGV (2.8)
SFN (4.1)	SDC1 (3.7)	PTPN13 (2.9)	FUT1 (2.9)	ENSG00000182319 (2
DUSP3 (2.9)	SIDT2 (2.7)	ATG4C (2.7)	MAU2 (2.4)	SPG11 (2.3)
BUD13 (2.5)	ARID1A (2.4)	MPP2 (2.4)	NRBP1 (2.4)	FAM167A (2.2)
FRMD5 (2.2)	NFE2L3 (2.0)	UBXN2B (1.8)	C11orf49 (1.8)	C1orf172 (1.8)
VEGFA (2.8)	RASIP1 (2.8)	IZUMO1 (2.7)	COBLL1 (2.7)	ENSG00000256731 (2
GATA4 (3.0)	TECTB (2.8)	FDFT1 (2.7)	PPY (2.4)	SLC22A3 (2.4)
NRBP1 (3.3)	EIF2B4 (3.2)	ATG13 (3.1)	PDIA3 (2.4)	MTCH2 (2.4)
JMJD1C (2.8)	C19orf80 (2.6)	KANK2 (2.6)	NR0B2 (2.5)	GPAM (2.4)
CYP7A1 (3.8)	SLC22A1 (3.3)	HGFAC (2.8)	MLXIPL (2.4)	NAT2 (2.4)
BAZ1B (3.2)	CTDSPL2 (3.1)	SPG11 (3.0)	TUBGCP4 (2.9)	AGBL2 (2.9)
PCSK7 (2.1)	APOE (2.0)	PLA2G6 (1.7)	ZDHHC18 (1.7)	SLC22A3 (1.7)
SLC22A1 (3.2)	GCKR (2.9)	APOC4 (2.9)	MTCH2 (2.7)	MLXIPL (2.6)
EPB41L3 (2.8)	FUT1 (2.7)	CCDC121 (2.5)	CBLC (2.2)	FZD9 (2.2)
F2 (5.4)	APOA4 (4.4)	LIPC (4.1)	APOC1 (3.9)	APOA5 (3.2)
SNX17 (1.8)	FRMD5 (1.7)	ATG13 (1.7)	CBLC (1.7)	EIF2B4 (1.6)
SNX17 (1.8)	FRMD5 (1.7)	ATG13 (1.7)	CBLC (1.7)	EIF2B4 (1.6)
TOMM40 (3.7)	PTCD3 (3.1)	GPN1 (3.0)	EIF3J (2.8)	DHODH (2.8)
LINC00208 (1.9)	GALNT2 (1.8)	ENSG00000236827 (1	NFE2L3 (1.7)	LPAL2 (1.6)
TAGLN (3.1)	IGF2R (2.9)	VEGFA (2.7)	FADS1 (2.6)	CILP2 (2.6)

FUT1 (3.9)	SDC1 (3.8)	MAFF (2.8)	PMFBP1 (2.4)	NFE2L3 (2.2)
GATA4 (2.3)	KDM3A (2.2)	HDAC5 (2.2)	SOST (2.1)	BAZ1B (2.1)
CLPTM1 (3.2)	ACP2 (3.2)	DUSP3 (3.0)	IGF2R (2.7)	MPV17 (2.5)
AFF1 (2.5)	SLC5A6 (2.5)	KLF14 (2.3)	KRTCAP3 (2.1)	BNC2 (2.1)
CTSB (2.2)	BLK (2.2)	PPIP5K1 (2.0)	ZDHHC18 (1.9)	SPG11 (1.8)
CETP (2.3)	TIMD4 (1.9)	NRBP1 (1.8)	LPAR2 (1.6)	HDAC5 (1.6)
SNX17 (2.9)	MRPL35 (2.9)	MTCH2 (2.8)	GTF3C2 (2.5)	IFT172 (2.5)
POLR1A (2.6)	PTCD3 (2.4)	DHX38 (2.2)	GPN1 (2.2)	ATP13A1 (2.1)
TIMD4 (3.7)	C2orf53 (3.1)	LIPC (3.1)	APOA1 (3.0)	ENSG00000179523 (2
CCDC92 (2.4)	DOCK6 (2.4)	PPY (2.4)	DPYSL5 (2.3)	MPP2 (2.2)
GATA4 (4.3)	BCAM (3.0)	ARHGAP1 (2.6)	PACSIN3 (2.5)	SLC22A3 (2.4)
SDC1 (3.8)	FUT1 (2.8)	BCAM (2.6)	SIDT2 (1.8)	PTPN13 (1.7)
APOE (3.3)	IGF2R (3.2)	C2orf28 (3.2)	SIDT2 (3.2)	MPV17 (3.2)
FEN1 (2.7)	USP1 (2.6)	RFX4 (2.6)	SDCBP (2.6)	PTPN13 (2.3)
NOP58 (2.8)	USP1 (2.5)	PDIA3 (2.3)	INTS10 (2.3)	CITED2 (2.2)
CTSB (3.2)	FZD9 (3.0)	ABCA1 (2.8)	EMILIN1 (2.6)	TAGLN (2.6)
TIMD4 (3.0)	GPAM (2.7)	C8orf49 (2.3)	SIDT2 (2.0)	PMFBP1 (2.0)
NFE2L3 (1.8)	C2orf53 (1.7)	C2orf16 (1.7)	TRIB1 (1.7)	GMIP (1.6)
C8orf49 (2.6)	PTPN13 (2.4)	LRP4 (2.2)	ARID1A (2.1)	C8orf12 (2.1)
NRBF2 (2.0)	LPL (2.0)	BLK (1.9)	NR1H3 (1.9)	ANGPTL4 (1.9)
CD300LG (2.5)	DNAH10 (2.3)	FUT2 (2.2)	KDM3A (2.2)	VEGFA (2.1)
EMILIN1 (2.6)	IGF2R (2.5)	DOCK6 (2.4)	BCAM (2.3)	KANK2 (2.2)
TIMD4 (2.3)	TAGLN (2.3)	MFAP1 (2.3)	LRP4 (2.2)	ZNF664 (2.2)
RBKS (2.9)	NAT2 (2.0)	CSGALNACT1 (2.0)	SLC22A1 (1.8)	ANGPTL3 (1.8)
MAFF (2.7)	ANGPTL4 (2.4)	TRIB1 (2.4)	DUSP3 (2.2)	FNDC4 (1.9)
LINC00208 (1.9)	CD300LG (1.8)	ENSG00000236827 (1	ANGPTL4 (1.7)	LPAL2 (1.7)
C19orf80 (3.6)	CD300LG (3.1)	ENSG00000257711 (2	CITED2 (2.5)	NRBF2 (2.3)
TRIB1 (2.5)	PGS1 (2.5)	AMBRA1 (2.4)	NAT2 (2.2)	BCL3 (2.1)
PREB (4.0)	C2orf28 (3.6)	TMED5 (3.6)	ATG13 (3.3)	TMEM101 (3.1)
TOMM40 (3.7)	PTCD3 (3.7)	CAD (2.9)	DHODH (2.9)	GPN1 (2.7)
SLC5A6 (3.0)	CAD (2.9)	TOMM40 (2.7)	EIF3J (2.5)	DHX38 (2.5)
SPG11 (2.7)	INTS10 (2.4)	ENSG00000182319 (2	C11orf49 (2.4)	UBXN2B (2.3)
PTPN13 (3.0)	KRTCAP3 (2.8)	EMILIN1 (2.7)	DOCK6 (2.6)	LPAR2 (2.5)
VEGFA (4.2)	CITED2 (3.8)	BCL3 (3.5)	NRBF2 (2.8)	PPIP5K1 (2.1)
ANGPTL4 (3.4)	HP (2.6)	SLC5A6 (2.5)	C19orf80 (2.4)	TUBGCP4 (2.4)
LRP4 (2.4)	G6PC3 (2.2)	NSMAF (2.1)	DOCK6 (2.0)	PTPMT1 (2.0)
PYY (2.4)	CD300LG (2.4)	TRIB1 (2.2)	FRMD5 (1.9)	LRP4 (1.9)
CTSB (2.8)	PREB (2.6)	UCN (2.6)	PPY (2.4)	LRP4 (2.4)
EIF2B4 (2.7)	TMEM214 (2.6)	NOP58 (2.6)	SUGP1 (2.5)	EIF3J (2.5)
SOST (2.5)	JMJD1C (2.5)	IGF2R (2.5)	GMIP (2.3)	SIK3 (2.2)
COBLL1 (2.7)	HAPLN4 (2.3)	LIPC (2.3)	UBXN2B (2.2)	F2 (2.2)
LPL (3.2)	BCAM (2.8)	APOE (2.6)	KANK2 (2.4)	PLTP (2.4)
CD300LG (2.4)	BCAM (2.1)	ENSG00000236267 (2	KRTCAP3 (2.0)	PLTP (1.9)
ZDHHC18 (2.3)	ABCA1 (2.2)	FAM167A (2.0)	SDC1 (1.8)	EPB41L3 (1.8)
LINC00208 (1.9)	PIGV (1.8)	CD300LG (1.8)	MAFF (1.7)	SIK3 (1.6)
BAZ1B (2.8)	PCIF1 (2.8)	ARID1A (2.8)	NEIL2 (2.7)	LPAL2 (2.7)
ENSG00000257711 (1	CD300LG (1.8)	SIK3 (1.7)	TDH (1.6)	LPAL2 (1.5)
LINC00208 (1.8)	CD300LG (1.8)	ANGPTL4 (1.8)	IZUMO1 (1.7)	ENSG00000236827 (1
JMJD1C (2.4)	SIK3 (2.3)	MAFF (2.1)	AFF1 (2.1)	DR1 (1.9)
TRIB1 (2.1)	C2orf16 (2.0)	HAVCR1 (1.9)	BCL3 (1.9)	AFF1 (1.8)

C2orf16 (2.3)	ENSG00000179523 (2	ZNF664 (2.1)	PACSIN3 (2.1)	TP53BP1 (2.0)
LINC00208 (1.8)	ENSG00000236827 (1	LPAL2 (1.7)	CD300LG (1.7)	IZUMO1 (1.6)
C19orf80 (2.6)	HGFAC (2.6)	NR0B2 (2.3)	F2 (2.3)	ENSG00000236267 (2
IZUMO1 (1.9)	LINC00208 (1.9)	CD300LG (1.8)	ENSG00000236827 (1	LPAL2 (1.6)
IZUMO1 (1.9)	LINC00208 (1.9)	CD300LG (1.8)	ENSG00000236827 (1	LPAL2 (1.6)
ZNF512 (3.1)	USP1 (2.8)	BUD13 (2.6)	LSM12 (2.6)	CTDSPL2 (2.5)
ZNF512 (3.1)	USP1 (2.8)	BUD13 (2.6)	LSM12 (2.6)	CTDSPL2 (2.5)
ZNF512 (3.1)	USP1 (2.8)	BUD13 (2.6)	LSM12 (2.6)	CTDSPL2 (2.5)
FDFT1 (4.4)	MLXIPL (4.3)	C19orf80 (3.7)	PLA2G6 (3.1)	SLC5A6 (2.7)
NCAN (2.0)	CITED2 (2.0)	C17orf105 (1.9)	KDM3A (1.9)	SLC30A3 (1.8)
LPA (2.6)	MLXIPL (2.3)	LPAL2 (2.3)	HGFAC (2.3)	C8orf49 (2.3)
BCL3 (2.7)	CBLC (2.4)	ABO (2.3)	CYP7A1 (2.3)	JMJD1C (2.2)
LPL (3.2)	TECTB (2.9)	NR1H3 (2.7)	CGREF1 (2.6)	LRP4 (2.6)
GTF3C2 (3.0)	PPM1G (2.8)	USP1 (2.7)	SUGP1 (2.6)	NOP58 (2.6)
CMIP (2.7)	SPG11 (2.4)	AFF1 (2.3)	BNC2 (2.3)	IFT172 (2.3)
CMIP (2.4)	BMPR2 (2.4)	SLC30A3 (2.4)	ARHGAP1 (2.4)	DOCK6 (2.2)
VEGFA (3.1)	C8orf49 (3.1)	ARID1A (2.6)	HDAC5 (2.5)	KANK2 (2.5)
POLR1A (2.7)	GTF3C2 (2.5)	EIF2B4 (2.5)	TUBGCP4 (2.5)	SLC5A6 (2.4)
PTPN13 (2.7)	MAMSTR (2.6)	IGF2R (2.5)	JMJD1C (2.2)	CYP26A1 (2.1)
FADS1 (3.6)	MLXIPL (3.2)	IMMT (3.1)	ABHD1 (2.9)	MTCH2 (2.8)
LPAL2 (3.1)	APOC4 (2.6)	APOE (2.5)	GCKR (2.5)	LINC00208 (2.5)
IGF2R (2.1)	LIPC (2.0)	PPY (2.0)	CASC4 (1.9)	COBLL1 (1.9)
CYP7A1 (4.7)	ABHD1 (3.3)	GCKR (2.7)	NAT2 (2.6)	NAGS (2.4)
LINC00208 (1.9)	ENSG00000236827 (1	IZUMO1 (1.8)	CD300LG (1.7)	ANGPTL4 (1.7)
PGS1 (2.5)	GALNT2 (2.4)	MPV17 (2.4)	ARFGAP2 (2.3)	C11orf49 (2.3)
ZDHHC18 (2.6)	CHMP3 (2.5)	PDIA3 (2.2)	CATSPER2 (2.1)	MAFF (2.0)
RBKS (2.7)	ANGPTL3 (2.6)	NDUFS3 (2.3)	EIF3J (2.3)	APOC4 (2.3)
LINC00208 (1.9)	ENSG00000236827 (1	IZUMO1 (1.8)	CD300LG (1.7)	ANGPTL4 (1.7)
GATA4 (3.0)	RSPO3 (2.9)	CYP26A1 (2.9)	TAGLN (2.5)	ENSG00000226645 (2
CD300LG (2.2)	LINC00208 (2.0)	ENSG00000236827 (1	IZUMO1 (1.9)	PIGV (1.7)
SUGP1 (3.1)	PCIF1 (3.0)	NOP58 (3.0)	ARFGAP2 (2.9)	ZNF512 (2.7)
F2 (3.5)	NR0B2 (3.4)	LIPC (3.2)	GCKR (2.9)	HP (2.8)
ACP2 (2.4)	TIMD4 (2.2)	NR1H3 (2.2)	PBX4 (2.0)	CETP (1.9)
LPA (2.1)	ACP2 (2.1)	SLC22A1 (2.1)	ARID1A (2.0)	TSSK6 (1.9)
BCL3 (2.8)	PTPN13 (2.3)	GMIP (2.3)	CTSB (2.2)	PGS1 (2.1)
NAT2 (2.3)	G6PC3 (2.2)	PCSK7 (2.1)	CBLC (1.8)	ENSG00000223745 (1
USP1 (2.6)	FNBP4 (2.6)	CAD (2.2)	ATP13A1 (2.1)	POLR1A (2.1)
LPAL2 (3.0)	BLK (2.6)	APOC4 (2.5)	APOE (2.5)	HGFAC (2.4)
NFE2L3 (2.5)	PGS1 (2.5)	TRIB1 (2.2)	LPAR2 (2.2)	PTPRJ (2.1)
NR0B2 (3.6)	MLXIPL (3.4)	CGREF1 (2.9)	FUT2 (2.9)	APOB (2.7)
ENSG00000255020 (2	TRIB1 (2.1)	BMPR2 (2.0)	SNX17 (1.7)	ZNF513 (1.7)
CATSPER2 (2.3)	ENSG00000200241 (2	C2orf53 (1.9)	PCIF1 (1.9)	BNC2 (1.8)
ABO (2.6)	TM6SF2 (2.4)	GMIP (2.2)	PYY (2.2)	CLPTM1 (2.1)
INTS10 (3.2)	BUD13 (3.1)	NUP160 (3.1)	CELF1 (3.0)	MTF2 (3.0)
MPP2 (2.4)	DPYSL5 (2.3)	ENSG00000182319 (2	VEGFA (2.3)	SDCBP (2.2)
PTPN13 (2.3)	SFN (1.9)	CILP2 (1.9)	SDC1 (1.8)	RFX4 (1.8)
GCKR (3.6)	HGFAC (3.4)	AGBL2 (3.3)	ENSG00000256731 (3	APOC4 (3.1)
MAFF (3.2)	HDAC5 (3.1)	JMJD1C (2.7)	RSPO3 (2.4)	CELF1 (2.3)
KRTCAP3 (2.3)	CSGALNACT1 (2.0)	BCL7B (1.8)	RSPO3 (1.7)	PIGV (1.7)
SLC22A1 (3.6)	CYP7A1 (3.0)	NAT2 (2.5)	ENSG00000179523 (2	TM6SF2 (2.2)

CCDC92 (2.4)	MAMSTR (2.3)	EMILIN1 (2.3)	DOCK6 (2.1)	BCL3 (2.1)
TMEM175 (2.4)	BNC2 (2.3)	ENSG00000182329 (2	RSPO3 (2.1)	CCDC121 (1.8)
BAZ1B (2.7)	JMJD1C (2.4)	IGF2R (2.3)	BRE (2.2)	DNAH10 (1.9)
TRIB1 (2.7)	DHX38 (2.5)	GATAD2A (2.4)	POLR1A (2.4)	CAD (2.3)
ENSG00000253379 (2	FRMD5 (1.9)	CITED2 (1.9)	ENSG00000182319 (1	UBXN2B (1.6)
G6PC3 (2.4)	FUT2 (2.3)	HGFAC (2.2)	PCSK7 (2.0)	TMEM101 (2.0)
FNDC4 (2.4)	GATA4 (2.4)	SIK3 (2.3)	GPAM (2.2)	PVRL2 (2.1)
CATSPER2 (2.0)	SDCBP (1.9)	DDB2 (1.9)	IGF2R (1.8)	CCDC121 (1.7)
ZNF259 (3.3)	GPN1 (3.1)	TOMM40 (3.1)	CAD (3.0)	OST4 (2.7)
MAMSTR (1.9)	NDUFS3 (1.9)	FUT2 (1.9)	CKAP5 (1.8)	ENSG00000257711 (1
CITED2 (2.0)	PTPN13 (2.0)	SDC1 (1.9)	RFX4 (1.9)	REEP3 (1.7)
STRC (2.4)	CMIP (2.3)	HP (2.3)	DNAH10 (2.3)	SIK3 (2.3)
TMEM175 (2.3)	SLC30A3 (2.1)	NAGS (2.0)	C17orf105 (2.0)	ENSG00000179523 (2
VEGFA (2.2)	BNC2 (2.2)	SDC1 (2.1)	ABCA1 (2.1)	BCL3 (1.9)
KRTCAP3 (3.3)	LPAR2 (3.0)	ENSG00000182319 (2	FUT1 (2.7)	SFN (2.7)
ENSG00000256746 (2	SOST (2.4)	MYBPC3 (2.4)	MAFF (2.4)	ANGPTL4 (2.3)
TRIB1 (2.7)	ZNF335 (2.6)	ARFGAP2 (2.5)	SNX17 (2.5)	BAZ1B (2.4)
LPAL2 (2.2)	AGBL2 (1.8)	BCL3 (1.8)	ENSG00000236267 (1	PTPRJ (1.6)
FNBP4 (2.0)	PREB (1.9)	FAM167A (1.7)	AGBL2 (1.7)	COBLL1 (1.6)
DUSP3 (3.0)	SIDT2 (2.8)	ATG4C (2.6)	MAU2 (2.4)	ARHGAP1 (2.3)
APOB (2.2)	GATA4 (2.2)	APOA4 (2.1)	NR0B2 (2.1)	DUSP3 (2.0)
FDFT1 (4.6)	MLXIPL (4.4)	C19orf80 (3.9)	PLA2G6 (3.6)	SLC5A6 (3.0)
NOP58 (2.7)	ZNF512 (2.7)	CELF1 (2.6)	OST4 (2.4)	DHX38 (2.4)
NAGS (2.1)	C2orf53 (2.1)	ANGPTL4 (2.1)	HP (2.1)	NR0B2 (2.0)
ARFGAP2 (2.7)	IGF2R (2.6)	DHODH (2.5)	KDM3A (2.5)	ATG13 (2.3)
NFE2L3 (2.5)	BLK (2.2)	NSMAF (1.7)	PBX4 (1.6)	BRE (1.6)
C1orf172 (2.9)	DOCK7 (2.5)	CBLC (2.5)	BCAM (2.4)	REEP3 (2.3)
PTCD3 (2.5)	SIDT2 (2.4)	EIF2B4 (2.4)	DPYSL5 (2.1)	INTS10 (2.0)
ANGPTL4 (3.3)	TMED5 (2.8)	RIC8B (2.7)	ENSG00000234945 (2	RASIP1 (2.4)
UBXN2B (2.7)	CELF1 (2.6)	BCAM (2.5)	ARID1A (2.4)	CHMP3 (2.4)
REEP3 (2.3)	C1orf172 (2.3)	ATG13 (2.3)	NDUFS3 (2.2)	PTPMT1 (2.1)
RBKS (2.2)	NRBF2 (2.1)	BCL3 (2.0)	TMED5 (2.0)	FNDC4 (2.0)
CTSB (3.0)	BNC2 (2.7)	CGREF1 (2.5)	TECTB (2.3)	PLTP (2.2)
NAGS (2.9)	ABHD1 (2.7)	LIPC (2.7)	PLA2G6 (2.7)	HGFAC (2.7)
C2orf16 (1.8)	MPP3 (1.8)	C8orf12 (1.8)	SLC5A6 (1.6)	SLC30A3 (1.6)
BCL3 (2.6)	CETP (2.5)	EPB41L3 (2.4)	MAFF (2.3)	FUT2 (1.8)
APOC3 (3.6)	PVRL2 (3.5)	ANGPTL3 (3.2)	APOA1 (3.1)	DUSP3 (2.8)
GALNT2 (3.0)	INTS10 (2.6)	LINC00208 (2.4)	TMEM101 (2.2)	DNAH10 (2.1)
NOP58 (2.9)	LSM12 (2.6)	PPM1G (2.6)	BAZ1B (2.6)	IMMT (2.4)
DPYSL5 (2.1)	CTSB (2.1)	PTPRJ (2.1)	MAPK10 (2.1)	SIDT2 (2.0)
DNAJC5G (2.6)	SIDT2 (2.6)	TMEM214 (2.6)	PREB (2.5)	TMED5 (2.5)
MLXIPL (4.7)	GPAM (4.4)	C19orf80 (3.4)	KHK (3.0)	PPIP5K1 (2.2)
BNC2 (3.3)	BMPR2 (2.5)	GCKR (2.3)	FRMD5 (2.0)	PIGV (1.7)
FZD9 (2.9)	KANK2 (2.6)	LPL (2.5)	CSGALNACT1 (2.4)	APOE (2.2)
ZNF335 (2.6)	JMJD1C (2.6)	LPAR2 (2.5)	SIK3 (2.5)	IGF2R (2.4)
EMILIN1 (2.5)	IGF2R (2.4)	TECTB (2.2)	COBLL1 (2.2)	LPL (2.2)
BMPR2 (2.1)	CYP26A1 (1.9)	ARID1A (1.9)	GATA4 (1.8)	COBLL1 (1.8)
IZUMO1 (1.9)	LINC00208 (1.8)	ENSG00000236827 (1	CD300LG (1.8)	PIGV (1.6)
IZUMO1 (1.9)	LINC00208 (1.8)	ENSG00000236827 (1	CD300LG (1.8)	PIGV (1.6)
IZUMO1 (1.9)	LINC00208 (1.8)	ENSG00000236827 (1	CD300LG (1.8)	PIGV (1.6)

ZDHHC18 (2.5)	NRBF2 (2.4)	ENSG00000182319 (2	HDAC5 (2.0)	JMJD1C (2.0)
USP1 (2.7)	GTF3C2 (2.7)	PCIF1 (2.5)	NUP160 (2.5)	ARID1A (2.5)
CGREF1 (1.8)	DDB2 (1.8)	PDIA3 (1.6)	CETP (1.6)	ABHD1 (1.6)
ANGPTL4 (1.9)	LINC00208 (1.8)	ENSG00000236827 (1	IZUMO1 (1.7)	LPAL2 (1.7)
APOE (2.6)	APOA1 (2.3)	PLTP (2.2)	ABO (2.1)	LPAR2 (2.1)
NCAN (3.3)	ABCA1 (3.2)	NR1H3 (3.1)	CCDC121 (2.6)	APOB (2.4)
SDCBP (2.1)	ARHGAP1 (2.1)	LSM12 (2.0)	ANGPTL4 (1.9)	HDAC5 (1.9)
PIGV (2.2)	MAMSTR (2.2)	C2orf53 (2.1)	PLA2G6 (2.1)	ENSG00000223522 (2
ZNF335 (2.6)	PPM1G (2.6)	IMMT (2.5)	JMJD1C (2.4)	KDM3A (2.3)
ZNF512 (2.8)	USP1 (2.7)	PPM1G (2.6)	NOP58 (2.5)	ARID1A (2.5)
APOC3 (2.9)	TM6SF2 (2.8)	APOB (2.6)	TSSK6 (2.2)	NAGS (2.1)
LSM12 (2.5)	ARID1A (2.5)	BUD13 (2.5)	NUP160 (2.5)	USP1 (2.5)
WDR76 (2.4)	C1orf172 (2.3)	CCDC18 (2.2)	RFX4 (2.1)	ENSG00000257711 (2
PTPN13 (2.6)	ENSG00000179523 (2	BCL3 (2.3)	LIPC (2.3)	FGF21 (2.1)
LPA (2.6)	ANGPTL3 (2.6)	ABHD1 (2.6)	KHK (2.6)	FGF21 (2.5)
BNC2 (2.9)	PVRL2 (2.3)	APOA4 (2.1)	GALNT2 (2.0)	ENSG00000235545 (1
SLC22A1 (3.2)	FDFT1 (3.1)	GCKR (2.8)	FUT2 (2.7)	MTCH2 (2.5)
APOA4 (2.1)	ENSG00000256731 (2	EPB41L3 (2.1)	G6PC3 (2.1)	HAPLN4 (2.1)
LPL (3.0)	IMMT (2.6)	CATSPER2 (2.6)	EIF2B4 (2.5)	C2orf28 (2.5)
CYP7A1 (2.6)	COBLL1 (2.5)	C2orf53 (2.4)	FRMD5 (2.3)	KLF14 (2.2)
NFE2L3 (2.5)	INTS10 (2.5)	LPAR2 (2.4)	MFAP1 (2.1)	BCL3 (2.0)
ACP2 (2.9)	PLTP (2.8)	G6PC3 (2.7)	TMEM175 (2.6)	REEP3 (2.5)
CETP (2.9)	SDCBP (2.7)	TRIB1 (2.6)	EPB41L3 (2.2)	BCL7B (2.1)
FADS1 (3.1)	APOA1 (2.7)	ATG4C (2.7)	FADS2 (2.3)	KHK (2.1)
TMEM214 (2.7)	VEGFA (2.5)	CASC4 (2.3)	FADS1 (2.2)	TMED5 (2.2)
ATG13 (2.9)	PACSIN3 (2.9)	BCL7B (2.6)	REEP1 (2.1)	GATA4 (2.0)
PLA2G6 (2.4)	CD300LG (2.2)	KLF14 (1.9)	SLC5A6 (1.9)	LPL (1.8)
TOMM40 (3.8)	DHODH (3.2)	EIF3J (3.0)	GPN1 (2.9)	DHX38 (2.7)
ZNF513 (2.8)	SIDT2 (2.7)	ZNF408 (2.7)	PLA2G6 (2.6)	ABCA1 (2.4)
NRBF2 (2.2)	IGF2R (2.1)	PAFAH1B2 (2.1)	JMJD1C (2.0)	LINC00208 (2.0)
ANGPTL4 (2.4)	VEGFA (2.4)	ENSG00000182319 (2	BCL3 (2.2)	FUT1 (2.1)
APOE (2.4)	GATAD2A (2.4)	ENSG00000182319 (2	SOST (2.0)	ABO (1.9)
PLA2G6 (2.5)	LRP4 (2.3)	LSM12 (2.2)	TBL2 (2.1)	PVRL2 (2.1)
FADS2 (2.5)	MAU2 (2.3)	PCSK7 (2.2)	FADS1 (2.2)	PAFAH1B2 (2.2)
BCL3 (2.3)	CSGALNACT1 (2.2)	IZUMO1 (2.1)	APOB (2.1)	NCAN (2.1)
NR0B2 (2.0)	ENSG00000223522 (1	CITED2 (1.8)	KBTBD4 (1.8)	DDB2 (1.7)
TMED5 (3.3)	C2orf28 (3.0)	PREB (2.9)	VEGFA (2.8)	PCSK7 (2.6)
IFT172 (2.9)	EIF3J (2.8)	FADS1 (2.7)	CKAP5 (2.4)	KDM3A (2.3)
BNC2 (2.4)	TSSK6 (2.3)	HGFAC (2.3)	LPL (2.3)	CCDC92 (2.0)
PTCD3 (2.8)	ZNF259 (2.8)	TOMM40 (2.6)	PPM1G (2.5)	GPN1 (2.4)
ZNF512 (2.9)	DHX38 (2.7)	USP1 (2.6)	PCIF1 (2.6)	SUGP1 (2.5)
ENSG00000255020 (2	CASC4 (2.4)	CYP26A1 (2.2)	TDH (2.2)	EMILIN1 (2.2)
LIPC (2.0)	LINC00208 (1.9)	PPY (1.8)	CLPTM1 (1.8)	CASC4 (1.8)
ABCA1 (2.2)	NFE2L3 (2.2)	APOE (2.0)	BCAM (2.0)	PBX4 (1.9)
TOMM40 (3.9)	CAD (3.8)	PTCD3 (3.4)	GPN1 (3.3)	PPM1G (3.2)
CILP2 (2.7)	IGF2R (2.6)	PVRL2 (2.5)	LRP4 (2.5)	DOCK6 (2.2)
FUT1 (2.2)	FDFT1 (2.1)	ENSG00000234945 (2	LIPC (2.1)	BCAM (2.0)
FZD9 (2.7)	BNC2 (2.7)	SLC30A3 (2.5)	HAPLN4 (2.3)	MAMSTR (2.1)
SFN (2.8)	PYY (2.7)	SDC1 (2.2)	LSM12 (2.0)	FUT2 (2.0)
LPL (2.5)	RIC8B (2.4)	SIK3 (2.3)	RSPO3 (2.2)	MLXIPL (1.9)

LIPC (4.2)	HP (4.2)	APOA4 (3.6)	APOC4 (3.5)	APOC3 (3.4)
LPL (2.4)	FRMD5 (2.4)	MLXIPL (2.4)	C8orf49 (2.1)	KRTCAP3 (2.1)
IGF2R (2.5)	TM6SF2 (2.4)	ACP2 (2.3)	ATP13A1 (2.3)	HAPLN4 (2.3)
NFE2L3 (2.3)	GMIP (1.9)	ABCA1 (1.7)	LINC00208 (1.7)	TIMD4 (1.5)
C11orf9 (2.4)	ENSG00000236267 (2	ABO (2.1)	RFX4 (1.9)	ENSG00000257711 (1
PCSK7 (2.3)	NAT2 (2.3)	ENSG00000223745 (2	ENSG00000255020 (1	G6PC3 (1.8)
DHX38 (2.5)	EIF3J (2.4)	CAD (2.4)	ATP13A1 (2.4)	PTCD3 (2.3)
GTF3C2 (2.7)	DOCK7 (2.6)	FADS1 (2.4)	REEP3 (2.3)	G6PC3 (2.2)
SIK3 (2.2)	GMIP (2.1)	KLF14 (1.8)	CILP2 (1.6)	CTSB (1.6)
BCAM (2.5)	AGBL2 (2.3)	KANK2 (2.1)	TAGLN (1.9)	IGF2R (1.9)
CSGALNACT1 (3.1)	TMEM101 (2.9)	PIGV (2.9)	MAP1A (2.4)	CILP2 (2.4)
SDCBP (2.7)	TUBGCP4 (2.6)	CTSB (2.5)	CETP (2.4)	CGREF1 (2.4)
KLF14 (2.6)	GPAM (2.4)	PYY (2.3)	RIC8B (2.3)	NAT2 (2.0)
GPAM (2.7)	MLXIPL (2.7)	CETP (2.6)	C8orf49 (2.3)	LPAL2 (2.3)
ENSG00000182329 (3	LPA (3.5)	OST4 (3.0)	GCKR (2.8)	ANGPTL3 (2.8)
APOC4 (3.4)	HGFAC (3.4)	GCKR (3.4)	APOA5 (3.4)	HP (3.0)
GALNT2 (2.0)	IFT172 (2.0)	MAU2 (1.9)	BCL3 (1.9)	SLC22A3 (1.8)
PIGV (3.2)	TMEM175 (2.9)	C2orf28 (2.8)	TMED5 (2.6)	ATP13A1 (2.6)
CAD (3.2)	AMBRA1 (3.1)	GTF3C2 (3.0)	PCIF1 (2.8)	CELF1 (2.8)
USP1 (2.9)	ZNF512 (2.8)	NOP58 (2.7)	SUGP1 (2.6)	ARID1A (2.5)
VEGFA (2.9)	ENSG00000256731 (2	BNC2 (2.6)	FADS1 (2.6)	ABCA1 (2.6)
MRPL35 (3.0)	SNX17 (2.9)	PPIP5K1 (2.6)	IFT172 (2.6)	MTCH2 (2.5)
ARID1A (3.0)	ZNF408 (2.9)	AMBRA1 (2.8)	ARFGAP2 (2.7)	CELF1 (2.6)
ENSG00000236827 (1	LINC00208 (1.8)	IZUMO1 (1.7)	CD300LG (1.7)	PIGV (1.7)
GTF3C2 (3.0)	PLA2G6 (2.9)	AMBRA1 (2.7)	BCL3 (2.7)	LPAR2 (2.6)
GTF3C2 (2.9)	NOP58 (2.7)	PCIF1 (2.7)	NUP160 (2.6)	DHX38 (2.6)
LINC00208 (2.7)	LPA (2.6)	ZDHHC18 (2.4)	CETP (2.3)	APOE (2.2)
TOMM40 (3.5)	GPN1 (3.1)	CAD (2.8)	PTCD3 (2.8)	DHODH (2.8)
RSPO3 (1.9)	TRNP1 (1.9)	BNC2 (1.8)	HDAC5 (1.8)	PACSIN3 (1.8)
EIF3J (4.0)	PTCD3 (3.7)	POLR1A (3.4)	CAD (2.9)	NUP160 (2.8)
PBX4 (2.3)	TIMD4 (2.3)	GALNT2 (2.1)	ACP2 (2.1)	LPA (2.1)
ZNF664 (2.3)	PAFAH1B2 (2.2)	DOCK7 (2.2)	CBLC (2.1)	TMEM101 (1.8)
TRIB1 (2.6)	ABCA1 (2.6)	ARID1A (2.4)	KDM3A (2.3)	NEIL2 (2.3)
CSGALNACT1 (2.1)	LINC00208 (1.8)	IZUMO1 (1.7)	C2orf16 (1.6)	AFF1 (1.5)
RSPO3 (2.4)	BCAM (2.3)	MAFF (2.0)	TAGLN (2.0)	LIPC (1.9)
FGF21 (3.0)	LPAL2 (2.8)	TMED5 (2.5)	RBKS (2.3)	SPG11 (2.3)
APOC4 (3.1)	APOA5 (2.9)	HGFAC (2.8)	C19orf80 (2.7)	C2orf16 (2.6)
NUP160 (2.6)	GPN1 (2.6)	PTCD3 (2.1)	SLC5A6 (2.0)	EIF3J (1.7)
C8orf12 (1.8)	TMEM175 (1.8)	GALNT2 (1.7)	SOST (1.7)	LRP4 (1.6)
EIF2B4 (2.8)	NR0B2 (2.6)	C2orf28 (2.5)	GPAM (2.4)	PTPMT1 (2.4)
DNAJC5G (2.6)	FAM167A (2.4)	ENSG00000182319 (2	BCAM (1.9)	CYP26A1 (1.9)
GPN1 (3.0)	TOMM40 (2.7)	DHX38 (2.5)	EIF2B4 (2.5)	SUGP1 (2.5)
G6PC3 (2.7)	ATP13A1 (2.5)	ATG13 (2.4)	FADS2 (2.3)	CLPTM1 (2.3)
PREB (4.2)	TBL2 (3.8)	ATP13A1 (3.8)	C2orf28 (3.6)	CGREF1 (3.3)
ZDHHC18 (2.6)	CD300LG (2.3)	AFF1 (2.3)	PTPRJ (1.9)	BLK (1.8)
DHX38 (3.2)	NUP160 (3.1)	ATP13A1 (3.0)	PTCD3 (2.8)	PPM1G (2.8)
LINC00208 (2.7)	ZDHHC18 (2.6)	LPA (2.6)	APOE (2.3)	CETP (2.2)
KANK2 (2.8)	DUSP3 (2.7)	PVRL2 (2.7)	DOCK6 (2.4)	FGF21 (2.3)
NUP160 (2.6)	PCIF1 (2.6)	DHX38 (2.6)	ARFGAP2 (2.5)	CELF1 (2.5)
JMJD1C (2.2)	GATA4 (2.1)	LRP4 (2.0)	HAPLN4 (2.0)	C2orf16 (1.9)

CETP (2.7)	C11orf9 (2.2)	DOCK6 (2.2)	PTPN13 (2.1)	KRTCAP3 (2.0)
SFN (3.6)	KRTCAP3 (3.2)	PTPN13 (3.0)	LPAR2 (2.7)	FUT1 (2.5)
CKAP5 (3.3)	USP1 (3.2)	PTCD3 (3.1)	KDM3A (3.0)	CTDSPL2 (2.9)
LINC00208 (1.8)	ENSG00000236827 (1	PIGV (1.8)	NFE2L3 (1.7)	CD300LG (1.7)
CBLC (2.6)	C11orf9 (2.4)	SDC1 (2.3)	SOST (2.1)	AFF1 (2.0)
ARHGAP1 (2.2)	KANK2 (2.1)	NAT2 (2.1)	PTPRJ (2.0)	GALNT2 (1.9)
IMMT (4.6)	PTPMT1 (3.8)	MRPL33 (3.2)	PTCD3 (2.9)	NR0B2 (2.6)
CAD (3.0)	PPM1G (3.0)	NUP160 (2.8)	TOMM40 (2.8)	DHX38 (2.7)
RBKS (2.1)	PIGV (2.1)	ABCA1 (2.1)	PTPRJ (1.9)	MRPL33 (1.8)
FUT2 (3.0)	EMILIN1 (2.9)	NAT2 (2.6)	LRP4 (2.6)	SFN (2.3)
ZNF512 (2.7)	GTF3C2 (2.7)	INTS10 (2.6)	USP1 (2.6)	SUGP1 (2.4)
MAFF (3.0)	ANGPTL4 (2.9)	TRIB1 (2.9)	PACSIN3 (2.8)	NR0B2 (2.7)
IMMT (2.8)	TP53BP1 (2.8)	NEIL2 (2.6)	POLR1A (2.2)	CAD (2.2)
GTF3C2 (2.7)	USP1 (2.6)	PPM1G (2.5)	CELF1 (2.5)	BAZ1B (2.5)
CITED2 (3.8)	PGS1 (2.8)	DUSP3 (2.1)	TMEM101 (2.0)	BRE (2.0)
ENSG00000253379 (3	RSPO3 (2.7)	EMILIN1 (2.6)	BNC2 (2.6)	CYP26A1 (2.6)
CATSPER2 (2.8)	KDM3A (2.7)	MTCH2 (2.6)	DOCK7 (2.4)	SDCBP (2.1)
KRTCAP3 (2.1)	CSGALNACT1 (2.0)	BCL7B (1.8)	PIGV (1.7)	RSPO3 (1.6)
KRTCAP3 (2.1)	CSGALNACT1 (2.0)	BCL7B (1.8)	PIGV (1.7)	RSPO3 (1.6)
PIGV (1.8)	ENSG00000236827 (1	CSGALNACT1 (1.8)	CYP7A1 (1.7)	GALNT2 (1.7)
F2 (4.1)	APOB (4.1)	HGFAC (3.9)	GCKR (3.8)	NR0B2 (3.8)
TOMM40 (3.6)	DHODH (3.2)	EIF2B4 (3.1)	EIF3J (3.1)	PTCD3 (3.0)
PTPN13 (2.6)	TRIB1 (2.5)	SDC1 (2.4)	REEP3 (2.2)	GATA4 (2.1)
ARID1A (3.1)	CMIP (3.1)	BAZ1B (2.2)	BUD13 (2.0)	AGBL5 (2.0)
APOA4 (2.9)	SIDT2 (2.4)	ENSG00000222035 (2	LPA (2.1)	FADS1 (2.0)
RSPO3 (2.8)	SIDT2 (2.6)	PVRL2 (2.3)	CLPTM1 (2.3)	TECTB (2.2)
TXNL4B (2.7)	ENSG00000179523 (2	FDFT1 (2.6)	ABHD1 (2.5)	G6PC3 (2.4)
LPAL2 (2.3)	LPA (2.2)	BCL3 (2.2)	GMIP (2.1)	ABCA1 (2.0)
VEGFA (3.2)	FGF21 (3.2)	CITED2 (3.1)	BLK (2.5)	KDM3A (2.4)
MAFF (3.3)	ZNF335 (3.3)	ARID1A (3.0)	BUD13 (2.6)	KDM3A (2.4)
ATP13A1 (3.0)	POLR1A (2.9)	EIF3J (2.7)	TOMM40 (2.7)	ZNF408 (2.5)
SLC5A6 (2.8)	APOA4 (2.1)	EPB41L3 (2.0)	MLXIPL (1.9)	FAM167A (1.8)
EPB41L3 (2.3)	C2orf16 (2.3)	LRP4 (2.2)	BMPR2 (2.2)	HAPLN4 (2.2)
ENSG00000236827 (1	CD300LG (1.8)	LINC00208 (1.8)	IZUMO1 (1.8)	SIK3 (1.7)
PACSIN3 (4.1)	FRMD5 (3.5)	LPL (2.5)	SLC30A3 (2.3)	ARHGAP1 (2.1)
TMEM175 (2.7)	ZNF512 (2.6)	WDR76 (2.4)	CCDC18 (2.3)	ENSG00000182319 (2
CGREF1 (1.8)	CITED2 (1.7)	ABHD1 (1.7)	PDIA3 (1.6)	REEP3 (1.6)
FADS1 (2.8)	FADS2 (2.7)	NCAN (2.7)	FUT2 (2.4)	CCDC18 (2.2)
ENSG00000200241 (2	KDM3A (2.6)	TBL2 (2.3)	BRE (2.1)	ABHD1 (2.0)
TECTB (2.7)	ENSG00000257711 (2	MADD (2.1)	EPB41L3 (1.8)	ENSG00000235545 (1
CCDC121 (2.1)	AFF1 (1.8)	TRIB1 (1.8)	CCDC92 (1.8)	MAFF (1.7)
TOMM40 (3.9)	PTCD3 (3.2)	CAD (3.2)	GPN1 (3.2)	DHODH (3.0)
BMPR2 (2.3)	PYY (2.1)	LRP4 (2.0)	DOCK6 (2.0)	CMIP (1.9)
MAFF (2.5)	PVRL2 (2.4)	GMIP (2.4)	PTPRJ (2.3)	SDC1 (2.3)
MTCH2 (3.3)	LPA (3.1)	CYP7A1 (3.0)	SLC22A1 (2.5)	HGFAC (2.5)
AFF1 (2.1)	ENSG00000257711 (1	GMIP (1.7)	CD300LG (1.6)	REEP3 (1.5)
KLF14 (2.4)	TECTB (2.3)	MLXIPL (2.2)	BNC2 (2.1)	TMED5 (2.0)
ACP2 (2.3)	NAT2 (2.3)	ANGPTL3 (2.2)	RBKS (2.1)	MRPL35 (1.9)
G6PC3 (2.6)	C19orf80 (2.5)	TAGLN (2.3)	ABHD1 (2.3)	HP (2.2)
CBLC (3.9)	NAT2 (2.2)	KLF14 (2.2)	FUT2 (2.1)	APOA5 (1.9)

ANGPTL3 (2.8)	NAGS (2.6)	FUT1 (2.6)	HGFAC (2.4)	GCKR (2.3)
PPM1G (3.3)	OST4 (3.3)	TMED5 (3.1)	EIF3J (2.7)	ARFGAP2 (2.7)
NSMAF (3.4)	ABCA1 (2.9)	ENSG00000235545 (2	TMED5 (1.8)	SIK3 (1.8)
BUD13 (2.7)	PCSK7 (2.7)	KDM3A (2.4)	ENSG00000256746 (2	PTPRJ (2.3)
ARID1A (2.8)	PCIF1 (2.8)	BUD13 (2.7)	ZNF335 (2.6)	JMJD1C (2.6)
APOE (2.4)	SIK3 (2.4)	FNDC4 (2.2)	EPB41L3 (2.2)	DPYSL5 (2.1)
FGF21 (3.6)	VEGFA (3.4)	CATSPER2 (2.6)	ENSG00000257711 (2	NR0B2 (2.1)
ENSG00000256731 (3	APOC1 (2.5)	LPL (2.5)	COBLL1 (2.4)	IGF2R (2.3)
PIGV (3.2)	G6PC3 (3.0)	SIDT2 (2.8)	PTPMT1 (2.7)	C2orf28 (2.6)
BAZ1B (3.0)	CAD (2.9)	NUP160 (2.8)	CELF1 (2.4)	WDR76 (2.3)
APOE (2.7)	SFN (2.6)	LPL (2.3)	BCAM (2.1)	CILP2 (2.1)
AFF1 (3.6)	GMIP (3.1)	LSM12 (2.5)	CETP (2.3)	HP (2.2)
LSM12 (2.1)	ENSG00000255020 (2	TMED5 (2.0)	EPB41L3 (1.9)	ANGPTL4 (1.7)
DHX38 (3.3)	BUD13 (3.3)	NOP58 (2.8)	GTF3C2 (2.7)	ZNF512 (2.7)
LINC00208 (1.9)	IZUMO1 (1.9)	CD300LG (1.8)	ENSG00000236827 (1	MAFF (1.6)
REEP1 (2.0)	FADS2 (1.9)	LPAL2 (1.8)	KHK (1.8)	MAFF (1.8)
NRBP1 (2.9)	TMEM214 (2.7)	MTCH2 (2.6)	SNX17 (2.4)	CLPTM1 (2.2)
HGFAC (3.1)	APOC4 (2.8)	CCDC92 (2.3)	GCKR (2.3)	ZNF408 (2.3)
UBXN2B (2.2)	PAFAH1B2 (2.0)	CCDC121 (1.9)	CYP26A1 (1.8)	TRIB1 (1.8)
TMEM101 (2.9)	ANGPTL4 (2.8)	TMED5 (2.7)	PIGV (2.4)	PCSK7 (2.4)
TOMM40 (2.6)	PPM1G (2.6)	GPN1 (2.4)	DHX38 (2.4)	CAD (2.3)
RFX4 (2.5)	C11orf9 (2.4)	TAGLN (2.2)	ENSG00000236827 (2	FDFT1 (2.2)
TM6SF2 (2.9)	NAT2 (2.7)	REEP3 (2.7)	SLC22A1 (2.5)	TMEM175 (2.4)
MLXIPL (2.0)	PLA2G6 (1.9)	KHK (1.9)	CTSB (1.7)	NR0B2 (1.7)
CAD (2.8)	ZNF512 (2.8)	PCIF1 (2.7)	NUP160 (2.6)	IMMT (2.6)
EPB41L3 (2.3)	COBLL1 (2.3)	TUBGCP4 (2.1)	CETP (2.1)	MPP2 (2.1)
OST4 (2.8)	PCIF1 (2.7)	PPM1G (2.5)	NUP160 (2.5)	GTF3C2 (2.5)
ABCA1 (2.0)	TIMD4 (1.9)	NCAN (1.8)	COBLL1 (1.8)	ATG4C (1.7)
ENSG00000256731 (2	EMILIN1 (2.0)	COBLL1 (2.0)	TRNP1 (1.9)	TXNL4B (1.7)
SOST (3.1)	LRP4 (2.6)	CYP26A1 (2.3)	PTPN13 (2.3)	RSPO3 (2.3)
JMJD1C (2.8)	PTCD3 (2.8)	TP53BP1 (2.7)	NUP160 (2.4)	MADD (2.4)
BCAM (2.8)	ANGPTL3 (2.7)	RIC8B (2.2)	APOC1 (2.0)	CTSB (2.0)
USP1 (2.7)	BUD13 (2.6)	GTF3C2 (2.6)	NUP160 (2.5)	ZNF512 (2.4)
GATA4 (2.9)	SDC1 (2.6)	CBLC (2.4)	LPAR2 (2.4)	FUT1 (2.3)
ZNF259 (3.8)	TOMM40 (3.5)	EIF3J (3.3)	GPN1 (3.3)	DHODH (3.2)
LINC00208 (1.9)	IZUMO1 (1.9)	ENSG00000236827 (1	CD300LG (1.7)	PIGV (1.6)
SLC30A3 (2.1)	ABO (1.9)	CETP (1.8)	RSPO3 (1.8)	LPAL2 (1.7)
NRBF2 (2.1)	CATSPER2 (1.9)	UBXN2B (1.8)	C2orf16 (1.8)	HARBI1 (1.8)
TXNL4B (3.4)	GCKR (3.0)	ANGPTL3 (2.9)	UBXN2B (2.9)	HGFAC (2.7)
ENSG00000257711 (2	ANGPTL4 (2.2)	ENSG00000256746 (2	C2orf16 (1.8)	MPV17 (1.7)
APOC3 (3.1)	NAGS (2.7)	KHK (2.4)	APOA1 (2.4)	APOB (2.4)
KRTCAP3 (2.5)	ENSG00000234945 (2	TXNL4B (2.5)	TMEM101 (2.3)	ABO (2.1)
MPP3 (2.5)	ENSG00000235545 (2	ENSG00000226645 (2	MAPK10 (2.1)	ENSG00000182329 (2
EMILIN1 (2.3)	PMFBP1 (2.1)	PPY (2.1)	GALNT2 (1.9)	PLTP (1.6)
HDAC5 (2.8)	MAMSTR (2.8)	JMJD1C (2.7)	MAU2 (2.7)	KDM3A (2.6)
VEGFA (2.3)	CYP26A1 (2.2)	C2orf16 (2.1)	FUT1 (2.0)	CD300LG (2.0)
CELF1 (3.0)	ZNF335 (2.8)	BAZ1B (2.7)	BUD13 (2.7)	DOCK7 (2.6)
PACSIN3 (2.3)	GALNT2 (2.2)	GATA4 (2.1)	SDC1 (2.0)	FZD9 (2.0)
EIF2B4 (2.2)	NRBP1 (2.0)	FADS2 (1.9)	TUBGCP4 (1.8)	IMMT (1.8)
BAZ1B (3.1)	GTF3C2 (3.0)	AFF1 (3.0)	HDAC5 (2.5)	GALNT2 (2.5)

GMIP (2.4)	MAFF (2.3)	PIGV (2.1)	NSMAF (2.0)	CTSB (1.9)
MAPRE3 (2.3)	FRMD5 (2.2)	SIK3 (2.1)	MPP2 (2.0)	C1QTNF4 (2.0)
FZD9 (2.6)	RASIP1 (2.3)	ANGPTL4 (2.1)	LINC00208 (2.0)	RSPO3 (2.0)
REEP3 (3.1)	TMED5 (3.0)	PTPMT1 (3.0)	FADS2 (2.9)	G6PC3 (2.6)
REEP3 (3.1)	TMED5 (3.0)	PTPMT1 (3.0)	FADS2 (2.9)	G6PC3 (2.6)
RASIP1 (2.8)	PPY (2.6)	LPL (2.3)	BCAM (2.2)	PLTP (2.1)
PVRL2 (2.5)	LINC00208 (2.5)	RASIP1 (2.3)	ANGPTL4 (2.2)	DOCK6 (2.2)
ATG4C (2.8)	RBKS (2.1)	CD300LG (2.1)	LPL (1.8)	C17orf105 (1.6)
FADS1 (2.8)	ENSG00000179523 (2	C11orf49 (2.2)	IFT172 (2.2)	SOST (2.2)
NR1H3 (2.9)	C2orf28 (2.8)	PIGV (2.8)	TMED5 (2.6)	RBKS (2.3)
NR1H3 (2.9)	C2orf28 (2.8)	PIGV (2.8)	TMED5 (2.6)	RBKS (2.3)
RFX4 (2.6)	C19orf80 (2.5)	HAVCR1 (2.3)	ENSG00000255020 (2	PLTP (2.3)
LPAL2 (5.6)	TM6SF2 (4.5)	ENSG00000234945 (4	HGFAC (3.9)	AGBL2 (3.5)
CASC4 (2.6)	GALNT2 (2.5)	REEP3 (2.3)	FGF21 (2.3)	DPYSL5 (2.3)
PTPRJ (2.0)	BLK (2.0)	DDB2 (1.9)	ENSG00000182319 (1	PLTP (1.9)
PYY (2.3)	IFT172 (2.0)	CETP (2.0)	C1QTNF4 (1.9)	JMJD1C (1.9)
ENSG00000182319 (2	C1orf172 (2.4)	FUT2 (2.3)	CYP26A1 (2.3)	DOCK6 (2.2)
LPA (3.0)	ANGPTL3 (2.8)	LPAL2 (2.7)	CYP7A1 (2.7)	APOA5 (2.7)
CETP (3.1)	GMIP (3.1)	APOC1 (3.0)	NR1H3 (2.1)	EPB41L3 (2.0)
TMEM101 (3.4)	PIGV (3.3)	ATG4C (3.1)	PTPMT1 (2.9)	MPV17 (2.8)
ZNF512 (2.8)	USP1 (2.6)	NUP160 (2.5)	DHX38 (2.5)	CELF1 (2.5)
ENSG00000253379 (2	FAM167A (2.3)	KANK2 (2.2)	REEP3 (2.1)	PTPN13 (2.1)
GATAD2A (2.5)	CHMP3 (2.3)	CELF1 (2.3)	TAGLN (2.2)	C11orf49 (2.2)
PVRL2 (3.0)	APOE (3.0)	ACP2 (2.8)	PDIA3 (2.7)	ABCA1 (2.5)
CYP26A1 (2.8)	DNAH10 (2.8)	C8orf12 (2.5)	ABO (2.4)	DNAJC5G (2.1)
ZNF664 (2.9)	ZNF512 (2.7)	ENSG00000253379 (2	PCIF1 (2.5)	GTF3C2 (2.3)
CASC4 (2.2)	PMFBP1 (2.0)	CYP7A1 (2.0)	C8orf49 (2.0)	TECTB (1.9)
BUD13 (3.4)	TOMM40 (2.9)	SLC5A6 (2.8)	EIF3J (2.5)	CAD (2.2)
GCKR (2.6)	FGF21 (2.5)	APOC4 (2.5)	HP (2.4)	ANGPTL4 (2.4)
RBKS (2.2)	DR1 (2.1)	SLC22A3 (2.1)	KHK (2.0)	SLC22A1 (2.0)
TBL2 (3.1)	FAM167A (3.0)	LRP4 (3.0)	ATG13 (2.3)	EMILIN1 (2.3)
RIC8B (2.2)	BNC2 (2.2)	SLC22A3 (2.0)	MAU2 (1.9)	AMBRA1 (1.9)
USP1 (3.0)	INTS10 (3.0)	BUD13 (2.9)	DHX38 (2.9)	ZNF512 (2.8)
SIK3 (2.5)	ZDHHC18 (2.3)	MAFF (2.0)	ENSG00000200241 (1	CTSB (1.3)
SLC30A3 (2.3)	CITED2 (2.2)	BCL3 (2.2)	PBX4 (2.1)	PGS1 (2.1)
PLA2G6 (2.3)	TSSK6 (2.3)	ENSG00000255020 (2	ENSG00000236827 (2	ATG13 (2.0)
C11orf9 (2.0)	LRP4 (1.9)	ENSG00000222035 (1	ENSG00000226645 (1	NEIL2 (1.7)
TMEM214 (2.4)	PLA2G6 (2.4)	SIK3 (2.2)	GTF3C2 (2.1)	ZNF513 (2.1)
PDIA3 (3.5)	C2orf28 (3.4)	G6PC3 (3.3)	TMED5 (3.3)	TMEM175 (3.2)
MTCH2 (2.2)	PTCD3 (2.0)	VEGFA (1.9)	ENSG00000223522 (1	MLXIPL (1.9)
MFAP1 (3.0)	MADD (3.0)	NUP160 (3.0)	KBTBD4 (2.7)	INTS10 (2.5)
LINC00208 (1.9)	IZUMO1 (1.8)	ENSG00000236827 (1	PIGV (1.7)	CD300LG (1.7)
ARID1A (2.1)	FDFT1 (2.0)	CMIP (1.9)	FADS2 (1.8)	CYP7A1 (1.6)
SUGP1 (3.5)	NOP58 (3.0)	PCIF1 (3.0)	GTF3C2 (2.8)	USP1 (2.8)
PTPRJ (2.2)	ACP2 (2.1)	GMIP (2.0)	TIMD4 (2.0)	ZNF513 (1.9)
DHX38 (2.9)	USP1 (2.8)	GTF3C2 (2.8)	NOP58 (2.7)	LSM12 (2.6)
JMJD1C (2.5)	MTF2 (2.3)	ZDHHC18 (2.1)	TIMD4 (2.1)	NSMAF (1.8)
TRIM54 (3.2)	BMPR2 (3.1)	KANK2 (2.7)	CHMP3 (2.4)	SIDT2 (2.4)
NRBP1 (2.1)	ATG13 (2.1)	ARID1A (2.0)	COBLL1 (1.9)	MAU2 (1.9)
C1orf172 (2.3)	ENSG00000234945 (2	ZNF513 (2.1)	KRTCAP3 (2.1)	FNBP4 (2.1)

C1orf172 (2.3)	ENSG00000234945 (2	ZNF513 (2.1)	KRTCAP3 (2.1)	FNBP4 (2.1)
NCAN (2.6)	SDC1 (2.4)	CMIP (2.2)	JMJD1C (2.1)	PYY (1.9)
ZNF512 (2.9)	USP1 (2.6)	PPM1G (2.6)	NUP160 (2.5)	DHX38 (2.5)
PVRL2 (3.3)	HAVCR1 (3.1)	PTPRJ (2.9)	TIMD4 (2.8)	GMIP (2.4)
C17orf105 (2.7)	TSSK6 (2.4)	VEGFA (2.4)	ZNF513 (2.1)	ENSG00000226645 (2
ENSG00000253379 (2	TM6SF2 (2.5)	LPL (2.5)	C8orf49 (2.4)	TMED5 (2.4)
ANGPTL4 (2.7)	FADS2 (2.5)	DOCK7 (2.5)	SPG11 (2.1)	FUT1 (2.0)
CELF1 (2.6)	ENSG00000223745 (2	PYY (2.4)	DNAJC5G (2.4)	MLXIPL (2.0)
CITED2 (2.1)	ENSG00000182329 (2	RSPO3 (2.0)	CILP2 (1.9)	TMEM101 (1.8)
TMEM175 (3.3)	PLA2G6 (3.0)	G6PC3 (3.0)	IGF2R (2.8)	AGBL2 (2.7)
FUT2 (2.2)	CYP7A1 (2.2)	SDCBP (2.1)	ABCA1 (2.1)	ENSG00000200241 (1
STRC (2.6)	CYP7A1 (2.6)	LPAL2 (2.4)	ENSG00000254235 (2	MLXIPL (2.3)
BCL3 (2.9)	C1orf172 (2.6)	MAFF (2.6)	PVRL2 (2.6)	ENSG00000236827 (2
USP1 (2.7)	DHX38 (2.6)	ZNF512 (2.6)	PPM1G (2.5)	PCIF1 (2.5)
CETP (2.2)	TMEM101 (2.1)	REEP3 (2.0)	CBLC (1.9)	NDUFS3 (1.9)
MLXIPL (2.4)	APOC3 (2.3)	ENSG00000182329 (2	DNAH10 (2.0)	TSSK6 (2.0)
ENSG00000182329 (4	SLC22A1 (4.3)	LPAL2 (4.1)	TM6SF2 (4.0)	GCKR (3.9)
CHMP3 (2.2)	BCL3 (2.1)	CLPTM1 (2.0)	SNX17 (2.0)	BRE (1.7)
ZNF335 (2.8)	MAU2 (2.7)	BCL7B (2.7)	ZNF512 (2.3)	DHX38 (2.2)
BNC2 (2.5)	RSPO3 (2.4)	DOCK6 (2.4)	IGF2R (2.4)	MAPRE3 (2.3)
GTF3C2 (2.6)	BUD13 (2.6)	DHX38 (2.5)	INTS10 (2.5)	USP1 (2.5)
HP (1.7)	FNBP4 (1.5)	BCL3 (1.5)	GMIP (1.5)	PTPRJ (1.5)
AFF1 (2.7)	CD300LG (2.6)	PCSK7 (2.5)	PCIF1 (2.3)	SIK3 (2.2)
TMED5 (3.7)	ARFGAP2 (3.4)	TMEM214 (3.1)	GALNT2 (2.9)	FGF21 (2.4)
TIMD4 (2.5)	BCL3 (2.2)	CETP (2.1)	PIGV (2.1)	ZDHHC18 (2.0)
GALNT2 (2.7)	ENSG00000182319 (2	GPAM (2.3)	ENSG00000253379 (2	CCDC92 (2.2)
ENSG00000235545 (2	GATA4 (2.3)	ARHGAP1 (2.3)	TMEM214 (2.2)	C8orf49 (2.2)
HAPLN4 (2.6)	TM6SF2 (2.4)	GALNT2 (2.2)	C2orf28 (2.2)	ACP2 (2.2)
C2orf16 (2.9)	CITED2 (2.7)	MAFF (2.5)	DOCK6 (2.3)	VEGFA (2.1)
KANK2 (2.6)	PLTP (2.5)	SDC1 (2.5)	RSPO3 (2.5)	CYP26A1 (2.5)
ACP2 (2.1)	NSMAF (2.1)	PBX4 (2.0)	JMJD1C (2.0)	TIMD4 (1.9)
C11orf9 (3.0)	ENSG00000236267 (2	ENSG00000255020 (2	SLC22A3 (2.8)	CCDC121 (2.4)
ACP2 (3.0)	CETP (2.9)	NR1H3 (2.5)	NFE2L3 (2.2)	GMIP (2.2)
C1orf172 (3.0)	CBLC (2.7)	C2orf28 (2.3)	SDC1 (2.2)	IFT172 (2.2)
TMEM101 (4.2)	TBL2 (4.1)	ATP13A1 (3.6)	C2orf28 (3.6)	MPV17 (3.0)
CGREF1 (1.7)	ABHD1 (1.6)	DDB2 (1.6)	TMEM101 (1.6)	REEP3 (1.6)
ENSG00000182329 (4	SLC22A1 (4.2)	TM6SF2 (4.0)	LPAL2 (4.0)	GCKR (3.9)
ENSG00000182329 (4	SLC22A1 (4.2)	TM6SF2 (4.0)	LPAL2 (4.0)	GCKR (3.9)
IMMT (3.1)	SNX17 (2.9)	PPIP5K1 (2.6)	MTCH2 (2.6)	TBL2 (2.4)
SFN (2.7)	BCL3 (2.6)	ABCA1 (2.6)	SDC1 (2.3)	EMILIN1 (2.3)
NOP58 (3.0)	PCIF1 (3.0)	BUD13 (2.9)	CELF1 (2.8)	FEN1 (2.7)
DNAJC5G (2.2)	TBL2 (2.2)	ENSG00000254235 (2	SUPT7L (2.1)	AFF1 (1.9)
DNAJC5G (2.2)	TBL2 (2.2)	ENSG00000254235 (2	SUPT7L (2.1)	AFF1 (1.9)
UCN (3.0)	ABCA1 (2.4)	ENSG00000256731 (2	MLXIPL (2.2)	GCKR (1.8)
ZNF513 (2.2)	BLK (2.2)	NFE2L3 (2.1)	ZDHHC18 (2.1)	ACP2 (2.0)
MYBPC3 (3.1)	EMILIN1 (2.8)	PTPRJ (2.1)	BCL3 (1.9)	ABCA1 (1.9)
LRP4 (3.0)	CILP2 (2.8)	PTPN13 (2.6)	CYP26A1 (2.5)	ENSG00000253379 (2
KHK (3.1)	SLC22A1 (2.7)	FUT2 (2.7)	MTCH2 (2.7)	IMMT (2.4)
USP1 (2.7)	GTF3C2 (2.7)	DHX38 (2.7)	PCIF1 (2.6)	NUP160 (2.5)
USP1 (2.7)	GTF3C2 (2.7)	DHX38 (2.7)	PCIF1 (2.6)	NUP160 (2.5)

ATG13 (2.1)	AGBL5 (2.0)	VEGFA (1.9)	ARID1A (1.9)	KDM3A (1.8)
PREB (3.0)	G6PC3 (2.9)	TMEM175 (2.7)	TM6SF2 (2.7)	CGREF1 (2.5)
APOE (3.2)	SDCBP (2.9)	REEP3 (2.8)	CETP (2.8)	GALNT2 (2.5)
APOC1 (2.2)	SDCBP (2.1)	ATG4C (2.0)	PTPRJ (1.9)	C2orf16 (1.9)
G6PC3 (2.7)	TMED5 (2.6)	TM6SF2 (2.4)	CYP7A1 (2.4)	TBL2 (2.3)
CETP (2.3)	ABCA1 (2.2)	NR0B2 (2.2)	ANGPTL4 (2.2)	TIMD4 (2.1)
PTPRJ (2.4)	ZDHHC18 (2.3)	CETP (2.3)	AFF1 (2.2)	MTF2 (2.2)
FDFT1 (2.4)	ENSG00000256731 (2	APOC4 (2.0)	FADS1 (1.9)	TRIB1 (1.9)
POLR1A (3.8)	EIF3J (3.7)	PTCD3 (3.5)	CAD (3.5)	PPM1G (2.8)
TIMD4 (2.0)	GMIP (2.0)	ACP2 (1.8)	PIGV (1.8)	BCL3 (1.7)
NRBP1 (2.0)	MTMR9 (2.0)	ENSG00000200241 (1	EIF2B4 (1.9)	ENSG00000179523 (1
PCSK7 (2.4)	TDH (2.1)	C1QTNF4 (2.1)	PIGV (2.0)	GTF3C2 (2.0)
PPM1G (3.0)	ZNF512 (2.9)	PCIF1 (2.8)	GTF3C2 (2.8)	SUGP1 (2.6)
RSPO3 (3.0)	C8orf49 (2.9)	BNC2 (2.9)	CSGALNACT1 (2.6)	TAGLN (2.4)
NCAN (2.6)	ENSG00000256746 (2	TECTB (2.2)	LINC00208 (2.2)	MAPK10 (2.1)
PGS1 (2.6)	APOC3 (2.5)	FADS1 (2.5)	ACP2 (2.5)	APOA4 (2.4)
AFF1 (2.0)	CD300LG (2.0)	EMILIN1 (2.0)	C11orf9 (1.9)	ARFGAP2 (1.9)
TSSK6 (2.0)	RFX4 (2.0)	ATG4C (1.9)	HGFAC (1.7)	LIPC (1.6)
AGBL2 (2.3)	ABO (2.3)	ENSG00000254235 (2	TMEM101 (2.2)	EMILIN1 (2.1)
ENSG00000236827 (2	MAPK10 (1.9)	CBLC (1.8)	C8orf12 (1.8)	ZDHHC18 (1.8)
ARHGAP1 (2.5)	CMIP (2.4)	C11orf9 (2.1)	NRBF2 (2.1)	ATG13 (2.0)
RFX4 (3.1)	STRC (3.1)	ENSG00000255020 (2	FUT2 (2.4)	ENSG00000253379 (2
HDAC5 (2.5)	PPM1G (2.4)	ARID1A (2.4)	CELF1 (2.3)	FEN1 (2.3)
TBL2 (2.5)	GPAM (2.5)	POLR1A (2.3)	BUD13 (2.3)	CAD (2.2)
IMMT (4.6)	PTPMT1 (3.7)	MRPL33 (3.2)	PTCD3 (2.9)	NR0B2 (2.4)
NR1H3 (3.2)	ACP2 (2.8)	BLK (2.5)	ZDHHC18 (2.3)	APOC1 (2.2)
SFN (2.4)	ENSG00000255020 (2	C8orf49 (2.2)	SIDT2 (2.2)	ENSG00000235545 (2
APOC4 (4.2)	NAGS (3.9)	HGFAC (3.8)	ABHD1 (3.7)	ENSG00000236267 (3
FNBP4 (2.6)	TMED5 (2.4)	CAD (2.4)	SLC5A6 (2.3)	PPM1G (2.3)
CYP26A1 (2.7)	ENSG00000254235 (2	KANK2 (2.4)	GATA4 (2.3)	TAGLN (2.2)
STRC (3.2)	SOST (2.9)	CYP26A1 (2.9)	HAPLN4 (2.8)	MLXIPL (2.6)
SIDT2 (1.7)	ENSG00000236827 (1	GALNT2 (1.6)	BUD13 (1.6)	CYP7A1 (1.6)
SIDT2 (1.7)	ENSG00000236827 (1	GALNT2 (1.6)	BUD13 (1.6)	CYP7A1 (1.6)
GPAM (3.4)	MTCH2 (2.9)	PTCD3 (2.9)	LPL (2.9)	MRPL35 (2.8)
CLPTM1 (4.4)	TMED5 (4.4)	ATP13A1 (4.3)	TMEM214 (4.2)	C2orf28 (4.1)
BCL3 (2.9)	ZNF513 (2.8)	ENSG00000257711 (2	TSSK6 (2.3)	KDM3A (2.2)
ANGPTL4 (2.0)	SIK3 (1.8)	TECTB (1.7)	TMEM101 (1.6)	C17orf105 (1.6)
IGF2R (2.6)	PGS1 (2.5)	RSPO3 (2.4)	SDC1 (2.3)	RFX4 (2.2)
NAT2 (2.6)	DNAJC5G (2.3)	C17orf105 (2.3)	ENSG00000223745 (2	APOC3 (2.1)
RSPO3 (2.6)	ATG4C (2.4)	GATAD2A (2.2)	LRP4 (2.1)	FZD9 (2.1)
MTF2 (3.0)	ENSG00000223745 (3	ENSG00000200241 (3	BUD13 (2.8)	GTF3C2 (2.8)
KRTCAP3 (2.6)	ENSG00000253379 (2	CITED2 (2.3)	RSPO3 (2.3)	C8orf49 (2.2)
C19orf80 (3.0)	HAPLN4 (2.8)	GPAM (2.4)	C2orf53 (2.1)	NR0B2 (2.1)
NAT2 (2.8)	LPAL2 (2.0)	PGS1 (2.0)	DHODH (1.9)	ANGPTL3 (1.8)
ANGPTL4 (3.5)	PGS1 (2.9)	ENSG00000200241 (2	LPL (2.7)	CSGALNACT1 (2.3)
GMIP (2.3)	LINC00208 (2.2)	SDCBP (2.2)	PTPRJ (2.1)	DUSP3 (1.8)
PGS1 (2.2)	LPAR2 (2.2)	SPG11 (2.1)	KRTCAP3 (1.9)	BMPR2 (1.8)
GMIP (2.4)	ARID1A (2.3)	ENSG00000182319 (2	PCIF1 (2.2)	DOCK6 (2.0)
ARID1A (2.1)	TIMD4 (2.1)	SDCBP (2.1)	TDH (2.0)	ENSG00000255020 (2
ENSG00000223522 (3	ENSG00000236267 (2	ABO (2.0)	ENSG00000257711 (2	MLXIPL (1.9)

EPB41L3 (2.6)	GMIP (2.5)	IZUMO1 (2.4)	SLC22A3 (2.2)	ENSG00000236827 (2
ACP2 (2.4)	DDB2 (2.3)	CETP (2.2)	SLC5A6 (2.0)	NR1H3 (1.9)
NRBP1 (3.1)	ARFGAP2 (3.0)	PPM1G (2.8)	KBTBD4 (2.8)	NDUFS3 (2.7)
APOE (2.4)	ANGPTL4 (2.4)	NR1H3 (2.3)	APOC1 (2.1)	ACP2 (2.1)
TOMM40 (3.4)	EIF3J (3.0)	CAD (2.7)	DHX38 (2.6)	PPM1G (2.6)
PMFBP1 (2.3)	MAPK10 (2.3)	TRIB1 (2.2)	ENSG00000226645 (2	PPIP5K1 (2.1)
NEIL2 (2.3)	MFAP1 (2.3)	CITED2 (2.2)	IMMT (2.2)	MTMR9 (2.1)
ARID1A (2.3)	CGREF1 (2.2)	SOST (2.2)	SDCBP (2.2)	FADS2 (2.0)
CD300LG (2.8)	NR1H3 (2.3)	ABCA1 (2.2)	BCAM (2.1)	APOE (2.1)
CETP (2.4)	NFE2L3 (2.1)	TDH (2.0)	TIMD4 (1.9)	KANK2 (1.9)
EMILIN1 (2.4)	TAGLN (2.1)	HARBI1 (2.1)	AGBL2 (2.0)	STRC (1.9)
PTCD3 (3.4)	MRPL35 (3.4)	VEGFA (2.6)	CLPTM1 (2.4)	LPL (2.3)
LPAL2 (2.0)	SLC30A3 (1.9)	ENSG00000235545 (1	NAT2 (1.6)	KLF14 (1.6)
CETP (2.6)	TIMD4 (2.5)	GMIP (2.0)	HAVCR1 (1.9)	C8orf12 (1.9)
APOE (2.6)	APOC1 (2.3)	ACP2 (2.3)	ANGPTL4 (2.2)	NR1H3 (2.2)
APOE (2.6)	APOC1 (2.3)	ACP2 (2.3)	ANGPTL4 (2.2)	NR1H3 (2.2)
NSMAF (1.9)	AFF1 (1.8)	BCL3 (1.8)	GMIP (1.6)	MADD (1.6)
DOCK6 (2.6)	FRMD5 (2.5)	LRP4 (2.4)	LPL (2.3)	GALNT2 (2.2)
GPAM (3.3)	CD300LG (2.8)	RSPO3 (2.4)	CETP (2.4)	TIMD4 (2.1)
ARFGAP2 (3.0)	ZDHHC18 (3.0)	CASC4 (2.8)	CYP7A1 (2.6)	TMEM101 (2.5)
CCDC92 (2.2)	GMIP (2.1)	C2orf16 (1.8)	DOCK6 (1.6)	ENSG00000257711 (1
DOCK6 (3.0)	NR1H3 (2.8)	LPL (2.5)	ZNF664 (2.4)	BRE (2.3)
FUT1 (2.3)	NR0B2 (2.3)	COBLL1 (2.2)	TM6SF2 (2.1)	C19orf80 (1.9)
SOST (3.1)	CYP26A1 (3.0)	LRP4 (2.8)	ENSG00000253379 (2	PTPN13 (2.1)
TOMM40 (3.5)	IMMT (3.3)	EIF3J (3.3)	MRPL35 (3.2)	NDUFS3 (3.1)
ENSG00000223745 (3	GTF3C2 (3.1)	ZNF664 (3.0)	ARFGAP2 (2.9)	TMEM214 (2.8)
COBLL1 (2.5)	SLC22A3 (2.4)	ZNF664 (2.1)	C2orf28 (1.9)	ABO (1.8)
GMIP (2.6)	JMJD1C (2.4)	LRP4 (2.3)	BCL3 (2.3)	IGF2R (2.2)
SIK3 (2.3)	MAPRE3 (2.0)	MAPK10 (2.0)	ENSG00000226645 (1	RFX4 (1.8)
ENSG00000234945 (2	HP (2.1)	ZNF513 (1.9)	MFAP1 (1.9)	ENSG00000182329 (1
PTPMT1 (2.7)	MRPL35 (2.7)	GPAM (2.6)	RBKS (2.5)	FADS1 (2.5)
TIMD4 (3.0)	CTSB (2.9)	BCAM (2.8)	REEP3 (2.7)	APOE (2.2)
PTPRJ (2.7)	PBX4 (2.5)	ARID1A (2.4)	BMPR2 (2.3)	SIK3 (2.2)
APOA4 (3.1)	NR0B2 (2.9)	MLXIPL (2.6)	NAT2 (2.4)	TM6SF2 (2.4)
ENSG00000200241 (2	BUD13 (2.8)	AGBL5 (2.6)	TP53BP1 (2.2)	CITED2 (2.2)
TM6SF2 (2.6)	SIDT2 (2.5)	ZDHHC18 (2.4)	IGF2R (2.3)	PREB (2.3)
ZNF513 (2.5)	FAM167A (2.2)	PIGV (2.2)	MAFF (1.9)	TMED5 (1.8)
STRC (2.0)	MAFF (1.9)	VEGFA (1.7)	SDCBP (1.7)	PLA2G6 (1.6)
CYP26A1 (2.7)	EPB41L3 (2.5)	DPYSL5 (2.5)	PLTP (2.3)	FAM167A (2.2)
KDM3A (3.2)	SIK3 (2.8)	HAVCR1 (2.8)	PTPMT1 (2.6)	TRIB1 (2.6)
CSGALNACT1 (2.0)	AFF1 (2.0)	CETP (1.7)	IZUMO1 (1.7)	TIMD4 (1.6)
ZNF335 (2.5)	AFF1 (2.4)	AMBRA1 (2.4)	KBTBD4 (2.4)	ARHGAP1 (2.3)
GPN1 (3.6)	TOMM40 (3.5)	PTCD3 (3.3)	EIF3J (3.1)	PPM1G (2.7)
PYY (3.2)	SLC22A1 (3.1)	NAGS (2.7)	CYP7A1 (2.7)	APOC3 (2.6)
CSGALNACT1 (2.4)	ZNF664 (2.4)	LINC00208 (2.3)	TAGLN (2.0)	LPL (2.0)
KRTCAP3 (2.3)	TIMD4 (2.1)	KDM3A (2.1)	C11orf9 (2.1)	C2orf16 (2.1)
LRP4 (2.4)	PDIA3 (2.3)	TRIB1 (2.1)	CKAP5 (2.0)	CITED2 (2.0)
FRMD5 (2.5)	RFX4 (2.5)	DPYSL5 (2.4)	AGBL5 (2.2)	LRP4 (1.9)
BUD13 (2.8)	DHX38 (2.8)	PCIF1 (2.7)	USP1 (2.6)	INTS10 (2.5)
CASC4 (2.1)	TMED5 (2.1)	PTPMT1 (2.1)	MRPL35 (1.9)	APOC1 (1.7)

GPAM (3.2)	ANGPTL3 (3.1)	MTCH2 (3.0)	KHK (2.9)	SLC22A1 (2.8)
FNBP4 (2.6)	BCL3 (2.3)	IMMT (2.2)	PTCD3 (2.0)	POLR1A (2.0)
CKAP5 (2.4)	WDR76 (2.4)	ANGPTL4 (2.2)	TRIB1 (2.1)	PPM1G (2.1)
ANGPTL4 (3.7)	IFT172 (2.9)	DHODH (2.6)	FUT2 (2.5)	PPIP5K1 (2.5)
HP (3.0)	APOC4 (3.0)	HGFAC (2.7)	LPL (2.6)	F2 (2.4)
BCL3 (2.8)	GMIP (2.8)	NFE2L3 (2.5)	PBX4 (2.5)	KLF14 (2.2)
AFF1 (2.4)	CELF1 (2.2)	ARID1A (2.2)	DDB2 (2.2)	BCL7B (2.1)
SLC22A1 (2.6)	C8orf49 (2.5)	C19orf80 (2.5)	APOA5 (2.5)	CYP7A1 (2.5)
FZD9 (2.4)	CCDC121 (2.4)	EMILIN1 (2.2)	CHMP3 (2.1)	PTPN13 (2.1)
CELF1 (2.9)	ZNF335 (2.8)	AFF1 (2.6)	DOCK7 (2.6)	BAZ1B (2.5)
GALNT2 (2.3)	SDC1 (2.2)	JMJD1C (2.1)	SFN (2.0)	AFF1 (2.0)
EMILIN1 (2.7)	TAGLN (2.7)	BCAM (2.5)	TRIB1 (2.5)	CILP2 (2.4)
PGS1 (1.9)	BCL3 (1.9)	CTSB (1.8)	REEP3 (1.8)	GMIP (1.7)
GMIP (2.9)	SDCBP (2.5)	GTF3C2 (2.1)	ENSG00000234945 (1	AMBRA1 (1.8)
GMIP (2.0)	REEP3 (1.9)	RASIP1 (1.9)	CTSB (1.8)	ENSG00000254235 (1
PTPN13 (3.0)	CMIP (3.0)	DOCK6 (3.0)	FUT1 (2.9)	KRTCAP3 (2.9)
BCL3 (4.0)	DUSP3 (2.8)	BRE (2.5)	FGF21 (2.5)	ABHD1 (2.1)
PTPRJ (2.5)	MTMR9 (2.3)	CMIP (2.3)	BCAM (2.3)	TBL2 (2.3)
ENSG00000257711 (2	KLF14 (1.8)	GMIP (1.7)	CD300LG (1.6)	TRIB1 (1.5)
APOE (3.2)	PLTP (3.0)	BCAM (2.8)	FZD9 (2.5)	LPL (2.3)
AMBRA1 (3.2)	CELF1 (2.9)	PCIF1 (2.7)	ABO (2.5)	GTF3C2 (2.4)
C8orf49 (2.4)	CYP26A1 (2.1)	SDC1 (2.0)	CITED2 (2.0)	PVRL2 (1.9)
C8orf49 (2.2)	TAGLN (2.1)	ENSG00000256731 (2	ATG4C (1.8)	ENSG00000182319 (1
IFT172 (2.7)	ARFGAP2 (2.7)	SNX17 (2.4)	PPIP5K1 (2.4)	C2orf28 (2.3)
CYP26A1 (4.0)	ENSG00000256746 (3	PTPN13 (2.8)	C11orf9 (2.7)	SOST (2.6)
IMMT (4.6)	PTPMT1 (3.8)	MRPL33 (3.5)	PTCD3 (2.7)	C2orf28 (2.4)
APOC4 (2.4)	LIPC (2.3)	C19orf80 (2.2)	HGFAC (2.2)	BLK (2.1)
CYP26A1 (2.5)	CILP2 (2.3)	ENSG00000253379 (2	C1QTNF4 (2.3)	PYY (2.2)
ZNF259 (2.6)	EIF2B4 (2.5)	GTF3C2 (2.4)	RIC8B (2.3)	TOMM40 (2.3)
TIMD4 (2.9)	BCL3 (2.7)	ZDHHC18 (2.5)	ABCA1 (2.1)	PTPRJ (2.0)
CILP2 (2.7)	TECTB (2.3)	BCL3 (2.1)	EMILIN1 (2.1)	NCAN (2.1)
BNC2 (2.4)	EMILIN1 (2.3)	IGF2R (2.2)	BCAM (2.1)	COBLL1 (1.7)
TIMD4 (2.6)	LPL (2.3)	CILP2 (2.2)	DHODH (2.2)	LPA (2.1)
C1orf172 (3.7)	STRC (3.1)	APOC1 (2.7)	CSGALNACT1 (2.5)	NR1H3 (2.1)
UCN (2.1)	ARFGAP2 (2.0)	ENSG00000256731 (2	TMEM101 (1.9)	FGF21 (1.8)
C1QTNF4 (2.8)	MAPK10 (2.6)	LIPC (2.2)	APOC4 (2.2)	MAPRE3 (2.0)
APOA1 (3.6)	APOB (3.5)	TM6SF2 (3.3)	MLXIPL (2.8)	CYP26A1 (2.6)
ZNF512 (2.9)	NOP58 (2.8)	ARID1A (2.7)	PPM1G (2.7)	SUGP1 (2.6)
UBXN2B (2.6)	NRBF2 (2.6)	NAT2 (2.4)	PIGV (2.1)	C2orf53 (1.9)
SFN (3.7)	FUT1 (3.2)	SDC1 (3.0)	PTPN13 (2.9)	ENSG00000182319 (2
BMPR2 (2.1)	KDM3A (2.1)	PCIF1 (2.0)	EMILIN1 (2.0)	KANK2 (1.9)
BUD13 (3.0)	GTF3C2 (3.0)	NOP58 (2.8)	DHX38 (2.8)	USP1 (2.8)
SIDT2 (2.4)	C11orf9 (2.1)	RBKS (2.0)	ENSG00000182329 (1	EMILIN1 (1.9)
CTDSPL2 (3.3)	DOCK7 (3.2)	GTF3C2 (3.2)	BUD13 (3.2)	GPN1 (2.9)
NAGS (2.6)	KHK (2.5)	APOC3 (2.3)	FRMD5 (2.3)	C2orf53 (2.2)
BUD13 (3.1)	MFAP1 (3.0)	MTF2 (2.8)	ZNF259 (2.6)	GPN2 (2.6)
FUT1 (1.8)	SLC22A3 (1.8)	TRIB1 (1.6)	CITED2 (1.6)	BLK (1.6)
CKAP5 (2.6)	ENSG00000254235 (2	FAM167A (2.4)	DOCK7 (2.3)	PIGV (2.2)
GTF3C2 (3.1)	CELF1 (2.9)	BAZ1B (2.8)	PTCD3 (2.5)	RIC8B (2.3)
SLC22A3 (2.3)	NAT2 (2.2)	ZNF664 (2.2)	FGF21 (1.9)	DOCK6 (1.9)

LRP4 (2.9)	CILP2 (2.7)	MAPRE3 (2.4)	VEGFA (2.3)	BCAM (2.1)
TSSK6 (2.3)	COBLL1 (2.2)	UCN (2.0)	PLA2G6 (1.9)	NR1H3 (1.8)
LIPC (2.3)	APOC4 (2.2)	HP (2.2)	HGFAC (2.1)	ANGPTL3 (2.0)
ABHD1 (1.9)	CITED2 (1.7)	CGREF1 (1.7)	REEP3 (1.6)	ENSG00000223522 (1
GPN1 (3.3)	DHODH (3.1)	DHX38 (2.9)	TOMM40 (2.6)	NUP160 (2.5)
PIGV (2.8)	GPAM (2.2)	TXNL4B (2.1)	PPIP5K1 (2.1)	ACP2 (2.0)
SOST (3.0)	CYP26A1 (2.5)	RSPO3 (2.2)	ENSG00000236827 (2	SIDT2 (2.1)
DHX38 (3.0)	ARID1A (2.7)	USP1 (2.6)	GATAD2A (2.5)	SUGP1 (2.5)
ENSG00000182319 (2	LPL (2.1)	AFF1 (2.0)	BLK (2.0)	SLC22A3 (1.8)
C1QTNF4 (2.4)	ENSG00000253379 (2	PYY (2.2)	PACSIN3 (2.0)	CSGALNACT1 (2.0)
PTPN13 (2.2)	LPL (2.0)	SLC5A6 (1.8)	SDCBP (1.8)	REEP3 (1.8)
ENSG00000226645 (2	PVRL2 (2.2)	BMPR2 (2.1)	SOST (1.9)	NAT2 (1.8)
RSPO3 (2.4)	NR1H3 (2.4)	TAGLN (2.0)	APOA4 (2.0)	ENSG00000222035 (1
IZUMO1 (1.9)	ENSG00000236827 (1	CD300LG (1.8)	LINC00208 (1.7)	NFE2L3 (1.7)
SFN (3.4)	FUT1 (3.1)	LPAR2 (2.8)	SDC1 (2.8)	ENSG00000182319 (2
ENSG00000200241 (2	PCIF1 (2.2)	CATSPER2 (2.1)	SUMO1 (1.9)	LPL (1.9)
SOST (2.4)	ZDHHC18 (2.1)	GMIP (1.9)	C19orf80 (1.7)	APOC1 (1.6)
SDC1 (3.1)	CYP26A1 (2.5)	COBLL1 (2.2)	TAGLN (2.1)	SIDT2 (1.9)
ENSG00000236267 (2	HAPLN4 (2.5)	SLC5A6 (2.4)	TUBGCP4 (2.4)	CSGALNACT1 (2.3)
FADS1 (2.8)	CYP7A1 (2.8)	APOA5 (2.7)	C2orf53 (2.7)	KHK (2.6)
IMMT (2.7)	ANGPTL4 (2.6)	SPG11 (2.5)	VEGFA (2.4)	FGF21 (2.4)
KRTCAP3 (4.1)	FUT1 (3.4)	SDC1 (3.0)	ENSG00000182319 (2	PTPN13 (2.3)
KBTBD4 (2.1)	ZNF512 (2.0)	CELF1 (1.9)	ENSG00000256746 (1	MAP1A (1.8)
OST4 (2.4)	ATP13A1 (2.4)	CAD (2.4)	EIF3J (2.4)	DHX38 (2.3)
OST4 (2.4)	ATP13A1 (2.4)	CAD (2.4)	EIF3J (2.4)	DHX38 (2.3)
JMJD1C (2.7)	BAZ1B (2.6)	IGF2R (2.6)	BRE (2.6)	ENSG00000254235 (2
PVRL2 (2.2)	FGF21 (2.1)	ARHGAP1 (2.0)	FUT2 (1.9)	EMILIN1 (1.8)
PACSIN3 (2.3)	EPB41L3 (2.0)	FRMD5 (2.0)	C8orf12 (1.9)	LINC00208 (1.9)
MTCH2 (2.5)	CATSPER2 (2.5)	KDM3A (2.4)	DOCK7 (2.4)	NEIL2 (2.4)
MAMSTR (2.9)	EMILIN1 (2.6)	CYP26A1 (2.2)	IFT172 (2.1)	CILP2 (2.1)
CSGALNACT1 (3.0)	INTS10 (2.7)	AGBL2 (2.6)	FZD9 (2.3)	LINC00208 (2.2)
LINC00208 (3.6)	SFN (3.2)	GALNT2 (2.8)	TBL2 (2.7)	CSGALNACT1 (2.6)
LSM12 (2.4)	ENSG00000254235 (2	PBX4 (2.2)	GMIP (2.1)	ZNF664 (2.0)
TIMD4 (1.9)	PBX4 (1.9)	ENSG00000254235 (1	NFE2L3 (1.8)	C2orf16 (1.7)
ZDHHC18 (2.2)	ENSG00000257711 (2	NFE2L3 (2.1)	BLK (2.0)	TECTB (2.0)
PDIA3 (3.0)	G6PC3 (2.9)	TMEM101 (2.9)	ATP13A1 (2.8)	GALNT2 (2.7)
KHK (2.8)	BRE (2.7)	PTCD3 (2.4)	MLXIPL (2.3)	GPAM (2.3)
TIMD4 (2.1)	CETP (2.1)	PTPMT1 (2.0)	SLC22A1 (2.0)	HP (1.8)
ENSG00000253379 (2	MAPK10 (2.2)	ENSG00000256746 (2	LPAL2 (2.0)	FDFT1 (1.9)
TUBGCP4 (2.2)	ANGPTL4 (2.2)	PTPRJ (2.1)	SPG11 (1.9)	CETP (1.9)
PPM1G (2.8)	LSM12 (2.7)	ZNF512 (2.7)	ARID1A (2.6)	USP1 (2.6)
ENSG00000223745 (2	ENSG00000234945 (1	C17orf105 (1.7)	GPAM (1.6)	C1orf172 (1.6)
NSMAF (2.8)	AFF1 (2.7)	ARID1A (2.7)	JMJD1C (2.6)	NAT2 (2.2)
FAM167A (2.0)	IFT172 (2.0)	APOE (1.9)	BCL3 (1.8)	CMIP (1.6)
PACSIN3 (2.7)	BMPR2 (2.6)	IGF2R (2.6)	LPAR2 (2.6)	FAM167A (2.4)
ENSG00000256731 (3	GCKR (3.6)	AGBL2 (3.3)	ENSG00000179523 (3	HGFAC (3.2)
CILP2 (2.4)	MAU2 (2.3)	IGF2R (2.2)	INTS10 (2.2)	BLK (2.2)
ARID1A (2.8)	HARBI1 (2.6)	ARFGAP2 (2.6)	PACSIN3 (2.5)	ZNF408 (2.5)
NOP58 (3.0)	ZNF512 (2.9)	NUP160 (2.8)	PCIF1 (2.7)	CELF1 (2.6)
ENSG00000254235 (2	KDM3A (2.2)	ZNF335 (2.1)	DOCK7 (2.1)	GALNT2 (1.9)

IMMT (4.1)	POLR1A (4.0)	TP53BP1 (3.9)	SNX17 (3.7)	PREB (3.5)
PTPN13 (2.6)	GATA4 (2.6)	LSM12 (2.3)	TAGLN (2.3)	IGF2R (2.2)
GMIP (2.8)	LPA (2.2)	CETP (2.1)	ENSG00000236267 (2	ZDHHC18 (2.0)
SFN (3.4)	SDC1 (3.3)	FUT1 (2.7)	BCAM (2.6)	PACSIN3 (2.5)
TMEM101 (3.2)	CCDC121 (3.2)	PLA2G6 (3.1)	CYP7A1 (3.0)	AGBL5 (2.9)
MLXIPL (2.6)	ABO (2.4)	CD300LG (2.3)	HAPLN4 (2.1)	MAPK10 (1.9)
PCIF1 (2.1)	SLC30A3 (2.1)	SLC22A3 (2.0)	CETP (2.0)	ENSG00000182319 (1
LRP4 (3.1)	FAM167A (3.0)	EMILIN1 (2.8)	CGREF1 (2.4)	ENSG00000226645 (2
MAFF (1.7)	NRBF2 (1.6)	MPV17 (1.6)	ATG4C (1.6)	CITED2 (1.6)
IMMT (4.6)	PTPMT1 (3.5)	MRPL33 (3.3)	PTCD3 (2.7)	NR0B2 (2.3)
C1orf172 (2.9)	TAGLN (2.0)	KBTBD4 (2.0)	PYY (2.0)	NFE2L3 (1.9)
SDC1 (3.6)	SFN (3.5)	FUT1 (2.8)	ENSG00000182319 (2	PVRL2 (2.7)
ATG4C (2.9)	TXNL4B (2.7)	SLC5A6 (2.6)	POLR1A (2.5)	HARBI1 (2.3)
ABO (2.3)	NAGS (2.1)	ENSG00000234945 (2	TM6SF2 (2.0)	GCKR (1.8)
FADS2 (2.8)	GTF3C2 (2.7)	DOCK7 (2.6)	AGBL5 (2.6)	MPV17 (2.5)
TRIM54 (2.6)	TIMD4 (2.5)	CSGALNACT1 (2.4)	ARHGAP1 (2.4)	TAGLN (2.3)
GPAM (2.5)	COBLL1 (2.5)	LINC00208 (2.5)	ENSG00000254235 (2	ENSG00000236267 (2
CYP26A1 (2.3)	RASIP1 (2.3)	NSMAF (2.3)	JMJD1C (2.1)	ZNF512 (2.1)
KRTCAP3 (3.4)	SFN (3.2)	SIK3 (3.1)	CMIP (3.1)	FUT1 (2.8)
CMIP (2.4)	CD300LG (2.3)	ABO (2.2)	MAPK10 (1.8)	KLF14 (1.8)
HGFAC (3.1)	LPA (3.0)	APOC4 (2.9)	NAGS (2.8)	GCKR (2.7)
ENSG00000223745 (2	PCSK7 (2.0)	ATG13 (1.9)	APOB (1.9)	C2orf28 (1.9)
PPM1G (2.6)	OST4 (2.5)	TOMM40 (2.3)	PDIA3 (2.2)	ARID1A (2.2)
IZUMO1 (2.3)	PTPN13 (2.2)	BRE (1.9)	PLTP (1.9)	BNC2 (1.8)
TDH (2.6)	BCAM (2.3)	KANK2 (2.2)	SDC1 (2.1)	DOCK6 (2.0)
C17orf105 (2.8)	TSSK6 (2.5)	VEGFA (2.3)	ZNF513 (2.1)	ENSG00000226645 (1
PVRL2 (3.0)	CLPTM1 (2.9)	SDCBP (2.7)	DOCK6 (2.5)	CTSB (2.5)
TMEM175 (2.7)	CYP26A1 (2.5)	ENSG00000253379 (2	C1QTNF4 (2.1)	SDC1 (1.9)
C8orf49 (1.6)	EPB41L3 (1.5)	CETP (1.4)	ENSG00000236827 (1	TRNP1 (1.4)
EMILIN1 (3.6)	TMEM214 (3.2)	TIMD4 (2.8)	PTPRJ (2.4)	CCDC92 (2.3)
PPY (3.9)	NAGS (3.8)	NAT2 (3.6)	APOC3 (2.5)	KHK (2.1)
SOST (3.4)	LPL (3.0)	APOE (2.4)	TAGLN (2.4)	TBL2 (2.1)
DUSP3 (2.9)	ZNF664 (2.8)	DOCK6 (2.7)	PYY (2.5)	ENSG00000182319 (2
ABHD1 (2.4)	FZD9 (2.2)	ENSG00000235545 (2	ENSG00000182329 (2	KRTCAP3 (1.9)
IGF2R (2.8)	ENSG00000253379 (2	RSPO3 (2.4)	APOE (2.4)	ANGPTL4 (2.3)
FGF21 (3.1)	FZD9 (2.7)	KANK2 (2.4)	NR0B2 (2.4)	VEGFA (2.4)
SLC22A1 (2.6)	TIMD4 (2.3)	BLK (2.1)	PTPRJ (2.0)	RBKS (1.9)
TOMM40 (3.6)	GPN1 (3.1)	EIF2B4 (3.1)	DHODH (2.9)	EIF3J (2.9)
NRBP1 (1.9)	AMBRA1 (1.9)	SNX17 (1.7)	ENSG00000182319 (1	TIMD4 (1.6)
OST4 (2.6)	PTCD3 (2.6)	DHODH (2.5)	GPN1 (2.2)	GATAD2A (2.1)
CD300LG (2.5)	ANGPTL4 (2.5)	EPB41L3 (2.4)	PVRL2 (2.3)	ENSG00000254235 (2
ZDHHC18 (2.1)	SIK3 (2.0)	NFE2L3 (2.0)	ABCA1 (1.9)	RBKS (1.9)
RIC8B (2.8)	ZNF512 (2.6)	SUPT7L (2.6)	C2orf28 (2.5)	PTCD3 (2.0)
ANGPTL3 (3.1)	SOST (2.9)	HP (2.9)	APOC4 (2.7)	FZD9 (2.6)
GMIP (2.8)	HAVCR1 (2.2)	IZUMO1 (2.1)	UBXN2B (2.0)	C8orf12 (1.9)
MAP1A (2.6)	PLTP (2.5)	MADD (2.3)	NCAN (2.2)	DUSP3 (2.2)
DPYSL5 (2.5)	ENSG00000255020 (2	EPB41L3 (2.4)	G6PC3 (2.4)	BNC2 (2.4)
TOMM40 (3.3)	DHODH (3.1)	PTCD3 (2.7)	GPN1 (2.7)	EIF2B4 (2.6)
KDM3A (2.8)	MAFF (2.6)	CMIP (2.5)	MAU2 (2.4)	HDAC5 (2.3)
DOCK7 (2.1)	ATG4C (1.9)	MTF2 (1.8)	AGBL5 (1.8)	AMBRA1 (1.8)

APOC1 (3.1)	ACP2 (2.9)	SIDT2 (2.8)	ZNF513 (2.6)	NR1H3 (2.6)
GTF3C2 (3.0)	BAZ1B (3.0)	AFF1 (2.8)	HDAC5 (2.8)	TUBGCP4 (2.5)
GMIP (2.3)	CMIP (2.0)	SLC22A3 (2.0)	CCDC92 (2.0)	UCN (1.9)
ENSG00000254235 (2	DNAJC5G (2.3)	ZNF664 (2.2)	LPAR2 (2.1)	SUMO1 (1.9)
GMIP (2.2)	DOCK6 (2.2)	MAFF (2.2)	GATAD2A (2.0)	ENSG00000182319 (2
GMIP (3.1)	CETP (2.1)	ENSG00000236267 (2	ACP2 (1.9)	NAT2 (1.9)
DOCK7 (2.4)	PIGV (2.2)	PVRL2 (2.1)	SIDT2 (2.1)	ATG4C (2.1)
C19orf80 (2.2)	FAM167A (2.1)	CMIP (2.1)	SLC22A1 (1.9)	CYP7A1 (1.9)
ARID1A (2.3)	JMJD1C (2.3)	CSGALNACT1 (2.3)	LRP4 (2.3)	LPAL2 (2.2)
DHX38 (2.6)	ZNF408 (2.6)	CLPTM1 (2.4)	ZNF335 (2.3)	BUD13 (2.2)
DHX38 (2.6)	ZNF408 (2.6)	CLPTM1 (2.4)	ZNF335 (2.3)	BUD13 (2.2)
BCL3 (2.2)	DR1 (2.1)	TRIB1 (1.9)	ATG4C (1.8)	VEGFA (1.8)
NRBF2 (2.3)	UBXN2B (2.2)	MAFF (2.0)	UCN (1.9)	NSMAF (1.9)
MAFF (2.2)	MAMSTR (2.0)	ANGPTL4 (2.0)	MAP1A (1.8)	ENSG00000253379 (1
BNC2 (2.8)	PTPN13 (2.5)	RSPO3 (2.3)	CYP26A1 (2.2)	PLTP (2.1)
MAFF (3.0)	MTMR9 (2.6)	LPL (2.1)	ZNF513 (2.1)	TRNP1 (1.9)
SDC1 (3.1)	FUT1 (2.9)	MLXIPL (2.5)	REEP3 (2.3)	PPY (2.3)
PPIP5K1 (2.1)	TXNL4B (2.0)	IZUMO1 (2.0)	SIK3 (2.0)	C8orf49 (1.9)
EMILIN1 (2.7)	BNC2 (2.5)	RSPO3 (2.4)	SOST (2.3)	FAM167A (2.2)
KRTCAP3 (3.8)	FUT1 (3.4)	SDC1 (3.3)	PTPN13 (2.6)	CMIP (2.6)
BCAM (3.0)	MAP1A (2.9)	TAGLN (2.7)	MAPK10 (2.5)	VEGFA (2.4)
SDC1 (2.7)	C8orf12 (2.4)	FUT1 (2.1)	PVRL2 (1.9)	CBLC (1.7)
CITED2 (2.9)	ANGPTL4 (2.8)	MAFF (2.6)	DOCK6 (2.2)	VEGFA (2.0)
PPY (2.3)	CITED2 (2.3)	TOMM40 (2.1)	KANK2 (2.1)	NR1H3 (2.1)
RASIP1 (2.6)	APOE (2.3)	DNAH10 (2.2)	CETP (2.1)	APOA5 (1.9)
SFN (3.4)	CMIP (3.3)	LPAR2 (3.0)	REEP3 (2.9)	KRTCAP3 (2.5)
FZD9 (3.0)	EMILIN1 (2.8)	SDC1 (2.6)	ACP2 (2.3)	IGF2R (2.1)
GPN1 (3.4)	DHODH (3.3)	CAD (3.1)	EIF2B4 (3.1)	TOMM40 (3.1)
BCL7B (2.8)	HDAC5 (2.7)	KDM3A (2.6)	GATA4 (2.5)	ZNF335 (2.5)
TDH (1.8)	JMJD1C (1.8)	MAMSTR (1.8)	ENSG00000226645 (1	REEP1 (1.8)
BLK (2.9)	TRIB1 (2.6)	MAFF (2.3)	PBX4 (2.2)	CTSB (2.0)
FADS1 (2.4)	FGF21 (2.1)	REEP1 (1.9)	EPB41L3 (1.8)	C1QTNF4 (1.8)
CBLC (2.8)	BCAM (2.5)	CGREF1 (2.3)	LRP4 (2.3)	APOE (2.2)
C2orf16 (2.5)	DPYSL5 (2.4)	MPP3 (2.4)	CILP2 (2.3)	FNDC4 (2.2)
DNAH10 (2.6)	ENSG00000234945 (2	HARBI1 (2.5)	ENSG00000257711 (2	CSGALNACT1 (2.1)
MLXIPL (2.7)	MAFF (2.7)	PACSIN3 (2.7)	ANGPTL4 (2.6)	DUSP3 (1.9)
DHX38 (2.8)	BUD13 (2.8)	NOP58 (2.7)	GTF3C2 (2.7)	FEN1 (2.6)
DPYSL5 (2.5)	BCAM (2.4)	KLF14 (2.4)	ABO (2.2)	FUT1 (2.2)
TM6SF2 (3.3)	NAT2 (3.3)	ABHD1 (2.7)	C19orf80 (2.4)	SLC22A1 (2.4)
NAT2 (4.0)	ANGPTL3 (4.0)	HGFAC (3.7)	LPAL2 (3.5)	APOA5 (3.5)
GPN1 (3.0)	INTS10 (3.0)	NSMAF (2.8)	DOCK7 (2.8)	KDM3A (2.7)
RASIP1 (2.5)	SDC1 (2.4)	SFN (2.3)	LINC00208 (2.1)	C11orf9 (1.9)
TMED5 (2.1)	PAFAH1B2 (1.8)	ANGPTL3 (1.7)	VEGFA (1.6)	PMFBP1 (1.6)
TOMM40 (4.0)	GPN2 (3.0)	DHX38 (3.0)	CAD (2.9)	ZNF408 (2.7)
LPAR2 (2.4)	PBX4 (2.3)	HDAC5 (2.2)	TRNP1 (2.0)	ZNF408 (2.0)
HAVCR1 (2.5)	APOE (2.4)	NR1H3 (2.2)	SNX17 (2.1)	TIMD4 (2.1)
APOC1 (2.3)	SIDT2 (2.2)	ENSG00000182319 (2	ABCA1 (2.0)	PIGV (1.9)
NAT2 (3.9)	CYP7A1 (3.7)	LPA (3.2)	ABHD1 (2.9)	TM6SF2 (2.6)
DUSP3 (2.9)	NAGS (2.9)	DOCK6 (2.8)	PCSK7 (2.8)	NAT2 (2.7)
PBX4 (2.4)	ARID1A (2.3)	GMIP (2.2)	MTF2 (2.1)	NCAN (1.8)

CILP2 (2.0)	C2orf16 (2.0)	RSPO3 (2.0)	ENSG00000223522 (2	C1QTNF4 (1.9)
ARHGAP1 (2.3)	DOCK7 (2.3)	GMIP (2.3)	ANGPTL4 (2.1)	PTPRJ (2.1)
IGF2R (3.0)	ARID1A (2.8)	NRBP1 (2.5)	HDAC5 (2.5)	ATG13 (2.4)
CMIP (2.3)	ABO (2.3)	RASIP1 (2.2)	VEGFA (2.2)	PVRL2 (2.0)
GPAM (2.5)	APOC4 (2.4)	MLXIPL (2.3)	SLC22A3 (2.1)	MTCH2 (2.1)
NRBF2 (2.6)	DUSP3 (2.3)	NRBP1 (2.0)	MTMR9 (2.0)	SIK3 (1.9)
TOMM40 (3.6)	GPN1 (3.3)	PTCD3 (3.3)	EIF3J (3.0)	SLC5A6 (2.6)
RSPO3 (3.3)	FUT1 (3.0)	KRTCAP3 (3.0)	BCAM (2.9)	PTPN13 (2.9)
STRC (2.6)	CSGALNACT1 (2.5)	NEIL2 (2.4)	GATA4 (2.4)	GALNT2 (2.3)
C2orf16 (2.3)	GMIP (2.2)	PBX4 (1.8)	IZUMO1 (1.8)	CETP (1.8)
CGREF1 (1.7)	DDB2 (1.6)	ABHD1 (1.6)	PDIA3 (1.6)	ENSG00000223522 (1
DDB2 (1.8)	FGF21 (1.8)	ENSG00000223522 (1	PTPRJ (1.8)	PAFAH1B2 (1.7)
MLXIPL (2.4)	PDIA3 (2.4)	C2orf28 (2.3)	NAT2 (2.1)	STRC (2.0)
NRBF2 (2.7)	AFF1 (2.7)	TRIB1 (2.6)	MAFF (2.4)	PCIF1 (2.3)
ABHD1 (2.9)	FADS1 (2.8)	MLXIPL (2.8)	FDFT1 (2.7)	MRPL35 (2.7)
GTF3C2 (3.0)	SUGP1 (2.9)	PCIF1 (2.9)	INTS10 (2.7)	NUP160 (2.7)
GALNT2 (2.2)	C19orf80 (2.0)	HGFAC (2.0)	CILP2 (1.8)	RIC8B (1.8)
SLC5A6 (2.9)	TM6SF2 (2.9)	APOA4 (2.6)	ACP2 (2.2)	CGREF1 (2.1)
GPAM (3.0)	ZNF335 (2.6)	C19orf80 (2.3)	MAPRE3 (2.2)	PCSK7 (2.2)
SUGP1 (3.1)	GATAD2A (2.8)	IMMT (2.6)	PCIF1 (2.5)	ARFGAP2 (2.4)
C11orf9 (2.4)	APOC3 (2.4)	CHMP3 (2.3)	ACP2 (2.2)	NRBP1 (2.2)
PCIF1 (2.4)	C1orf172 (2.4)	ENSG00000226645 (2	USP1 (2.3)	SLC5A6 (2.2)
ENSG00000223522 (2	SUMO1 (2.3)	LSM12 (2.2)	ZNF664 (2.1)	SUPT7L (2.0)
CATSPER2 (2.7)	ENSG00000256731 (2	BCAM (2.6)	SOST (2.5)	COBLL1 (2.4)
TMEM101 (2.6)	C2orf28 (2.6)	REEP3 (2.1)	TXNL4B (1.9)	MRPL33 (1.6)
TRIB1 (2.5)	FGF21 (2.3)	CKAP5 (2.0)	TXNL4B (1.9)	USP1 (1.9)
C2orf16 (1.9)	C8orf12 (1.8)	MPP3 (1.7)	KRTCAP3 (1.6)	PGS1 (1.6)
REEP3 (3.1)	G6PC3 (2.8)	CYP7A1 (2.7)	C2orf28 (2.5)	TMEM214 (2.5)
CILP2 (2.7)	KLF14 (2.4)	PYY (2.4)	FZD9 (2.2)	CYP26A1 (2.1)
PIGV (3.5)	PTPRJ (2.4)	KLF14 (2.4)	NFE2L3 (2.3)	DHX38 (2.1)
GTF3C2 (2.8)	NOP58 (2.8)	PCIF1 (2.7)	DHX38 (2.7)	GATAD2A (2.7)
MTCH2 (3.0)	SNX17 (3.0)	ATP13A1 (2.6)	PTPMT1 (2.6)	NR1H3 (2.5)
PTPN13 (2.5)	PTPRJ (2.3)	BCL3 (2.2)	BLK (2.0)	CETP (2.0)
NOP58 (2.7)	DHX38 (2.4)	CELF1 (2.3)	GATAD2A (2.3)	MFAP1 (2.3)
CLPTM1 (3.4)	ATP13A1 (3.3)	DUSP3 (2.9)	MPV17 (2.9)	IGF2R (2.8)
GTF3C2 (2.7)	ZNF512 (2.7)	PCIF1 (2.6)	ARID1A (2.6)	DHX38 (2.5)
ANGPTL4 (2.8)	EMILIN1 (2.4)	MAFF (2.4)	CTSB (2.4)	DDB2 (2.2)
CYP7A1 (2.4)	GPAM (2.2)	APOA1 (1.7)	LPAR2 (1.7)	KBTBD4 (1.7)
C19orf80 (2.7)	LPL (2.5)	PREB (2.4)	CD300LG (2.4)	NR1H3 (2.3)
AGBL5 (2.2)	GPN2 (2.2)	PIGV (2.1)	SLC22A3 (2.0)	ZNF408 (1.9)
TOMM40 (2.4)	PDIA3 (2.3)	NDUFS3 (2.0)	CITED2 (2.0)	SNX17 (1.9)
TRIM54 (3.3)	DUSP3 (2.8)	PACSIN3 (2.8)	SFN (2.5)	REEP1 (2.4)
USP1 (3.0)	ZNF512 (2.8)	DHX38 (2.7)	BUD13 (2.7)	PCIF1 (2.5)
FRMD5 (2.7)	BMPR2 (2.3)	RSPO3 (2.1)	JMJD1C (2.1)	SOST (2.0)
ATP13A1 (3.8)	ZNF259 (3.7)	EIF3J (3.6)	PPM1G (3.4)	PTCD3 (3.3)
ABCA1 (1.7)	NFE2L3 (1.7)	UCN (1.6)	ZNF664 (1.5)	MAMSTR (1.5)
C11orf9 (2.4)	TRNP1 (2.2)	CHMP3 (2.2)	HDAC5 (2.1)	ATG13 (2.0)
ABHD1 (2.2)	C11orf9 (2.2)	CLPTM1 (2.1)	ZDHHC18 (2.1)	LIPC (2.1)
TOMM40 (3.7)	GPN1 (3.5)	DHODH (3.2)	PTCD3 (3.1)	EIF3J (3.0)
BLK (2.3)	SIDT2 (2.1)	C8orf12 (2.0)	EPB41L3 (2.0)	KHK (1.9)

JMJD1C (2.2)	GATAD2A (2.1)	AFF1 (2.1)	CELF1 (1.8)	CYP7A1 (1.8)
CD300LG (2.6)	ZDHHC18 (2.3)	PYY (2.1)	RASIP1 (2.0)	MRPL33 (2.0)
TM6SF2 (2.6)	VEGFA (2.6)	COBLL1 (2.5)	SLC22A3 (2.4)	ABO (2.4)
NRBP1 (2.7)	POLR1A (2.5)	SLC5A6 (2.4)	ENSG00000200241 (2	PTCD3 (2.3)
CYP26A1 (2.6)	TECTB (2.6)	LRP4 (2.5)	STRC (2.5)	G6PC3 (2.5)
ANGPTL4 (3.1)	BCAM (2.2)	RSPO3 (2.2)	PVRL2 (2.1)	ENSG00000182319 (2
ENSG00000182319 (2	KLF14 (2.1)	CELF1 (2.1)	PAFAH1B2 (2.0)	DUSP3 (2.0)
ZNF513 (2.6)	ENSG00000182329 (2	DNAH10 (2.5)	ENSG00000236267 (2	AGBL2 (1.8)
TAGLN (2.5)	ANGPTL4 (2.5)	DOCK6 (2.5)	TBL2 (2.3)	EMILIN1 (2.2)
ZNF513 (2.7)	NRBF2 (2.4)	MAFF (2.2)	TRIB1 (2.0)	COBLL1 (2.0)
HP (1.9)	G6PC3 (1.9)	C2orf16 (1.6)	BLK (1.5)	CITED2 (1.5)
APOE (2.3)	APOC4 (2.2)	SDCBP (2.0)	APOC1 (2.0)	PTPRJ (2.0)
PPM1G (3.5)	EIF3J (3.2)	CAD (3.1)	LSM12 (3.1)	PTCD3 (2.9)
REEP3 (2.4)	MAPK10 (2.4)	DPYSL5 (2.2)	ENSG00000256746 (2	MAP1A (2.2)
EIF3J (2.8)	ENSG00000223745 (2	SUPT7L (2.5)	TRIB1 (2.1)	PPM1G (2.0)
GPAM (2.6)	PREB (2.5)	PTCD3 (2.4)	TSSK6 (2.4)	KDM3A (2.4)
GPN1 (3.1)	MRPL35 (2.9)	PPM1G (2.9)	SNX17 (2.8)	NDUFS3 (2.7)
TIMD4 (2.9)	APOC1 (2.9)	PLA2G6 (2.8)	APOE (2.7)	ABCA1 (2.7)
ANGPTL3 (2.6)	NAGS (2.3)	RBKS (2.1)	ENSG00000223745 (2	HGFAC (2.0)
ARID1A (2.8)	SPG11 (2.8)	TMEM214 (2.8)	AFF1 (2.7)	HDAC5 (2.7)
ARID1A (2.1)	GATAD2A (2.1)	AFF1 (2.0)	CYP26A1 (1.9)	MAFF (1.7)
BUD13 (2.8)	ZNF408 (2.8)	PGS1 (2.7)	DHX38 (2.6)	KBTBD4 (2.6)
GATAD2A (2.3)	IMMT (2.3)	EIF3J (2.3)	MTF2 (2.1)	GPN2 (2.1)
SUGP1 (2.8)	ZNF408 (2.7)	KDM3A (2.6)	MFAP1 (2.6)	C1QTNF4 (2.3)
G6PC3 (2.2)	FADS1 (2.2)	PLA2G6 (2.2)	TMEM214 (2.1)	REEP3 (2.0)
APOE (2.3)	NCAN (2.3)	KRTCAP3 (2.2)	ENSG00000236827 (2	ENSG00000255020 (2
C8orf12 (2.4)	ENSG00000226645 (2	ZDHHC18 (2.2)	ZNF408 (2.1)	KRTCAP3 (2.1)
LPA (3.8)	APOC4 (3.4)	APOA5 (3.3)	GCKR (2.4)	TM6SF2 (2.3)
LPL (2.3)	ENSG00000179523 (2	ENSG00000222035 (2	CCDC121 (2.0)	MAFF (2.0)
NRBP1 (3.2)	MADD (3.1)	PCSK7 (3.1)	SNX17 (2.9)	AGBL5 (2.6)
CLPTM1 (4.1)	TMEM214 (3.7)	TBL2 (3.7)	PREB (3.5)	PDIA3 (3.5)
SFN (3.2)	PPIP5K1 (3.2)	LPAR2 (2.9)	SDC1 (2.9)	FUT1 (2.6)
TAGLN (2.5)	SFN (2.3)	NR1H3 (2.1)	DNAJC5G (2.1)	SIDT2 (2.0)
CETP (2.5)	TECTB (2.2)	ZDHHC18 (2.1)	BCL3 (2.1)	PTPRJ (2.1)
TOMM40 (2.6)	MRPL33 (2.4)	C2orf28 (2.3)	MRPL35 (2.2)	FUT2 (2.1)
NOP58 (3.7)	GPN1 (3.6)	EIF2B4 (3.6)	TOMM40 (3.4)	DHX38 (3.3)
PCIF1 (2.0)	FNBP4 (2.0)	BAZ1B (2.0)	ENSG00000234945 (1	KDM3A (1.9)
CELF1 (2.5)	CD300LG (2.4)	TRIM54 (2.3)	RIC8B (2.1)	PVRL2 (2.1)
NUP160 (2.5)	FEN1 (2.5)	MTF2 (2.3)	DHX38 (2.3)	DDB2 (2.3)
LPAR2 (2.4)	MAFF (2.2)	REEP3 (2.2)	ENSG00000223522 (2	SDCBP (2.0)
ZNF513 (2.6)	GMIP (2.5)	NRBF2 (2.1)	SDCBP (2.1)	JMJD1C (1.9)
LRP4 (3.6)	SOST (2.9)	SDC1 (2.4)	EMILIN1 (2.3)	RSPO3 (2.1)
CGREF1 (2.7)	AGBL2 (2.7)	FUT2 (2.5)	APOA4 (2.5)	APOC4 (2.2)
PREB (5.0)	TMED5 (4.1)	EIF3J (4.0)	OST4 (3.8)	C2orf28 (3.0)
ATP13A1 (2.8)	RIC8B (2.5)	SDC1 (2.4)	RFX4 (2.2)	G6PC3 (2.1)
FNDC4 (2.1)	ENSG00000179523 (1	CATSPER2 (1.9)	ABHD1 (1.9)	FRMD5 (1.8)
PYY (2.4)	C2orf16 (2.3)	TRNP1 (2.2)	EPB41L3 (2.0)	ENSG00000236827 (1
EMILIN1 (3.4)	TRIM54 (3.3)	KANK2 (3.3)	SFN (2.9)	ENSG00000182319 (2
GALNT2 (2.1)	BMPR2 (2.1)	TRNP1 (2.1)	NAT2 (2.0)	DOCK6 (2.0)
ZNF512 (2.3)	PGS1 (2.3)	AFF1 (2.1)	AMBRA1 (2.0)	ZNF335 (1.9)

HARBI1 (2.7)	AMBRA1 (2.6)	SLC22A3 (2.4)	GPN2 (2.3)	AGBL2 (2.2)
NSMAF (1.9)	POLR1A (1.9)	SUMO1 (1.8)	ATP13A1 (1.8)	PPM1G (1.7)
RIC8B (2.6)	UBXN2B (2.4)	PTPMT1 (2.3)	NDUFS3 (1.9)	LPL (1.9)
ANGPTL4 (3.0)	CBLC (2.6)	MPP3 (2.5)	BCAM (2.5)	ENSG00000182319 (2
PTPN13 (3.1)	GATA4 (3.1)	MYBPC3 (3.0)	MPP2 (2.3)	DUSP3 (2.3)
MAFF (3.0)	ABCA1 (2.3)	C2orf16 (2.0)	CASC4 (1.9)	LINC00208 (1.9)
CMIP (2.2)	TMEM214 (2.1)	GMIP (2.0)	SFN (1.9)	CTSB (1.9)
NSMAF (2.1)	GMIP (2.1)	TIMD4 (2.0)	PBX4 (1.9)	ZDHHC18 (1.8)
NFE2L3 (2.4)	GMIP (2.2)	DDB2 (2.2)	MAFF (2.2)	CETP (2.0)
ZNF513 (2.6)	ZNF335 (2.5)	ZNF664 (2.3)	ARID1A (2.2)	JMJD1C (2.2)
ENSG00000226645 (2	BMPR2 (2.1)	MLXIPL (2.0)	CD300LG (2.0)	LRP4 (2.0)
BLK (2.6)	HAVCR1 (2.2)	RBKS (2.1)	PTPRJ (1.8)	MFAP1 (1.8)
BLK (2.6)	HAVCR1 (2.2)	RBKS (2.1)	PTPRJ (1.8)	MFAP1 (1.8)
DOCK7 (2.6)	PTPN13 (2.4)	SDCBP (2.0)	MPV17 (1.9)	ENSG00000235545 (1
MAFF (2.1)	DUSP3 (2.0)	CMIP (1.9)	UBXN2B (1.9)	CYP7A1 (1.9)
ENSG00000256746 (2	BCAM (2.3)	MYBPC3 (2.2)	DNAJC5G (2.0)	C8orf49 (1.9)
TUBGCP4 (2.4)	MAPRE3 (2.3)	SIDT2 (2.1)	DOCK7 (2.0)	REEP3 (2.0)
BUD13 (2.5)	MRPL33 (2.2)	PPM1G (2.1)	LSM12 (2.1)	SUMO1 (2.1)
FUT2 (2.6)	RASIP1 (2.5)	ABCA1 (2.3)	SDCBP (2.3)	ZNF512 (2.0)
GPN1 (2.7)	TMED5 (2.6)	TOMM40 (2.6)	TMEM214 (2.5)	PDIA3 (2.5)
PPM1G (2.8)	GPN1 (2.7)	FNBP4 (2.6)	ZNF259 (2.6)	TXNL4B (2.5)
TRIB1 (2.4)	C8orf49 (2.4)	BCL3 (2.4)	BMPR2 (2.0)	PGS1 (2.0)
PTCD3 (3.3)	TOMM40 (3.2)	EIF2B4 (3.1)	ATP13A1 (2.9)	SUGP1 (2.9)
PTCD3 (3.3)	TOMM40 (3.2)	EIF2B4 (3.1)	ATP13A1 (2.9)	SUGP1 (2.9)
PTCD3 (3.3)	TOMM40 (3.2)	EIF2B4 (3.1)	ATP13A1 (2.9)	SUGP1 (2.9)
PLTP (2.2)	EPB41L3 (2.0)	CMIP (2.0)	RSPO3 (2.0)	APOC1 (2.0)
TOMM40 (2.8)	PTCD3 (2.7)	DHX38 (2.3)	PPM1G (2.3)	IMMT (2.2)
TOMM40 (2.8)	PTCD3 (2.7)	DHX38 (2.3)	PPM1G (2.3)	IMMT (2.2)
TOMM40 (2.8)	PTCD3 (2.7)	DHX38 (2.3)	PPM1G (2.3)	IMMT (2.2)
CGREF1 (1.8)	PDIA3 (1.6)	CETP (1.6)	DDB2 (1.6)	ABHD1 (1.5)
EIF2B4 (3.4)	PPM1G (3.1)	CAD (3.1)	KBTBD4 (3.0)	ARFGAP2 (2.8)
ANGPTL4 (2.8)	MYBPC3 (2.3)	CYP26A1 (2.1)	IFT172 (2.0)	IGF2R (2.0)
EIF2B4 (3.0)	PTCD3 (2.5)	CAD (2.3)	SDCBP (2.3)	CITED2 (2.1)
BMPR2 (2.1)	PTPN13 (2.0)	PGS1 (1.9)	NEIL2 (1.8)	BRE (1.8)
CAD (3.5)	EIF3J (3.5)	EIF2B4 (3.5)	GPN1 (3.5)	TOMM40 (3.3)
CASC4 (2.5)	TP53BP1 (2.5)	CD300LG (2.5)	ANGPTL4 (2.4)	SDC1 (2.3)
ENSG00000226645 (2	AMBRA1 (2.2)	MTF2 (2.1)	KDM3A (2.1)	PCIF1 (1.9)
ABHD1 (2.6)	VEGFA (2.3)	TBL2 (2.3)	ENSG00000200241 (2	IFT172 (2.2)
ENSG00000179523 (2	MTMR9 (2.7)	G6PC3 (2.5)	FDFT1 (2.5)	LPAL2 (2.5)
TOMM40 (4.3)	DHODH (3.7)	PTCD3 (3.4)	EIF3J (3.2)	GPN1 (3.1)
DNAJC5G (2.3)	C1orf172 (2.2)	TMEM101 (2.0)	ENSG00000182319 (2	RSPO3 (2.0)
LPAR2 (2.0)	RSPO3 (2.0)	TRIB1 (1.9)	UCN (1.8)	ENSG00000182319 (1
TOMM40 (3.6)	DHODH (3.1)	CAD (3.1)	DHX38 (3.1)	GPN1 (3.0)
ZNF259 (3.8)	GPN1 (3.7)	PTCD3 (3.6)	DHODH (3.5)	NOP58 (3.4)
PTPN13 (2.8)	SDC1 (2.8)	DOCK6 (2.7)	NAGS (2.4)	KRTCAP3 (2.4)
DUSP3 (2.7)	SIDT2 (2.7)	CLPTM1 (2.6)	CCDC92 (2.5)	MPV17 (2.5)
TOMM40 (3.9)	PTCD3 (3.3)	EIF3J (3.1)	GPN1 (3.1)	ZNF408 (2.8)
IGF2R (2.8)	BMPR2 (2.7)	FAM167A (2.6)	AFF1 (2.5)	ZNF335 (2.4)
MYBPC3 (2.6)	CD300LG (2.4)	ENSG00000223745 (2	FRMD5 (2.1)	TSSK6 (2.0)
MTCH2 (2.8)	MRPL35 (2.8)	NDUFS3 (2.7)	CTDSPL2 (2.4)	TBL2 (2.4)

C11orf9 (2.1)	SFN (2.0)	ZNF512 (1.9)	FUT1 (1.9)	SLC30A3 (1.9)
CTSB (3.0)	EPB41L3 (3.0)	PLTP (2.5)	MADD (2.5)	TECTB (2.2)
TOMM40 (3.8)	GPN1 (3.2)	PTCD3 (3.1)	DHX38 (3.0)	EIF3J (3.0)
CSGALNACT1 (2.9)	INTS10 (2.6)	AGBL2 (2.3)	LINC00208 (2.2)	ENSG00000256746 (2
FUT1 (2.1)	CITED2 (1.8)	SDC1 (1.6)	BCAM (1.3)	HAVCR1 (1.3)
TM6SF2 (2.4)	ARHGAP1 (2.4)	APOB (2.3)	TRNP1 (2.1)	DNAJC5G (2.0)
PTCD3 (3.2)	EIF3J (3.0)	GPN1 (2.8)	TOMM40 (2.8)	CAD (2.8)
ATP13A1 (2.9)	ARHGAP1 (2.8)	SUPT7L (2.8)	AMBRA1 (2.8)	ZNF335 (2.8)
SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)	ZNF335 (2.3)	MRPL33 (2.2)
SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)	ZNF335 (2.3)	MRPL33 (2.2)
SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)	ZNF335 (2.3)	MRPL33 (2.2)
SUGP1 (2.6)	DHX38 (2.6)	CLPTM1 (2.3)	ZNF335 (2.3)	MRPL33 (2.2)
EIF2B4 (3.6)	ZNF259 (3.6)	PTCD3 (3.4)	TOMM40 (3.4)	GPN1 (3.3)
LPL (2.2)	TIMD4 (2.2)	ANGPTL4 (2.1)	CD300LG (2.1)	ENSG00000223522 (2
EMILIN1 (2.1)	SDCBP (2.0)	ZNF664 (1.9)	PPIP5K1 (1.9)	GPN2 (1.8)
ZDHHC18 (2.3)	MTF2 (2.3)	ACP2 (2.1)	PCSK7 (1.8)	NFE2L3 (1.6)
GPAM (3.8)	PTPMT1 (3.3)	FGF21 (2.7)	FNDC4 (2.7)	DOCK7 (2.4)
FRMD5 (2.2)	MTCH2 (2.2)	ZNF408 (2.0)	PTPRJ (1.8)	DR1 (1.8)
RIC8B (2.6)	ARHGAP1 (2.4)	BCAM (2.3)	CD300LG (2.2)	WDR76 (2.2)
C1orf172 (2.5)	C2orf28 (2.5)	GPAM (2.5)	C19orf80 (2.3)	CITED2 (2.3)
PACSIN3 (2.2)	PVRL2 (2.2)	RASIP1 (2.1)	RSPO3 (2.1)	ARHGAP1 (2.0)
EPB41L3 (2.7)	RASIP1 (2.5)	LPL (2.4)	TAGLN (2.4)	DOCK6 (2.4)
LPL (2.7)	MLXIPL (2.7)	GPAM (2.4)	NR1H3 (2.4)	CATSPER2 (2.3)
C8orf49 (2.8)	ABO (2.8)	GATA4 (2.4)	TDH (2.0)	SOST (1.9)
REEP3 (2.0)	APOA4 (2.0)	TDH (1.9)	KLF14 (1.9)	LRP4 (1.7)
TOMM40 (2.6)	PTCD3 (2.5)	DHX38 (2.3)	PPM1G (2.3)	CAD (2.3)
KLF14 (2.8)	SLC30A3 (2.0)	PVRL2 (2.0)	LRP4 (2.0)	CYP26A1 (2.0)
REEP3 (2.8)	SNX17 (2.6)	PCIF1 (2.5)	GTF3C2 (2.3)	ZNF335 (2.2)
ZNF408 (3.4)	BUD13 (3.4)	SUGP1 (3.3)	MFAP1 (3.0)	ZNF259 (2.8)
C2orf28 (2.3)	NRBF2 (2.1)	PLTP (2.1)	C17orf105 (2.1)	ENSG00000235545 (2
MAFF (1.9)	TECTB (1.9)	ATG4C (1.9)	HARBI1 (1.8)	C2orf16 (1.8)
ENSG00000253379 (2	TAGLN (2.2)	KLF14 (2.0)	FAM167A (1.8)	BNC2 (1.8)
ZNF512 (2.9)	FEN1 (2.9)	BAZ1B (2.8)	IMMT (2.7)	NUP160 (2.5)
GATAD2A (2.8)	IGF2R (2.3)	PACSIN3 (2.3)	ENSG00000182319 (2	DOCK7 (2.1)
MAFF (2.5)	RIC8B (2.1)	FUT2 (1.9)	DHX38 (1.9)	CLPTM1 (1.9)
HAVCR1 (2.4)	BLK (2.2)	APOE (2.2)	ENSG00000182319 (2	TRNP1 (2.1)
TP53BP1 (3.1)	DOCK7 (2.9)	BAZ1B (2.6)	KBTBD4 (2.5)	AFF1 (2.5)
PACSIN3 (2.6)	ZNF664 (2.5)	DUSP3 (2.5)	BMPR2 (2.4)	ZNF335 (2.3)
CYP7A1 (2.1)	ACP2 (2.0)	LINC00208 (1.8)	C19orf80 (1.8)	ENSG00000236827 (1
ZNF512 (2.8)	DHX38 (2.6)	USP1 (2.5)	GTF3C2 (2.5)	SUGP1 (2.4)
FDFT1 (3.7)	FADS2 (3.4)	FADS1 (3.4)	SDCBP (2.8)	CBLC (2.7)
POLR1A (3.2)	EIF3J (3.2)	CKAP5 (3.2)	NUP160 (3.2)	USP1 (3.0)
GATAD2A (2.4)	ZDHHC18 (2.4)	ENSG00000182319 (2	ATG4C (1.8)	FAM167A (1.7)
GMIP (2.6)	APOC1 (2.3)	DDB2 (2.2)	AFF1 (2.1)	PLTP (2.1)
FGF21 (2.4)	CELF1 (2.3)	PDIA3 (2.2)	KDM3A (2.1)	FADS2 (2.1)
TOMM40 (3.7)	EIF3J (2.8)	DHODH (2.5)	PTCD3 (2.4)	SUGP1 (2.4)
KBTBD4 (2.0)	EIF2B4 (2.0)	ENSG00000226645 (2	MRPL35 (1.9)	APOA5 (1.9)
SFN (3.9)	FUT1 (3.3)	PTPN13 (3.1)	SDC1 (2.9)	FRMD5 (2.5)
LPL (3.0)	PLA2G6 (2.9)	ABCA1 (2.8)	APOE (2.7)	TIMD4 (2.6)
CAD (2.5)	WDR76 (2.5)	PLTP (2.5)	DOCK7 (2.3)	CTDSPL2 (2.2)

SOST (2.5)	AFF1 (2.4)	ARHGAP1 (2.3)	DOCK6 (2.3)	NR0B2 (2.2)
HAVCR1 (2.6)	C2orf53 (2.3)	PTPMT1 (2.1)	NSMAF (1.8)	NFE2L3 (1.8)
MTMR9 (2.1)	MAU2 (2.1)	ARHGAP1 (1.9)	ABO (1.9)	DOCK7 (1.9)
RBKS (2.2)	APOE (2.1)	APOB (1.9)	ENSG00000200241 (1	HP (1.8)
KRTCAP3 (4.2)	FUT1 (3.1)	SDC1 (2.9)	PTPN13 (2.6)	REEP3 (2.5)
RBKS (2.4)	UBXN2B (2.4)	ABO (2.1)	NAT2 (2.1)	TM6SF2 (2.1)
ARFGAP2 (3.6)	STRC (3.2)	TOMM40 (3.1)	AMBRA1 (3.1)	ZNF408 (3.0)
PCIF1 (2.8)	USP1 (2.7)	DHX38 (2.7)	NOP58 (2.7)	INTS10 (2.6)
C11orf9 (2.3)	TMEM175 (2.2)	APOE (2.1)	LPL (1.9)	SFN (1.9)
PTCD3 (3.8)	TOMM40 (3.7)	GPN1 (3.6)	EIF3J (3.5)	EIF2B4 (3.5)
ARID1A (2.9)	USP1 (2.9)	ZNF512 (2.8)	DHX38 (2.6)	CAD (2.6)
SDC1 (2.7)	SOST (2.7)	ENSG00000253379 (2	PTPN13 (2.4)	SIDT2 (2.3)
ENSG00000254235 (3	HGFAC (3.5)	LPA (3.3)	APOA5 (3.3)	ANGPTL3 (3.2)
TOMM40 (3.8)	EIF3J (3.1)	GPN1 (3.1)	PTCD3 (2.9)	DHODH (2.9)
MAU2 (2.2)	SUGP1 (2.2)	ANGPTL4 (2.0)	CITED2 (1.9)	DR1 (1.9)
NAGS (2.0)	TIMD4 (2.0)	PCSK7 (1.8)	CTSB (1.8)	FUT2 (1.8)
C11orf49 (2.2)	CHMP3 (2.1)	ZNF512 (2.1)	RIC8B (2.0)	CLPTM1 (2.0)
AMBRA1 (2.5)	BUD13 (2.3)	NFE2L3 (2.1)	SIDT2 (2.0)	ENSG00000226645 (2
FUT1 (3.6)	BMPR2 (3.1)	REEP3 (2.8)	COBLL1 (2.7)	CBLC (2.5)
NSMAF (2.2)	BCL3 (2.1)	LRP4 (2.1)	FGF21 (2.0)	CSGALNACT1 (2.0)
SIK3 (2.6)	ZDHHC18 (2.5)	UBXN2B (2.2)	CHMP3 (2.0)	CBLC (2.0)
TECTB (2.9)	CYP26A1 (2.7)	CILP2 (2.5)	SOST (2.3)	TMEM101 (2.0)
CETP (3.2)	TRNP1 (2.7)	FGF21 (2.4)	AGBL5 (2.3)	DDB2 (2.3)
CAD (3.0)	ZNF259 (2.7)	GPN1 (2.6)	TOMM40 (2.6)	EIF2B4 (2.6)
ZNF512 (2.0)	TP53BP1 (2.0)	DOCK7 (2.0)	SPG11 (2.0)	TMEM175 (2.0)
PGS1 (2.0)	DNAH10 (2.0)	HAVCR1 (2.0)	MAU2 (1.9)	BCL3 (1.9)
APOE (2.3)	HP (2.2)	F2 (2.2)	DOCK7 (2.0)	IGF2R (1.8)
AFF1 (2.5)	ENSG00000226645 (2	ENSG00000234945 (2	TIMD4 (1.8)	ENSG00000182319 (1
CYP7A1 (2.4)	SUGP1 (2.4)	ZNF259 (2.3)	GPN1 (2.1)	HDAC5 (2.1)
CILP2 (2.6)	LRP4 (2.5)	PTPRJ (2.4)	KANK2 (2.3)	APOE (2.3)
TUBGCP4 (2.6)	SDC1 (2.5)	FUT2 (2.3)	FUT1 (2.2)	BCAM (2.2)
TOMM40 (3.8)	CAD (3.4)	GPN1 (3.4)	PTCD3 (3.3)	DHX38 (3.0)
CBLC (4.5)	PVRL2 (4.3)	SDC1 (4.0)	FUT1 (3.3)	TAGLN (2.8)
BRE (3.3)	TMEM101 (3.0)	HAVCR1 (3.0)	ZNF335 (2.9)	PCSK7 (2.6)
APOA5 (3.1)	APOC4 (3.0)	CYP7A1 (2.9)	LPAL2 (2.4)	TIMD4 (2.2)
PTPN13 (2.9)	SPG11 (2.4)	RSPO3 (2.4)	DPYSL5 (2.4)	EPB41L3 (2.2)
ENSG00000236267 (2	ENSG00000257711 (1	ZDHHC18 (1.9)	TDH (1.8)	IZUMO1 (1.7)
NOP58 (4.2)	EIF2B4 (3.5)	GPN1 (3.3)	SUGP1 (3.1)	DHX38 (3.0)
ZNF513 (2.5)	MAFF (2.5)	ZNF408 (2.1)	JMJD1C (2.0)	MAMSTR (2.0)
GPN1 (3.1)	TOMM40 (3.1)	PTCD3 (3.0)	IMMT (2.9)	ZNF259 (2.7)
POLR1A (3.8)	DHODH (3.1)	GPN1 (3.1)	EIF3J (3.1)	DHX38 (3.1)
PACSIN3 (2.3)	TRIM54 (2.3)	LINC00208 (2.1)	DOCK7 (2.1)	ZDHHC18 (2.1)
ZNF664 (2.1)	PACSIN3 (2.0)	TRNP1 (1.8)	C1orf172 (1.8)	FNDC4 (1.8)
C11orf9 (2.3)	EMILIN1 (2.3)	CBLC (2.2)	ABO (2.1)	KANK2 (2.1)
SUGP1 (3.0)	ZNF512 (2.8)	MFAP1 (2.8)	GTF3C2 (2.8)	BUD13 (2.8)
PLA2G6 (2.9)	ENSG00000179523 (2	SUMO1 (2.6)	ARID1A (2.2)	COBLL1 (2.0)
ENSG00000255020 (2	SFN (2.2)	C8orf49 (2.2)	TDH (2.1)	ENSG00000223745 (2
TOMM40 (3.6)	PTCD3 (3.1)	GPN1 (2.9)	DHX38 (2.8)	DHODH (2.7)
KRTCAP3 (3.9)	FUT1 (3.4)	SDC1 (3.1)	ENSG00000182319 (2	PACSIN3 (2.4)
TBL2 (3.5)	TMEM214 (3.3)	REEP3 (3.2)	TMEM101 (3.1)	ATP13A1 (2.8)

DOCK6 (2.8)	RASIP1 (2.6)	IGF2R (2.6)	LPL (2.6)	ARHGAP1 (2.4)
PTPMT1 (2.3)	CD300LG (2.2)	DHODH (2.2)	MRPL33 (2.2)	MPP3 (2.1)
PTPMT1 (2.3)	CD300LG (2.2)	DHODH (2.2)	MRPL33 (2.2)	MPP3 (2.1)
NRBF2 (2.5)	ZDHHC18 (2.4)	GPAM (2.2)	ENSG00000236827 (1	CETP (1.8)
NOP58 (2.7)	CELF1 (2.7)	NUP160 (2.6)	GTF3C2 (2.5)	OST4 (2.5)
ENSG00000226645 (2	ZNF513 (2.3)	MPP3 (2.1)	RSPO3 (2.0)	MPP2 (1.8)
CD300LG (2.4)	ABO (2.4)	CMIP (2.3)	MAPK10 (1.9)	RIC8B (1.9)
SLC22A3 (3.0)	CAD (2.8)	NRBP1 (2.6)	PTCD3 (2.5)	POLR1A (2.4)
PGS1 (2.7)	NR1H3 (2.6)	LINC00208 (2.5)	CETP (2.4)	ZNF513 (2.2)
ZNF513 (2.0)	FUT2 (1.9)	CCDC121 (1.9)	C8orf12 (1.8)	PIGV (1.8)
SNX17 (2.7)	MTCH2 (2.7)	FDFT1 (2.6)	NRBP1 (2.6)	TOMM40 (2.5)
PLA2G6 (2.9)	MTCH2 (2.6)	DDB2 (2.6)	KHK (2.4)	SLC22A1 (2.2)
PTCD3 (3.6)	PREB (3.6)	TMEM214 (3.5)	IMMT (3.4)	TP53BP1 (3.1)
TUBGCP4 (2.8)	MRPL35 (2.7)	ENSG00000235545 (2	NRBP1 (2.6)	PTCD3 (2.5)
ZDHHC18 (2.6)	BLK (2.6)	ENSG00000236267 (2	HP (2.2)	BCL3 (2.2)
GTF3C2 (2.3)	MAU2 (2.2)	HDAC5 (2.1)	PGS1 (2.0)	GMIP (1.9)
MAFF (2.5)	C2orf28 (2.4)	SOST (2.4)	TAGLN (2.1)	IGF2R (2.1)
C11orf9 (2.5)	IZUMO1 (2.3)	FUT1 (2.3)	CBLC (2.2)	CETP (2.0)
BCL7B (2.5)	GTF3C2 (2.2)	AFF1 (2.2)	NSMAF (2.1)	LPAR2 (2.1)
RASIP1 (2.6)	DOCK6 (2.5)	IGF2R (2.5)	SFN (2.3)	REEP3 (2.2)
PMFBP1 (1.9)	JMJD1C (1.9)	GATAD2A (1.9)	GALNT2 (1.8)	TDH (1.8)
CITED2 (2.9)	RSPO3 (2.8)	TAGLN (2.5)	FADS1 (2.3)	TECTB (2.0)
TBL2 (3.0)	G6PC3 (2.8)	ATP13A1 (2.7)	TMEM101 (2.7)	PREB (2.5)
ZDHHC18 (2.7)	MAFF (2.1)	NFE2L3 (2.1)	LINC00208 (1.9)	PTPRJ (1.8)
DDB2 (2.9)	CTDSPL2 (2.3)	FADS1 (2.1)	PGS1 (2.0)	CASC4 (1.9)
G6PC3 (2.4)	IFT172 (2.2)	CTSB (2.1)	FUT2 (2.1)	CMIP (2.1)
GMIP (2.3)	EMILIN1 (2.1)	SIDT2 (2.0)	STRC (2.0)	LPL (1.9)
EMILIN1 (2.1)	FAM167A (2.0)	SDC1 (2.0)	ZNF408 (1.9)	TRIB1 (1.9)
ZDHHC18 (3.0)	TIMD4 (2.9)	CETP (2.1)	CMIP (2.0)	LINC00208 (1.9)
TRIB1 (3.2)	PCIF1 (3.0)	KANK2 (2.5)	KDM3A (2.5)	BAZ1B (2.4)
DPYSL5 (3.0)	CITED2 (2.2)	CILP2 (2.2)	ENSG00000253379 (2	TXNL4B (1.8)
CATSPER2 (3.1)	NR0B2 (3.0)	ENSG00000179523 (2	CYP7A1 (2.5)	FADS2 (2.5)
APOE (2.2)	TRNP1 (2.1)	GATA4 (1.9)	IGF2R (1.7)	ENSG00000256731 (1
TRIB1 (2.5)	NAT2 (2.3)	NR0B2 (2.2)	ENSG00000257711 (2	REEP3 (2.1)
POLR1A (2.6)	PPM1G (2.4)	NOP58 (2.4)	G6PC3 (2.2)	RFX4 (2.2)
ARID1A (2.8)	AGBL5 (2.6)	CLPTM1 (2.6)	RFX4 (2.3)	POLR1A (2.2)
PTCD3 (3.4)	ATP13A1 (3.2)	TMEM214 (3.0)	IMMT (3.0)	TBL2 (2.9)
POLR1A (2.5)	EIF3J (2.1)	ATP13A1 (2.0)	SUGP1 (2.0)	PTCD3 (1.9)
ZNF335 (2.0)	C11orf49 (1.8)	ABCA1 (1.8)	TXNL4B (1.7)	KANK2 (1.7)
MTMR9 (3.2)	MTCH2 (3.1)	VEGFA (2.8)	PTCD3 (2.6)	CLPTM1 (2.4)
CASC4 (2.6)	NFE2L3 (2.4)	EMILIN1 (2.2)	SDC1 (2.2)	PTPRJ (2.0)
PCSK7 (2.7)	CTSB (2.6)	ATP13A1 (2.2)	KANK2 (2.1)	ABCA1 (1.9)
BLK (2.4)	CETP (1.9)	FUT1 (1.7)	NR1H3 (1.7)	NFE2L3 (1.7)
TOMM40 (3.7)	PTCD3 (3.2)	GPN1 (3.1)	ZNF408 (2.9)	DHX38 (2.8)
CHMP3 (2.7)	SDCBP (2.5)	PLTP (2.0)	BLK (1.9)	DNAH10 (1.8)
BMPR2 (2.1)	ZNF513 (2.0)	BCL7B (1.8)	ARFGAP2 (1.8)	BRE (1.8)
MAU2 (2.4)	NRBP1 (2.3)	ZNF512 (2.3)	CD300LG (2.1)	ENSG00000235545 (2
CKAP5 (3.1)	FEN1 (2.6)	WDR76 (2.5)	NUP160 (2.4)	TRIB1 (2.2)
NFE2L3 (2.9)	PTPN13 (2.9)	CYP26A1 (2.8)	DPYSL5 (2.7)	TAGLN (2.2)
NDUFS3 (2.7)	MTCH2 (2.7)	CTDSPL2 (2.7)	IMMT (2.4)	MRPL35 (2.3)

ZNF335 (2.6)	PCIF1 (2.4)	MFAP1 (2.3)	ZNF408 (2.3)	NUP160 (2.3)
DNAJC5G (2.5)	C1orf172 (2.3)	PLA2G6 (2.2)	MAFF (2.1)	NRBF2 (1.9)
PLA2G6 (2.2)	SOST (2.0)	CCDC121 (1.9)	IGF2R (1.9)	LPAR2 (1.8)
NUP160 (3.0)	GPN2 (3.0)	KBTBD4 (3.0)	SUPT7L (2.8)	CAD (2.8)
DPYSL5 (2.1)	LPAL2 (2.1)	REEP1 (2.1)	SDC1 (2.0)	BAZ1B (2.0)
ZDHHC18 (2.6)	GMIP (2.3)	BLK (2.3)	BCL7B (2.0)	PGS1 (1.9)
MFAP1 (3.1)	DHX38 (2.9)	SUGP1 (2.8)	INTS10 (2.8)	NUP160 (2.6)
BMPR2 (2.4)	TRIB1 (2.2)	BCL3 (2.1)	PTPRJ (2.0)	SLC30A3 (2.0)
FNDC4 (2.4)	PTPN13 (2.2)	UCN (2.1)	DOCK6 (2.1)	C8orf49 (2.1)
SOST (2.5)	RSPO3 (2.3)	ENSG00000236827 (2	CYP26A1 (2.1)	SIDT2 (2.1)
CLPTM1 (2.3)	MTCH2 (2.2)	PDIA3 (2.0)	BCL3 (1.9)	SLC22A3 (1.9)
GTF3C2 (2.9)	NOP58 (2.6)	USP1 (2.6)	DHX38 (2.5)	LSM12 (2.5)
GMIP (2.2)	TIMD4 (2.1)	ARID1A (2.1)	KRTCAP3 (2.0)	MTF2 (1.9)
DPYSL5 (2.4)	TM6SF2 (2.1)	ENSG00000254235 (1	SLC5A6 (1.9)	TMEM175 (1.9)
UCN (2.3)	TRIB1 (2.3)	HAVCR1 (2.1)	KLF14 (2.1)	CITED2 (1.8)
NAT2 (2.6)	KRTCAP3 (2.6)	FZD9 (2.5)	NR0B2 (2.4)	CBLC (1.7)
UBXN2B (2.7)	UCN (2.4)	CHMP3 (2.0)	LPAR2 (2.0)	CSGALNACT1 (2.0)
SOST (2.5)	VEGFA (2.5)	AFF1 (2.4)	CSGALNACT1 (2.1)	UBXN2B (2.0)
SIK3 (2.1)	ARID1A (2.1)	CMIP (1.9)	IGF2R (1.8)	BCAM (1.8)
KANK2 (2.6)	AFF1 (2.4)	TRNP1 (2.4)	DUSP3 (2.1)	DDB2 (2.1)
CLPTM1 (2.6)	MTMR9 (2.4)	ARHGAP1 (2.4)	ACP2 (2.3)	PAFAH1B2 (2.2)
MTCH2 (2.6)	HAPLN4 (2.6)	CASC4 (2.4)	EIF2B4 (2.4)	PGS1 (2.4)
ARFGAP2 (2.9)	BAZ1B (2.8)	TMEM214 (2.7)	AFF1 (2.5)	HDAC5 (2.4)
CELF1 (2.8)	ZNF664 (2.6)	RIC8B (2.4)	DHX38 (2.3)	KANK2 (2.2)
ENSG00000256731 (2	ACP2 (2.1)	ANGPTL3 (2.1)	NAGS (2.0)	SLC5A6 (1.9)
PACSIN3 (2.8)	ARHGAP1 (2.2)	VEGFA (2.0)	BCAM (1.8)	FRMD5 (1.8)
ABCA1 (2.7)	LPAR2 (2.6)	EMILIN1 (2.4)	VEGFA (2.1)	PTPN13 (2.0)
TRIM54 (2.2)	EMILIN1 (2.2)	TIMD4 (2.1)	ANGPTL3 (2.1)	SOST (2.0)
POLR1A (3.6)	TOMM40 (3.0)	GATAD2A (2.7)	CAD (2.7)	EIF3J (2.6)
PDIA3 (2.7)	PPM1G (1.9)	REEP3 (1.8)	CATSPER2 (1.7)	SUMO1 (1.7)
RASIP1 (2.8)	ENSG00000182319 (2	KANK2 (2.7)	GALNT2 (2.5)	DUSP3 (2.3)
DHX38 (3.1)	BUD13 (3.0)	BAZ1B (2.9)	SUGP1 (2.8)	PPM1G (2.8)
KRTCAP3 (2.3)	C8orf12 (2.3)	KLF14 (2.2)	FADS1 (2.1)	RASIP1 (1.9)
JMJD1C (2.4)	CSGALNACT1 (2.3)	NSMAF (2.3)	SOST (2.3)	LRP4 (2.1)
FGF21 (2.0)	PIGV (1.9)	PTPN13 (1.9)	DDB2 (1.8)	VEGFA (1.7)
ZNF513 (3.1)	GMIP (2.4)	CITED2 (1.8)	TMED5 (1.7)	DR1 (1.7)
ENSG00000256746 (2	ENSG00000255020 (2	FADS2 (2.0)	GCKR (2.0)	PLTP (1.9)
HARBI1 (3.1)	ZNF408 (3.1)	AGBL5 (2.8)	BAZ1B (2.5)	TBL2 (2.5)
PTPRJ (2.7)	TIMD4 (2.5)	IZUMO1 (2.2)	FAM167A (2.2)	ZDHHC18 (2.0)
CATSPER2 (1.8)	CETP (1.7)	ABHD1 (1.7)	REEP3 (1.6)	HGFAC (1.6)
GATA4 (2.3)	PTPN13 (2.1)	EPB41L3 (2.1)	SOST (1.8)	VEGFA (1.8)
MPP2 (1.7)	MAPRE3 (1.7)	ENSG00000255020 (1	TRNP1 (1.6)	ENSG00000223745 (1
MLXIPL (4.2)	MTCH2 (4.0)	IMMT (3.6)	FDFT1 (3.6)	LPL (3.1)
FZD9 (2.8)	CILP2 (2.6)	PTPN13 (2.4)	SFN (2.4)	DOCK7 (2.2)
FAM167A (3.4)	SDC1 (3.3)	MRPL33 (3.0)	PTPN13 (2.4)	BNC2 (2.1)
TOMM40 (3.9)	PTCD3 (3.5)	GPN1 (3.1)	EIF3J (3.0)	CAD (2.9)
ZNF259 (3.0)	PTCD3 (2.7)	PPM1G (2.6)	CAD (2.5)	DHX38 (2.4)
MFAP1 (2.5)	ZNF335 (2.5)	TXNL4B (2.4)	DHX38 (2.4)	MRPL33 (2.4)
MFAP1 (2.5)	ZNF335 (2.5)	TXNL4B (2.4)	DHX38 (2.4)	MRPL33 (2.4)
MFAP1 (2.5)	ZNF335 (2.5)	TXNL4B (2.4)	DHX38 (2.4)	MRPL33 (2.4)

CETP (2.4)	BCL3 (1.9)	PCSK7 (1.8)	BLK (1.6)	BRE (1.6)
BAZ1B (3.0)	AFF1 (2.9)	ARFGAP2 (2.9)	TMEM214 (2.5)	HDAC5 (2.5)
PTCD3 (2.5)	NOP58 (2.5)	GTF3C2 (2.4)	ENSG00000222035 (2	TP53BP1 (2.2)
SLC22A3 (2.9)	CCDC92 (2.5)	LPL (2.4)	PIGV (2.2)	CITED2 (2.0)
SLC22A3 (2.9)	CCDC92 (2.5)	LPL (2.4)	PIGV (2.2)	CITED2 (2.0)
EPB41L3 (2.1)	CITED2 (2.1)	SPG11 (2.1)	KLF14 (2.0)	ENSG00000256746 (1
TOMM40 (3.7)	PTCD3 (3.5)	GPN1 (3.5)	CAD (3.1)	DHODH (3.1)
TRIB1 (3.1)	GMIP (2.5)	RSPO3 (1.8)	VEGFA (1.8)	TMED5 (1.8)
TRIB1 (3.1)	GMIP (2.5)	RSPO3 (1.8)	VEGFA (1.8)	TMED5 (1.8)
USP1 (2.5)	IMMT (2.5)	PPM1G (1.9)	CCDC18 (1.9)	PCIF1 (1.8)
TMEM175 (3.6)	SPG11 (3.3)	IGF2R (3.3)	ATP13A1 (2.8)	DUSP3 (2.7)
CETP (2.3)	APOE (2.2)	SDC1 (2.2)	C2orf53 (2.1)	NR1H3 (2.1)
PDIA3 (1.7)	CITED2 (1.7)	TIMD4 (1.7)	TMEM101 (1.6)	CGREF1 (1.6)
EPB41L3 (2.7)	CCDC92 (2.4)	TRNP1 (2.4)	ANGPTL4 (2.1)	TECTB (2.1)
TOMM40 (4.0)	PTCD3 (3.3)	CAD (3.2)	EIF3J (3.0)	GPN1 (2.9)
BCAM (3.5)	ENSG00000253379 (3	NCAN (3.3)	FAM167A (2.9)	PTPN13 (2.5)
IGF2R (2.5)	PVRL2 (2.3)	TUBGCP4 (2.2)	ENSG00000236827 (2	SLC22A3 (2.1)
C17orf105 (2.8)	PBX4 (2.7)	IZUMO1 (2.6)	FADS2 (2.1)	GATAD2A (1.9)
SDC1 (2.8)	LPL (2.7)	EPB41L3 (2.6)	TAGLN (2.5)	HP (2.4)
PTPRJ (2.9)	ZDHHC18 (2.9)	COBLL1 (2.3)	TIMD4 (1.9)	NRBF2 (1.7)
NUP160 (3.4)	GPN1 (3.0)	INTS10 (2.9)	USP1 (2.8)	TOMM40 (2.7)
MAU2 (3.2)	CELF1 (2.9)	ARFGAP2 (2.7)	BRE (2.6)	SUGP1 (2.5)
HARBI1 (3.1)	CAD (3.0)	CKAP5 (2.9)	PTCD3 (2.9)	MTCH2 (2.8)
GTF3C2 (2.9)	PCIF1 (2.9)	NUP160 (2.8)	INTS10 (2.8)	NOP58 (2.8)
BCAM (2.6)	C1orf172 (2.2)	FUT2 (2.1)	RBKS (2.1)	SDC1 (2.1)
G6PC3 (3.2)	TBL2 (3.1)	TMEM101 (3.1)	PDIA3 (3.1)	ATP13A1 (2.8)
NOP58 (3.4)	TOMM40 (3.3)	DHX38 (3.2)	DHODH (3.2)	GPN1 (3.1)
SLC5A6 (3.1)	ATP13A1 (3.0)	CLPTM1 (2.8)	CTSB (2.5)	ANGPTL3 (2.4)
CATSPER2 (2.5)	GALNT2 (2.4)	ENSG00000223522 (2	PDIA3 (2.2)	CMIP (2.1)
BCAM (3.9)	CBLC (3.7)	FUT1 (2.9)	PTPN13 (2.1)	FGF21 (2.0)
NRBP1 (2.6)	ARID1A (2.4)	ARHGAP1 (2.2)	SNX17 (2.1)	GATAD2A (2.0)
PREB (2.7)	TMEM214 (2.7)	TMEM101 (2.5)	PTPMT1 (2.4)	CASC4 (2.4)
CTSB (2.2)	BCL3 (2.2)	ACP2 (2.2)	EPB41L3 (2.1)	CITED2 (2.0)
EIF3J (3.8)	GPN1 (3.2)	CAD (3.1)	EIF2B4 (3.1)	TOMM40 (3.1)
NAT2 (2.0)	SOST (1.9)	FUT2 (1.8)	ENSG00000182329 (1	FUT1 (1.5)
SNX17 (2.9)	MRPL35 (2.9)	IFT172 (2.7)	PPIP5K1 (2.6)	C2orf28 (2.5)
C8orf49 (2.9)	GATA4 (2.8)	ENSG00000182319 (2	DNAJC5G (2.5)	ENSG00000222035 (2
POLR1A (3.6)	GPN1 (3.2)	DHODH (3.2)	EIF3J (3.1)	PTCD3 (2.9)
DDB2 (2.5)	APOE (2.5)	ZDHHC18 (2.3)	LPL (2.3)	ENSG00000236267 (2
BAZ1B (2.9)	ENSG00000256746 (1	RSPO3 (1.8)	BNC2 (1.8)	ARID1A (1.7)
ENSG00000200241 (2	INTS10 (2.9)	GTF3C2 (2.9)	DR1 (2.8)	BUD13 (2.7)
FNDC4 (1.8)	RFX4 (1.7)	ENSG00000253379 (1	EPB41L3 (1.7)	LPAL2 (1.7)
ANGPTL4 (2.6)	LPL (2.3)	SPG11 (2.2)	PLTP (2.1)	SDC1 (2.1)
ANGPTL4 (2.6)	LPL (2.3)	SPG11 (2.2)	PLTP (2.1)	SDC1 (2.1)
CD300LG (2.1)	C11orf9 (2.0)	REEP3 (1.9)	PYY (1.8)	ENSG00000200241 (1
COBLL1 (2.2)	KLF14 (2.2)	FRMD5 (2.1)	APOA4 (2.1)	ENSG00000226645 (2
PTPN13 (3.0)	TP53BP1 (2.8)	AGBL5 (2.6)	IFT172 (2.5)	BNC2 (2.2)
PLTP (3.0)	BCAM (2.9)	FZD9 (2.7)	LPL (2.4)	LRP4 (2.3)
C2orf53 (2.2)	APOC1 (2.1)	CATSPER2 (2.0)	PIGV (2.0)	UCN (1.8)
TDH (2.7)	EMILIN1 (2.5)	SDC1 (2.3)	ENSG00000256731 (2	CYP26A1 (2.2)

NFE2L3 (2.8)	ACP2 (2.7)	CTSB (2.5)	ZDHHC18 (2.0)	NR1H3 (1.9)
NR0B2 (2.4)	ENSG00000236827 (2	APOB (2.0)	GCKR (1.9)	APOC3 (1.8)
GATAD2A (2.0)	ATG4C (2.0)	CD300LG (1.9)	ZDHHC18 (1.9)	PTPRJ (1.9)
NOP58 (2.7)	DHX38 (2.7)	USP1 (2.7)	SUGP1 (2.6)	PCIF1 (2.5)
PLA2G6 (2.2)	ZNF513 (2.1)	HDAC5 (2.1)	MAFF (2.0)	ENSG00000226645 (2
MAPK10 (2.4)	HDAC5 (2.4)	KLF14 (2.3)	ZNF335 (2.2)	ZDHHC18 (2.2)
APOA4 (2.4)	BCL3 (2.2)	FADS2 (2.1)	EMILIN1 (2.1)	KHK (1.9)
NUP160 (2.9)	PPM1G (2.8)	GTF3C2 (2.7)	CAD (2.7)	ZNF512 (2.5)
GATAD2A (2.8)	EIF3J (2.8)	INTS10 (2.7)	DHODH (2.7)	CAD (2.5)
USP1 (2.6)	DHX38 (2.6)	ARID1A (2.4)	GATAD2A (2.3)	ZNF664 (2.3)
BAZ1B (2.9)	USP1 (2.8)	RIC8B (2.4)	MTF2 (2.4)	KANK2 (2.0)
PCIF1 (2.6)	SNX17 (2.6)	DUSP3 (2.5)	G6PC3 (2.5)	PAFAH1B2 (2.5)
IZUMO1 (2.7)	ENSG00000200241 (2	SUMO1 (2.3)	TDH (2.1)	MPP3 (2.0)
GPN1 (2.9)	EIF3J (2.8)	PTCD3 (2.8)	TOMM40 (2.7)	PPM1G (2.5)
ENSG00000179523 (2	ENSG00000236267 (2	HAPLN4 (2.4)	NCAN (2.2)	HAVCR1 (2.0)
CITED2 (2.7)	CHMP3 (2.5)	PVRL2 (2.3)	MTCH2 (2.2)	IMMT (2.2)
VEGFA (2.4)	ENSG00000226645 (2	MAFF (2.2)	FUT1 (2.0)	BMPR2 (2.0)
ZNF512 (2.4)	LPL (2.4)	EPB41L3 (2.2)	SFN (2.1)	OST4 (2.1)
CELF1 (2.6)	CSGALNACT1 (2.3)	JMJD1C (2.3)	MAPRE3 (2.3)	HDAC5 (2.1)
MAFF (3.0)	ARFGAP2 (2.1)	ZNF513 (2.0)	DUSP3 (2.0)	TRNP1 (1.9)
TECTB (2.7)	FZD9 (2.5)	SOST (2.4)	KANK2 (2.3)	CMIP (2.2)
BLK (2.4)	ENSG00000182319 (2	CMIP (2.4)	JMJD1C (2.1)	LPAR2 (1.9)
SOST (3.1)	TECTB (2.9)	RFX4 (2.8)	AGBL2 (2.6)	BCAM (2.4)
DHODH (3.9)	TOMM40 (3.8)	PTCD3 (3.3)	CAD (3.2)	GPN1 (3.0)
ZNF335 (1.8)	DNAH10 (1.8)	PBX4 (1.8)	SLC22A3 (1.8)	AFF1 (1.7)
ENSG00000222035 (2	SDCBP (2.2)	ENSG00000200241 (2	ENSG00000253379 (2	NAT2 (2.0)
BAZ1B (2.7)	GMIP (2.4)	ENSG00000200241 (2	VEGFA (2.2)	ENSG00000182319 (2
MAMSTR (3.1)	SNX17 (2.7)	LPAL2 (2.7)	ARFGAP2 (2.6)	CLPTM1 (2.4)
SIK3 (2.3)	CTSB (2.2)	ENSG00000255020 (2	CBLC (2.1)	RASIP1 (1.9)
DHX38 (2.8)	PPM1G (2.7)	SUGP1 (2.7)	USP1 (2.6)	CELF1 (2.6)
TBL2 (3.4)	TMEM101 (2.9)	PREB (2.7)	G6PC3 (2.2)	CATSPER2 (2.1)
HDAC5 (2.2)	CATSPER2 (2.2)	IGF2R (2.1)	BCL7B (2.0)	TUBGCP4 (2.0)
GPN1 (3.7)	EIF2B4 (3.2)	PTCD3 (3.1)	CAD (3.1)	OST4 (3.0)
TAGLN (2.0)	PPM1G (2.0)	EMILIN1 (2.0)	TRIB1 (1.9)	CMIP (1.8)
CLPTM1 (3.7)	ATP13A1 (3.7)	TBL2 (3.6)	TMED5 (3.5)	PREB (3.2)
MAPK10 (2.2)	ENSG00000236267 (2	PMFBP1 (2.1)	CMIP (1.9)	SLC22A3 (1.8)
CELF1 (2.8)	PAFAH1B2 (2.4)	REEP3 (2.3)	HAVCR1 (2.2)	HDAC5 (2.1)
PLA2G6 (1.8)	ATP13A1 (1.7)	GCKR (1.6)	ARID1A (1.6)	SUMO1 (1.6)
PDIA3 (2.4)	MPP2 (2.3)	PTPN13 (2.0)	CITED2 (1.9)	MAU2 (1.9)
BCL3 (2.9)	GMIP (2.3)	NR1H3 (2.2)	PBX4 (2.2)	NFE2L3 (2.2)
DUSP3 (3.0)	TRIM54 (2.9)	SFN (2.6)	RASIP1 (2.6)	ENSG00000182319 (2
ANGPTL4 (2.5)	CD300LG (2.4)	FNDC4 (2.1)	BMPR2 (1.9)	KANK2 (1.8)
TECTB (1.8)	HARBI1 (1.7)	NFE2L3 (1.6)	FNBP4 (1.6)	ATP13A1 (1.6)
DHX38 (3.0)	NOP58 (3.0)	SUGP1 (2.9)	CAD (2.7)	MTF2 (2.7)
C2orf28 (2.6)	PTPMT1 (2.4)	HAVCR1 (2.0)	UBXN2B (1.9)	IMMT (1.9)
USP1 (2.8)	ZNF512 (2.7)	GTF3C2 (2.6)	NOP58 (2.6)	SUGP1 (2.6)
RSPO3 (3.0)	SOST (2.7)	IFT172 (2.2)	EMILIN1 (2.2)	LRP4 (2.2)
KANK2 (2.2)	C11orf9 (2.2)	CD300LG (2.1)	NR1H3 (2.0)	CBLC (2.0)
KRTCAP3 (3.5)	FUT1 (3.1)	SDC1 (3.0)	ENSG00000182319 (2	PTPN13 (2.6)
TOMM40 (2.6)	EIF3J (2.5)	SLC5A6 (2.5)	PTCD3 (2.3)	EIF2B4 (2.3)

ANGPTL3 (2.7)	RBKS (2.5)	KHK (2.5)	AGBL2 (2.3)	LPAL2 (2.3)
C2orf16 (2.0)	C2orf53 (1.8)	PGS1 (1.8)	FAM167A (1.7)	TECTB (1.7)
ENSG00000255020 (2	DNAH10 (2.3)	ENSG00000256746 (2	ABCA1 (2.2)	FUT2 (2.2)
HAVCR1 (2.7)	C2orf28 (2.4)	ATP13A1 (2.3)	GALNT2 (2.2)	TM6SF2 (2.1)
SFN (2.9)	FUT1 (2.4)	POLR1A (2.2)	FUT2 (2.2)	PTPN13 (2.0)
PTPN13 (3.1)	ENSG00000182319 (2	VEGFA (2.6)	ENSG00000179523 (2	NCAN (2.2)
UBXN2B (2.4)	NSMAF (2.4)	C8orf12 (2.3)	TDH (2.1)	ENSG00000254235 (2
TOMM40 (3.5)	GPN1 (3.4)	EIF2B4 (3.0)	DHODH (2.9)	PTCD3 (2.9)
MADD (2.5)	PLA2G6 (2.0)	PPIP5K1 (2.0)	MLXIPL (2.0)	SIK3 (1.9)
C2orf28 (2.9)	NAGS (2.8)	ZNF513 (2.6)	DNAJC5G (2.5)	CGREF1 (2.4)
WDR76 (2.9)	CKAP5 (2.6)	DDB2 (2.1)	TMED5 (2.1)	AGBL5 (1.9)
ENSG00000223745 (2	C2orf53 (2.3)	AGBL2 (2.2)	ENSG00000255020 (2	ACP2 (1.9)
ENSG00000223745 (2	C2orf53 (2.3)	AGBL2 (2.2)	ENSG00000255020 (2	ACP2 (1.9)
GCKR (2.3)	LPA (2.2)	ENSG00000236827 (2	FNDC4 (2.0)	FGF21 (2.0)
ENSG00000255020 (3	NR0B2 (2.7)	ABO (2.6)	FNDC4 (2.5)	FDFT1 (2.5)
PCIF1 (2.4)	ARID1A (2.4)	EMILIN1 (2.3)	PTPRJ (2.1)	ENSG00000253379 (2
RSPO3 (2.7)	ABHD1 (2.7)	TMEM101 (2.4)	SOST (2.2)	TAGLN (1.8)
C2orf53 (2.1)	ENSG00000253379 (2	PGS1 (2.0)	ANGPTL4 (1.9)	CCDC121 (1.9)
SLC30A3 (2.4)	NRBF2 (2.3)	TMED5 (2.3)	APOB (2.3)	TMEM214 (2.1)
IGF2R (2.3)	GMIP (2.3)	TRIB1 (2.1)	BCL7B (2.1)	C11orf9 (2.0)
RFX4 (2.2)	TECTB (2.1)	CYP26A1 (2.1)	UCN (2.0)	SDC1 (1.9)
RFX4 (2.7)	ACP2 (2.6)	CELF1 (2.6)	LPL (2.5)	BMPR2 (2.4)
AGBL2 (2.5)	SLC22A3 (2.3)	CATSPER2 (2.1)	TRIB1 (1.9)	ENSG00000179523 (1
BCAM (2.4)	RSPO3 (2.4)	PLTP (2.1)	DOCK6 (2.1)	SOST (2.1)
SNX17 (3.4)	TBL2 (3.0)	POLR1A (2.8)	DHX38 (2.7)	BAZ1B (2.7)
RSPO3 (3.1)	RASIP1 (3.1)	EMILIN1 (2.7)	KRTCAP3 (2.5)	SLC22A3 (2.5)
CYP26A1 (2.3)	PYY (2.3)	SFN (2.1)	PTPN13 (2.0)	FADS1 (1.9)
FUT1 (2.0)	PMFBP1 (2.0)	NEIL2 (1.7)	TRNP1 (1.6)	PTPN13 (1.6)
ENSG00000255020 (2	ENSG00000222035 (2	PVRL2 (2.0)	GATA4 (1.9)	MYBPC3 (1.9)
CLPTM1 (2.7)	BCL3 (2.7)	CELF1 (2.5)	NOP58 (2.3)	JMJD1C (2.3)
PMFBP1 (2.7)	KHK (2.7)	MPV17 (2.7)	PLTP (2.5)	APOA1 (2.4)
PREB (3.4)	PDIA3 (3.3)	CGREF1 (3.1)	SIDT2 (2.8)	CLPTM1 (2.7)
SFN (3.5)	FUT1 (3.5)	PTPN13 (3.1)	SDC1 (2.9)	ENSG00000182319 (2
ENSG00000256731 (1	PMFBP1 (1.9)	PIGV (1.9)	SLC22A3 (1.9)	ENSG00000223745 (1
IMMT (2.0)	PIGV (1.9)	TMED5 (1.8)	TMEM101 (1.7)	DDB2 (1.7)
TXNL4B (2.3)	RSPO3 (2.2)	SOST (2.1)	TMEM101 (1.8)	ENSG00000254235 (1
SUGP1 (2.9)	ATP13A1 (2.7)	DHX38 (2.6)	GTF3C2 (2.5)	POLR1A (2.3)
GTF3C2 (2.4)	ARID1A (2.3)	NEIL2 (2.2)	FDFT1 (2.2)	BNC2 (2.1)
GMIP (2.7)	RIC8B (2.7)	LSM12 (2.4)	BCL7B (2.4)	MTF2 (2.3)
USP1 (2.9)	NOP58 (2.8)	GTF3C2 (2.8)	ZNF512 (2.7)	SUGP1 (2.6)
ATP13A1 (2.6)	ARFGAP2 (2.3)	JMJD1C (2.2)	SUPT7L (2.1)	DOCK7 (2.0)
TDH (2.6)	APOA5 (2.5)	LIPC (2.4)	MAPRE3 (2.3)	KHK (2.3)
CD300LG (3.3)	CSGALNACT1 (2.9)	CILP2 (2.7)	ENSG00000226645 (2	ENSG00000182319 (2
TOMM40 (3.8)	PTCD3 (3.4)	CAD (2.9)	ATP13A1 (2.8)	EIF3J (2.7)
DOCK7 (2.6)	CD300LG (2.4)	AMBRA1 (2.3)	KDM3A (2.3)	ABCA1 (2.1)
VEGFA (2.8)	KANK2 (2.8)	EMILIN1 (2.5)	PVRL2 (2.3)	GATAD2A (2.3)
NRBP1 (3.4)	ARFGAP2 (3.1)	TMEM214 (2.8)	ZNF259 (2.8)	SNX17 (2.7)
ATG13 (2.9)	ATP13A1 (2.6)	MADD (2.6)	PREB (2.5)	ACP2 (2.5)
RSPO3 (2.7)	EPB41L3 (2.5)	CCDC92 (2.2)	CD300LG (2.1)	PVRL2 (2.1)
DOCK6 (3.1)	ENSG00000256731 (3	RASIP1 (2.9)	C1orf172 (2.5)	PVRL2 (2.4)

APOA1 (3.1)	TBL2 (2.8)	F2 (2.5)	TMEM214 (2.5)	APOC3 (2.5)
SUGP1 (2.2)	AFF1 (2.2)	ZNF408 (2.2)	HARBI1 (2.2)	ARID1A (2.2)
NRBF2 (2.3)	ZNF513 (2.1)	GMIP (2.1)	SDCBP (2.0)	JMJD1C (1.8)
NRBF2 (2.3)	ZNF513 (2.1)	GMIP (2.1)	SDCBP (2.0)	JMJD1C (1.8)
NRBF2 (2.3)	ZNF513 (2.1)	GMIP (2.1)	SDCBP (2.0)	JMJD1C (1.8)
NRBF2 (2.3)	ZNF513 (2.1)	GMIP (2.1)	SDCBP (2.0)	JMJD1C (1.8)
ENSG00000256746 (1	CMIP (1.9)	TBL2 (1.8)	ZDHHC18 (1.8)	ATG13 (1.7)
SFN (3.9)	PTPN13 (2.9)	SDC1 (2.7)	FUT1 (2.7)	DUSP3 (2.3)
PPM1G (2.3)	KDM3A (2.3)	GATAD2A (2.2)	SPG11 (2.2)	CELF1 (2.1)
DUSP3 (2.2)	CHMP3 (2.0)	GTF3C2 (1.8)	IGF2R (1.8)	TRNP1 (1.8)
RSPO3 (2.4)	CCDC121 (2.2)	G6PC3 (2.2)	CGREF1 (2.0)	LPAR2 (1.9)
CCDC121 (2.5)	NAT2 (2.5)	C8orf49 (2.4)	CYP26A1 (2.3)	TDH (2.3)
PLTP (3.2)	ATP13A1 (2.8)	TMEM175 (2.6)	BRE (2.4)	ACP2 (2.2)
GATAD2A (2.4)	SNX17 (2.0)	APOE (1.9)	PCSK7 (1.9)	ZNF335 (1.7)
ENSG00000179523 (2	CASC4 (2.6)	TECTB (2.0)	ENSG00000253379 (2	C17orf105 (2.0)
SLC22A3 (2.0)	PGS1 (2.0)	SIK3 (1.8)	DNAJC5G (1.7)	SFN (1.6)
BMPR2 (2.8)	NCAN (2.5)	PVRL2 (2.4)	REEP1 (2.3)	SDC1 (2.1)
TMED5 (3.1)	SLC5A6 (3.0)	LSM12 (2.8)	SNX17 (2.7)	TMEM101 (2.5)
MAPK10 (2.5)	EIF3J (2.5)	ARFGAP2 (2.4)	ENSG00000179523 (2	SDCBP (2.0)
AFF1 (2.2)	ANGPTL4 (2.1)	FUT1 (2.1)	FNDC4 (2.0)	LINC00208 (2.0)
TOMM40 (3.6)	GPN1 (3.3)	EIF2B4 (3.0)	CAD (2.6)	PTCD3 (2.6)
EPB41L3 (3.0)	MPP3 (3.0)	ARHGAP1 (2.6)	TAGLN (2.4)	TRIM54 (2.4)
C2orf53 (2.2)	NFE2L3 (1.8)	HAVCR1 (1.7)	PTPMT1 (1.7)	NSMAF (1.7)
TOMM40 (3.8)	EIF3J (3.7)	CAD (3.3)	EIF2B4 (3.3)	DHODH (3.1)
ANGPTL4 (2.7)	EPB41L3 (2.6)	ABCA1 (2.1)	FAM167A (1.9)	PLTP (1.9)
DHX38 (3.2)	MFAP1 (3.0)	SUGP1 (3.0)	PPM1G (2.7)	KBTBD4 (2.7)
TOMM40 (4.1)	PTCD3 (3.6)	GPN1 (3.4)	EIF3J (3.4)	DHODH (3.0)
PMFBP1 (2.2)	IFT172 (2.1)	C1orf172 (1.9)	SNX17 (1.9)	SPG11 (1.9)
SFN (2.4)	TUBGCP4 (2.3)	KDM3A (2.1)	PPIP5K1 (2.0)	TP53BP1 (2.0)
PTPRJ (2.3)	NRBF2 (2.3)	PPIP5K1 (2.0)	PMFBP1 (1.7)	ATP13A1 (1.6)
CKAP5 (2.4)	KANK2 (2.4)	PTPRJ (2.3)	ENSG00000182319 (2	DR1 (2.2)
ENSG00000234945 (2	NCAN (1.9)	FZD9 (1.8)	PMFBP1 (1.8)	CSGALNACT1 (1.8)
TOMM40 (1.9)	CHMP3 (1.9)	ENSG00000179523 (1	NOP58 (1.8)	IMMT (1.8)
BCL3 (2.5)	ARID1A (2.5)	JMJD1C (2.4)	ZNF335 (2.4)	BCL7B (2.3)
RASIP1 (3.1)	SFN (3.0)	C1orf172 (2.7)	APOE (2.7)	CBLC (2.3)
DNAH10 (2.4)	CILP2 (2.2)	ENSG00000182329 (1	MAMSTR (1.8)	ENSG00000179523 (1
TMEM101 (2.3)	C1orf172 (2.2)	BCAM (2.1)	ENSG00000182319 (2	RSPO3 (2.1)
OST4 (3.0)	TOMM40 (2.9)	PTCD3 (2.8)	DHX38 (2.4)	GPN1 (2.3)
MADD (2.9)	CMIP (2.7)	MAP1A (2.6)	OST4 (2.3)	SDCBP (2.2)
SFN (3.8)	FUT1 (3.4)	PTPN13 (3.0)	SDC1 (3.0)	ENSG00000182319 (2
ENSG00000234945 (2	BCAM (2.4)	TAGLN (2.3)	DNAJC5G (2.3)	ARHGAP1 (2.3)
PYY (2.5)	C1QTNF4 (2.1)	KRTCAP3 (2.1)	BNC2 (2.1)	MAU2 (2.1)
NEIL2 (2.6)	FNDC4 (2.6)	RIC8B (2.3)	INTS10 (2.1)	MAPRE3 (2.1)
BLK (2.3)	BUD13 (1.9)	BCL3 (1.9)	RASIP1 (1.9)	KANK2 (1.8)
NRBP1 (3.1)	MADD (3.1)	PCSK7 (3.0)	SNX17 (2.9)	ZNF512 (2.7)
GATA4 (2.5)	MYBPC3 (2.5)	EMILIN1 (2.4)	ARHGAP1 (2.3)	MAFF (2.0)
PPM1G (2.6)	NRBP1 (2.5)	SNX17 (2.5)	CITED2 (2.4)	CKAP5 (2.3)
ATG4C (1.9)	CITED2 (1.9)	DR1 (1.9)	COBLL1 (1.8)	CD300LG (1.7)
FADS1 (3.0)	PGS1 (2.8)	G6PC3 (2.7)	ENSG00000179523 (2	TMEM175 (2.6)
PTCD3 (3.0)	DHX38 (2.6)	GPN1 (2.4)	TOMM40 (2.3)	SUGP1 (2.2)

TOMM40 (4.2)	DHODH (3.3)	CAD (3.2)	PTCD3 (3.1)	GPN1 (3.0)
NAT2 (2.0)	MAP1A (1.9)	DPYSL5 (1.8)	TM6SF2 (1.7)	ENSG00000253379 (1
FZD9 (2.5)	MPP3 (2.4)	DPYSL5 (2.1)	SOST (2.0)	APOE (1.8)
CTSB (3.1)	ACP2 (3.1)	CSGALNACT1 (2.7)	PLTP (2.4)	ENSG00000236267 (2
C8orf49 (2.5)	RSPO3 (2.4)	FADS1 (2.0)	SIK3 (1.9)	IZUMO1 (1.8)
PAFAH1B2 (2.3)	C11orf9 (2.1)	BMPR2 (2.1)	CMIP (2.0)	PTPN13 (2.0)
MYBPC3 (3.0)	VEGFA (3.0)	ANGPTL4 (2.9)	FUT1 (2.4)	ABHD1 (2.3)
BUD13 (2.6)	ARID1A (2.6)	NOP58 (2.6)	ZNF512 (2.5)	GTF3C2 (2.4)
VEGFA (4.2)	BCL3 (2.8)	FUT1 (2.8)	NRBF2 (2.2)	ZNF513 (2.0)
MAU2 (2.3)	ARFGAP2 (2.3)	BCL7B (2.2)	PCIF1 (2.2)	LINC00208 (2.2)
LPL (2.5)	SOST (2.4)	CBLC (2.4)	PLTP (2.0)	EMILIN1 (1.9)
TOMM40 (3.7)	DHODH (3.2)	EIF3J (3.1)	GPN1 (3.0)	PTCD3 (2.8)
LPA (2.5)	TIMD4 (2.4)	APOE (2.3)	NR1H3 (2.1)	FGF21 (2.0)
C11orf49 (2.1)	KANK2 (2.1)	TDH (2.0)	BRE (2.0)	CCDC92 (1.9)
NFE2L3 (2.2)	ACP2 (2.1)	ARHGAP1 (2.1)	LINC00208 (2.1)	NR1H3 (1.9)
NFE2L3 (2.2)	ACP2 (2.1)	ARHGAP1 (2.1)	LINC00208 (2.1)	NR1H3 (1.9)
C2orf16 (2.1)	LPAR2 (2.1)	ENSG00000179523 (2	DUSP3 (1.9)	STRC (1.9)
GPN1 (2.9)	DOCK7 (2.8)	PTCD3 (2.8)	POLR1A (2.8)	CKAP5 (2.7)
TXNL4B (2.9)	CATSPER2 (2.8)	TRIB1 (2.8)	TBL2 (2.7)	PDIA3 (2.6)
CETP (2.6)	EPB41L3 (2.4)	ACP2 (2.2)	APOE (2.1)	ENSG00000255020 (2
DHX38 (2.6)	USP1 (2.5)	NUP160 (2.5)	CELF1 (2.4)	GTF3C2 (2.2)
PTPRJ (2.4)	TRIB1 (2.1)	PREB (2.0)	ZNF664 (2.0)	RASIP1 (1.9)
GALNT2 (2.3)	PCSK7 (2.1)	SLC22A3 (2.0)	ENSG00000236267 (2	NR1H3 (1.9)
SDCBP (3.2)	NUP160 (3.1)	NSMAF (2.7)	WDR76 (2.7)	PGS1 (2.5)
ENSG00000236267 (3	MLXIPL (2.8)	ENSG00000253379 (2	ABHD1 (2.6)	LPAL2 (2.4)
PTPRJ (1.9)	GATAD2A (1.9)	ENSG00000182319 (1	NFE2L3 (1.8)	BMPR2 (1.7)
TRNP1 (2.5)	REEP3 (2.4)	BMPR2 (2.3)	IGF2R (2.3)	EMILIN1 (2.1)
APOC3 (4.3)	APOB (3.6)	RBKS (3.4)	NAGS (3.3)	APOA1 (3.2)
SIK3 (2.7)	ZNF513 (2.6)	GMIP (2.6)	ZNF408 (2.5)	ATG13 (2.3)
MAU2 (3.3)	ATP13A1 (3.2)	FNBP4 (3.0)	INTS10 (2.8)	OST4 (2.7)
GPN2 (3.0)	CELF1 (2.9)	POLR1A (2.8)	CAD (2.7)	BUD13 (2.5)
ZNF259 (2.9)	STRC (2.9)	SUGP1 (2.6)	ZNF408 (2.6)	DHODH (2.4)
GATAD2A (2.7)	TUBGCP4 (2.6)	MAU2 (2.4)	AMBRA1 (2.3)	CITED2 (2.3)
NRBP1 (2.6)	ARHGAP1 (2.5)	ARFGAP2 (2.3)	KHK (2.3)	LSM12 (2.3)
ENSG00000256746 (2	KBTBD4 (2.0)	ANGPTL4 (1.9)	AMBRA1 (1.8)	RSPO3 (1.8)
ARID1A (3.0)	AFF1 (2.8)	DHX38 (2.7)	LSM12 (2.7)	ZNF335 (2.6)
FUT1 (3.1)	KRTCAP3 (2.6)	ENSG00000182319 (2	PPIP5K1 (2.4)	DOCK6 (2.3)
LPA (2.5)	CETP (2.2)	ENSG00000236267 (2	PCSK7 (2.0)	ACP2 (2.0)
SUPT7L (2.8)	MPV17 (2.7)	C11orf49 (2.4)	MAPK10 (2.4)	PAFAH1B2 (2.3)
EIF3J (2.4)	BUD13 (2.2)	DNAJC5G (2.1)	NOP58 (2.0)	TMED5 (2.0)
BUD13 (3.1)	PCIF1 (3.0)	CELF1 (2.9)	GTF3C2 (2.7)	NOP58 (2.7)
FZD9 (3.5)	PTPN13 (2.9)	CYP26A1 (2.9)	RFX4 (2.4)	SOST (2.3)
ENSG00000253379 (3	PTPN13 (2.7)	KLF14 (2.6)	CYP26A1 (2.6)	EMILIN1 (2.2)
NOP58 (2.7)	EIF3J (2.7)	POLR1A (2.5)	ZNF259 (2.5)	CELF1 (2.4)
CMIP (2.3)	PCIF1 (2.2)	ZNF335 (2.2)	CITED2 (2.2)	BCL3 (2.0)
EPB41L3 (2.1)	PYY (2.0)	AGBL5 (1.8)	RSPO3 (1.8)	ARID1A (1.7)
APOA4 (2.5)	ACP2 (2.5)	FUT1 (2.3)	NCAN (2.0)	LRP4 (1.8)
TMEM214 (2.9)	APOA1 (2.5)	CTSB (2.4)	APOA4 (2.4)	PPIP5K1 (2.3)
ENSG00000235545 (2	PYY (2.1)	C1QTNF4 (2.1)	TECTB (2.0)	ABO (2.0)
RBKS (2.2)	ENSG00000223522 (2	PIGV (1.9)	CCDC121 (1.8)	BRE (1.8)

EMILIN1 (2.2)	TAGLN (2.0)	SLC22A3 (2.0)	RSPO3 (2.0)	ENSG00000253379 (2
RASIP1 (2.3)	IGF2R (2.3)	APOE (2.2)	ENSG00000256731 (2	SFN (1.9)
NSMAF (2.2)	JMJD1C (2.2)	EPB41L3 (2.0)	EMILIN1 (2.0)	CMIP (1.8)
DPYSL5 (2.6)	DNAH10 (2.1)	PTPN13 (2.0)	TMEM101 (1.9)	FZD9 (1.8)
NRBP1 (2.6)	JMJD1C (2.4)	CSGALNACT1 (2.4)	MAPRE3 (2.3)	HDAC5 (2.1)
ZDHHC18 (2.7)	BAZ1B (2.4)	WDR76 (2.3)	BUD13 (2.2)	CTDSPL2 (2.2)
CELF1 (3.0)	DOCK7 (2.8)	BAZ1B (2.7)	ZNF335 (2.7)	BUD13 (2.6)
ABO (3.4)	TDH (3.1)	GATA4 (3.0)	C11orf9 (3.0)	MYBPC3 (2.3)
MLXIPL (2.6)	PPY (2.6)	CGREF1 (2.5)	NR0B2 (2.2)	PYY (2.2)
TMED5 (3.8)	CLPTM1 (3.1)	REEP3 (2.8)	ATP13A1 (2.6)	C2orf28 (2.2)
EIF3J (2.5)	BUD13 (2.2)	CITED2 (2.1)	ZNF408 (2.1)	CMIP (2.1)
RASIP1 (2.9)	ZNF664 (2.6)	BAZ1B (2.4)	ENSG00000182319 (2	SDCBP (2.1)
GPN1 (3.2)	PTCD3 (3.1)	POLR1A (2.9)	INTS10 (2.9)	DOCK7 (2.8)
INTS10 (2.6)	ZNF512 (2.5)	LSM12 (2.5)	SUPT7L (2.4)	ENSG00000200241 (2
MAFF (3.1)	PPIP5K1 (3.0)	JMJD1C (3.0)	CITED2 (2.7)	CCDC92 (2.5)
CAD (3.8)	TOMM40 (3.8)	EIF2B4 (3.6)	GPN1 (3.5)	PTCD3 (3.5)
PPM1G (3.0)	BUD13 (2.8)	USP1 (2.7)	NOP58 (2.7)	SUGP1 (2.5)
DOCK7 (2.7)	ATG4C (2.4)	IFT172 (2.3)	JMJD1C (2.1)	TP53BP1 (2.1)
MAU2 (3.6)	TMEM175 (2.9)	ZNF335 (2.6)	SIDT2 (2.5)	TMEM101 (2.4)
CSGALNACT1 (2.3)	AFF1 (2.1)	LINC00208 (1.8)	CD300LG (1.7)	CMIP (1.7)
TECTB (2.3)	CILP2 (2.2)	CITED2 (2.2)	RSPO3 (2.1)	SDC1 (1.9)
TM6SF2 (2.3)	C2orf53 (2.1)	CBLC (2.1)	GMIP (2.0)	CETP (1.9)
SFN (2.2)	NRBP1 (2.1)	AGBL5 (2.1)	GTF3C2 (2.0)	TRIB1 (2.0)
ABO (2.2)	MTMR9 (2.0)	ENSG00000222035 (1	ATP13A1 (1.9)	NAT2 (1.7)
ZNF259 (4.0)	EIF3J (3.5)	DHODH (3.2)	CAD (3.2)	PTCD3 (3.1)
AGBL2 (2.5)	FZD9 (2.3)	HP (2.3)	PIGV (2.3)	ACP2 (2.1)
BCL7B (2.9)	PVRL2 (2.9)	PCIF1 (2.7)	TUBGCP4 (2.5)	ARFGAP2 (2.5)
TM6SF2 (2.5)	NCAN (2.5)	ATP13A1 (2.1)	TBL2 (2.1)	APOA4 (2.1)
ENSG00000254235 (2	ENSG00000222035 (2	SOST (2.2)	LRP4 (2.1)	ENSG00000236267 (2
FADS2 (2.5)	C19orf80 (2.5)	VEGFA (2.4)	SDCBP (2.4)	MTCH2 (2.3)
TECTB (2.3)	ZNF513 (2.2)	HAVCR1 (2.0)	ENSG00000256746 (1	RBKS (1.7)
NSMAF (2.3)	LINC00208 (1.9)	MAFF (1.8)	ABCA1 (1.7)	BNC2 (1.6)
ENSG00000236827 (2	INTS10 (2.1)	MRPL33 (2.1)	DHX38 (2.1)	GPN1 (2.0)
ARFGAP2 (3.2)	RIC8B (3.1)	NDUFS3 (3.0)	IMMT (2.7)	MRPL35 (2.7)
ZNF512 (2.8)	PPM1G (2.8)	USP1 (2.8)	ARID1A (2.6)	BUD13 (2.5)
ENSG00000182329 (2	SUMO1 (2.0)	FGF21 (1.9)	AMBRA1 (1.8)	BUD13 (1.8)
ATP13A1 (2.4)	AGBL5 (2.2)	NOP58 (1.9)	EIF2B4 (1.9)	IMMT (1.8)
NOP58 (2.7)	PPM1G (2.7)	LSM12 (2.5)	DHX38 (2.5)	GATAD2A (2.4)
KANK2 (2.2)	ABO (2.1)	ATG4C (2.1)	ACP2 (2.0)	KRTCAP3 (2.0)
SNX17 (3.9)	AGBL5 (3.8)	PREB (2.7)	CAD (2.6)	RFX4 (2.6)
FADS1 (3.2)	GPAM (3.0)	C19orf80 (2.9)	FADS2 (2.8)	CYP7A1 (2.7)
GMIP (2.1)	COBLL1 (2.0)	SIK3 (2.0)	PAFAH1B2 (2.0)	ABO (1.9)
RSPO3 (2.4)	FZD9 (2.3)	CYP26A1 (2.3)	PTPN13 (2.2)	LRP4 (2.1)
BRE (2.2)	RFX4 (2.1)	CLPTM1 (2.1)	TMEM175 (2.0)	C11orf49 (2.0)
BUD13 (3.0)	PCIF1 (2.8)	NOP58 (2.8)	PPM1G (2.8)	GTF3C2 (2.7)
CSGALNACT1 (2.9)	AFF1 (2.7)	VEGFA (2.6)	HDAC5 (2.5)	DOCK6 (2.2)
SOST (2.6)	C2orf53 (2.5)	DNAH10 (2.3)	TECTB (1.9)	CILP2 (1.8)
HGFAC (3.2)	CCDC92 (3.0)	APOC4 (2.9)	GCKR (2.9)	NAGS (2.9)
GPN1 (3.3)	PTCD3 (3.0)	INTS10 (2.8)	CTDSPL2 (2.8)	DOCK7 (2.7)
GPN1 (3.6)	DHX38 (3.2)	TOMM40 (3.1)	PTCD3 (3.0)	CAD (2.7)

CMIP (3.1)	FUT1 (3.0)	SFN (3.0)	TRNP1 (2.8)	LPAR2 (2.7)
ABHD1 (2.8)	VEGFA (2.6)	TBL2 (2.6)	FUT2 (2.5)	TECTB (2.4)
NOP58 (3.9)	DHX38 (3.9)	ZNF259 (3.5)	ATP13A1 (3.4)	NUP160 (3.2)
C19orf80 (2.4)	HAVCR1 (2.4)	BNC2 (2.3)	ENSG00000255020 (2	ABHD1 (1.8)
C8orf49 (2.3)	DNAJC5G (2.3)	GATAD2A (2.3)	NEIL2 (2.1)	LPAR2 (2.1)
EIF3J (3.8)	TOMM40 (3.5)	GPN1 (3.3)	PTCD3 (3.3)	CAD (3.3)
ZNF408 (3.6)	MAU2 (3.4)	KBTBD4 (3.3)	MFAP1 (2.9)	ZNF259 (2.7)
CYP26A1 (2.6)	BNC2 (2.6)	IGF2R (2.3)	BCAM (2.0)	RSPO3 (2.0)
HAPLN4 (2.4)	TBL2 (2.4)	ABCA1 (2.3)	SOST (2.2)	C2orf28 (2.2)
CMIP (2.3)	CLPTM1 (2.3)	MPP2 (2.2)	ENSG00000226645 (2	NCAN (2.0)
ENSG00000257711 (2	ZNF335 (2.4)	BCL3 (2.3)	PBX4 (2.2)	PIGV (2.2)
FNBP4 (3.0)	GTF3C2 (2.7)	ATP13A1 (2.7)	DHX38 (2.6)	POLR1A (2.5)
C11orf49 (2.7)	DHX38 (2.6)	PTPRJ (2.4)	SOST (2.3)	TMED5 (2.2)
ABO (2.4)	CITED2 (2.2)	TAGLN (2.0)	C17orf105 (1.9)	MAMSTR (1.9)
MAPRE3 (2.8)	CITED2 (2.8)	SIK3 (2.7)	FADS2 (2.7)	ZNF513 (2.7)
LRP4 (3.0)	FZD9 (3.0)	FUT2 (3.0)	FAM167A (2.6)	CYP26A1 (2.6)
PYY (2.3)	EPB41L3 (2.2)	C19orf80 (2.0)	LRP4 (2.0)	VEGFA (1.8)
SNX17 (3.0)	ARHGAP1 (2.9)	CHMP3 (2.9)	SDCBP (2.6)	CLPTM1 (2.6)
TOMM40 (3.5)	PTCD3 (3.4)	GPN1 (3.3)	DHX38 (3.1)	EIF2B4 (2.8)
FEN1 (3.3)	BAZ1B (3.2)	FNBP4 (3.1)	GTF3C2 (3.0)	NOP58 (2.9)
BNC2 (3.2)	EMILIN1 (3.0)	LRP4 (3.0)	TMEM101 (3.0)	RSPO3 (2.3)
PTPN13 (2.1)	ZDHHC18 (2.1)	ENSG00000256746 (2	HP (1.9)	NRBF2 (1.7)
MAMSTR (2.2)	PTPN13 (2.1)	FADS2 (2.1)	PCIF1 (2.0)	EMILIN1 (1.9)
BNC2 (2.3)	PMFBP1 (1.9)	PYY (1.9)	KANK2 (1.9)	FZD9 (1.9)
ENSG00000234945 (2	ENSG00000255020 (2	CYP26A1 (2.4)	MAPK10 (2.4)	CYP7A1 (2.3)
IMMT (2.9)	EIF2B4 (2.7)	ATP13A1 (2.7)	NUP160 (2.5)	ZNF259 (2.4)
ACP2 (2.8)	ABCA1 (2.7)	PLTP (2.5)	C2orf28 (2.3)	MPV17 (2.3)
ZNF664 (2.5)	IGF2R (2.5)	SPG11 (2.4)	C11orf9 (2.2)	AFF1 (2.2)
SDCBP (2.7)	PDIA3 (2.4)	MTCH2 (2.4)	ZNF408 (2.2)	CHMP3 (2.2)
EMILIN1 (3.0)	CYP26A1 (3.0)	FUT2 (2.6)	LRP4 (2.3)	SDC1 (2.3)
CITED2 (2.3)	AMBRA1 (2.2)	AGBL5 (2.2)	SLC22A3 (2.0)	SDCBP (2.0)
BMPR2 (3.1)	CYP7A1 (2.2)	COBLL1 (2.0)	UCN (2.0)	SLC22A3 (2.0)
SIK3 (3.1)	PCIF1 (2.9)	ARID1A (2.6)	AFF1 (2.3)	ZDHHC18 (2.2)
AFF1 (2.8)	DR1 (2.8)	BUD13 (2.7)	MYBPC3 (2.7)	PAFAH1B2 (2.7)
CASC4 (2.1)	RSPO3 (2.1)	BCAM (2.1)	EMILIN1 (2.0)	STRC (2.0)
FUT2 (3.2)	TMEM101 (3.0)	PCSK7 (3.0)	PDIA3 (2.9)	C2orf28 (2.9)
MAPK10 (2.1)	ATG4C (2.0)	JMJD1C (2.0)	SNX17 (1.9)	MADD (1.8)
KANK2 (3.4)	TRIM54 (3.4)	EMILIN1 (3.3)	SFN (2.7)	ENSG00000182319 (2
KDM3A (2.2)	DNAJC5G (2.2)	TBL2 (1.9)	TSSK6 (1.9)	ZNF664 (1.8)
IMMT (3.0)	MTCH2 (2.7)	SNX17 (2.7)	AMBRA1 (2.5)	C2orf28 (2.5)
RASIP1 (2.5)	TDH (2.4)	JMJD1C (2.3)	ENSG00000182319 (2	DPYSL5 (2.1)
ARHGAP1 (2.4)	BRE (2.4)	ZNF513 (2.4)	EMILIN1 (2.2)	GATA4 (2.1)
TOMM40 (4.2)	PTCD3 (3.5)	EIF3J (3.5)	DHX38 (3.2)	CAD (3.1)
FRMD5 (2.9)	FZD9 (2.7)	ENSG00000254235 (2	ENSG00000236827 (2	C11orf9 (2.0)
TOMM40 (3.9)	EIF3J (3.5)	DHODH (3.1)	CAD (3.0)	PTCD3 (3.0)
IMMT (2.4)	AGBL5 (2.3)	PTCD3 (2.3)	C19orf80 (2.2)	MTCH2 (2.1)
FNBP4 (2.3)	BUD13 (2.3)	DR1 (2.1)	CKAP5 (2.1)	CETP (2.0)
CCDC121 (2.3)	DOCK6 (2.2)	ZNF513 (2.2)	BAZ1B (2.0)	ATG4C (2.0)
FADS1 (2.2)	ENSG00000256731 (2	ABO (2.1)	EPB41L3 (2.0)	LPAR2 (2.0)
ARHGAP1 (2.5)	KANK2 (2.3)	NAT2 (2.3)	PACSIN3 (2.0)	GMIP (2.0)

CSGALNACT1 (2.2)	BCL7B (2.0)	RSPO3 (1.9)	KRTCAP3 (1.7)	ENSG00000223522 (1
KHK (2.4)	PYY (2.3)	UCN (2.3)	NAT2 (2.2)	AMBRA1 (2.2)
CATSPER2 (1.9)	DDB2 (1.7)	PDIA3 (1.7)	ABHD1 (1.6)	TMEM101 (1.6)
GALNT2 (2.5)	CATSPER2 (2.4)	FRMD5 (2.4)	REEP3 (2.1)	CGREF1 (2.0)
SIK3 (2.8)	IGF2R (2.7)	AFF1 (2.7)	SPG11 (2.5)	LPAR2 (2.4)
C11orf9 (2.5)	DOCK7 (2.1)	GATA4 (2.1)	CBLC (2.1)	SDC1 (2.0)
TDH (1.8)	NFE2L3 (1.8)	ATP13A1 (1.7)	PGS1 (1.7)	PTPRJ (1.7)
IFT172 (2.5)	PPY (2.5)	VEGFA (2.3)	SUPT7L (2.2)	GATAD2A (2.1)
NCAN (2.3)	CCDC121 (2.3)	ENSG00000253379 (2	ABCA1 (2.1)	GPAM (2.0)
LRP4 (2.5)	PYY (2.2)	EPB41L3 (2.0)	MLXIPL (1.9)	ENSG00000236827 (1
ATG13 (2.1)	TMEM101 (2.0)	ENSG00000255020 (2	ENSG00000253379 (1	LRP4 (1.9)
KRTCAP3 (3.4)	LPAR2 (2.9)	ENSG00000182319 (2	FUT1 (2.6)	TRNP1 (2.5)
TOMM40 (4.0)	PTCD3 (3.5)	EIF3J (3.4)	GPN1 (3.3)	CAD (3.2)
TDH (2.1)	LRP4 (2.1)	KANK2 (2.0)	LPAR2 (2.0)	DPYSL5 (2.0)
SNX17 (2.4)	PCIF1 (2.3)	ARID1A (2.1)	CAD (2.1)	CELF1 (1.9)
DHODH (3.5)	TOMM40 (3.3)	EIF3J (3.3)	GPN1 (3.2)	CAD (2.7)
EIF2B4 (3.3)	FNBP4 (3.2)	GTF3C2 (3.2)	ZNF259 (3.1)	CAD (2.9)
TOMM40 (3.9)	PTCD3 (3.4)	EIF2B4 (3.4)	DHODH (3.2)	GPN1 (3.2)
NFE2L3 (1.9)	ABCA1 (1.6)	DDB2 (1.5)	ACP2 (1.5)	BCL7B (1.5)
PGS1 (2.7)	ATG4C (2.3)	CITED2 (2.3)	TRIB1 (2.0)	GMIP (2.0)
GPN1 (2.9)	CTDSPL2 (2.8)	BUD13 (2.6)	NUP160 (2.6)	INTS10 (2.6)
CCDC121 (2.4)	BCAM (2.3)	RSPO3 (2.3)	G6PC3 (2.2)	CGREF1 (2.1)
BCAM (3.4)	KRTCAP3 (3.3)	EMILIN1 (2.9)	C1orf172 (2.7)	SDC1 (2.3)
MYBPC3 (2.5)	FEN1 (2.4)	APOB (2.2)	CMIP (2.2)	FUT2 (2.2)
EPB41L3 (1.9)	C8orf12 (1.8)	KHK (1.7)	DNAH10 (1.7)	HDAC5 (1.6)
FAM167A (2.7)	PIGV (2.1)	CTDSPL2 (2.0)	GALNT2 (2.0)	JMJD1C (1.9)
NRBP1 (3.5)	EIF2B4 (3.4)	CLPTM1 (3.2)	MTCH2 (3.2)	PDIA3 (3.1)
CYP26A1 (2.0)	SIDT2 (1.8)	HAVCR1 (1.7)	LPA (1.7)	TMED5 (1.6)
CASC4 (2.3)	TSSK6 (2.2)	ENSG00000235545 (2	UCN (2.1)	ENSG00000236267 (1
USP1 (2.6)	BUD13 (2.6)	ZNF512 (2.6)	NOP58 (2.6)	DHX38 (2.6)
TOMM40 (2.6)	ZNF259 (2.4)	PTCD3 (2.3)	CAD (2.2)	GPN1 (2.2)
PVRL2 (2.6)	GATA4 (2.4)	LSM12 (2.1)	NAGS (2.0)	APOB (2.0)
CCDC18 (2.1)	LINC00208 (2.0)	RBKS (1.9)	ARID1A (1.8)	CATSPER2 (1.8)
BLK (2.6)	GATAD2A (2.4)	TIMD4 (2.0)	MAU2 (2.0)	GTF3C2 (2.0)
KBTBD4 (2.9)	POLR1A (2.8)	PCIF1 (2.8)	GTF3C2 (2.7)	BRE (2.6)
BNC2 (2.4)	MAMSTR (2.3)	ENSG00000254235 (2	PYY (2.3)	IFT172 (2.1)
ABCA1 (2.8)	CTSB (2.7)	PTPRJ (1.9)	ZDHHC18 (1.8)	TIMD4 (1.7)
ZNF408 (3.4)	BUD13 (3.2)	KBTBD4 (3.0)	MAU2 (3.0)	MFAP1 (3.0)
BRE (2.6)	ENSG00000254235 (2	JMJD1C (2.6)	POLR1A (2.1)	MPV17 (2.0)
BAZ1B (2.9)	ATP13A1 (2.7)	USP1 (2.4)	PCIF1 (2.4)	ZNF664 (2.4)
TOMM40 (4.1)	PTCD3 (3.4)	CAD (3.3)	GPN1 (3.2)	EIF2B4 (3.2)
FZD9 (2.4)	CILP2 (2.3)	CD300LG (2.3)	PVRL2 (2.2)	KLF14 (2.1)
PTPRJ (2.7)	CMIP (2.6)	MADD (2.5)	EMILIN1 (2.2)	LIPC (2.1)
CAD (3.8)	EIF3J (3.3)	GPN1 (3.2)	PTCD3 (3.2)	TOMM40 (3.0)
HDAC5 (2.9)	CITED2 (2.6)	TRIB1 (2.6)	ZNF335 (2.6)	BUD13 (2.6)
TSSK6 (3.4)	ENSG00000257711 (3	ENSG00000234945 (2	FUT2 (2.6)	ABHD1 (2.5)
C2orf16 (2.6)	ENSG00000256746 (2	SOST (2.5)	PVRL2 (2.5)	C8orf49 (2.3)
FUT1 (2.6)	CTDSPL2 (2.5)	PCSK7 (2.5)	NFE2L3 (2.5)	REEP1 (2.5)
FUT1 (2.2)	IZUMO1 (2.2)	SFN (2.1)	UCN (2.0)	ZNF408 (2.0)
MAMSTR (3.0)	LPL (2.7)	EMILIN1 (2.6)	PACSIN3 (2.3)	MAP1A (2.3)

FAM167A (2.3)	SLC5A6 (2.1)	ZDHHC18 (2.0)	LRP4 (2.0)	AMBRA1 (1.9)
GTF3C2 (3.0)	ARFGAP2 (3.0)	CAD (2.7)	MRPL35 (2.7)	PPIP5K1 (2.6)
LRP4 (2.6)	SIDT2 (2.5)	FZD9 (2.3)	BCAM (2.1)	CCDC18 (2.0)
RSPO3 (2.9)	C2orf16 (2.8)	DNAH10 (2.7)	ENSG00000256746 (2	TMEM101 (2.5)
ENSG00000234945 (2	CCDC121 (2.2)	C8orf12 (2.1)	ENSG00000226645 (2	CASC4 (2.0)
MAPRE3 (1.7)	ENSG00000255020 (1	ABO (1.6)	REEP1 (1.6)	MPP2 (1.6)
GPN1 (2.7)	ARID1A (2.4)	AMBRA1 (2.3)	PPM1G (2.2)	CKAP5 (2.2)
LINC00208 (2.4)	MAFF (2.4)	PPY (2.0)	FZD9 (2.0)	KANK2 (1.9)
CD300LG (2.2)	HDAC5 (2.0)	CSGALNACT1 (1.9)	ZNF513 (1.9)	ARFGAP2 (1.8)
GATA4 (2.9)	EPB41L3 (2.6)	SLC22A1 (2.4)	RSPO3 (2.2)	RASIP1 (2.2)
ARID1A (2.8)	NOP58 (2.8)	PPM1G (2.7)	SUGP1 (2.7)	CAD (2.7)
FUT1 (3.4)	SDC1 (3.3)	KRTCAP3 (2.7)	ENSG00000182319 (2	PTPN13 (2.4)
RBKS (2.8)	ENSG00000236267 (2	C1orf172 (2.6)	PMFBP1 (2.0)	GMIP (1.8)
PTPN13 (2.4)	CCDC121 (2.3)	ABO (2.1)	RFX4 (1.7)	DPYSL5 (1.7)
TOMM40 (4.2)	DHX38 (3.4)	PTCD3 (3.2)	CAD (3.1)	DHODH (3.0)
MTF2 (2.4)	ZDHHC18 (2.3)	AFF1 (2.2)	CTDSPL2 (2.1)	ENSG00000223522 (1
AFF1 (2.3)	UCN (2.3)	GMIP (2.1)	EMILIN1 (2.0)	LPAR2 (2.0)
GATA4 (3.3)	CD300LG (2.9)	MLXIPL (2.0)	TRIM54 (1.9)	GPAM (1.9)
CASC4 (2.4)	UCN (2.2)	ENSG00000255020 (2	TSSK6 (2.0)	CSGALNACT1 (1.9)
NAT2 (2.3)	ABO (2.2)	GCKR (2.0)	FAM167A (2.0)	FNDC4 (2.0)
VEGFA (3.2)	BCL3 (2.9)	FGF21 (2.7)	BCL7B (2.6)	SPG11 (2.5)
PCIF1 (2.8)	ZNF512 (2.8)	DR1 (2.7)	NUP160 (2.7)	NOP58 (2.7)
PTPN13 (2.8)	CBLC (2.6)	DPYSL5 (2.4)	RSPO3 (2.3)	BNC2 (2.3)
SDC1 (2.8)	CSGALNACT1 (2.6)	CTSB (2.3)	MPP3 (2.1)	TRIB1 (1.6)
TXNL4B (2.9)	TUBGCP4 (2.8)	HARBI1 (2.4)	ENSG00000179523 (2	POLR1A (2.3)
PTCD3 (2.6)	GPN1 (2.5)	TOMM40 (2.5)	PPM1G (2.4)	DHX38 (2.3)
TSSK6 (2.3)	CMIP (2.2)	USP1 (2.1)	ATG4C (2.0)	SUMO1 (2.0)
MADD (2.8)	BRE (2.6)	ATP13A1 (2.2)	AFF1 (2.1)	CTSB (2.0)
NFE2L3 (2.4)	SLC22A3 (2.0)	C2orf16 (2.0)	NEIL2 (1.9)	ABCA1 (1.8)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
RSPO3 (2.3)	CCDC121 (2.1)	CGREF1 (2.1)	DPYSL5 (1.9)	BCAM (1.9)
MRPL33 (2.7)	IZUMO1 (2.7)	ENSG00000200241 (2	NRBF2 (2.5)	PTPMT1 (2.5)
BNC2 (2.3)	PMFBP1 (2.0)	KANK2 (1.9)	FZD9 (1.8)	C1QTNF4 (1.8)
DUSP3 (3.0)	SPG11 (3.0)	KANK2 (3.0)	C11orf9 (2.9)	ZNF335 (2.7)
NOP58 (2.4)	ARFGAP2 (2.3)	GATAD2A (2.2)	FNBP4 (2.2)	CATSPER2 (2.1)
POLR1A (2.6)	GPN1 (2.5)	PTCD3 (2.4)	IMMT (2.3)	PPM1G (2.2)
CILP2 (2.3)	HDAC5 (2.3)	MAFF (2.2)	ENSG00000253379 (2	ENSG00000257711 (2
DHODH (2.5)	ENSG00000223745 (2	GPN1 (2.2)	GATAD2A (2.1)	EIF3J (2.0)
TRNP1 (2.6)	ENSG00000236827 (2	LRP4 (2.5)	BMPR2 (2.2)	PYY (2.1)
SIDT2 (2.3)	FNBP4 (2.0)	JMJD1C (2.0)	FAM167A (2.0)	NRBF2 (1.9)
TMEM175 (4.2)	TMEM101 (4.0)	TMEM214 (4.0)	TBL2 (3.6)	G6PC3 (3.5)
ENSG00000223522 (2	ENSG00000223745 (2	KLF14 (2.2)	CMIP (2.1)	C2orf28 (2.0)
TMED5 (3.3)	NRBF2 (3.3)	TMEM101 (3.0)	C2orf28 (3.0)	PCSK7 (2.8)
BLK (2.6)	ZNF512 (2.5)	JMJD1C (2.5)	MTF2 (2.5)	BCL3 (2.4)

BNC2 (2.4)	NR0B2 (2.2)	APOB (2.1)	FDFT1 (2.0)	APOA4 (1.9)
CCDC121 (2.1)	FUT2 (2.1)	ATG4C (2.0)	HAVCR1 (1.9)	PTPN13 (1.9)
TRIB1 (2.8)	SOST (2.5)	CYP26A1 (2.4)	CCDC92 (2.3)	EPB41L3 (2.1)
GMIP (2.4)	PCSK7 (2.2)	AFF1 (2.2)	MPV17 (1.8)	NRBF2 (1.8)
BUD13 (1.9)	EIF3J (1.9)	POLR1A (1.8)	ENSG00000226645 (1	GATAD2A (1.8)
NUP160 (2.9)	CAD (2.8)	JMJD1C (2.6)	NOP58 (2.5)	KDM3A (2.4)
NUP160 (2.9)	CAD (2.8)	JMJD1C (2.6)	NOP58 (2.5)	KDM3A (2.4)
ZNF513 (2.1)	GMIP (2.1)	BLK (2.1)	JMJD1C (2.1)	DOCK7 (2.1)
ARID1A (2.8)	IGF2R (2.5)	TRIB1 (2.1)	BMPR2 (2.1)	KDM3A (2.0)
LRP4 (3.1)	DNAJC5G (2.7)	CCDC121 (2.6)	TDH (2.3)	NCAN (1.9)
ENSG00000256746 (2	LPA (2.3)	TMEM175 (2.2)	FDFT1 (2.2)	MTMR9 (2.2)
TRIB1 (2.5)	GMIP (2.3)	CTSB (2.0)	LINC00208 (2.0)	PTPRJ (1.8)
HARBI1 (3.1)	PACSIN3 (2.9)	ARID1A (2.8)	ARFGAP2 (2.7)	BAZ1B (2.6)
BCAM (2.7)	TOMM40 (2.7)	CHMP3 (2.7)	CCDC121 (2.5)	C1orf172 (2.5)
SDC1 (1.9)	KDM3A (1.9)	SPG11 (1.9)	AMBRA1 (1.8)	ATG4C (1.7)
GPAM (3.7)	SLC22A3 (3.3)	PLA2G6 (3.3)	FGF21 (2.6)	ENSG00000256731 (2
CTDSPL2 (2.3)	TRIB1 (2.2)	ZNF512 (2.1)	AGBL5 (2.1)	REEP1 (2.1)
TOMM40 (3.6)	PTCD3 (3.4)	GPN1 (3.1)	EIF3J (2.6)	GPN2 (2.5)
FUT1 (2.8)	SLC30A3 (2.6)	DNAH10 (2.5)	HAVCR1 (2.4)	BCAM (2.2)
GTF3C2 (2.8)	PPM1G (2.7)	DHX38 (2.7)	CELF1 (2.6)	NOP58 (2.6)
ZNF259 (2.1)	ATP13A1 (2.0)	NOP58 (1.9)	ARHGAP1 (1.9)	C11orf49 (1.9)
ZNF513 (2.7)	GMIP (1.9)	DR1 (1.9)	CITED2 (1.8)	NRBF2 (1.8)
MLXIPL (2.5)	GALNT2 (2.2)	JMJD1C (1.9)	KLF14 (1.9)	ENSG00000253379 (1
FNDC4 (2.6)	ENSG00000253379 (2	ABHD1 (2.3)	KLF14 (2.2)	NR0B2 (2.2)
ARID1A (3.0)	MFAP1 (2.9)	MTF2 (2.7)	USP1 (2.6)	ENSG00000256731 (2
APOB (2.5)	SDC1 (2.4)	ABO (2.2)	TAGLN (2.1)	KRTCAP3 (2.0)
ZNF259 (3.2)	PTCD3 (2.5)	DHX38 (2.4)	SUGP1 (2.3)	UCN (2.2)
HAVCR1 (2.3)	CCDC121 (2.2)	BNC2 (2.0)	ABO (2.0)	STRC (1.9)
IGF2R (2.3)	C11orf9 (2.1)	MAFF (2.1)	TRIB1 (2.1)	MLXIPL (2.1)
CYP7A1 (2.6)	UBXN2B (2.3)	DHODH (2.2)	FUT1 (2.2)	HGFAC (2.0)
BCL3 (2.8)	GMIP (2.7)	TIMD4 (2.6)	ZDHHC18 (2.2)	NR1H3 (2.2)
ZNF664 (2.9)	HARBI1 (2.9)	SPG11 (2.7)	GALNT2 (2.6)	ARFGAP2 (2.6)
ENSG00000179523 (1	MAPK10 (1.8)	DOCK7 (1.8)	PTPN13 (1.8)	DPYSL5 (1.6)
MTF2 (3.3)	BUD13 (3.2)	CTDSPL2 (3.1)	MFAP1 (2.8)	GPN2 (2.8)
PIGV (4.0)	TMED5 (3.9)	TMEM101 (3.7)	C2orf28 (3.5)	PREB (3.4)
NFE2L3 (2.4)	EIF2B4 (2.3)	NRBP1 (2.1)	PCIF1 (2.0)	HDAC5 (1.8)
ENSG00000236267 (2	PGS1 (2.3)	C2orf16 (1.9)	AFF1 (1.7)	DNAJC5G (1.7)
HDAC5 (2.4)	PLA2G6 (2.4)	PCIF1 (2.1)	NRBP1 (1.9)	BCL7B (1.9)
KRTCAP3 (3.7)	FUT1 (3.4)	ZNF664 (3.4)	BCAM (3.4)	SFN (3.1)
HAPLN4 (2.9)	GPAM (2.7)	MAPK10 (2.6)	PPIP5K1 (2.4)	LPL (2.3)
HAPLN4 (2.4)	APOE (2.3)	MAFF (2.2)	FZD9 (2.1)	RFX4 (2.0)
BCL3 (2.0)	PMFBP1 (1.9)	NFE2L3 (1.9)	ENSG00000236827 (1	MAFF (1.7)
ABHD1 (2.6)	ENSG00000255020 (2	MAPK10 (2.5)	CYP26A1 (2.3)	C11orf9 (2.1)
DUSP3 (2.7)	LPAR2 (2.6)	BMPR2 (2.6)	SPG11 (2.5)	AFF1 (2.5)
DHODH (3.6)	TOMM40 (3.5)	PTCD3 (3.3)	GPN1 (3.2)	EIF2B4 (2.8)
C1QTNF4 (2.5)	FADS1 (2.4)	ACP2 (2.3)	DPYSL5 (2.1)	FDFT1 (2.0)
SFN (3.2)	FUT1 (3.0)	PTPN13 (2.8)	SDC1 (2.6)	ENSG00000182319 (2
PACSIN3 (3.2)	VEGFA (2.8)	DOCK6 (2.5)	KANK2 (2.5)	GATA4 (2.3)
DPYSL5 (2.9)	LRP4 (2.4)	CCDC121 (2.3)	BCAM (2.2)	FUT1 (2.1)
IZUMO1 (2.6)	ENSG00000255020 (2	C11orf9 (2.3)	C2orf16 (2.3)	COBLL1 (2.3)

GMIP (2.4)	CD300LG (2.0)	BCL3 (2.0)	HAVCR1 (1.8)	NSMAF (1.8)
DOCK6 (2.4)	HAPLN4 (2.2)	IFT172 (2.1)	BMPR2 (2.0)	MTF2 (2.0)
SUGP1 (3.3)	BUD13 (3.1)	MAU2 (2.8)	NOP58 (2.8)	INTS10 (2.7)
TOMM40 (4.0)	EIF2B4 (3.6)	GPN1 (3.6)	DHODH (3.5)	EIF3J (3.2)
ARFGAP2 (2.7)	IMMT (2.6)	RIC8B (2.6)	AMBRA1 (2.5)	NDUFS3 (2.5)
PACSIN3 (2.7)	GTF3C2 (2.6)	DDB2 (2.4)	FNBP4 (2.3)	KLF14 (2.1)
USP1 (2.9)	CKAP5 (2.9)	POLR1A (2.9)	GPN1 (2.9)	CTDSPL2 (2.8)
C2orf28 (4.2)	TMEM101 (3.9)	TMEM175 (3.8)	PIGV (3.6)	ACP2 (3.5)
JMJD1C (2.5)	AFF1 (2.5)	ZNF408 (2.3)	MAU2 (2.3)	BLK (2.3)
NOP58 (3.1)	SUGP1 (3.0)	EIF3J (2.8)	EIF2B4 (2.8)	GPN1 (2.7)
SUGP1 (3.0)	DHX38 (2.9)	GTF3C2 (2.9)	NUP160 (2.8)	NOP58 (2.7)
BCL3 (2.0)	BLK (1.7)	ZDHHC18 (1.7)	GMIP (1.6)	ENSG00000179523 (1
ENSG00000223745 (2	FUT2 (2.3)	MAPK10 (2.2)	HAPLN4 (2.0)	ABO (1.8)
BRE (2.4)	CCDC92 (2.2)	IZUMO1 (2.1)	GALNT2 (1.8)	MAPRE3 (1.8)
KHK (2.1)	CILP2 (2.1)	CAD (1.8)	MTF2 (1.8)	DHODH (1.8)
RASIP1 (2.8)	DUSP3 (2.5)	KANK2 (2.4)	NAT2 (2.4)	NAGS (2.4)
ANGPTL4 (2.8)	MAPK10 (2.7)	LPAL2 (2.7)	UCN (2.4)	PTPRJ (2.3)
C1QTNF4 (2.6)	FZD9 (2.5)	DNAH10 (2.3)	NR0B2 (2.0)	FDFT1 (2.0)
REEP1 (2.7)	ENSG00000182319 (2	FRMD5 (2.4)	MPP3 (2.3)	FNDC4 (2.1)
C8orf49 (2.6)	MYBPC3 (2.4)	C2orf16 (2.3)	SIDT2 (2.2)	SOST (2.2)
DHODH (3.1)	GPN2 (2.9)	EIF2B4 (2.8)	NOP58 (2.7)	FNBP4 (2.6)
CITED2 (2.7)	KANK2 (2.5)	ARID1A (2.3)	DUSP3 (2.0)	HDAC5 (1.9)
PTCD3 (1.9)	NSMAF (1.8)	POLR1A (1.7)	GATAD2A (1.7)	DHX38 (1.7)
MTCH2 (2.6)	ENSG00000200241 (2	DHX38 (2.3)	CAD (2.3)	PPM1G (2.3)
RSPO3 (2.6)	TDH (2.6)	ENSG00000182319 (2	SLC5A6 (2.3)	ENSG00000254235 (2
NFE2L3 (1.9)	IZUMO1 (1.9)	AGBL2 (1.9)	C2orf16 (1.8)	PGS1 (1.8)
KBTBD4 (2.7)	MFAP1 (2.7)	EIF3J (2.7)	INTS10 (2.6)	SUGP1 (2.6)
MAMSTR (2.3)	CYP26A1 (2.1)	RFX4 (1.9)	KLF14 (1.9)	CSGALNACT1 (1.8)
SDCBP (2.4)	KANK2 (2.2)	NRBP1 (2.2)	OST4 (2.2)	ARHGAP1 (2.1)
TMEM101 (3.1)	GALNT2 (3.1)	FUT2 (3.1)	PDIA3 (3.0)	C2orf28 (3.0)
ENSG00000223745 (2	ZNF513 (2.2)	SDCBP (2.2)	FUT1 (2.1)	MAFF (1.9)
MTMR9 (2.6)	CSGALNACT1 (2.6)	GMIP (2.5)	ARID1A (2.4)	BCL3 (2.4)
MTMR9 (2.6)	CSGALNACT1 (2.6)	GMIP (2.5)	ARID1A (2.4)	BCL3 (2.4)
FUT1 (2.6)	FAM167A (2.2)	FGF21 (2.0)	TBL2 (1.9)	ENSG00000254235 (1
LRP4 (2.6)	EMILIN1 (2.3)	SIDT2 (2.2)	SDC1 (2.1)	GCKR (1.9)
CAD (4.3)	TOMM40 (3.9)	PTCD3 (3.1)	PPM1G (3.1)	GPN1 (3.0)
EIF3J (2.8)	TUBGCP4 (2.6)	SUGP1 (2.6)	CKAP5 (2.3)	BAZ1B (2.3)
IZUMO1 (2.7)	ABHD1 (2.6)	VEGFA (2.6)	C2orf53 (2.4)	TECTB (2.3)
TOMM40 (3.6)	EIF3J (3.4)	DHODH (3.1)	GPN1 (3.0)	CAD (2.8)
FADS2 (2.1)	KANK2 (2.0)	C1QTNF4 (1.9)	KDM3A (1.8)	FEN1 (1.7)
ENSG00000253379 (2	IFT172 (2.4)	SOST (2.3)	PLTP (2.3)	FAM167A (2.1)
C8orf12 (1.9)	TIMD4 (1.7)	MAFF (1.7)	LSM12 (1.6)	BMPR2 (1.6)
TOMM40 (3.0)	GPN1 (2.9)	PTCD3 (2.7)	POLR1A (2.6)	SLC5A6 (2.4)
HDAC5 (2.9)	SPG11 (2.7)	SNX17 (2.7)	MADD (2.6)	ARFGAP2 (2.6)
TUBGCP4 (3.0)	LSM12 (2.9)	ATP13A1 (2.9)	MAU2 (2.8)	KDM3A (2.7)
CELF1 (2.5)	MAFF (2.2)	TRIB1 (2.2)	CCDC92 (2.1)	ZDHHC18 (2.1)
FAM167A (2.2)	SFN (1.8)	FUT2 (1.8)	SDC1 (1.8)	HAPLN4 (1.8)
ABHD1 (2.9)	ENSG00000254235 (2	NAT2 (2.5)	ENSG00000226645 (2	DNAJC5G (2.4)
ENSG00000253379 (2	EPB41L3 (2.4)	EMILIN1 (2.3)	IGF2R (2.2)	RSPO3 (2.1)
PCIF1 (3.0)	MTF2 (2.8)	KBTBD4 (2.2)	ZNF513 (2.1)	AMBRA1 (2.1)

CYP7A1 (2.2)	TOMM40 (2.2)	ENSG00000200241 (2	TMEM214 (2.0)	CITED2 (2.0)
OST4 (2.6)	GATAD2A (2.6)	PTCD3 (2.5)	GPN1 (2.2)	FNBP4 (2.2)
CELF1 (3.0)	PVRL2 (3.0)	ENSG00000182319 (2	BCAM (2.9)	CBLC (2.8)
ABHD1 (2.2)	SLC30A3 (2.1)	RFX4 (2.0)	KANK2 (1.8)	ABCA1 (1.7)
ZNF512 (2.8)	SUGP1 (2.8)	GTF3C2 (2.5)	DHX38 (2.5)	NUP160 (2.5)
ENSG00000182319 (2	TRNP1 (2.3)	MTCH2 (2.3)	TUBGCP4 (2.2)	IMMT (2.2)
ARID1A (2.3)	BAZ1B (2.2)	CITED2 (2.2)	CCDC18 (2.2)	PAFAH1B2 (2.0)
MAFF (2.5)	GALNT2 (2.2)	KANK2 (2.2)	ABHD1 (1.7)	PGS1 (1.6)
GPAM (5.8)	MLXIPL (4.6)	C19orf80 (4.2)	G6PC3 (2.3)	PGS1 (2.2)
FZD9 (3.1)	RFX4 (3.0)	ENSG00000253379 (2	FAM167A (2.5)	TECTB (2.3)
G6PC3 (2.9)	KHK (2.5)	ABHD1 (2.4)	VEGFA (2.3)	DUSP3 (2.3)
TECTB (2.3)	NR1H3 (2.1)	ABCA1 (2.1)	PBX4 (1.9)	CTSB (1.9)
APOC4 (3.1)	NAT2 (2.8)	ABHD1 (2.7)	LPAL2 (2.6)	APOA5 (2.6)
ENSG00000223745 (2	BRE (2.1)	RFX4 (2.1)	SLC22A3 (2.1)	TDH (2.0)
TM6SF2 (2.3)	TDH (2.3)	ENSG00000234945 (2	NAT2 (2.3)	DNAH10 (2.2)
NEIL2 (2.7)	POLR1A (2.7)	SIK3 (2.6)	BCL7B (2.6)	DR1 (2.5)
CMIP (2.4)	MAPK10 (2.2)	PCSK7 (2.0)	PGS1 (2.0)	AFF1 (1.9)
ATP13A1 (3.2)	ACP2 (3.1)	MPV17 (3.1)	DUSP3 (2.9)	IGF2R (2.6)
LPAR2 (2.8)	BMPR2 (2.7)	SPG11 (2.7)	AFF1 (2.4)	IGF2R (2.4)
KRTCAP3 (2.7)	FUT1 (2.7)	SFN (2.5)	HDAC5 (2.0)	ENSG00000234945 (2
JMJD1C (2.2)	RSPO3 (2.1)	UBXN2B (2.0)	PTPN13 (2.0)	REEP3 (2.0)
TM6SF2 (2.5)	TECTB (2.4)	DNAH10 (2.4)	ENSG00000223522 (2	NAGS (2.2)
CCDC18 (2.7)	CAD (2.5)	NUP160 (2.2)	AGBL5 (2.2)	ABCA1 (2.2)
HP (2.6)	CETP (2.4)	RBKS (2.1)	CILP2 (2.0)	APOE (2.0)
ANGPTL4 (2.5)	MTMR9 (2.5)	GATAD2A (2.2)	HDAC5 (2.1)	NAGS (2.0)
PAFAH1B2 (2.6)	TRNP1 (2.5)	ABCA1 (2.3)	MPP2 (2.0)	MPP3 (2.0)
ZNF513 (2.4)	JMJD1C (2.2)	ATG4C (2.1)	SIK3 (2.0)	BUD13 (1.9)
CTDSPL2 (2.7)	ARFGAP2 (2.6)	PTCD3 (2.3)	CELF1 (2.3)	NSMAF (2.3)
SNX17 (3.3)	PREB (3.3)	ARHGAP1 (2.6)	CGREF1 (2.6)	PLA2G6 (2.4)
PGS1 (2.5)	MAFF (2.5)	ANGPTL4 (2.3)	CD300LG (2.1)	IZUMO1 (2.0)
NOP58 (3.0)	DHX38 (2.6)	MFAP1 (2.6)	GATAD2A (2.5)	USP1 (2.5)
NOP58 (3.0)	DHX38 (2.6)	MFAP1 (2.6)	GATAD2A (2.5)	USP1 (2.5)
NOP58 (3.0)	DHX38 (2.6)	MFAP1 (2.6)	GATAD2A (2.5)	USP1 (2.5)
OST4 (2.4)	ZNF259 (2.4)	CAD (2.1)	PPM1G (1.9)	PTCD3 (1.9)
PPY (2.4)	ENSG00000256731 (2	PIGV (1.9)	LINC00208 (1.8)	NSMAF (1.7)
MAU2 (2.4)	DHX38 (2.3)	ZNF335 (2.2)	ZNF512 (2.1)	IGF2R (2.0)
ATG4C (2.3)	ENSG00000236267 (2	MTMR9 (2.1)	ENSG00000222035 (2	MADD (1.8)
GMIP (2.1)	LPL (2.1)	CD300LG (2.0)	EPB41L3 (1.9)	NFE2L3 (1.9)
NEIL2 (2.5)	NFE2L3 (2.3)	PTPRJ (2.2)	ABO (2.1)	BRE (2.1)
EIF2B4 (2.0)	LSM12 (1.9)	ACP2 (1.9)	PCIF1 (1.8)	PTPRJ (1.8)
LRP4 (2.6)	C1QTNF4 (2.5)	RSPO3 (1.9)	BAZ1B (1.9)	NCAN (1.8)
FAM167A (3.0)	RFX4 (2.5)	FUT1 (2.4)	ENSG00000182319 (2	PTPN13 (2.0)
KANK2 (2.1)	PCSK7 (2.0)	GALNT2 (1.9)	PMFBP1 (1.9)	BCAM (1.8)
MAFF (2.0)	EPB41L3 (1.9)	SDCBP (1.9)	BCL7B (1.9)	ENSG00000256746 (1
NAGS (2.0)	C8orf12 (1.9)	CCDC121 (1.8)	MAMSTR (1.7)	ENSG00000256731 (1
TECTB (2.5)	ABO (2.4)	ENSG00000254235 (2	HARBI1 (2.1)	C1QTNF4 (1.9)
HAVCR1 (2.8)	PLA2G6 (2.6)	PBX4 (2.2)	FUT2 (2.1)	ENSG00000255020 (2
BRE (2.9)	DR1 (2.6)	CITED2 (2.5)	MAFF (2.4)	SUPT7L (2.2)
PBX4 (2.5)	ZDHHC18 (2.3)	TIMD4 (2.2)	GALNT2 (2.2)	JMJD1C (2.0)
CETP (2.8)	ZDHHC18 (2.5)	SIDT2 (2.3)	PCSK7 (1.7)	FAM167A (1.5)

FRMD5 (2.9)	DOCK6 (2.7)	CD300LG (2.5)	DPYSL5 (2.4)	ENSG00000254235 (2
CSGALNACT1 (2.3)	CILP2 (2.2)	MLXIPL (2.2)	BNC2 (2.1)	SLC5A6 (2.1)
MLXIPL (3.8)	PTCD3 (3.2)	MRPL35 (3.0)	PPIP5K1 (2.8)	GPAM (2.6)
BCAM (2.4)	LRP4 (2.4)	PTPN13 (2.3)	RSPO3 (2.2)	CCDC121 (2.1)
SFN (3.7)	SDC1 (3.5)	PTPN13 (3.3)	FUT1 (3.3)	FRMD5 (2.6)
KRTCAP3 (1.8)	MPP3 (1.8)	C8orf12 (1.7)	SLC30A3 (1.6)	ZDHHC18 (1.5)
MAU2 (2.1)	NR1H3 (2.1)	TECTB (2.0)	HARBI1 (2.0)	ACP2 (1.9)
C11orf9 (2.5)	NFE2L3 (2.5)	LPA (2.3)	CILP2 (2.2)	TSSK6 (1.8)
RASIP1 (2.5)	CSGALNACT1 (2.3)	BMPR2 (2.3)	ENSG00000254235 (2	LRP4 (2.0)
RSPO3 (2.5)	GALNT2 (2.4)	LRP4 (2.3)	CYP26A1 (2.3)	SDC1 (2.1)
NRBP1 (3.6)	ARFGAP2 (3.6)	NDUFS3 (3.5)	SNX17 (3.0)	IMMT (2.8)
JMJD1C (2.5)	ARID1A (2.3)	BCL7B (2.3)	SIK3 (2.0)	RIC8B (1.9)
PLTP (2.4)	KDM3A (2.1)	NRBF2 (2.0)	ARHGAP1 (2.0)	C2orf53 (2.0)
APOA4 (2.3)	APOA1 (2.3)	SUMO1 (2.2)	APOB (2.1)	DNAJC5G (2.1)
ENSG00000256746 (2	TRNP1 (2.0)	ABO (1.8)	PBX4 (1.7)	MPP2 (1.7)
CYP7A1 (2.0)	AMBRA1 (2.0)	HARBI1 (1.8)	LINC00208 (1.8)	PTPRJ (1.7)
MAFF (3.1)	ZNF513 (2.2)	JMJD1C (2.0)	ARFGAP2 (1.9)	DUSP3 (1.9)
TOMM40 (3.8)	PTCD3 (3.5)	EIF3J (3.3)	GPN1 (3.2)	DHODH (2.8)
JMJD1C (2.9)	DR1 (2.5)	ZNF335 (2.5)	SIDT2 (2.4)	NRBF2 (2.4)
PIGV (2.5)	ZNF408 (2.1)	PTPRJ (2.0)	FNBP4 (1.9)	GMIP (1.9)
FZD9 (2.3)	ENSG00000182319 (2	SLC5A6 (2.1)	ZDHHC18 (1.9)	IFT172 (1.9)
CD300LG (2.9)	ENSG00000256731 (2	MPP2 (2.6)	IFT172 (2.5)	SOST (2.5)
APOE (2.7)	DOCK7 (2.6)	ATG4C (2.2)	MPP3 (2.2)	RFX4 (2.1)
BNC2 (2.9)	LRP4 (2.3)	CYP26A1 (2.2)	EMILIN1 (2.0)	REEP1 (1.8)
MTCH2 (3.0)	PTCD3 (2.7)	PAFAH1B2 (2.6)	CAD (2.6)	TOMM40 (2.5)
GPN2 (2.9)	JMJD1C (2.9)	BAZ1B (2.7)	GTF3C2 (2.5)	TP53BP1 (2.5)
GPN1 (3.3)	PTCD3 (3.2)	TOMM40 (3.0)	CAD (2.9)	EIF2B4 (2.9)
PCIF1 (3.3)	BUD13 (3.1)	NOP58 (2.8)	FEN1 (2.5)	KBTBD4 (2.5)
PTCD3 (3.5)	CAD (3.4)	POLR1A (3.4)	GPN1 (2.8)	ATP13A1 (2.7)
DOCK7 (2.4)	ENSG00000256731 (2	GATAD2A (1.9)	MAMSTR (1.9)	RSPO3 (1.9)
SUGP1 (3.9)	ZNF408 (3.6)	DHX38 (2.9)	ZNF259 (2.9)	AMBRA1 (2.5)
ENSG00000182319 (2	NAT2 (2.6)	FAM167A (2.4)	TRIM54 (2.3)	FRMD5 (2.2)
FRMD5 (2.3)	KLF14 (2.1)	BRE (2.1)	MAMSTR (1.9)	GCKR (1.8)
LRP4 (2.7)	CILP2 (2.7)	RSPO3 (2.5)	FAM167A (2.3)	EMILIN1 (2.2)
PDIA3 (2.7)	TOMM40 (2.3)	EIF3J (2.2)	PPM1G (2.1)	MFAP1 (2.0)
LPA (2.7)	C2orf53 (2.5)	ENSG00000236267 (2	LPAL2 (2.4)	NAT2 (2.3)
SOST (3.2)	CGREF1 (3.1)	RBKS (3.0)	ANGPTL3 (2.5)	FUT2 (2.4)
SDC1 (3.2)	SFN (3.2)	PTPN13 (3.2)	FUT1 (3.1)	COBLL1 (2.6)
BCAM (4.2)	SDC1 (4.2)	PVRL2 (3.1)	C8orf12 (2.5)	KRTCAP3 (2.4)
KLF14 (1.9)	EMILIN1 (1.9)	GALNT2 (1.8)	VEGFA (1.7)	FZD9 (1.6)
IZUMO1 (2.8)	ABHD1 (2.6)	VEGFA (2.6)	ENSG00000200241 (2	C2orf53 (2.4)
CILP2 (2.5)	CASC4 (2.5)	FZD9 (2.5)	DNAJC5G (2.5)	LRP4 (2.3)
NAT2 (3.2)	SLC22A1 (3.1)	LPA (3.0)	AGBL2 (2.5)	HGFAC (2.3)
BCAM (2.9)	ABCA1 (2.6)	ENSG00000236267 (2	PVRL2 (2.5)	SLC22A3 (2.4)
PCIF1 (3.0)	SUGP1 (2.9)	DR1 (2.8)	USP1 (2.8)	NOP58 (2.8)
APOB (2.4)	GATA4 (2.0)	CITED2 (2.0)	TDH (2.0)	APOC3 (1.9)
FUT1 (3.7)	BCAM (3.6)	KRTCAP3 (3.2)	ZNF664 (3.2)	SFN (3.1)
C2orf16 (2.1)	CSGALNACT1 (2.0)	ZDHHC18 (1.9)	PBX4 (1.9)	MAFF (1.9)
DHX38 (3.1)	NOP58 (2.8)	CELF1 (2.7)	PPM1G (2.6)	USP1 (2.6)
CYP7A1 (3.0)	SDCBP (2.9)	PDIA3 (2.7)	IMMT (2.3)	MTCH2 (2.2)

BCL7B (2.5)	HARBI1 (2.1)	ENSG00000226645 (2	TP53BP1 (1.9)	ENSG00000179523 (1
VEGFA (2.6)	NRBF2 (2.5)	CYP26A1 (2.4)	TXNL4B (2.4)	KDM3A (2.2)
MAU2 (3.2)	BUD13 (3.1)	ATP13A1 (3.1)	MFAP1 (3.0)	ZNF408 (2.8)
MAMSTR (2.2)	CCDC121 (2.1)	ENSG00000256746 (2	PTPN13 (2.1)	UCN (2.0)
TM6SF2 (3.1)	HAPLN4 (2.9)	CLPTM1 (2.8)	IGF2R (2.6)	TMEM175 (2.3)
MAU2 (2.8)	ZNF335 (2.7)	GATAD2A (2.7)	MTF2 (2.7)	USP1 (2.6)
GPN1 (3.2)	PTCD3 (3.1)	INTS10 (2.9)	DOCK7 (2.7)	POLR1A (2.7)
NAT2 (3.3)	LPA (3.0)	ENSG00000234945 (3	APOA5 (2.6)	AGBL2 (2.5)
NAT2 (3.3)	LPA (3.0)	ENSG00000234945 (3	APOA5 (2.6)	AGBL2 (2.5)
NAT2 (3.3)	LPA (3.0)	ENSG00000234945 (3	APOA5 (2.6)	AGBL2 (2.5)
CGREF1 (1.9)	ABHD1 (1.8)	DDB2 (1.7)	ENSG00000223522 (1	PDIA3 (1.6)
GATA4 (2.1)	CYP7A1 (2.0)	TM6SF2 (2.0)	C8orf12 (2.0)	ENSG00000200241 (1
UCN (2.5)	TRIB1 (2.3)	SLC5A6 (2.3)	BCL3 (2.1)	PBX4 (1.8)
POLR1A (3.5)	PPM1G (3.5)	NUP160 (3.1)	BAZ1B (3.1)	TUBGCP4 (3.0)
CATSPER2 (2.8)	ATG4C (2.8)	HARBI1 (2.8)	MRPL35 (2.7)	ZNF408 (2.7)
PAFAH1B2 (2.7)	IFT172 (2.3)	MADD (2.1)	CMIP (2.1)	FUT2 (2.0)
KLF14 (3.0)	BNC2 (2.6)	CSGALNACT1 (2.5)	ENSG00000253379 (2	EMILIN1 (2.4)
PYY (3.1)	MPP2 (2.5)	MAPK10 (2.4)	CMIP (2.4)	MLXIPL (2.2)
PYY (3.1)	MPP2 (2.5)	MAPK10 (2.4)	CMIP (2.4)	MLXIPL (2.2)
ATG4C (2.0)	ATP13A1 (1.9)	CBLC (1.8)	CMIP (1.8)	DR1 (1.8)
PIGV (2.7)	PTPRJ (2.1)	NSMAF (2.0)	LINC00208 (1.9)	DUSP3 (1.5)
IFT172 (2.6)	PTCD3 (2.6)	NRBP1 (2.5)	IMMT (2.1)	EMILIN1 (2.0)
BCAM (2.6)	TBL2 (2.4)	DOCK6 (2.4)	REEP1 (2.2)	ANGPTL4 (2.1)
AFF1 (2.9)	JMJD1C (2.9)	NRBF2 (2.2)	USP1 (2.2)	PIGV (2.1)
NFE2L3 (3.2)	PGS1 (2.7)	LPAR2 (2.6)	PTPRJ (2.5)	ZNF513 (2.2)
KANK2 (2.6)	ZNF664 (2.6)	AFF1 (2.5)	PACSIN3 (2.5)	SPG11 (2.4)
MTCH2 (2.6)	PTPMT1 (2.6)	ANGPTL3 (2.2)	MRPL35 (2.2)	PGS1 (2.1)
TMED5 (1.8)	REEP3 (1.8)	HGFAC (1.7)	PDIA3 (1.7)	CETP (1.6)
ARFGAP2 (2.6)	C11orf49 (2.6)	KDM3A (2.6)	KBTBD4 (2.5)	MFAP1 (2.2)
CETP (2.6)	ZNF335 (2.3)	PGS1 (2.2)	CD300LG (2.1)	LINC00208 (2.1)
CHMP3 (2.2)	PTPN13 (2.1)	MFAP1 (2.1)	CCDC92 (2.0)	SDC1 (1.9)
WDR76 (2.8)	ARID1A (2.8)	TRIB1 (2.6)	FEN1 (2.6)	DDB2 (2.5)
KRTCAP3 (3.8)	FUT1 (3.1)	SDC1 (2.9)	PTPN13 (2.6)	ENSG00000182319 (2
PIGV (1.9)	HGFAC (1.9)	TMED5 (1.9)	IMMT (1.9)	CETP (1.8)
TIMD4 (2.6)	PTPN13 (2.6)	APOC1 (2.5)	MAP1A (2.4)	ABCA1 (2.4)
KHK (2.6)	MPV17 (2.6)	C2orf28 (2.6)	TMEM175 (2.6)	ABHD1 (2.5)
ARHGAP1 (2.8)	FRMD5 (2.7)	DPYSL5 (2.4)	REEP1 (2.1)	ZDHHC18 (2.1)
ZDHHC18 (2.7)	PLTP (2.6)	LPAR2 (2.2)	BCL3 (2.1)	APOC1 (2.1)
PTPN13 (2.4)	CGREF1 (2.3)	CMIP (2.2)	CETP (2.0)	SLC22A3 (2.0)
FUT1 (2.1)	USP1 (2.0)	SLC22A3 (2.0)	WDR76 (1.7)	AFF1 (1.7)
SDC1 (3.7)	KRTCAP3 (3.5)	FUT1 (3.3)	ENSG00000182319 (3	CMIP (2.4)
KBTBD4 (3.8)	ZNF408 (3.7)	BUD13 (3.2)	INTS10 (3.0)	GPN1 (2.8)
HDAC5 (2.9)	CITED2 (2.8)	ZNF335 (2.7)	TRIB1 (2.6)	BUD13 (2.6)
VEGFA (2.9)	EIF3J (2.8)	CTSB (2.7)	SDC1 (2.5)	PPIP5K1 (2.4)
PTPN13 (2.7)	ABCA1 (2.6)	ANGPTL4 (2.5)	UCN (2.2)	NR1H3 (2.2)
LSM12 (2.6)	TBL2 (2.6)	PREB (2.6)	NRBP1 (2.6)	ATG13 (2.5)
DPYSL5 (2.8)	FZD9 (2.6)	C11orf9 (2.1)	FNDC4 (2.0)	ENSG00000254235 (1
EMILIN1 (2.5)	LRP4 (2.4)	RSPO3 (2.4)	SDC1 (2.0)	CBLC (1.9)
ARFGAP2 (3.1)	CKAP5 (3.0)	JMJD1C (3.0)	MADD (2.9)	FNBP4 (2.7)
GMIP (3.2)	PBX4 (2.3)	BLK (1.8)	TIMD4 (1.6)	PCSK7 (1.6)

BCL7B (3.1)	ZDHHC18 (2.6)	ZNF513 (2.6)	PIGV (2.6)	SLC5A6 (2.4)
BCAM (2.6)	LRP4 (2.4)	CYP26A1 (2.4)	C1orf172 (2.3)	KANK2 (2.1)
TOMM40 (3.6)	DHODH (3.1)	PTCD3 (3.0)	GPN1 (3.0)	EIF3J (2.9)
PYY (2.4)	LPA (2.3)	ACP2 (2.3)	APOC1 (2.2)	ENSG00000222035 (2
INTS10 (3.2)	NSMAF (2.9)	CSGALNACT1 (2.9)	ENSG00000257711 (2	UBXN2B (2.5)
AFF1 (2.4)	IGF2R (2.3)	HAVCR1 (2.2)	JMJD1C (2.2)	GMIP (2.1)
PBX4 (2.3)	ZDHHC18 (2.0)	PCSK7 (1.9)	PLA2G6 (1.7)	ENSG00000236267 (1
RBKS (2.7)	ANGPTL3 (2.2)	SLC22A1 (2.1)	LIPC (2.1)	APOA4 (2.0)
RBKS (2.4)	BCL3 (2.4)	CSGALNACT1 (2.3)	CTSB (2.3)	BRE (2.0)
SLC22A3 (2.3)	KDM3A (2.3)	ENSG00000256731 (2	ZNF335 (2.1)	AFF1 (2.0)
ENSG00000222035 (3	CSGALNACT1 (2.7)	CILP2 (2.6)	ENSG00000182319 (2	ENSG00000226645 (2
DPYSL5 (2.2)	LPAR2 (2.1)	RSPO3 (2.1)	CITED2 (2.0)	CASC4 (2.0)
ENSG00000253379 (3	SOST (3.2)	CYP26A1 (2.8)	RSPO3 (2.7)	TMEM101 (2.6)
SIK3 (2.8)	SOST (2.5)	C1orf172 (2.5)	BMPR2 (2.4)	ZNF335 (2.1)
IGF2R (2.3)	ENSG00000223522 (2	EPB41L3 (1.9)	ENSG00000253379 (1	LPL (1.8)
IGF2R (2.8)	C8orf12 (2.8)	LRP4 (2.1)	FUT2 (2.0)	CTSB (1.9)
PTPN13 (2.4)	SOST (2.3)	RFX4 (2.1)	SDC1 (1.8)	ENSG00000253379 (1
ENSG00000254235 (2	CMIP (1.9)	ZDHHC18 (1.9)	INTS10 (1.8)	PREB (1.7)
DR1 (2.5)	LSM12 (2.4)	ENSG00000254235 (2	AMBRA1 (2.3)	ZNF512 (2.3)
PVRL2 (3.1)	TMEM175 (2.8)	PIGV (2.6)	GATA4 (2.6)	ENSG00000254235 (2
RSPO3 (2.0)	CD300LG (1.9)	LPAR2 (1.9)	CILP2 (1.7)	CITED2 (1.7)
NFE2L3 (2.4)	C11orf9 (2.3)	CETP (2.3)	NRBP1 (2.2)	TIMD4 (2.2)
ZNF259 (4.2)	GPN1 (3.7)	PTCD3 (3.5)	SLC5A6 (3.3)	DHODH (3.2)
TRNP1 (2.2)	DPYSL5 (2.1)	ABO (2.1)	DOCK6 (2.1)	PVRL2 (2.0)
PGS1 (2.2)	TDH (1.8)	ENSG00000254235 (1	CATSPER2 (1.8)	STRC (1.7)
PREB (4.1)	CLPTM1 (3.8)	TBL2 (3.5)	PDIA3 (2.9)	CGREF1 (2.8)
AFF1 (2.7)	C11orf9 (2.7)	ZNF335 (2.6)	SIK3 (2.5)	KANK2 (2.4)
SIK3 (1.8)	GCKR (1.7)	PBX4 (1.6)	PTPN13 (1.6)	NR1H3 (1.6)
MAFF (1.8)	PTPN13 (1.8)	GMIP (1.7)	COBLL1 (1.7)	SLC22A3 (1.6)
POLR1A (2.3)	GPN1 (2.2)	TOMM40 (2.2)	NUP160 (2.1)	GATAD2A (2.1)
SLC22A3 (2.7)	ENSG00000255020 (2	KLF14 (2.2)	ENSG00000236267 (2	FUT2 (2.2)
SPG11 (2.8)	C11orf9 (2.7)	PACSIN3 (2.7)	ZNF664 (2.6)	LPAR2 (2.6)
ARHGAP1 (3.3)	DUSP3 (2.7)	REEP1 (2.6)	PACSIN3 (2.5)	MAMSTR (2.4)
GPN1 (3.0)	CTDSPL2 (3.0)	GTF3C2 (3.0)	PTCD3 (3.0)	INTS10 (2.9)
TMEM214 (3.1)	HARBI1 (2.6)	HDAC5 (2.5)	KHK (2.2)	PREB (2.1)
ANGPTL4 (1.8)	HAVCR1 (1.8)	INTS10 (1.7)	ABHD1 (1.7)	GALNT2 (1.5)
FAM167A (2.3)	TIMD4 (2.3)	DNAJC5G (2.1)	MAMSTR (1.9)	BCAM (1.8)
BLK (2.5)	FUT2 (2.5)	IGF2R (2.4)	PTPRJ (2.3)	PVRL2 (2.3)
IMMT (3.3)	NRBP1 (3.0)	MRPL35 (2.9)	PPM1G (2.8)	PREB (2.8)
C2orf16 (2.1)	LINC00208 (1.9)	BCL3 (1.8)	PBX4 (1.8)	UCN (1.8)
ZNF513 (2.5)	ANGPTL4 (2.4)	SNX17 (2.1)	BRE (2.1)	C2orf28 (2.1)
TOMM40 (3.6)	GPN1 (3.5)	EIF2B4 (3.4)	DHODH (3.4)	EIF3J (3.1)
CLPTM1 (3.1)	TBL2 (3.0)	NRBP1 (2.7)	ENSG00000257711 (2	HARBI1 (2.1)
CSGALNACT1 (2.6)	ARID1A (2.5)	MTMR9 (2.4)	GMIP (2.2)	BCL3 (2.2)
GPN1 (3.2)	PTCD3 (3.0)	CTDSPL2 (2.9)	INTS10 (2.8)	DOCK7 (2.7)
NAGS (3.0)	APOB (2.8)	KHK (2.6)	C11orf9 (2.5)	APOA1 (2.5)
NUP160 (2.9)	PCIF1 (2.9)	SUGP1 (2.8)	DHX38 (2.8)	GTF3C2 (2.7)
NUP160 (2.9)	PCIF1 (2.9)	SUGP1 (2.8)	DHX38 (2.8)	GTF3C2 (2.7)
NUP160 (2.9)	PCIF1 (2.9)	SUGP1 (2.8)	DHX38 (2.8)	GTF3C2 (2.7)
OST4 (2.0)	PTPRJ (1.9)	AGBL2 (1.9)	EMILIN1 (1.9)	GCKR (1.8)

PTPRJ (2.2)	BCL3 (2.1)	ABCA1 (1.8)	NSMAF (1.7)	ATP13A1 (1.7)
HARBI1 (2.5)	KDM3A (2.5)	C8orf49 (2.4)	HDAC5 (2.3)	APOA4 (2.2)
CELF1 (2.9)	FNBP4 (2.7)	MAU2 (2.6)	ZNF335 (2.5)	C8orf49 (2.3)
NEIL2 (2.3)	ANGPTL4 (2.3)	G6PC3 (2.1)	SLC5A6 (2.1)	ENSG00000182319 (2
ZNF513 (2.1)	NEIL2 (2.0)	GMIP (1.9)	DR1 (1.8)	ATG4C (1.8)
ZNF513 (2.1)	NEIL2 (2.0)	GMIP (1.9)	DR1 (1.8)	ATG4C (1.8)
ZNF513 (2.1)	NEIL2 (2.0)	GMIP (1.9)	DR1 (1.8)	ATG4C (1.8)
CD300LG (3.4)	CETP (3.2)	PVRL2 (2.4)	VEGFA (2.1)	BMPR2 (2.0)
FUT2 (2.4)	PDIA3 (2.2)	PGS1 (2.1)	MRPL33 (2.0)	CTSB (2.0)
ZNF513 (2.3)	SIK3 (2.0)	GMIP (1.9)	NEIL2 (1.9)	DR1 (1.8)
ZNF513 (2.3)	SIK3 (2.0)	GMIP (1.9)	NEIL2 (1.9)	DR1 (1.8)
KANK2 (2.8)	ARID1A (2.7)	LRP4 (2.7)	REEP3 (2.3)	TRIB1 (2.1)
GPN1 (2.8)	BRE (2.6)	HARBI1 (2.5)	MPV17 (2.5)	C2orf28 (2.5)
GATA4 (2.9)	LPL (2.8)	TAGLN (2.7)	PACSIN3 (2.4)	RASIP1 (2.4)
TOMM40 (3.4)	EIF3J (3.4)	PTCD3 (3.4)	EIF2B4 (3.1)	GPN1 (3.0)
MAMSTR (2.7)	PBX4 (2.0)	GMIP (1.9)	DDB2 (1.9)	SNX17 (1.8)
ENSG00000182319 (2	RASIP1 (2.7)	KANK2 (2.5)	SDCBP (2.4)	GALNT2 (2.3)
SIK3 (2.7)	CSGALNACT1 (2.6)	BCL3 (2.4)	ARID1A (2.3)	ZNF335 (2.3)
KHK (3.2)	LPA (3.2)	APOC4 (3.2)	DHODH (2.3)	APOA5 (2.3)
ENSG00000223745 (2	DHODH (2.1)	ZNF512 (2.1)	ENSG00000255020 (2	TDH (2.0)
TOMM40 (3.5)	GPN1 (3.1)	DHODH (3.0)	ZNF408 (3.0)	PTCD3 (2.9)
EIF2B4 (3.5)	SLC5A6 (3.4)	EIF3J (3.1)	GTF3C2 (3.0)	ATP13A1 (2.9)
MFAP1 (2.5)	CBLC (2.4)	RFX4 (2.3)	FUT2 (2.3)	DOCK6 (2.3)
RIC8B (2.1)	CTDSPL2 (2.0)	ZNF664 (1.8)	REEP3 (1.7)	HDAC5 (1.7)
SDC1 (3.4)	KRTCAP3 (3.3)	CMIP (3.1)	FUT1 (3.0)	MTMR9 (2.8)
C1QTNF4 (2.4)	SOST (2.3)	MPP2 (2.3)	CITED2 (2.3)	NCAN (2.1)
LRP4 (3.6)	ENSG00000253379 (3	SOST (3.0)	RSPO3 (2.4)	EMILIN1 (2.2)
DHODH (2.4)	KLF14 (2.3)	CHMP3 (2.3)	IFT172 (2.3)	BRE (2.2)
NSMAF (2.1)	SDCBP (2.1)	PGS1 (2.1)	HDAC5 (2.0)	AFF1 (1.9)
VEGFA (2.7)	TAGLN (2.6)	ENSG00000256731 (2	DR1 (2.0)	ENSG00000182319 (2
KBTBD4 (3.1)	PCIF1 (3.0)	NOP58 (2.9)	MAU2 (2.8)	BUD13 (2.7)
NRBP1 (2.4)	CLPTM1 (2.3)	AGBL5 (2.3)	BRE (2.2)	DDB2 (2.1)
COBLL1 (2.2)	DNAH10 (2.2)	GPAM (2.1)	TECTB (1.9)	NSMAF (1.8)
CGREF1 (2.7)	TMEM175 (2.4)	G6PC3 (2.4)	SIDT2 (2.2)	TM6SF2 (2.2)
ZNF513 (2.5)	VEGFA (2.0)	DR1 (1.9)	GMIP (1.8)	CITED2 (1.8)
CMIP (3.0)	KRTCAP3 (2.8)	SIK3 (2.5)	ENSG00000182319 (2	DOCK6 (2.2)
CYP26A1 (2.4)	PYY (2.3)	DOCK6 (2.1)	AFF1 (2.1)	RASIP1 (2.0)
CCDC121 (2.6)	LINC00208 (2.6)	AGBL2 (2.4)	ABHD1 (2.4)	DOCK6 (2.1)
PTCD3 (3.0)	POLR1A (2.3)	SPG11 (2.3)	IGF2R (2.2)	SNX17 (2.1)
GMIP (2.1)	ZDHHC18 (2.1)	PTPRJ (2.0)	CTSB (1.9)	NR1H3 (1.9)
CSGALNACT1 (2.4)	ENSG00000253379 (2	TECTB (2.2)	GALNT2 (2.0)	EMILIN1 (2.0)
JMJD1C (2.6)	VEGFA (2.3)	CD300LG (2.1)	FUT1 (2.0)	IGF2R (1.9)
CYP26A1 (2.4)	CILP2 (2.3)	RSPO3 (2.2)	ACP2 (2.1)	IFT172 (2.1)
NFE2L3 (1.9)	PGS1 (1.8)	GMIP (1.8)	LINC00208 (1.7)	ARFGAP2 (1.6)
SDC1 (2.6)	C1orf172 (2.5)	BCL3 (2.2)	BCAM (2.0)	NFE2L3 (1.8)
NCAN (2.9)	C11orf9 (2.7)	HAPLN4 (2.2)	MAPK10 (2.2)	MLXIPL (2.0)
EIF3J (3.3)	PTCD3 (3.2)	TOMM40 (2.8)	DHX38 (2.7)	PPM1G (2.5)
MPP3 (1.8)	CCDC92 (1.8)	CSGALNACT1 (1.8)	SDC1 (1.8)	RIC8B (1.7)
HDAC5 (2.8)	CITED2 (2.8)	ZNF335 (2.8)	BUD13 (2.7)	TRIB1 (2.5)
EMILIN1 (2.9)	CD300LG (2.3)	CETP (2.2)	GATAD2A (2.1)	MPV17 (2.0)

MYBPC3 (3.8)	VEGFA (2.7)	GATA4 (2.4)	PVRL2 (2.1)	JMJD1C (2.1)
KLF14 (2.6)	DOCK6 (2.6)	LINC00208 (2.5)	PYY (2.3)	C8orf49 (2.2)
MPP2 (2.5)	DPYSL5 (2.5)	SPG11 (2.2)	FNDC4 (2.1)	RSPO3 (2.0)
BMPR2 (2.4)	GATAD2A (2.3)	BCL7B (2.3)	CMIP (2.0)	ENSG00000200241 (2
C8orf49 (1.9)	TDH (1.9)	REEP1 (1.8)	FUT2 (1.7)	EMILIN1 (1.5)
CETP (2.1)	NSMAF (2.1)	ZDHHC18 (1.8)	PTPRJ (1.7)	AFF1 (1.6)
PIGV (2.9)	MPV17 (2.7)	GPAM (2.6)	KBTBD4 (2.5)	RBKS (2.5)
PIGV (2.9)	MPV17 (2.7)	GPAM (2.6)	KBTBD4 (2.5)	RBKS (2.5)
CAD (2.7)	USP1 (2.6)	NOP58 (2.6)	PCIF1 (2.6)	ZNF512 (2.6)
FNBP4 (2.2)	GMIP (2.2)	ZDHHC18 (2.2)	ZNF408 (2.0)	HDAC5 (1.9)
APOE (2.9)	CTSB (2.7)	DOCK7 (2.0)	NR1H3 (2.0)	CETP (1.8)
COBLL1 (2.1)	ENSG00000256731 (1	SIDT2 (1.8)	DNAH10 (1.7)	ZDHHC18 (1.7)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
NUP160 (2.6)	NOP58 (2.5)	EIF3J (2.5)	PPM1G (2.5)	JMJD1C (2.5)
TMEM214 (3.1)	MTCH2 (2.7)	PDIA3 (2.6)	CGREF1 (2.5)	SLC5A6 (2.4)
ZNF259 (3.6)	NUP160 (3.5)	GPN1 (3.4)	SUGP1 (3.0)	EIF3J (2.7)
DUSP3 (2.9)	SDC1 (2.6)	TRNP1 (2.4)	DOCK7 (2.4)	PVRL2 (2.4)
ARID1A (3.2)	BAZ1B (2.8)	HARBI1 (2.7)	PIGV (2.5)	PACSIN3 (2.5)
CKAP5 (2.5)	MAU2 (2.5)	NUP160 (2.5)	ATP13A1 (2.5)	MRPL35 (2.4)
APOC3 (3.5)	PMFBP1 (2.9)	TM6SF2 (2.9)	KLF14 (2.7)	SIK3 (2.6)
PCIF1 (2.8)	ZDHHC18 (2.6)	COBLL1 (2.4)	NFE2L3 (2.3)	FNBP4 (2.2)
C1QTNF4 (2.1)	MAP1A (2.1)	STRC (1.9)	TMEM175 (1.9)	MAPRE3 (1.9)
CTSB (2.2)	TIMD4 (2.1)	BCL7B (2.0)	VEGFA (2.0)	TUBGCP4 (1.9)
RASIP1 (2.9)	ATG13 (2.8)	PACSIN3 (2.5)	ARHGAP1 (2.4)	FGF21 (2.4)
MAPK10 (2.9)	C11orf49 (2.5)	NCAN (2.4)	FRMD5 (2.0)	TSSK6 (2.0)
TOMM40 (4.2)	DHX38 (3.5)	DHODH (3.4)	EIF3J (3.1)	CAD (3.1)
CKAP5 (3.1)	HARBI1 (3.0)	TOMM40 (2.8)	MRPL35 (2.8)	CAD (2.8)
FDFT1 (3.2)	CYP26A1 (3.0)	FADS2 (3.0)	SFN (2.8)	ENSG00000253379 (2
TXNL4B (3.0)	TRIB1 (2.7)	DHODH (2.7)	ENSG00000223745 (2	ENSG00000256731 (1
SDCBP (2.7)	CMIP (2.7)	SIDT2 (2.3)	GALNT2 (2.1)	G6PC3 (2.1)
PAFAH1B2 (2.6)	EPB41L3 (2.5)	NRBF2 (2.3)	PTPRJ (2.2)	KANK2 (2.2)
TDH (2.1)	ENSG00000234945 (2	PBX4 (2.0)	ENSG00000226645 (2	ENSG00000235545 (1
IGF2R (2.6)	PACSIN3 (2.5)	ZNF664 (2.5)	SPG11 (2.5)	ZNF335 (2.4)
SUGP1 (3.5)	POLR1A (3.5)	INTS10 (3.4)	CAD (3.1)	GTF3C2 (3.1)
SDC1 (3.4)	ENSG00000235545 (2	PCIF1 (2.4)	PACSIN3 (2.2)	BCAM (2.0)
GPN1 (3.7)	DHODH (3.3)	TOMM40 (3.2)	DHX38 (3.2)	PTCD3 (3.0)
OST4 (2.4)	SUGP1 (2.3)	EIF3J (2.2)	PPM1G (2.1)	DHX38 (2.1)
C11orf9 (2.7)	FUT2 (2.7)	PYY (2.2)	GATA4 (2.2)	NAT2 (1.8)

ZNF512 (2.8)	NUP160 (2.8)	USP1 (2.6)	GTF3C2 (2.6)	NOP58 (2.6)
SIK3 (2.1)	ZDHHC18 (2.1)	C2orf53 (2.0)	FGF21 (2.0)	C2orf16 (1.9)
FAM167A (1.9)	DDB2 (1.8)	ENSG00000182329 (1	ENSG00000234945 (1	NRBF2 (1.7)
TOMM40 (2.6)	PREB (2.5)	CAD (2.4)	GTF3C2 (2.4)	DHODH (2.4)
GATAD2A (2.4)	ARID1A (2.4)	CELF1 (2.2)	MTMR9 (2.2)	ENSG00000255020 (1
PREB (2.7)	ATG4C (2.7)	FGF21 (2.5)	UBXN2B (2.3)	ABHD1 (2.0)
TECTB (2.3)	ENSG00000223522 (1	RSPO3 (1.9)	SIDT2 (1.8)	LRP4 (1.8)
PTPN13 (2.5)	CYP26A1 (2.5)	DPYSL5 (2.4)	ENSG00000182319 (2	NFE2L3 (2.1)
UBXN2B (2.3)	NRBP1 (2.1)	TRNP1 (2.1)	BAZ1B (2.0)	SPG11 (2.0)
EIF3J (2.8)	INTS10 (2.7)	CTDSPL2 (2.6)	FEN1 (2.6)	GATAD2A (2.6)
PDIA3 (2.3)	NFE2L3 (2.3)	TOMM40 (2.2)	NOP58 (2.1)	FNBP4 (2.0)
NSMAF (2.1)	IGF2R (2.0)	PBX4 (2.0)	LPAL2 (1.8)	MYBPC3 (1.8)
ZNF259 (3.8)	GPN1 (3.1)	CAD (3.0)	DHODH (3.0)	EIF3J (2.9)
DHX38 (3.2)	NOP58 (2.9)	SUGP1 (2.9)	DR1 (2.9)	GTF3C2 (2.8)
RFX4 (2.1)	CILP2 (2.1)	FUT2 (2.0)	SFN (1.9)	PACSIN3 (1.8)
BNC2 (3.1)	ENSG00000236827 (2	MAMSTR (2.4)	CYP26A1 (2.4)	CSGALNACT1 (2.0)
PBX4 (2.6)	ZDHHC18 (2.5)	CETP (2.1)	NFE2L3 (1.9)	IZUMO1 (1.8)
NFE2L3 (3.1)	TOMM40 (3.0)	PREB (2.9)	GPN1 (2.8)	MRPL35 (2.8)
SDC1 (2.4)	CYP26A1 (2.3)	KLF14 (1.9)	RFX4 (1.7)	DOCK6 (1.7)
MRPL33 (2.6)	TOMM40 (2.3)	SUMO1 (2.3)	MFAP1 (2.2)	INTS10 (2.0)
EIF3J (2.8)	GATAD2A (2.1)	ENSG00000223745 (2	FNBP4 (2.0)	TOMM40 (1.9)
CD300LG (1.8)	CITED2 (1.6)	ANGPTL4 (1.5)	CSGALNACT1 (1.5)	ENSG00000257711 (1
ENSG00000255020 (1	REEP1 (1.7)	TRNP1 (1.7)	MPP2 (1.7)	SDCBP (1.6)
ENSG00000200241 (2	FADS1 (2.4)	FDFT1 (2.2)	GATA4 (2.2)	KLF14 (2.0)
TOMM40 (4.2)	EIF3J (3.8)	GPN1 (3.4)	PTCD3 (3.3)	CAD (3.3)
BLK (2.9)	PTPRJ (2.5)	ABCA1 (2.1)	PCSK7 (1.8)	PIGV (1.7)
SUPT7L (3.4)	MFAP1 (3.4)	GTF3C2 (3.0)	USP1 (3.0)	KBTBD4 (2.9)
MTCH2 (2.7)	TMEM214 (2.7)	GTF3C2 (2.6)	PAFAH1B2 (2.6)	PTPMT1 (2.5)
CCDC92 (2.5)	RASIP1 (2.5)	EPB41L3 (2.3)	TBL2 (2.0)	CD300LG (1.9)
SDCBP (2.3)	DUSP3 (2.3)	MPP3 (2.2)	TRNP1 (2.1)	MAP1A (2.1)
NOP58 (2.9)	ARID1A (2.7)	PPM1G (2.5)	SUGP1 (2.5)	INTS10 (2.4)
BAZ1B (2.7)	MAFF (2.6)	VEGFA (2.4)	JMJD1C (2.2)	ABO (2.0)
CHMP3 (1.8)	CETP (1.8)	ZNF512 (1.8)	IZUMO1 (1.7)	ENSG00000235545 (1
ENSG00000257711 (4	PMFBP1 (4.0)	ENSG00000234945 (3	IZUMO1 (3.1)	ABHD1 (2.6)
GPN2 (2.5)	C2orf28 (2.1)	NDUFS3 (2.1)	TXNL4B (1.9)	NFE2L3 (1.9)
ZNF664 (2.5)	ENSG00000223745 (2	KDM3A (2.1)	FADS1 (2.0)	GPAM (1.9)
RSPO3 (2.3)	LINC00208 (1.9)	ANGPTL4 (1.9)	PGS1 (1.8)	NSMAF (1.7)
GPN1 (3.9)	EIF2B4 (3.3)	EIF3J (3.1)	CAD (3.0)	DHODH (3.0)
BCL3 (2.3)	APOE (2.1)	EPB41L3 (2.1)	CTSB (2.0)	TIMD4 (1.9)
ANGPTL4 (2.1)	TRIB1 (2.0)	RASIP1 (1.9)	PACSIN3 (1.9)	NR1H3 (1.9)
NUP160 (2.3)	AGBL2 (2.2)	GATAD2A (2.0)	CAD (2.0)	MAFF (2.0)
POLR1A (3.9)	EIF3J (3.8)	DHODH (3.6)	PTCD3 (2.9)	SLC5A6 (2.8)
MPP2 (2.3)	CSGALNACT1 (2.2)	CMIP (2.1)	FAM167A (2.0)	PGS1 (1.9)
SDC1 (2.4)	KANK2 (2.2)	C1orf172 (2.1)	PAFAH1B2 (1.9)	C11orf9 (1.9)
BMPR2 (2.1)	ENSG00000179523 (2	ENSG00000254235 (2	GALNT2 (2.0)	TAGLN (1.9)
PPM1G (2.5)	FDFT1 (2.4)	BAZ1B (2.4)	CELF1 (2.3)	MTCH2 (2.3)
AFF1 (2.3)	ENSG00000182319 (2	GMIP (2.2)	MPV17 (2.1)	BAZ1B (2.1)
ABO (2.6)	LPL (2.5)	ANGPTL4 (2.5)	ENSG00000226645 (2	ENSG00000256746 (2
IZUMO1 (2.3)	AFF1 (2.1)	COBLL1 (2.0)	MTF2 (1.9)	GPAM (1.7)
SFN (2.1)	DOCK7 (2.0)	ARHGAP1 (2.0)	MPP2 (2.0)	C11orf9 (2.0)

HAPLN4 (2.2)	CELF1 (2.2)	STRC (2.1)	CD300LG (2.0)	PPIP5K1 (1.9)
PCIF1 (2.8)	CTDSPL2 (2.7)	DR1 (2.7)	CELF1 (2.6)	MTF2 (2.1)
MTMR9 (3.0)	PCIF1 (3.0)	ZNF513 (2.8)	BRE (2.8)	ATG13 (2.8)
CELF1 (3.1)	DR1 (2.9)	NRBP1 (2.5)	CHMP3 (2.3)	DNAJC5G (2.2)
SOST (2.2)	JMJD1C (2.0)	KRTCAP3 (1.9)	FZD9 (1.8)	RSPO3 (1.7)
ENSG00000182319 (3	CBLC (3.1)	PVRL2 (2.3)	FAM167A (2.2)	RASIP1 (2.2)
ENSG00000236267 (3	TDH (2.8)	ENSG00000226645 (2	ENSG00000222035 (2	RSPO3 (2.0)
TRIB1 (2.0)	PCIF1 (2.0)	GATA4 (2.0)	NUP160 (2.0)	AGBL5 (2.0)
BUD13 (3.1)	NUP160 (2.9)	NOP58 (2.8)	USP1 (2.7)	PPM1G (2.7)
TOMM40 (2.2)	MRPL35 (2.1)	TMEM101 (2.1)	FUT2 (2.0)	NSMAF (2.0)
SDC1 (2.4)	DNAH10 (2.2)	LPL (2.1)	TAGLN (2.0)	RSPO3 (2.0)
HP (2.9)	PLTP (2.8)	PGS1 (2.8)	BCL3 (2.6)	RASIP1 (2.4)
SIK3 (2.4)	ARID1A (2.4)	BCL3 (2.3)	MTMR9 (2.3)	SOST (2.2)
LSM12 (2.0)	ARHGAP1 (1.9)	APOB (1.9)	GTF3C2 (1.7)	ZNF408 (1.7)
KDM3A (2.3)	NRBP1 (2.3)	PTPRJ (2.2)	TAGLN (2.2)	RIC8B (1.9)
GALNT2 (2.4)	SUPT7L (2.1)	ENSG00000182319 (2	PLA2G6 (1.8)	GATAD2A (1.8)
LPA (2.3)	FADS2 (2.2)	ENSG00000236267 (2	ARHGAP1 (2.2)	GPN2 (2.1)
LPA (2.3)	FADS2 (2.2)	ENSG00000236267 (2	ARHGAP1 (2.2)	GPN2 (2.1)
TMEM101 (3.4)	SUPT7L (3.4)	PTPMT1 (3.3)	TMED5 (3.0)	G6PC3 (3.0)
SDC1 (2.4)	SOST (2.3)	LRP4 (2.2)	EMILIN1 (2.2)	FZD9 (2.2)
PIGV (2.8)	ARFGAP2 (2.6)	NEIL2 (2.2)	FNBP4 (2.1)	KLF14 (2.0)
ZNF408 (2.5)	SUPT7L (2.5)	AGBL5 (2.3)	ARID1A (2.3)	SUGP1 (2.2)
C1orf172 (2.4)	CYP26A1 (2.2)	BCAM (2.1)	RSPO3 (2.0)	SDC1 (1.9)
MTMR9 (3.3)	ZNF512 (3.0)	SUGP1 (3.0)	MFAP1 (2.9)	C1orf172 (2.8)
C11orf9 (2.6)	BNC2 (2.4)	EPB41L3 (2.4)	IGF2R (2.4)	BCAM (2.0)
RSPO3 (2.4)	CYP26A1 (2.3)	GALNT2 (2.2)	KANK2 (2.1)	FRMD5 (2.1)
C2orf53 (2.3)	PMFBP1 (2.1)	JMJD1C (2.0)	ENSG00000236267 (2	ENSG00000236827 (1
DDB2 (2.3)	PLA2G6 (2.2)	MLXIPL (2.2)	TBL2 (2.2)	MAPRE3 (2.1)
FZD9 (2.0)	GATAD2A (2.0)	NRBP1 (2.0)	SNX17 (1.9)	DPYSL5 (1.9)
OST4 (2.7)	PTCD3 (2.5)	FNBP4 (2.5)	SUGP1 (2.4)	GATAD2A (2.3)
CTDSPL2 (3.2)	USP1 (3.1)	DDB2 (2.9)	MFAP1 (2.8)	CLPTM1 (2.5)
ANGPTL3 (2.3)	DNAH10 (2.0)	IZUMO1 (1.9)	TM6SF2 (1.8)	ENSG00000222035 (1
PTPN13 (2.3)	ABCA1 (2.1)	PGS1 (2.1)	CTSB (2.1)	EPB41L3 (1.9)
CGREF1 (2.7)	NAT2 (2.6)	ANGPTL4 (2.6)	KHK (2.3)	ENSG00000236267 (2
SUMO1 (2.1)	DR1 (2.1)	AMBRA1 (2.0)	AGBL5 (2.0)	RIC8B (2.0)
SDCBP (2.5)	SPG11 (2.2)	COBLL1 (2.2)	FUT2 (1.9)	ATG4C (1.9)
ATG13 (2.1)	ENSG00000200241 (2	TMEM214 (2.1)	CITED2 (2.0)	GATA4 (1.9)
SFN (4.2)	FUT1 (3.5)	SDC1 (3.2)	PTPN13 (2.5)	ENSG00000182319 (2
PTCD3 (2.8)	DHODH (2.7)	ZNF408 (2.6)	SLC5A6 (2.6)	TOMM40 (2.5)
ZNF408 (2.7)	SUPT7L (2.6)	DHX38 (2.5)	AFF1 (2.4)	SUGP1 (2.2)
GMIP (1.6)	GATAD2A (1.6)	AFF1 (1.5)	ABCA1 (1.5)	NAT2 (1.3)
TOMM40 (3.6)	GPN1 (3.4)	EIF2B4 (3.2)	DHODH (3.0)	CAD (2.9)
ZNF513 (2.1)	SIK3 (1.9)	DR1 (1.9)	NEIL2 (1.8)	GMIP (1.8)
POLR1A (2.9)	KHK (2.8)	LPA (2.5)	SLC22A1 (2.5)	HGFAC (2.4)
TMEM214 (2.5)	TAGLN (2.2)	PIGV (2.1)	SIDT2 (2.1)	EPB41L3 (2.0)
CETP (2.6)	SIDT2 (2.2)	GMIP (1.9)	ATG4C (1.8)	ABCA1 (1.7)
LPL (2.4)	EMILIN1 (2.3)	SDCBP (2.2)	ZDHHC18 (2.2)	GMIP (2.1)
FUT1 (2.2)	ENSG00000223745 (2	DNAJC5G (1.8)	ANGPTL4 (1.7)	LPAR2 (1.7)
DUSP3 (2.7)	GPAM (2.7)	C1orf172 (2.4)	SPG11 (2.4)	CBLC (2.4)
IGF2R (2.7)	ENSG00000223745 (2	LRP4 (2.4)	PTPRJ (2.3)	CD300LG (2.2)

FNDC4 (2.6)	RSPO3 (2.6)	SDC1 (2.5)	HAPLN4 (2.3)	ENSG00000256731 (2
PGS1 (2.5)	NRBF2 (2.5)	BCL3 (2.2)	MFAP1 (2.1)	PTPRJ (2.1)
ARID1A (2.3)	HARBI1 (2.3)	GTF3C2 (2.3)	AGBL5 (2.2)	ZNF408 (2.1)
GMIP (3.1)	BCL3 (2.5)	ZDHHC18 (2.2)	SLC22A3 (1.9)	C8orf12 (1.6)
GATAD2A (2.5)	CMIP (2.3)	CELF1 (2.3)	SIK3 (2.2)	CBLC (2.1)
NDUFS3 (3.4)	PREB (3.2)	MRPL35 (3.0)	PDIA3 (2.5)	HARBI1 (2.5)
GCKR (2.5)	TXNL4B (2.4)	SFN (2.1)	HAVCR1 (2.0)	BCAM (2.0)
MTF2 (2.5)	WDR76 (2.3)	ATP13A1 (2.3)	BAZ1B (2.3)	PCIF1 (2.2)
USP1 (2.6)	ZNF512 (2.6)	FEN1 (2.6)	DHX38 (2.5)	GTF3C2 (2.5)
OST4 (2.3)	CITED2 (2.1)	PPM1G (1.9)	SUMO1 (1.7)	PTPRJ (1.7)
CITED2 (1.9)	SLC22A3 (1.8)	FEN1 (1.7)	TMEM101 (1.7)	TXNL4B (1.7)
ARFGAP2 (2.2)	SNX17 (2.1)	NRBP1 (2.0)	BRE (2.0)	ACP2 (1.9)
NOP58 (2.9)	PPM1G (2.9)	PTCD3 (2.7)	MTCH2 (2.6)	PDIA3 (2.6)
TMED5 (2.9)	TMEM101 (2.5)	C2orf28 (2.3)	ENSG00000223522 (2	SUMO1 (2.1)
C1orf172 (3.1)	SDC1 (2.4)	FUT2 (2.2)	FAM167A (2.0)	ENSG00000236267 (1
SIDT2 (2.6)	SDCBP (2.5)	CHMP3 (2.4)	ATG4C (2.3)	BMPR2 (2.2)
CGREF1 (2.8)	HAPLN4 (2.7)	ANGPTL3 (2.3)	ATP13A1 (2.3)	SLC22A1 (2.0)
STRC (2.1)	ENSG00000234945 (2	ATG13 (2.0)	MAU2 (2.0)	CHMP3 (1.9)
CASC4 (2.4)	ACP2 (2.3)	TIMD4 (2.1)	TDH (2.0)	ABCA1 (1.9)
CLPTM1 (2.7)	GMIP (2.5)	ARID1A (2.5)	ZNF513 (2.2)	ZNF335 (2.2)
TRIB1 (3.3)	MAU2 (3.2)	KDM3A (3.1)	GMIP (2.6)	JMJD1C (2.5)
CLPTM1 (3.6)	TBL2 (3.3)	G6PC3 (2.8)	REEP3 (2.6)	TMEM101 (2.4)
PCIF1 (2.9)	SNX17 (2.9)	G6PC3 (2.8)	FDFT1 (2.6)	CLPTM1 (2.3)
TOMM40 (3.3)	POLR1A (3.3)	PDIA3 (3.0)	FADS2 (2.7)	FADS1 (2.5)
LRP4 (2.0)	LPA (1.9)	MAFF (1.7)	FEN1 (1.6)	GPN2 (1.6)
ARID1A (2.4)	CMIP (2.2)	MAU2 (2.2)	KDM3A (2.0)	SOST (2.0)
C8orf49 (2.8)	PMFBP1 (2.7)	TBL2 (2.4)	IZUMO1 (2.3)	GATA4 (2.2)
EMILIN1 (2.3)	ABCA1 (2.3)	BNC2 (2.1)	APOE (2.0)	NSMAF (2.0)
TRIM54 (3.4)	RASIP1 (3.3)	ENSG00000255020 (3	CD300LG (3.1)	TDH (2.9)
SPG11 (2.9)	TRNP1 (2.5)	ZNF335 (2.4)	SIK3 (2.4)	MAU2 (2.4)
ENSG00000223522 (2	C11orf9 (2.4)	CBLC (2.4)	DUSP3 (2.3)	TRNP1 (2.2)
ARHGAP1 (2.0)	NRBP1 (2.0)	TMED5 (2.0)	LINC00208 (1.9)	PVRL2 (1.8)
CITED2 (2.1)	MAPK10 (2.1)	DPYSL5 (2.0)	NCAN (2.0)	PYY (1.9)
CMIP (2.1)	LPL (1.9)	SLC22A3 (1.8)	HDAC5 (1.7)	PMFBP1 (1.7)
RBKS (2.2)	ATG4C (2.1)	COBLL1 (1.9)	PCSK7 (1.9)	BCL3 (1.7)
PREB (3.8)	TMED5 (3.6)	C2orf28 (3.1)	TMEM101 (3.0)	G6PC3 (2.9)
PREB (3.8)	TMED5 (3.6)	C2orf28 (3.1)	TMEM101 (3.0)	G6PC3 (2.9)
ARFGAP2 (3.5)	PCIF1 (3.4)	ATP13A1 (3.1)	INTS10 (3.0)	NUP160 (3.0)
TMED5 (2.5)	PIGV (2.2)	SUMO1 (2.1)	EPB41L3 (2.1)	KLF14 (2.1)
CYP26A1 (2.9)	EPB41L3 (2.8)	KANK2 (2.2)	TAGLN (2.1)	ABO (1.9)
FNBP4 (2.3)	MAFF (2.0)	CATSPER2 (1.8)	MRPL33 (1.7)	ZNF259 (1.6)
AMBRA1 (2.3)	PLTP (2.2)	AGBL5 (2.2)	LRP4 (2.1)	FZD9 (2.1)
BLK (2.5)	SOST (2.0)	BUD13 (2.0)	DR1 (1.9)	TRIB1 (1.8)
FADS1 (3.5)	FDFT1 (3.2)	LRP4 (3.0)	RFX4 (2.7)	RSPO3 (2.7)
SDC1 (2.3)	PTPN13 (2.2)	CYP26A1 (2.2)	RSPO3 (2.2)	NEIL2 (2.1)
DNAH10 (2.3)	GMIP (2.1)	ZDHHC18 (2.0)	RASIP1 (2.0)	CETP (1.9)
TOMM40 (4.1)	DHODH (3.5)	EIF2B4 (3.4)	GPN1 (3.2)	PTCD3 (3.1)
GATAD2A (2.8)	AMBRA1 (2.6)	MAU2 (2.4)	ABO (2.2)	ENSG00000223745 (2
ABO (2.0)	C11orf9 (1.9)	GATA4 (1.9)	C8orf49 (1.9)	RSPO3 (1.8)
SLC30A3 (2.2)	CTDSPL2 (2.1)	PLA2G6 (2.1)	TDH (2.0)	CHMP3 (1.9)

ANGPTL4 (2.1)	PGS1 (2.0)	CETP (2.0)	HP (2.0)	FAM167A (1.9)
NSMAF (2.3)	POLR1A (2.1)	OST4 (2.1)	PDIA3 (1.9)	TOMM40 (1.9)
DNAJC5G (3.0)	ENSG00000179523 (3	ABO (2.5)	TECTB (2.5)	ENSG00000254235 (2
EIF3J (2.5)	ZNF408 (2.5)	ARID1A (2.5)	BNC2 (2.4)	CELF1 (2.4)
USP1 (3.0)	DDB2 (2.6)	ARID1A (2.5)	CTDSPL2 (2.2)	AFF1 (2.2)
JMJD1C (2.3)	KANK2 (2.0)	PTPN13 (2.0)	EPB41L3 (1.9)	HDAC5 (1.9)
PPM1G (2.7)	SUGP1 (2.7)	PCIF1 (2.6)	NOP58 (2.6)	USP1 (2.4)
PTPRJ (2.4)	PVRL2 (2.1)	TXNL4B (1.9)	BCL7B (1.9)	NRBP1 (1.8)
CYP7A1 (4.0)	GPAM (2.3)	COBLL1 (1.9)	SLC5A6 (1.7)	C19orf80 (1.7)
UCN (2.1)	ENSG00000179523 (2	DOCK6 (2.0)	SOST (2.0)	KANK2 (1.9)
TOMM40 (3.6)	GPN1 (3.3)	EIF2B4 (3.1)	DHODH (3.1)	EIF3J (3.0)
TOMM40 (3.6)	GPN1 (3.3)	EIF2B4 (3.1)	DHODH (3.1)	EIF3J (3.0)
PPM1G (3.0)	EIF2B4 (2.9)	ZNF259 (2.9)	GPN1 (2.8)	PTCD3 (2.8)
PTPMT1 (2.4)	DNAH10 (2.3)	ENSG00000182319 (2	CCDC121 (2.1)	PCSK7 (2.0)
JMJD1C (2.1)	CTSB (2.1)	ABCA1 (2.0)	LPL (2.0)	BMPR2 (1.9)
ARID1A (1.9)	C2orf53 (1.9)	TRIB1 (1.8)	ENSG00000256746 (1	SOST (1.7)
PYY (2.2)	CYP26A1 (2.2)	RBKS (2.2)	IFT172 (2.1)	C2orf16 (2.1)
PREB (2.4)	POLR1A (2.3)	C2orf28 (2.1)	PTPMT1 (2.1)	CAD (2.0)
UBXN2B (1.7)	PAFAH1B2 (1.7)	NAT2 (1.7)	MAFF (1.6)	ENSG00000223745 (1
MAU2 (2.6)	FNBP4 (2.5)	NOP58 (2.5)	INTS10 (2.2)	BUD13 (2.2)
BAZ1B (3.2)	KANK2 (2.6)	IGF2R (2.6)	FEN1 (2.5)	AGBL5 (2.4)
C17orf105 (2.3)	MAFF (2.3)	ANGPTL4 (2.1)	ABHD1 (2.0)	NEIL2 (1.9)
DNAH10 (2.6)	RSPO3 (2.4)	LRP4 (2.2)	ENSG00000253379 (2	SLC30A3 (2.2)
MAU2 (2.5)	BNC2 (2.4)	ARID1A (2.3)	EIF3J (2.1)	BAZ1B (2.1)
LRP4 (2.4)	GMIP (2.3)	CSGALNACT1 (2.2)	JMJD1C (2.2)	SIK3 (2.2)
GATAD2A (2.1)	DR1 (2.1)	ENSG00000226645 (1	JMJD1C (1.9)	PTPMT1 (1.8)
DDB2 (2.6)	ZNF408 (2.4)	MFAP1 (2.3)	ACP2 (2.1)	PVRL2 (1.9)
GPAM (2.6)	PTPRJ (2.5)	AFF1 (2.4)	CD300LG (2.3)	RSPO3 (2.0)
GATA4 (3.5)	FRMD5 (3.4)	ARHGAP1 (2.6)	SLC30A3 (2.2)	BCAM (2.0)
TOMM40 (4.0)	PTCD3 (3.8)	DHODH (3.3)	EIF3J (3.2)	GPN1 (3.0)
CTDSPL2 (2.4)	CSGALNACT1 (2.3)	PYY (2.3)	BNC2 (2.3)	PCIF1 (2.2)
POLR1A (3.1)	GPN1 (3.0)	PTCD3 (2.9)	CKAP5 (2.8)	INTS10 (2.8)
NUP160 (1.9)	CKAP5 (1.9)	PPM1G (1.8)	NSMAF (1.8)	NDUFS3 (1.6)
PCIF1 (2.7)	NDUFS3 (2.7)	GPN1 (2.6)	INTS10 (2.6)	DHX38 (2.4)
APOE (2.3)	STRC (2.2)	ABCA1 (2.0)	EPB41L3 (2.0)	MAP1A (1.9)
POLR1A (2.2)	ZNF408 (2.1)	PTCD3 (2.1)	DHX38 (2.1)	GPN1 (2.0)
ENSG00000236827 (2	C2orf53 (2.2)	COBLL1 (2.2)	FNDC4 (2.0)	TMED5 (2.0)
ABCA1 (1.9)	BLK (1.9)	MTMR9 (1.7)	HAVCR1 (1.6)	ARHGAP1 (1.6)
ABO (1.9)	ENSG00000222035 (1	ENSG00000254235 (1	ENSG00000253379 (1	TECTB (1.6)
PREB (2.5)	TBL2 (2.4)	PCSK7 (2.4)	PLTP (2.1)	NRBF2 (2.1)
C2orf16 (2.1)	ZNF512 (2.1)	AFF1 (2.0)	FNBP4 (2.0)	MADD (2.0)
FDFT1 (3.2)	ZNF259 (3.2)	EIF3J (2.8)	CAD (2.6)	POLR1A (2.6)
PVRL2 (2.6)	KANK2 (2.5)	LRP4 (2.5)	ENSG00000182319 (2	C1orf172 (2.3)
SFN (3.4)	BCAM (3.3)	PVRL2 (2.9)	ZNF664 (2.2)	NAGS (2.2)
C2orf28 (4.1)	ATP13A1 (3.8)	TMEM101 (3.5)	BRE (3.0)	TBL2 (2.7)
NR1H3 (2.2)	AFF1 (2.1)	NSMAF (1.9)	ACP2 (1.8)	IGF2R (1.7)
GMIP (2.0)	C2orf16 (1.9)	ZDHHC18 (1.8)	CCDC121 (1.7)	C2orf53 (1.7)
POLR1A (3.4)	FNBP4 (3.3)	ZNF259 (3.2)	PPM1G (3.0)	EIF3J (2.9)
TOMM40 (3.8)	EIF3J (3.2)	DHODH (3.2)	GPN1 (3.2)	PTCD3 (2.9)
CYP26A1 (2.1)	SIDT2 (2.0)	RSPO3 (2.0)	ENSG00000236827 (2	LRP4 (1.9)

CYP26A1 (2.2)	CASC4 (2.2)	CCDC92 (2.2)	REEP3 (2.0)	BMPR2 (1.9)
BCL3 (2.4)	CSGALNACT1 (2.3)	ARID1A (2.3)	IGF2R (2.3)	SIK3 (2.3)
SNX17 (2.9)	TECTB (2.8)	NDUFS3 (2.7)	MAU2 (2.4)	CTDSPL2 (2.3)
PACSIN3 (2.6)	TAGLN (2.6)	LINC00208 (2.0)	RASIP1 (1.9)	ANGPTL4 (1.9)
ZDHHC18 (2.8)	PIGV (2.8)	PTPRJ (2.7)	PBX4 (2.4)	GMIP (2.0)
ZDHHC18 (2.8)	PIGV (2.8)	PTPRJ (2.7)	PBX4 (2.4)	GMIP (2.0)
GPAM (2.4)	CASC4 (2.1)	MPP2 (2.0)	TP53BP1 (2.0)	CMIP (2.0)
EMILIN1 (3.1)	LRP4 (2.5)	FAM167A (2.2)	SOST (2.1)	LIPC (2.0)
TAGLN (2.6)	CYP26A1 (2.4)	PTPN13 (2.4)	EPB41L3 (2.2)	PVRL2 (2.2)
MRPL35 (3.2)	NDUFS3 (2.9)	PTCD3 (2.7)	KDM3A (2.7)	VEGFA (2.6)
NRBP1 (3.0)	TOMM40 (3.0)	CLPTM1 (2.9)	POLR1A (2.8)	CAD (2.7)
CTSB (2.1)	ENSG00000200241 (2	KLF14 (2.1)	ENSG00000236827 (1	PGS1 (1.9)
RSPO3 (2.4)	BCAM (2.3)	ENSG00000182319 (2	DOCK6 (2.2)	PTPN13 (2.0)
FADS2 (2.4)	SLC5A6 (2.2)	CYP7A1 (2.2)	TMEM101 (2.2)	FZD9 (2.1)
DDB2 (2.5)	IFT172 (2.5)	HDAC5 (2.2)	BMPR2 (2.1)	USP1 (2.1)
BMPR2 (2.4)	ENSG00000254235 (2	SDC1 (2.0)	CYP26A1 (1.9)	ENSG00000253379 (1
PBX4 (2.4)	BLK (2.4)	ENSG00000200241 (2	TIMD4 (2.0)	DDB2 (1.9)
SFN (2.4)	NFE2L3 (2.3)	GMIP (2.3)	CD300LG (2.1)	TMED5 (1.9)
FDFT1 (2.7)	VEGFA (2.7)	BCAM (2.6)	RFX4 (2.4)	RSPO3 (2.3)
NFE2L3 (2.6)	CTSB (2.2)	LINC00208 (2.2)	TIMD4 (2.0)	PMFBP1 (1.8)
GMIP (2.2)	ZNF513 (2.1)	LPAR2 (2.1)	MAPRE3 (2.1)	PVRL2 (2.0)
CCDC121 (2.2)	MAP1A (2.0)	CHMP3 (2.0)	TMEM175 (1.9)	SNX17 (1.9)
PPY (2.5)	ABO (2.5)	FRMD5 (2.2)	CITED2 (2.2)	FADS2 (2.0)
DOCK6 (2.5)	JMJD1C (2.4)	ZNF513 (2.4)	ZNF512 (2.2)	DOCK7 (2.1)
FZD9 (3.2)	CSGALNACT1 (2.4)	SIDT2 (2.3)	TAGLN (2.0)	ENSG00000253379 (1
PTCD3 (3.4)	CELF1 (3.2)	GPN1 (3.0)	USP1 (2.9)	INTS10 (2.9)
NUP160 (3.4)	DHODH (3.2)	PTCD3 (3.1)	DHX38 (2.9)	EIF3J (2.8)
NR1H3 (2.0)	CTSB (1.9)	ENSG00000236827 (1	PGS1 (1.9)	KLF14 (1.8)
NR1H3 (2.0)	CTSB (1.9)	ENSG00000236827 (1	PGS1 (1.9)	KLF14 (1.8)
NUP160 (3.0)	FNBP4 (2.8)	ENSG00000226645 (2	ENSG00000223745 (2	UBXN2B (2.5)
PVRL2 (4.3)	CBLC (4.3)	TAGLN (3.2)	KRTCAP3 (3.1)	FUT1 (3.0)
ACP2 (2.3)	CITED2 (2.2)	MAPK10 (2.1)	ENSG00000256746 (2	CD300LG (2.1)
DPYSL5 (2.5)	IFT172 (2.5)	CCDC121 (2.4)	CYP26A1 (2.3)	PTPN13 (2.1)
ARFGAP2 (2.8)	MADD (2.7)	DUSP3 (2.7)	HDAC5 (2.6)	PGS1 (2.5)
GTF3C2 (2.9)	CAD (2.9)	CELF1 (2.8)	PTCD3 (2.8)	POLR1A (2.7)
TMEM101 (2.6)	TXNL4B (2.4)	SFN (2.3)	KRTCAP3 (2.1)	SIDT2 (2.0)
MAP1A (2.5)	KHK (2.3)	MPP3 (2.2)	MAPK10 (2.1)	CITED2 (2.1)
TRIM54 (2.2)	G6PC3 (2.1)	ATP13A1 (2.1)	KDM3A (2.0)	C19orf80 (2.0)
FAM167A (3.1)	RFX4 (3.0)	FZD9 (2.6)	NCAN (2.6)	BNC2 (2.4)
PVRL2 (3.6)	ZNF664 (3.6)	FUT1 (3.5)	SFN (2.9)	RASIP1 (2.6)
PVRL2 (3.6)	ZNF664 (3.6)	FUT1 (3.5)	SFN (2.9)	RASIP1 (2.6)
ARID1A (2.7)	IGF2R (2.6)	SIK3 (2.5)	CSGALNACT1 (2.4)	BCL3 (2.3)
C8orf49 (2.9)	GATA4 (2.3)	PMFBP1 (2.2)	FDFT1 (2.2)	KHK (2.1)
BNC2 (2.1)	MAMSTR (2.1)	ABHD1 (2.1)	RSPO3 (2.0)	ENSG00000253379 (2
TMED5 (3.9)	TBL2 (3.9)	C2orf28 (2.9)	ATP13A1 (2.8)	IMMT (2.6)
SFN (3.2)	PTPN13 (3.1)	FUT1 (3.1)	SDC1 (2.3)	ENSG00000182319 (2
RSPO3 (2.6)	PTPN13 (2.5)	RFX4 (2.3)	DPYSL5 (2.2)	ENSG00000254235 (2
OST4 (2.3)	MRPL35 (2.1)	MTCH2 (2.1)	PTPMT1 (1.8)	TOMM40 (1.7)
ARID1A (2.9)	PCIF1 (2.5)	VEGFA (2.4)	CITED2 (2.3)	CMIP (2.0)
CBLC (2.6)	BNC2 (2.4)	NFE2L3 (2.3)	CYP26A1 (2.3)	SOST (2.2)

IGF2R (3.2)	CKAP5 (2.9)	FEN1 (2.7)	USP1 (2.7)	ARID1A (2.6)
TOMM40 (3.7)	GPN1 (3.2)	PTCD3 (2.9)	EIF3J (2.8)	DHODH (2.5)
HDAC5 (2.6)	SIK3 (2.0)	CBLC (1.9)	ARHGAP1 (1.9)	NR0B2 (1.9)
DOCK6 (2.6)	HDAC5 (2.5)	PLTP (2.3)	ZNF335 (2.1)	MAPRE3 (2.1)
IZUMO1 (2.5)	DNAH10 (2.5)	PMFBP1 (2.2)	HP (2.2)	NAT2 (2.2)
PBX4 (2.8)	BUD13 (2.7)	DR1 (2.4)	ZNF408 (2.4)	GMIP (2.4)
ATG4C (2.5)	MAP1A (2.4)	LPL (2.2)	C1QTNF4 (2.1)	MPP3 (2.1)
ABHD1 (2.8)	ENSG00000226645 (2	FGF21 (2.7)	DNAJC5G (2.6)	NAT2 (2.5)
PVRL2 (4.7)	CBLC (4.5)	TAGLN (4.0)	KRTCAP3 (2.9)	RASIP1 (2.6)
FEN1 (1.8)	PPM1G (1.8)	ENSG00000200241 (1	INTS10 (1.8)	NRBP1 (1.8)
C17orf105 (2.3)	C2orf53 (2.3)	PYY (2.2)	REEP1 (2.2)	MLXIPL (2.2)
NOP58 (2.9)	NUP160 (2.8)	DHX38 (2.7)	CELF1 (2.6)	GTF3C2 (2.6)
ZNF335 (3.1)	SUGP1 (3.1)	SIK3 (3.1)	CLPTM1 (2.9)	BUD13 (2.8)
FNDC4 (2.9)	RASIP1 (2.7)	ENSG00000182319 (2	PTPN13 (2.5)	PVRL2 (2.5)
TM6SF2 (2.3)	ACP2 (2.3)	PYY (2.1)	PPIP5K1 (2.1)	G6PC3 (2.1)
POLR1A (3.9)	EIF3J (3.3)	PTCD3 (3.3)	DHX38 (3.2)	DHODH (2.9)
CITED2 (3.1)	TRIM54 (3.1)	IGF2R (2.2)	MAPRE3 (2.2)	NRBF2 (1.9)
ARID1A (3.0)	INTS10 (2.8)	NOP58 (2.7)	SUGP1 (2.6)	GATAD2A (2.4)
ENSG00000182319 (2	DDB2 (2.2)	OST4 (2.0)	LSM12 (2.0)	GALNT2 (2.0)
ENSG00000182319 (2	DDB2 (2.2)	OST4 (2.0)	LSM12 (2.0)	GALNT2 (2.0)
MPP2 (2.9)	PTPN13 (2.7)	DPYSL5 (2.7)	KANK2 (2.0)	AGBL5 (2.0)
SOST (2.7)	ABO (2.6)	BCAM (2.2)	PMFBP1 (2.1)	ENSG00000253379 (1
CGREF1 (2.5)	SIDT2 (2.4)	C1QTNF4 (2.3)	PMFBP1 (2.2)	COBLL1 (2.2)
PREB (3.7)	TMED5 (3.6)	C2orf28 (3.2)	G6PC3 (3.1)	PCSK7 (3.1)
GALNT2 (2.2)	SDCBP (2.0)	PCSK7 (2.0)	GATAD2A (1.8)	PYY (1.7)
PIGV (2.9)	AMBRA1 (2.5)	GPN2 (2.4)	AGBL2 (2.1)	KBTBD4 (2.1)
PIGV (2.9)	AMBRA1 (2.5)	GPN2 (2.4)	AGBL2 (2.1)	KBTBD4 (2.1)
PIGV (2.9)	AMBRA1 (2.5)	GPN2 (2.4)	AGBL2 (2.1)	KBTBD4 (2.1)
ZNF259 (2.8)	PTCD3 (2.8)	GPN1 (2.7)	CAD (2.6)	OST4 (2.6)
PTPN13 (2.4)	CITED2 (2.1)	LPA (2.0)	CILP2 (1.9)	DPYSL5 (1.9)
TM6SF2 (1.9)	PVRL2 (1.9)	ENSG00000254235 (1	DPYSL5 (1.8)	ZDHHC18 (1.8)
MFAP1 (2.4)	ZDHHC18 (2.4)	SIDT2 (2.1)	SDCBP (2.1)	FNBP4 (2.0)
TOMM40 (3.8)	EIF3J (3.7)	GPN1 (3.7)	DHODH (3.3)	CAD (3.3)
SDC1 (2.2)	FUT1 (2.1)	ENSG00000236267 (2	SIDT2 (2.1)	PMFBP1 (1.8)
CD300LG (2.2)	LPL (2.2)	SDC1 (2.1)	ANGPTL4 (2.0)	SPG11 (2.0)
MTF2 (3.2)	PCIF1 (2.8)	USP1 (2.8)	BUD13 (2.7)	CTDSPL2 (2.6)
GALNT2 (3.3)	ATG13 (3.2)	PDIA3 (2.9)	CGREF1 (2.8)	FUT2 (2.6)
TOMM40 (3.3)	POLR1A (3.3)	NUP160 (2.6)	PPM1G (2.4)	SUGP1 (2.4)
USP1 (2.7)	SUGP1 (2.6)	PCIF1 (2.5)	ARID1A (2.5)	INTS10 (2.5)
IGF2R (2.0)	GMIP (2.0)	CSGALNACT1 (1.9)	KRTCAP3 (1.7)	PTPRJ (1.6)
EIF2B4 (3.1)	TOMM40 (3.0)	NFE2L3 (2.8)	IMMT (2.7)	EIF3J (2.6)
ZDHHC18 (3.1)	CETP (3.0)	TIMD4 (2.9)	FAM167A (2.1)	SIK3 (1.6)
C8orf49 (2.7)	TRIB1 (2.6)	ENSG00000254235 (2	RASIP1 (2.1)	ENSG00000257711 (1
CBLC (4.0)	SFN (3.3)	FUT1 (2.9)	KRTCAP3 (2.9)	PTPN13 (2.2)
ENSG00000236827 (2	UBXN2B (2.3)	SLC22A1 (2.2)	KHK (2.1)	DHODH (2.0)
RSPO3 (2.8)	KLF14 (2.7)	BNC2 (2.5)	EMILIN1 (2.2)	CYP26A1 (2.0)
MTCH2 (2.6)	PPY (2.5)	MAPK10 (2.5)	APOE (2.5)	CTSB (2.1)
NR0B2 (2.3)	GALNT2 (2.3)	GATA4 (2.2)	TMEM175 (2.1)	ENSG00000256746 (2
ZNF335 (2.9)	CLPTM1 (2.8)	GATAD2A (2.7)	CELF1 (2.6)	SIK3 (2.3)
RASIP1 (2.8)	DOCK6 (2.7)	IFT172 (2.5)	ENSG00000200241 (2	BCAM (2.4)

CHMP3 (2.6)	MPP3 (2.3)	CCDC92 (2.3)	SNX17 (2.3)	MAPRE3 (2.1)
SLC22A3 (2.8)	ENSG00000255020 (2	ENSG00000223745 (2	FUT2 (2.3)	KLF14 (2.2)
SUMO1 (2.5)	ENSG00000179523 (2	TMEM175 (2.3)	LPA (2.3)	G6PC3 (1.9)
CSGALNACT1 (2.7)	ENSG00000226645 (2	UCN (2.4)	ENSG00000235545 (2	AGBL2 (2.1)
BMPR2 (2.3)	VEGFA (2.3)	MYBPC3 (2.1)	CELF1 (2.1)	RASIP1 (2.1)
SIK3 (2.5)	MTMR9 (2.4)	BCL3 (2.4)	ARID1A (2.4)	CSGALNACT1 (2.4)
ANGPTL4 (2.3)	BCL7B (2.3)	TAGLN (2.1)	ARHGAP1 (2.1)	SLC30A3 (2.0)
HDAC5 (2.7)	MTF2 (2.2)	HAVCR1 (2.2)	USP1 (2.0)	PVRL2 (1.9)
PIGV (3.4)	C2orf28 (3.3)	ENSG00000223745 (3	BRE (2.7)	ATP13A1 (2.7)
SOST (2.3)	NSMAF (2.2)	ENSG00000256731 (2	BCL3 (2.1)	LRP4 (1.9)
ZDHHC18 (2.1)	NFE2L3 (2.0)	HARBI1 (2.0)	GMIP (1.9)	GPN2 (1.8)
C2orf53 (2.3)	UCN (1.9)	ENSG00000223745 (1	ENSG00000222035 (1	LPAL2 (1.9)
PDIA3 (2.8)	SNX17 (2.5)	OST4 (2.2)	GPN1 (2.2)	CHMP3 (2.2)
CHMP3 (2.2)	TAGLN (1.9)	STRC (1.8)	NSMAF (1.8)	PPIP5K1 (1.8)
LSM12 (2.3)	BMPR2 (2.0)	PPM1G (1.9)	USP1 (1.9)	ENSG00000226645 (1
ENSG00000253379 (2	CSGALNACT1 (2.1)	ABCA1 (2.1)	BMPR2 (1.7)	PVRL2 (1.7)
ENSG00000254235 (2	PVRL2 (2.2)	PLTP (2.1)	CBLC (2.0)	PYY (1.8)
LRP4 (2.3)	MAFF (2.3)	ENSG00000257711 (2	LPAL2 (1.8)	SLC22A3 (1.8)
FADS1 (2.4)	BNC2 (2.4)	RSPO3 (2.1)	TSSK6 (2.1)	FAM167A (2.0)
USP1 (3.6)	MFAP1 (3.5)	DR1 (3.4)	CTDSPL2 (3.3)	GTF3C2 (3.3)
CD300LG (2.4)	ENSG00000255020 (2	ABO (2.3)	UCN (2.2)	FUT1 (2.1)
SDC1 (2.3)	MAPRE3 (2.3)	KLF14 (2.2)	ENSG00000200241 (2	SDCBP (2.1)
TBL2 (2.8)	LPAL2 (2.8)	PBX4 (2.7)	MAPK10 (2.6)	IFT172 (2.5)
PREB (3.5)	HARBI1 (3.2)	PDIA3 (2.7)	CLPTM1 (2.5)	TDH (2.1)
CSGALNACT1 (2.5)	CYP26A1 (2.5)	CITED2 (2.5)	SIDT2 (2.3)	ATG13 (2.3)
ZDHHC18 (2.1)	CD300LG (2.1)	AFF1 (2.1)	BLK (2.0)	ENSG00000200241 (1
ABO (2.7)	ZNF513 (2.5)	C2orf16 (2.5)	DNAH10 (2.2)	ABHD1 (2.1)
BUD13 (2.7)	AMBRA1 (2.5)	DR1 (2.4)	GPN2 (2.4)	LINC00208 (2.3)
HAPLN4 (2.7)	ENSG00000223522 (2	FRMD5 (2.2)	MAPK10 (2.2)	JMJD1C (1.6)
PCIF1 (3.1)	ARFGAP2 (3.1)	BUD13 (3.0)	NOP58 (2.9)	FNBP4 (2.7)
SFN (3.1)	PTPN13 (2.9)	FUT1 (2.9)	TRNP1 (2.6)	SDC1 (2.5)
KBTBD4 (3.5)	BUD13 (3.4)	ZNF408 (3.3)	INTS10 (3.1)	MFAP1 (2.9)
FNBP4 (3.1)	BUD13 (2.9)	DHX38 (2.9)	CELF1 (2.8)	CLPTM1 (2.8)
TOMM40 (3.9)	PTCD3 (3.7)	CAD (3.1)	EIF3J (3.0)	DHX38 (2.8)
ENSG00000182319 (2	CD300LG (2.6)	BNC2 (2.5)	DOCK6 (2.4)	AMBRA1 (2.4)
LPAL2 (3.2)	ENSG00000222035 (3	HP (2.9)	APOA4 (2.4)	STRC (2.3)
SUGP1 (3.4)	MTF2 (3.1)	GPN2 (2.9)	KBTBD4 (2.8)	MFAP1 (2.7)
GPN1 (3.6)	TOMM40 (3.3)	EIF2B4 (3.3)	PTCD3 (3.1)	EIF3J (2.8)
PTCD3 (2.3)	ZNF512 (2.3)	ENSG00000236827 (2	ZNF664 (2.1)	UCN (2.0)
BCL7B (2.4)	SUMO1 (2.4)	PCIF1 (2.0)	USP1 (2.0)	BAZ1B (2.0)
SDC1 (2.8)	ABCA1 (2.2)	KRTCAP3 (2.2)	MAP1A (2.1)	RSPO3 (2.0)
LRP4 (2.9)	RSPO3 (2.9)	ENSG00000253379 (2	PVRL2 (2.0)	SDC1 (2.0)
SNX17 (4.0)	NDUFS3 (3.8)	PTCD3 (3.6)	MRPL35 (3.5)	ARFGAP2 (3.5)
ATG13 (2.1)	REEP3 (2.1)	CETP (2.0)	PIGV (1.9)	PDIA3 (1.8)
TOMM40 (3.0)	MRPL35 (2.9)	NDUFS3 (2.7)	GPN1 (2.7)	ZNF259 (2.6)
GALNT2 (1.9)	CSGALNACT1 (1.8)	REEP3 (1.7)	CTSB (1.7)	ATP13A1 (1.7)
EMILIN1 (2.7)	FNDC4 (2.6)	HAVCR1 (2.3)	MLXIPL (2.1)	PBX4 (1.8)
TRIM54 (3.5)	EMILIN1 (3.0)	PVRL2 (2.8)	SFN (2.6)	PACSIN3 (2.3)
COBLL1 (2.5)	KANK2 (2.5)	PPIP5K1 (2.3)	SLC22A3 (2.1)	CHMP3 (2.0)
SIK3 (2.4)	CSGALNACT1 (2.4)	LRP4 (2.4)	IGF2R (2.4)	MTMR9 (2.3)

HARBI1 (2.4)	ARID1A (2.2)	PTPMT1 (2.2)	AGBL5 (2.2)	ZNF408 (2.1)
ANGPTL3 (2.3)	TRNP1 (2.2)	SFN (2.2)	RFX4 (2.1)	PTPN13 (2.1)
DDB2 (2.3)	KBTBD4 (2.2)	NR1H3 (2.1)	AMBRA1 (2.1)	SDCBP (2.1)
PGS1 (2.6)	HAPLN4 (2.5)	APOA4 (2.2)	KHK (2.0)	APOC3 (2.0)
ZNF513 (2.7)	DUSP3 (2.7)	PLA2G6 (2.5)	UBXN2B (2.5)	SPG11 (2.3)
ATG4C (2.2)	CYP7A1 (2.0)	TXNL4B (2.0)	DHODH (1.9)	SLC22A1 (1.8)
SIK3 (2.9)	SFN (2.7)	PACSIN3 (2.5)	FUT1 (2.5)	PTPN13 (2.4)
PACSIN3 (3.2)	NRBP1 (2.5)	SUPT7L (2.5)	SUGP1 (2.4)	DHX38 (2.3)
PACSIN3 (3.2)	NRBP1 (2.5)	SUPT7L (2.5)	SUGP1 (2.4)	DHX38 (2.3)
PACSIN3 (3.2)	NRBP1 (2.5)	SUPT7L (2.5)	SUGP1 (2.4)	DHX38 (2.3)
MYBPC3 (2.2)	TAGLN (2.2)	ARHGAP1 (2.2)	DOCK6 (2.0)	KLF14 (2.0)
TOMM40 (3.4)	GPN1 (3.4)	PTCD3 (3.4)	EIF2B4 (3.2)	DHODH (3.1)
NEIL2 (2.4)	FADS1 (2.3)	PBX4 (2.2)	C8orf49 (2.2)	CCDC18 (2.0)
LRP4 (3.0)	DNAJC5G (2.6)	CCDC121 (2.6)	TDH (2.2)	NCAN (1.8)
DHX38 (2.7)	CASC4 (2.6)	PGS1 (2.5)	KRTCAP3 (2.2)	PIGV (2.2)
PREB (2.7)	CELF1 (2.6)	MTMR9 (2.4)	SPG11 (2.3)	CLPTM1 (2.2)
AFF1 (2.0)	RSPO3 (1.9)	RIC8B (1.8)	MAMSTR (1.8)	REEP3 (1.6)
ENSG00000254235 (2	PBX4 (2.0)	ENSG00000255020 (2	IZUMO1 (2.0)	MTMR9 (1.9)
KLF14 (2.5)	G6PC3 (2.5)	GATAD2A (2.4)	CYP7A1 (2.3)	BMPR2 (2.2)
SLC30A3 (2.5)	CYP7A1 (2.4)	APOC3 (2.3)	F2 (2.3)	BCAM (2.2)
BMPR2 (2.7)	PTPN13 (2.3)	G6PC3 (2.2)	SDC1 (2.1)	REEP1 (2.0)
MTCH2 (3.1)	NDUFS3 (2.7)	MRPL35 (2.6)	CTDSPL2 (2.4)	IMMT (2.4)
INTS10 (3.0)	GPN2 (2.9)	FNBP4 (2.8)	SUGP1 (2.6)	ZNF335 (2.5)
MADD (2.2)	ZNF513 (2.1)	TMEM175 (2.1)	SDCBP (2.0)	NRBF2 (1.9)
TMEM175 (2.1)	ENSG00000254235 (2	CTSB (1.9)	BNC2 (1.9)	PMFBP1 (1.7)
AFF1 (2.5)	GMIP (2.5)	ENSG00000182319 (1	PBX4 (1.7)	WDR76 (1.7)
TECTB (2.1)	ENSG00000236267 (2	ABCA1 (1.8)	CYP26A1 (1.8)	EPB41L3 (1.7)
PIGV (1.8)	MAMSTR (1.7)	NFE2L3 (1.7)	PGS1 (1.6)	TRIB1 (1.6)
PCIF1 (3.0)	SUGP1 (2.8)	NUP160 (2.7)	GTF3C2 (2.7)	MFAP1 (2.7)
TAGLN (2.8)	LRP4 (2.7)	PTPN13 (2.5)	KANK2 (2.4)	TECTB (2.2)
RSPO3 (3.2)	BNC2 (2.4)	EMILIN1 (2.4)	FNDC4 (2.1)	CSGALNACT1 (2.1)
AMBRA1 (2.6)	PIGV (2.3)	SDCBP (2.3)	AFF1 (2.3)	ATG13 (2.2)
SOST (3.5)	HAVCR1 (3.0)	FGF21 (2.5)	TM6SF2 (2.3)	LPAL2 (2.3)
TOMM40 (3.3)	GPN1 (3.3)	DHODH (3.0)	PTCD3 (2.9)	EIF3J (2.7)
JMJD1C (2.3)	GATAD2A (2.2)	USP1 (2.2)	NUP160 (2.1)	DHX38 (2.0)
CSGALNACT1 (2.2)	USP1 (2.0)	TBL2 (1.9)	FEN1 (1.9)	PTPMT1 (1.9)
JMJD1C (2.5)	BUD13 (2.5)	ARID1A (2.1)	BMPR2 (2.0)	ENSG00000182319 (1
INTS10 (2.6)	CSGALNACT1 (2.5)	ARID1A (2.5)	SIK3 (2.3)	BCL3 (2.3)
C2orf16 (2.6)	ENSG00000254235 (2	TMEM101 (2.5)	SOST (2.5)	DNAH10 (2.3)
KDM3A (2.2)	IGF2R (2.2)	C19orf80 (2.0)	GPAM (1.9)	PLA2G6 (1.8)
BCL3 (2.6)	KDM3A (2.5)	MAU2 (2.4)	ENSG00000256731 (2	AFF1 (1.9)
ARID1A (2.5)	CSGALNACT1 (2.5)	MTMR9 (2.5)	LRP4 (2.4)	BCL3 (2.3)
ENSG00000255020 (2	LRP4 (2.8)	TDH (2.5)	APOE (2.5)	EMILIN1 (2.4)
UBXN2B (2.6)	ATG4C (2.5)	UCN (2.4)	BRE (2.1)	PLA2G6 (2.1)
NOP58 (3.0)	FNBP4 (2.9)	ZNF259 (2.8)	INTS10 (2.6)	MTMR9 (2.4)
NAT2 (3.2)	G6PC3 (2.1)	TECTB (2.0)	CMIP (1.8)	DNAJC5G (1.8)
GPN1 (2.6)	SNX17 (2.3)	CLPTM1 (2.2)	BCL7B (2.1)	SUMO1 (2.1)
FNDC4 (2.4)	DOCK6 (2.3)	KANK2 (2.3)	CBLC (2.3)	FRMD5 (2.2)
DOCK6 (2.9)	REEP3 (2.8)	GALNT2 (2.8)	ENSG00000254235 (2	MAU2 (2.4)
FADS2 (2.6)	PTPRJ (2.2)	CMIP (2.1)	PPIP5K1 (2.1)	ENSG00000182319 (2

SUMO1 (2.2)	PPM1G (2.2)	DOCK7 (1.9)	PTCD3 (1.9)	FADS1 (1.8)
SUPT7L (2.4)	AGBL5 (2.4)	ZNF408 (2.4)	SUGP1 (2.3)	DHX38 (2.2)
ENSG00000257711 (1	PTCD3 (1.7)	CLPTM1 (1.7)	CGREF1 (1.7)	NDUFS3 (1.7)
KANK2 (2.7)	PVRL2 (2.5)	LRP4 (2.3)	C11orf49 (2.2)	ENSG00000253379 (2
TECTB (2.1)	MFAP1 (2.1)	ZNF513 (1.9)	HAVCR1 (1.9)	PBX4 (1.9)
NAGS (2.7)	ENSG00000222035 (2	C2orf53 (2.3)	ABHD1 (2.3)	ENSG00000236267 (2
ARID1A (1.8)	FADS1 (1.7)	SLC22A3 (1.6)	GATA4 (1.6)	HARBI1 (1.6)
ABCA1 (2.4)	BCL3 (2.4)	HARBI1 (2.3)	PGS1 (2.2)	NRBF2 (2.2)
DPYSL5 (2.6)	NCAN (2.6)	C2orf53 (2.3)	DOCK7 (1.8)	G6PC3 (1.8)
TRNP1 (2.3)	EPB41L3 (2.3)	TSSK6 (2.3)	FADS1 (2.2)	LINC00208 (2.2)
MYBPC3 (3.7)	TIMD4 (2.9)	CTDSPL2 (2.8)	CETP (2.5)	C11orf9 (2.3)
TRIB1 (2.4)	SDC1 (2.3)	PAFAH1B2 (2.2)	CCDC121 (2.1)	CITED2 (2.1)
MAFF (2.9)	BCL3 (2.6)	HDAC5 (2.4)	CELF1 (2.4)	DR1 (2.3)
TOMM40 (4.1)	DHODH (4.0)	PTCD3 (3.5)	GPN1 (3.4)	EIF3J (3.2)
RFX4 (1.8)	SOST (1.8)	FRMD5 (1.8)	ENSG00000253379 (1	MAPRE3 (1.6)
PTPRJ (1.8)	BNC2 (1.7)	HARBI1 (1.6)	UBXN2B (1.5)	SLC22A3 (1.4)
FADS2 (3.3)	FADS1 (3.2)	C1orf172 (2.7)	SDC1 (2.4)	MLXIPL (2.4)
VEGFA (2.8)	MTCH2 (2.5)	PPM1G (2.4)	MPV17 (2.4)	IMMT (2.3)
ENSG00000222035 (2	FGF21 (2.3)	ENSG00000236827 (2	KLF14 (2.2)	CILP2 (2.2)
ARFGAP2 (2.9)	C2orf28 (2.8)	MTCH2 (2.8)	MRPL35 (2.5)	RIC8B (2.4)
TOMM40 (2.7)	POLR1A (2.6)	OST4 (2.4)	DHX38 (2.3)	FNBP4 (2.2)
FZD9 (3.0)	PLTP (2.6)	BCAM (2.6)	LPL (2.5)	LRP4 (2.5)
ZNF664 (2.5)	GATAD2A (2.5)	BAZ1B (2.3)	AFF1 (2.3)	TP53BP1 (2.1)
NSMAF (2.2)	SIK3 (2.0)	BCL3 (1.9)	ARID1A (1.9)	ANGPTL4 (1.7)
TIMD4 (2.6)	BCAM (2.6)	ZDHHC18 (2.5)	KRTCAP3 (2.3)	TECTB (2.2)
BAZ1B (3.3)	IFT172 (3.1)	TP53BP1 (2.9)	CAD (2.9)	ARFGAP2 (2.9)
DPYSL5 (3.0)	SDC1 (2.9)	NFE2L3 (2.9)	CYP26A1 (2.8)	SFN (2.4)
DPYSL5 (3.0)	SDC1 (2.9)	NFE2L3 (2.9)	CYP26A1 (2.8)	SFN (2.4)
DPYSL5 (3.0)	SDC1 (2.9)	NFE2L3 (2.9)	CYP26A1 (2.8)	SFN (2.4)
SDC1 (2.3)	PTPN13 (2.3)	PPIP5K1 (2.2)	BRE (2.1)	AFF1 (1.9)
SUGP1 (3.5)	POLR1A (3.3)	DHX38 (3.2)	TOMM40 (3.0)	ATP13A1 (3.0)
CCDC121 (2.5)	BCAM (2.4)	RSPO3 (2.1)	LPL (2.0)	TXNL4B (1.9)
KLF14 (2.1)	TM6SF2 (2.1)	CGREF1 (2.0)	PPY (2.0)	SLC5A6 (1.9)
GPN1 (3.2)	PTCD3 (3.2)	CTDSPL2 (3.1)	INTS10 (3.0)	POLR1A (3.0)
ARID1A (2.6)	KDM3A (2.4)	POLR1A (2.4)	DHODH (2.1)	CYP26A1 (2.1)
NRBF2 (2.3)	PLTP (2.1)	CMIP (1.9)	FNDC4 (1.8)	SDCBP (1.8)
AGBL5 (2.6)	SUPT7L (2.6)	ZNF408 (2.4)	GTF3C2 (2.3)	BAZ1B (2.3)
FUT2 (2.2)	KANK2 (2.1)	IZUMO1 (1.8)	DOCK6 (1.7)	DPYSL5 (1.6)
SIK3 (2.5)	CSGALNACT1 (2.4)	MTMR9 (2.3)	BCL3 (2.3)	ARID1A (2.3)
GCKR (2.2)	VEGFA (2.2)	APOC3 (2.1)	APOB (2.1)	KRTCAP3 (2.0)
KHK (2.5)	CBLC (2.1)	BCAM (2.0)	CASC4 (1.7)	HAVCR1 (1.6)
CTSB (2.0)	LINC00208 (1.9)	HAVCR1 (1.8)	ZNF513 (1.8)	CETP (1.7)
NAT2 (2.5)	KBTBD4 (2.4)	SUPT7L (2.3)	MAU2 (2.3)	CITED2 (2.2)
PIGV (2.0)	ENSG00000257711 (2	MRPL33 (1.8)	TDH (1.8)	LINC00208 (1.7)
ZNF335 (3.1)	KDM3A (3.1)	GMIP (2.9)	MAU2 (2.9)	ARID1A (2.5)
TRIM54 (2.9)	MAMSTR (2.7)	GPAM (2.3)	FGF21 (2.1)	CD300LG (2.1)
CCDC121 (3.1)	FNBP4 (3.1)	BUD13 (3.0)	NOP58 (3.0)	KDM3A (2.8)
GATA4 (3.6)	PACSIN3 (3.1)	LPL (2.7)	ARHGAP1 (2.5)	DUSP3 (2.5)
FRMD5 (2.7)	GATA4 (2.5)	NDUFS3 (2.4)	IMMT (2.3)	PLTP (2.3)
HDAC5 (2.1)	CD300LG (2.0)	EPB41L3 (1.9)	RSPO3 (1.9)	CLPTM1 (1.8)

C2orf16 (2.3)	C19orf80 (2.3)	C11orf9 (2.3)	GPAM (2.2)	HAPLN4 (2.2)
IMMT (2.5)	INTS10 (2.5)	CELF1 (2.4)	ARID1A (2.4)	PAFAH1B2 (2.3)
GTF3C2 (2.6)	ZNF408 (2.5)	AGBL5 (2.4)	ARID1A (2.3)	SUPT7L (2.1)
TOMM40 (2.6)	PREB (2.5)	CKAP5 (2.4)	PPM1G (2.4)	EIF2B4 (2.4)
UBXN2B (2.5)	ENSG00000234945 (2	REEP3 (2.3)	ZNF513 (2.3)	COBLL1 (2.2)
GALNT2 (3.2)	ATG13 (2.9)	CGREF1 (2.9)	PDIA3 (2.8)	FUT2 (2.5)
ENSG00000255020 (2	FRMD5 (2.0)	C11orf9 (2.0)	ENSG00000235545 (1	GATA4 (1.8)
KBTBD4 (2.4)	MFAP1 (2.2)	SDCBP (2.2)	SUPT7L (2.1)	BCL3 (2.0)
PTCD3 (2.8)	POLR1A (2.6)	GPN1 (2.6)	DHODH (2.5)	NUP160 (2.3)
PTCD3 (2.8)	POLR1A (2.6)	GPN1 (2.6)	DHODH (2.5)	NUP160 (2.3)
PVRL2 (2.8)	KRTCAP3 (2.6)	LINC00208 (2.6)	CCDC92 (2.6)	FAM167A (2.4)
MYBPC3 (2.0)	UCN (2.0)	RASIP1 (1.9)	STRC (1.9)	DNAJC5G (1.8)
MAPK10 (2.1)	ABCA1 (2.0)	LPL (2.0)	KLF14 (1.9)	SLC22A3 (1.8)
CCDC121 (2.9)	FZD9 (2.4)	NCAN (1.9)	LRP4 (1.9)	ENSG00000235545 (1
GTF3C2 (2.7)	ZNF512 (2.6)	NUP160 (2.6)	PCIF1 (2.5)	DHX38 (2.5)
BMPR2 (2.6)	GATA4 (2.3)	C8orf49 (2.2)	ENSG00000254235 (2	KANK2 (1.8)
MAU2 (2.3)	TUBGCP4 (2.2)	ENSG00000236267 (2	SFN (2.0)	APOA5 (1.9)
NDUFS3 (3.0)	ATP13A1 (3.0)	MRPL35 (2.7)	SNX17 (2.6)	C2orf28 (2.4)
ABO (2.6)	DHX38 (2.6)	INTS10 (2.4)	CAD (2.2)	ATP13A1 (2.2)
ARFGAP2 (3.8)	PREB (3.8)	HARBI1 (3.7)	CGREF1 (3.2)	ARHGAP1 (3.0)
DPYSL5 (2.3)	CYP26A1 (2.0)	TDH (2.0)	RFX4 (2.0)	CILP2 (2.0)
C8orf12 (2.4)	HDAC5 (2.2)	LSM12 (2.2)	BCL3 (2.1)	MTF2 (2.1)
PCIF1 (2.9)	MFAP1 (2.9)	NOP58 (2.6)	FNBP4 (2.6)	GPN1 (2.6)
PTPN13 (2.5)	AGBL5 (2.5)	CCDC18 (2.5)	RFX4 (2.4)	C11orf49 (2.3)
PPIP5K1 (2.9)	SNX17 (2.8)	ZNF335 (2.8)	MRPL35 (2.7)	MTCH2 (2.7)
LPL (2.4)	PDIA3 (2.4)	UBXN2B (2.2)	RIC8B (2.1)	REEP1 (2.1)
PTPN13 (3.5)	LPA (2.7)	CILP2 (2.4)	BNC2 (2.4)	REEP3 (2.1)
BRE (2.2)	EPB41L3 (2.1)	ENSG00000256746 (1	MADD (1.9)	DPYSL5 (1.8)
GPN1 (2.9)	GATAD2A (2.9)	FEN1 (2.9)	PCIF1 (2.8)	POLR1A (2.7)
CAD (2.8)	MAU2 (2.6)	MADD (2.3)	FNBP4 (2.2)	BUD13 (2.1)
C2orf28 (2.9)	TMEM175 (2.9)	PTPMT1 (2.5)	SPG11 (2.4)	DUSP3 (2.3)
FZD9 (2.2)	DOCK6 (2.0)	GATA4 (2.0)	EMILIN1 (2.0)	KANK2 (1.8)
MFAP1 (2.1)	NFE2L3 (2.0)	SDCBP (2.0)	TOMM40 (2.0)	SFN (1.8)
MFAP1 (2.1)	NFE2L3 (2.0)	SDCBP (2.0)	TOMM40 (2.0)	SFN (1.8)
MFAP1 (2.1)	NFE2L3 (2.0)	SDCBP (2.0)	TOMM40 (2.0)	SFN (1.8)
MFAP1 (2.1)	NFE2L3 (2.0)	SDCBP (2.0)	TOMM40 (2.0)	SFN (1.8)
MFAP1 (2.1)	NFE2L3 (2.0)	SDCBP (2.0)	TOMM40 (2.0)	SFN (1.8)
IGF2R (2.4)	BCAM (2.1)	VEGFA (2.0)	ENSG00000236267 (2	GALNT2 (2.0)
FUT1 (2.7)	DOCK6 (2.6)	KANK2 (2.5)	ZNF335 (2.5)	PACSIN3 (2.4)
SFN (3.8)	FUT1 (3.4)	PTPN13 (2.9)	SDC1 (2.8)	ENSG00000182319 (2
CLPTM1 (2.6)	PBX4 (2.2)	EPB41L3 (2.2)	ATP13A1 (2.0)	C11orf9 (2.0)
DOCK6 (3.3)	AGBL5 (3.2)	RSPO3 (3.0)	TRIM54 (2.4)	RASIP1 (2.2)
DPYSL5 (2.8)	FNDC4 (2.7)	ENSG00000254235 (2	LRP4 (2.5)	C1QTNF4 (2.1)
RASIP1 (2.7)	C1orf172 (2.7)	PTPN13 (2.6)	CBLC (2.5)	LRP4 (2.4)
NDUFS3 (2.5)	LSM12 (2.5)	CAD (2.4)	PPM1G (2.4)	EIF2B4 (2.3)
RFX4 (1.8)	ENSG00000179523 (1	COBLL1 (1.8)	CILP2 (1.8)	ENSG00000182319 (1
FNBP4 (2.1)	SUMO1 (2.0)	CGREF1 (2.0)	PPM1G (1.7)	ATP13A1 (1.6)
NSMAF (2.3)	TIMD4 (2.3)	CTSB (2.2)	ENSG00000236267 (2	GALNT2 (1.9)
DHODH (2.5)	NOP58 (2.5)	CATSPER2 (2.3)	FADS2 (2.1)	G6PC3 (2.1)
INTS10 (2.3)	PMFBP1 (2.3)	HAVCR1 (2.2)	ZNF408 (2.1)	PTPMT1 (2.0)

ENSG00000223522 (2	INTS10 (2.4)	COBLL1 (2.3)	SIDT2 (2.1)	KBTBD4 (2.1)
NOP58 (2.7)	PPM1G (2.7)	GTF3C2 (2.6)	NUP160 (2.5)	INTS10 (2.4)
CILP2 (2.4)	STRC (2.3)	TECTB (2.1)	SLC30A3 (2.1)	TDH (2.0)
TIMD4 (2.6)	EPB41L3 (2.5)	CTSB (2.1)	RSPO3 (2.0)	APOE (1.9)
DR1 (2.8)	BAZ1B (2.3)	TP53BP1 (2.1)	PCIF1 (2.0)	HDAC5 (2.0)
SIK3 (2.8)	SFN (2.7)	PACSIN3 (2.7)	PTPN13 (2.6)	FUT1 (2.5)
PMFBP1 (2.7)	TP53BP1 (2.3)	CMIP (1.9)	SUGP1 (1.9)	C2orf53 (1.8)
DHODH (3.0)	FADS2 (3.0)	PTPMT1 (2.7)	MRPL35 (2.7)	HARBI1 (2.6)
MAPRE3 (2.9)	EIF2B4 (2.9)	PREB (2.8)	ZNF259 (2.8)	SUGP1 (2.7)
APOE (2.0)	PPIP5K1 (1.8)	NEIL2 (1.6)	CTSB (1.6)	AFF1 (1.4)
ABHD1 (2.3)	DDB2 (2.2)	IMMT (2.2)	G6PC3 (2.2)	AGBL5 (2.1)
BCAM (2.8)	PVRL2 (2.6)	C11orf49 (2.4)	C1orf172 (2.1)	KANK2 (2.0)
TIMD4 (2.3)	BLK (2.1)	SLC22A3 (2.1)	PYY (2.0)	GMIP (1.8)
CAD (3.0)	TOMM40 (2.6)	GPN1 (2.5)	PTCD3 (2.5)	CITED2 (2.5)
SDCBP (2.6)	PAFAH1B2 (2.5)	ATG13 (2.4)	MAMSTR (2.4)	SLC22A3 (2.4)
PTPN13 (2.2)	PBX4 (2.1)	BCL3 (2.1)	CETP (1.9)	ZNF513 (1.8)
CSGALNACT1 (2.5)	SIK3 (2.4)	MTMR9 (2.4)	BCL3 (2.4)	ARID1A (2.4)
CITED2 (2.0)	GPN2 (1.8)	TMEM101 (1.8)	GATAD2A (1.7)	BUD13 (1.7)
PIGV (2.1)	NSMAF (2.0)	HARBI1 (1.9)	MAFF (1.9)	FNBP4 (1.8)
PCIF1 (3.2)	KBTBD4 (3.0)	ATP13A1 (2.8)	CTDSPL2 (2.6)	BUD13 (2.6)
DUSP3 (2.6)	IGF2R (2.4)	SPG11 (2.4)	KANK2 (2.4)	PACSIN3 (2.4)
RFX4 (2.4)	HAPLN4 (2.2)	C11orf9 (2.0)	UCN (1.8)	PREB (1.5)
VEGFA (2.8)	APOA4 (2.8)	BCL3 (2.6)	TM6SF2 (2.6)	CATSPER2 (2.5)
C17orf105 (2.9)	TRIB1 (2.9)	GATA4 (2.8)	ENSG00000236827 (2	LPAR2 (2.6)
ZNF259 (3.1)	ATP13A1 (3.0)	TOMM40 (2.7)	OST4 (2.7)	GATAD2A (2.3)
SUMO1 (2.1)	PDIA3 (2.0)	CITED2 (1.9)	PPM1G (1.8)	PTCD3 (1.7)
LRP4 (2.5)	INTS10 (2.5)	SLC22A3 (2.3)	SUPT7L (2.1)	AFF1 (2.0)
GPN1 (3.7)	EIF3J (3.3)	EIF2B4 (3.3)	TOMM40 (3.3)	CAD (3.2)
EMILIN1 (2.7)	PTPRJ (2.7)	CITED2 (2.3)	C11orf9 (2.2)	C8orf49 (1.9)
VEGFA (2.6)	AFF1 (2.6)	GPAM (2.5)	C2orf16 (2.2)	CD300LG (2.1)
IZUMO1 (2.4)	PBX4 (2.3)	CETP (2.2)	C2orf53 (2.1)	PTPMT1 (2.1)
ARID1A (2.3)	CETP (2.3)	HDAC5 (2.2)	MTF2 (2.1)	JMJD1C (2.1)
BCAM (2.4)	CITED2 (2.3)	C11orf9 (2.2)	TRIB1 (2.1)	ATG4C (2.1)
CMIP (2.0)	NSMAF (2.0)	GATAD2A (1.6)	ATP13A1 (1.5)	SUGP1 (1.4)
CMIP (2.0)	NSMAF (2.0)	GATAD2A (1.6)	ATP13A1 (1.5)	SUGP1 (1.4)
BCAM (2.7)	ENSG00000179523 (2	KRTCAP3 (2.4)	FAM167A (2.2)	SDC1 (2.0)
TMEM101 (1.9)	TIMD4 (1.9)	TMED5 (1.9)	CETP (1.8)	CATSPER2 (1.8)
DUSP3 (2.3)	MTMR9 (1.9)	APOE (1.9)	MPV17 (1.7)	RIC8B (1.7)
COBLL1 (2.6)	NEIL2 (2.5)	C2orf16 (2.4)	LPAL2 (2.2)	PIGV (1.8)
BUD13 (3.1)	PCIF1 (2.9)	KBTBD4 (2.8)	GPN1 (2.6)	AMBRA1 (2.5)
PAFAH1B2 (2.5)	TMEM175 (2.4)	BAZ1B (2.3)	PPIP5K1 (2.2)	IFT172 (2.1)
GPN1 (3.5)	CAD (3.4)	INTS10 (3.4)	NUP160 (3.4)	EIF3J (3.0)
GPN1 (3.6)	EIF3J (3.5)	CAD (3.2)	DHODH (3.1)	TOMM40 (3.1)
TBL2 (3.0)	ABCA1 (2.7)	NR1H3 (2.5)	CCDC18 (2.4)	SDCBP (2.3)
MRPL33 (2.3)	DHX38 (2.3)	TOMM40 (2.3)	ABO (2.3)	NUP160 (2.2)
RIC8B (2.3)	LPL (2.3)	LRP4 (2.1)	ANGPTL4 (1.8)	KBTBD4 (1.8)
FRMD5 (2.5)	MAFF (2.3)	MAPK10 (2.1)	C19orf80 (2.1)	PMFBP1 (2.0)
RSPO3 (2.5)	PBX4 (2.4)	LRP4 (2.4)	CD300LG (2.3)	NCAN (2.2)
C2orf28 (3.5)	TMEM101 (2.8)	ATP13A1 (2.7)	CLPTM1 (2.6)	SIDT2 (2.6)
ZNF512 (2.7)	USP1 (2.6)	CTDSPL2 (2.6)	BAZ1B (2.4)	BUD13 (2.4)

TRIB1 (1.8)	PLA2G6 (1.8)	CSGALNACT1 (1.7)	IZUMO1 (1.7)	C2orf53 (1.6)
POLR1A (3.1)	PTCD3 (3.1)	CTDSPL2 (3.0)	USP1 (3.0)	INTS10 (2.9)
GMIP (2.7)	ZNF512 (2.4)	ARID1A (2.4)	ZNF335 (2.3)	JMJD1C (2.1)
ENSG00000200241 (3	MTCH2 (3.3)	PPIP5K1 (3.3)	IMMT (3.1)	PTPMT1 (3.0)
UBXN2B (2.6)	TP53BP1 (2.5)	GATAD2A (2.1)	EIF3J (2.1)	CAD (1.9)
MADD (2.9)	ZNF335 (2.7)	FNBP4 (2.6)	MAU2 (2.4)	C8orf12 (2.2)
MADD (2.9)	ZNF335 (2.7)	FNBP4 (2.6)	MAU2 (2.4)	C8orf12 (2.2)
MAU2 (3.2)	PTCD3 (3.2)	HARBI1 (3.0)	MTCH2 (2.7)	CAD (2.7)
CMIP (2.3)	GTF3C2 (2.2)	RASIP1 (1.9)	HDAC5 (1.9)	MAU2 (1.9)
NEIL2 (2.5)	PTPMT1 (2.3)	MAPRE3 (2.2)	MPV17 (2.0)	C2orf53 (1.8)
DNAJC5G (2.0)	CTSB (2.0)	ZNF513 (1.7)	MTMR9 (1.7)	SIDT2 (1.6)
C1QTNF4 (2.9)	PPY (2.9)	PMFBP1 (2.1)	MPP2 (2.0)	ENSG00000226645 (1
KLF14 (2.4)	SFN (2.3)	CMIP (2.2)	PYY (2.1)	PLTP (2.0)
SPG11 (2.0)	POLR1A (2.0)	TMEM214 (1.9)	IMMT (1.8)	TXNL4B (1.8)
OST4 (3.4)	TOMM40 (2.8)	UBXN2B (2.4)	CTDSPL2 (2.4)	EIF3J (2.4)
OST4 (3.4)	TOMM40 (2.8)	UBXN2B (2.4)	CTDSPL2 (2.4)	EIF3J (2.4)
DOCK7 (2.3)	LSM12 (2.3)	ATG13 (2.1)	CHMP3 (2.0)	CCDC92 (2.0)
MLXIPL (2.5)	PTCD3 (2.5)	IMMT (2.4)	FDFT1 (2.3)	MTCH2 (2.3)
PBX4 (2.7)	CSGALNACT1 (2.4)	FGF21 (2.1)	AFF1 (2.0)	FUT2 (2.0)
GALNT2 (2.0)	NSMAF (1.7)	NR1H3 (1.5)	SIDT2 (1.5)	SLC22A3 (1.5)
ARID1A (2.7)	NR0B2 (2.6)	UBXN2B (2.6)	BAZ1B (2.4)	C8orf49 (2.2)
ARID1A (2.5)	KDM3A (2.3)	NSMAF (2.2)	LRP4 (2.1)	BCL3 (2.0)
DHX38 (3.2)	NUP160 (3.0)	USP1 (2.9)	MTF2 (2.8)	PPM1G (2.8)
ENSG00000236827 (2	GALNT2 (2.0)	CCDC121 (2.0)	DNAJC5G (2.0)	ANGPTL4 (2.0)
ENSG00000182319 (2	VEGFA (2.4)	MAFF (2.1)	RFX4 (2.1)	MTF2 (1.9)
PVRL2 (2.2)	GMIP (2.2)	ZDHHC18 (2.2)	CD300LG (2.0)	HDAC5 (1.9)
EIF3J (3.5)	TOMM40 (3.5)	DHODH (3.2)	CAD (3.2)	EIF2B4 (3.1)
GMIP (2.5)	ENSG00000256731 (2	LSM12 (2.0)	C19orf80 (1.9)	VEGFA (1.8)
CCDC121 (2.4)	SDC1 (2.3)	PTPN13 (2.1)	RSPO3 (2.0)	LPL (1.9)
ENSG00000256746 (2	CD300LG (2.3)	LPAL2 (2.2)	NEIL2 (2.1)	EPB41L3 (2.0)
POLR1A (3.2)	PTCD3 (3.0)	CTDSPL2 (3.0)	CKAP5 (3.0)	GPN1 (2.9)
ENSG00000236267 (2	RASIP1 (2.0)	ANGPTL4 (1.9)	ABO (1.9)	CSGALNACT1 (1.8)
MTF2 (2.0)	ARFGAP2 (2.0)	TP53BP1 (1.9)	INTS10 (1.8)	GATAD2A (1.8)
CYP7A1 (2.5)	AFF1 (2.5)	HARBI1 (2.0)	AMBRA1 (1.9)	ENSG00000236827 (1
EIF3J (3.0)	EIF2B4 (2.9)	TOMM40 (2.9)	PPM1G (2.9)	POLR1A (2.6)
NDUFS3 (3.8)	MTCH2 (3.3)	IMMT (3.3)	PTPMT1 (3.2)	PPIP5K1 (3.2)
NRBP1 (2.5)	LSM12 (2.2)	ARID1A (2.2)	SIK3 (2.1)	DOCK7 (2.0)
CTDSPL2 (2.3)	MTF2 (2.2)	ENSG00000256731 (2	C2orf16 (2.0)	CETP (2.0)
MAFF (2.4)	RIC8B (2.2)	C17orf105 (2.1)	ENSG00000182319 (2	ZNF513 (2.0)
BCAM (2.2)	TAGLN (2.1)	REEP3 (2.1)	GALNT2 (1.8)	SDCBP (1.8)
ZNF259 (3.9)	NOP58 (3.7)	DHODH (3.5)	NUP160 (3.4)	PTCD3 (3.4)
ZNF259 (3.9)	NOP58 (3.7)	DHODH (3.5)	NUP160 (3.4)	PTCD3 (3.4)
SIK3 (2.0)	BRE (1.9)	PIGV (1.9)	NSMAF (1.8)	KLF14 (1.8)
APOE (2.3)	ANGPTL4 (2.2)	ZDHHC18 (2.1)	HAVCR1 (2.0)	BCL3 (2.0)
ZNF259 (4.1)	TOMM40 (3.8)	PTCD3 (3.7)	DHX38 (3.5)	CAD (2.9)
PTPRJ (2.8)	PGS1 (2.6)	NRBF2 (2.2)	SNX17 (1.9)	ENSG00000222035 (1
FRMD5 (2.4)	NR0B2 (2.4)	BCAM (2.3)	HDAC5 (2.0)	REEP1 (1.9)
ZNF512 (2.2)	JMJD1C (2.1)	BCL3 (2.1)	MAU2 (2.1)	ARID1A (2.1)
TIMD4 (2.2)	PBX4 (2.2)	KRTCAP3 (2.0)	AGBL2 (1.9)	CASC4 (1.9)
CMIP (2.7)	KANK2 (2.3)	HDAC5 (2.2)	DOCK6 (2.2)	ZNF335 (2.1)

CCDC121 (2.3)	CYP26A1 (2.2)	NR1H3 (2.1)	ATG4C (1.9)	ABHD1 (1.8)
KRTCAP3 (3.3)	SDC1 (3.1)	FUT1 (3.0)	PTPN13 (2.9)	ENSG00000182319 (2
SFN (3.2)	SDC1 (3.2)	CMIP (2.7)	TSSK6 (2.5)	DUSP3 (2.4)
ENSG00000200241 (3	TBL2 (3.1)	C2orf53 (2.6)	IFT172 (2.6)	PPIP5K1 (2.0)
TOMM40 (3.7)	PTCD3 (3.4)	DHODH (3.1)	EIF3J (3.0)	CAD (2.9)
KLF14 (1.9)	PIGV (1.9)	PPY (1.8)	IFT172 (1.8)	BCL3 (1.8)
LPL (2.2)	PTPN13 (2.2)	ENSG00000253379 (2	SDC1 (2.1)	ENSG00000257711 (2
KRTCAP3 (3.1)	LINC00208 (2.6)	PPY (2.1)	SLC22A3 (2.1)	C17orf105 (1.9)
FNBP4 (2.9)	PTCD3 (2.8)	SUPT7L (2.8)	NOP58 (2.6)	C2orf16 (2.3)
BCL7B (2.6)	NRBP1 (2.6)	SNX17 (2.2)	NRBF2 (2.1)	NSMAF (2.0)
GATAD2A (3.5)	PPM1G (3.3)	TOMM40 (3.3)	IMMT (3.1)	POLR1A (2.8)
PTPMT1 (3.4)	FADS2 (3.2)	ATP13A1 (3.2)	CLPTM1 (3.2)	TMEM101 (3.0)
RBKS (1.9)	PYY (1.8)	BCL3 (1.8)	PBX4 (1.7)	C8orf12 (1.7)
GPN2 (2.4)	LSM12 (2.2)	BCL7B (2.2)	SUGP1 (1.9)	OST4 (1.8)
FGF21 (2.2)	HDAC5 (2.1)	ARFGAP2 (2.1)	MAPRE3 (1.9)	PCIF1 (1.8)
KANK2 (2.1)	RASIP1 (2.0)	NAT2 (1.9)	PYY (1.9)	FGF21 (1.8)
C2orf28 (3.0)	IMMT (2.7)	SLC5A6 (2.7)	SNX17 (2.6)	MTCH2 (2.3)
VEGFA (2.9)	GATA4 (2.2)	ARID1A (2.2)	PVRL2 (1.7)	DPYSL5 (1.5)
CITED2 (2.5)	KANK2 (2.5)	APOB (2.3)	APOC3 (2.3)	GATAD2A (2.0)
APOE (2.3)	PTPRJ (1.9)	CTSB (1.8)	MAU2 (1.7)	LINC00208 (1.6)
TOMM40 (2.3)	PVRL2 (2.3)	ZNF664 (2.1)	KANK2 (2.0)	ATG4C (2.0)
SUPT7L (2.4)	ZNF408 (2.4)	AGBL5 (2.3)	ARID1A (2.2)	AFF1 (2.2)
ENSG00000182319 (3	CMIP (3.0)	FUT1 (2.9)	KRTCAP3 (2.9)	TRNP1 (2.8)
STRC (2.2)	MAP1A (1.9)	PCSK7 (1.7)	CHMP3 (1.6)	SUMO1 (1.6)
ENSG00000182319 (2	DOCK6 (2.5)	SFN (2.3)	REEP3 (2.2)	RASIP1 (2.2)
BUD13 (3.3)	PCIF1 (3.2)	NOP58 (2.7)	PPM1G (2.7)	INTS10 (2.6)
PREB (3.3)	TMEM101 (3.1)	TBL2 (3.0)	TMEM175 (2.8)	TMED5 (2.6)
CETP (3.2)	TIMD4 (3.2)	FNDC4 (2.8)	NCAN (2.6)	SLC30A3 (2.5)
PACSIN3 (2.1)	DUSP3 (2.0)	NSMAF (1.9)	MAU2 (1.9)	HDAC5 (1.8)
SPG11 (3.0)	PTPRJ (2.6)	TP53BP1 (2.4)	BUD13 (2.3)	ATG4C (2.2)
PCIF1 (2.1)	ARID1A (2.0)	CMIP (2.0)	BMPR2 (1.9)	BUD13 (1.8)
PLA2G6 (2.5)	ENSG00000255020 (2	MLXIPL (2.2)	DNAH10 (2.1)	GPAM (2.1)
ZNF408 (1.9)	ZNF259 (1.7)	NEIL2 (1.7)	BUD13 (1.7)	CBLC (1.6)
ATG13 (2.6)	ARFGAP2 (2.4)	NEIL2 (2.2)	FDFT1 (2.2)	C19orf80 (2.2)
BCL7B (2.0)	MTF2 (2.0)	FZD9 (1.9)	KDM3A (1.7)	ENSG00000254235 (1
CCDC121 (2.4)	RSPO3 (2.2)	CGREF1 (2.1)	TXNL4B (1.9)	SDC1 (1.9)
ABO (2.6)	TRIB1 (2.1)	ZNF408 (2.1)	HGFAC (2.0)	PCIF1 (2.0)
NRBP1 (2.9)	PPM1G (2.5)	NFE2L3 (2.5)	ARFGAP2 (2.4)	SUGP1 (2.3)
TMEM175 (2.3)	CETP (2.1)	ENSG00000179523 (2	C8orf12 (2.0)	LPA (1.9)
PMFBP1 (2.5)	BCL7B (2.5)	NFE2L3 (2.4)	CHMP3 (2.1)	ARFGAP2 (2.0)
PTCD3 (3.1)	GPN1 (3.0)	PPM1G (2.7)	DHX38 (2.7)	CAD (2.6)
ARFGAP2 (2.5)	NFE2L3 (2.4)	SUPT7L (2.2)	NRBP1 (2.2)	HARBI1 (2.2)
RSPO3 (2.0)	CYP26A1 (1.9)	C17orf105 (1.8)	ENSG00000223745 (1	DNAH10 (1.6)
CYP26A1 (2.9)	KLF14 (2.7)	LRP4 (2.6)	MAMSTR (2.1)	PTPN13 (2.0)
C2orf28 (2.8)	MTCH2 (2.7)	SLC22A3 (2.6)	IMMT (2.5)	MRPL33 (2.3)
BMPR2 (2.4)	ENSG00000226645 (2	MAFF (2.3)	PCIF1 (2.2)	ENSG00000257711 (2
RFX4 (2.7)	ENSG00000182319 (2	DPYSL5 (2.6)	LPAR2 (2.6)	LRP4 (2.3)
LSM12 (2.6)	SUPT7L (2.3)	DHX38 (2.3)	AGBL5 (2.0)	NUP160 (2.0)
LRP4 (2.0)	MAFF (2.0)	LPAL2 (2.0)	PYY (1.9)	RSPO3 (1.8)
HAVCR1 (2.7)	BMPR2 (2.4)	GATA4 (2.4)	DR1 (2.2)	TMED5 (2.0)

ATP13A1 (3.2)	PTCD3 (3.1)	PPM1G (3.1)	MRPL35 (3.0)	NDUFS3 (2.9)
REEP3 (2.5)	SIK3 (2.4)	TECTB (2.3)	EPB41L3 (2.3)	PLA2G6 (2.2)
IMMT (1.9)	REEP3 (1.9)	HGFAC (1.7)	TMED5 (1.7)	TIMD4 (1.6)
EIF3J (3.1)	NDUFS3 (3.1)	EIF2B4 (3.1)	TOMM40 (2.6)	PPM1G (2.5)
FUT1 (2.7)	CCDC121 (2.7)	ENSG00000236827 (2	UCN (2.3)	CSGALNACT1 (2.3)
BCAM (2.2)	NCAN (2.1)	HAVCR1 (2.0)	FAM167A (2.0)	G6PC3 (2.0)
HARBI1 (2.3)	DR1 (2.2)	TRIB1 (2.2)	JMJD1C (2.1)	UBXN2B (2.0)
GPN1 (2.7)	CLPTM1 (2.5)	GATAD2A (2.5)	MTCH2 (2.3)	NRBP1 (2.3)
PAFAH1B2 (2.1)	PPY (2.1)	NSMAF (2.1)	CASC4 (2.0)	JMJD1C (2.0)
NOP58 (2.6)	PYY (2.3)	TRNP1 (2.3)	UCN (2.1)	KLF14 (2.0)
DHODH (2.4)	FUT1 (2.3)	TXNL4B (2.2)	ENSG00000254235 (2	UBXN2B (2.1)
MAP1A (2.3)	TBL2 (2.0)	REEP1 (1.9)	ENSG00000182319 (1	STRC (1.8)
TAGLN (3.2)	BCAM (2.9)	CILP2 (2.4)	BMPR2 (2.3)	LRP4 (2.0)
IMMT (1.9)	TMED5 (1.8)	G6PC3 (1.7)	TIMD4 (1.7)	HGFAC (1.6)
PVRL2 (2.9)	C1orf172 (2.5)	ENSG00000182319 (2	BCAM (2.2)	GATAD2A (2.1)
SDC1 (2.6)	RSPO3 (2.5)	CYP26A1 (2.2)	ENSG00000253379 (2	JMJD1C (2.2)
NFE2L3 (2.2)	FZD9 (2.1)	TRIB1 (2.1)	FUT1 (2.0)	FGF21 (1.7)
LRP4 (2.4)	ARID1A (2.3)	BCL3 (2.2)	GMIP (2.0)	CSGALNACT1 (2.0)
TOMM40 (2.4)	PPM1G (2.4)	GPN1 (2.3)	CHMP3 (2.3)	ENSG00000226645 (2
ZNF664 (2.7)	ARFGAP2 (2.6)	ZNF408 (2.5)	ARID1A (2.5)	AGBL5 (2.5)
LSM12 (3.3)	CLPTM1 (2.8)	FUT2 (2.3)	G6PC3 (2.0)	RBKS (1.9)
ZNF335 (2.3)	NEIL2 (2.3)	AMBRA1 (2.2)	BCAM (2.2)	PCIF1 (2.1)
CTDSPL2 (2.7)	LSM12 (2.7)	CELF1 (2.5)	NSMAF (2.5)	NOP58 (2.4)
MLXIPL (2.5)	PTCD3 (2.5)	IMMT (2.4)	G6PC3 (2.4)	FDFT1 (2.3)
CD300LG (2.5)	APOE (2.4)	ACP2 (2.4)	ABCA1 (2.1)	PCSK7 (2.1)
PGS1 (2.3)	GMIP (2.2)	PBX4 (2.2)	SIK3 (2.1)	PIGV (1.9)
ARHGAP1 (2.6)	ZNF335 (2.3)	ENSG00000182319 (2	PTPRJ (2.1)	SIDT2 (2.0)
ATP13A1 (2.2)	CYP7A1 (2.1)	GALNT2 (2.1)	NFE2L3 (2.1)	AGBL2 (1.7)
TDH (2.3)	DPYSL5 (2.1)	SLC5A6 (2.1)	ENSG00000179523 (2	STRC (1.8)
NCAN (2.8)	RSPO3 (2.4)	MADD (2.1)	ARID1A (1.9)	PTPMT1 (1.8)
SLC22A3 (2.3)	VEGFA (2.2)	APOE (1.9)	ENSG00000182319 (1	ZNF664 (1.9)
ZDHHC18 (3.0)	G6PC3 (2.7)	C2orf28 (2.7)	PIGV (2.7)	KRTCAP3 (2.3)
TAGLN (2.9)	C11orf9 (2.8)	C8orf49 (2.8)	RSPO3 (2.7)	PTPN13 (2.7)
PTCD3 (2.4)	FNBP4 (2.3)	GATAD2A (2.2)	GTF3C2 (1.7)	CHMP3 (1.7)
SLC22A3 (2.1)	RBKS (2.0)	FRMD5 (2.0)	BCAM (2.0)	ENSG00000222035 (2
ARFGAP2 (2.2)	C8orf49 (2.1)	C11orf49 (2.1)	EMILIN1 (2.0)	PTPN13 (1.9)
PGS1 (2.2)	PVRL2 (2.2)	ENSG00000236267 (2	SLC5A6 (2.0)	CCDC18 (1.9)
CYP7A1 (2.5)	GPAM (2.0)	ENSG00000179523 (1	SFN (1.9)	C19orf80 (1.7)
GPN2 (2.5)	PTCD3 (2.2)	RBKS (2.0)	USP1 (2.0)	PIGV (1.9)
REEP3 (2.2)	NRBF2 (2.1)	CHMP3 (2.0)	LPAR2 (2.0)	CASC4 (1.9)
NCAN (2.2)	JMJD1C (2.1)	CMIP (2.1)	CD300LG (1.8)	EMILIN1 (1.8)
LPL (2.4)	ENSG00000256731 (2	C11orf9 (2.3)	C2orf28 (2.2)	SLC22A3 (2.1)
LPL (2.4)	ENSG00000256731 (2	C11orf9 (2.3)	C2orf28 (2.2)	SLC22A3 (2.1)
PVRL2 (2.4)	RASIP1 (2.4)	CSGALNACT1 (2.3)	ENSG00000254235 (2	GATA4 (2.1)
TSSK6 (2.7)	LSM12 (2.6)	CKAP5 (2.5)	ARFGAP2 (2.3)	BRE (2.3)
APOE (2.1)	COBLL1 (2.1)	C8orf12 (2.1)	LPL (1.9)	RSPO3 (1.9)
DDB2 (2.0)	ABHD1 (2.0)	NAGS (2.0)	CCDC18 (1.9)	TUBGCP4 (1.8)
MTMR9 (2.5)	CSGALNACT1 (2.4)	SIK3 (2.4)	BCL3 (2.4)	ARID1A (2.3)
GTF3C2 (2.6)	SUPT7L (2.6)	NSMAF (2.6)	TXNL4B (2.4)	MTF2 (2.3)
SOST (2.2)	RSPO3 (2.1)	C11orf9 (1.9)	EPB41L3 (1.9)	LRP4 (1.8)

TIMD4 (2.2)	GMIP (2.1)	C2orf16 (1.9)	PCSK7 (1.8)	CETP (1.7)
GPN1 (3.1)	MFAP1 (3.1)	GTF3C2 (2.9)	NUP160 (2.8)	POLR1A (2.5)
NCAN (2.7)	ENSG00000182319 (2	FAM167A (2.5)	FZD9 (2.4)	MAP1A (2.2)
BMPR2 (2.8)	KBTBD4 (2.8)	JMJD1C (2.6)	AMBRA1 (2.6)	ARID1A (2.4)
BMPR2 (2.8)	KBTBD4 (2.8)	JMJD1C (2.6)	AMBRA1 (2.6)	ARID1A (2.4)
BMPR2 (2.8)	KBTBD4 (2.8)	JMJD1C (2.6)	AMBRA1 (2.6)	ARID1A (2.4)
PPM1G (3.3)	ATP13A1 (3.2)	PTCD3 (3.1)	MRPL35 (3.0)	NDUFS3 (2.9)
POLR1A (3.2)	GPN1 (3.1)	CTDSPL2 (3.1)	PTCD3 (3.1)	INTS10 (3.0)
CYP7A1 (2.2)	NEIL2 (1.9)	CASC4 (1.9)	SLC22A1 (1.8)	BCL3 (1.8)
KDM3A (2.9)	SPG11 (2.9)	CTDSPL2 (2.7)	BAZ1B (2.6)	NUP160 (2.6)
IGF2R (2.6)	MYBPC3 (2.5)	UCN (2.2)	BCAM (2.2)	GATA4 (2.0)
TAGLN (2.6)	FZD9 (2.5)	PGS1 (2.2)	LRP4 (2.2)	ENSG00000255020 (2
GPN1 (3.4)	SUPT7L (3.3)	BUD13 (3.3)	PCIF1 (3.2)	MAU2 (3.1)
C2orf53 (2.4)	MTMR9 (2.3)	CTDSPL2 (2.3)	USP1 (2.2)	ENSG00000182319 (2
C8orf12 (2.7)	GATA4 (2.5)	LPAR2 (2.0)	NEIL2 (2.0)	TRIM54 (2.0)
PLA2G6 (2.7)	SUPT7L (2.5)	EIF2B4 (2.5)	C2orf28 (2.4)	GPN1 (2.4)
C1orf172 (2.5)	CHMP3 (2.4)	LPAR2 (2.3)	AGBL5 (2.3)	LRP4 (2.2)
IMMT (2.3)	TOMM40 (2.2)	NFE2L3 (2.1)	EIF3J (2.1)	FGF21 (2.1)
PLA2G6 (2.7)	UCN (2.4)	PIGV (2.3)	TECTB (2.2)	FGF21 (2.2)
EMILIN1 (2.7)	ENSG00000223745 (2	ARHGAP1 (2.3)	G6PC3 (2.2)	BCL3 (2.2)
AGBL2 (2.1)	ENSG00000257711 (2	MTMR9 (2.0)	PCSK7 (1.9)	KANK2 (1.8)
APOE (1.8)	ABCA1 (1.8)	KDM3A (1.6)	NCAN (1.6)	BNC2 (1.5)
PVRL2 (3.0)	EMILIN1 (2.7)	APOE (2.2)	CGREF1 (2.2)	SOST (2.2)
CBLC (2.4)	SIK3 (2.3)	CMIP (2.2)	C1orf172 (2.1)	ENSG00000222035 (2
BCAM (2.2)	IMMT (2.2)	FRMD5 (2.2)	MAPRE3 (2.1)	FADS1 (2.1)
C2orf16 (2.1)	JMJD1C (2.1)	NRBF2 (2.1)	HAVCR1 (2.0)	SDC1 (2.0)
C8orf49 (2.8)	MYBPC3 (2.3)	ENSG00000182319 (2	CYP26A1 (2.1)	BCAM (2.0)
ABO (2.3)	ENSG00000257711 (2	MAPK10 (2.2)	HAPLN4 (2.2)	TECTB (2.0)
KRTCAP3 (4.4)	BCAM (2.8)	PVRL2 (2.4)	SLC5A6 (2.3)	FUT1 (2.2)
SUGP1 (3.0)	DHX38 (3.0)	PPM1G (3.0)	BUD13 (2.9)	GTF3C2 (2.7)
TRIB1 (1.7)	LPAL2 (1.7)	SLC30A3 (1.7)	APOE (1.6)	NRBF2 (1.6)
FUT1 (2.2)	CYP7A1 (2.1)	LIPC (2.0)	ENSG00000223522 (1	ENSG00000256731 (1
WDR76 (2.1)	BAZ1B (2.1)	PAFAH1B2 (2.1)	BMPR2 (2.1)	CHMP3 (2.0)
MTMR9 (2.9)	KBTBD4 (2.9)	INTS10 (2.8)	ZNF408 (2.7)	SUGP1 (2.5)
CD300LG (2.8)	TSSK6 (2.5)	UCN (2.4)	DUSP3 (2.4)	CSGALNACT1 (2.2)
DHX38 (3.4)	GPN2 (3.1)	SUGP1 (3.1)	DR1 (2.9)	GTF3C2 (2.9)
ARHGAP1 (2.3)	CHMP3 (2.0)	GMIP (2.0)	CELF1 (1.9)	C11orf9 (1.9)
C8orf49 (3.1)	GATA4 (2.8)	MYBPC3 (2.7)	ENSG00000256746 (2	SLC30A3 (2.1)
C17orf105 (2.7)	CYP7A1 (2.7)	AGBL2 (2.5)	SDCBP (2.5)	APOC4 (2.3)
NSMAF (2.0)	PGS1 (1.9)	SUMO1 (1.9)	UBXN2B (1.9)	POLR1A (1.8)
NSMAF (2.0)	PGS1 (1.9)	SUMO1 (1.9)	UBXN2B (1.9)	POLR1A (1.8)
NDUFS3 (2.9)	PREB (2.8)	MRPL35 (2.7)	ARFGAP2 (2.6)	PPM1G (2.5)
NOP58 (2.8)	GTF3C2 (2.6)	DR1 (2.6)	LSM12 (2.5)	CTDSPL2 (2.5)
KLF14 (1.9)	RASIP1 (1.7)	LPAL2 (1.7)	APOE (1.7)	SLC30A3 (1.6)
FZD9 (2.3)	FRMD5 (2.1)	BCAM (2.1)	SOST (2.0)	LINC00208 (1.8)
CHMP3 (2.4)	CD300LG (2.4)	CETP (2.4)	CELF1 (2.3)	PLTP (2.1)
NOP58 (2.7)	GTF3C2 (2.5)	TP53BP1 (2.5)	LSM12 (2.5)	PTCD3 (2.4)
NOP58 (2.7)	GTF3C2 (2.5)	TP53BP1 (2.5)	LSM12 (2.5)	PTCD3 (2.4)
NOP58 (2.7)	GTF3C2 (2.5)	TP53BP1 (2.5)	LSM12 (2.5)	PTCD3 (2.4)
SUGP1 (3.0)	DR1 (2.9)	DHX38 (2.9)	CTDSPL2 (2.6)	USP1 (2.6)

FEN1 (2.6)	CKAP5 (2.4)	USP1 (2.2)	UBXN2B (2.2)	BLK (2.1)
POLR1A (3.0)	PTCD3 (2.9)	USP1 (2.8)	CKAP5 (2.8)	CTDSPL2 (2.8)
ENSG00000255020 (2	SFN (2.1)	TAGLN (2.0)	PYY (1.9)	GATAD2A (1.8)
DUSP3 (2.9)	GMIP (2.6)	MAMSTR (2.2)	PVRL2 (2.2)	MPP3 (2.0)
LRP4 (1.5)	NFE2L3 (1.3)	MRPL33 (1.3)	FRMD5 (1.3)	AFF1 (1.2)
C8orf49 (2.7)	JMJD1C (2.6)	C2orf53 (2.4)	GATA4 (2.2)	PBX4 (2.2)
ENSG00000253379 (2	ENSG00000223745 (2	PLTP (2.0)	PPIP5K1 (1.9)	HGFAC (1.9)
KRTCAP3 (2.8)	PTPN13 (2.7)	TRNP1 (2.7)	PVRL2 (2.6)	DOCK7 (2.5)
EIF2B4 (2.1)	AMBRA1 (2.1)	HDAC5 (2.1)	SNX17 (2.1)	MPP2 (2.0)
ENSG00000253379 (2	CSGALNACT1 (2.5)	TAGLN (2.2)	CGREF1 (2.2)	EMILIN1 (2.2)
PCSK7 (2.3)	COBLL1 (2.3)	ANGPTL4 (2.3)	TMED5 (2.1)	NR0B2 (2.1)
CSGALNACT1 (2.1)	PTPRJ (2.0)	EPB41L3 (1.9)	CYP26A1 (1.9)	RASIP1 (1.9)
MAMSTR (2.7)	KANK2 (2.6)	GALNT2 (2.4)	FGF21 (2.2)	MAFF (1.9)
CMIP (2.3)	FUT2 (2.1)	LPAL2 (2.1)	NAT2 (1.9)	PLTP (1.7)
ZNF335 (2.7)	MFAP1 (2.4)	ZNF408 (2.3)	INTS10 (2.2)	EIF2B4 (2.2)
CAD (2.4)	PAFAH1B2 (2.3)	CMIP (2.3)	FNBP4 (2.3)	SPG11 (2.2)
TOMM40 (4.0)	PTCD3 (3.9)	EIF3J (3.6)	CAD (3.3)	GPN1 (2.9)
LRP4 (2.8)	FNDC4 (2.7)	DOCK7 (2.4)	RBKS (2.4)	DOCK6 (2.0)
EMILIN1 (2.1)	ANGPTL4 (2.0)	TM6SF2 (1.9)	APOA4 (1.9)	ACP2 (1.8)
C2orf16 (2.7)	LPAL2 (2.5)	DNAH10 (2.5)	CBLC (2.5)	RSPO3 (2.2)
WDR76 (2.1)	HAPLN4 (2.0)	BLK (1.9)	CAD (1.9)	NFE2L3 (1.9)
CITED2 (2.5)	SNX17 (2.2)	ENSG00000236267 (1	KRTCAP3 (1.8)	PAFAH1B2 (1.7)
ACP2 (2.3)	C2orf16 (2.1)	NR1H3 (2.1)	ABCA1 (1.8)	SUMO1 (1.7)
PTPN13 (1.8)	TDH (1.8)	FZD9 (1.7)	SIDT2 (1.6)	DOCK7 (1.4)
TRIB1 (2.2)	PCIF1 (2.1)	MAFF (2.0)	NR1H3 (2.0)	MFAP1 (1.8)
TDH (2.7)	ENSG00000257711 (2	DNAH10 (2.5)	LPAR2 (2.4)	FUT2 (2.4)
ZNF513 (2.9)	DUSP3 (2.8)	CHMP3 (2.6)	UBXN2B (2.6)	SPG11 (2.5)
DHODH (2.4)	FRMD5 (2.3)	PTCD3 (2.3)	CITED2 (2.3)	UBXN2B (2.2)
GPAM (3.1)	PPM1G (2.7)	POLR1A (2.6)	EIF2B4 (2.5)	DHODH (2.3)
MRPL35 (3.2)	PREB (3.0)	IMMT (2.9)	ARFGAP2 (2.9)	NFE2L3 (2.8)
FUT1 (1.8)	TSSK6 (1.8)	BUD13 (1.6)	PGS1 (1.5)	JMJD1C (1.5)
CITED2 (2.5)	HDAC5 (2.4)	TSSK6 (2.4)	FEN1 (2.3)	BUD13 (2.1)
C2orf28 (3.7)	G6PC3 (3.1)	MAU2 (3.1)	TMEM101 (3.0)	ZNF335 (2.6)
PTCD3 (2.0)	NSMAF (2.0)	KHK (1.9)	NRBF2 (1.9)	POLR1A (1.8)
TMEM175 (2.4)	PPIP5K1 (2.3)	NRBP1 (2.3)	ATG4C (2.3)	IGF2R (2.2)
TMEM175 (2.4)	PPIP5K1 (2.3)	NRBP1 (2.3)	ATG4C (2.3)	IGF2R (2.2)
KHK (2.4)	LRP4 (2.4)	PBX4 (2.3)	LPAR2 (2.2)	ABO (2.2)
TXNL4B (2.1)	MAPK10 (1.9)	SIK3 (1.8)	AGBL5 (1.8)	CELF1 (1.7)
EPB41L3 (2.3)	FUT2 (2.1)	FGF21 (2.1)	NCAN (1.9)	FADS1 (1.9)
EIF2B4 (2.6)	PREB (2.3)	CAD (2.3)	MTCH2 (2.2)	TUBGCP4 (2.2)
ENSG00000257711 (2	HAPLN4 (2.2)	MAPK10 (2.2)	ABO (2.2)	TECTB (1.9)
ENSG00000257711 (2	HAPLN4 (2.2)	MAPK10 (2.2)	ABO (2.2)	TECTB (1.9)
NR0B2 (2.2)	FZD9 (2.1)	C1orf172 (2.1)	RASIP1 (2.0)	ABCA1 (1.9)
SUMO1 (2.5)	MTMR9 (2.4)	BLK (2.3)	PAFAH1B2 (2.3)	PTPRJ (2.1)
ATP13A1 (2.5)	NFE2L3 (2.4)	MPV17 (2.4)	PCSK7 (2.3)	PIGV (1.9)
ENSG00000255020 (2	ABHD1 (2.2)	C11orf49 (2.1)	DHODH (2.1)	SLC22A1 (2.1)
MRPL35 (3.0)	EIF2B4 (2.9)	EIF3J (2.9)	POLR1A (2.9)	CAD (2.8)
SDCBP (2.7)	DR1 (2.6)	CELF1 (2.5)	ARID1A (2.4)	REEP3 (2.1)
BUD13 (2.4)	FEN1 (2.1)	FNBP4 (1.9)	BCL3 (1.9)	ARID1A (1.8)
TIMD4 (2.4)	BLK (2.1)	CSGALNACT1 (1.8)	CETP (1.8)	CD300LG (1.8)

ENSG00000256746 (2	BAZ1B (2.0)	PLTP (1.9)	FRMD5 (1.9)	KDM3A (1.8)
CKAP5 (3.2)	KDM3A (3.1)	CELF1 (3.0)	CTDSPL2 (2.8)	DOCK7 (2.8)
SPG11 (3.2)	POLR1A (3.1)	ZNF335 (3.1)	ARID1A (3.0)	AGBL5 (2.9)
ABO (2.4)	ENSG00000182329 (1	CETP (1.8)	MADD (1.8)	C2orf53 (1.8)
EMILIN1 (3.5)	BCAM (2.8)	TECTB (2.1)	STRC (2.0)	COBLL1 (2.0)
ENSG00000226645 (2	TP53BP1 (1.9)	ENSG00000236267 (1	ABHD1 (1.8)	PTPMT1 (1.7)
C11orf9 (2.5)	PTPN13 (2.4)	PACSIN3 (2.4)	RSPO3 (2.3)	NFE2L3 (2.3)
NR1H3 (2.3)	PREB (2.2)	APOA5 (2.2)	EIF2B4 (2.1)	C2orf28 (2.1)
ENSG00000234945 (2	ABO (2.5)	C2orf16 (2.5)	PMFBP1 (2.4)	PLA2G6 (2.3)
CLPTM1 (2.7)	NDUFS3 (2.3)	PAFAH1B2 (1.9)	NAGS (1.8)	PTCD3 (1.8)
SIK3 (2.6)	KANK2 (2.5)	ARID1A (2.5)	AFF1 (2.4)	BNC2 (2.4)
CCDC121 (2.0)	CATSPER2 (2.0)	ATG4C (1.9)	ENSG00000256731 (1	ABCA1 (1.8)
MAMSTR (2.2)	GALNT2 (2.1)	PCSK7 (2.1)	RFX4 (2.1)	GTF3C2 (2.1)
PACSIN3 (2.3)	GTF3C2 (2.1)	ZNF408 (2.1)	PTPMT1 (2.0)	SUGP1 (2.0)
C8orf12 (2.1)	JMJD1C (2.1)	ZNF513 (2.0)	ENSG00000234945 (2	ZNF408 (2.0)
HARBI1 (1.9)	CBLC (1.8)	NAGS (1.8)	PCSK7 (1.7)	AGBL2 (1.7)
KRTCAP3 (3.0)	FUT1 (2.9)	DUSP3 (2.8)	DHX38 (2.5)	SFN (2.4)
SDCBP (2.4)	RIC8B (2.2)	FEN1 (2.2)	SNX17 (2.1)	PDIA3 (2.1)
SUGP1 (2.9)	DHX38 (2.8)	DR1 (2.7)	INTS10 (2.6)	PCIF1 (2.6)
SOST (2.3)	C11orf9 (2.3)	G6PC3 (2.2)	ANGPTL4 (2.1)	C2orf28 (2.0)
GATAD2A (2.5)	MFAP1 (2.0)	ZNF664 (2.0)	INTS10 (1.8)	WDR76 (1.8)
BRE (2.8)	NRBP1 (2.3)	TOMM40 (2.2)	CHMP3 (2.2)	PPM1G (2.1)
AFF1 (2.2)	COBLL1 (2.0)	FADS1 (2.0)	UBXN2B (1.8)	ENSG00000179523 (1
C11orf9 (2.8)	CYP26A1 (2.2)	TDH (2.1)	ENSG00000182329 (2	BNC2 (2.0)
NEIL2 (2.1)	FADS2 (2.0)	SDC1 (1.9)	DOCK7 (1.9)	PVRL2 (1.8)
PTPRJ (2.1)	C2orf16 (1.9)	ENSG00000235545 (1	NFE2L3 (1.8)	ENSG00000234945 (1
FADS1 (3.2)	TMED5 (3.1)	PCSK7 (2.9)	TMEM214 (2.9)	PDIA3 (2.9)
ZNF259 (2.1)	PTCD3 (1.9)	SUGP1 (1.9)	POLR1A (1.8)	NSMAF (1.8)
LPAR2 (2.5)	UBXN2B (2.4)	ZNF513 (2.4)	COBLL1 (2.3)	REEP3 (2.1)
DOCK7 (2.3)	GMIP (2.2)	ENSG00000223745 (2	ENSG00000226645 (2	HDAC5 (2.0)
GMIP (2.5)	FAM167A (2.4)	DNAH10 (2.4)	GALNT2 (1.9)	ENSG00000256731 (1
KBTBD4 (2.4)	FNBP4 (2.3)	SDCBP (2.1)	MFAP1 (2.1)	NEIL2 (2.0)
IMMT (2.3)	GCKR (2.3)	MTCH2 (2.3)	EIF2B4 (2.3)	NRBP1 (2.2)
DUSP3 (2.6)	SIK3 (2.6)	SPG11 (2.5)	LPAR2 (2.5)	C11orf9 (2.3)
SUPT7L (2.5)	ZNF408 (2.4)	AGBL5 (2.4)	GTF3C2 (2.2)	DHX38 (2.2)
DHX38 (2.9)	SUGP1 (2.8)	CTDSPL2 (2.6)	PCIF1 (2.6)	USP1 (2.5)
CCDC92 (2.4)	DOCK7 (2.3)	ENSG00000235545 (2	BRE (2.1)	CAD (2.1)
PMFBP1 (4.2)	ABHD1 (3.5)	ENSG00000234945 (2	AGBL2 (2.0)	PTPMT1 (1.9)
CATSPER2 (2.0)	REEP3 (1.8)	C2orf28 (1.8)	DDB2 (1.8)	CETP (1.8)
MAFF (2.2)	CKAP5 (2.2)	NRBP1 (2.1)	FEN1 (2.1)	SDCBP (2.1)
HDAC5 (2.3)	ARID1A (2.3)	TUBGCP4 (2.1)	DOCK6 (2.1)	LRP4 (1.9)
GTF3C2 (2.1)	GPN1 (2.1)	USP1 (2.1)	PPM1G (2.0)	MFAP1 (2.0)
UCN (2.2)	RSPO3 (2.0)	CHMP3 (2.0)	FUT1 (2.0)	PVRL2 (2.0)
BUD13 (2.4)	ENSG00000223522 (2	ZNF512 (2.4)	ZNF664 (2.2)	ZNF335 (2.0)
SFN (3.9)	FUT1 (2.8)	SDC1 (2.7)	PTPN13 (2.6)	ENSG00000182319 (2
C2orf28 (2.2)	NAT2 (2.2)	ENSG00000182329 (2	RSPO3 (2.2)	RASIP1 (2.2)
JMJD1C (2.7)	NOP58 (2.3)	PTCD3 (2.2)	DOCK7 (1.7)	BUD13 (1.7)
CMIP (2.2)	ENSG00000223745 (2	ENSG00000234945 (2	SLC22A3 (2.0)	C1QTNF4 (2.0)
GPN1 (2.3)	PTCD3 (2.3)	CCDC121 (2.0)	EIF2B4 (1.9)	POLR1A (1.9)
BMPR2 (2.7)	FAM167A (2.7)	PTPN13 (2.6)	AFF1 (2.3)	DUSP3 (2.3)

C1orf172 (2.4)	KRTCAP3 (2.2)	FUT1 (2.1)	PMFBP1 (1.9)	SOST (1.8)
TMEM214 (2.6)	KRTCAP3 (2.5)	SIDT2 (2.4)	CILP2 (2.3)	PLTP (2.2)
G6PC3 (3.8)	C2orf28 (3.5)	ENSG00000223745 (2	ATP13A1 (2.6)	BRE (2.6)
NOP58 (2.3)	AMBRA1 (2.3)	CELF1 (2.1)	C1QTNF4 (2.0)	ARFGAP2 (2.0)
BUD13 (3.1)	SUPT7L (3.0)	SUGP1 (2.9)	PPM1G (2.6)	BAZ1B (2.5)
OST4 (2.4)	PPM1G (2.2)	DHX38 (2.2)	SUGP1 (2.2)	PDIA3 (2.1)
CILP2 (2.3)	C8orf49 (2.1)	MTMR9 (2.1)	IGF2R (2.0)	ACP2 (1.9)
ENSG00000253379 (2	FZD9 (2.1)	RFX4 (2.1)	RSPO3 (1.9)	LRP4 (1.7)
TAGLN (3.5)	APOE (2.1)	BNC2 (2.0)	LPL (2.0)	SDC1 (1.9)
DNAH10 (2.5)	TRIB1 (2.4)	LPAR2 (2.4)	GATA4 (2.3)	ENSG00000236827 (2
PLA2G6 (2.1)	MAPK10 (1.9)	FRMD5 (1.9)	ARFGAP2 (1.8)	SNX17 (1.7)
DOCK6 (3.0)	PPIP5K1 (2.5)	EMILIN1 (2.4)	IGF2R (2.2)	PVRL2 (2.2)
MRPL33 (2.4)	SUMO1 (2.3)	ZNF259 (2.3)	DHX38 (1.8)	SUPT7L (1.8)
GPN1 (3.3)	DHODH (3.2)	POLR1A (3.2)	SLC5A6 (3.0)	MFAP1 (2.7)
FAM167A (2.2)	GATA4 (2.1)	CYP26A1 (2.1)	FRMD5 (2.1)	NSMAF (2.0)
AGBL5 (3.7)	SNX17 (3.6)	PREB (3.2)	GPN1 (3.1)	TMED5 (2.8)
ENSG00000182329 (2	LPAR2 (2.4)	TM6SF2 (2.4)	RBKS (2.3)	STRC (2.2)
PTPRJ (1.8)	NEIL2 (1.8)	C8orf12 (1.8)	ZNF408 (1.7)	NRBF2 (1.6)
ABHD1 (2.3)	FUT2 (2.2)	C1QTNF4 (2.1)	CTSB (2.0)	IZUMO1 (1.8)
ABHD1 (2.3)	FUT2 (2.2)	C1QTNF4 (2.1)	CTSB (2.0)	IZUMO1 (1.8)
BRE (2.0)	C17orf105 (1.9)	IFT172 (1.7)	PTPRJ (1.6)	FUT1 (1.6)
ATG4C (2.5)	TP53BP1 (2.4)	CHMP3 (2.3)	MPP2 (2.2)	NRBP1 (2.2)
GPAM (2.8)	ABCA1 (2.7)	FNDC4 (2.6)	CTSB (2.4)	MPP3 (2.3)
ARID1A (2.4)	PPM1G (2.1)	AMBRA1 (1.9)	CELF1 (1.9)	C11orf49 (1.9)
FGF21 (1.8)	DDB2 (1.8)	ENSG00000200241 (1	LIPC (1.6)	NFE2L3 (1.6)
ENSG00000253379 (2	MAPK10 (2.1)	SFN (2.0)	PTPN13 (1.8)	RIC8B (1.8)
HAPLN4 (3.0)	BNC2 (3.0)	SIK3 (2.4)	ENSG00000179523 (2	EPB41L3 (2.1)
DHODH (3.2)	NEIL2 (3.0)	TOMM40 (2.7)	EIF3J (2.6)	ZNF259 (2.6)
ENSG00000256746 (2	FUT1 (2.1)	GMIP (1.9)	DUSP3 (1.9)	DNAJC5G (1.8)
BNC2 (3.0)	EPB41L3 (2.6)	C11orf49 (2.5)	DPYSL5 (2.4)	ZNF664 (2.3)
ENSG00000235545 (2	ENSG00000257711 (2	TECTB (1.9)	LPL (1.8)	CITED2 (1.5)
MAFF (2.1)	ATG13 (2.1)	ARID1A (1.9)	C8orf12 (1.9)	VEGFA (1.8)
FGF21 (2.6)	ENSG00000254235 (2	NAT2 (2.3)	C17orf105 (2.2)	ENSG00000226645 (2
MAP1A (2.5)	PLTP (2.2)	CLPTM1 (2.2)	CCDC92 (2.1)	ACP2 (2.0)
KDM3A (2.0)	SOST (1.9)	ZNF408 (1.9)	ZNF335 (1.9)	LSM12 (1.7)
GMIP (2.3)	TRIB1 (2.1)	PCSK7 (2.0)	ENSG00000253379 (2	PLTP (2.0)
C2orf28 (2.6)	CLPTM1 (2.5)	NDUFS3 (2.3)	C17orf105 (1.8)	DHX38 (1.7)
CSGALNACT1 (3.6)	TAGLN (3.0)	LPL (2.5)	SIDT2 (2.5)	APOE (2.1)
CILP2 (2.8)	NRBF2 (2.5)	TRIM54 (2.4)	LIPC (2.3)	APOC4 (2.2)
G6PC3 (3.4)	BRE (3.4)	C2orf28 (2.7)	PTPMT1 (2.5)	SIDT2 (2.4)
GATAD2A (2.4)	BAZ1B (2.4)	GALNT2 (2.3)	SUGP1 (2.2)	CTDSPL2 (2.2)
FZD9 (2.5)	MPP2 (2.3)	STRC (2.1)	SPG11 (2.0)	MAPRE3 (1.9)
MAFF (2.6)	GMIP (2.5)	TIMD4 (2.2)	CETP (2.0)	PBX4 (1.8)
RBKS (2.0)	IZUMO1 (2.0)	PIGV (2.0)	ZNF513 (1.9)	NAT2 (1.8)
FUT1 (2.4)	LRP4 (2.3)	DOCK6 (2.3)	SOST (2.2)	RFX4 (2.1)
ATP13A1 (3.3)	PPM1G (3.2)	PTCD3 (3.2)	MRPL35 (3.0)	NDUFS3 (2.9)
ENSG00000257711 (2	SIK3 (1.9)	BCL3 (1.8)	MAMSTR (1.8)	ACP2 (1.8)
TMEM214 (4.6)	CLPTM1 (4.5)	ATP13A1 (4.4)	C2orf28 (4.2)	TMEM101 (4.1)
MRPL33 (2.3)	DOCK7 (2.3)	POLR1A (2.2)	TP53BP1 (2.1)	PTCD3 (2.0)
MRPL35 (2.9)	IMMT (2.8)	ARFGAP2 (2.5)	NFE2L3 (2.5)	MAPRE3 (2.4)

ZNF259 (2.6)	FNBP4 (2.6)	GPN1 (2.5)	EIF3J (2.4)	DHX38 (2.2)
ZNF513 (2.9)	BNC2 (2.8)	EMILIN1 (2.8)	SLC30A3 (2.7)	ZNF512 (2.6)
EPB41L3 (2.4)	ARHGAP1 (2.3)	C1QTNF4 (2.1)	SDCBP (1.9)	MADD (1.9)
TSSK6 (2.6)	ENSG00000257711 (2	ENSG00000179523 (2	ABO (2.1)	DNAJC5G (2.0)
NRBP1 (2.3)	EIF2B4 (2.2)	PPM1G (2.2)	PACSIN3 (2.1)	ZNF664 (2.1)
MRPL35 (3.3)	PREB (3.1)	NDUFS3 (3.0)	GPN1 (2.8)	EIF3J (2.8)
CYP26A1 (2.5)	C1QTNF4 (2.1)	CD300LG (2.0)	FGF21 (1.7)	OST4 (1.7)
CYP26A1 (2.0)	ENSG00000179523 (2	EPB41L3 (2.0)	ENSG00000226645 (1	RASIP1 (1.9)
PMFBP1 (5.0)	AGBL5 (2.9)	IZUMO1 (2.4)	C2orf16 (2.2)	ENSG00000257711 (2
GPN1 (3.4)	PTCD3 (3.2)	TOMM40 (3.1)	EIF2B4 (2.7)	DHODH (2.7)
BCL3 (2.0)	CKAP5 (2.0)	ENSG00000223522 (1	SDCBP (1.9)	PTPMT1 (1.8)
NRBP1 (2.2)	TXNL4B (2.1)	ENSG00000200241 (1	VEGFA (1.9)	FADS2 (1.9)
POLR1A (2.0)	DPYSL5 (1.9)	PTCD3 (1.9)	PLTP (1.8)	ENSG00000236267 (1
ARID1A (3.0)	DNAH10 (2.9)	SIK3 (2.7)	CELF1 (2.7)	ENSG00000223745 (2
IZUMO1 (2.5)	TIMD4 (1.9)	SIK3 (1.8)	PIGV (1.8)	SUPT7L (1.8)
DUSP3 (2.7)	FRMD5 (2.4)	ENSG00000236827 (2	SUPT7L (2.0)	MPP2 (2.0)
SNX17 (2.4)	DUSP3 (2.4)	CHMP3 (2.3)	TP53BP1 (2.3)	EIF3J (2.1)
IGF2R (2.3)	PLTP (2.2)	AMBRA1 (2.1)	NRBF2 (2.0)	GMIP (2.0)
EPB41L3 (2.2)	C2orf16 (2.0)	MPP3 (2.0)	STRC (1.7)	ANGPTL4 (1.7)
SDCBP (2.3)	C11orf9 (2.1)	SDC1 (2.1)	BCL3 (2.1)	RASIP1 (2.0)
MAP1A (3.5)	MADD (3.1)	DPYSL5 (2.9)	MFAP1 (2.9)	BMPR2 (2.8)
PMFBP1 (1.4)	C2orf53 (1.1)	ENSG00000236827 (0	TMEM175 (0.9)	ENSG00000182319 (0
AMBRA1 (2.7)	DOCK6 (2.6)	CD300LG (2.5)	TRNP1 (2.4)	AFF1 (2.4)
SPG11 (2.7)	GALNT2 (2.5)	G6PC3 (2.4)	APOE (2.4)	TMEM175 (2.3)
UBXN2B (2.4)	ZDHHC18 (2.4)	LPAR2 (2.1)	BCL3 (2.1)	FUT2 (2.1)
GTF3C2 (2.6)	SUPT7L (2.5)	AGBL5 (2.4)	ZNF408 (2.4)	BAZ1B (2.4)
LPAR2 (2.3)	ARFGAP2 (2.2)	HARBI1 (2.2)	ATP13A1 (2.2)	ENSG00000223522 (2
MAU2 (1.9)	SFN (1.9)	PCIF1 (1.8)	BCL3 (1.8)	CSGALNACT1 (1.8)
CBLC (4.6)	C8orf12 (2.4)	MAFF (2.4)	BCAM (2.4)	TDH (2.1)
CMIP (2.0)	C11orf9 (1.9)	HAVCR1 (1.9)	LPAR2 (1.8)	G6PC3 (1.8)
PTPN13 (2.6)	FAM167A (2.6)	AFF1 (2.5)	PACSIN3 (2.5)	LPAR2 (2.3)
CYP7A1 (2.2)	PIGV (2.2)	PVRL2 (1.9)	PTPRJ (1.9)	MAU2 (1.7)
NRBF2 (2.0)	GALNT2 (1.8)	CCDC121 (1.8)	NCAN (1.8)	FUT2 (1.7)
DR1 (2.8)	DHX38 (2.8)	SUGP1 (2.7)	CTDSPL2 (2.6)	MTF2 (2.6)
ENSG00000255020 (1	SDC1 (1.6)	ENSG00000222035 (1	CILP2 (1.4)	TDH (1.3)
CLPTM1 (2.3)	AGBL5 (2.3)	DDB2 (2.0)	FGF21 (1.9)	CSGALNACT1 (1.9)
CETP (1.9)	DOCK7 (1.8)	AMBRA1 (1.8)	BLK (1.8)	VEGFA (1.7)
MADD (2.8)	SIK3 (2.5)	GMIP (2.3)	LPAR2 (2.2)	PTPRJ (1.9)
NEIL2 (1.9)	PTPRJ (1.8)	C8orf12 (1.8)	ZNF408 (1.7)	NRBF2 (1.6)
LSM12 (2.3)	ARFGAP2 (2.2)	TIMD4 (2.1)	PDIA3 (2.0)	ATG13 (2.0)
PMFBP1 (1.2)	STRC (1.1)	TMEM175 (1.1)	NRBF2 (1.0)	C2orf53 (0.9)
GMIP (2.4)	TIMD4 (2.3)	ARHGAP1 (2.3)	C2orf16 (2.1)	LPAR2 (2.0)
SDC1 (3.0)	SFN (2.4)	PYY (2.3)	ENSG00000182319 (2	KANK2 (2.1)
MTCH2 (2.6)	ARFGAP2 (2.5)	NDUFS3 (2.5)	MRPL35 (2.3)	MTMR9 (2.3)
AFF1 (2.6)	EMILIN1 (2.5)	SIK3 (2.3)	SOST (2.2)	DOCK7 (2.2)
MLXIPL (2.1)	ENSG00000182329 (2	NAGS (1.9)	KLF14 (1.8)	KHK (1.8)
MLXIPL (2.1)	ENSG00000182329 (2	NAGS (1.9)	KLF14 (1.8)	KHK (1.8)
SLC22A3 (2.5)	SUMO1 (2.3)	AGBL5 (2.2)	PLA2G6 (2.1)	HARBI1 (2.0)
CATSPER2 (2.5)	FUT2 (2.1)	PMFBP1 (2.0)	C2orf53 (1.9)	NAT2 (1.9)
SDC1 (2.8)	BNC2 (2.7)	LINC00208 (2.7)	LRP4 (2.0)	RFX4 (1.7)

FADS2 (3.9)	PDIA3 (3.6)	LINC00208 (3.1)	FADS1 (2.8)	TP53BP1 (2.3)
SIDT2 (2.1)	CBLC (1.9)	NFE2L3 (1.9)	CITED2 (1.5)	RASIP1 (1.5)
CYP26A1 (2.8)	SIDT2 (2.6)	ENSG00000253379 (2	SOST (2.1)	EMILIN1 (2.1)
SFN (3.0)	PACSIN3 (2.5)	ENSG00000182319 (2	SDC1 (2.2)	PTPN13 (2.2)
RSPO3 (2.3)	PTPN13 (2.3)	CCDC121 (2.3)	PVRL2 (2.2)	ENSG00000179523 (2
MTCH2 (3.0)	TOMM40 (2.8)	MRPL35 (2.8)	MFAP1 (2.6)	ARFGAP2 (2.6)
GPN1 (3.8)	POLR1A (3.5)	DHX38 (3.3)	PTCD3 (3.3)	TOMM40 (3.2)
DUSP3 (1.9)	RASIP1 (1.8)	ENSG00000236267 (1	ZDHHC18 (1.7)	TM6SF2 (1.7)
GATA4 (2.7)	BCAM (2.7)	FRMD5 (2.6)	RSPO3 (2.5)	TRIM54 (2.4)
ENSG00000179523 (2	CATSPER2 (2.1)	EPB41L3 (2.1)	PVRL2 (2.0)	C8orf12 (1.9)
LSM12 (2.0)	GALNT2 (1.9)	FRMD5 (1.9)	STRC (1.8)	MPP2 (1.7)
CHMP3 (2.6)	ENSG00000182329 (2	TRIM54 (2.4)	CMIP (2.2)	BRE (2.2)
MTCH2 (2.7)	TOMM40 (2.5)	SUMO1 (2.4)	EIF3J (2.3)	PDIA3 (2.3)
BLK (3.4)	NFE2L3 (2.9)	ZDHHC18 (2.9)	CETP (2.8)	PYY (2.7)
POLR1A (3.4)	PPM1G (3.3)	EIF3J (3.2)	PTCD3 (3.1)	GPN1 (2.9)
MAFF (2.7)	SDCBP (2.4)	FNBP4 (2.4)	CLPTM1 (2.2)	NRBP1 (2.1)
CASC4 (2.8)	STRC (2.6)	IZUMO1 (2.5)	C2orf28 (2.4)	PLTP (2.3)
DNAJC5G (2.0)	TSSK6 (1.9)	MAMSTR (1.8)	ENSG00000179523 (1	MPP3 (1.6)
SDC1 (2.9)	LRP4 (2.9)	TECTB (2.6)	FAM167A (2.6)	LPL (2.4)
GATAD2A (2.3)	COBLL1 (2.3)	ENSG00000182319 (2	IMMT (2.0)	ARHGAP1 (2.0)
ARID1A (2.6)	TP53BP1 (2.5)	HDAC5 (2.4)	ATP13A1 (2.4)	USP1 (2.2)
KHK (2.0)	ZNF513 (2.0)	ATG13 (2.0)	SLC22A1 (2.0)	UBXN2B (2.0)
C8orf49 (4.3)	FRMD5 (4.1)	PACSIN3 (3.9)	IMMT (2.1)	C11orf9 (2.1)
NEIL2 (2.6)	INTS10 (2.6)	ZNF259 (2.3)	SUGP1 (2.2)	KBTBD4 (2.2)
NEIL2 (2.6)	INTS10 (2.6)	ZNF259 (2.3)	SUGP1 (2.2)	KBTBD4 (2.2)
CGREF1 (2.5)	NAGS (2.5)	EPB41L3 (2.4)	ENSG00000182329 (2	BNC2 (1.9)
GMIP (2.4)	MAU2 (2.4)	NSMAF (2.3)	JMJD1C (2.3)	KDM3A (2.3)
NRBP1 (2.3)	PAFAH1B2 (2.3)	TUBGCP4 (2.3)	CLPTM1 (2.3)	PVRL2 (2.2)
GMIP (2.6)	HDAC5 (2.4)	EPB41L3 (2.4)	PLA2G6 (2.3)	RASIP1 (2.2)
ENSG00000254235 (2	ABO (2.2)	CSGALNACT1 (2.0)	C8orf12 (1.9)	SIDT2 (1.8)
PBX4 (2.4)	FZD9 (2.4)	APOA4 (2.3)	NR0B2 (2.3)	C1orf172 (2.1)
TXNL4B (2.6)	DHODH (2.5)	NAGS (2.5)	FGF21 (2.0)	ENSG00000226645 (1
CYP7A1 (2.6)	LRP4 (2.4)	C1QTNF4 (2.3)	APOC4 (2.3)	LINC00208 (2.3)
MTCH2 (2.8)	NDUFS3 (2.6)	SNX17 (2.1)	ZNF335 (2.1)	C2orf28 (2.1)
FNDC4 (2.1)	MAP1A (2.0)	ACP2 (2.0)	TSSK6 (1.9)	VEGFA (1.9)
PBX4 (2.2)	COBLL1 (2.1)	TDH (2.1)	PTPMT1 (1.9)	NEIL2 (1.7)
TUBGCP4 (3.0)	AGBL5 (2.8)	KBTBD4 (2.7)	MTF2 (2.7)	NRBP1 (2.5)
NSMAF (2.1)	DHX38 (2.1)	SNX17 (2.1)	IMMT (2.0)	CAD (2.0)
GMIP (2.3)	EPB41L3 (2.1)	NFE2L3 (2.1)	BCL3 (1.8)	C1QTNF4 (1.7)
DNAH10 (2.3)	TECTB (2.1)	TMEM101 (2.0)	UCN (2.0)	BCL3 (1.9)
CHMP3 (2.9)	DOCK7 (2.8)	HAVCR1 (2.7)	CITED2 (2.7)	SNX17 (2.6)
PPM1G (3.0)	PTCD3 (2.8)	DHX38 (2.7)	ZNF259 (2.7)	CAD (2.5)
CAD (2.8)	AMBRA1 (2.7)	GMIP (2.6)	GTF3C2 (2.6)	SPG11 (2.6)
CCDC18 (2.4)	CYP26A1 (2.0)	CTDSPL2 (2.0)	IFT172 (2.0)	BMPR2 (2.0)
FAM167A (2.7)	PTPN13 (2.6)	PACSIN3 (2.6)	AFF1 (2.4)	IGF2R (2.3)
TECTB (2.2)	TIMD4 (2.1)	IZUMO1 (2.1)	LINC00208 (2.0)	CETP (1.8)
TM6SF2 (2.7)	NR1H3 (2.4)	ENSG00000236267 (2	ABHD1 (2.2)	KRTCAP3 (2.2)
ATP13A1 (3.2)	PPM1G (3.2)	PTCD3 (3.1)	MRPL35 (3.0)	NDUFS3 (2.9)
EPB41L3 (2.1)	ZNF664 (2.1)	BNC2 (2.0)	RFX4 (1.6)	SDC1 (1.6)
TXNL4B (2.2)	DR1 (2.2)	CTDSPL2 (2.1)	BRE (2.1)	VEGFA (2.1)

BNC2 (2.4)	ENSG00000222035 (2	PTPN13 (2.1)	RFX4 (2.0)	NAGS (1.9)
PTCD3 (2.4)	BUD13 (2.2)	NSMAF (2.2)	NOP58 (2.1)	SUMO1 (1.9)
LRP4 (3.1)	LPAR2 (2.9)	PAFAH1B2 (2.4)	UBXN2B (2.2)	C2orf16 (2.2)
CAD (2.9)	FNBP4 (2.1)	TOMM40 (2.1)	GTF3C2 (2.0)	NUP160 (2.0)
ATG13 (3.4)	PDIA3 (3.2)	FADS2 (2.9)	GALNT2 (2.8)	C2orf28 (2.7)
IZUMO1 (2.3)	ZDHHC18 (2.1)	ENSG00000236267 (2	C2orf16 (1.9)	GMIP (1.8)
ZNF335 (2.6)	HDAC5 (2.6)	SNX17 (2.4)	NRBP1 (2.4)	BCAM (2.2)
CMIP (2.2)	ABCA1 (2.0)	PCSK7 (1.9)	PVRL2 (1.9)	ARID1A (1.8)
APOC4 (2.3)	PTPRJ (2.3)	HDAC5 (2.1)	F2 (1.9)	AGBL2 (1.9)
ATG13 (2.5)	APOE (2.4)	ENSG00000255020 (2	ABCA1 (2.3)	TECTB (2.3)
LRP4 (2.5)	RSPO3 (2.2)	PVRL2 (2.2)	BCAM (2.1)	C11orf49 (2.0)
DPYSL5 (2.6)	UBXN2B (2.4)	ENSG00000253379 (2	TECTB (2.2)	CHMP3 (1.8)
ATG4C (1.9)	TMED5 (1.8)	ABCA1 (1.8)	HARBI1 (1.8)	ABHD1 (1.7)
PACSIN3 (2.9)	ENSG00000182319 (2	TAGLN (2.7)	RASIP1 (2.6)	DOCK6 (2.4)
ENSG00000236267 (2	GMIP (2.1)	SPG11 (2.0)	AFF1 (1.8)	CCDC92 (1.7)
MAMSTR (2.2)	TRIB1 (2.1)	EMILIN1 (2.1)	FGF21 (2.0)	JMJD1C (2.0)
RSPO3 (2.8)	PTPN13 (2.5)	CILP2 (2.3)	SDC1 (2.3)	EPB41L3 (2.3)
MTF2 (2.5)	ENSG00000223745 (2	EIF2B4 (2.1)	GTF3C2 (2.1)	DR1 (1.9)
CELF1 (2.1)	AMBRA1 (2.0)	GATAD2A (1.9)	RIC8B (1.9)	TRNP1 (1.8)
ZNF259 (3.7)	NOP58 (3.6)	DHODH (3.4)	PTCD3 (3.3)	NUP160 (3.2)
PPM1G (3.3)	PTCD3 (3.2)	ATP13A1 (3.1)	NDUFS3 (2.9)	MRPL35 (2.9)
EMILIN1 (2.8)	LRP4 (2.8)	IGF2R (2.7)	FAM167A (2.7)	BNC2 (2.5)
SFN (3.6)	ARHGAP1 (2.8)	SDC1 (2.5)	TAGLN (2.5)	REEP1 (2.4)
PVRL2 (3.0)	CCDC92 (2.7)	LINC00208 (2.7)	FAM167A (2.5)	TAGLN (2.4)
EIF3J (3.0)	ARFGAP2 (2.8)	LSM12 (2.7)	ATG13 (2.6)	EIF2B4 (2.4)
NR1H3 (2.3)	REEP3 (2.2)	NRBP1 (2.1)	MAPK10 (2.0)	C1QTNF4 (2.0)
MRPL33 (2.3)	UCN (2.2)	BAZ1B (2.2)	CHMP3 (1.9)	TUBGCP4 (1.8)
KDM3A (2.4)	FNBP4 (2.2)	ZNF664 (2.1)	SPG11 (2.1)	CKAP5 (2.0)
G6PC3 (3.8)	FADS2 (3.8)	FDFT1 (3.8)	SIDT2 (3.5)	REEP3 (3.5)
ENSG00000223745 (2	FUT2 (2.2)	MAPK10 (2.0)	HAPLN4 (2.0)	ENSG00000257711 (1
ENSG00000236267 (2	FUT2 (2.4)	SFN (2.1)	STRC (2.1)	CBLC (2.0)
NFE2L3 (2.9)	EIF3J (2.7)	IMMT (2.7)	NDUFS3 (2.5)	ARFGAP2 (2.4)
BCAM (2.6)	CSGALNACT1 (2.5)	TRIB1 (2.4)	AFF1 (2.4)	C11orf9 (2.4)
ACP2 (2.1)	UCN (2.1)	KLF14 (2.0)	MPV17 (1.8)	BCL3 (1.8)
BNC2 (2.2)	ENSG00000253379 (2	ENSG00000256746 (2	ENSG00000254235 (2	LRP4 (1.9)
RIC8B (1.4)	AFF1 (1.3)	C11orf9 (1.3)	BUD13 (1.3)	GCKR (1.3)
PLTP (2.5)	FRMD5 (2.4)	APOE (2.3)	C11orf9 (2.3)	SLC5A6 (2.2)
AGBL2 (2.2)	KRTCAP3 (1.8)	MRPL33 (1.6)	CASC4 (1.6)	FNDC4 (1.6)
ZNF408 (2.4)	DUSP3 (2.3)	CBLC (2.2)	PACSIN3 (2.2)	CMIP (2.2)
IZUMO1 (1.8)	EPB41L3 (1.7)	LPL (1.7)	ENSG00000222035 (1	MLXIPL (1.6)
PPM1G (3.3)	EIF3J (3.1)	PTCD3 (3.0)	MTCH2 (3.0)	PDIA3 (2.9)
PTPN13 (2.8)	FAM167A (2.6)	PACSIN3 (2.5)	LPAR2 (2.4)	IGF2R (2.4)
USP1 (2.7)	PAFAH1B2 (2.6)	BUD13 (2.6)	SUMO1 (2.6)	MTF2 (2.1)
PCSK7 (2.2)	SIK3 (2.2)	PTPRJ (2.1)	CETP (2.0)	APOB (1.8)
SUGP1 (2.7)	ZNF259 (2.6)	NOP58 (2.6)	GPN1 (2.0)	AMBRA1 (2.0)
TMED5 (3.6)	ATP13A1 (3.5)	CLPTM1 (3.3)	TBL2 (3.1)	G6PC3 (3.1)
C11orf49 (2.3)	KANK2 (2.3)	PVRL2 (2.3)	CYP26A1 (2.1)	EMILIN1 (2.0)
HDAC5 (2.5)	MTMR9 (2.5)	CMIP (2.4)	EMILIN1 (2.3)	RASIP1 (2.3)
IFT172 (2.1)	DPYSL5 (2.1)	KRTCAP3 (1.8)	CCDC18 (1.8)	DOCK7 (1.7)
TXNL4B (2.5)	INTS10 (2.4)	TOMM40 (2.3)	DHX38 (2.3)	BUD13 (2.1)

SFN (2.4)	PTPRJ (2.4)	KLF14 (2.2)	TAGLN (2.1)	LSM12 (2.0)
TBL2 (2.8)	BRE (2.4)	C2orf53 (2.4)	ENSG00000200241 (2	TECTB (2.0)
ENSG00000200241 (2	MTF2 (2.7)	CELF1 (2.7)	DR1 (2.5)	ENSG00000223745 (2
MAPK10 (2.3)	C11orf9 (2.0)	RIC8B (2.0)	ATG13 (1.8)	LPA (1.8)
PLA2G6 (2.5)	ENSG00000255020 (2	MLXIPL (2.2)	GPAM (2.1)	DNAH10 (2.0)
ENSG00000182319 (2	DPYSL5 (2.3)	CCDC121 (2.3)	DNAH10 (2.2)	RFX4 (1.9)
PIGV (3.4)	C2orf28 (3.1)	ATG4C (3.1)	MPV17 (2.9)	BRE (2.9)
PIGV (2.3)	C2orf28 (2.3)	RBKS (2.2)	CD300LG (2.1)	SLC5A6 (1.7)
SOST (2.5)	RSPO3 (2.2)	RFX4 (2.2)	ENSG00000254235 (2	DPYSL5 (2.1)
GTF3C2 (3.1)	DHX38 (3.1)	SUGP1 (3.0)	GPN2 (3.0)	DR1 (2.8)
FADS1 (2.4)	GCKR (2.4)	CGREF1 (2.4)	TM6SF2 (2.3)	GATA4 (2.3)
CD300LG (2.6)	RASIP1 (2.4)	MRPL33 (2.3)	MTCH2 (2.3)	ENSG00000182319 (2
ZNF408 (2.4)	AGBL5 (2.4)	HARBI1 (2.4)	GTF3C2 (2.1)	AFF1 (2.1)
CATSPER2 (2.9)	PPIP5K1 (2.6)	MAP1A (2.4)	CLPTM1 (2.4)	SDCBP (2.3)
C11orf9 (2.5)	NFE2L3 (2.4)	CYP26A1 (2.4)	PTPN13 (2.3)	RSPO3 (2.2)
C11orf9 (2.5)	NFE2L3 (2.4)	CYP26A1 (2.4)	PTPN13 (2.3)	RSPO3 (2.2)
ENSG00000235545 (2	NUP160 (2.1)	BCL7B (2.0)	INTS10 (1.9)	SNX17 (1.9)
C1QTNF4 (1.8)	APOC1 (1.8)	FNDC4 (1.8)	TIMD4 (1.7)	ATG4C (1.7)
C1QTNF4 (2.5)	MADD (2.4)	LPA (2.4)	PYY (2.3)	MPP2 (2.2)
PLA2G6 (2.2)	PBX4 (2.2)	CMIP (2.2)	ZDHHC18 (2.1)	LPAR2 (2.0)
MAP1A (2.4)	ENSG00000235545 (2	NRBP1 (2.2)	DUSP3 (2.2)	SNX17 (2.1)
VEGFA (2.4)	SLC22A1 (2.2)	SOST (2.1)	CCDC92 (2.1)	KANK2 (2.0)
BAZ1B (2.7)	GATAD2A (2.6)	TRIB1 (2.6)	CMIP (2.5)	USP1 (2.2)
FRMD5 (2.7)	GATAD2A (2.6)	CASC4 (2.5)	HDAC5 (2.3)	FDFT1 (2.3)
PTCD3 (3.2)	TOMM40 (2.7)	SLC5A6 (2.7)	ENSG00000182329 (2	NEIL2 (2.2)
POLR1A (2.7)	ARFGAP2 (2.6)	SIK3 (2.5)	INTS10 (2.5)	KBTBD4 (2.4)
ENSG00000182319 (2	RASIP1 (2.5)	PACSIN3 (2.4)	DOCK6 (2.3)	DUSP3 (2.2)
C1QTNF4 (2.5)	DPYSL5 (2.3)	SUPT7L (2.1)	MAP1A (2.1)	CYP7A1 (2.0)
GMIP (2.7)	NFE2L3 (2.3)	ZDHHC18 (2.3)	KRTCAP3 (2.3)	ACP2 (2.2)
TMEM101 (2.5)	FUT2 (2.5)	EMILIN1 (2.4)	PDIA3 (2.4)	ZNF513 (2.3)
PCIF1 (2.5)	KDM3A (2.3)	CTDSPL2 (2.3)	HDAC5 (2.2)	CITED2 (2.0)
LPAL2 (2.1)	LPA (2.1)	TDH (2.0)	ENSG00000235545 (2	ABO (2.0)
INTS10 (3.1)	GPN1 (2.9)	PCIF1 (2.9)	NOP58 (2.8)	BUD13 (2.8)
KBTBD4 (2.6)	SDCBP (2.5)	ARFGAP2 (2.3)	C11orf49 (2.2)	MFAP1 (2.1)
NFE2L3 (2.7)	SDCBP (2.5)	CCDC92 (2.4)	REEP1 (2.4)	ARHGAP1 (2.4)
PREB (3.9)	CGREF1 (3.4)	ARHGAP1 (3.1)	HARBI1 (2.9)	CKAP5 (2.5)
FAM167A (2.6)	PTPN13 (2.5)	LPAR2 (2.5)	AFF1 (2.4)	PACSIN3 (2.3)
ATG13 (3.4)	GALNT2 (2.9)	CGREF1 (2.7)	PDIA3 (2.7)	CSGALNACT1 (2.6)
MTCH2 (3.0)	CAD (2.9)	PAFAH1B2 (2.9)	CKAP5 (2.9)	C11orf49 (2.8)
FRMD5 (3.5)	LPL (3.4)	TAGLN (2.6)	ARHGAP1 (2.3)	MLXIPL (2.3)
EIF2B4 (3.5)	ZNF259 (3.3)	PTCD3 (3.3)	POLR1A (3.0)	EIF3J (2.8)
CYP26A1 (2.5)	CCDC121 (2.2)	KRTCAP3 (2.1)	ENSG00000255020 (1	SDC1 (1.9)
BCAM (2.3)	HAVCR1 (1.9)	CCDC121 (1.7)	SIDT2 (1.7)	PIGV (1.6)
LRP4 (2.9)	FUT2 (2.5)	RFX4 (2.4)	HAPLN4 (2.3)	APOE (2.3)
ARHGAP1 (2.3)	TAGLN (2.3)	SLC22A3 (2.3)	AGBL2 (2.3)	SNX17 (2.0)
GPN1 (3.2)	TOMM40 (3.1)	PTCD3 (3.0)	EIF2B4 (2.8)	EIF3J (2.7)
SUGP1 (2.6)	ENSG00000200241 (2	MPV17 (2.3)	HAPLN4 (2.2)	IMMT (2.2)
CHMP3 (2.5)	KANK2 (2.3)	IFT172 (2.3)	COBLL1 (2.3)	OST4 (2.3)
ARHGAP1 (2.6)	KANK2 (2.4)	SLC22A3 (2.3)	EMILIN1 (2.2)	FADS2 (2.0)
SDC1 (2.9)	EPB41L3 (2.4)	C1orf172 (2.2)	TAGLN (2.1)	TMEM101 (1.9)

SFN (2.6)	CCDC121 (2.6)	LRP4 (2.5)	ENSG00000223522 (2	LPAR2 (2.3)
MAPRE3 (2.4)	HAPLN4 (2.3)	SPG11 (2.2)	NCAN (2.1)	PTPRJ (2.0)
ENSG00000182319 (2	RASIP1 (2.6)	SFN (2.6)	BNC2 (2.2)	KANK2 (2.1)
TM6SF2 (1.9)	JMJD1C (1.8)	CCDC121 (1.8)	TDH (1.8)	GATA4 (1.8)
CITED2 (2.7)	BRE (2.5)	PCIF1 (2.5)	CTDSPL2 (2.5)	AMBRA1 (2.4)
ACP2 (2.1)	NSMAF (2.0)	PGS1 (1.8)	NFE2L3 (1.5)	NR1H3 (1.5)
ZDHHC18 (2.4)	ACP2 (2.3)	NR1H3 (2.1)	EPB41L3 (1.9)	CTSB (1.8)
DHX38 (2.8)	KDM3A (2.7)	BAZ1B (2.7)	BMPR2 (2.7)	REEP3 (2.5)
FADS2 (2.2)	BUD13 (2.1)	MTMR9 (2.0)	UBXN2B (1.9)	TXNL4B (1.9)
PPY (2.5)	ENSG00000223522 (2	TDH (2.3)	UBXN2B (2.3)	REEP3 (2.1)
STRC (2.6)	PACSIN3 (2.5)	RASIP1 (2.4)	MAMSTR (2.3)	MPP3 (2.3)
NSMAF (1.8)	SUMO1 (1.8)	FNDC4 (1.6)	SUPT7L (1.5)	SUGP1 (1.5)
GCKR (2.4)	KHK (2.4)	ANGPTL3 (2.2)	LPA (2.2)	C11orf9 (2.1)
CTDSPL2 (2.7)	ARID1A (2.4)	BCL7B (2.4)	CITED2 (2.2)	DR1 (2.1)
ENSG00000257711 (2	RIC8B (1.9)	DOCK7 (1.8)	TOMM40 (1.7)	PTPRJ (1.7)
ENSG00000256731 (2	PMFBP1 (2.1)	C8orf12 (2.1)	MAPK10 (2.0)	KLF14 (1.9)
PLTP (2.7)	MAFF (2.5)	RFX4 (2.4)	ENSG00000253379 (2	SIDT2 (2.1)
C2orf16 (2.3)	ENSG00000222035 (2	CMIP (2.1)	MADD (2.0)	HDAC5 (2.0)
INTS10 (2.5)	CTDSPL2 (2.4)	BUD13 (2.4)	KDM3A (2.4)	NRBP1 (2.2)
LPAL2 (2.6)	CYP7A1 (2.4)	LPA (2.3)	SLC22A1 (2.2)	HGFAC (2.1)
LPAL2 (2.6)	CYP7A1 (2.4)	LPA (2.3)	SLC22A1 (2.2)	HGFAC (2.1)
PBX4 (2.6)	RFX4 (2.6)	RSPO3 (2.5)	FRMD5 (2.0)	NFE2L3 (1.7)
NEIL2 (2.3)	NR0B2 (1.9)	ENSG00000235545 (1	GPAM (1.8)	MADD (1.7)
FEN1 (2.3)	ARID1A (2.3)	NRBP1 (2.2)	PPM1G (2.1)	SDCBP (2.1)
RASIP1 (2.7)	ENSG00000182319 (2	DOCK6 (2.7)	BAZ1B (2.3)	REEP3 (2.3)
MLXIPL (2.5)	NRBP1 (2.4)	C19orf80 (2.2)	GPAM (2.1)	PYY (2.1)
MLXIPL (2.5)	NRBP1 (2.4)	C19orf80 (2.2)	GPAM (2.1)	PYY (2.1)
TMED5 (2.0)	PDIA3 (1.9)	DDB2 (1.9)	CATSPER2 (1.8)	TMEM214 (1.8)
ACP2 (2.5)	CLPTM1 (2.5)	ENSG00000254235 (2	CASC4 (2.4)	REEP3 (2.3)
BAZ1B (2.4)	JMJD1C (2.2)	TUBGCP4 (2.2)	AFF1 (2.2)	SOST (2.1)
DDB2 (3.6)	NUP160 (3.5)	CTDSPL2 (2.9)	CAD (2.7)	MAFF (2.2)
SUGP1 (2.4)	DHODH (2.3)	FNBP4 (2.2)	POLR1A (2.1)	GPN1 (2.1)
CAD (3.2)	PTCD3 (3.0)	EIF3J (2.9)	DHODH (2.8)	DHX38 (2.6)
TSSK6 (2.9)	RSPO3 (2.8)	FGF21 (2.7)	MAFF (2.5)	ABO (2.3)
RFX4 (2.2)	NR1H3 (2.0)	FZD9 (1.9)	ENSG00000222035 (1	MPP2 (1.7)
EIF2B4 (2.8)	SUGP1 (2.6)	MAPRE3 (2.6)	AMBRA1 (2.5)	GPN2 (2.5)
ENSG00000223522 (2	CAD (2.5)	ENSG00000179523 (2	ATG13 (2.4)	MTF2 (2.3)
HARBI1 (2.4)	ZNF408 (2.3)	ARID1A (2.3)	SUGP1 (2.3)	GTF3C2 (2.2)
MPP2 (2.5)	MAPK10 (2.4)	ENSG00000255020 (2	MAP1A (2.3)	DPYSL5 (2.1)
PCSK7 (2.1)	ENSG00000256746 (1	NFE2L3 (1.8)	CETP (1.7)	PBX4 (1.7)
C1orf172 (3.5)	DOCK6 (3.1)	KANK2 (2.8)	PLTP (2.7)	FUT1 (2.4)
ATP13A1 (3.2)	IMMT (3.1)	MRPL35 (3.1)	PPIP5K1 (2.8)	SNX17 (2.7)
SUGP1 (2.7)	CAD (2.4)	GATAD2A (2.3)	DHODH (2.3)	IMMT (2.2)
NOP58 (2.9)	POLR1A (2.9)	DHODH (2.8)	ATP13A1 (2.7)	TOMM40 (2.7)
SUMO1 (2.5)	ENSG00000257711 (2	TXNL4B (2.4)	MAU2 (2.2)	ENSG00000179523 (2
EIF3J (3.4)	TOMM40 (3.4)	ATP13A1 (3.4)	TBL2 (3.1)	ZNF259 (3.1)
C11orf9 (2.7)	CYP26A1 (2.3)	C8orf49 (2.1)	ENSG00000255020 (2	CCDC92 (1.5)
ZNF513 (2.5)	SNX17 (2.4)	TUBGCP4 (2.3)	LPAL2 (2.0)	BCL7B (1.9)
ENSG00000182319 (2	ARID1A (2.0)	REEP1 (2.0)	DUSP3 (1.9)	BMPR2 (1.9)
BCL7B (2.6)	DR1 (2.4)	GPN2 (2.3)	BMPR2 (2.2)	KDM3A (2.1)

LSM12 (2.6)	PCIF1 (2.5)	CELF1 (2.5)	SUGP1 (2.3)	AMBRA1 (2.3)
LINC00208 (1.9)	MPP3 (1.9)	PYY (1.8)	PPY (1.8)	PMFBP1 (1.7)
PTPN13 (2.8)	ARID1A (2.8)	FRMD5 (2.6)	GATA4 (2.6)	DNAH10 (2.1)
GATA4 (4.4)	BCAM (3.4)	PACSIN3 (3.3)	RASIP1 (2.9)	CYP26A1 (2.6)
ABO (2.2)	NCAN (2.1)	PMFBP1 (2.1)	MPP2 (2.1)	UCN (1.9)
BCAM (2.6)	FUT2 (2.4)	APOC3 (2.2)	C1orf172 (2.1)	NAGS (1.9)
CLPTM1 (2.2)	OST4 (2.2)	ZNF259 (2.2)	GPN1 (2.1)	ENSG00000253379 (2
MAFF (2.1)	KRTCAP3 (2.1)	BUD13 (2.0)	TMED5 (2.0)	PPIP5K1 (2.0)
PBX4 (2.2)	IZUMO1 (2.1)	C17orf105 (2.0)	FEN1 (1.9)	ENSG00000257711 (1
UCN (2.2)	COBLL1 (1.9)	C2orf16 (1.9)	PCSK7 (1.8)	ENSG00000182319 (1
PVRL2 (2.6)	RASIP1 (2.4)	C11orf9 (2.3)	CD300LG (2.2)	DUSP3 (2.1)
MLXIPL (2.3)	IMMT (2.2)	NRBF2 (2.1)	BRE (2.1)	LPAL2 (1.9)
NRBP1 (2.8)	HDAC5 (2.5)	CLPTM1 (2.4)	ZNF512 (2.4)	GTF3C2 (2.3)
CITED2 (1.9)	IMMT (1.7)	EPB41L3 (1.7)	NSMAF (1.7)	CHMP3 (1.7)
RSPO3 (2.8)	DOCK6 (2.7)	FRMD5 (2.5)	EMILIN1 (2.4)	CETP (2.3)
CILP2 (3.1)	CITED2 (2.9)	BCAM (2.5)	NR0B2 (2.3)	PVRL2 (2.2)
KBTBD4 (3.1)	BAZ1B (3.1)	TP53BP1 (2.8)	MFAP1 (2.7)	SUMO1 (2.6)
REEP3 (2.9)	CMIP (2.9)	MTMR9 (2.3)	PTPN13 (2.1)	KRTCAP3 (1.9)
C8orf12 (2.0)	REEP1 (2.0)	C2orf16 (1.9)	TDH (1.9)	MPP2 (1.8)
SUPT7L (2.5)	CHMP3 (2.0)	SDCBP (2.0)	SNX17 (2.0)	PDIA3 (1.9)
BNC2 (2.6)	ENSG00000236827 (2	TRNP1 (2.4)	SDC1 (2.4)	FDFT1 (2.4)
PTCD3 (3.1)	OST4 (2.7)	ATP13A1 (2.6)	GPN1 (2.6)	EIF3J (2.5)
PBX4 (2.3)	NFE2L3 (2.0)	PCSK7 (2.0)	CETP (1.8)	IZUMO1 (1.8)
HAVCR1 (2.0)	REEP1 (2.0)	ENSG00000257711 (2	ENSG00000200241 (1	SLC22A3 (1.7)
DNAH10 (2.1)	ENSG00000253379 (2	KANK2 (1.9)	C11orf9 (1.9)	SOST (1.8)
USP1 (4.4)	BAZ1B (3.8)	NUP160 (3.3)	MTF2 (2.4)	CAD (2.4)
OST4 (2.1)	NEIL2 (1.8)	TMED5 (1.8)	PTPMT1 (1.6)	VEGFA (1.5)
NFE2L3 (2.0)	GMIP (1.9)	EPB41L3 (1.8)	BCL3 (1.8)	ENSG00000257711 (1
NOP58 (3.5)	ZNF259 (3.1)	DHODH (3.0)	GPN1 (3.0)	GPN2 (2.9)
FRMD5 (2.1)	WDR76 (2.0)	AGBL5 (1.9)	C17orf105 (1.8)	DNAJC5G (1.8)
PREB (2.1)	NDUFS3 (2.1)	MRPL35 (2.0)	FDFT1 (2.0)	GPAM (1.9)
CCDC121 (2.2)	FAM167A (2.2)	ENSG00000254235 (2	ENSG00000234945 (1	AGBL5 (1.7)
HP (2.7)	DR1 (2.4)	GPAM (2.2)	SLC5A6 (2.1)	SIDT2 (2.1)
MAP1A (2.3)	ENSG00000182329 (2	GALNT2 (2.0)	NCAN (2.0)	FDFT1 (1.9)
GATAD2A (2.6)	PTCD3 (2.5)	PDIA3 (2.5)	PPM1G (2.4)	SNX17 (2.3)
PTPN13 (3.1)	SDC1 (2.6)	PLTP (2.4)	KANK2 (2.1)	RFX4 (2.0)
BCAM (2.5)	EMILIN1 (2.4)	TAGLN (2.1)	FAM167A (2.0)	CASC4 (1.8)
PVRL2 (2.3)	FADS2 (2.2)	FADS1 (2.2)	APOC4 (2.0)	VEGFA (1.9)
ENSG00000223745 (2	ABO (2.1)	MAPK10 (2.0)	FUT2 (2.0)	HAPLN4 (1.9)
SIK3 (2.6)	DUSP3 (2.5)	SPG11 (2.4)	ZNF335 (2.3)	NRBP1 (2.3)
MRPL33 (2.4)	POLR1A (2.1)	DOCK7 (2.0)	PTCD3 (2.0)	TP53BP1 (2.0)
ENSG00000257711 (2	MAPK10 (2.2)	HAPLN4 (2.2)	ABO (2.1)	TECTB (2.0)
NFE2L3 (2.2)	MAPRE3 (2.1)	CMIP (2.1)	BRE (2.0)	ENSG00000226645 (2
CITED2 (2.6)	APOA1 (2.2)	COBLL1 (2.2)	C19orf80 (2.0)	ABO (2.0)
HAPLN4 (2.3)	NEIL2 (2.3)	SDCBP (2.2)	FDFT1 (2.1)	MAPK10 (2.1)
LSM12 (2.9)	EIF2B4 (2.9)	KBTBD4 (2.6)	MTCH2 (2.5)	PREB (2.5)
CKAP5 (2.3)	PPM1G (2.2)	ARID1A (2.1)	SDCBP (2.0)	NRBP1 (2.0)
POLR1A (2.1)	NSMAF (2.0)	EIF3J (1.9)	TMED5 (1.9)	IMMT (1.9)
ENSG00000222035 (1	ABO (1.5)	C8orf12 (1.5)	TRNP1 (1.4)	C1QTNF4 (1.3)
AMBRA1 (2.8)	MAPRE3 (2.6)	CCDC92 (2.6)	CLPTM1 (2.5)	MPP2 (2.4)

REEP3 (2.4)	ENSG00000223522 (2	FADS1 (2.3)	ZNF664 (2.3)	RASIP1 (2.2)
MTMR9 (2.5)	SNX17 (2.1)	BMPR2 (2.1)	PTPN13 (2.0)	TUBGCP4 (2.0)
TRNP1 (2.8)	BAZ1B (2.6)	PPM1G (2.6)	KANK2 (2.4)	PTPRJ (2.2)
ZDHHC18 (2.5)	TIMD4 (2.4)	IZUMO1 (2.1)	PCSK7 (2.0)	EPB41L3 (1.8)
GATAD2A (2.3)	MAPRE3 (2.2)	ZNF664 (2.1)	PPM1G (2.1)	APOB (2.0)
LSM12 (3.2)	BAZ1B (3.1)	IFT172 (2.2)	ZNF335 (2.1)	DHX38 (2.1)
TRIB1 (2.5)	C2orf53 (2.3)	CITED2 (2.1)	ENSG00000255020 (2	NRBF2 (2.0)
ENSG00000256746 (2	RASIP1 (2.2)	ARID1A (2.2)	ENSG00000182319 (2	PTPRJ (2.1)
ENSG00000256746 (2	RASIP1 (2.2)	ARID1A (2.2)	ENSG00000182319 (2	PTPRJ (2.1)
TXNL4B (2.4)	KDM3A (2.3)	ENSG00000253379 (2	CTDSPL2 (2.2)	GPAM (2.2)
BCAM (2.4)	ENSG00000234945 (2	KLF14 (2.1)	ENSG00000179523 (1	LRP4 (1.8)
EPB41L3 (2.3)	MLXIPL (2.3)	ENSG00000255020 (2	LRP4 (1.9)	SIK3 (1.8)
NOP58 (2.8)	PPM1G (2.7)	GATAD2A (2.4)	ARID1A (2.4)	INTS10 (2.4)
APOE (2.2)	RFX4 (2.2)	LRP4 (2.0)	ABCA1 (2.0)	CD300LG (1.9)
RSPO3 (2.6)	PLTP (2.5)	BRE (2.3)	RASIP1 (1.9)	PTPN13 (1.7)
GMIP (3.0)	NFE2L3 (2.6)	PGS1 (2.1)	HAVCR1 (2.1)	ZNF513 (1.8)
CCDC18 (2.2)	SDCBP (2.2)	UBXN2B (2.2)	NAGS (2.1)	CITED2 (2.1)
TIMD4 (2.2)	C2orf16 (2.2)	PCSK7 (2.0)	ATP13A1 (1.9)	CETP (1.9)
GTF3C2 (2.8)	SUPT7L (2.7)	DHX38 (2.6)	TXNL4B (2.4)	KBTBD4 (2.3)
NSMAF (2.5)	FNBP4 (2.3)	PBX4 (2.2)	ZDHHC18 (2.2)	SIK3 (2.0)
BAZ1B (1.9)	FEN1 (1.9)	PPM1G (1.9)	G6PC3 (1.8)	FUT1 (1.8)
MAPK10 (2.5)	REEP3 (2.4)	ZNF259 (2.3)	MADD (2.3)	PAFAH1B2 (2.3)
CATSPER2 (2.2)	GMIP (2.1)	C2orf16 (2.1)	ATG4C (2.0)	ZNF513 (2.0)
MAPRE3 (2.9)	MPP3 (2.5)	MAP1A (2.2)	APOE (2.2)	CETP (2.2)
ENSG00000257711 (2	ENSG00000182319 (2	CYP26A1 (2.0)	ABO (1.9)	HDAC5 (1.8)
KDM3A (2.9)	GTF3C2 (2.8)	PCIF1 (2.8)	NUP160 (2.8)	TUBGCP4 (2.7)
PTCD3 (2.4)	NDUFS3 (2.3)	VEGFA (2.3)	MYBPC3 (2.2)	MRPL35 (2.1)
ZNF513 (2.5)	CHMP3 (2.0)	DR1 (1.9)	ZDHHC18 (1.9)	PCSK7 (1.8)
TMEM175 (3.0)	SIDT2 (2.8)	SLC5A6 (2.8)	GALNT2 (2.6)	FADS2 (2.5)
HAVCR1 (3.1)	CCDC121 (2.5)	COBLL1 (2.0)	CASC4 (2.0)	BNC2 (2.0)
SIK3 (2.4)	PCIF1 (2.3)	BAZ1B (2.3)	CCDC92 (2.2)	C11orf49 (2.2)
ENSG00000226645 (1	PPY (1.7)	SDC1 (1.7)	C11orf9 (1.6)	TMEM101 (1.6)
ATG4C (2.4)	SDCBP (2.3)	MTMR9 (2.2)	NRBF2 (2.2)	CCDC92 (2.1)
POLR1A (2.9)	NUP160 (2.5)	FEN1 (2.5)	USP1 (2.4)	KBTBD4 (2.4)
MAPRE3 (2.7)	COBLL1 (2.6)	MPP2 (2.4)	CBLC (2.4)	FDFT1 (2.1)
CYP26A1 (2.7)	LRP4 (2.6)	EPB41L3 (2.6)	AGBL5 (2.3)	SPG11 (1.8)
C11orf9 (2.6)	CBLC (2.6)	RSPO3 (2.5)	PTPN13 (2.4)	BNC2 (2.3)
NR1H3 (2.3)	ZDHHC18 (2.2)	APOA4 (1.9)	BCL3 (1.6)	AGBL2 (1.6)
PDIA3 (2.3)	SNX17 (2.2)	IMMT (2.2)	PTCD3 (2.2)	GATA4 (2.1)
EMILIN1 (2.2)	HDAC5 (2.2)	KRTCAP3 (2.1)	NR1H3 (2.1)	CCDC121 (2.0)
NCAN (2.2)	JMJD1C (2.2)	DPYSL5 (2.2)	REEP3 (2.1)	RFX4 (2.0)
DNAH10 (2.0)	PMFBP1 (1.8)	CSGALNACT1 (1.8)	CETP (1.8)	PAFAH1B2 (1.7)
MRPL35 (2.4)	PPIP5K1 (2.4)	TOMM40 (2.3)	IMMT (2.3)	ENSG00000235545 (2
NRBF2 (2.7)	PAFAH1B2 (2.6)	PGS1 (2.5)	GATAD2A (2.5)	RASIP1 (2.2)
PCSK7 (2.7)	JMJD1C (2.4)	PTPRJ (2.2)	FUT1 (2.1)	MADD (2.1)
TDH (2.4)	ENSG00000235545 (2	ENSG00000234945 (2	TM6SF2 (2.2)	ENSG00000236267 (2
C1orf172 (2.8)	FUT2 (1.8)	C2orf53 (1.8)	C8orf12 (1.7)	NFE2L3 (1.7)
SLC5A6 (2.7)	APOC4 (2.7)	CGREF1 (2.3)	ENSG00000182329 (2	ABHD1 (2.1)
MYBPC3 (2.4)	GATA4 (2.4)	SLC30A3 (2.3)	C8orf49 (2.3)	DNAH10 (2.2)
CITED2 (2.2)	NRBF2 (2.0)	C8orf49 (2.0)	C17orf105 (2.0)	DUSP3 (1.9)

ZNF512 (2.7)	TMEM214 (2.6)	MPV17 (2.6)	TMEM175 (2.5)	ARHGAP1 (2.3)
BNC2 (2.3)	C11orf9 (2.3)	FZD9 (1.9)	TBL2 (1.8)	LRP4 (1.8)
BRE (2.9)	ARHGAP1 (2.9)	ARFGAP2 (2.8)	ATG13 (2.5)	MADD (2.5)
PYY (1.9)	PCIF1 (1.9)	PPY (1.7)	BCL7B (1.7)	PACSIN3 (1.7)
FRMD5 (1.5)	PAFAH1B2 (1.4)	MRPL33 (1.4)	TOMM40 (1.4)	ZNF664 (1.3)
MAPK10 (2.1)	PMFBP1 (2.1)	DNAH10 (1.9)	RFX4 (1.9)	C1QTNF4 (1.8)
BCL7B (2.7)	NFE2L3 (2.4)	ENSG00000256731 (2	PAFAH1B2 (2.1)	TECTB (2.0)
MRPL35 (3.3)	PTCD3 (3.0)	PPIP5K1 (2.3)	PTPMT1 (2.1)	SNX17 (1.9)
UBXN2B (2.4)	COBLL1 (2.3)	ZNF513 (2.3)	JMJD1C (2.2)	C8orf49 (2.1)
CELF1 (2.9)	FEN1 (2.7)	NUP160 (2.7)	BAZ1B (2.7)	TP53BP1 (2.6)
JMJD1C (2.0)	ZNF513 (1.9)	ENSG00000256746 (1	NAT2 (1.5)	LIPC (1.5)
GTF3C2 (3.2)	SUMO1 (3.1)	INTS10 (2.9)	MAU2 (2.9)	MFAP1 (2.9)
GALNT2 (2.3)	HGFAC (2.3)	TMEM214 (2.1)	C17orf105 (2.1)	REEP3 (2.0)
PACSIN3 (2.0)	C17orf105 (1.9)	ENSG00000179523 (1	ZNF335 (1.9)	ENSG00000222035 (1
PACSIN3 (2.0)	C17orf105 (1.9)	ENSG00000179523 (1	ZNF335 (1.9)	ENSG00000222035 (1
MAP1A (2.6)	TRNP1 (2.5)	MAPK10 (2.5)	KLF14 (2.1)	MAPRE3 (2.1)
SLC30A3 (2.1)	ENSG00000179523 (2	MAFF (2.0)	ARHGAP1 (1.9)	SDCBP (1.9)
NFE2L3 (2.4)	C1orf172 (2.3)	C11orf9 (2.3)	PACSIN3 (2.3)	KRTCAP3 (2.2)
PAFAH1B2 (2.1)	LPAR2 (2.0)	TRIB1 (2.0)	KDM3A (2.0)	ZDHHC18 (1.9)
ATG4C (2.6)	NRBP1 (2.5)	SIDT2 (2.2)	ARHGAP1 (2.2)	PAFAH1B2 (2.2)
PTPN13 (2.7)	FAM167A (2.6)	LPAR2 (2.5)	PACSIN3 (2.5)	SPG11 (2.3)
IZUMO1 (2.6)	ENSG00000226645 (2	SIK3 (2.0)	TIMD4 (1.9)	ENSG00000235545 (1
PTCD3 (2.9)	CKAP5 (2.7)	POLR1A (2.7)	MRPL35 (2.6)	NUP160 (2.5)
OST4 (2.3)	MADD (2.3)	G6PC3 (2.2)	PLTP (2.1)	PTPRJ (1.9)
FGF21 (3.2)	CITED2 (2.9)	ATG13 (2.9)	TMEM214 (2.6)	TMED5 (2.5)
CYP26A1 (2.5)	ABO (2.5)	FUT2 (2.4)	CILP2 (2.3)	CGREF1 (2.3)
MAP1A (2.4)	GATAD2A (2.3)	EPB41L3 (2.1)	CCDC92 (2.0)	AFF1 (1.6)
ZNF335 (2.4)	TXNL4B (2.4)	MRPL33 (2.4)	MFAP1 (2.3)	DHX38 (2.2)
ZNF259 (2.3)	CTDSPL2 (2.3)	GPN2 (2.2)	ARHGAP1 (2.2)	DDB2 (2.2)
PTPRJ (1.8)	CETP (1.8)	NRBF2 (1.7)	SIDT2 (1.5)	COBLL1 (1.5)
BNC2 (1.9)	BRE (1.5)	PMFBP1 (1.4)	CTSB (1.4)	MPV17 (1.4)
POLR1A (3.1)	PTCD3 (3.0)	TOMM40 (3.0)	GATAD2A (2.5)	GPN1 (2.3)
PLTP (2.7)	SOST (2.6)	BNC2 (2.3)	ACP2 (2.2)	SDC1 (2.2)
PPM1G (2.7)	KDM3A (2.5)	CHMP3 (2.5)	IMMT (2.4)	BRE (2.3)
APOC1 (2.6)	MPP3 (2.5)	MAP1A (2.4)	C11orf9 (2.2)	HAPLN4 (2.2)
CLPTM1 (2.5)	NEIL2 (2.4)	ENSG00000182329 (2	TMEM214 (2.3)	DHODH (2.2)
MRPL35 (2.7)	ATP13A1 (2.7)	PPIP5K1 (2.4)	PTPMT1 (2.4)	HDAC5 (2.2)
TMEM175 (3.1)	CHMP3 (3.0)	MPV17 (2.6)	ATG4C (2.4)	BCL7B (2.4)
GATAD2A (2.1)	POLR1A (1.9)	NSMAF (1.8)	CHMP3 (1.6)	MAFF (1.6)
ENSG00000179523 (2	EMILIN1 (2.2)	SOST (2.0)	BCAM (2.0)	SDC1 (2.0)
TAGLN (2.6)	CILP2 (2.5)	CSGALNACT1 (2.5)	ANGPTL4 (2.2)	KRTCAP3 (2.2)
LPAR2 (2.6)	PVRL2 (2.4)	MADD (2.3)	FUT1 (2.3)	JMJD1C (2.2)
APOC1 (1.9)	C1QTNF4 (1.9)	FADS2 (1.8)	SIDT2 (1.7)	APOE (1.7)
PCIF1 (2.1)	ENSG00000235545 (1	CATSPER2 (1.8)	ENSG00000234945 (1	ATP13A1 (1.6)
ENSG00000236267 (2	NOP58 (1.9)	DOCK7 (1.6)	MAMSTR (1.5)	NFE2L3 (1.4)
DOCK6 (2.0)	PTPRJ (2.0)	EMILIN1 (2.0)	GALNT2 (1.9)	CD300LG (1.8)
TOMM40 (3.7)	DHODH (3.3)	GPN1 (3.3)	PTCD3 (3.3)	CAD (3.0)
MTCH2 (2.2)	GPAM (2.1)	TMED5 (2.1)	LPL (2.0)	FRMD5 (2.0)
CBLC (3.0)	FUT1 (2.7)	MYBPC3 (2.5)	BCAM (2.3)	C8orf12 (2.1)
ARFGAP2 (2.4)	C11orf49 (2.4)	KBTBD4 (2.3)	MAPK10 (2.2)	MPP2 (2.1)

IFT172 (2.8)	AGBL5 (2.7)	UBXN2B (2.7)	DPYSL5 (2.5)	CITED2 (2.3)
ENSG00000236267 (2	TDH (2.2)	ENSG00000254235 (1	TIMD4 (1.8)	COBLL1 (1.7)
CASC4 (2.9)	ENSG00000255020 (2	DNAH10 (2.5)	ENSG00000236827 (2	CSGALNACT1 (2.4)
NAGS (2.0)	CGREF1 (1.8)	KHK (1.7)	RIC8B (1.7)	GALNT2 (1.7)
CGREF1 (2.5)	UBXN2B (2.4)	EMILIN1 (2.3)	CTSB (2.3)	TECTB (2.1)
PTPRJ (1.6)	PCIF1 (1.5)	PBX4 (1.5)	PMFBP1 (1.5)	SFN (1.4)
PCSK7 (2.9)	HAPLN4 (2.7)	ATG13 (2.6)	SDC1 (2.5)	TRNP1 (2.4)
BLK (2.4)	CSGALNACT1 (2.4)	SIK3 (2.3)	CMIP (2.2)	LRP4 (2.1)
GATAD2A (2.6)	PDIA3 (2.6)	BAZ1B (2.6)	KANK2 (2.5)	OST4 (2.3)
GTF3C2 (3.2)	SUGP1 (3.1)	DHX38 (3.0)	GPN2 (3.0)	DR1 (2.9)
MLXIPL (2.0)	ENSG00000235545 (2	NAGS (1.9)	ENSG00000182329 (1	TBL2 (1.8)
KDM3A (2.3)	JMJD1C (2.2)	LRP4 (2.2)	BCL3 (2.0)	SIK3 (2.0)
ENSG00000234945 (2	ABHD1 (2.1)	FAM167A (2.0)	ENSG00000235545 (2	C19orf80 (1.9)
ZNF513 (2.4)	NRBP1 (2.3)	BCL7B (2.2)	RBKS (2.1)	CITED2 (2.1)
TAGLN (3.4)	MYBPC3 (3.3)	RASIP1 (3.2)	TRIM54 (3.1)	RSPO3 (3.0)
TXNL4B (2.2)	PGS1 (2.1)	C8orf12 (2.0)	UBXN2B (2.0)	ENSG00000234945 (1
RFX4 (2.6)	NSMAF (2.6)	KRTCAP3 (2.3)	MADD (2.2)	BUD13 (2.1)
KRTCAP3 (2.5)	CGREF1 (2.5)	KLF14 (2.4)	NCAN (2.2)	EMILIN1 (2.1)
NAGS (2.2)	LPAR2 (2.2)	KLF14 (2.0)	TRIM54 (2.0)	PVRL2 (2.0)
ENSG00000182329 (1	ENSG00000235545 (1	NEIL2 (1.6)	GCKR (1.6)	DNAJC5G (1.6)
TOMM40 (2.5)	SNX17 (2.5)	GPN1 (2.2)	TAGLN (2.1)	GATAD2A (1.8)
GPAM (2.4)	DOCK7 (2.2)	BLK (2.2)	GATAD2A (2.1)	ZNF335 (2.1)
ZNF664 (3.0)	HDAC5 (2.8)	BCL7B (2.5)	GPN2 (2.3)	MTF2 (1.9)
SDCBP (2.4)	ARHGAP1 (2.1)	EPB41L3 (2.0)	CHMP3 (1.8)	CLPTM1 (1.8)
DHX38 (2.9)	ZNF335 (2.6)	SIK3 (2.3)	NSMAF (2.1)	ANGPTL4 (2.1)
ACP2 (2.2)	HAVCR1 (2.0)	SLC22A3 (2.0)	BRE (1.8)	ZDHHC18 (1.7)
ACP2 (2.2)	HAVCR1 (2.0)	SLC22A3 (2.0)	BRE (1.8)	ZDHHC18 (1.7)
NEIL2 (1.9)	DHODH (1.9)	FADS2 (1.8)	RBKS (1.8)	KHK (1.8)
ENSG00000223745 (2	ENSG00000223522 (2	NEIL2 (2.5)	ENSG00000254235 (2	PMFBP1 (2.3)
DOCK7 (2.6)	C8orf49 (2.6)	ABO (2.4)	UBXN2B (2.4)	ARID1A (2.3)
DPYSL5 (2.7)	ENSG00000182319 (2	LRP4 (2.4)	LPAR2 (2.3)	REEP3 (2.2)
SNX17 (3.2)	PPM1G (3.1)	PREB (3.0)	TOMM40 (2.9)	EIF3J (2.8)
VEGFA (2.5)	PCIF1 (2.4)	HDAC5 (2.2)	C8orf12 (2.1)	MTF2 (2.0)
NFE2L3 (2.3)	CHMP3 (2.2)	ATG13 (2.1)	KDM3A (2.0)	TP53BP1 (1.8)
PDIA3 (2.2)	NEIL2 (2.1)	PPM1G (1.8)	CAD (1.8)	MFAP1 (1.7)
TDH (2.9)	DNAJC5G (2.7)	LPAR2 (2.5)	ENSG00000182319 (2	ENSG00000255020 (2
MAFF (2.6)	MFAP1 (2.5)	POLR1A (2.5)	GPN1 (2.2)	FNBP4 (2.1)
ENSG00000222035 (2	MPP3 (2.2)	DPYSL5 (2.1)	ENSG00000253379 (2	ENSG00000256746 (2
TECTB (2.6)	CSGALNACT1 (2.4)	CILP2 (2.4)	IZUMO1 (2.3)	CCDC121 (2.1)
TMEM175 (2.4)	IFT172 (1.9)	DNAH10 (1.8)	USP1 (1.8)	LINC00208 (1.5)
ZNF513 (2.2)	AGBL5 (2.0)	PVRL2 (2.0)	DPYSL5 (1.9)	AGBL2 (1.8)
CYP26A1 (2.8)	ENSG00000253379 (2	DNAJC5G (1.8)	AGBL2 (1.7)	CITED2 (1.7)
ENSG00000253379 (2	ENSG00000223522 (2	CILP2 (2.0)	ENSG00000179523 (2	LINC00208 (1.9)
C2orf53 (2.9)	CELF1 (2.4)	C19orf80 (1.9)	PAFAH1B2 (1.9)	ENSG00000226645 (1
FUT1 (2.1)	TUBGCP4 (2.0)	ATG13 (1.9)	PAFAH1B2 (1.8)	GATAD2A (1.8)
KANK2 (2.1)	MFAP1 (2.1)	PBX4 (2.0)	TDH (1.9)	CASC4 (1.9)
NCAN (2.6)	LRP4 (2.5)	FNDC4 (2.4)	GATA4 (2.1)	C1QTNF4 (2.1)
PBX4 (2.8)	TECTB (2.3)	LINC00208 (2.3)	C2orf53 (2.2)	ZNF513 (2.1)
DPYSL5 (2.7)	FZD9 (2.3)	ENSG00000182319 (2	DNAH10 (1.8)	DNAJC5G (1.8)
PLTP (3.1)	MAP1A (2.8)	TBL2 (2.7)	CATSPER2 (2.6)	CTSB (2.6)

ZDHHC18 (2.3)	PGS1 (2.1)	PTPRJ (1.8)	COBLL1 (1.8)	LPAR2 (1.8)
MAPK10 (2.0)	RFX4 (2.0)	PMFBP1 (2.0)	MPP2 (1.9)	DNAH10 (1.9)
CASC4 (2.1)	CTDSPL2 (2.0)	SUMO1 (1.9)	LPAR2 (1.9)	TMEM101 (1.9)
NAGS (3.2)	PYY (2.8)	REEP1 (2.7)	NAT2 (2.7)	BNC2 (2.6)
NCAN (2.2)	JMJD1C (2.2)	ENSG00000223745 (2	KRTCAP3 (2.0)	DPYSL5 (2.0)
KRTCAP3 (2.6)	ABO (2.3)	UCN (2.2)	DUSP3 (2.1)	ENSG00000179523 (2
NUP160 (2.9)	BUD13 (2.8)	CKAP5 (2.8)	PTCD3 (2.7)	INTS10 (2.6)
FNBP4 (1.7)	EIF2B4 (1.6)	ENSG00000223522 (1	ENSG00000226645 (1	DPYSL5 (1.6)
DOCK6 (2.9)	SFN (2.3)	PVRL2 (2.1)	FNDC4 (2.1)	ENSG00000182319 (2
PTPRJ (1.7)	PBX4 (1.7)	CMIP (1.7)	PAFAH1B2 (1.7)	PPIP5K1 (1.5)
MADD (2.6)	GPAM (2.6)	MAFF (2.5)	AFF1 (2.4)	KDM3A (2.4)
UCN (2.3)	MPV17 (2.2)	PTPMT1 (1.8)	C2orf53 (1.8)	REEP1 (1.7)
LPAR2 (2.6)	FUT1 (2.4)	PVRL2 (2.3)	MADD (2.3)	PAFAH1B2 (2.2)
MTMR9 (2.7)	MFAP1 (2.7)	TXNL4B (2.3)	MTF2 (2.2)	BUD13 (2.1)
CASC4 (2.1)	CCDC121 (1.8)	AGBL5 (1.7)	TDH (1.7)	AGBL2 (1.6)
TMEM101 (4.1)	PIGV (4.1)	ATP13A1 (3.8)	TBL2 (2.8)	MPV17 (2.8)
BAZ1B (2.3)	DDB2 (2.3)	CTDSPL2 (2.3)	MPV17 (1.9)	TUBGCP4 (1.8)
GPN1 (3.3)	USP1 (3.1)	PTCD3 (3.1)	CKAP5 (3.0)	INTS10 (2.8)
PBX4 (2.4)	ENSG00000257711 (2	CITED2 (2.0)	TDH (1.9)	OST4 (1.7)
NRBF2 (2.6)	MFAP1 (2.5)	GPN2 (2.3)	CASC4 (2.2)	LPAR2 (2.1)
C1orf172 (2.9)	TRNP1 (2.8)	DOCK6 (2.6)	KANK2 (2.6)	TAGLN (2.5)
AMBRA1 (2.3)	FGF21 (2.2)	C8orf12 (2.2)	SLC22A3 (2.1)	ABHD1 (2.0)
ABO (2.2)	NAT2 (2.1)	FADS2 (2.1)	TSSK6 (2.1)	COBLL1 (2.1)
RIC8B (2.1)	CCDC92 (2.1)	ENSG00000256731 (1	SLC22A3 (1.7)	SDC1 (1.7)
SDCBP (2.1)	NRBP1 (2.0)	MAPRE3 (2.0)	BMPR2 (2.0)	AGBL5 (1.9)
ENSG00000256746 (2	EPB41L3 (1.9)	MAP1A (1.8)	HAVCR1 (1.8)	IGF2R (1.8)
USP1 (3.7)	CAD (3.4)	CTDSPL2 (3.1)	CKAP5 (2.9)	PPM1G (2.9)
TMEM214 (3.4)	AGBL5 (3.1)	TMED5 (3.0)	GPN1 (2.9)	PREB (2.6)
GPN1 (3.4)	TOMM40 (3.4)	EIF2B4 (3.2)	PTCD3 (2.9)	DHODH (2.7)
KLF14 (2.7)	PBX4 (2.1)	ENSG00000182319 (2	ENSG00000236827 (1	C11orf49 (1.9)
TRIM54 (2.3)	TM6SF2 (2.1)	PPY (1.9)	ENSG00000182329 (1	ABCA1 (1.9)
DNAH10 (2.3)	LPAR2 (2.0)	MAFF (1.7)	AFF1 (1.7)	C8orf12 (1.7)
EIF3J (3.1)	PPM1G (2.6)	ZNF259 (2.4)	TOMM40 (2.3)	EIF2B4 (2.3)
HARBI1 (2.5)	ACP2 (2.4)	ZNF408 (2.4)	PACSIN3 (2.3)	AFF1 (2.3)
IMMT (2.8)	HAVCR1 (2.6)	ENSG00000200241 (2	NDUFS3 (2.4)	RBKS (2.4)
ENSG00000257711 (2	DOCK7 (2.1)	TDH (2.0)	DR1 (2.0)	EMILIN1 (1.9)
PBX4 (2.3)	IZUMO1 (2.0)	GMIP (1.9)	ZDHHC18 (1.9)	TIMD4 (1.8)
TOMM40 (3.4)	GPN1 (3.1)	EIF3J (3.0)	EIF2B4 (2.9)	PTCD3 (2.7)
LPAR2 (2.5)	FUT1 (2.3)	MADD (2.1)	NSMAF (2.0)	PAFAH1B2 (2.0)
ENSG00000254235 (2	SOST (2.6)	TMEM101 (2.6)	DNAH10 (2.4)	ENSG00000253379 (2
CTSB (2.6)	DOCK6 (2.4)	SDC1 (2.3)	ENSG00000182319 (2	APOC1 (2.3)
TRIM54 (2.1)	GTF3C2 (1.9)	GATA4 (1.8)	LPA (1.8)	PLTP (1.8)
NRBP1 (2.0)	PDIA3 (2.0)	PGS1 (1.9)	FNBP4 (1.9)	NSMAF (1.9)
TBL2 (3.6)	LINC00208 (3.1)	PDIA3 (3.1)	FADS1 (2.9)	TP53BP1 (2.2)
PPM1G (2.5)	LSM12 (2.4)	SUGP1 (2.4)	CAD (2.2)	NSMAF (2.1)
PTPRJ (2.1)	CMIP (2.1)	ZDHHC18 (1.9)	ARHGAP1 (1.9)	DDB2 (1.9)
SDCBP (2.2)	GATAD2A (2.2)	EPB41L3 (2.1)	DR1 (2.0)	DUSP3 (1.9)
CELF1 (2.1)	POLR1A (2.0)	SUGP1 (1.9)	LSM12 (1.9)	ENSG00000179523 (1
PVRL2 (2.8)	DOCK7 (2.5)	PTPRJ (2.3)	NCAN (2.3)	SDCBP (2.2)
INTS10 (2.2)	ENSG00000253379 (1	UBXN2B (1.9)	CCDC92 (1.9)	GALNT2 (1.9)

RFX4 (2.7) C8orf12 (2.6) DPYSL5 (2.3) FZD9 (2.0) DNAJC5G (2.0)
PBX4 (2.0) BLK (2.0) TIMD4 (1.9) BCL3 (1.7) SLC22A1 (1.7)
LPA (2.5) C2orf53 (2.5) HGFAC (2.3) ENSG00000236267 (2 TMEM175 (2.2)
SLC22A3 (2.3) CITED2 (2.1) CD300LG (2.1) IZUMO1 (2.1) RFX4 (2.1)
TOMM40 (3.1) GPN1 (3.1) EIF2B4 (3.0) CAD (2.9) DHODH (2.8)
POLR1A (3.0) PTCD3 (2.8) OST4 (2.6) DHX38 (2.6) TOMM40 (2.1)
NRBP1 (2.1) DDB2 (2.1) SDCBP (2.0) FEN1 (2.0) CHMP3 (2.0)
FZD9 (2.2) CLPTM1 (2.1) BRE (1.8) TRIB1 (1.7) DR1 (1.7)
ENSG00000182319 (1 CITED2 (1.7) PCIF1 (1.7) PAFAH1B2 (1.6) DNAJC5G (1.6)
MTF2 (2.7) BUD13 (2.5) GPN2 (2.5) SUPT7L (2.1) BMPR2 (2.1)
PDIA3 (3.4) NRBP1 (3.3) BCL7B (2.9) TBL2 (2.7) ARHGAP1 (2.2)
ENSG00000222035 (1 ABO (1.5) TRNP1 (1.5) CTSB (1.4) UCN (1.4)
KLF14 (2.5) CYP26A1 (2.3) RSPO3 (2.2) PTPN13 (2.2) PBX4 (2.2)
C2orf28 (3.9) PIGV (3.8) TBL2 (3.7) TMEM214 (3.3) CLPTM1 (3.2)
GALNT2 (1.9) NCAN (1.8) ABHD1 (1.7) PLTP (1.6) LRP4 (1.6)
DHX38 (3.1) MAU2 (3.1) GTF3C2 (2.8) MFAP1 (2.7) KBTBD4 (2.7)
IZUMO1 (2.2) C2orf16 (2.2) LPL (2.0) GMIP (1.9) HP (1.8)
KDM3A (1.8) INTS10 (1.7) PCSK7 (1.6) FADS2 (1.5) KANK2 (1.5)
PTPMT1 (2.1) AMBRA1 (1.7) RIC8B (1.5) ENSG00000256731 (1 DNAH10 (1.4)
WDR76 (2.8) CKAP5 (2.8) SLC5A6 (2.7) EIF3J (2.6) PPM1G (2.6)
IMMT (4.2) OST4 (4.0) MTCH2 (3.7) PPIP5K1 (3.0) C2orf28 (2.7)
AGBL2 (2.3) MFAP1 (2.2) IMMT (2.2) CELF1 (2.1) ATG13 (2.0)
DUSP3 (2.7) PGS1 (2.3) TAGLN (2.1) ENSG00000254235 (2 CELF1 (2.0)
ATG4C (2.4) MPP3 (2.3) EPB41L3 (2.3) REEP1 (2.2) DUSP3 (2.1)
PTPN13 (2.7) RFX4 (2.5) HAPLN4 (2.4) KRTCAP3 (2.3) SLC30A3 (2.1)
LPAR2 (2.0) PTPN13 (1.9) CCDC121 (1.8) PVRL2 (1.8) CGREF1 (1.8)
NRBF2 (3.1) GMIP (2.7) DNAH10 (2.4) LPAR2 (2.2) SIK3 (1.8)
PTPRJ (2.2) EMILIN1 (2.2) PLTP (2.1) ACP2 (2.1) VEGFA (2.0)
CASC4 (2.3) GMIP (2.3) BCL3 (2.2) PBX4 (2.2) MTMR9 (2.2)
AFF1 (2.7) ZNF664 (2.6) GATAD2A (2.5) NRBP1 (2.4) ARHGAP1 (2.2)
MTCH2 (2.2) EIF2B4 (2.1) C8orf12 (1.9) BRE (1.9) LSM12 (1.9)
PVRL2 (2.8) CETP (2.8) ATG4C (2.6) ENSG00000223745 (2 MAMSTR (2.4)
C8orf49 (2.1) ACP2 (2.0) MAPK10 (2.0) CTSB (1.9) BMPR2 (1.9)
CKAP5 (2.8) WDR76 (2.7) USP1 (2.7) BUD13 (2.4) FNBP4 (2.2)
GTF3C2 (3.0) GPN1 (2.9) INTS10 (2.9) USP1 (2.9) POLR1A (2.9)
APOA4 (2.0) DOCK7 (1.8) PTPRJ (1.8) C17orf105 (1.8) KHK (1.8)
ANGPTL4 (2.8) PACSIN3 (2.8) VEGFA (2.1) TRIB1 (2.0) BCAM (1.9)
REEP3 (2.4) TSSK6 (2.2) CCDC92 (2.2) SIK3 (2.1) FRMD5 (2.1)
GATAD2A (3.0) IGF2R (2.7) USP1 (2.7) PACSIN3 (2.4) PPM1G (2.4)
PDIA3 (2.5) PTPRJ (2.5) BCL3 (2.5) C11orf49 (2.4) ATP13A1 (2.2)
PDIA3 (2.5) PTPRJ (2.5) BCL3 (2.5) C11orf49 (2.4) ATP13A1 (2.2)
PDIA3 (2.5) PTPRJ (2.5) BCL3 (2.5) C11orf49 (2.4) ATP13A1 (2.2)
FGF21 (2.2) C2orf53 (2.2) C2orf28 (1.9) HAVCR1 (1.9) AGBL2 (1.9)
C2orf28 (1.9) ENSG00000253379 (1 REEP3 (1.8) CASC4 (1.7) LPL (1.6)
SNX17 (2.9) ZNF513 (2.6) PVRL2 (2.5) CD300LG (2.4) KANK2 (2.4)
TRIM54 (2.1) PACSIN3 (2.0) ENSG00000179523 (2 ZNF335 (2.0) ENSG00000222035 (1
MFAP1 (2.9) SUGP1 (2.6) EIF2B4 (2.5) SUPT7L (2.5) KBTBD4 (2.4)
EIF3J (3.2) ENSG00000179523 (2 ZDHHC18 (2.6) TUBGCP4 (2.5) JMJD1C (2.5)
BCL7B (2.6) PCIF1 (2.3) ZNF335 (2.2) ARID1A (2.2) BUD13 (2.1)
GATA4 (3.7) DNAH10 (3.3) TDH (2.7) DNAJC5G (2.6) C11orf9 (2.4)

ARHGAP1 (3.1)	FRMD5 (2.7)	BCAM (2.6)	CHMP3 (2.5)	TRIM54 (2.4)
CYP7A1 (2.9)	ENSG00000179523 (2	ENSG00000223522 (2	PLA2G6 (2.3)	ABHD1 (2.1)
RSPO3 (2.5)	CCDC121 (2.4)	PTPN13 (2.0)	CGREF1 (2.0)	BNC2 (2.0)
USP1 (2.4)	CITED2 (2.4)	KDM3A (2.2)	TXNL4B (2.1)	ARID1A (2.1)
KBTBD4 (3.0)	GTF3C2 (2.8)	FNBP4 (2.5)	HARBI1 (2.4)	MTCH2 (2.3)
KBTBD4 (3.0)	GTF3C2 (2.8)	FNBP4 (2.5)	HARBI1 (2.4)	MTCH2 (2.3)
ARID1A (3.0)	KDM3A (3.0)	KANK2 (2.7)	IGF2R (2.7)	USP1 (2.5)
MPP3 (2.7)	HAPLN4 (2.7)	MAP1A (2.6)	MAPRE3 (2.5)	PPIP5K1 (2.5)
PLA2G6 (2.3)	ABO (2.1)	HDAC5 (2.0)	KANK2 (2.0)	ZNF335 (2.0)
UBXN2B (2.5)	KDM3A (2.5)	HDAC5 (2.2)	DOCK6 (2.0)	JMJD1C (2.0)
RASIP1 (2.2)	SLC30A3 (2.1)	FUT2 (2.0)	ANGPTL4 (1.9)	SNX17 (1.9)
CYP26A1 (3.4)	FZD9 (3.2)	RFX4 (2.8)	FAM167A (2.8)	RSPO3 (2.7)
FUT1 (2.6)	LPAR2 (2.3)	SPG11 (2.3)	MADD (2.2)	NSMAF (2.2)
DHX38 (2.4)	PCIF1 (2.2)	LINC00208 (2.2)	ABO (2.1)	IGF2R (2.0)
BUD13 (2.9)	TXNL4B (2.8)	GPN2 (2.6)	DR1 (2.5)	INTS10 (2.4)
ATG13 (3.4)	ENSG00000255020 (3	PREB (2.9)	BRE (2.6)	SUGP1 (2.3)
GATAD2A (2.5)	NRBP1 (2.5)	CITED2 (2.4)	IMMT (2.3)	LSM12 (2.2)
PCIF1 (2.8)	KDM3A (2.7)	CELF1 (2.6)	TRIB1 (2.6)	AMBRA1 (2.5)
TMEM101 (2.7)	IGF2R (2.5)	ACP2 (2.2)	FRMD5 (2.2)	PLA2G6 (2.1)
PLA2G6 (2.5)	C19orf80 (2.2)	GPAM (2.2)	MAP1A (2.1)	ENSG00000179523 (1
NFE2L3 (2.6)	WDR76 (2.4)	FEN1 (2.1)	SUMO1 (2.0)	CTDSPL2 (2.0)
PLTP (2.5)	NR1H3 (2.4)	SDCBP (2.4)	ABCA1 (2.3)	ACP2 (2.1)
FRMD5 (3.8)	PACSIN3 (2.8)	BCAM (2.6)	LPL (2.0)	SOST (1.8)
SDCBP (1.9)	BNC2 (1.9)	TDH (1.8)	TRNP1 (1.8)	BMPR2 (1.8)
LPAR2 (3.0)	AFF1 (2.6)	DOCK6 (2.5)	FUT1 (2.3)	CMIP (2.0)
IFT172 (3.3)	PPIP5K1 (3.3)	ZNF335 (2.7)	BMPR2 (2.6)	EPB41L3 (2.6)
PDIA3 (2.0)	C11orf49 (1.9)	PTPN13 (1.7)	C8orf49 (1.7)	CMIP (1.7)
GMIP (2.6)	MAU2 (2.4)	BCL3 (2.2)	LPAL2 (2.2)	SOST (2.0)
DOCK7 (2.6)	ZDHHC18 (2.2)	ZNF513 (2.0)	PPM1G (2.0)	PCIF1 (1.8)
AGBL2 (3.0)	SLC22A1 (3.0)	LPA (3.0)	SIK3 (2.9)	ABO (2.6)
PCSK7 (2.5)	ABCA1 (2.3)	DHX38 (2.3)	ATP13A1 (2.2)	GALNT2 (2.2)
EPB41L3 (2.6)	ENSG00000235545 (2	PTPRJ (2.5)	SUMO1 (2.5)	JMJD1C (2.4)
SUGP1 (2.7)	INTS10 (2.6)	ZNF259 (2.6)	HARBI1 (2.3)	TXNL4B (2.1)
SUPT7L (2.5)	AGBL5 (2.3)	GTF3C2 (2.3)	ZNF408 (2.3)	SUGP1 (2.2)
NEIL2 (2.3)	CMIP (1.9)	TUBGCP4 (1.8)	MAPRE3 (1.8)	ABO (1.8)
MADD (2.4)	GMIP (2.4)	SPG11 (2.3)	JMJD1C (2.3)	SIK3 (2.3)
AMBRA1 (2.1)	IGF2R (2.0)	ARHGAP1 (2.0)	BRE (1.8)	CCDC92 (1.6)
IMMT (3.0)	DHX38 (2.7)	PDIA3 (2.6)	POLR1A (2.4)	GTF3C2 (2.3)
MPV17 (2.2)	PLA2G6 (2.1)	MPP2 (2.1)	AFF1 (2.0)	C19orf80 (1.9)
AGBL5 (1.9)	TM6SF2 (1.9)	MPP2 (1.8)	CCDC92 (1.8)	CYP26A1 (1.6)
MRPL35 (3.0)	EIF2B4 (2.9)	PDIA3 (2.7)	EIF3J (2.5)	PREB (2.4)
CYP26A1 (2.0)	FUT2 (2.0)	SFN (1.9)	RFX4 (1.9)	DPYSL5 (1.8)
ENSG00000254235 (2	LRP4 (2.3)	C11orf9 (2.2)	ENSG00000182319 (2	ENSG00000222035 (1
AGBL2 (2.2)	BCAM (2.0)	ENSG00000256731 (2	MADD (1.9)	ATG4C (1.8)
TMEM214 (3.1)	ATG13 (3.0)	MPV17 (2.8)	TBL2 (2.2)	BRE (2.0)
EPB41L3 (2.0)	MAPK10 (2.0)	SLC22A3 (1.9)	TIMD4 (1.9)	PMFBP1 (1.9)
EPB41L3 (2.0)	MAPK10 (2.0)	SLC22A3 (1.9)	TIMD4 (1.9)	PMFBP1 (1.9)
MRPL33 (2.8)	EIF3J (2.3)	G6PC3 (2.2)	TOMM40 (2.2)	ZNF259 (2.2)
ENSG00000236827 (2	ENSG00000234945 (2	C2orf16 (2.5)	ENSG00000255020 (2	TDH (2.1)
ZNF512 (2.1)	DUSP3 (2.0)	BUD13 (1.9)	TBL2 (1.8)	TMEM101 (1.8)

MRPL33 (2.2)	CGREF1 (2.0)	PTCD3 (1.8)	POLR1A (1.7)	GATAD2A (1.6)
PCIF1 (2.5)	ARID1A (2.3)	BAZ1B (2.3)	USP1 (2.0)	CTDSPL2 (1.9)
PCIF1 (2.5)	ARID1A (2.3)	BAZ1B (2.3)	USP1 (2.0)	CTDSPL2 (1.9)
PCIF1 (2.5)	ARID1A (2.3)	BAZ1B (2.3)	USP1 (2.0)	CTDSPL2 (1.9)
SUGP1 (3.6)	ZNF408 (3.5)	KBTBD4 (3.1)	GPN1 (2.6)	BUD13 (2.5)
ENSG00000254235 (2	LRP4 (2.3)	DNAJC5G (2.3)	FAM167A (2.2)	ENSG00000179523 (2
NCAN (2.2)	ZNF512 (2.2)	ZDHHC18 (2.1)	C11orf9 (2.1)	CMIP (2.0)
BNC2 (2.6)	FZD9 (2.4)	KLF14 (2.3)	CITED2 (2.1)	LPAL2 (2.1)
TECTB (2.8)	KLF14 (2.6)	SLC30A3 (2.4)	ENSG00000226645 (2	TSSK6 (2.2)
FZD9 (2.3)	ENSG00000254235 (2	MAFF (1.9)	CILP2 (1.9)	KRTCAP3 (1.9)
BUD13 (2.8)	KBTBD4 (2.6)	DHX38 (2.4)	PCIF1 (2.4)	TXNL4B (2.3)
POLR1A (3.3)	TOMM40 (3.2)	EIF3J (3.2)	INTS10 (3.2)	EIF2B4 (2.9)
DPYSL5 (2.5)	UCN (2.2)	ENSG00000236827 (2	MAP1A (2.0)	TDH (1.9)
LRP4 (3.7)	FUT2 (2.7)	MAMSTR (2.3)	TAGLN (2.2)	G6PC3 (2.2)
SUGP1 (2.9)	DHX38 (2.9)	GPN2 (2.8)	NUP160 (2.8)	PTCD3 (2.5)
CCDC121 (2.1)	C8orf12 (2.1)	MAPK10 (1.9)	PYY (1.9)	UCN (1.9)
SUMO1 (1.9)	TOMM40 (1.9)	CBLC (1.8)	EMILIN1 (1.8)	CLPTM1 (1.7)
GATAD2A (2.6)	USP1 (2.4)	CAD (2.4)	NUP160 (2.2)	ARID1A (2.0)
ENSG00000253379 (3	WDR76 (2.5)	USP1 (2.4)	TUBGCP4 (2.2)	CTDSPL2 (2.0)
KLF14 (2.2)	ENSG00000256746 (2	ABO (2.0)	RSPO3 (2.0)	ENSG00000182319 (1
SUGP1 (3.2)	MFAP1 (3.0)	MAU2 (2.8)	GPN1 (2.7)	ATP13A1 (2.5)
DNAJC5G (2.1)	ATG4C (2.1)	G6PC3 (1.9)	COBLL1 (1.9)	ENSG00000182329 (1
DNAH10 (1.9)	DOCK7 (1.9)	IFT172 (1.9)	CCDC18 (1.9)	G6PC3 (1.8)
C1orf172 (2.3)	GMIP (2.3)	SOST (2.0)	CMIP (1.9)	ZNF512 (1.9)
LPA (2.1)	TECTB (2.0)	COBLL1 (2.0)	DPYSL5 (2.0)	TSSK6 (1.8)
CITED2 (2.4)	USP1 (2.1)	MAU2 (2.0)	GATAD2A (1.9)	INTS10 (1.8)
LRP4 (2.4)	CITED2 (2.4)	BCAM (2.2)	ZNF408 (2.1)	RSPO3 (2.0)
ENSG00000222035 (1	C1QTNF4 (1.7)	SLC22A3 (1.7)	ENSG00000236827 (1	PTPMT1 (1.6)
EIF3J (2.5)	USP1 (2.3)	CAD (2.3)	NUP160 (2.1)	FNBP4 (2.1)
DR1 (2.9)	PPM1G (2.6)	GPN1 (2.4)	CAD (2.4)	ZNF664 (2.4)
SFN (2.3)	PVRL2 (2.2)	DOCK6 (2.1)	ENSG00000223745 (2	KANK2 (2.0)
ENSG00000256731 (2	KBTBD4 (2.7)	ZDHHC18 (2.3)	MTCH2 (2.1)	NAT2 (2.1)
PTPMT1 (2.7)	NDUFS3 (2.6)	RBKS (2.5)	SUPT7L (2.5)	DOCK7 (2.3)
ABHD1 (2.7)	TECTB (2.4)	LPAL2 (2.4)	ENSG00000257711 (2	DNAH10 (1.9)
C2orf28 (2.6)	NEIL2 (2.6)	MAFF (2.5)	ENSG00000236827 (2	ZNF335 (2.3)
RSPO3 (2.6)	KANK2 (2.5)	EMILIN1 (2.4)	C11orf9 (2.3)	PTPN13 (2.3)
ZNF512 (3.6)	DDB2 (3.2)	CTDSPL2 (2.9)	GPN1 (2.8)	MFAP1 (2.7)
NAGS (2.2)	KHK (2.1)	ENSG00000236267 (2	SLC22A3 (1.9)	ENSG00000255020 (1
CYP26A1 (2.5)	SOST (2.4)	TRIM54 (2.2)	PACSIN3 (2.0)	BMPR2 (2.0)
ABCA1 (2.5)	APOE (2.4)	PMFBP1 (2.0)	REEP3 (1.9)	CGREF1 (1.9)
UCN (2.1)	ANGPTL4 (2.0)	CASC4 (2.0)	ENSG00000222035 (1	ABHD1 (1.7)
NCAN (2.4)	C11orf9 (2.3)	ZDHHC18 (2.2)	ARHGAP1 (2.2)	CILP2 (2.1)
ENSG00000256731 (1	ABHD1 (1.9)	EPB41L3 (1.7)	DUSP3 (1.7)	NSMAF (1.7)
KHK (2.4)	C2orf28 (2.2)	C11orf9 (2.1)	RSPO3 (2.0)	MPV17 (2.0)
CLPTM1 (1.9)	UBXN2B (1.9)	CASC4 (1.8)	NFE2L3 (1.8)	PPM1G (1.8)
PMFBP1 (2.8)	CCDC92 (2.6)	ENSG00000255020 (2	CCDC121 (2.4)	C2orf53 (2.2)
NFE2L3 (2.5)	KRTCAP3 (2.2)	GMIP (2.1)	NR1H3 (2.1)	CTSB (2.0)
GATAD2A (2.2)	ENSG00000182319 (2	COBLL1 (2.2)	ARHGAP1 (2.1)	IMMT (2.0)
HDAC5 (3.1)	ZNF513 (3.0)	FZD9 (2.8)	LRP4 (2.5)	BLK (2.2)
CASC4 (2.9)	PDIA3 (2.8)	TMEM101 (2.8)	SIDT2 (2.7)	GALNT2 (2.3)

IMMT (3.4)	PDIA3 (3.2)	VEGFA (2.6)	EIF2B4 (2.3)	BRE (2.2)
EIF2B4 (2.7)	NDUFS3 (2.7)	MRPL35 (2.6)	PREB (2.6)	PDIA3 (2.2)
LRP4 (2.2)	PTPN13 (2.2)	AGBL5 (1.9)	KRTCAP3 (1.9)	TMEM101 (1.8)
CCDC121 (2.1)	JMJD1C (2.0)	LPAR2 (1.9)	KLF14 (1.7)	BMPR2 (1.6)
SUPT7L (2.0)	PGS1 (1.9)	ATP13A1 (1.9)	TMED5 (1.9)	BCL7B (1.8)
PMFBP1 (2.1)	SLC22A3 (2.0)	DUSP3 (1.9)	NSMAF (1.8)	ENSG00000200241 (1
PMFBP1 (2.1)	SLC22A3 (2.0)	DUSP3 (1.9)	NSMAF (1.8)	ENSG00000200241 (1
KRTCAP3 (2.6)	ENSG00000256731 (2	SDCBP (2.2)	PREB (1.9)	ATP13A1 (1.9)
POLR1A (2.9)	ATG4C (2.8)	EIF3J (2.7)	ENSG00000179523 (2	TXNL4B (2.5)
PVRL2 (2.3)	TAGLN (1.9)	CHMP3 (1.8)	MRPL33 (1.7)	CMIP (1.6)
ABO (1.6)	ENSG00000222035 (1	C8orf12 (1.4)	CD300LG (1.4)	C1QTNF4 (1.3)
TECTB (2.8)	GMIP (2.2)	PIGV (1.9)	REEP3 (1.7)	PTPRJ (1.5)
ENSG00000182329 (2	GPN1 (2.4)	CLPTM1 (2.1)	BCAM (2.1)	NAGS (2.1)
GPN1 (3.5)	PTCD3 (3.1)	TOMM40 (3.1)	EIF2B4 (3.1)	CAD (2.8)
DNAJC5G (2.0)	TAGLN (1.9)	MLXIPL (1.8)	ENSG00000223522 (1	G6PC3 (1.8)
ACP2 (2.3)	TIMD4 (1.9)	LINC00208 (1.9)	KRTCAP3 (1.8)	CASC4 (1.8)
PACSIN3 (3.2)	GATA4 (2.8)	SOST (2.8)	BCL7B (2.0)	RASIP1 (1.9)
LRP4 (2.5)	KRTCAP3 (2.3)	JMJD1C (1.9)	ENSG00000223745 (1	ENSG00000257711 (1
LPAR2 (2.5)	CD300LG (2.3)	RASIP1 (2.3)	KRTCAP3 (2.0)	ENSG00000182319 (2
PTPN13 (2.5)	C11orf49 (2.4)	CSGALNACT1 (2.4)	NFE2L3 (2.4)	MAU2 (2.4)
MFAP1 (2.1)	IZUMO1 (1.9)	AGBL2 (1.9)	TMEM175 (1.9)	NAT2 (1.8)
ENSG00000179523 (3	CYP7A1 (2.9)	PLA2G6 (2.5)	KBTBD4 (2.2)	ENSG00000223522 (2
ARID1A (2.4)	SUPT7L (2.3)	SUGP1 (2.3)	GTF3C2 (2.2)	AFF1 (2.2)
HAPLN4 (2.9)	MPP2 (2.9)	MAP1A (2.6)	MAPK10 (2.5)	MADD (2.5)
CCDC18 (2.7)	PPM1G (2.4)	DHX38 (2.4)	CAD (2.4)	EIF2B4 (2.4)
DHODH (3.6)	CAD (3.6)	PTCD3 (3.2)	SLC5A6 (3.1)	EIF3J (3.1)
INTS10 (2.4)	GTF3C2 (2.2)	ENSG00000236827 (2	PLA2G6 (2.2)	BUD13 (2.1)
FADS1 (3.3)	USP1 (3.3)	CAD (3.1)	NUP160 (2.7)	DDB2 (2.6)
DOCK6 (2.9)	RASIP1 (2.8)	SFN (2.7)	DUSP3 (2.4)	SDCBP (2.4)
BLK (2.4)	GATAD2A (2.3)	MPV17 (2.3)	FRMD5 (2.2)	SIK3 (2.2)
TAGLN (2.3)	FUT1 (2.3)	EPB41L3 (2.2)	PDIA3 (2.1)	APOE (2.1)
MADD (2.3)	JMJD1C (2.3)	REEP3 (2.2)	CMIP (2.2)	FUT2 (2.0)
BCAM (2.1)	GPAM (2.0)	ABO (2.0)	FZD9 (1.9)	MLXIPL (1.9)
NAT2 (2.1)	KLF14 (2.1)	SLC22A3 (2.1)	DNAH10 (2.0)	C8orf12 (2.0)
TDH (2.4)	NR0B2 (2.3)	GATA4 (2.2)	DNAJC5G (2.1)	ENSG00000226645 (2
ARHGAP1 (2.3)	CTDSPL2 (2.2)	KHK (2.1)	CMIP (2.1)	ATG13 (1.8)
ZNF259 (2.1)	MTCH2 (2.0)	SUGP1 (2.0)	BCL3 (2.0)	EIF3J (2.0)
AMBRA1 (2.7)	ENSG00000253379 (2	FNBP4 (2.6)	ENSG00000254235 (2	ARHGAP1 (2.5)
POLR1A (3.6)	TOMM40 (3.0)	GPN1 (3.0)	GPN2 (3.0)	NUP160 (2.9)
MPP2 (2.5)	FNDC4 (2.5)	KRTCAP3 (2.2)	CYP26A1 (2.2)	C11orf9 (2.2)
MFAP1 (2.9)	ZNF512 (2.7)	MTF2 (2.7)	DR1 (2.7)	USP1 (2.6)
ARFGAP2 (2.5)	PGS1 (2.5)	MAU2 (2.5)	MFAP1 (2.3)	ZNF512 (2.2)
VEGFA (2.3)	RSPO3 (2.2)	NRBF2 (2.2)	ENSG00000182319 (2	ZNF513 (2.1)
ENSG00000236267 (2	CYP7A1 (2.1)	COBLL1 (2.1)	TXNL4B (2.0)	PMFBP1 (1.9)
CCDC18 (2.4)	HARBI1 (2.3)	AGBL2 (2.1)	USP1 (2.0)	ENSG00000257711 (1
FAM167A (2.6)	FZD9 (2.5)	ABO (2.4)	ENSG00000254235 (2	ENSG00000179523 (1
MADD (2.2)	LPAR2 (2.2)	PAFAH1B2 (2.2)	FUT1 (2.1)	GATAD2A (2.0)
MFAP1 (3.7)	BUD13 (3.6)	KBTBD4 (3.0)	MAU2 (2.8)	INTS10 (2.6)
UCN (2.0)	KLF14 (1.9)	PYY (1.9)	PTPN13 (1.9)	CTDSPL2 (1.8)
PCSK7 (2.1)	DOCK7 (2.0)	ENSG00000182329 (1	LRP4 (1.7)	PTPN13 (1.7)

OST4 (2.7)	BUD13 (2.6)	INTS10 (2.5)	FNBP4 (2.4)	MTF2 (2.1)
REEP3 (2.0)	CSGALNACT1 (1.9)	AGBL5 (1.9)	TM6SF2 (1.9)	COBLL1 (1.8)
PTPN13 (2.2)	ENSG00000235545 (2	SDCBP (2.1)	HAVCR1 (2.1)	LRP4 (2.1)
KBTBD4 (2.7)	CSGALNACT1 (2.6)	TMEM175 (2.6)	UBXN2B (2.5)	ENSG00000257711 (2
MAPRE3 (2.4)	DPYSL5 (2.3)	TP53BP1 (2.3)	IFT172 (2.2)	MAP1A (2.2)
USP1 (2.3)	TMEM101 (2.3)	BAZ1B (2.0)	PTPRJ (2.0)	CITED2 (2.0)
DNAJC5G (2.7)	FADS1 (2.7)	CYP26A1 (2.7)	RSPO3 (2.6)	FADS2 (2.5)
SFN (2.5)	KRTCAP3 (2.4)	REEP3 (2.2)	HAVCR1 (2.1)	VEGFA (2.0)
PPIP5K1 (2.4)	TSSK6 (2.3)	C11orf9 (2.3)	MAPRE3 (2.2)	HDAC5 (2.2)
PCIF1 (2.3)	MAU2 (2.3)	NSMAF (2.2)	LSM12 (2.1)	FNBP4 (2.0)
LPL (2.4)	TDH (2.3)	PPIP5K1 (2.2)	ENSG00000200241 (2	CSGALNACT1 (2.2)
CMIP (2.0)	MAPK10 (1.9)	TECTB (1.7)	ENSG00000235545 (1	PCSK7 (1.6)
DNAJC5G (2.8)	GATA4 (2.6)	IZUMO1 (2.5)	ENSG00000257711 (2	ENSG00000234945 (2
HAPLN4 (2.5)	LRP4 (2.3)	C2orf53 (2.2)	APOA5 (2.2)	NAGS (2.0)
NFE2L3 (2.1)	CETP (1.9)	ENSG00000200241 (1	TIMD4 (1.7)	BLK (1.5)
MAPRE3 (2.5)	CHMP3 (2.3)	CTSB (2.3)	TRIB1 (2.2)	MPV17 (2.2)
MTCH2 (2.2)	EIF3J (2.1)	NDUFS3 (2.1)	SUMO1 (2.0)	IMMT (1.9)
SIDT2 (2.1)	GPAM (2.0)	KLF14 (2.0)	PTPRJ (1.9)	HDAC5 (1.8)
CTDSPL2 (2.4)	TP53BP1 (2.4)	NUP160 (2.4)	PPM1G (2.2)	INTS10 (2.2)
KHK (2.3)	MLXIPL (2.0)	SUPT7L (1.9)	FRMD5 (1.9)	MTCH2 (1.8)
KHK (2.3)	MLXIPL (2.0)	SUPT7L (1.9)	FRMD5 (1.9)	MTCH2 (1.8)
MTF2 (3.3)	FEN1 (2.8)	CTDSPL2 (2.6)	NUP160 (2.4)	CKAP5 (2.4)
ENSG00000226645 (2	AFF1 (2.2)	CMIP (2.1)	CCDC92 (2.1)	BMPR2 (2.0)
FNDC4 (2.1)	ENSG00000236827 (2	NCAN (2.0)	FDFT1 (1.9)	DNAJC5G (1.9)
CAD (3.6)	EIF2B4 (3.5)	TOMM40 (3.5)	EIF3J (3.2)	DHODH (3.0)
EMILIN1 (3.5)	TDH (3.2)	CETP (3.1)	TAGLN (2.7)	HDAC5 (2.5)
SLC5A6 (2.0)	PYY (2.0)	HAVCR1 (1.6)	ENSG00000235545 (1	CLPTM1 (1.5)
NEIL2 (2.7)	TXNL4B (2.6)	C2orf28 (2.6)	DHODH (2.5)	LSM12 (2.4)
GATAD2A (2.5)	CYP26A1 (2.4)	RSPO3 (2.4)	ARID1A (2.3)	PCIF1 (2.0)
C1orf172 (2.6)	LRP4 (2.1)	COBLL1 (2.0)	ACP2 (2.0)	SLC22A3 (1.9)
RASIP1 (2.5)	BCAM (2.4)	CYP26A1 (2.3)	NR1H3 (2.1)	PVRL2 (1.9)
HAVCR1 (2.8)	ENSG00000235545 (2	ENSG00000257711 (2	UCN (1.9)	CD300LG (1.9)
UCN (2.6)	USP1 (2.5)	RFX4 (2.5)	FEN1 (2.5)	DNAJC5G (2.4)
LPAR2 (1.9)	HDAC5 (1.8)	VEGFA (1.8)	GATAD2A (1.7)	ENSG00000179523 (1
STRC (2.7)	ENSG00000234945 (2	ENSG00000255020 (2	ENSG00000253379 (2	FNDC4 (2.1)
ZNF513 (2.1)	LINC00208 (1.9)	CD300LG (1.9)	GTF3C2 (1.8)	SPG11 (1.7)
PTCD3 (3.1)	EIF3J (3.0)	NSMAF (2.7)	DHX38 (2.7)	PPM1G (2.5)
DUSP3 (1.8)	BCL7B (1.8)	ENSG00000255020 (1	CMIP (1.7)	CYP26A1 (1.6)
ATG4C (2.3)	HARBI1 (2.3)	TMEM175 (1.9)	PPIP5K1 (1.9)	KBTBD4 (1.9)
IZUMO1 (1.9)	MTMR9 (1.8)	C8orf12 (1.7)	FZD9 (1.6)	C8orf49 (1.6)
C8orf12 (2.1)	TSSK6 (2.0)	SFN (2.0)	BCAM (1.9)	BMPR2 (1.8)
BAZ1B (3.5)	SPG11 (3.4)	NUP160 (3.3)	DDB2 (3.3)	USP1 (3.2)
FRMD5 (3.2)	BCAM (3.1)	BMPR2 (2.7)	RASIP1 (2.7)	IGF2R (2.6)
ANGPTL4 (2.5)	NR1H3 (2.2)	MAPK10 (2.0)	BNC2 (2.0)	ENSG00000223745 (1
ZNF664 (2.0)	LRP4 (2.0)	IGF2R (2.0)	RFX4 (1.8)	BMPR2 (1.8)
FAM167A (2.6)	MAMSTR (2.3)	CILP2 (2.1)	LRP4 (1.9)	GALNT2 (1.8)
WDR76 (1.9)	PPM1G (1.9)	MPP3 (1.8)	ZNF513 (1.8)	RIC8B (1.8)
EIF2B4 (2.9)	IMMT (2.9)	EIF3J (2.8)	NFE2L3 (2.7)	TOMM40 (2.7)
PTPMT1 (2.7)	TMED5 (2.7)	JMJD1C (2.5)	CTDSPL2 (2.1)	C2orf28 (2.0)
GATAD2A (2.3)	STRC (2.1)	SUMO1 (1.8)	LPAR2 (1.8)	PTPRJ (1.8)

TRIB1 (2.3)	DDB2 (2.2)	IZUMO1 (2.1)	CELF1 (1.9)	CITED2 (1.9)
PPM1G (2.4)	PTCD3 (2.3)	NRBP1 (2.3)	GPAM (2.1)	CAD (2.1)
FNBP4 (3.2)	SUPT7L (3.1)	EIF2B4 (3.0)	CAD (3.0)	BMPR2 (3.0)
PTPMT1 (2.8)	OST4 (2.8)	C2orf28 (2.5)	TOMM40 (2.4)	LSM12 (2.2)
PTPMT1 (2.8)	OST4 (2.8)	C2orf28 (2.5)	TOMM40 (2.4)	LSM12 (2.2)
PCSK7 (2.6)	LPAR2 (2.5)	FUT1 (2.2)	AMBRA1 (2.1)	PTPRJ (1.9)
ARID1A (2.5)	CLPTM1 (2.3)	ENSG00000257711 (2	CITED2 (2.1)	GALNT2 (1.9)
BCL7B (3.1)	NRBP1 (2.8)	TBL2 (2.7)	ATG4C (2.5)	BNC2 (2.3)
CCDC92 (2.0)	EMILIN1 (1.9)	NCAN (1.9)	BCAM (1.9)	MPP2 (1.9)
SPG11 (2.4)	NSMAF (2.2)	ENSG00000226645 (2	RIC8B (2.1)	C17orf105 (1.9)
MTCH2 (4.6)	MRPL33 (4.4)	OST4 (3.2)	PTPMT1 (2.8)	PPIP5K1 (2.6)
JMJD1C (2.0)	PVRL2 (1.9)	ENSG00000182319 (1	ENSG00000235545 (1	C1orf172 (1.7)
FAM167A (2.5)	TOMM40 (2.0)	NSMAF (1.8)	PIGV (1.8)	MAFF (1.8)
TECTB (2.4)	CTSB (2.3)	C2orf28 (2.3)	APOE (2.3)	CCDC92 (2.1)
MFAP1 (2.7)	ZNF408 (2.6)	PCIF1 (2.5)	DR1 (2.5)	MRPL33 (2.4)
PTPN13 (2.3)	BLK (2.2)	C8orf12 (2.2)	FEN1 (2.0)	USP1 (1.8)
KBTBD4 (3.0)	MAPK10 (3.0)	C1QTNF4 (2.8)	ENSG00000255020 (2	MADD (2.5)
KLF14 (2.2)	SFN (2.1)	ENSG00000256746 (2	ENSG00000182319 (1	RSPO3 (1.9)
MPP3 (2.5)	SLC22A3 (2.5)	PPY (2.4)	ENSG00000256731 (2	DUSP3 (2.3)
CTDSPL2 (2.2)	TMED5 (2.1)	VEGFA (2.1)	IMMT (2.1)	PCSK7 (2.1)
C11orf49 (2.5)	CAD (2.3)	LPA (1.9)	C2orf16 (1.9)	RSPO3 (1.8)
ENSG00000257711 (2	ATG4C (2.3)	BCL3 (1.9)	TRIB1 (1.8)	MAMSTR (1.8)
IMMT (1.3)	KLF14 (1.3)	SLC22A3 (1.3)	TSSK6 (1.2)	RIC8B (1.2)
DPYSL5 (3.6)	PTPN13 (3.5)	LRP4 (3.1)	PLTP (2.6)	STRC (2.6)
ABHD1 (2.0)	ATG4C (1.7)	DUSP3 (1.7)	SLC22A3 (1.7)	ABCA1 (1.7)
CETP (3.2)	ZDHHC18 (2.3)	BCL3 (1.9)	MAMSTR (1.7)	FAM167A (1.5)
CGREF1 (3.5)	SLC5A6 (3.3)	HAPLN4 (2.6)	FUT2 (2.6)	ABHD1 (2.0)
LPAL2 (2.3)	ENSG00000254235 (2	PGS1 (2.1)	ENSG00000257711 (1	MTMR9 (1.9)
CAD (3.2)	CELF1 (3.2)	CTDSPL2 (3.0)	POLR1A (2.9)	MTMR9 (2.8)
EIF3J (2.9)	SPG11 (2.6)	CCDC18 (2.6)	PACSIN3 (2.6)	MFAP1 (2.6)
DNAH10 (1.9)	KHK (1.9)	AGBL2 (1.8)	FDFT1 (1.8)	ENSG00000236267 (1
PLTP (2.7)	RSPO3 (2.5)	MAPK10 (2.5)	UCN (2.4)	SLC22A3 (2.4)
ENSG00000257711 (2	MYBPC3 (2.5)	UCN (2.4)	ENSG00000222035 (2	ABO (2.2)
PLA2G6 (1.8)	SDCBP (1.8)	PLTP (1.8)	CITED2 (1.8)	PBX4 (1.7)
RSPO3 (2.0)	ACP2 (2.0)	C1orf172 (1.9)	MAMSTR (1.8)	G6PC3 (1.8)
MTMR9 (2.7)	POLR1A (2.6)	PLA2G6 (2.6)	GTF3C2 (2.6)	ATP13A1 (2.5)
DUSP3 (2.0)	C2orf16 (1.9)	HDAC5 (1.9)	ZDHHC18 (1.8)	PVRL2 (1.8)
ABO (2.1)	SUMO1 (1.9)	RIC8B (1.9)	LSM12 (1.9)	SDCBP (1.9)
ABO (2.1)	SUMO1 (1.9)	RIC8B (1.9)	LSM12 (1.9)	SDCBP (1.9)
ABO (2.1)	SUMO1 (1.9)	RIC8B (1.9)	LSM12 (1.9)	SDCBP (1.9)
FDFT1 (2.1)	SLC30A3 (2.1)	BCL7B (1.9)	BAZ1B (1.8)	MTF2 (1.7)
ENSG00000254235 (2	RFX4 (2.3)	ENSG00000236267 (2	FNDC4 (2.0)	PBX4 (1.9)
RFX4 (2.1)	AGBL5 (2.1)	DPYSL5 (2.0)	PVRL2 (1.9)	CCDC121 (1.8)
CCDC121 (2.5)	RSPO3 (2.1)	CGREF1 (2.0)	G6PC3 (2.0)	LPL (1.8)
C8orf12 (1.9)	ARID1A (1.9)	GATAD2A (1.9)	LSM12 (1.8)	TRIB1 (1.8)
PYY (2.9)	KANK2 (2.8)	GATAD2A (2.7)	SFN (2.5)	NRBP1 (1.9)
ABO (2.2)	UCN (1.9)	TP53BP1 (1.9)	ABHD1 (1.8)	REEP1 (1.8)
ENSG00000182329 (2	LPAL2 (2.1)	ENSG00000222035 (2	HDAC5 (1.8)	ENSG00000234945 (1
BCL3 (2.6)	PMFBP1 (2.5)	ENSG00000236827 (2	SUMO1 (2.4)	MLXIPL (2.4)
C11orf49 (2.9)	SPG11 (2.9)	MFAP1 (2.9)	CKAP5 (2.5)	HAVCR1 (2.4)

MRPL33 (3.5)	NDUFS3 (2.7)	IMMT (2.6)	PTCD3 (2.4)	SLC22A3 (1.9)
ZDHHC18 (2.3)	ENSG00000254235 (2	C8orf12 (2.0)	MTMR9 (1.6)	BCL3 (1.5)
ZDHHC18 (2.3)	ENSG00000254235 (2	C8orf12 (2.0)	MTMR9 (1.6)	BCL3 (1.5)
GATAD2A (1.6)	NDUFS3 (1.6)	UBXN2B (1.6)	DNAJC5G (1.5)	C2orf28 (1.5)
SUMO1 (2.2)	PCIF1 (2.1)	HDAC5 (2.1)	CLPTM1 (2.0)	SUGP1 (1.9)
ENSG00000255020 (2	ENSG00000234945 (2	REEP1 (2.4)	MLXIPL (2.3)	CYP7A1 (2.2)
GATAD2A (2.5)	EIF3J (2.4)	SUGP1 (2.4)	NOP58 (2.3)	MAU2 (2.2)
LPAR2 (2.3)	DOCK6 (2.3)	CBLC (2.3)	FAM167A (2.1)	PCSK7 (2.0)
TIMD4 (2.0)	ABO (1.9)	SIDT2 (1.9)	PVRL2 (1.8)	ENSG00000226645 (1
SUGP1 (2.5)	ENSG00000256731 (1	ENSG00000234945 (1	CCDC18 (1.9)	GPN1 (1.9)
EPB41L3 (2.1)	DOCK7 (2.0)	SIK3 (2.0)	HDAC5 (2.0)	SNX17 (1.9)
ATG13 (2.5)	ZNF512 (2.5)	HAVCR1 (2.4)	AGBL5 (2.3)	HARBI1 (2.2)
REEP1 (2.2)	SIDT2 (2.0)	BCL7B (1.9)	SUMO1 (1.9)	PAFAH1B2 (1.9)
CMIP (2.3)	BRE (2.3)	PVRL2 (2.3)	CHMP3 (2.2)	TOMM40 (2.1)
TMEM175 (2.5)	APOA4 (2.5)	CGREF1 (2.5)	ATP13A1 (2.4)	TBL2 (2.2)
BNC2 (2.4)	CITED2 (2.1)	PDIA3 (2.1)	PTPRJ (2.0)	IGF2R (2.0)
TOMM40 (2.6)	CLPTM1 (2.5)	PREB (2.3)	ZNF259 (2.1)	TMEM214 (2.1)
FNBP4 (2.9)	TP53BP1 (2.7)	MTF2 (2.6)	DR1 (2.5)	CAD (2.4)
RSPO3 (2.1)	CYP26A1 (2.1)	TMEM101 (2.0)	C8orf49 (1.8)	ENSG00000182319 (1
MTCH2 (3.0)	IMMT (2.4)	NAT2 (2.2)	C2orf28 (2.2)	PPIP5K1 (2.1)
CITED2 (1.8)	WDR76 (1.7)	REEP1 (1.6)	C11orf9 (1.6)	CYP26A1 (1.6)
FUT2 (3.6)	BCAM (3.5)	FUT1 (3.1)	CBLC (2.8)	LPAR2 (2.5)
ARID1A (2.9)	DR1 (2.8)	BAZ1B (2.1)	MFAP1 (1.9)	PCIF1 (1.9)
ARID1A (2.9)	DR1 (2.8)	BAZ1B (2.1)	MFAP1 (1.9)	PCIF1 (1.9)
TDH (2.5)	CCDC121 (2.5)	ENSG00000182319 (2	ABO (2.2)	EMILIN1 (2.0)
CKAP5 (3.2)	BAZ1B (2.7)	KANK2 (2.6)	DDB2 (2.4)	NUP160 (2.2)
KANK2 (2.6)	UCN (2.5)	REEP1 (2.2)	NAT2 (2.0)	ENSG00000223745 (1
CBLC (2.6)	SFN (2.5)	SDC1 (2.2)	SIDT2 (2.1)	BCAM (2.1)
RSPO3 (2.8)	EMILIN1 (2.4)	FAM167A (1.9)	CGREF1 (1.8)	BNC2 (1.8)
DOCK6 (2.2)	SLC30A3 (2.1)	C2orf53 (2.0)	ABCA1 (1.9)	ENSG00000222035 (1
MTCH2 (2.2)	NR0B2 (2.1)	PPY (2.0)	HARBI1 (2.0)	NDUFS3 (2.0)
GPN1 (3.2)	PTCD3 (3.0)	CKAP5 (3.0)	USP1 (3.0)	INTS10 (2.8)
MAMSTR (2.4)	BMPR2 (2.4)	GALNT2 (2.3)	KHK (2.3)	CSGALNACT1 (2.2)
MRPL35 (3.1)	NDUFS3 (3.0)	EIF3J (2.9)	TOMM40 (2.6)	PREB (2.5)
ZNF259 (2.5)	TXNL4B (2.4)	GPN2 (2.4)	MFAP1 (2.3)	MRPL33 (2.3)
ZNF259 (2.5)	TXNL4B (2.4)	GPN2 (2.4)	MFAP1 (2.3)	MRPL33 (2.3)
ZNF259 (2.5)	TXNL4B (2.4)	GPN2 (2.4)	MFAP1 (2.3)	MRPL33 (2.3)
DOCK7 (2.9)	USP1 (2.7)	TUBGCP4 (2.6)	BAZ1B (2.4)	MADD (2.2)
NEIL2 (2.8)	ENSG00000235545 (2	AGBL2 (2.5)	PLA2G6 (2.5)	PMFBP1 (2.4)
ANGPTL4 (2.0)	G6PC3 (1.9)	C11orf9 (1.9)	AFF1 (1.8)	PMFBP1 (1.5)
RFX4 (3.2)	APOC1 (2.6)	NCAN (2.6)	ENSG00000182319 (2	GPAM (2.2)
AFF1 (2.3)	BLK (2.1)	TXNL4B (1.9)	ZNF408 (1.9)	BCL7B (1.8)
ZNF335 (2.4)	ATG13 (2.3)	ZNF513 (2.2)	ATP13A1 (2.2)	HDAC5 (2.1)
AFF1 (2.3)	BUD13 (2.3)	CITED2 (2.2)	ARID1A (2.1)	TP53BP1 (2.0)
MTMR9 (2.2)	TDH (2.2)	MAPK10 (2.1)	ENSG00000255020 (2	SDCBP (1.9)
WDR76 (2.8)	DDB2 (2.7)	CCDC18 (2.5)	NOP58 (1.6)	SNX17 (1.5)
GALNT2 (2.3)	CCDC92 (2.3)	GMIP (2.1)	PAFAH1B2 (2.0)	COBLL1 (1.9)
CBLC (2.6)	BCAM (2.6)	RSPO3 (2.4)	CYP26A1 (2.3)	PTPN13 (2.3)
CSGALNACT1 (2.0)	TIMD4 (1.9)	DUSP3 (1.9)	NCAN (1.8)	SLC22A3 (1.6)
C2orf28 (2.3)	TMEM101 (2.3)	HGFAC (2.1)	PDIA3 (1.9)	NFE2L3 (1.7)

MRPL33 (3.2)	EIF2B4 (3.0)	MTCH2 (2.6)	IMMT (2.6)	MRPL35 (2.5)
FAM167A (3.1)	ENSG00000235545 (2	PBX4 (2.4)	LRP4 (2.1)	FRMD5 (1.9)
CSGALNACT1 (2.4)	UBXN2B (2.4)	TMEM175 (2.4)	GPN2 (2.2)	MFAP1 (2.2)
ENSG00000257711 (2	GMIP (2.1)	TRIB1 (1.8)	BCL3 (1.8)	DR1 (1.8)
ENSG00000235545 (2	ZDHHC18 (2.4)	HAVCR1 (2.4)	FGF21 (2.3)	GMIP (1.9)
TBL2 (4.2)	CGREF1 (3.2)	NRBP1 (3.0)	PDIA3 (2.9)	ARHGAP1 (2.7)
TIMD4 (2.3)	CETP (2.3)	BCL3 (2.1)	COBLL1 (1.8)	PTPRJ (1.6)
CCDC92 (2.4)	ENSG00000179523 (2	FUT2 (2.1)	GATAD2A (2.0)	ABO (2.0)
POLR1A (3.5)	CAD (3.5)	EIF2B4 (2.8)	GPN1 (2.8)	ZNF259 (2.8)
KANK2 (2.2)	FGF21 (2.1)	GPN1 (2.0)	TMEM175 (2.0)	MAMSTR (1.9)
FZD9 (3.0)	CYP26A1 (2.9)	SOST (2.8)	RFX4 (1.9)	TMEM101 (1.8)
ARID1A (2.4)	BAZ1B (2.3)	PAFAH1B2 (2.3)	CCDC18 (2.1)	MTF2 (2.0)
MADD (2.5)	FUT2 (2.4)	TBL2 (2.1)	CMIP (2.0)	ZDHHC18 (2.0)
AMBRA1 (2.2)	CLPTM1 (2.0)	ENSG00000223745 (2	MAU2 (2.0)	SUGP1 (1.9)
NRBF2 (3.0)	PAFAH1B2 (2.5)	GMIP (2.5)	LPAR2 (2.5)	FUT2 (2.5)
CGREF1 (2.8)	FUT2 (2.7)	HAPLN4 (2.7)	APOA4 (2.5)	C2orf53 (2.5)
USP1 (4.1)	NUP160 (3.6)	CTDSPL2 (2.6)	BAZ1B (2.6)	CAD (2.3)
NEIL2 (3.2)	GPN2 (3.2)	NOP58 (3.0)	TOMM40 (2.7)	EIF3J (2.7)
G6PC3 (2.9)	CLPTM1 (2.9)	MAPRE3 (2.9)	SNX17 (2.8)	PREB (2.8)
REEP1 (2.9)	IGF2R (2.8)	MAPRE3 (2.5)	SIDT2 (2.4)	MADD (2.3)
REEP1 (2.9)	IGF2R (2.8)	MAPRE3 (2.5)	SIDT2 (2.4)	MADD (2.3)
NOP58 (2.8)	NSMAF (2.5)	ZNF664 (2.4)	CAD (2.2)	NUP160 (2.0)
IZUMO1 (2.6)	C11orf9 (2.0)	LINC00208 (2.0)	HAVCR1 (2.0)	PBX4 (1.9)
BNC2 (2.4)	DNAJC5G (2.3)	ENSG00000255020 (2	KLF14 (2.0)	MAMSTR (1.9)
C17orf105 (2.5)	ENSG00000182329 (2	RFX4 (2.3)	C2orf53 (2.2)	DNAH10 (1.9)
TSSK6 (2.0)	ENSG00000222035 (1	HAVCR1 (1.8)	ABO (1.7)	LRP4 (1.7)
KHK (3.2)	C11orf49 (2.8)	SUMO1 (2.6)	CYP7A1 (2.5)	PPIP5K1 (2.5)
GATA4 (2.5)	UCN (2.4)	ENSG00000253379 (2	SLC30A3 (2.3)	CILP2 (2.3)
MPV17 (2.9)	APOE (2.7)	NR1H3 (2.6)	DUSP3 (2.2)	REEP1 (2.2)
FAM167A (2.2)	C19orf80 (1.9)	KLF14 (1.9)	PTPRJ (1.9)	CYP26A1 (1.7)
PPM1G (3.2)	PTCD3 (3.2)	EIF2B4 (3.1)	ATP13A1 (2.9)	MRPL35 (2.9)
DHX38 (2.4)	GMIP (2.4)	LRP4 (2.2)	BCL3 (2.2)	CSGALNACT1 (2.0)
ABO (1.6)	ENSG00000222035 (1	UCN (1.5)	TRNP1 (1.5)	TRIM54 (1.4)
GPN1 (2.9)	MFAP1 (2.9)	CKAP5 (2.8)	GPN2 (2.7)	CAD (2.6)
EIF2B4 (3.6)	PREB (3.5)	NFE2L3 (3.0)	IMMT (2.9)	NRBP1 (2.9)
PREB (2.8)	EIF2B4 (2.6)	EIF3J (2.6)	MRPL35 (2.4)	PDIA3 (2.3)
CILP2 (2.3)	STRC (2.2)	CD300LG (2.1)	ACP2 (2.0)	FNDC4 (1.9)
PPM1G (2.8)	MAU2 (2.6)	CITED2 (2.6)	BAZ1B (2.5)	AMBRA1 (2.4)
FRMD5 (2.0)	MYBPC3 (2.0)	RBKS (1.8)	RSPO3 (1.8)	CILP2 (1.8)
CSGALNACT1 (2.2)	CILP2 (1.8)	IZUMO1 (1.7)	EMILIN1 (1.7)	ENSG00000234945 (1
ZDHHC18 (2.1)	NR1H3 (2.0)	SLC22A1 (1.8)	BCL3 (1.7)	NFE2L3 (1.7)
MTCH2 (3.5)	NDUFS3 (3.0)	IMMT (2.8)	PTCD3 (2.3)	NR0B2 (2.3)
PVRL2 (2.8)	NAT2 (2.7)	GATA4 (2.2)	REEP1 (2.2)	BNC2 (2.0)
GMIP (2.8)	BCL3 (2.6)	SIK3 (2.6)	NSMAF (2.5)	LRP4 (2.3)
FRMD5 (2.2)	PCSK7 (2.1)	HDAC5 (1.9)	LRP4 (1.9)	BUD13 (1.9)
PGS1 (2.2)	ENSG00000236267 (2	BCL3 (1.9)	ZDHHC18 (1.9)	WDR76 (1.9)
GPN2 (3.1)	GPN1 (3.0)	EIF2B4 (3.0)	TOMM40 (2.8)	PTCD3 (2.6)
CGREF1 (2.9)	COBLL1 (2.5)	SIK3 (2.3)	RBKS (2.2)	RSPO3 (2.2)
MTCH2 (3.3)	IMMT (3.2)	PTCD3 (3.0)	PTPMT1 (3.0)	EIF2B4 (3.0)
MTCH2 (3.3)	IMMT (3.2)	PTCD3 (3.0)	PTPMT1 (3.0)	EIF2B4 (3.0)

HDAC5 (2.9)	VEGFA (2.8)	DUSP3 (2.8)	MPP3 (2.3)	C8orf12 (2.1)
ENSG00000256731 (1	PTPN13 (1.7)	BNC2 (1.6)	CYP26A1 (1.5)	ZNF408 (1.5)
G6PC3 (2.7)	MADD (2.5)	SPG11 (2.5)	GATAD2A (2.5)	TMEM214 (2.5)
NRBF2 (2.0)	PPIP5K1 (2.0)	HARBI1 (2.0)	ANGPTL4 (2.0)	BAZ1B (1.9)
FGF21 (2.3)	FNDC4 (2.3)	CILP2 (2.2)	C2orf16 (2.1)	ENSG00000222035 (2
CTSB (2.8)	DNAH10 (2.0)	SDC1 (2.0)	STRC (1.9)	ACP2 (1.9)
PVRL2 (2.5)	LRP4 (2.4)	PYY (2.3)	TM6SF2 (2.3)	RSPO3 (2.0)
ZNF335 (2.7)	SIK3 (2.7)	BCL7B (2.5)	CITED2 (2.4)	KBTBD4 (2.2)
NSMAF (2.1)	POLR1A (2.1)	PTCD3 (2.1)	OST4 (2.0)	ENSG00000223522 (2
PDIA3 (2.7)	ENSG00000255020 (2	NRBP1 (2.4)	PACSIN3 (2.4)	MTCH2 (2.2)
SUGP1 (2.8)	ZNF259 (2.5)	CTDSPL2 (2.4)	DR1 (2.2)	KBTBD4 (2.1)
POLR1A (3.3)	EIF3J (3.3)	NOP58 (3.0)	GPN1 (2.9)	MRPL35 (2.9)
ATG4C (2.3)	COBLL1 (2.3)	PYY (2.0)	APOE (2.0)	FADS1 (1.9)
SUMO1 (2.3)	ATG13 (2.1)	CLPTM1 (2.0)	KDM3A (2.0)	PPM1G (1.9)
KRTCAP3 (2.1)	EMILIN1 (1.7)	TAGLN (1.6)	ANGPTL4 (1.6)	ENSG00000235545 (1
CELF1 (2.3)	EPB41L3 (2.2)	TOMM40 (2.2)	MPP2 (2.1)	SDCBP (2.1)
HARBI1 (2.5)	HDAC5 (2.3)	CITED2 (2.1)	TXNL4B (2.1)	SUMO1 (2.1)
HAPLN4 (2.6)	CHMP3 (2.5)	CMIP (2.5)	RASIP1 (2.3)	TECTB (2.3)
FAM167A (2.0)	TP53BP1 (1.9)	NCAN (1.8)	C1QTNF4 (1.8)	DPYSL5 (1.6)
C1orf172 (2.1)	TIMD4 (2.1)	PVRL2 (2.0)	FUT1 (1.9)	AGBL5 (1.8)
PTCD3 (3.2)	POLR1A (3.1)	CAD (3.0)	NOP58 (2.9)	MPV17 (2.8)
GPN2 (1.8)	ARFGAP2 (1.7)	CD300LG (1.7)	ZNF664 (1.7)	BMPR2 (1.7)
DDB2 (2.9)	MAU2 (2.2)	SUGP1 (2.0)	USP1 (1.9)	TXNL4B (1.8)
FAM167A (2.4)	C8orf12 (2.4)	BNC2 (2.4)	TDH (2.3)	SDC1 (2.2)
FAM167A (2.4)	C8orf12 (2.4)	BNC2 (2.4)	TDH (2.3)	SDC1 (2.2)
MAP1A (2.7)	EPB41L3 (2.6)	ARHGAP1 (2.6)	SLC30A3 (2.3)	HDAC5 (2.3)
SNX17 (2.9)	NRBP1 (2.8)	GPN1 (2.6)	NDUFS3 (2.5)	C11orf49 (2.5)
SFN (2.3)	FUT2 (2.3)	C8orf12 (2.2)	BNC2 (2.0)	IGF2R (2.0)
GMIP (2.3)	ENSG00000222035 (2	TIMD4 (2.0)	PBX4 (1.9)	C2orf16 (1.6)
AFF1 (2.1)	CITED2 (2.0)	FNBP4 (2.0)	USP1 (2.0)	PPM1G (2.0)
AFF1 (2.1)	CITED2 (2.0)	FNBP4 (2.0)	USP1 (2.0)	PPM1G (2.0)
FEN1 (2.5)	BUD13 (2.4)	GATAD2A (2.3)	TOMM40 (2.2)	WDR76 (2.2)
NDUFS3 (3.0)	IMMT (2.6)	MRPL35 (2.4)	ENSG00000255020 (2	PREB (2.3)
PAFAH1B2 (2.2)	ZNF512 (2.1)	TIMD4 (2.0)	ARHGAP1 (2.0)	PTPRJ (1.9)
DOCK6 (2.6)	CCDC18 (2.4)	APOC1 (2.4)	KRTCAP3 (2.2)	TECTB (2.1)
APOC4 (2.5)	APOA5 (2.4)	C2orf16 (2.3)	PBX4 (2.2)	CBLC (2.1)
CD300LG (2.6)	KANK2 (2.6)	ABCA1 (2.5)	PTPRJ (2.4)	VEGFA (2.1)
SUMO1 (1.9)	GTF3C2 (1.8)	BCL3 (1.8)	GMIP (1.6)	NRBP1 (1.6)
PREB (3.0)	ATG13 (2.9)	ARHGAP1 (2.3)	NRBP1 (2.1)	DHX38 (2.1)
BCL7B (1.9)	ZDHHC18 (1.8)	LPAL2 (1.7)	CETP (1.7)	ENSG00000255020 (1
GATAD2A (2.5)	HDAC5 (2.2)	USP1 (1.8)	DHX38 (1.7)	JMJD1C (1.6)
GATAD2A (3.0)	PLA2G6 (2.8)	ZNF335 (2.6)	GPN2 (2.4)	TXNL4B (2.3)
DR1 (2.4)	TECTB (2.2)	ENSG00000223745 (2	UCN (2.2)	STRC (2.0)
DNAH10 (2.2)	ARHGAP1 (2.2)	PACSIN3 (2.2)	BCL7B (2.2)	FUT2 (2.1)
PTPMT1 (3.6)	ATG13 (3.1)	DUSP3 (2.9)	NDUFS3 (2.9)	PTCD3 (2.6)
TXNL4B (2.4)	ZNF259 (2.4)	MRPL33 (2.4)	CTDSPL2 (2.3)	GPN2 (2.3)
TXNL4B (2.4)	ZNF259 (2.4)	MRPL33 (2.4)	CTDSPL2 (2.3)	GPN2 (2.3)
TXNL4B (2.4)	ZNF259 (2.4)	MRPL33 (2.4)	CTDSPL2 (2.3)	GPN2 (2.3)
ZNF335 (2.6)	ATP13A1 (2.6)	CTDSPL2 (2.6)	MTCH2 (2.3)	TUBGCP4 (2.3)
PLA2G6 (2.4)	JMJD1C (2.2)	TRIB1 (2.1)	KDM3A (2.1)	ENSG00000253379 (2

FNDC4 (2.6)	ENSG00000256746 (2	FADS2 (2.4)	MTMR9 (2.2)	FRMD5 (2.2)
AGBL2 (2.8)	VEGFA (2.8)	CILP2 (2.8)	SDC1 (2.8)	RSPO3 (2.7)
OST4 (4.0)	MRPL35 (3.9)	MTCH2 (3.0)	PTPMT1 (2.9)	C2orf28 (2.8)
OST4 (4.0)	MRPL35 (3.9)	MTCH2 (3.0)	PTPMT1 (2.9)	C2orf28 (2.8)
BAZ1B (2.6)	BUD13 (2.6)	LSM12 (2.5)	GTF3C2 (2.5)	CELF1 (2.4)
SFN (2.3)	ENSG00000182319 (2	IGF2R (2.2)	GATAD2A (2.2)	COBLL1 (2.2)
VEGFA (2.2)	GTF3C2 (2.2)	NRBP1 (2.1)	CSGALNACT1 (2.0)	AFF1 (2.0)
HAPLN4 (2.6)	RFX4 (2.6)	MAPK10 (2.1)	MAP1A (2.0)	TMEM175 (1.9)
ABO (2.5)	KRTCAP3 (2.5)	BNC2 (2.4)	CCDC121 (2.4)	CYP26A1 (2.0)
GATA4 (3.7)	DNAH10 (3.1)	TDH (2.6)	DNAJC5G (2.4)	C11orf9 (2.3)
SUMO1 (2.2)	NSMAF (1.7)	DHX38 (1.6)	ATP13A1 (1.6)	SUGP1 (1.5)
PTCD3 (2.8)	POLR1A (2.7)	NSMAF (2.6)	DHX38 (2.5)	ZNF335 (2.5)
CHMP3 (2.6)	MAP1A (2.5)	NFE2L3 (2.4)	TMED5 (2.4)	PDIA3 (2.3)
RFX4 (2.3)	CYP26A1 (2.2)	CMIP (2.1)	ENSG00000235545 (2	MAPRE3 (2.0)
PDIA3 (2.2)	TBL2 (2.2)	CCDC121 (2.1)	RIC8B (2.1)	IFT172 (2.1)
TRIM54 (2.1)	REEP1 (2.0)	KANK2 (1.9)	ENSG00000257711 (1	ENSG00000254235 (1
ENSG00000256746 (2	AGBL2 (1.7)	SIK3 (1.4)	GALNT2 (1.3)	DDB2 (1.2)
ZDHHC18 (2.9)	MAFF (2.6)	SIK3 (1.9)	TIMD4 (1.6)	SLC22A3 (1.6)
EPB41L3 (2.8)	SDC1 (2.2)	CCDC121 (2.2)	BNC2 (2.1)	REEP3 (2.0)
TRNP1 (2.2)	TBL2 (2.1)	STRC (2.0)	LPAR2 (2.0)	TM6SF2 (2.0)
SOST (2.3)	CGREF1 (2.3)	IZUMO1 (2.2)	NAGS (1.9)	TECTB (1.8)
FUT2 (2.6)	MPV17 (2.4)	ENSG00000235545 (2	CATSPER2 (2.3)	UCN (2.2)
STRC (2.5)	HAPLN4 (2.3)	ENSG00000255020 (2	SLC22A3 (2.0)	TRNP1 (1.8)
MAU2 (2.6)	AFF1 (2.6)	GMIP (2.5)	PCSK7 (2.3)	STRC (2.3)
MRPL33 (2.7)	ENSG00000182319 (2	CHMP3 (2.1)	DOCK6 (2.1)	KANK2 (1.9)
REEP3 (2.2)	DOCK7 (2.2)	ARHGAP1 (2.2)	ENSG00000182319 (2	IMMT (1.9)
C1QTNF4 (2.5)	MAPK10 (2.4)	SLC30A3 (2.4)	ENSG00000253379 (2	APOE (2.2)
GPN2 (2.8)	SLC5A6 (2.8)	GTF3C2 (2.7)	GPN1 (2.7)	POLR1A (2.6)
EIF2B4 (2.8)	ARFGAP2 (2.8)	PREB (2.7)	TOMM40 (2.6)	MRPL35 (2.5)
ENSG00000223745 (2	C2orf53 (2.4)	ENSG00000234945 (2	C19orf80 (2.0)	DNAH10 (1.7)
EPB41L3 (2.6)	SNX17 (2.6)	NAGS (2.5)	LSM12 (2.5)	MPP3 (2.3)
DR1 (2.2)	AMBRA1 (2.0)	CELF1 (2.0)	HARBI1 (1.8)	KBTBD4 (1.8)
PCSK7 (3.3)	CGREF1 (3.2)	TBL2 (3.1)	PDIA3 (3.0)	ATG13 (2.9)
ZNF664 (2.6)	BUD13 (2.4)	CCDC18 (2.3)	CTDSPL2 (2.3)	WDR76 (2.3)
CELF1 (2.6)	CITED2 (2.4)	DUSP3 (2.3)	TRIM54 (2.1)	FADS1 (2.1)
COBLL1 (2.4)	ARHGAP1 (2.4)	GATAD2A (2.3)	ENSG00000182319 (2	IMMT (2.0)
PPM1G (2.5)	MAU2 (2.4)	IGF2R (2.4)	SUGP1 (2.3)	ZNF335 (2.2)
ENSG00000235545 (2	LINC00208 (2.1)	AFF1 (2.0)	REEP1 (2.0)	DDB2 (1.7)
MTCH2 (2.1)	KHK (2.1)	FRMD5 (1.9)	SUPT7L (1.9)	MLXIPL (1.8)
PLTP (2.0)	PVRL2 (1.9)	FZD9 (1.9)	SLC22A3 (1.9)	SDC1 (1.8)
MRPL33 (4.4)	OST4 (4.0)	MTCH2 (3.9)	C2orf28 (3.6)	PTPMT1 (2.7)
PMFBP1 (2.8)	CATSPER2 (2.7)	ENSG00000236827 (2	CETP (2.6)	IZUMO1 (2.6)
COBLL1 (2.5)	PTPN13 (2.3)	PPIP5K1 (2.2)	ENSG00000254235 (2	MAPK10 (2.0)
TMEM101 (2.7)	PIGV (2.4)	FZD9 (2.0)	PCSK7 (2.0)	ATG4C (1.9)
FZD9 (2.4)	CILP2 (2.0)	CCDC121 (2.0)	AFF1 (2.0)	RSPO3 (2.0)
G6PC3 (2.1)	TBL2 (2.1)	ACP2 (1.9)	HARBI1 (1.9)	PTPMT1 (1.8)
LINC00208 (2.5)	ACP2 (2.5)	CLPTM1 (2.5)	REEP3 (2.4)	ENSG00000254235 (2
C8orf12 (2.1)	FAM167A (2.1)	BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)
C8orf12 (2.1)	FAM167A (2.1)	BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)
C8orf12 (2.1)	FAM167A (2.1)	BMPR2 (2.1)	ABO (2.0)	BCAM (1.9)

NFE2L3 (3.4)	IMMT (3.1)	PDIA3 (3.1)	PREB (3.0)	GPN1 (3.0)
MFAP1 (2.8)	BUD13 (2.7)	DR1 (2.4)	GPN2 (2.2)	INTS10 (2.2)
TIMD4 (2.3)	ACP2 (2.0)	PYY (2.0)	ENSG00000223522 (1	SDC1 (1.7)
CYP26A1 (1.9)	C8orf49 (1.9)	LINC00208 (1.8)	IZUMO1 (1.8)	FGF21 (1.7)
ENSG00000235545 (2	BLK (2.1)	CETP (2.1)	ENSG00000179523 (2	PGS1 (1.9)
C1QTNF4 (2.7)	NCAN (2.7)	CCDC92 (2.5)	MADD (2.5)	HAPLN4 (2.5)
MADD (2.8)	GMIP (2.4)	SIDT2 (2.2)	RFX4 (2.1)	BUD13 (2.1)
IMMT (2.6)	GPN1 (2.5)	EIF2B4 (2.4)	POLR1A (2.2)	TP53BP1 (2.0)
GATAD2A (2.4)	BMPR2 (2.4)	NFE2L3 (2.3)	RSPO3 (2.3)	JMJD1C (2.1)
SIDT2 (2.4)	NRBF2 (2.2)	DR1 (2.2)	ENSG00000223522 (2	SFN (1.9)
LSM12 (2.1)	INTS10 (2.0)	ENSG00000234945 (2	KANK2 (1.8)	IFT172 (1.8)
MAU2 (2.2)	SUPT7L (2.1)	LPAL2 (1.9)	CASC4 (1.9)	PMFBP1 (1.8)
SFN (1.8)	CATSPER2 (1.7)	ENSG00000179523 (1	CYP7A1 (1.7)	BRE (1.6)
ZDHHC18 (2.2)	ENSG00000254235 (2	MTMR9 (1.9)	C8orf12 (1.7)	GMIP (1.6)
LSM12 (3.6)	INTS10 (3.1)	TOMM40 (3.0)	NOP58 (2.7)	GPN1 (2.6)
PVRL2 (2.4)	SLC22A3 (2.3)	GMIP (2.3)	ARFGAP2 (2.3)	ZDHHC18 (2.2)
SOST (2.0)	NFE2L3 (2.0)	MAPRE3 (1.9)	CD300LG (1.9)	ZNF513 (1.8)
NCAN (2.2)	JMJD1C (2.2)	PTPRJ (2.1)	GATAD2A (2.0)	DOCK6 (2.0)
RSPO3 (1.8)	ENSG00000255020 (1	C2orf16 (1.7)	DOCK7 (1.7)	ACP2 (1.6)
RSPO3 (1.8)	ENSG00000255020 (1	C2orf16 (1.7)	DOCK7 (1.7)	ACP2 (1.6)
CCDC92 (2.4)	SIDT2 (2.2)	TMED5 (2.1)	AGBL2 (2.1)	ENSG00000223522 (1
MPP3 (3.1)	SPG11 (2.7)	MAP1A (2.5)	JMJD1C (2.3)	BMPR2 (2.3)
NCAN (2.7)	FAM167A (2.3)	PACSIN3 (2.2)	MTF2 (2.0)	CSGALNACT1 (2.0)
CYP26A1 (2.6)	C11orf9 (2.6)	RSPO3 (2.5)	FNDC4 (2.3)	TMEM101 (2.1)
KANK2 (2.3)	PTPN13 (2.3)	RSPO3 (2.2)	DNAJC5G (2.0)	C1QTNF4 (1.9)
UCN (2.0)	NCAN (2.0)	CCDC121 (2.0)	RASIP1 (1.9)	MAPK10 (1.9)
ENSG00000200241 (2	FUT2 (2.2)	TECTB (2.1)	GTF3C2 (2.1)	CTDSPL2 (2.0)
GALNT2 (2.4)	PDIA3 (2.2)	PVRL2 (2.0)	ZDHHC18 (1.8)	GMIP (1.7)
ABO (1.9)	ENSG00000255020 (1	HAVCR1 (1.7)	TMEM101 (1.7)	C8orf49 (1.6)
HAPLN4 (2.1)	AMBRA1 (2.0)	AFF1 (2.0)	RFX4 (1.9)	ATP13A1 (1.9)
NDUFS3 (3.1)	EIF3J (3.0)	MRPL35 (2.9)	GPN1 (2.9)	NFE2L3 (2.9)
OST4 (2.9)	SUGP1 (2.7)	EIF2B4 (2.7)	SUMO1 (2.5)	ZNF408 (2.4)
TRIM54 (3.2)	PACSIN3 (3.1)	FDFT1 (3.1)	FGF21 (3.0)	FADS2 (2.5)
C2orf28 (3.3)	PTPMT1 (3.1)	MTCH2 (3.0)	MRPL35 (2.8)	IMMT (2.7)
C2orf28 (3.3)	PTPMT1 (3.1)	MTCH2 (3.0)	MRPL35 (2.8)	IMMT (2.7)
EIF3J (2.7)	NEIL2 (2.6)	ZNF408 (2.5)	ENSG00000226645 (2	POLR1A (2.4)
ENSG00000182319 (2	BMPR2 (2.4)	ABO (2.4)	SDC1 (2.3)	CCDC121 (2.1)
EPB41L3 (2.1)	PPM1G (2.0)	REEP3 (1.9)	DDB2 (1.8)	PAFAH1B2 (1.8)
EMILIN1 (2.1)	SOST (2.0)	LINC00208 (2.0)	TAGLN (1.9)	DNAJC5G (1.7)
CKAP5 (3.0)	USP1 (2.7)	ZNF335 (2.6)	ZNF408 (2.6)	ZNF512 (2.2)
NAT2 (3.1)	SLC22A3 (3.1)	APOC3 (2.6)	KLF14 (2.0)	PMFBP1 (1.9)
MFAP1 (3.3)	SUGP1 (3.2)	MTF2 (3.2)	PCIF1 (2.6)	ZNF512 (2.6)
CASC4 (2.6)	REEP3 (2.5)	CTSB (2.5)	ACP2 (2.4)	GALNT2 (2.2)
C2orf53 (2.2)	CMIP (2.2)	ENSG00000222035 (2	TSSK6 (2.0)	HDAC5 (2.0)
CCDC92 (1.8)	ENSG00000255020 (1	EPB41L3 (1.7)	TM6SF2 (1.6)	ENSG00000179523 (1
BCL7B (3.0)	CHMP3 (2.8)	MADD (2.5)	NRBF2 (2.5)	PREB (2.4)
GMIP (2.3)	DNAH10 (2.2)	ZDHHC18 (2.2)	ATG4C (2.2)	STRC (2.2)
HARBI1 (3.1)	EIF3J (2.8)	ZNF259 (2.7)	PTPMT1 (2.5)	TOMM40 (2.4)
TMEM214 (3.3)	PIGV (3.3)	ATG4C (3.2)	PCSK7 (3.0)	MPV17 (3.0)
CTDSPL2 (3.0)	POLR1A (2.9)	GTF3C2 (2.9)	IMMT (2.8)	GPN1 (2.8)

ARID1A (2.5)	CMIP (2.0)	JMJD1C (2.0)	FADS2 (1.9)	TRIM54 (1.9)
TMEM214 (3.8)	C2orf28 (3.1)	TBL2 (3.0)	TMEM101 (2.5)	ATP13A1 (2.5)
CLPTM1 (2.6)	MAPRE3 (2.5)	BRE (2.5)	ACP2 (2.4)	GATAD2A (2.2)
ENSG00000182319 (2	BCAM (2.2)	LRP4 (2.2)	KANK2 (2.1)	RSPO3 (2.0)
NEIL2 (2.7)	BNC2 (2.5)	INTS10 (2.4)	SLC5A6 (2.3)	GPN2 (2.1)
NSMAF (2.0)	UCN (1.8)	UBXN2B (1.7)	DPYSL5 (1.6)	PGS1 (1.5)
ABO (2.4)	ENSG00000234945 (2	C1orf172 (2.2)	SOST (2.0)	BNC2 (1.9)
ZNF335 (2.5)	NOP58 (2.3)	NSMAF (2.2)	GTF3C2 (2.2)	GPN2 (2.2)
LSM12 (2.5)	ZNF408 (2.3)	PCIF1 (2.3)	BUD13 (2.2)	ENSG00000179523 (2
PPM1G (2.6)	NRBP1 (2.4)	ZNF335 (2.2)	JMJD1C (2.2)	GPN2 (2.1)
LPAR2 (2.3)	BCL3 (2.3)	PIGV (2.1)	EMILIN1 (2.0)	ZNF513 (1.9)
FNBP4 (2.0)	NSMAF (1.9)	ENSG00000223522 (1	NFE2L3 (1.5)	MAMSTR (1.4)
NOP58 (1.9)	SUMO1 (1.8)	ENSG00000236267 (1	DPYSL5 (1.8)	NSMAF (1.7)
CELF1 (2.5)	BRE (2.5)	PPM1G (2.5)	SUPT7L (2.3)	PTPRJ (2.0)
LRP4 (2.7)	KLF14 (2.3)	MLXIPL (2.1)	STRC (2.1)	TRNP1 (2.0)
ENSG00000236827 (2	KANK2 (2.0)	CYP26A1 (1.9)	SLC30A3 (1.6)	UCN (1.5)
ACP2 (2.3)	PIGV (1.9)	ATG13 (1.7)	TBL2 (1.6)	C2orf53 (1.6)
GATAD2A (2.1)	NRBP1 (2.1)	CGREF1 (2.0)	LPAR2 (2.0)	ZDHHC18 (1.9)
CCDC18 (2.5)	UBXN2B (2.3)	MAMSTR (2.3)	FGF21 (2.3)	PGS1 (2.3)
TXNL4B (2.4)	CHMP3 (2.0)	ACP2 (2.0)	FEN1 (1.9)	FADS2 (1.8)
TAGLN (2.3)	BNC2 (2.0)	PTPN13 (2.0)	MPP2 (2.0)	TMEM101 (1.8)
CTDSPL2 (3.9)	USP1 (3.6)	BAZ1B (2.6)	PPM1G (2.3)	NUP160 (2.3)
RFX4 (3.3)	PTPN13 (2.8)	DHODH (2.7)	MAP1A (2.4)	MAPK10 (2.3)
LSM12 (2.5)	NRBF2 (2.5)	ENSG00000222035 (2	ZNF513 (2.3)	KDM3A (2.2)
CELF1 (2.0)	REEP1 (1.8)	NUP160 (1.8)	MLXIPL (1.8)	NR0B2 (1.8)
GPN2 (3.0)	CKAP5 (2.9)	BUD13 (2.7)	CAD (2.7)	EIF3J (2.7)
ATP13A1 (2.5)	PTPMT1 (2.5)	TUBGCP4 (2.3)	DHODH (2.2)	EIF2B4 (2.2)
DNAH10 (2.6)	SLC22A1 (2.4)	FAM167A (2.3)	SOST (2.2)	HAVCR1 (2.2)
FAM167A (2.2)	C8orf12 (2.2)	BCAM (2.1)	BMPR2 (2.0)	ABO (2.0)
FAM167A (2.2)	C8orf12 (2.2)	BCAM (2.1)	BMPR2 (2.0)	ABO (2.0)
KDM3A (2.4)	ZNF512 (2.3)	KBTBD4 (2.3)	CASC4 (1.9)	CCDC18 (1.8)
DR1 (2.8)	CITED2 (2.2)	MTF2 (2.2)	CTDSPL2 (2.0)	VEGFA (2.0)
ENSG00000253379 (2	TRNP1 (2.5)	NR0B2 (2.5)	LRP4 (2.1)	AFF1 (2.0)
KLF14 (2.4)	NEIL2 (2.2)	RSPO3 (2.1)	EPB41L3 (2.1)	DPYSL5 (2.0)
DPYSL5 (2.2)	ENSG00000234945 (2	ENSG00000253379 (2	TP53BP1 (1.7)	ENSG00000226645 (1
TSSK6 (1.9)	MAFF (1.9)	GPN1 (1.8)	CITED2 (1.8)	LINC00208 (1.7)
PTPRJ (3.2)	HAVCR1 (2.1)	PVRL2 (2.1)	FNBP4 (2.0)	HDAC5 (1.7)
NFE2L3 (2.5)	RSPO3 (2.5)	DPYSL5 (2.5)	SDC1 (2.4)	C11orf9 (2.4)
TMEM175 (2.5)	DPYSL5 (2.4)	G6PC3 (2.3)	MAPRE3 (2.2)	TRNP1 (2.1)
UBXN2B (2.4)	NCAN (2.4)	BRE (2.3)	HDAC5 (2.2)	CHMP3 (2.2)
C8orf12 (2.6)	KRTCAP3 (2.2)	ENSG00000256731 (2	ENSG00000257711 (2	CCDC121 (2.1)
EIF2B4 (3.3)	EIF3J (3.3)	GPN1 (3.0)	SUGP1 (2.9)	TOMM40 (2.7)
C11orf9 (2.3)	KLF14 (2.2)	CASC4 (2.1)	LPAR2 (2.1)	FNDC4 (2.1)
CCDC121 (2.2)	FZD9 (2.1)	KRTCAP3 (1.9)	FGF21 (1.8)	BMPR2 (1.7)
ZNF664 (2.2)	ENSG00000182319 (2	ENSG00000200241 (2	REEP1 (2.2)	RIC8B (2.0)
MRPL33 (2.3)	MAU2 (2.1)	GATAD2A (2.0)	FNBP4 (1.9)	LSM12 (1.9)
PCSK7 (2.1)	GATAD2A (2.1)	NRBP1 (2.0)	SNX17 (1.9)	DHX38 (1.9)
MRPL35 (2.7)	NDUFS3 (2.5)	ENSG00000200241 (2	MLXIPL (2.3)	FDFT1 (2.3)
C1QTNF4 (2.0)	REEP3 (2.0)	NAGS (1.9)	ABHD1 (1.9)	CASC4 (1.9)
CMIP (2.0)	APOA4 (1.9)	DOCK6 (1.9)	PYY (1.9)	NAT2 (1.7)

CKAP5 (3.5)	DDB2 (3.3)	BAZ1B (2.4)	AGBL5 (2.1)	CCDC18 (2.0)
MLXIPL (2.8)	REEP1 (2.7)	ANGPTL4 (2.6)	ENSG00000253379 (2	LPL (2.1)
C11orf9 (2.7)	NR0B2 (2.6)	APOB (2.5)	APOA1 (2.5)	GATA4 (2.4)
BAZ1B (2.7)	KBTBD4 (2.6)	PCIF1 (2.5)	PIGV (2.5)	DHODH (2.5)
MAFF (2.2)	PIGV (2.2)	NFE2L3 (2.0)	ENSG00000226645 (1	BRE (1.7)
INTS10 (2.8)	NRBF2 (2.8)	DR1 (2.8)	MRPL33 (2.6)	ENSG00000179523 (2
KRTCAP3 (1.8)	UCN (1.7)	GALNT2 (1.6)	AGBL2 (1.6)	ZNF664 (1.6)
GATAD2A (3.1)	SDCBP (2.8)	PTPRJ (2.7)	BCL7B (2.3)	ZDHHC18 (2.3)
FRMD5 (2.9)	IZUMO1 (2.4)	FUT1 (2.4)	LPAL2 (2.3)	IGF2R (2.3)
PDIA3 (2.1)	BCAM (2.1)	FUT2 (2.0)	CETP (2.0)	C11orf9 (2.0)
HARBI1 (2.6)	LPL (2.4)	APOE (2.4)	BNC2 (2.1)	ATG4C (2.0)
PLA2G6 (2.3)	ARID1A (2.1)	CITED2 (2.0)	DDB2 (2.0)	CMIP (1.9)
ATP13A1 (2.7)	TMEM214 (2.5)	FNBP4 (2.5)	CAD (2.5)	ENSG00000200241 (2
NEIL2 (2.1)	EPB41L3 (2.1)	ENSG00000235545 (2	AGBL5 (1.8)	KDM3A (1.8)
CKAP5 (3.6)	BAZ1B (3.4)	CTDSPL2 (2.8)	ARID1A (2.7)	PPM1G (2.6)
HAVCR1 (2.2)	CTDSPL2 (2.2)	C2orf53 (2.1)	REEP1 (2.0)	FEN1 (2.0)
MFAP1 (3.2)	ZNF408 (3.0)	SUGP1 (3.0)	NOP58 (3.0)	INTS10 (2.9)
SDC1 (2.1)	RFX4 (2.1)	ABHD1 (2.0)	SFN (2.0)	DPYSL5 (2.0)
MAFF (2.3)	CHMP3 (2.2)	CLPTM1 (2.1)	PAFAH1B2 (2.1)	DUSP3 (2.0)
ANGPTL4 (2.4)	CETP (2.3)	GCKR (2.0)	ENSG00000222035 (2	SLC30A3 (1.9)
PPM1G (2.6)	SNX17 (2.4)	MTCH2 (2.4)	PDIA3 (2.1)	ARFGAP2 (2.1)
CCDC92 (2.1)	VEGFA (2.0)	NCAN (1.9)	CITED2 (1.8)	CHMP3 (1.8)
DOCK6 (2.4)	ENSG00000226645 (2	ZNF513 (2.1)	C1orf172 (2.1)	CD300LG (2.0)
NOP58 (3.1)	PTCD3 (2.9)	GPN2 (2.8)	BUD13 (2.6)	CAD (2.5)
BRE (2.7)	SDCBP (2.7)	ZNF513 (2.6)	NRBP1 (2.6)	ARHGAP1 (2.4)
AGBL2 (2.7)	TRIB1 (2.7)	ZNF408 (2.6)	MAPRE3 (2.6)	ATG13 (2.5)
AMBRA1 (1.9)	HARBI1 (1.8)	ENSG00000257711 (1	NEIL2 (1.6)	AFF1 (1.6)
SDC1 (2.2)	DNAJC5G (2.2)	ENSG00000182319 (2	C1orf172 (1.9)	FZD9 (1.8)
BCL3 (3.0)	CITED2 (2.6)	FUT1 (2.5)	DUSP3 (2.4)	ZDHHC18 (2.1)
CBLC (2.5)	CTDSPL2 (2.4)	PLA2G6 (2.4)	TUBGCP4 (2.3)	DR1 (2.2)
MAPK10 (2.3)	FRMD5 (1.9)	ABO (1.8)	ENSG00000257711 (1	FUT2 (1.8)
CITED2 (2.5)	BUD13 (2.3)	BCL7B (2.3)	PPM1G (2.1)	LSM12 (2.1)
MAP1A (2.1)	FNDC4 (2.0)	FRMD5 (1.9)	C11orf9 (1.9)	BMPR2 (1.8)
MAMSTR (3.2)	BAZ1B (2.9)	NUP160 (1.9)	GATAD2A (1.8)	DDB2 (1.8)
NOP58 (2.3)	PPM1G (2.3)	BAZ1B (2.3)	ENSG00000223745 (2	IMMT (2.3)
GATA4 (3.4)	PACSIN3 (2.7)	LPL (2.7)	RASIP1 (2.1)	NR0B2 (2.0)
RASIP1 (2.1)	KRTCAP3 (2.1)	AGBL2 (1.9)	ANGPTL4 (1.9)	TIMD4 (1.8)
FNBP4 (2.2)	SUGP1 (2.1)	DHODH (2.0)	TMEM101 (2.0)	GPN1 (2.0)
TOMM40 (2.4)	PPM1G (2.3)	CHMP3 (2.2)	PAFAH1B2 (2.1)	ZNF259 (2.1)
AGBL5 (2.3)	ENSG00000235545 (2	LSM12 (2.2)	ATG4C (2.1)	ENSG00000182319 (2
IZUMO1 (2.3)	PBX4 (2.2)	SDC1 (2.0)	LPAR2 (2.0)	ENSG00000253379 (1
RIC8B (2.3)	TRIM54 (2.3)	ENSG00000223745 (2	REEP1 (2.0)	EMILIN1 (1.9)
SDCBP (2.6)	KANK2 (2.6)	TRNP1 (2.4)	HAVCR1 (2.1)	REEP3 (1.9)
GPAM (2.6)	FDFT1 (2.5)	FADS1 (2.5)	RBKS (2.5)	BRE (2.4)
VEGFA (2.2)	OST4 (2.2)	CITED2 (1.8)	FUT2 (1.8)	MRPL35 (1.6)
ZDHHC18 (2.1)	CCDC92 (2.1)	CYP26A1 (1.9)	ZNF335 (1.9)	ENSG00000255020 (1
SUMO1 (2.0)	FNBP4 (1.8)	SNX17 (1.7)	PPM1G (1.7)	GATAD2A (1.7)
ZNF335 (2.8)	BAZ1B (2.7)	LSM12 (2.6)	TRIB1 (2.6)	CELF1 (2.6)
ARID1A (2.7)	HDAC5 (2.0)	MFAP1 (2.0)	TDH (1.9)	ZNF664 (1.8)
NFE2L3 (2.9)	TIMD4 (2.6)	PVRL2 (2.6)	PYY (2.5)	C8orf12 (2.1)

COBLL1 (2.0)	SNX17 (1.9)	ENSG00000254235 (1	STRC (1.8)	NEIL2 (1.8)
PIGV (2.3)	LSM12 (2.3)	IMMT (2.2)	NFE2L3 (2.0)	MTCH2 (1.9)
MPV17 (2.7)	CHMP3 (2.5)	SNX17 (2.5)	SDCBP (2.4)	NRBP1 (2.3)
ARFGAP2 (3.2)	NRBP1 (3.0)	PDIA3 (2.9)	HARBI1 (2.9)	IMMT (2.7)
ARFGAP2 (3.2)	NRBP1 (3.0)	PDIA3 (2.9)	HARBI1 (2.9)	IMMT (2.7)
ZNF512 (2.8)	DDB2 (2.8)	NUP160 (2.7)	SNX17 (2.6)	BAZ1B (2.5)
ENSG00000236267 (2	KLF14 (2.2)	ENSG00000223745 (2	FZD9 (2.0)	ENSG00000257711 (1
FRMD5 (3.5)	GATA4 (3.1)	CHMP3 (2.3)	PLTP (2.2)	AFF1 (2.1)
CYP26A1 (2.9)	LRP4 (2.6)	FUT2 (2.4)	STRC (2.3)	FGF21 (2.2)
ZNF512 (1.9)	C2orf16 (1.9)	ENSG00000256746 (1	DNAJC5G (1.9)	C1QTNF4 (1.8)
ENSG00000223522 (2	UCN (2.2)	MRPL33 (2.0)	ABCA1 (1.9)	NOP58 (1.9)
MTCH2 (3.6)	PREB (3.5)	SNX17 (3.2)	PPM1G (3.1)	NDUFS3 (3.0)
PDIA3 (2.4)	PPM1G (2.4)	NUP160 (2.3)	TOMM40 (2.2)	GATAD2A (2.1)
HDAC5 (2.8)	CCDC92 (2.6)	PACSIN3 (2.5)	TRIM54 (2.5)	DOCK6 (2.1)
DUSP3 (2.7)	TP53BP1 (2.7)	ZNF259 (2.6)	SUPT7L (2.6)	ENSG00000226645 (2
NUP160 (2.3)	GATAD2A (2.2)	TOMM40 (2.1)	OST4 (2.1)	CMIP (2.1)
C2orf16 (2.5)	LRP4 (2.3)	AMBRA1 (2.1)	CYP26A1 (2.0)	SLC22A3 (2.0)
ARHGAP1 (2.8)	C1orf172 (2.7)	SDC1 (2.4)	NRBP1 (2.2)	MAFF (2.1)
C2orf28 (4.4)	REEP3 (3.0)	PTPMT1 (2.8)	G6PC3 (2.5)	TMEM214 (2.4)
BRE (2.3)	MAFF (2.3)	CMIP (2.1)	DHODH (2.0)	MPV17 (1.9)
ENSG00000236827 (2	C2orf16 (2.0)	BCAM (2.0)	RSPO3 (1.9)	FAM167A (1.8)
ENSG00000236827 (2	C2orf16 (2.0)	BCAM (2.0)	RSPO3 (1.9)	FAM167A (1.8)
MAFF (2.6)	PACSIN3 (2.4)	PREB (2.3)	AGBL2 (2.2)	MAMSTR (2.1)
SOST (2.2)	BCAM (2.1)	HAVCR1 (2.1)	RSPO3 (2.1)	EMILIN1 (1.9)
AFF1 (2.2)	ATG13 (2.2)	PCSK7 (1.9)	ZNF513 (1.9)	SIDT2 (1.9)
VEGFA (2.2)	ENSG00000223745 (2	CELF1 (1.9)	GATAD2A (1.8)	FUT1 (1.8)
ENSG00000226645 (2	ZDHHC18 (2.5)	MADD (2.4)	ZNF513 (2.3)	SIK3 (2.2)
PTPRJ (1.9)	ATG4C (1.8)	GMIP (1.8)	MAU2 (1.6)	AGBL2 (1.6)
ZNF664 (2.1)	MAPRE3 (2.1)	PBX4 (1.9)	DDB2 (1.8)	MAMSTR (1.8)
ANGPTL4 (2.5)	PACSIN3 (2.1)	CCDC121 (2.0)	VEGFA (2.0)	TRIM54 (2.0)
CKAP5 (2.9)	SUGP1 (2.8)	PPM1G (2.8)	BUD13 (2.6)	MFAP1 (2.4)
CAD (3.3)	POLR1A (3.0)	DHX38 (2.7)	DHODH (2.5)	PTCD3 (2.5)
ATG4C (2.4)	ENSG00000222035 (1	ARFGAP2 (1.9)	C2orf16 (1.9)	ENSG00000256746 (1
FUT2 (2.1)	LPAR2 (1.9)	MAMSTR (1.9)	FUT1 (1.9)	ENSG00000253379 (1
INTS10 (2.8)	PTCD3 (2.7)	GPN1 (2.6)	USP1 (2.5)	CELF1 (2.5)
MTMR9 (2.1)	TECTB (2.0)	ENSG00000257711 (2	PIGV (1.9)	PCSK7 (1.8)
VEGFA (2.7)	KDM3A (2.7)	NR1H3 (2.5)	SOST (2.3)	CATSPER2 (2.2)
CYP26A1 (2.8)	ENSG00000254235 (2	CSGALNACT1 (2.4)	SDC1 (2.4)	ENSG00000226645 (2
ZNF408 (2.3)	BCL3 (2.2)	ATG13 (2.0)	NRBF2 (2.0)	HDAC5 (1.7)
ENSG00000255020 (3	ENSG00000256746 (2	FAM167A (2.8)	ENSG00000257711 (2	CYP26A1 (2.6)
CD300LG (2.4)	TUBGCP4 (2.4)	ENSG00000255020 (2	CTDSPL2 (2.2)	EIF3J (2.1)
USP1 (3.0)	MTF2 (2.9)	CAD (2.7)	AGBL5 (2.6)	BAZ1B (2.3)
MAP1A (2.3)	C1QTNF4 (2.2)	MAPK10 (2.1)	CATSPER2 (2.1)	CYP7A1 (1.9)
ATP13A1 (1.6)	ENSG00000236267 (1	CBLC (1.5)	DNAH10 (1.5)	NSMAF (1.5)
HAPLN4 (3.1)	SLC5A6 (3.0)	CGREF1 (2.9)	NCAN (2.2)	ANGPTL3 (2.1)
PAFAH1B2 (3.0)	DPYSL5 (2.5)	C11orf49 (2.5)	REEP1 (2.4)	MPP2 (2.3)
HAPLN4 (2.0)	SLC30A3 (2.0)	BUD13 (1.9)	HDAC5 (1.8)	C11orf49 (1.7)
PVRL2 (2.5)	ENSG00000222035 (2	DDB2 (2.2)	PPY (1.9)	PBX4 (1.9)
C1QTNF4 (2.2)	DR1 (2.1)	AFF1 (2.0)	MTMR9 (1.9)	TBL2 (1.9)
DHODH (3.3)	ZNF259 (3.2)	NUP160 (3.1)	SUGP1 (2.8)	PTCD3 (2.8)

FNBP4 (2.2)	CHMP3 (1.9)	GMIP (1.9)	MAFF (1.8)	SLC30A3 (1.8)
CITED2 (2.1)	BAZ1B (2.1)	RIC8B (2.1)	NUP160 (1.7)	DOCK7 (1.7)
GATAD2A (2.6)	CETP (2.1)	LINC00208 (1.8)	PLTP (1.7)	PPM1G (1.7)
MTF2 (3.0)	USP1 (3.0)	GATAD2A (2.5)	CELF1 (2.5)	PCIF1 (2.3)
MTCH2 (2.2)	SUMO1 (2.1)	PPM1G (1.9)	EIF2B4 (1.9)	SUGP1 (1.7)
CCDC92 (2.3)	CETP (2.0)	TIMD4 (1.9)	IGF2R (1.7)	SNX17 (1.6)
ABO (2.5)	CCDC92 (2.5)	CITED2 (2.3)	SLC22A3 (2.0)	MAPK10 (2.0)
PBX4 (2.4)	PCSK7 (2.3)	TIMD4 (2.1)	SLC22A3 (2.0)	CETP (1.7)
EPB41L3 (2.4)	FUT1 (2.3)	C2orf16 (2.3)	CD300LG (2.0)	LRP4 (2.0)
SUPT7L (2.4)	TM6SF2 (2.3)	MPV17 (2.1)	PMFBP1 (2.0)	KHK (2.0)
BMPR2 (1.9)	HDAC5 (1.8)	FUT1 (1.7)	SIK3 (1.7)	EMILIN1 (1.6)
KBTBD4 (3.5)	CTDSPL2 (3.1)	ZNF408 (3.1)	PCIF1 (3.1)	ENSG00000200241 (3
DNAJC5G (2.1)	DUSP3 (2.0)	ENSG00000235545 (1	ENSG00000253379 (1	KLF14 (1.8)
STRC (1.9)	ENSG00000256731 (1	LINC00208 (1.8)	C2orf53 (1.7)	DNAJC5G (1.7)
MTF2 (2.9)	TXNL4B (2.7)	GTF3C2 (2.6)	JMJD1C (2.6)	LSM12 (2.6)
IGF2R (2.9)	PTPN13 (2.8)	JMJD1C (2.7)	CILP2 (2.4)	KANK2 (2.3)
BUD13 (2.7)	MADD (2.2)	FNBP4 (2.2)	SIDT2 (2.1)	SOST (2.0)
MRPL33 (2.6)	MTMR9 (2.5)	GPN2 (2.2)	INTS10 (2.1)	GTF3C2 (2.1)
TDH (2.4)	CETP (2.3)	NFE2L3 (2.1)	LINC00208 (2.0)	COBLL1 (1.8)
FUT1 (2.5)	GMIP (2.4)	NSMAF (2.1)	MADD (2.0)	CMIP (1.9)
ACP2 (2.3)	RFX4 (2.3)	KRTCAP3 (2.2)	GTF3C2 (2.1)	BCAM (2.1)
GALNT2 (1.7)	ENSG00000223522 (1	CBLC (1.5)	UCN (1.5)	TDH (1.5)
PIGV (2.1)	AGBL2 (2.0)	RBKS (2.0)	ZNF513 (1.9)	ENSG00000254235 (1
USP1 (3.4)	TDH (2.8)	MAFF (2.6)	CITED2 (2.3)	PPM1G (2.2)
CELF1 (2.4)	DR1 (2.4)	RIC8B (2.3)	MAU2 (2.3)	C17orf105 (2.3)
DHX38 (2.3)	MTMR9 (2.2)	TXNL4B (2.1)	ENSG00000235545 (2	BNC2 (1.7)
RASIP1 (2.7)	DUSP3 (2.5)	DOCK6 (2.4)	SFN (2.3)	TM6SF2 (2.0)
PTPRJ (2.2)	SIK3 (2.1)	SNX17 (2.1)	CMIP (2.1)	ZDHHC18 (2.0)
PBX4 (2.3)	ENSG00000222035 (2	BLK (2.1)	ENSG00000234945 (2	ENSG00000236827 (2
TAGLN (2.8)	CGREF1 (2.5)	CASC4 (2.5)	FZD9 (2.3)	SOST (2.1)
TAGLN (2.8)	CGREF1 (2.5)	CASC4 (2.5)	FZD9 (2.3)	SOST (2.1)
PBX4 (2.9)	ZDHHC18 (2.8)	DDB2 (2.6)	ACP2 (2.4)	NFE2L3 (2.4)
MRPL33 (2.9)	EIF3J (2.6)	SUGP1 (2.1)	DR1 (2.1)	ZNF259 (2.0)
ENSG00000182319 (2	MPP3 (2.0)	ENSG00000223745 (2	PPIP5K1 (2.0)	MAPRE3 (1.9)
NRBF2 (2.3)	MAMSTR (2.2)	CSGALNACT1 (2.2)	ENSG00000182319 (2	NSMAF (2.0)
REEP1 (2.4)	ENSG00000256731 (2	MAPK10 (2.3)	KLF14 (2.1)	ZDHHC18 (2.1)
C2orf28 (3.5)	PIGV (3.4)	ATP13A1 (3.2)	BRE (2.7)	MPV17 (2.5)
MFAP1 (3.1)	SUGP1 (3.1)	DHX38 (2.9)	NOP58 (2.8)	ZNF408 (2.7)
MFAP1 (3.1)	SUGP1 (3.1)	DHX38 (2.9)	NOP58 (2.8)	ZNF408 (2.7)
AFF1 (1.6)	CITED2 (1.5)	ENSG00000222035 (1	USP1 (1.5)	RIC8B (1.4)
CELF1 (2.5)	GATAD2A (2.0)	C1QTNF4 (1.9)	SDCBP (1.9)	MAP1A (1.9)
ENSG00000182329 (2	RASIP1 (2.3)	CSGALNACT1 (2.1)	CMIP (1.9)	ARHGAP1 (1.8)
LPL (2.4)	DOCK7 (2.3)	PLTP (2.0)	MPP3 (2.0)	PTPN13 (1.9)
GPAM (1.9)	PMFBP1 (1.9)	APOE (1.9)	MPP2 (1.8)	NCAN (1.8)
SUPT7L (2.9)	SLC5A6 (2.7)	MLXIPL (2.5)	IMMT (2.4)	CD300LG (2.1)
DHX38 (3.4)	PCIF1 (3.4)	ZNF408 (3.3)	ZNF259 (3.1)	MFAP1 (3.0)
EPB41L3 (2.4)	MAPRE3 (1.9)	RSPO3 (1.9)	TM6SF2 (1.8)	TECTB (1.7)
RSPO3 (2.0)	AMBRA1 (2.0)	FNDC4 (2.0)	SOST (1.9)	AGBL5 (1.9)
CYP26A1 (2.0)	NEIL2 (1.9)	CCDC121 (1.9)	ENSG00000254235 (1	ENSG00000256746 (1
EIF2B4 (3.4)	PTCD3 (3.2)	BRE (3.1)	MTCH2 (3.1)	NR1H3 (2.8)

C11orf9 (2.5)	MAPK10 (2.4)	CCDC92 (2.4)	SLC30A3 (2.2)	HAPLN4 (2.2)
ZNF664 (2.4)	GTF3C2 (2.1)	PLA2G6 (2.1)	INTS10 (2.1)	EPB41L3 (2.0)
CELF1 (2.7)	PCIF1 (2.3)	ZNF664 (2.0)	PTPRJ (1.9)	ZNF335 (1.9)
BAZ1B (2.1)	PPM1G (2.0)	CAD (2.0)	RIC8B (2.0)	USP1 (1.8)
BAZ1B (2.1)	PPM1G (2.0)	CAD (2.0)	RIC8B (2.0)	USP1 (1.8)
BAZ1B (2.1)	PPM1G (2.0)	CAD (2.0)	RIC8B (2.0)	USP1 (1.8)
BAZ1B (2.1)	PPM1G (2.0)	CAD (2.0)	RIC8B (2.0)	USP1 (1.8)
BAZ1B (2.1)	PPM1G (2.0)	CAD (2.0)	RIC8B (2.0)	USP1 (1.8)
CAD (3.0)	BUD13 (2.9)	ATP13A1 (2.6)	INTS10 (2.5)	OST4 (2.4)
CLPTM1 (2.1)	WDR76 (2.0)	NRBF2 (1.9)	FEN1 (1.9)	CCDC18 (1.9)
IMMT (2.3)	OST4 (2.3)	PTCD3 (2.2)	EIF2B4 (2.1)	GATAD2A (1.9)
IGF2R (2.3)	BCL3 (2.2)	AFF1 (2.0)	BMPR2 (1.9)	BLK (1.9)
C17orf105 (2.3)	LINC00208 (2.3)	GMIP (2.2)	NRBF2 (2.2)	BCL3 (2.0)
MAPK10 (2.0)	LPL (2.0)	GALNT2 (1.9)	PTPRJ (1.8)	SIK3 (1.7)
ZNF408 (2.6)	PTPMT1 (2.6)	PTCD3 (2.4)	C2orf28 (2.4)	NOP58 (2.4)
GMIP (2.6)	TMEM214 (2.6)	TXNL4B (2.5)	ZNF512 (2.5)	ENSG00000200241 (2
C1QTNF4 (2.2)	APOA4 (2.1)	ZNF408 (2.1)	G6PC3 (2.0)	ACP2 (2.0)
PVRL2 (2.1)	AGBL5 (2.0)	RFX4 (2.0)	IFT172 (1.9)	DPYSL5 (1.8)
PCIF1 (2.8)	ZNF664 (2.8)	BAZ1B (2.4)	CELF1 (2.3)	GTF3C2 (2.0)
KLF14 (2.9)	ENSG00000236267 (2	NCAN (2.6)	FNDC4 (2.3)	C19orf80 (2.3)
ENSG00000257711 (2	PAFAH1B2 (2.6)	MAU2 (2.5)	C2orf53 (2.3)	MAP1A (2.2)
ATG4C (2.7)	ARID1A (2.3)	DR1 (2.3)	ZNF513 (2.2)	C8orf49 (2.1)
BUD13 (2.1)	ENSG00000222035 (2	C2orf53 (1.9)	USP1 (1.9)	MRPL33 (1.8)
ZDHHC18 (2.1)	PBX4 (2.0)	FAM167A (1.7)	ENSG00000236267 (1	MLXIPL (1.5)
GTF3C2 (2.4)	DOCK7 (2.2)	CAD (2.1)	NSMAF (2.1)	CELF1 (2.0)
GTF3C2 (2.4)	DOCK7 (2.2)	CAD (2.1)	NSMAF (2.1)	CELF1 (2.0)
LSM12 (2.1)	FAM167A (2.0)	CITED2 (1.9)	SDC1 (1.9)	TAGLN (1.8)
GATAD2A (3.1)	TRIB1 (2.9)	PACSIN3 (2.4)	FRMD5 (2.3)	ENSG00000257711 (2
NFE2L3 (2.2)	PBX4 (2.2)	CLPTM1 (2.1)	IZUMO1 (2.1)	MAU2 (2.1)
ENSG00000235545 (3	AGBL5 (2.9)	TP53BP1 (2.6)	SPG11 (2.4)	BNC2 (2.4)
MADD (2.6)	UCN (2.5)	C11orf49 (2.4)	PLA2G6 (2.3)	AGBL5 (2.2)
HDAC5 (2.3)	ATG4C (2.1)	MTF2 (2.0)	KDM3A (2.0)	PREB (2.0)
C8orf49 (2.3)	FRMD5 (2.2)	GATA4 (2.2)	EPB41L3 (2.1)	ENSG00000256746 (2
MAMSTR (2.3)	CATSPER2 (2.2)	KANK2 (2.2)	TDH (2.0)	TSSK6 (1.9)
EIF3J (3.1)	CAD (2.9)	MTCH2 (2.7)	TP53BP1 (2.7)	TMEM214 (2.6)
C2orf16 (1.8)	CILP2 (1.7)	LPL (1.7)	CCDC92 (1.6)	ENSG00000255020 (1
SNX17 (2.4)	MAFF (2.3)	TUBGCP4 (2.2)	MAMSTR (2.2)	CASC4 (2.1)
ZNF513 (2.5)	C2orf16 (2.5)	TECTB (2.3)	COBLL1 (2.2)	ENSG00000257711 (2
GMIP (2.7)	PCSK7 (2.5)	FUT1 (2.3)	AMBRA1 (2.1)	PAFAH1B2 (2.0)
PPM1G (2.5)	SUMO1 (2.5)	PAFAH1B2 (2.4)	NOP58 (2.4)	NRBP1 (2.3)
NRBF2 (2.3)	ATG4C (2.1)	LPAR2 (2.0)	GMIP (2.0)	BCL3 (2.0)
RBKS (2.4)	TXNL4B (2.4)	BCL7B (2.4)	STRC (2.2)	SNX17 (2.1)
KLF14 (2.2)	ENSG00000179523 (2	ARHGAP1 (2.0)	PTPRJ (2.0)	FADS2 (1.8)
TAGLN (2.4)	ZNF513 (1.9)	ANGPTL4 (1.8)	C11orf9 (1.7)	ENSG00000223745 (1
FUT2 (2.2)	TMEM101 (2.1)	KRTCAP3 (2.0)	LPL (2.0)	ENSG00000179523 (1
SDCBP (1.9)	HAVCR1 (1.8)	TP53BP1 (1.8)	TXNL4B (1.8)	ENSG00000235545 (1
C1orf172 (2.3)	PTPN13 (2.1)	SDC1 (1.9)	ENSG00000257711 (1	PMFBP1 (1.6)
BMPR2 (2.6)	WDR76 (2.6)	USP1 (2.5)	MAU2 (2.5)	CHMP3 (2.1)
ARFGAP2 (1.8)	DHX38 (1.7)	FNBP4 (1.7)	NOP58 (1.7)	MAU2 (1.7)
ARFGAP2 (1.8)	DHX38 (1.7)	FNBP4 (1.7)	NOP58 (1.7)	MAU2 (1.7)

NR1H3 (2.1)	ZNF513 (1.8)	CCDC121 (1.7)	LPAL2 (1.7)	STRC (1.7)
TM6SF2 (1.9)	CMIP (1.8)	NR0B2 (1.8)	ENSG00000182329 (1	APOB (1.7)
APOA4 (4.1)	NAGS (3.0)	FUT2 (2.4)	PYY (2.3)	NAT2 (2.3)
DOCK6 (2.0)	TUBGCP4 (2.0)	SIK3 (1.9)	MAFF (1.8)	CTDSPL2 (1.8)
USP1 (2.4)	CTDSPL2 (2.3)	SUMO1 (2.1)	RIC8B (2.0)	BAZ1B (1.8)
PAFAH1B2 (2.3)	TSSK6 (2.2)	RFX4 (2.1)	ENSG00000235545 (2	RIC8B (1.8)
COBLL1 (2.7)	BLK (2.4)	CETP (2.2)	ZDHHC18 (2.1)	NFE2L3 (2.0)
LPAL2 (2.5)	TECTB (2.2)	TSSK6 (1.9)	ENSG00000235545 (1	ENSG00000223745 (1
MTF2 (2.5)	NUP160 (2.5)	SUGP1 (2.4)	GPN2 (2.2)	POLR1A (2.1)
ENSG00000256731 (2	STRC (2.3)	REEP1 (2.1)	NCAN (1.9)	ACP2 (1.9)
PTPRJ (2.4)	SIK3 (2.3)	GTF3C2 (2.3)	BMPR2 (2.3)	NSMAF (2.2)
BCL3 (2.5)	CCDC121 (2.2)	BUD13 (2.2)	MAU2 (2.0)	CHMP3 (2.0)
FRMD5 (4.0)	GATA4 (3.7)	C8orf49 (2.3)	IMMT (2.1)	BCAM (2.1)
PTCD3 (2.1)	SUGP1 (2.0)	CITED2 (1.9)	DPYSL5 (1.9)	FNBP4 (1.9)
PMFBP1 (2.8)	AFF1 (1.9)	SUMO1 (1.8)	PGS1 (1.5)	FUT1 (1.5)
AGBL5 (2.5)	BCAM (2.5)	NR0B2 (2.4)	ARHGAP1 (2.2)	PACSIN3 (2.0)
CHMP3 (2.2)	MFAP1 (1.9)	KLF14 (1.9)	PTPRJ (1.9)	TAGLN (1.8)
ATP13A1 (3.4)	MTCH2 (2.8)	TOMM40 (2.5)	PTCD3 (2.3)	MAU2 (2.1)
GMIP (2.6)	MADD (2.6)	C8orf12 (2.4)	PAFAH1B2 (2.4)	RFX4 (2.3)
ENSG00000257711 (2	TRIM54 (2.2)	EMILIN1 (2.0)	REEP1 (2.0)	CATSPER2 (2.0)
ENSG00000257711 (2	TRIM54 (2.2)	EMILIN1 (2.0)	REEP1 (2.0)	CATSPER2 (2.0)
NEIL2 (2.8)	PAFAH1B2 (2.7)	GMIP (2.5)	ZDHHC18 (1.9)	NFE2L3 (1.7)
SDC1 (3.5)	C1orf172 (3.4)	FAM167A (2.6)	ENSG00000182319 (2	PLTP (1.8)
MTMR9 (2.2)	ATG4C (2.1)	C8orf49 (2.0)	PYY (1.8)	GATA4 (1.7)
CCDC18 (2.2)	KBTBD4 (2.2)	DNAH10 (2.2)	TMEM175 (2.1)	ENSG00000234945 (1
ATG4C (2.6)	CCDC18 (2.4)	TP53BP1 (2.4)	MAFF (2.4)	DOCK7 (2.3)
DUSP3 (2.7)	RASIP1 (2.7)	CCDC92 (2.7)	PYY (2.4)	PVRL2 (2.3)
ARFGAP2 (2.5)	ENSG00000179523 (2	SNX17 (2.2)	RBKS (2.1)	PCIF1 (2.1)
PCSK7 (3.3)	ATP13A1 (3.2)	TMED5 (2.9)	ATG4C (2.7)	C2orf28 (2.5)
MPP3 (2.2)	ENSG00000182319 (2	SLC30A3 (1.9)	VEGFA (1.9)	C1QTNF4 (1.8)
ZNF512 (1.9)	DNAJC5G (1.9)	ENSG00000253379 (1	ENSG00000235545 (1	DUSP3 (1.7)
ENSG00000257711 (2	GMIP (2.1)	TRIB1 (2.1)	BCL3 (1.9)	MAFF (1.9)
BLK (2.6)	COBLL1 (2.4)	CETP (2.1)	ZDHHC18 (1.9)	NFE2L3 (1.9)
TOMM40 (2.5)	FADS1 (2.2)	PDIA3 (2.1)	NOP58 (2.1)	CKAP5 (2.0)
PBX4 (2.5)	TIMD4 (2.4)	CETP (2.4)	SLC22A3 (2.1)	C2orf16 (2.1)
DR1 (2.5)	ZDHHC18 (2.5)	NFE2L3 (2.4)	HAVCR1 (1.9)	CHMP3 (1.8)
ARHGAP1 (2.3)	GATAD2A (2.2)	TAGLN (2.1)	TRNP1 (2.1)	ENSG00000182319 (1
LPAR2 (2.3)	ENSG00000236827 (2	ENSG00000182319 (2	DUSP3 (1.8)	ATG4C (1.7)
SFN (1.9)	ENSG00000182319 (1	KANK2 (1.9)	ZNF512 (1.8)	RASIP1 (1.7)
CYP26A1 (3.4)	TECTB (3.3)	FUT2 (3.2)	FZD9 (2.4)	PTPN13 (2.3)
SDCBP (2.6)	ACP2 (2.5)	IGF2R (2.1)	LINC00208 (1.9)	PTPRJ (1.9)
NFE2L3 (2.8)	MRPL35 (2.7)	NDUFS3 (2.6)	PREB (2.5)	TOMM40 (2.5)
ARFGAP2 (2.2)	SUGP1 (2.0)	DHX38 (2.0)	USP1 (2.0)	NDUFS3 (1.8)
CHMP3 (3.0)	SNX17 (3.0)	PTCD3 (2.9)	IMMT (2.7)	AGBL5 (2.5)
KANK2 (2.4)	HDAC5 (2.2)	PGS1 (2.1)	STRC (2.1)	CMIP (2.0)
CAD (2.7)	TUBGCP4 (2.7)	ATG4C (2.6)	ZNF664 (2.5)	NUP160 (2.3)
GATA4 (2.2)	PLA2G6 (2.2)	MYBPC3 (2.1)	HAPLN4 (2.0)	SIDT2 (1.9)
TMEM214 (3.4)	TBL2 (2.8)	ATP13A1 (2.8)	C2orf28 (2.5)	EIF3J (2.1)
CD300LG (2.3)	RASIP1 (1.7)	ENSG00000182319 (1	TMEM101 (1.5)	KDM3A (1.5)
PCSK7 (2.6)	ENSG00000235545 (2	FUT2 (2.0)	ENSG00000253379 (2	UBXN2B (1.9)

ENSG00000236827 (3	FAM167A (3.2)	ENSG00000256746 (3	C8orf12 (2.6)	ENSG00000257711 (2
ENSG00000234945 (1	AFF1 (1.7)	BLK (1.6)	CMIP (1.5)	LINC00208 (1.4)
RSPO3 (2.6)	ABO (2.3)	CCDC121 (2.3)	TDH (2.2)	SDC1 (2.2)
KANK2 (3.3)	SDCBP (2.5)	IMMT (2.4)	CHMP3 (2.1)	TRIM54 (2.0)
RIC8B (2.0)	FGF21 (2.0)	ENSG00000235545 (1	LPAL2 (1.8)	ZDHHC18 (1.8)
ENSG00000236827 (2	PBX4 (2.2)	ENSG00000235545 (2	PIGV (2.0)	SLC22A3 (2.0)
TIMD4 (2.5)	ENSG00000226645 (2	TDH (2.0)	CETP (1.9)	PTPMT1 (1.9)
FEN1 (2.8)	USP1 (2.7)	CKAP5 (2.7)	AGBL5 (2.6)	ARID1A (2.4)
MRPL33 (2.0)	ENSG00000223522 (1	ENSG00000226645 (1	TRIM54 (1.7)	GATAD2A (1.6)
CITED2 (2.1)	HDAC5 (2.1)	ENSG00000200241 (2	PIGV (1.9)	RASIP1 (1.8)
MRPL33 (2.3)	TMED5 (2.1)	TOMM40 (2.1)	ZNF259 (2.0)	F2 (2.0)
ENSG00000179523 (2	BCL3 (2.5)	MFAP1 (2.4)	CHMP3 (2.2)	TXNL4B (1.9)
GCKR (2.8)	RBKS (2.5)	C8orf49 (2.3)	GATA4 (2.2)	NAGS (2.1)
SUMO1 (2.1)	GATAD2A (2.1)	OST4 (2.0)	PPM1G (2.0)	FNBP4 (1.9)
IFT172 (2.4)	KANK2 (2.4)	UBXN2B (2.4)	ARHGAP1 (2.1)	PAFAH1B2 (2.1)
MPP3 (2.6)	MAP1A (2.3)	HAPLN4 (2.3)	ENSG00000223745 (2	MYBPC3 (2.1)
CYP26A1 (2.2)	RFX4 (2.0)	ZNF664 (1.9)	C2orf16 (1.8)	NFE2L3 (1.8)
ATG4C (2.3)	NRBF2 (2.3)	TRIB1 (2.3)	ENSG00000226645 (2	BCL3 (2.0)
TSSK6 (2.1)	ENSG00000255020 (2	DPYSL5 (1.8)	ENSG00000253379 (1	PTPMT1 (1.8)
STRC (3.2)	CILP2 (2.7)	UCN (2.4)	RSPO3 (2.2)	BCAM (2.2)
CLPTM1 (2.7)	OST4 (2.5)	TMEM214 (2.4)	EIF3J (2.4)	PREB (2.3)
DOCK6 (2.6)	SIK3 (2.5)	RFX4 (2.5)	LRP4 (2.5)	PIGV (2.4)
C1orf172 (2.2)	CCDC121 (2.2)	ABO (2.2)	TRIB1 (2.1)	NSMAF (1.8)
RIC8B (2.5)	TRIM54 (2.2)	EMILIN1 (2.0)	REEP1 (1.9)	CATSPER2 (1.9)
KBTBD4 (2.0)	CCDC121 (1.9)	IMMT (1.9)	ENSG00000236827 (1	NSMAF (1.8)
LSM12 (2.1)	ARFGAP2 (2.0)	PTPRJ (2.0)	HAPLN4 (1.9)	CITED2 (1.9)
NCAN (2.7)	NEIL2 (2.6)	IZUMO1 (2.6)	TSSK6 (2.5)	DPYSL5 (2.5)
CTSB (2.0)	ENSG00000234945 (2	SIDT2 (2.0)	PIGV (1.9)	TMED5 (1.9)
ARFGAP2 (2.2)	GMIP (2.1)	CD300LG (2.0)	PCIF1 (1.9)	DOCK6 (1.7)
CHMP3 (2.7)	EPB41L3 (2.4)	MAP1A (2.2)	DUSP3 (2.2)	CMIP (1.9)
PPIP5K1 (2.2)	CAD (2.2)	HARBI1 (2.2)	LPA (2.2)	KRTCAP3 (2.1)
FNBP4 (1.9)	UCN (1.8)	ZNF259 (1.7)	GATAD2A (1.7)	SUMO1 (1.7)
USP1 (2.9)	FEN1 (2.9)	TUBGCP4 (2.7)	AFF1 (2.6)	CTDSPL2 (2.6)
LRP4 (2.4)	BCAM (2.1)	BNC2 (2.1)	SDC1 (2.1)	CYP26A1 (1.8)
NRBP1 (2.3)	PVRL2 (2.1)	SFN (2.1)	PTPRJ (2.0)	IGF2R (2.0)
NCAN (2.5)	SLC22A3 (2.3)	FGF21 (2.1)	ENSG00000182329 (2	KBTBD4 (1.9)
FUT2 (2.4)	IGF2R (2.3)	ZNF259 (2.0)	TIMD4 (2.0)	ENSG00000226645 (1
C2orf16 (2.7)	MYBPC3 (2.6)	CYP26A1 (2.4)	C8orf49 (2.3)	GATA4 (2.3)
DUSP3 (2.3)	PVRL2 (2.3)	CITED2 (2.2)	VEGFA (2.1)	CATSPER2 (2.0)
MRPL33 (2.7)	MTMR9 (2.4)	OST4 (2.2)	GPN2 (2.2)	GTF3C2 (2.1)
MRPL33 (2.7)	MTMR9 (2.4)	OST4 (2.2)	GPN2 (2.2)	GTF3C2 (2.1)
FZD9 (2.6)	SDC1 (2.5)	PPIP5K1 (2.4)	FUT2 (2.3)	KLF14 (1.9)
LPAL2 (2.3)	MAP1A (2.1)	NR0B2 (2.1)	NRBF2 (2.0)	ENSG00000236827 (2
CATSPER2 (2.7)	CHMP3 (2.5)	LSM12 (2.4)	FGF21 (2.0)	PREB (1.7)
FAM167A (2.9)	MAP1A (2.6)	FNDC4 (2.5)	LRP4 (2.3)	PTPN13 (2.0)
FUT2 (2.4)	SDC1 (1.9)	ENSG00000257711 (1	FUT1 (1.8)	MAFF (1.7)
ENSG00000179523 (2	LRP4 (2.2)	DNAJC5G (2.1)	C11orf9 (2.0)	C8orf49 (1.9)
ENSG00000253379 (2	EMILIN1 (1.9)	LINC00208 (1.8)	SDC1 (1.8)	C2orf53 (1.7)
DNAH10 (2.2)	PLA2G6 (2.2)	HARBI1 (1.9)	MLXIPL (1.9)	CASC4 (1.9)
PBX4 (2.3)	RASIP1 (2.0)	CD300LG (2.0)	ENSG00000222035 (1	DNAJC5G (1.8)

ENSG00000236267 (2	ENSG00000255020 (2	UBXN2B (2.3)	TECTB (2.0)	C8orf12 (1.9)
CSGALNACT1 (2.4)	TRIB1 (2.2)	LINC00208 (2.2)	C2orf53 (2.1)	TRNP1 (2.1)
CHMP3 (2.7)	RIC8B (2.5)	ARHGAP1 (2.4)	ENSG00000179523 (2	MAMSTR (2.1)
BMPR2 (2.2)	NR0B2 (2.2)	TSSK6 (2.1)	TMEM101 (2.0)	DDB2 (2.0)
FRMD5 (2.2)	ABO (2.0)	C11orf9 (1.9)	HAPLN4 (1.8)	ENSG00000222035 (1
TMEM214 (2.8)	CGREF1 (2.7)	LSM12 (2.7)	PPM1G (2.4)	EIF3J (2.4)
SUPT7L (1.9)	TMED5 (1.9)	TMEM101 (1.8)	C2orf28 (1.8)	DDB2 (1.7)
CYP26A1 (2.4)	PTPN13 (2.3)	BNC2 (2.2)	ENSG00000255020 (2	ENSG00000182319 (2
ZNF259 (2.6)	IZUMO1 (2.6)	MPV17 (2.5)	TXNL4B (2.3)	SUGP1 (2.3)
FNDC4 (2.6)	FAM167A (2.5)	LRP4 (2.5)	MAP1A (2.5)	PBX4 (2.0)
EPB41L3 (2.5)	DPYSL5 (2.4)	HAVCR1 (2.3)	MPV17 (2.2)	DUSP3 (2.2)
SUGP1 (2.4)	TP53BP1 (2.3)	SPG11 (2.0)	ATP13A1 (2.0)	MAU2 (2.0)
BCL3 (2.3)	SIDT2 (2.2)	HARBI1 (2.2)	ENSG00000222035 (2	SIK3 (2.1)
NEIL2 (2.0)	TDH (1.9)	ENSG00000179523 (1	PMFBP1 (1.8)	LINC00208 (1.6)
GTF3C2 (2.3)	EIF3J (2.0)	GPAM (2.0)	MLXIPL (1.9)	ENSG00000235545 (1
SFN (2.6)	BNC2 (2.3)	C1orf172 (2.2)	BCAM (2.1)	BMPR2 (1.9)
PTCD3 (1.9)	CHMP3 (1.7)	CITED2 (1.7)	ENSG00000226645 (1	ATP13A1 (1.6)
PCIF1 (2.5)	GPN1 (2.4)	ARHGAP1 (2.2)	C11orf49 (2.2)	GPN2 (2.2)
BAZ1B (3.2)	CTDSPL2 (3.1)	TUBGCP4 (2.9)	NUP160 (2.9)	ZNF512 (2.8)
BMPR2 (2.3)	ABCA1 (2.1)	PLTP (2.1)	ABHD1 (2.0)	GMIP (2.0)
BUD13 (2.6)	ZNF335 (2.5)	GATAD2A (2.4)	TP53BP1 (2.4)	AFF1 (2.4)
C2orf53 (2.5)	FGF21 (2.3)	ENSG00000236827 (1	DHODH (1.8)	UBXN2B (1.8)
BRE (2.4)	SDCBP (2.3)	CTSB (2.2)	C11orf49 (2.2)	TAGLN (2.1)
GATAD2A (2.3)	ENSG00000182319 (2	DOCK6 (2.2)	ARHGAP1 (2.2)	IGF2R (2.2)
RBKS (2.2)	FNBP4 (1.9)	PDIA3 (1.9)	ZNF408 (1.9)	CBLC (1.9)
MPP2 (2.4)	CHMP3 (2.2)	ENSG00000256746 (2	ENSG00000257711 (2	CKAP5 (2.0)
NSMAF (2.4)	GATAD2A (1.9)	ZNF259 (1.9)	ENSG00000223522 (1	PTCD3 (1.7)
UBXN2B (2.3)	UCN (2.2)	MTF2 (2.1)	ENSG00000182329 (2	PLA2G6 (1.9)
PTPMT1 (2.2)	TSSK6 (2.2)	BNC2 (2.1)	KDM3A (2.0)	SIK3 (2.0)
PYY (2.3)	PPY (2.2)	HGFAC (2.2)	FUT2 (2.0)	GPAM (1.9)
DUSP3 (2.3)	MLXIPL (2.1)	CMIP (2.0)	CD300LG (2.0)	PTPRJ (1.8)
SLC22A1 (2.2)	LPA (1.9)	PPM1G (1.9)	MPV17 (1.9)	BRE (1.9)
TUBGCP4 (2.7)	EIF3J (2.6)	ARID1A (2.3)	NSMAF (2.3)	DR1 (2.1)
GTF3C2 (2.8)	AMBRA1 (2.5)	RIC8B (2.5)	PPM1G (2.4)	ARID1A (2.2)
RFX4 (2.3)	SOST (2.1)	COBLL1 (2.0)	IZUMO1 (1.9)	NCAN (1.7)
PCSK7 (2.4)	USP1 (2.3)	CASC4 (2.3)	IGF2R (2.1)	BAZ1B (2.1)
CAD (2.3)	GPN1 (2.2)	FEN1 (2.1)	SUPT7L (2.1)	PREB (2.0)
BNC2 (2.2)	PMFBP1 (2.2)	C8orf49 (2.2)	PTPN13 (2.0)	ENSG00000253379 (1
FUT2 (2.1)	MADD (2.1)	SDCBP (2.0)	FUT1 (2.0)	PTPRJ (2.0)
PBX4 (2.6)	ENSG00000226645 (2	ZDHHC18 (2.0)	TDH (2.0)	CETP (1.9)
CHMP3 (2.3)	AFF1 (2.1)	CGREF1 (1.9)	COBLL1 (1.9)	BCL3 (1.9)
PMFBP1 (3.6)	ENSG00000234945 (2	ENSG00000257711 (2	JMJD1C (1.7)	ENSG00000236267 (1
NOP58 (2.4)	HDAC5 (2.4)	SUPT7L (2.1)	ZNF259 (2.0)	MAU2 (1.9)
CETP (2.2)	ENSG00000254235 (2	LRP4 (2.1)	FAM167A (2.0)	ENSG00000226645 (2
REEP1 (2.7)	UCN (2.1)	AGBL2 (2.1)	LIPC (1.9)	SLC22A3 (1.8)
POLR1A (2.8)	GATAD2A (2.7)	FNBP4 (2.7)	ZNF259 (2.7)	PTCD3 (2.5)
NCAN (2.7)	IFT172 (2.5)	FNDC4 (1.9)	ENSG00000253379 (1	TECTB (1.7)
CYP26A1 (2.3)	ENSG00000234945 (2	RSPO3 (1.8)	PTPN13 (1.8)	IFT172 (1.7)
GPN1 (2.7)	IMMT (2.5)	PTCD3 (2.4)	POLR1A (2.2)	FUT2 (2.1)
FRMD5 (3.5)	GATA4 (2.9)	BCAM (2.9)	PLTP (2.7)	C8orf49 (1.8)

NSMAF (2.5)	PTPMT1 (2.4)	ZNF513 (2.4)	ENSG00000223745 (2	PMFBP1 (2.1)
GTF3C2 (2.3)	MTCH2 (2.3)	SDCBP (2.2)	NRBP1 (2.1)	ABO (2.0)
NCAN (2.1)	PLA2G6 (2.0)	UCN (1.9)	MAPK10 (1.9)	CSGALNACT1 (1.9)
LPL (2.9)	NR0B2 (2.6)	KHK (2.2)	CSGALNACT1 (2.2)	PPY (2.0)
DOCK7 (2.0)	PVRL2 (1.9)	C1QTNF4 (1.9)	EMILIN1 (1.8)	PYY (1.8)
SDC1 (3.0)	BCAM (2.5)	FUT1 (2.5)	SIDT2 (2.0)	CATSPER2 (2.0)
C2orf16 (2.4)	BNC2 (2.3)	RFX4 (2.0)	PTPN13 (2.0)	BCAM (1.8)
NUP160 (2.9)	WDR76 (2.4)	BAZ1B (2.4)	ZNF664 (2.4)	CKAP5 (2.3)
BUD13 (2.8)	INTS10 (2.7)	GTF3C2 (2.6)	DR1 (2.6)	PCIF1 (2.5)
CYP26A1 (2.1)	RSPO3 (2.1)	ENSG00000182319 (2	C8orf49 (1.9)	GATA4 (1.9)
KANK2 (3.0)	LRP4 (2.6)	IFT172 (2.1)	RSPO3 (2.1)	BNC2 (2.1)
DHX38 (2.1)	BUD13 (2.1)	PPM1G (2.0)	INTS10 (2.0)	NUP160 (1.9)
NOP58 (2.7)	FGF21 (2.6)	SUGP1 (2.6)	ZNF259 (2.6)	VEGFA (2.6)
TMED5 (2.6)	SDCBP (2.5)	NRBP1 (2.5)	SNX17 (2.5)	ATG4C (2.4)
HAPLN4 (2.3)	ENSG00000255020 (2	MAP1A (2.2)	C1QTNF4 (2.0)	CATSPER2 (1.9)
OST4 (2.0)	UCN (2.0)	TAGLN (1.9)	BCL7B (1.8)	ENSG00000223522 (1
SNX17 (2.5)	C2orf16 (2.5)	KRTCAP3 (2.4)	MRPL35 (2.4)	BRE (2.3)
TMEM214 (3.5)	SIDT2 (2.4)	TBL2 (2.4)	G6PC3 (2.2)	C2orf28 (2.2)
PLA2G6 (2.4)	TMED5 (2.4)	EIF3J (2.4)	COBLL1 (2.3)	PTPMT1 (2.2)
NDUFS3 (3.1)	MRPL35 (2.4)	SNX17 (2.4)	C2orf28 (2.3)	ENSG00000255020 (2
NDUFS3 (2.8)	SNX17 (2.7)	GPAM (2.6)	SUPT7L (2.3)	CCDC121 (2.2)
ENSG00000236267 (2	PCSK7 (2.0)	ZDHHC18 (1.9)	TIMD4 (1.9)	ZNF408 (1.6)
ENSG00000236267 (2	PCSK7 (2.0)	ZDHHC18 (1.9)	TIMD4 (1.9)	ZNF408 (1.6)
PCSK7 (3.4)	PDIA3 (3.3)	PIGV (3.0)	PREB (3.0)	TMEM101 (2.8)
PCSK7 (3.4)	PDIA3 (3.3)	PIGV (3.0)	PREB (3.0)	TMEM101 (2.8)
AGBL5 (2.1)	GMIP (2.0)	DOCK7 (2.0)	SPG11 (2.0)	BRE (1.8)
RSPO3 (2.4)	ENSG00000236827 (2	PVRL2 (2.1)	LRP4 (1.8)	SOST (1.8)
IZUMO1 (2.5)	COBLL1 (2.4)	BRE (2.3)	C2orf28 (2.2)	IMMT (2.1)
HAPLN4 (2.7)	MADD (2.6)	MAP1A (2.5)	TRNP1 (2.4)	MAPRE3 (2.1)
PPM1G (2.3)	GPN2 (2.2)	NFE2L3 (2.1)	INTS10 (1.9)	MRPL35 (1.8)
PPM1G (2.1)	BUD13 (2.0)	NUP160 (1.9)	NOP58 (1.9)	IMMT (1.9)
PPM1G (2.1)	BUD13 (2.0)	NUP160 (1.9)	NOP58 (1.9)	IMMT (1.9)
GPAM (1.9)	GTF3C2 (1.9)	PPM1G (1.9)	SNX17 (1.9)	TUBGCP4 (1.8)
MPP3 (2.4)	PPM1G (2.3)	C17orf105 (2.1)	SOST (2.1)	BAZ1B (2.1)
MPP3 (2.4)	PPM1G (2.3)	C17orf105 (2.1)	SOST (2.1)	BAZ1B (2.1)
MPP3 (2.4)	PPM1G (2.3)	C17orf105 (2.1)	SOST (2.1)	BAZ1B (2.1)
SNX17 (3.2)	NRBP1 (2.9)	ENSG00000235545 (2	LSM12 (2.6)	PPM1G (2.4)
MAU2 (2.2)	NCAN (2.1)	COBLL1 (2.0)	C11orf9 (2.0)	PTPRJ (1.9)
NFE2L3 (2.9)	EIF3J (2.9)	EIF2B4 (2.7)	TOMM40 (2.0)	ARFGAP2 (2.0)
BNC2 (2.3)	ENSG00000222035 (2	C8orf12 (2.0)	SOST (1.9)	REEP1 (1.9)
CILP2 (2.7)	ABO (2.4)	EMILIN1 (2.2)	CYP26A1 (2.0)	ENSG00000253379 (1
BUD13 (3.2)	PPM1G (3.0)	BAZ1B (2.9)	CAD (2.8)	KDM3A (2.5)
BUD13 (3.2)	PPM1G (3.0)	BAZ1B (2.9)	CAD (2.8)	KDM3A (2.5)
C2orf28 (2.0)	APOE (1.9)	DDB2 (1.9)	PLTP (1.7)	SDCBP (1.7)
C2orf16 (2.1)	PTPN13 (1.9)	NFE2L3 (1.9)	ZDHHC18 (1.8)	PTPMT1 (1.7)
NOP58 (2.1)	NSMAF (2.0)	TRIM54 (1.9)	SUMO1 (1.8)	UCN (1.7)
C1QTNF4 (2.0)	SFN (1.9)	CITED2 (1.8)	TBL2 (1.8)	PTPN13 (1.7)
RASIP1 (2.7)	CETP (2.6)	DOCK6 (2.5)	REEP1 (2.4)	SLC22A3 (2.2)
STRC (2.2)	ACP2 (2.2)	LPL (2.1)	EMILIN1 (2.1)	VEGFA (1.9)
PAFAH1B2 (2.4)	C2orf16 (2.2)	FADS1 (2.2)	REEP3 (2.1)	HARBI1 (2.1)

IFT172 (2.2)	KANK2 (2.0)	GATAD2A (2.0)	C8orf12 (1.8)	FAM167A (1.8)
MFAP1 (2.5)	MRPL35 (2.4)	PTCD3 (2.4)	EIF3J (2.1)	WDR76 (2.0)
KLF14 (2.5)	ENSG00000179523 (2	MAPRE3 (2.5)	TRNP1 (2.4)	MADD (2.4)
TMEM175 (2.7)	SIDT2 (2.6)	MADD (2.6)	MAPRE3 (2.5)	IGF2R (2.5)
RBKS (1.9)	REEP3 (1.8)	CETP (1.6)	MAFF (1.6)	AFF1 (1.6)
ENSG00000236827 (2	SLC30A3 (2.0)	MADD (1.9)	LPAL2 (1.9)	BLK (1.7)
DUSP3 (1.9)	CSGALNACT1 (1.9)	KLF14 (1.8)	EMILIN1 (1.8)	COBLL1 (1.8)
DOCK6 (2.2)	MTF2 (2.1)	FZD9 (2.0)	CLPTM1 (1.9)	BRE (1.8)
MAPRE3 (2.7)	C1QTNF4 (2.7)	ENSG00000182319 (2	ENSG00000182329 (2	CELF1 (1.9)
MAFF (2.4)	ENSG00000182319 (2	NFE2L3 (2.0)	ARFGAP2 (1.9)	HDAC5 (1.9)
ZNF259 (3.1)	CAD (3.1)	TMEM214 (3.0)	PREB (2.8)	GPN1 (2.8)
ENSG00000182319 (2	BUD13 (2.6)	BCL3 (2.6)	CITED2 (2.5)	PCIF1 (2.5)
EIF2B4 (2.9)	MRPL35 (2.8)	NRBP1 (2.6)	IMMT (2.6)	GPN1 (2.5)
ENSG00000223522 (1	NSMAF (1.8)	UCN (1.8)	ENSG00000236267 (1	DPYSL5 (1.7)
NRBF2 (2.6)	IMMT (2.5)	GATAD2A (2.4)	MTCH2 (2.4)	GPN2 (2.4)
SDCBP (2.4)	DOCK6 (2.4)	EPB41L3 (2.4)	CHMP3 (2.3)	REEP3 (2.3)
CKAP5 (2.8)	MTF2 (2.4)	WDR76 (2.3)	BUD13 (2.2)	CTDSPL2 (2.2)
C2orf28 (1.8)	REEP3 (1.8)	IMMT (1.7)	ENSG00000223522 (1	SUPT7L (1.7)
ENSG00000182319 (1	NSMAF (1.6)	SDC1 (1.6)	SIK3 (1.5)	PBX4 (1.5)
TMEM101 (2.4)	G6PC3 (2.3)	PDIA3 (2.3)	ENSG00000223745 (2	ATG4C (2.0)
DR1 (2.9)	BUD13 (2.8)	GPN2 (2.7)	SUPT7L (2.5)	TXNL4B (2.5)
MAMSTR (2.4)	PTPRJ (2.3)	SLC22A3 (2.3)	MAPRE3 (2.1)	ANGPTL4 (2.0)
EMILIN1 (2.1)	TAGLN (1.9)	RIC8B (1.7)	KRTCAP3 (1.6)	C11orf9 (1.5)
BLK (2.3)	BCL3 (2.2)	NSMAF (1.9)	ZDHHC18 (1.8)	ZNF259 (1.8)
ENSG00000222035 (2	EIF3J (2.1)	OST4 (2.1)	GPN1 (2.1)	ENSG00000226645 (2
SUGP1 (2.3)	KBTBD4 (2.2)	ENSG00000235545 (2	ATG13 (2.0)	NRBP1 (2.0)
DPYSL5 (2.7)	SOST (2.2)	ENSG00000254235 (2	DNAH10 (2.1)	KLF14 (1.9)
MADD (2.5)	SDCBP (2.2)	PBX4 (2.2)	NCAN (2.1)	ABCA1 (2.1)
KRTCAP3 (2.3)	ENSG00000223522 (2	FRMD5 (2.1)	ENSG00000222035 (2	SDC1 (1.8)
C1QTNF4 (2.5)	ABHD1 (2.4)	TBL2 (2.4)	SLC5A6 (2.4)	SIDT2 (2.3)
PACSIN3 (2.1)	SDCBP (1.7)	REEP1 (1.7)	KLF14 (1.7)	SUGP1 (1.5)
NEIL2 (2.4)	LSM12 (2.2)	PPM1G (2.2)	GMIP (2.1)	CLPTM1 (2.1)
IMMT (2.7)	TOMM40 (2.5)	PREB (2.5)	GPN1 (2.3)	NRBP1 (2.3)
NSMAF (2.4)	AGBL5 (2.2)	CCDC18 (2.0)	DHX38 (1.9)	BRE (1.9)
BCL7B (3.2)	PCSK7 (2.9)	DR1 (2.9)	SUMO1 (2.5)	PREB (2.5)
ENSG00000234945 (2	BCL3 (2.0)	STRC (1.8)	REEP3 (1.7)	ENSG00000254235 (1
FRMD5 (3.4)	IMMT (3.1)	FNBP4 (3.1)	NDUFS3 (2.4)	PPM1G (2.4)
NCAN (2.3)	C1QTNF4 (2.2)	EPB41L3 (2.1)	CCDC92 (2.1)	TECTB (2.1)
MADD (2.4)	TP53BP1 (2.1)	CMIP (2.0)	FUT2 (1.9)	FNDC4 (1.9)
MAPRE3 (2.2)	EIF2B4 (2.1)	NRBP1 (2.0)	MADD (2.0)	TMEM214 (2.0)
FZD9 (2.7)	ENSG00000236267 (2	C11orf9 (2.5)	SLC22A3 (2.4)	MPP2 (1.9)
ARFGAP2 (2.6)	NRBP1 (2.5)	ENSG00000200241 (2	EIF2B4 (2.5)	PPM1G (2.4)
CETP (2.2)	C17orf105 (2.1)	NEIL2 (1.9)	HARBI1 (1.8)	HAVCR1 (1.6)
TIMD4 (2.6)	ENSG00000226645 (2	TDH (2.0)	CETP (1.9)	ZDHHC18 (1.9)
MAFF (2.9)	NEIL2 (2.8)	ZNF335 (2.2)	AMBRA1 (2.1)	KLF14 (2.1)
SUMO1 (2.8)	RBKS (2.7)	NAT2 (2.6)	MTCH2 (2.6)	NDUFS3 (2.5)
SDC1 (3.6)	SLC5A6 (2.5)	DNAJC5G (2.3)	PTPN13 (2.2)	SUPT7L (1.9)
KBTBD4 (2.6)	MTMR9 (2.6)	RIC8B (2.6)	INTS10 (2.5)	SUGP1 (2.4)
TBL2 (4.0)	CGREF1 (3.7)	ARHGAP1 (3.3)	PDIA3 (3.0)	NRBP1 (2.7)
MRPL35 (2.8)	EIF2B4 (2.8)	PREB (2.5)	EIF3J (2.4)	IMMT (2.3)

FEN1 (2.4)	CKAP5 (2.3)	CHMP3 (2.3)	ARID1A (2.0)	MAU2 (2.0)
LSM12 (2.0)	CHMP3 (2.0)	ENSG00000179523 (1	NRBF2 (1.9)	CCDC92 (1.8)
PVRL2 (2.4)	CD300LG (2.3)	TRIM54 (2.3)	HAVCR1 (2.1)	GALNT2 (1.9)
KRTCAP3 (3.1)	ENSG00000223745 (3	BCAM (2.7)	ENSG00000236827 (2	HAVCR1 (2.2)
KHK (2.8)	RFX4 (2.4)	ABO (2.1)	C1QTNF4 (2.1)	CGREF1 (2.0)
ZNF513 (2.2)	DHODH (2.1)	PCIF1 (2.1)	TMEM101 (2.0)	TBL2 (1.9)
PTCD3 (2.2)	ZNF512 (2.2)	ENSG00000223522 (2	PPM1G (2.1)	KBTBD4 (2.0)
UCN (2.7)	HARBI1 (2.3)	C17orf105 (2.2)	TDH (2.1)	ENSG00000226645 (2
NUP160 (3.0)	SPG11 (2.9)	SUGP1 (2.8)	UBXN2B (2.5)	MRPL35 (2.4)
CCDC121 (2.8)	CITED2 (2.8)	AMBRA1 (2.4)	NFE2L3 (2.4)	NEIL2 (2.4)
BUD13 (3.1)	POLR1A (2.7)	MFAP1 (2.4)	INTS10 (2.3)	SLC5A6 (2.2)
NSMAF (1.9)	DPYSL5 (1.8)	TRIM54 (1.8)	UBXN2B (1.7)	ENSG00000236267 (1
MAU2 (2.6)	HDAC5 (2.5)	GMIP (2.4)	MTMR9 (2.3)	CMIP (2.1)
RFX4 (2.9)	LRP4 (2.7)	SOST (2.3)	MAPK10 (2.3)	CSGALNACT1 (2.3)
GMIP (2.3)	ZDHHC18 (1.8)	APOE (1.8)	NR1H3 (1.7)	ACP2 (1.5)
EIF2B4 (2.6)	PREB (2.5)	CITED2 (2.4)	SDC1 (2.4)	MYBPC3 (2.0)
PREB (3.2)	SLC5A6 (3.0)	EIF2B4 (2.9)	PTCD3 (2.5)	SUPT7L (2.4)
ENSG00000257711 (1	TRIB1 (1.7)	PTPMT1 (1.6)	SUPT7L (1.6)	PMFBP1 (1.5)
CITED2 (2.7)	CATSPER2 (2.5)	TOMM40 (2.4)	GPN1 (2.4)	MAFF (2.2)
C11orf9 (2.2)	PMFBP1 (2.0)	TECTB (1.9)	ENSG00000236827 (1	DUSP3 (1.9)
JMJD1C (2.5)	CLPTM1 (2.5)	C2orf53 (2.3)	ZNF513 (2.3)	SNX17 (2.2)
PPIP5K1 (2.9)	ATP13A1 (2.9)	MRPL35 (2.8)	SNX17 (2.8)	C2orf28 (2.4)
CBLC (2.0)	CCDC121 (2.0)	UCN (1.9)	PTPN13 (1.9)	TRIM54 (1.7)
RFX4 (2.2)	BNC2 (2.2)	DOCK7 (2.2)	C11orf49 (2.0)	PTPN13 (2.0)
PCIF1 (2.7)	BUD13 (2.6)	KDM3A (2.5)	KBTBD4 (2.5)	ARID1A (2.5)
NAT2 (2.1)	STRC (2.0)	MPP3 (2.0)	MAPK10 (1.9)	CHMP3 (1.9)
ENSG00000236267 (2	ZNF664 (2.2)	MTMR9 (2.0)	LPAR2 (1.9)	C1orf172 (1.9)
NUP160 (2.3)	USP1 (2.2)	CAD (2.1)	BUD13 (2.1)	TOMM40 (2.0)
NUP160 (2.3)	USP1 (2.2)	CAD (2.1)	BUD13 (2.1)	TOMM40 (2.0)
CD300LG (2.6)	TMEM175 (2.5)	RIC8B (2.4)	C11orf9 (2.2)	FNDC4 (2.1)
NFE2L3 (2.2)	ZDHHC18 (2.0)	TECTB (2.0)	DDB2 (2.0)	IZUMO1 (1.8)
OST4 (3.8)	MRPL33 (3.7)	MTCH2 (2.8)	TOMM40 (2.2)	C2orf16 (2.1)
BNC2 (3.1)	FNDC4 (2.2)	RSPO3 (2.1)	PTPN13 (1.9)	TMEM175 (1.8)
NDUFS3 (3.5)	SUGP1 (3.5)	NFE2L3 (3.0)	IMMT (2.9)	MRPL35 (2.9)
ENSG00000234945 (2	COBLL1 (2.2)	NFE2L3 (2.0)	TDH (1.8)	CETP (1.8)
TRNP1 (1.7)	BNC2 (1.7)	SLC30A3 (1.6)	PMFBP1 (1.6)	ABO (1.6)
HAVCR1 (2.4)	ARID1A (2.1)	MAPRE3 (1.8)	MRPL35 (1.7)	BMPR2 (1.7)
PTPN13 (2.2)	CCDC121 (2.1)	BCAM (2.0)	LRP4 (1.9)	SOST (1.9)
FNBP4 (2.9)	ATP13A1 (2.8)	PTCD3 (2.7)	AMBRA1 (2.7)	ZNF664 (2.6)
HAVCR1 (2.0)	ENSG00000257711 (2	TSSK6 (1.9)	ENSG00000234945 (1	TMEM101 (1.8)
ARID1A (2.4)	DNAJC5G (2.2)	FGF21 (2.2)	OST4 (2.0)	GATAD2A (2.0)
FUT1 (2.6)	DOCK6 (2.3)	GMIP (2.3)	MADD (2.1)	PAFAH1B2 (2.0)
KHK (2.3)	C8orf12 (2.0)	MAMSTR (1.9)	SLC22A1 (1.9)	ENSG00000256746 (1
SOST (2.5)	ABO (2.1)	DOCK6 (2.1)	VEGFA (2.0)	CETP (2.0)
SIDT2 (3.0)	ATP13A1 (2.9)	PDIA3 (2.9)	REEP3 (2.7)	TBL2 (2.6)
LPAL2 (2.4)	COBLL1 (2.3)	CMIP (2.3)	RASIP1 (2.2)	C8orf12 (2.2)
DOCK7 (2.6)	ENSG00000256746 (2	NR1H3 (2.4)	DPYSL5 (2.3)	SOST (2.2)
TP53BP1 (3.5)	PTCD3 (3.4)	POLR1A (3.4)	SPG11 (3.3)	CAD (3.2)
CCDC92 (2.4)	DUSP3 (2.3)	PPIP5K1 (2.2)	MADD (2.2)	EPB41L3 (2.1)
EPB41L3 (2.4)	SDC1 (2.2)	DR1 (2.2)	ZNF664 (2.2)	HDAC5 (2.2)

ENSG00000236267 (1	ENSG00000256746 (1	ZNF664 (1.6)	LPAR2 (1.6)	RIC8B (1.5)
NFE2L3 (1.8)	SUMO1 (1.8)	ENSG00000223522 (1	CGREF1 (1.4)	NSMAF (1.4)
ACP2 (1.9)	COBLL1 (1.8)	HAVCR1 (1.7)	ENSG00000255020 (1	TMED5 (1.6)
TMEM101 (3.9)	PIGV (3.3)	PCSK7 (3.3)	TMEM175 (3.3)	C2orf28 (3.1)
CLPTM1 (2.2)	TRIB1 (2.1)	PCIF1 (2.1)	MAFF (1.9)	ZNF512 (1.8)
POLR1A (2.8)	USP1 (2.1)	ZNF259 (2.1)	TOMM40 (2.0)	PTCD3 (2.0)
PDIA3 (2.2)	CLPTM1 (2.1)	TBL2 (2.0)	PCSK7 (1.9)	CTSB (1.8)
ENSG00000253379 (2	CHMP3 (2.3)	ENSG00000257711 (2	CILP2 (2.1)	CASC4 (2.1)
BRE (2.6)	ACP2 (2.5)	ARHGAP1 (2.5)	ARFGAP2 (2.4)	MADD (2.2)
FZD9 (2.3)	DPYSL5 (2.0)	CSGALNACT1 (1.9)	CITED2 (1.9)	RFX4 (1.9)
FZD9 (2.5)	SOST (2.3)	RBKS (2.2)	APOA4 (2.0)	UCN (2.0)
ENSG00000256746 (2	ANGPTL3 (2.0)	UBXN2B (1.8)	ENSG00000223745 (1	RBKS (1.6)
RASIP1 (2.3)	DNAJC5G (2.2)	ENSG00000234945 (2	IZUMO1 (2.0)	CATSPER2 (1.8)
FUT1 (2.2)	ENSG00000182319 (2	MPP2 (2.1)	DPYSL5 (2.1)	NCAN (2.1)
BLK (2.1)	PGS1 (2.1)	ENSG00000254235 (1	ENSG00000200241 (1	SIK3 (1.7)
FZD9 (3.2)	EMILIN1 (3.1)	RSPO3 (2.5)	SOST (2.5)	CILP2 (2.4)
ENSG00000226645 (2	PGS1 (2.6)	GATA4 (2.5)	C19orf80 (2.3)	C2orf53 (2.1)
ZDHHC18 (2.6)	PBX4 (2.6)	PTPRJ (2.4)	MAFF (2.3)	FNBP4 (2.3)
ARHGAP1 (3.3)	TRNP1 (2.8)	PACSIN3 (2.7)	CELF1 (2.7)	TRIM54 (2.4)
TP53BP1 (2.3)	UCN (2.0)	REEP1 (1.8)	ABHD1 (1.8)	FRMD5 (1.7)
LPAR2 (2.8)	ENSG00000256746 (2	C2orf16 (2.5)	PYY (2.4)	GATA4 (2.4)
SUPT7L (2.1)	PTPMT1 (2.1)	MTF2 (1.9)	BAZ1B (1.9)	ACP2 (1.9)
KDM3A (1.9)	CTDSPL2 (1.9)	AFF1 (1.6)	NEIL2 (1.6)	ENSG00000253379 (1
TMEM175 (2.7)	TM6SF2 (2.5)	ABHD1 (2.3)	CGREF1 (2.1)	ATP13A1 (2.0)
NRBF2 (2.5)	FNDC4 (2.4)	CTSB (2.2)	GMIP (2.0)	UBXN2B (1.8)
CTDSPL2 (3.6)	MTF2 (3.2)	DDB2 (2.8)	MFAP1 (2.7)	CASC4 (2.5)
ENSG00000179523 (2	LSM12 (2.7)	GATAD2A (2.6)	MTF2 (2.1)	PGS1 (2.1)
MAPRE3 (2.0)	C11orf9 (2.0)	KHK (1.8)	CCDC92 (1.7)	ZNF335 (1.7)
NR1H3 (2.3)	ZDHHC18 (2.1)	ENSG00000236267 (2	APOE (1.9)	SLC22A3 (1.8)
MTF2 (2.8)	PCIF1 (2.6)	ARID1A (2.5)	DR1 (2.4)	BUD13 (2.2)
TOMM40 (1.9)	KANK2 (1.8)	NEIL2 (1.8)	TAGLN (1.8)	EMILIN1 (1.8)
SNX17 (3.0)	PDIA3 (3.0)	ATG4C (2.6)	ATG13 (2.4)	TBL2 (2.3)
ATP13A1 (2.0)	SUMO1 (1.9)	SNX17 (1.7)	PPM1G (1.6)	GATAD2A (1.6)
BCL7B (2.2)	AFF1 (1.9)	ENSG00000257711 (1	IGF2R (1.8)	LINC00208 (1.8)
USP1 (2.2)	GATAD2A (2.2)	JMJD1C (2.1)	ZNF664 (2.1)	MTF2 (2.0)
USP1 (2.2)	GATAD2A (2.2)	JMJD1C (2.1)	ZNF664 (2.1)	MTF2 (2.0)
DDB2 (2.2)	DNAJC5G (2.1)	CELF1 (2.1)	ZNF664 (2.0)	ENSG00000223522 (1
ENSG00000256746 (2	ZDHHC18 (2.0)	TECTB (1.9)	TDH (1.9)	ZNF513 (1.9)
CBLC (2.4)	PPIP5K1 (2.4)	BCAM (2.3)	CD300LG (2.2)	FGF21 (2.1)
EIF2B4 (3.3)	PDIA3 (3.0)	INTS10 (2.5)	MTCH2 (2.5)	GPN1 (2.4)
DDB2 (2.4)	RASIP1 (1.9)	CBLC (1.9)	MRPL33 (1.9)	CHMP3 (1.8)
RIC8B (2.7)	PLA2G6 (2.7)	MTMR9 (2.5)	GTF3C2 (2.5)	CAD (2.4)
RIC8B (2.7)	PLA2G6 (2.7)	MTMR9 (2.5)	GTF3C2 (2.5)	CAD (2.4)
RIC8B (2.7)	PLA2G6 (2.7)	MTMR9 (2.5)	GTF3C2 (2.5)	CAD (2.4)
TRNP1 (3.0)	SLC30A3 (2.6)	MAP1A (2.1)	C1QTNF4 (2.1)	PPIP5K1 (2.0)
PCIF1 (2.6)	SUMO1 (2.6)	BUD13 (2.5)	TXNL4B (2.5)	LSM12 (2.3)
EIF3J (3.0)	PTCD3 (2.8)	ZNF259 (2.8)	NOP58 (2.4)	GPN2 (2.3)
TRIB1 (2.3)	BUD13 (2.2)	NUP160 (2.2)	MAU2 (1.9)	USP1 (1.9)
EIF2B4 (3.0)	ENSG00000255020 (2	PREB (2.4)	MRPL35 (2.3)	DDB2 (2.2)
MRPL33 (3.4)	OST4 (3.1)	MTCH2 (2.6)	TOMM40 (2.2)	PPIP5K1 (2.2)

PBX4 (2.6)	ENSG00000182319 (2	RFX4 (2.1)	GPN2 (1.9)	MLXIPL (1.9)
NUP160 (2.3)	FNBP4 (2.2)	MRPL35 (1.9)	ENSG00000257711 (1	MPP3 (1.9)
PGS1 (2.3)	ENSG00000226645 (2	DR1 (2.0)	VEGFA (1.9)	DNAH10 (1.9)
DNAH10 (2.5)	ENSG00000182329 (2	ABHD1 (2.3)	TSSK6 (2.2)	ENSG00000254235 (2
NR1H3 (2.5)	C1QTNF4 (2.0)	ENSG00000223522 (2	EPB41L3 (1.9)	NCAN (1.9)
DOCK7 (2.7)	FRMD5 (2.5)	RFX4 (2.5)	IFT172 (2.1)	FADS1 (2.0)
BNC2 (2.8)	EMILIN1 (2.7)	KANK2 (2.4)	LRP4 (2.1)	IGF2R (2.0)
STRC (2.3)	SIDT2 (2.1)	KANK2 (2.0)	ZNF513 (1.9)	C8orf49 (1.8)
PPM1G (2.7)	AGBL5 (2.6)	G6PC3 (2.5)	C17orf105 (2.5)	CCDC92 (2.5)
IFT172 (2.7)	AGBL2 (2.6)	AGBL5 (2.4)	FAM167A (2.4)	DPYSL5 (2.1)
BCL3 (2.7)	KDM3A (2.2)	LSM12 (2.2)	BMPR2 (2.1)	KANK2 (2.0)
MPP3 (1.9)	ZNF512 (1.9)	LPL (1.7)	ABO (1.7)	ENSG00000256746 (1
LPL (2.0)	MAMSTR (2.0)	APOA4 (1.9)	NCAN (1.9)	BCAM (1.9)
TXNL4B (2.7)	DR1 (2.7)	BUD13 (2.5)	DHX38 (2.4)	GPN2 (2.4)
TXNL4B (2.7)	DR1 (2.7)	BUD13 (2.5)	DHX38 (2.4)	GPN2 (2.4)
TXNL4B (2.7)	DR1 (2.7)	BUD13 (2.5)	DHX38 (2.4)	GPN2 (2.4)
CATSPER2 (1.9)	TRIB1 (1.8)	TMED5 (1.6)	NRBF2 (1.5)	ENSG00000234945 (1
EIF2B4 (3.6)	NOP58 (3.4)	NUP160 (3.4)	DHX38 (3.2)	TOMM40 (3.1)
DUSP3 (2.5)	UBXN2B (2.3)	NSMAF (2.2)	SDCBP (2.1)	GMIP (2.0)
TDH (2.3)	RIC8B (2.2)	DOCK7 (2.1)	CHMP3 (2.0)	ENSG00000257711 (1
PGS1 (1.8)	BMPR2 (1.7)	ENSG00000226645 (1	PVRL2 (1.5)	AMBRA1 (1.5)
DOCK6 (2.1)	KRTCAP3 (2.0)	TRNP1 (2.0)	CBLC (2.0)	TMEM101 (1.9)
NDUFS3 (3.2)	MRPL35 (2.7)	SNX17 (2.6)	SUGP1 (2.4)	C2orf28 (2.3)
MRPL35 (2.6)	MRPL33 (2.5)	PPIP5K1 (2.2)	PDIA3 (2.1)	SDCBP (2.1)
CCDC121 (2.3)	ENSG00000222035 (2	CASC4 (2.2)	ZNF664 (2.1)	SDC1 (1.9)
CCDC121 (2.3)	ENSG00000222035 (2	CASC4 (2.2)	ZNF664 (2.1)	SDC1 (1.9)
UCN (1.8)	NSMAF (1.8)	CGREF1 (1.8)	GATAD2A (1.6)	MRPL33 (1.6)
LSM12 (3.5)	MTCH2 (3.3)	GPN1 (2.9)	PDIA3 (2.8)	EIF3J (2.6)
HDAC5 (2.5)	MAP1A (2.2)	PDIA3 (2.2)	TAGLN (2.1)	ATG13 (2.0)
MFAP1 (2.9)	TXNL4B (2.9)	EIF3J (2.7)	SUPT7L (2.7)	ZNF259 (2.6)
BCAM (2.5)	SDC1 (2.5)	PTPN13 (2.5)	CBLC (2.5)	FNDC4 (2.3)
ABO (2.7)	RSPO3 (2.3)	BNC2 (2.3)	EMILIN1 (2.0)	LPAL2 (2.0)
PPM1G (3.4)	TOMM40 (3.4)	MTCH2 (2.9)	SNX17 (2.7)	CAD (2.5)
MLXIPL (3.5)	GPAM (3.3)	LRP4 (3.1)	PTPMT1 (2.2)	TMED5 (2.2)
IGF2R (2.2)	CITED2 (2.1)	LSM12 (2.0)	BAZ1B (2.0)	REEP1 (1.9)
ENSG00000236267 (2	ZDHHC18 (1.8)	NR1H3 (1.7)	HAVCR1 (1.6)	ENSG00000253379 (1
ENSG00000236267 (2	ZDHHC18 (1.8)	NR1H3 (1.7)	HAVCR1 (1.6)	ENSG00000253379 (1
ENSG00000236267 (2	ZDHHC18 (1.8)	NR1H3 (1.7)	HAVCR1 (1.6)	ENSG00000253379 (1
SLC22A3 (2.3)	BLK (2.1)	CETP (2.0)	ENSG00000223745 (1	IZUMO1 (1.7)
RASIP1 (2.7)	DOCK6 (2.4)	TECTB (2.4)	PLTP (2.1)	DNAJC5G (1.9)
ENSG00000257711 (2	TRIM54 (2.1)	CATSPER2 (2.1)	REEP1 (2.0)	EMILIN1 (2.0)
BLK (2.6)	COBLL1 (2.4)	CETP (2.0)	ZDHHC18 (1.9)	NFE2L3 (1.9)
ENSG00000179523 (2	ENSG00000223522 (2	UBXN2B (2.1)	PGS1 (2.0)	FUT2 (1.9)
SFN (2.1)	TSSK6 (2.0)	DOCK7 (2.0)	C8orf12 (2.0)	LINC00208 (2.0)
UBXN2B (2.0)	IZUMO1 (1.9)	CMIP (1.9)	NEIL2 (1.8)	ENSG00000234945 (1
ENSG00000234945 (2	ATP13A1 (2.1)	G6PC3 (2.1)	SUPT7L (2.1)	MPV17 (2.0)
ENSG00000257711 (3	CCDC121 (2.9)	C8orf49 (2.7)	ENSG00000234945 (2	DNAH10 (2.1)
DR1 (2.4)	KDM3A (2.3)	NUP160 (2.3)	SIK3 (2.2)	KBTBD4 (2.1)
SIK3 (2.6)	SIDT2 (2.5)	C2orf16 (2.5)	PTPRJ (2.3)	NFE2L3 (2.1)
MAPRE3 (2.5)	DPYSL5 (2.4)	MAPK10 (2.3)	TRNP1 (2.2)	CMIP (2.2)

APOA4 (3.1)	TRNP1 (3.1)	FZD9 (3.1)	RBKS (2.7)	FUT2 (2.7)
INTS10 (3.2)	DHX38 (2.9)	MFAP1 (2.8)	DR1 (2.8)	SUGP1 (2.8)
NOP58 (3.1)	DHODH (3.1)	MFAP1 (3.0)	POLR1A (3.0)	ZNF259 (2.4)
SLC22A1 (2.5)	SOST (2.3)	BNC2 (2.2)	ENSG00000182329 (2	FGF21 (1.8)
FRMD5 (3.3)	GATA4 (3.2)	NDUFS3 (2.6)	PLTP (2.3)	AFF1 (2.2)
PCSK7 (3.5)	PDIA3 (3.2)	PIGV (3.1)	PREB (2.9)	C2orf28 (2.7)
EIF3J (3.3)	NDUFS3 (3.3)	NFE2L3 (3.2)	GPN1 (3.1)	IMMT (3.0)
TXNL4B (2.7)	ZNF259 (2.7)	ATG4C (2.7)	GPN2 (2.6)	NEIL2 (2.4)
MTF2 (2.6)	USP1 (2.6)	ZNF335 (2.5)	FEN1 (2.4)	GTF3C2 (2.3)
GTF3C2 (1.9)	BCL7B (1.8)	ENSG00000200241 (1	CHMP3 (1.8)	NR1H3 (1.6)
CTDSPL2 (3.8)	DDB2 (3.7)	MTF2 (3.2)	NUP160 (3.0)	ZNF512 (2.5)
C2orf16 (2.1)	LINC00208 (2.1)	HAPLN4 (2.0)	ENSG00000222035 (2	MAP1A (1.7)
TUBGCP4 (2.0)	CD300LG (1.9)	CBLC (1.7)	LPAR2 (1.6)	TMEM101 (1.6)
ZDHHC18 (2.2)	CCDC92 (2.0)	NSMAF (1.6)	BRE (1.5)	C2orf16 (1.5)
SUMO1 (2.2)	MTMR9 (2.2)	ARHGAP1 (2.0)	CCDC92 (1.9)	APOC1 (1.9)
DOCK7 (2.3)	ENSG00000235545 (2	PACSIN3 (2.0)	C11orf9 (1.9)	DPYSL5 (1.8)
EIF2B4 (2.7)	SNX17 (2.7)	TOMM40 (2.6)	ARFGAP2 (2.6)	MTCH2 (2.6)
JMJD1C (2.4)	MTF2 (2.1)	CKAP5 (2.0)	AFF1 (1.9)	IFT172 (1.9)
UCN (2.6)	C8orf12 (2.6)	PACSIN3 (2.5)	FUT1 (2.5)	MAP1A (2.4)
ABHD1 (2.5)	FRMD5 (2.1)	MRPL35 (2.0)	MTCH2 (2.0)	KHK (2.0)
PREB (3.0)	ATG4C (2.9)	EIF3J (2.8)	MPV17 (2.5)	NOP58 (2.5)
ZNF335 (2.6)	RASIP1 (2.6)	HDAC5 (2.6)	JMJD1C (2.4)	ZNF513 (2.3)
LPAL2 (2.5)	EMILIN1 (2.5)	RSPO3 (2.3)	SDC1 (2.0)	PTPN13 (2.0)
ACP2 (2.4)	CSGALNACT1 (2.1)	NR1H3 (2.1)	LPAR2 (2.1)	APOA4 (1.9)
NFE2L3 (2.9)	NDUFS3 (2.6)	GPN2 (2.5)	PDIA3 (2.3)	SNX17 (2.2)
MTF2 (2.3)	PTPN13 (2.2)	PBX4 (2.0)	AFF1 (2.0)	ARID1A (1.6)
NAT2 (2.5)	PBX4 (2.4)	RBKS (2.1)	FGF21 (2.0)	ENSG00000222035 (2
MRPL33 (2.0)	AGBL2 (1.9)	ZNF513 (1.8)	KRTCAP3 (1.8)	CBLC (1.5)
ENSG00000254235 (2	NEIL2 (1.9)	PBX4 (1.9)	PCSK7 (1.8)	MTMR9 (1.8)
CSGALNACT1 (2.3)	PMFBP1 (2.2)	SLC22A3 (2.1)	MAPK10 (2.0)	CMIP (2.0)
SDCBP (2.0)	GATAD2A (2.0)	FAM167A (1.9)	EPB41L3 (1.7)	TRNP1 (1.7)
CAD (2.7)	ARID1A (2.7)	ZNF513 (2.7)	KBTBD4 (2.6)	BAZ1B (2.6)
DNAH10 (2.2)	SLC5A6 (2.1)	C17orf105 (2.0)	FUT2 (1.9)	ENSG00000235545 (1
WDR76 (2.8)	TRIB1 (2.6)	BAZ1B (2.4)	PPM1G (2.2)	CKAP5 (2.1)
CBLC (3.0)	FUT2 (2.6)	C11orf49 (2.3)	HARBI1 (2.2)	FUT1 (2.2)
TRIM54 (3.9)	PACSIN3 (3.9)	TAGLN (3.3)	BCAM (3.2)	ZNF664 (2.7)
PAFAH1B2 (2.7)	REEP3 (2.6)	PCSK7 (2.5)	MADD (2.2)	JMJD1C (2.2)
AFF1 (2.3)	BCL7B (2.2)	CAD (2.2)	PLA2G6 (2.1)	PIGV (2.0)
PCSK7 (2.5)	PBX4 (2.3)	TIMD4 (2.0)	SLC22A3 (1.8)	ZNF513 (1.7)
CMIP (2.2)	FUT1 (2.2)	BRE (2.1)	VEGFA (2.0)	SLC30A3 (1.9)
NRBF2 (2.2)	TMED5 (2.1)	NSMAF (2.0)	RBKS (1.9)	MAFF (1.9)
IZUMO1 (2.5)	SFN (2.4)	GMIP (2.3)	PBX4 (2.3)	DDB2 (2.2)
SLC5A6 (2.7)	DPYSL5 (2.3)	ANGPTL4 (2.3)	PPIP5K1 (2.3)	HP (2.3)
ENSG00000234945 (2	HP (2.8)	PGS1 (2.3)	NRBF2 (2.2)	PMFBP1 (1.9)
ENSG00000234945 (2	TDH (2.5)	TIMD4 (2.4)	PTPMT1 (2.1)	CETP (2.1)
ABHD1 (2.3)	CCDC121 (2.3)	DNAJC5G (2.0)	FZD9 (2.0)	UCN (2.0)
NOP58 (3.1)	MFAP1 (3.0)	INTS10 (2.9)	SUGP1 (2.8)	DHX38 (2.8)
EIF2B4 (3.1)	ENSG00000255020 (2	PREB (2.3)	MRPL35 (2.3)	SNX17 (2.2)
EIF2B4 (3.1)	ENSG00000255020 (2	PREB (2.3)	MRPL35 (2.3)	SNX17 (2.2)
EIF2B4 (3.1)	ENSG00000223745 (3	PTCD3 (2.8)	EIF3J (2.8)	DHODH (2.8)

CLPTM1 (2.4)	C11orf49 (2.2)	NRBP1 (2.1)	SNX17 (2.1)	MAU2 (2.0)
FDFT1 (2.2)	PLA2G6 (2.2)	HARBI1 (2.0)	PCIF1 (1.7)	UBXN2B (1.7)
GPN1 (3.2)	PTCD3 (3.1)	CTDSPL2 (2.9)	CKAP5 (2.7)	INTS10 (2.7)
GATAD2A (2.9)	NRBP1 (2.7)	CHMP3 (2.5)	NRBF2 (2.2)	FNDC4 (2.1)
C1orf172 (2.4)	ENSG00000182319 (2	FAM167A (2.3)	SUMO1 (2.2)	BCAM (2.1)
BUD13 (2.8)	TXNL4B (2.7)	ZNF259 (2.7)	GPN2 (2.5)	DR1 (2.3)
C2orf28 (1.9)	C2orf16 (1.8)	DHODH (1.8)	NSMAF (1.7)	LSM12 (1.7)
TRNP1 (2.1)	CHMP3 (2.1)	HAPLN4 (2.0)	PCIF1 (2.0)	JMJD1C (2.0)
C1orf172 (2.3)	ENSG00000257711 (1	SDC1 (1.8)	PTPN13 (1.7)	FUT2 (1.6)
SUGP1 (2.4)	FNBP4 (2.2)	SUPT7L (2.2)	HAPLN4 (2.2)	JMJD1C (2.2)
ZDHHC18 (2.5)	SUMO1 (2.1)	BCL3 (2.1)	TMED5 (2.0)	DUSP3 (2.0)
PYY (2.4)	IFT172 (2.1)	STRC (2.0)	FZD9 (2.0)	PVRL2 (1.9)
GPAM (3.6)	PLA2G6 (2.7)	LPAL2 (2.7)	MLXIPL (2.5)	CYP7A1 (2.2)
GPAM (3.6)	PLA2G6 (2.7)	LPAL2 (2.7)	MLXIPL (2.5)	CYP7A1 (2.2)
MTF2 (2.4)	NUP160 (2.3)	PCIF1 (2.0)	BUD13 (2.0)	PPM1G (1.9)
ATG13 (4.0)	IFT172 (3.3)	NRBP1 (3.3)	PDIA3 (3.1)	ARHGAP1 (3.0)
ATG13 (4.0)	IFT172 (3.3)	NRBP1 (3.3)	PDIA3 (3.1)	ARHGAP1 (3.0)
FUT2 (3.5)	CYP26A1 (3.3)	SOST (2.8)	FZD9 (2.4)	FAM167A (2.3)
MRPL33 (1.9)	ENSG00000255020 (1	STRC (1.8)	TDH (1.7)	AGBL2 (1.6)
NRBF2 (2.6)	COBLL1 (2.4)	ATG13 (2.4)	MADD (2.1)	C17orf105 (2.1)
CASC4 (2.3)	NAGS (2.2)	CCDC121 (2.1)	FAM167A (2.1)	ZNF664 (2.0)
TMEM101 (3.5)	TMED5 (3.4)	ACP2 (3.3)	TBL2 (2.8)	PIGV (2.8)
ENSG00000235545 (2	ENSG00000222035 (2	C2orf53 (1.9)	ENSG00000256731 (1	ENSG00000257711 (1
AGBL2 (2.1)	NRBF2 (2.1)	CASC4 (2.1)	TMEM175 (2.1)	ENSG00000223745 (2
PGS1 (2.0)	PBX4 (2.0)	ENSG00000255020 (1	ZDHHC18 (1.8)	ENSG00000256746 (1
GATAD2A (2.8)	NOP58 (2.7)	BAZ1B (2.7)	BCL7B (2.6)	ZNF259 (2.6)
CGREF1 (2.2)	PAFAH1B2 (2.0)	EPB41L3 (1.9)	DNAJC5G (1.8)	MAP1A (1.8)
CTDSPL2 (2.7)	SPG11 (2.4)	UBXN2B (2.3)	BAZ1B (2.2)	KANK2 (2.2)
ENSG00000236267 (1	NCAN (1.9)	ENSG00000253379 (1	ZNF513 (1.8)	FZD9 (1.8)
PACSIN3 (2.8)	ZDHHC18 (2.8)	PLA2G6 (2.5)	C1QTNF4 (2.3)	SUGP1 (2.2)
MAFF (1.9)	PMFBP1 (1.7)	LINC00208 (1.5)	C1QTNF4 (1.5)	IFT172 (1.5)
ENSG00000182329 (2	SLC5A6 (2.3)	NAGS (2.0)	ANGPTL3 (1.9)	TM6SF2 (1.9)
RBKS (2.1)	KHK (2.0)	ENSG00000182329 (1	ENSG00000223745 (1	PLA2G6 (1.8)
TMEM175 (2.3)	SPG11 (2.2)	AGBL2 (2.1)	NRBF2 (2.0)	FUT2 (2.0)
TMEM175 (2.3)	SPG11 (2.2)	AGBL2 (2.1)	NRBF2 (2.0)	FUT2 (2.0)
NRBP1 (3.0)	ARID1A (2.6)	GTF3C2 (2.4)	PAFAH1B2 (2.2)	MTF2 (2.1)
BCL7B (2.6)	ENSG00000236267 (2	PIGV (2.4)	PAFAH1B2 (2.3)	TMEM101 (2.1)
NR0B2 (2.0)	CYP26A1 (1.9)	FUT2 (1.9)	ATG13 (1.9)	ENSG00000223522 (1
REEP1 (2.4)	CASC4 (2.4)	KLF14 (2.2)	DR1 (2.1)	DPYSL5 (2.0)
CELF1 (2.2)	CSGALNACT1 (2.1)	CLPTM1 (2.0)	TRIB1 (2.0)	BMPR2 (2.0)
RSPO3 (2.6)	ENSG00000182319 (2	IFT172 (2.1)	ENSG00000255020 (1	C8orf49 (1.9)
ACP2 (2.0)	ENSG00000234945 (2	KRTCAP3 (2.0)	CGREF1 (2.0)	NSMAF (2.0)
ACP2 (2.0)	ENSG00000234945 (2	KRTCAP3 (2.0)	CGREF1 (2.0)	NSMAF (2.0)
AFF1 (2.3)	CKAP5 (2.2)	KDM3A (2.2)	JMJD1C (2.1)	SDCBP (2.1)
CSGALNACT1 (2.3)	PMFBP1 (2.1)	CMIP (2.0)	MAPK10 (1.9)	SLC22A3 (1.9)
MAPK10 (1.7)	CELF1 (1.6)	C1QTNF4 (1.6)	ENSG00000235545 (1	ENSG00000226645 (1
NRBP1 (2.1)	HARBI1 (2.1)	SDCBP (2.0)	ZNF512 (2.0)	NOP58 (1.9)
ATG4C (2.4)	AMBRA1 (2.3)	KRTCAP3 (2.2)	MAU2 (2.1)	JMJD1C (2.1)
ATG4C (2.4)	AMBRA1 (2.3)	KRTCAP3 (2.2)	MAU2 (2.1)	JMJD1C (2.1)
CLPTM1 (2.4)	ATP13A1 (2.4)	GATAD2A (2.3)	GMIP (2.2)	MADD (2.2)

FADS2 (2.7)	GALNT2 (2.6)	ZNF408 (2.4)	SDCBP (2.4)	PDIA3 (2.2)
PVRL2 (2.5)	CD300LG (2.4)	UCN (2.2)	SLC30A3 (2.2)	TSSK6 (2.1)
KBTBD4 (2.6)	NRBP1 (2.6)	ARFGAP2 (2.5)	CKAP5 (2.3)	CELF1 (2.3)
ENSG00000223745 (2	SNX17 (2.4)	PTCD3 (2.3)	C2orf28 (2.2)	KDM3A (2.2)
STRC (2.3)	MAMSTR (2.1)	NEIL2 (2.0)	DNAJC5G (2.0)	TSSK6 (1.9)
FUT1 (2.4)	ATG4C (2.3)	ENSG00000255020 (2	CSGALNACT1 (2.1)	DOCK6 (2.0)
IGF2R (2.1)	ACP2 (1.9)	SLC22A3 (1.8)	PREB (1.8)	PCSK7 (1.7)
G6PC3 (2.8)	CYP26A1 (2.8)	ENSG00000182329 (2	PTPN13 (2.3)	IFT172 (1.9)
BCL7B (2.5)	HDAC5 (2.4)	JMJD1C (2.4)	ENSG00000222035 (2	PCSK7 (2.2)
CATSPER2 (2.3)	TAGLN (2.1)	TM6SF2 (2.1)	C8orf12 (2.0)	ARHGAP1 (1.9)
ATP13A1 (2.7)	ARFGAP2 (2.6)	DHODH (2.6)	MPV17 (2.5)	HARBI1 (2.4)
ENSG00000236267 (1	PTPMT1 (1.9)	SUPT7L (1.8)	STRC (1.8)	CTSB (1.7)
ENSG00000236267 (1	PTPMT1 (1.9)	SUPT7L (1.8)	STRC (1.8)	CTSB (1.7)
ZDHHC18 (2.7)	DOCK7 (2.3)	BLK (2.1)	CMIP (2.1)	TRNP1 (1.9)
CCDC18 (2.6)	KRTCAP3 (2.5)	SLC30A3 (2.4)	BNC2 (2.3)	NEIL2 (1.8)
MPP2 (2.4)	DPYSL5 (2.4)	ENSG00000254235 (2	NAT2 (2.1)	CCDC92 (2.1)
CCDC18 (2.4)	AMBRA1 (2.1)	DOCK7 (2.0)	CAD (2.0)	DNAJC5G (1.8)
SUMO1 (2.6)	TXNL4B (2.4)	INTS10 (2.2)	ZNF335 (2.2)	ZNF259 (2.0)
PPM1G (2.2)	BCL7B (2.0)	ZNF664 (1.9)	DR1 (1.7)	RIC8B (1.7)
PPM1G (2.2)	BCL7B (2.0)	ZNF664 (1.9)	DR1 (1.7)	RIC8B (1.7)
PPM1G (2.2)	BCL7B (2.0)	ZNF664 (1.9)	DR1 (1.7)	RIC8B (1.7)
MPP2 (2.5)	NFE2L3 (2.3)	MAPK10 (2.2)	MAP1A (2.2)	UCN (2.2)
BCL3 (2.1)	NRBF2 (2.1)	BLK (2.1)	PGS1 (1.8)	FNDC4 (1.7)
DHODH (2.7)	TXNL4B (2.6)	GPN2 (2.5)	PTCD3 (2.3)	LSM12 (2.3)
POLR1A (2.5)	DHODH (2.5)	MPV17 (2.3)	NOP58 (2.3)	TOMM40 (2.2)
ZDHHC18 (2.6)	PCSK7 (2.4)	FNBP4 (2.4)	IGF2R (2.3)	ATG13 (2.3)
C2orf53 (2.7)	NCAN (2.5)	ENSG00000235545 (2	FZD9 (2.1)	FAM167A (2.0)
NEIL2 (2.3)	TBL2 (2.2)	PTCD3 (2.2)	APOA4 (2.1)	IMMT (2.1)
DUSP3 (2.3)	PCSK7 (2.0)	HDAC5 (2.0)	ATG4C (1.8)	MTMR9 (1.8)
NDUFS3 (3.4)	MRPL35 (2.7)	PREB (2.5)	SNX17 (2.5)	ARFGAP2 (2.3)
NDUFS3 (3.4)	MRPL35 (2.7)	PREB (2.5)	SNX17 (2.5)	ARFGAP2 (2.3)
NDUFS3 (3.4)	MRPL35 (2.7)	PREB (2.5)	SNX17 (2.5)	ARFGAP2 (2.3)
TMEM101 (1.7)	ABO (1.6)	SLC5A6 (1.6)	RFX4 (1.5)	ENSG00000257711 (1
SLC30A3 (2.2)	DOCK6 (2.1)	TSSK6 (2.0)	LRP4 (1.9)	CYP7A1 (1.8)
ENSG00000235545 (2	DOCK7 (2.6)	PTPRJ (2.6)	CMIP (2.2)	CELF1 (2.1)
SIDT2 (2.6)	REEP1 (2.6)	TMEM175 (2.5)	IGF2R (2.5)	MAPRE3 (2.4)
HAPLN4 (2.4)	DPYSL5 (2.1)	ATP13A1 (2.0)	PPIP5K1 (1.9)	APOE (1.9)
LPAL2 (2.0)	ENSG00000235545 (1	ENSG00000254235 (1	PGS1 (1.7)	SIK3 (1.7)
UCN (1.7)	CGREF1 (1.7)	DPYSL5 (1.7)	MRPL33 (1.6)	GATAD2A (1.5)
MADD (2.3)	NSMAF (2.3)	BUD13 (2.2)	PAFAH1B2 (2.2)	FNBP4 (2.1)
ENSG00000182329 (2	DR1 (2.0)	RIC8B (1.9)	CMIP (1.9)	DHX38 (1.7)
NDUFS3 (3.1)	MRPL35 (2.9)	PREB (2.4)	ENSG00000255020 (2	SNX17 (2.2)
DHX38 (3.5)	DHODH (2.6)	NUP160 (2.6)	TOMM40 (2.5)	CATSPER2 (2.3)
EIF2B4 (3.3)	MRPL35 (2.9)	ARFGAP2 (2.7)	SNX17 (2.4)	PREB (2.3)
ZNF335 (2.1)	BCAM (1.9)	CHMP3 (1.9)	ABO (1.8)	NRBP1 (1.8)
JMJD1C (2.6)	FUT2 (2.5)	DHX38 (2.2)	C1orf172 (2.0)	NRBP1 (1.7)
TMEM101 (2.7)	TDH (2.4)	KRTCAP3 (2.3)	EPB41L3 (2.2)	SDC1 (2.1)
ENSG00000254235 (1	LPAL2 (1.9)	SIK3 (1.8)	PGS1 (1.8)	ENSG00000235545 (1
ENSG00000254235 (1	LPAL2 (1.9)	SIK3 (1.8)	PGS1 (1.8)	ENSG00000235545 (1
TRIB1 (2.4)	USP1 (2.4)	NUP160 (2.3)	NOP58 (2.2)	EIF3J (2.2)

DHX38 (3.2)	MAU2 (3.1)	PCSK7 (3.1)	IFT172 (3.0)	PGS1 (2.9)
PTPN13 (2.2)	EPB41L3 (2.1)	FAM167A (2.1)	MAMSTR (1.9)	CELF1 (1.9)
BCL3 (2.4)	NCAN (2.4)	TSSK6 (2.3)	MAMSTR (2.1)	MPP3 (1.9)
FUT2 (2.3)	PBX4 (2.2)	IZUMO1 (2.1)	SDCBP (2.0)	CASC4 (1.9)
MAU2 (2.2)	AMBRA1 (2.1)	PVRL2 (2.0)	NRBP1 (1.9)	CLPTM1 (1.9)
ZNF513 (2.2)	BCL3 (2.2)	PPY (2.2)	ZNF408 (2.1)	PIGV (2.1)
MAP1A (2.6)	RSPO3 (2.4)	MPP3 (2.4)	CMIP (2.2)	MTMR9 (2.1)
FADS2 (3.3)	ATP13A1 (2.8)	ATG13 (2.6)	TBL2 (2.5)	PREB (2.5)
LRP4 (2.6)	FZD9 (2.0)	PBX4 (1.9)	SLC5A6 (1.8)	ENSG00000182319 (1
NRBF2 (2.2)	REEP1 (2.2)	BRE (2.2)	HDAC5 (1.9)	GALNT2 (1.8)
EIF3J (2.5)	ZNF335 (2.3)	SUGP1 (2.3)	DR1 (2.2)	INTS10 (2.1)
DOCK6 (1.6)	BLK (1.5)	SIK3 (1.5)	PTPMT1 (1.4)	MAU2 (1.4)
C2orf28 (2.7)	REEP3 (2.7)	KBTBD4 (2.5)	SIDT2 (2.2)	GALNT2 (2.1)
TBL2 (3.6)	PDIA3 (3.5)	HARBI1 (3.0)	CKAP5 (2.7)	NDUFS3 (2.6)
GPN1 (2.5)	ZNF512 (2.3)	C2orf28 (2.0)	CAD (1.9)	UBXN2B (1.8)
TMED5 (2.2)	BCAM (2.1)	ENSG00000257711 (2	GALNT2 (2.0)	MTMR9 (2.0)
PDIA3 (2.5)	F2 (2.2)	APOA5 (2.0)	TMEM101 (2.0)	HAPLN4 (1.9)
ENSG00000256746 (1	ENSG00000256731 (1	C2orf53 (1.7)	ZDHHC18 (1.5)	ENSG00000222035 (1
ABO (2.5)	TRNP1 (2.4)	CD300LG (2.3)	PYY (2.0)	TECTB (2.0)
GATAD2A (2.3)	SFN (2.3)	MAU2 (2.1)	LINC00208 (2.1)	CYP26A1 (2.1)
PDIA3 (2.9)	TOMM40 (2.6)	CLPTM1 (2.6)	SNX17 (2.5)	FDFT1 (2.5)
IMMT (2.6)	EIF3J (2.4)	DHX38 (2.4)	TOMM40 (2.2)	SUMO1 (2.2)
BAZ1B (2.6)	ZNF259 (2.5)	GATAD2A (2.5)	KLF14 (2.5)	ARFGAP2 (2.4)
CMIP (2.5)	IGF2R (2.2)	ARID1A (2.0)	CELF1 (1.9)	PIGV (1.8)
POLR1A (3.3)	DR1 (3.2)	GPN2 (3.1)	DHX38 (2.8)	CAD (2.8)
PDIA3 (2.4)	TMEM214 (2.1)	APOC3 (1.8)	SUGP1 (1.8)	DNAJC5G (1.7)
INTS10 (2.0)	AMBRA1 (1.8)	BAZ1B (1.8)	ENSG00000257711 (1	GPN2 (1.7)
SUMO1 (1.9)	ENSG00000236267 (1	NOP58 (1.7)	NSMAF (1.6)	FNBP4 (1.6)
SUMO1 (1.9)	ENSG00000236267 (1	NOP58 (1.7)	NSMAF (1.6)	FNBP4 (1.6)
SUMO1 (1.9)	ENSG00000236267 (1	NOP58 (1.7)	NSMAF (1.6)	FNBP4 (1.6)
MAFF (2.6)	NRBF2 (2.5)	NEIL2 (2.4)	NFE2L3 (2.4)	LPAR2 (2.3)
GPN1 (2.1)	GATAD2A (2.1)	NOP58 (2.1)	PTCD3 (2.0)	SUGP1 (1.8)
MADD (2.7)	TMEM175 (2.6)	MAPRE3 (2.5)	SIDT2 (2.4)	IGF2R (2.4)
KLF14 (2.4)	DPYSL5 (2.3)	TUBGCP4 (2.2)	TRNP1 (2.2)	PAFAH1B2 (2.1)
GALNT2 (2.4)	BRE (2.1)	PAFAH1B2 (2.0)	NRBP1 (2.0)	ARID1A (2.0)
PPIP5K1 (2.8)	MPP3 (2.6)	APOE (2.4)	ABCA1 (2.2)	MAPRE3 (2.2)
MTF2 (2.7)	MFAP1 (2.6)	SUGP1 (2.6)	DR1 (2.5)	MRPL33 (2.5)
CTSB (2.2)	G6PC3 (2.0)	CGREF1 (1.9)	CYP26A1 (1.9)	MPP3 (1.9)
KRTCAP3 (2.2)	ENSG00000256746 (1	CSGALNACT1 (1.7)	PIGV (1.7)	TSSK6 (1.5)
SLC22A3 (2.2)	NEIL2 (2.1)	TSSK6 (2.0)	ENSG00000256731 (1	ENSG00000223522 (1
PCIF1 (2.8)	EIF3J (2.6)	MFAP1 (2.5)	ZNF512 (2.5)	DR1 (2.5)
SNX17 (2.1)	USP1 (2.0)	UBXN2B (2.0)	BLK (1.9)	ZDHHC18 (1.8)
BNC2 (2.4)	ENSG00000234945 (2	ENSG00000235545 (2	SDC1 (2.2)	C8orf12 (2.1)
SNX17 (2.0)	TSSK6 (1.9)	MAPRE3 (1.9)	TECTB (1.8)	FUT2 (1.8)
DNAH10 (2.6)	ENSG00000226645 (2	TDH (2.2)	ENSG00000223522 (2	LPAR2 (2.1)
COBLL1 (2.4)	ENSG00000226645 (2	NFE2L3 (1.9)	BLK (1.9)	ACP2 (1.8)
NFE2L3 (2.5)	PTPRJ (2.5)	PDIA3 (2.2)	NEIL2 (2.2)	MAFF (2.1)
C11orf9 (2.0)	ENSG00000182319 (2	KANK2 (2.0)	DUSP3 (2.0)	TRIM54 (1.8)
OST4 (2.6)	FEN1 (2.6)	IFT172 (2.2)	SUGP1 (2.1)	DOCK7 (2.1)
COBLL1 (2.2)	GATAD2A (1.9)	NRBP1 (1.8)	WDR76 (1.7)	ATG13 (1.7)

C17orf105 (2.2)
NSMAF (2.0)
ENSG00000256746 (2
LRP4 (2.3)
MAPRE3 (2.5)
ARHGAP1 (2.2)
REEP1 (2.8)
PCSK7 (2.4)
C1orf172 (2.2)
C8orf49 (3.0)
IGF2R (3.0)
PIGV (2.1)
CELF1 (2.9)
FUT1 (2.5)
BUD13 (2.3)
CKAP5 (2.8)
PTPRJ (2.6)
GTF3C2 (2.6)
DDB2 (2.5)
SIDT2 (2.3)
MFAP1 (3.2)
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TUBGCP4 (2.4)
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PTPN13 (2.4)
TDH (2.7)
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CETP (3.1)
PVRL2 (2.4)
CILP2 (3.0)
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PLA2G6 (2.1)
AFF1 (2.3)
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C2orf16 (1.9)
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AMBRA1 (3.3)
TSSK6 (2.0)
PTPN13 (2.1)

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RSPO3 (2.3)
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ABO (2.3)
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NSMAF (2.0)
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PIGV (3.1)
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CILP2 (2.1)
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GPN2 (3.0)
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AFF1 (1.9)

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PBX4 (2.0)
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MPP3 (2.4)
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TECTB (1.8)
TUBGCP4 (3.1)
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REEP1 (1.8)

MAMSTR (1.9)
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FUT1 (1.7)
SDC1 (1.9)
TRNP1 (1.9)
PTPRJ (1.8)
BNC2 (2.2)
NFE2L3 (1.8)
UBXN2B (1.7)
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NEIL2 (1.8)
BUD13 (2.6)
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ZDHHC18 (2.1)
CELF1 (2.1)
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IGF2R (1.9)
BUD13 (2.6)
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REEP3 (1.8)
TM6SF2 (1.9)
PBX4 (1.9)
KLF14 (2.4)
CAD (2.3)
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ARHGAP1 (2.1)
EIF3J (2.3)
PBX4 (1.7)
MRPL35 (2.5)
TECTB (1.7)
C2orf16 (2.9)
CCDC92 (1.9)
LRP4 (1.8)
PTPRJ (1.9)
RIC8B (1.9)
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BLK (1.9)
GTF3C2 (2.1)
PTCD3 (2.4)
PMFBP1 (1.6)
KBTBD4 (2.2)
GALNT2 (1.5)
EPB41L3 (1.7)

FNDC4 (2.9)	FAM167A (2.8)	MAP1A (2.7)	LRP4 (2.4)	PTPN13 (2.1)
SUMO1 (1.7)	NFE2L3 (1.6)	DPYSL5 (1.6)	UCN (1.5)	CGREF1 (1.5)
C1QTNF4 (2.8)	ENSG00000257711 (2	HARBI1 (2.0)	RIC8B (1.9)	ENSG00000254235 (1
AFF1 (2.3)	BAZ1B (2.2)	HARBI1 (2.2)	AMBRA1 (2.0)	TXNL4B (1.9)
COBLL1 (2.3)	PTPRJ (2.2)	ARHGAP1 (2.1)	SIDT2 (1.8)	TRIM54 (1.7)
KRTCAP3 (2.8)	SFN (2.8)	LPAR2 (2.4)	SDC1 (2.2)	CMIP (2.1)
MAU2 (2.8)	HDAC5 (2.8)	PPM1G (2.5)	CMIP (2.4)	ZNF335 (2.2)
IMMT (3.5)	PTCD3 (3.5)	CAD (3.5)	ATP13A1 (3.2)	ZNF512 (3.1)
ZNF259 (2.7)	ZNF513 (2.7)	TXNL4B (2.6)	DR1 (2.6)	GPN2 (2.6)
FEN1 (3.4)	ENSG00000223745 (2	MTF2 (2.7)	ARID1A (2.1)	NUP160 (2.0)
GATA4 (3.4)	PACSIN3 (3.3)	IMMT (2.1)	BCAM (2.0)	PLTP (1.9)
CMIP (2.5)	ZNF335 (2.3)	TOMM40 (2.2)	GATA4 (2.0)	GALNT2 (1.9)
MPV17 (2.7)	WDR76 (2.7)	MTF2 (2.1)	GPN1 (2.1)	CATSPER2 (2.1)
GATAD2A (2.2)	NRBP1 (2.1)	C8orf12 (2.0)	REEP3 (2.0)	ZNF259 (1.9)
RIC8B (2.5)	INTS10 (2.5)	TMEM101 (2.5)	MTMR9 (2.5)	KBTBD4 (2.5)
BUD13 (2.6)	DOCK6 (2.6)	LPAR2 (2.3)	ENSG00000256746 (2	FUT1 (2.1)
CD300LG (2.4)	TMEM175 (2.2)	SLC5A6 (2.0)	DOCK6 (2.0)	CCDC92 (1.9)
CHMP3 (2.4)	SIDT2 (2.3)	IGF2R (2.3)	CGREF1 (2.2)	TRNP1 (2.1)
ENSG00000223745 (2	ZNF664 (2.1)	ZNF512 (2.0)	FNBP4 (1.8)	DHODH (1.8)
VEGFA (2.3)	CCDC92 (2.1)	DUSP3 (2.1)	LPAR2 (2.0)	PAFAH1B2 (2.0)
FZD9 (2.3)	PACSIN3 (2.2)	IGF2R (2.1)	CLPTM1 (2.0)	SDC1 (1.9)
EIF3J (3.2)	PTCD3 (3.0)	POLR1A (2.9)	PPM1G (2.6)	GPN2 (2.4)
PREB (3.2)	NDUFS3 (3.0)	SNX17 (3.0)	RIC8B (2.9)	C2orf28 (2.8)
PREB (3.2)	NDUFS3 (3.0)	SNX17 (3.0)	RIC8B (2.9)	C2orf28 (2.8)
TOMM40 (2.5)	RIC8B (2.4)	PLA2G6 (2.4)	C1QTNF4 (2.1)	ENSG00000222035 (2
ENSG00000254235 (1	SIDT2 (1.6)	NFE2L3 (1.5)	BNC2 (1.5)	ENSG00000253379 (1
DHODH (3.0)	MPV17 (2.8)	EIF3J (2.5)	ARFGAP2 (2.5)	PTCD3 (2.5)
NRBF2 (2.2)	ZNF259 (2.1)	ANGPTL4 (2.0)	ENSG00000255020 (2	BUD13 (1.9)
KRTCAP3 (3.0)	CBLC (2.5)	PCSK7 (2.2)	TDH (2.1)	ABHD1 (2.0)
MTF2 (2.7)	CLPTM1 (2.6)	DR1 (2.6)	TMEM101 (2.6)	ENSG00000256746 (2
PPM1G (2.8)	ZNF259 (2.7)	IMMT (2.4)	SLC22A3 (2.4)	CCDC121 (2.3)
PTPRJ (2.4)	EPB41L3 (2.3)	BLK (2.2)	TRNP1 (2.1)	JMJD1C (1.8)
ENSG00000234945 (2	CTSB (2.1)	SIDT2 (2.0)	MPV17 (1.9)	PIGV (1.9)
PTPRJ (2.7)	BCL3 (2.5)	LPAR2 (2.5)	ZDHHC18 (2.4)	NFE2L3 (2.3)
PTPRJ (2.7)	BCL3 (2.5)	LPAR2 (2.5)	ZDHHC18 (2.4)	NFE2L3 (2.3)
LSM12 (2.3)	ZNF512 (2.1)	LINC00208 (2.1)	ZNF664 (2.1)	USP1 (2.0)
CITED2 (2.4)	CYP26A1 (2.1)	CILP2 (2.0)	DPYSL5 (1.9)	LRP4 (1.9)
PTPMT1 (2.9)	MTCH2 (2.9)	MRPL33 (2.6)	MRPL35 (2.4)	PPIP5K1 (2.4)
DR1 (2.4)	PAFAH1B2 (2.1)	C8orf12 (2.1)	MAFF (2.1)	UCN (2.1)
APOA4 (2.8)	TM6SF2 (2.5)	ENSG00000226645 (2	MAU2 (2.4)	MAFF (2.3)
KLF14 (2.6)	PYY (2.5)	CHMP3 (2.4)	LSM12 (2.4)	PCSK7 (2.2)
ENSG00000235545 (2	NEIL2 (1.9)	ENSG00000234945 (1	LINC00208 (1.7)	ZDHHC18 (1.7)
AGBL5 (2.2)	SUMO1 (2.1)	PTPRJ (2.0)	LSM12 (2.0)	GALNT2 (2.0)
MTF2 (3.0)	BUD13 (3.0)	ZNF664 (2.9)	GATAD2A (2.9)	CTDSPL2 (2.7)
NDUFS3 (3.3)	SNX17 (2.8)	MRPL35 (2.6)	PREB (2.6)	ARFGAP2 (2.5)
NDUFS3 (3.3)	SNX17 (2.8)	MRPL35 (2.6)	PREB (2.6)	ARFGAP2 (2.5)
PVRL2 (2.8)	CCDC92 (2.8)	DUSP3 (2.5)	NRBP1 (2.4)	TRNP1 (2.3)
ENSG00000257711 (1	WDR76 (1.7)	GATAD2A (1.7)	TBL2 (1.7)	TSSK6 (1.6)
DHODH (3.7)	TOMM40 (3.4)	CAD (3.1)	EIF3J (3.1)	EIF2B4 (2.9)
UBXN2B (2.4)	NAT2 (1.9)	AFF1 (1.9)	SIK3 (1.8)	PTPRJ (1.8)

CD300LG (2.8)	TECTB (2.7)	HDAC5 (2.5)	KDM3A (2.5)	LPL (2.3)
C11orf49 (2.4)	DUSP3 (2.2)	KBTBD4 (2.2)	PAFAH1B2 (2.1)	MAU2 (2.0)
EIF2B4 (3.1)	MRPL35 (2.9)	PREB (2.6)	IMMT (2.5)	PDIA3 (2.3)
TBL2 (2.5)	TMEM214 (2.5)	BCAM (2.5)	CATSPER2 (2.1)	CLPTM1 (2.1)
FUT2 (2.3)	ABHD1 (2.2)	ENSG00000235545 (1	MAPK10 (1.7)	LPAR2 (1.7)
PPM1G (2.8)	ARFGAP2 (2.7)	NDUFS3 (2.5)	SNX17 (2.5)	CELF1 (2.4)
GPN1 (2.6)	TXNL4B (2.5)	MRPL35 (2.1)	MPV17 (2.1)	ENSG00000182329 (1
CITED2 (2.7)	PGS1 (2.1)	BNC2 (2.1)	KANK2 (2.0)	NR1H3 (1.6)
MTF2 (2.2)	ZDHHC18 (2.2)	PBX4 (2.2)	IGF2R (2.0)	AFF1 (1.9)
PDIA3 (4.1)	TBL2 (4.1)	TMED5 (3.5)	REEP3 (3.5)	G6PC3 (3.4)
ENSG00000253379 (2	C8orf12 (1.7)	STRC (1.7)	CITED2 (1.6)	CCDC121 (1.6)
BCL7B (2.7)	ZDHHC18 (2.6)	PGS1 (2.3)	PPM1G (2.3)	LSM12 (2.2)
FRMD5 (2.1)	HAPLN4 (2.1)	TMED5 (2.1)	EPB41L3 (2.0)	CD300LG (2.0)
FUT1 (2.3)	NSMAF (2.2)	FNBP4 (2.2)	PAFAH1B2 (2.0)	DOCK6 (2.0)
ENSG00000182329 (2	ENSG00000257711 (2	C2orf53 (2.1)	RIC8B (1.9)	C1QTNF4 (1.9)
NDUFS3 (3.2)	MRPL35 (2.8)	SNX17 (2.5)	SUGP1 (2.4)	C2orf28 (2.2)
KANK2 (3.3)	REEP1 (3.2)	CLPTM1 (2.7)	IZUMO1 (2.2)	ATP13A1 (1.9)
MAU2 (2.5)	NAGS (2.3)	ENSG00000256731 (1	AFF1 (1.9)	AMBRA1 (1.9)
ENSG00000256731 (2	RBKS (2.3)	MAMSTR (2.1)	NR0B2 (2.1)	ENSG00000200241 (2
MRPL33 (2.7)	EIF3J (2.6)	RIC8B (2.4)	DR1 (2.2)	SUGP1 (2.1)
CCDC121 (1.8)	ENSG00000182329 (1	TSSK6 (1.7)	FZD9 (1.7)	NEIL2 (1.6)
TRIB1 (2.9)	ENSG00000182319 (2	KDM3A (2.2)	CCDC18 (2.1)	TSSK6 (2.0)
ARFGAP2 (2.8)	NFE2L3 (2.7)	INTS10 (2.7)	NDUFS3 (2.6)	GPN2 (2.6)
NRBP1 (2.2)	IFT172 (2.1)	CMIP (1.8)	MFAP1 (1.8)	BMPR2 (1.8)
ENSG00000182329 (2	PBX4 (2.6)	TSSK6 (2.5)	ENSG00000235545 (2	ABO (2.2)
COBLL1 (2.4)	NFE2L3 (1.9)	BLK (1.9)	ENSG00000226645 (1	ACP2 (1.8)
SOST (2.0)	NUP160 (1.8)	NSMAF (1.6)	DOCK7 (1.6)	CTDSPL2 (1.6)
PPY (2.0)	PYY (1.9)	MAPK10 (1.8)	ENSG00000236827 (1	MPP2 (1.6)
VEGFA (2.6)	HDAC5 (2.5)	RIC8B (2.4)	DUSP3 (2.2)	NRBF2 (2.0)
AGBL2 (2.8)	FGF21 (2.6)	DNAJC5G (2.6)	TIMD4 (2.5)	HAVCR1 (2.2)
ENSG00000235545 (2	DNAJC5G (2.1)	DUSP3 (2.1)	TECTB (2.0)	PMFBP1 (1.7)
EIF3J (2.1)	SDCBP (2.0)	MAU2 (2.0)	ABCA1 (1.9)	NRBP1 (1.8)
PTPRJ (2.6)	GMIP (2.3)	ARHGAP1 (2.3)	CGREF1 (2.1)	IGF2R (2.1)
MAPRE3 (2.6)	MPP2 (2.6)	NCAN (2.2)	EPB41L3 (2.0)	TRNP1 (1.9)
GTF3C2 (3.0)	CAD (3.0)	POLR1A (2.9)	MAU2 (2.8)	GPN2 (2.7)
C11orf9 (2.6)	CYP26A1 (2.3)	ENSG00000253379 (2	APOB (2.1)	RSPO3 (2.0)
CCDC121 (2.2)	BCL7B (2.2)	MPP3 (2.0)	NRBF2 (2.0)	ENSG00000223522 (1
CATSPER2 (2.3)	CLPTM1 (2.1)	C17orf105 (2.1)	HARBI1 (2.0)	ACP2 (1.9)
APOC1 (2.5)	NR1H3 (2.5)	RBKS (2.2)	APOE (2.2)	PLTP (2.1)
CCDC92 (2.5)	SDCBP (2.5)	HDAC5 (2.3)	ARHGAP1 (2.2)	PGS1 (2.2)
CKAP5 (2.4)	BAZ1B (2.4)	FNBP4 (2.4)	INTS10 (2.3)	SUGP1 (2.1)
SIDT2 (2.7)	EPB41L3 (2.2)	HDAC5 (2.0)	SIK3 (2.0)	TMEM214 (2.0)
APOE (2.5)	PLTP (2.4)	MPP3 (2.4)	MAPRE3 (2.1)	EPB41L3 (2.1)
LRP4 (2.5)	MAPK10 (2.4)	MADD (2.2)	VEGFA (2.1)	PTPN13 (2.1)
LRP4 (2.5)	MAPK10 (2.4)	MADD (2.2)	VEGFA (2.1)	PTPN13 (2.1)
TMED5 (3.3)	PDIA3 (2.5)	IGF2R (2.2)	G6PC3 (2.1)	GPAM (1.8)
MRPL35 (3.1)	EIF2B4 (2.8)	ARFGAP2 (2.5)	IMMT (2.2)	C2orf28 (2.2)
MTMR9 (2.4)	PLA2G6 (2.3)	SNX17 (2.2)	PCIF1 (1.9)	IFT172 (1.9)
NOP58 (2.4)	PPM1G (2.4)	CAD (2.3)	GPN1 (2.3)	ZNF259 (2.3)
NOP58 (2.4)	PPM1G (2.4)	CAD (2.3)	GPN1 (2.3)	ZNF259 (2.3)

ABO (2.2)	ENSG00000234945 (2	C1orf172 (2.1)	LPAR2 (2.0)	ENSG00000223745 (1
USP1 (3.4)	GPN1 (2.6)	MTF2 (2.4)	NUP160 (2.4)	CTDSPL2 (2.3)
CGREF1 (2.2)	SLC5A6 (2.0)	ACP2 (2.0)	MTMR9 (2.0)	TBL2 (1.9)
GALNT2 (2.2)	FUT2 (2.2)	LINC00208 (2.1)	ARFGAP2 (2.0)	DR1 (2.0)
ARHGAP1 (2.8)	SDCBP (2.4)	PTPRJ (2.3)	CHMP3 (2.0)	AFF1 (1.7)
ARHGAP1 (2.8)	SDCBP (2.4)	PTPRJ (2.3)	CHMP3 (2.0)	AFF1 (1.7)
PPIP5K1 (2.4)	CITED2 (2.4)	PDIA3 (2.3)	PTPRJ (2.3)	ARHGAP1 (2.1)
PVRL2 (2.8)	FUT1 (2.5)	FGF21 (2.4)	CCDC92 (2.4)	SFN (2.3)
SUGP1 (1.7)	ENSG00000223522 (1	ARFGAP2 (1.6)	NSMAF (1.4)	DNAJC5G (1.4)
ARHGAP1 (2.5)	DOCK7 (2.4)	SDCBP (2.2)	TRNP1 (2.1)	CELF1 (2.0)
GALNT2 (2.3)	ABCA1 (2.2)	WDR76 (2.0)	GTF3C2 (1.9)	ZDHHC18 (1.9)
DOCK6 (2.6)	DNAJC5G (2.4)	RASIP1 (2.4)	C2orf53 (2.4)	GALNT2 (2.4)
NCAN (2.7)	ABCA1 (2.5)	MAPK10 (2.1)	LPL (2.0)	LPAR2 (1.8)
ENSG00000182319 (2	LINC00208 (2.0)	ENSG00000254235 (2	SIDT2 (2.0)	KANK2 (2.0)
NDUFS3 (3.2)	MRPL35 (2.5)	SNX17 (2.4)	PREB (2.3)	C2orf28 (2.2)
ENSG00000179523 (2	ENSG00000254235 (2	TSSK6 (2.1)	RIC8B (2.0)	RFX4 (2.0)
FGF21 (1.8)	C2orf53 (1.7)	FRMD5 (1.7)	PCSK7 (1.6)	FNDC4 (1.6)
GATAD2A (2.2)	PAFAH1B2 (2.1)	DNAJC5G (1.8)	ENSG00000256731 (1	RSPO3 (1.7)
HAVCR1 (2.3)	TSSK6 (2.2)	RSPO3 (2.1)	DNAH10 (2.0)	KLF14 (2.0)
NRBF2 (2.1)	ENSG00000223745 (2	DNAJC5G (1.8)	C17orf105 (1.8)	MLXIPL (1.6)
TECTB (2.6)	TRNP1 (2.4)	MPP3 (2.4)	STRC (2.2)	UCN (2.1)
ZNF513 (2.9)	ATG13 (2.7)	PCSK7 (2.4)	HDAC5 (2.3)	CCDC18 (2.3)
DDB2 (2.0)	NFE2L3 (1.7)	OST4 (1.7)	CSGALNACT1 (1.6)	BCL3 (1.5)
DPYSL5 (2.3)	REEP1 (2.2)	MPP3 (2.2)	HDAC5 (2.1)	LIPC (2.0)
CYP7A1 (2.1)	TMED5 (2.0)	BCL7B (2.0)	NFE2L3 (1.9)	WDR76 (1.7)
CCDC121 (2.2)	ARFGAP2 (2.1)	C11orf49 (2.0)	PTPMT1 (2.0)	ZNF259 (1.9)
ENSG00000182329 (3	LINC00208 (2.7)	RIC8B (2.5)	LPAL2 (2.2)	PYY (2.2)
REEP3 (1.8)	C8orf49 (1.8)	DUSP3 (1.8)	RIC8B (1.8)	CCDC92 (1.6)
C2orf28 (2.9)	KBTBD4 (2.8)	PTCD3 (2.8)	MPV17 (2.7)	DHODH (2.7)
KRTCAP3 (2.0)	VEGFA (1.9)	ANGPTL4 (1.9)	FUT1 (1.9)	MAFF (1.8)
INTS10 (2.3)	SLC5A6 (2.3)	POLR1A (2.1)	TXNL4B (2.1)	EIF3J (2.0)
CCDC92 (2.8)	BCL7B (2.8)	NRBP1 (2.6)	SDCBP (2.6)	ENSG00000256731 (2
C1orf172 (2.3)	CELF1 (2.2)	ENSG00000182319 (2	TRNP1 (2.1)	SDC1 (2.0)
MADD (2.4)	RASIP1 (2.3)	TP53BP1 (2.3)	MAFF (2.3)	MRPL33 (2.0)
JMJD1C (2.1)	ENSG00000222035 (2	FRMD5 (2.1)	CCDC121 (1.9)	ENSG00000236267 (1
BCL3 (2.5)	PTPRJ (2.5)	BCAM (2.0)	PBX4 (1.9)	SIK3 (1.7)
SDCBP (3.1)	UBXN2B (2.7)	NRBF2 (2.7)	HARBI1 (2.6)	ARFGAP2 (2.5)
SLC22A3 (2.5)	ENSG00000256731 (2	ENSG00000222035 (2	DNAH10 (2.1)	MPP3 (2.1)
USP1 (2.7)	BAZ1B (2.7)	MTF2 (2.4)	CTDSPL2 (2.4)	PTCD3 (2.2)
ENSG00000179523 (2	SPG11 (2.4)	HARBI1 (2.4)	MPV17 (2.4)	ARHGAP1 (2.3)
ENSG00000200241 (2	REEP1 (2.4)	ANGPTL4 (2.3)	NRBF2 (2.2)	RFX4 (2.2)
REEP1 (2.2)	NCAN (2.2)	CCDC92 (2.1)	PBX4 (1.8)	ENSG00000254235 (1
IMMT (3.3)	TOMM40 (3.2)	PTCD3 (3.0)	MTCH2 (2.9)	ENSG00000200241 (2
ENSG00000235545 (2	WDR76 (1.9)	FEN1 (1.9)	GTF3C2 (1.8)	CTDSPL2 (1.8)
CHMP3 (1.8)	BAZ1B (1.7)	MAMSTR (1.7)	ACP2 (1.7)	ENSG00000182319 (1
FGF21 (2.5)	ACP2 (2.2)	MAPK10 (2.1)	MPP3 (2.0)	HAPLN4 (2.0)
SNX17 (3.2)	PAFAH1B2 (3.1)	CLPTM1 (3.1)	NRBP1 (2.8)	ARFGAP2 (2.6)
GPN2 (2.9)	SUGP1 (2.4)	C2orf16 (2.4)	DR1 (2.3)	ENSG00000257711 (2
PGS1 (2.0)	TDH (1.9)	FUT2 (1.8)	SLC5A6 (1.6)	LINC00208 (1.5)
BAZ1B (2.4)	PCIF1 (1.9)	LSM12 (1.9)	CTDSPL2 (1.8)	MTF2 (1.8)

KHK (2.9)	PYY (2.7)	KRTCAP3 (2.1)	NAGS (2.1)	BCAM (2.0)
CKAP5 (2.5)	RIC8B (2.4)	AFF1 (2.3)	KDM3A (2.1)	BAZ1B (2.0)
SNX17 (3.5)	EIF2B4 (3.4)	PTCD3 (3.2)	ZNF259 (3.2)	PREB (3.2)
CHMP3 (2.7)	SPG11 (2.5)	TRNP1 (2.4)	BRE (1.9)	SIK3 (1.8)
SPG11 (2.7)	ARID1A (2.3)	KDM3A (2.3)	GPN2 (2.2)	BAZ1B (2.2)
TIMD4 (2.1)	SDCBP (2.0)	CSGALNACT1 (2.0)	BCAM (1.9)	GALNT2 (1.8)
PIGV (3.2)	C2orf28 (3.2)	ATG4C (3.2)	BRE (2.9)	ATP13A1 (2.8)
ACP2 (2.6)	CLPTM1 (2.3)	CAD (2.1)	TMEM214 (2.0)	IGF2R (2.0)
C2orf16 (2.5)	PBX4 (2.5)	TIMD4 (2.2)	CETP (1.9)	ZNF513 (1.9)
PYY (2.1)	BCAM (2.0)	NFE2L3 (1.9)	FAM167A (1.8)	CGREF1 (1.7)
FRMD5 (3.8)	GATA4 (2.7)	CHMP3 (2.4)	ANGPTL4 (1.8)	IMMT (1.7)
PYY (2.5)	DUSP3 (2.2)	RASIP1 (2.1)	PCSK7 (2.1)	KLF14 (2.0)
TDH (2.0)	C1QTNF4 (1.8)	CYP26A1 (1.8)	CGREF1 (1.7)	PMFBP1 (1.7)
RSPO3 (2.4)	TAGLN (2.0)	FZD9 (2.0)	ENSG00000222035 (1	ENSG00000182319 (1
PTCD3 (2.9)	NOP58 (2.5)	NDUFS3 (2.1)	PTPRJ (2.1)	SDCBP (2.0)
DPYSL5 (2.8)	TMEM175 (2.5)	MAP1A (2.3)	ATP13A1 (2.2)	AGBL2 (2.2)
AGBL5 (2.0)	DR1 (1.9)	MPV17 (1.8)	FEN1 (1.8)	LSM12 (1.7)
PVRL2 (2.4)	KANK2 (2.3)	DOCK6 (2.3)	FRMD5 (2.1)	PACSIN3 (2.0)
HDAC5 (2.3)	DUSP3 (2.2)	ABHD1 (2.2)	SLC5A6 (2.0)	LPAL2 (1.8)
AMBRA1 (2.2)	FNBP4 (2.1)	C8orf12 (2.1)	MAU2 (2.0)	NSMAF (2.0)
NFE2L3 (2.7)	NSMAF (2.5)	AMBRA1 (2.5)	BCL7B (2.3)	JMJD1C (2.0)
LPAR2 (2.3)	DOCK7 (2.2)	UCN (2.1)	CCDC92 (2.0)	DNAH10 (1.8)
MYBPC3 (2.6)	EPB41L3 (2.5)	FRMD5 (2.5)	C8orf49 (2.3)	ENSG00000255020 (2
HAVCR1 (1.9)	RIC8B (1.9)	TRIM54 (1.7)	CYP26A1 (1.7)	TBL2 (1.6)
MRPL35 (4.3)	IMMT (3.9)	MTCH2 (3.2)	C2orf28 (3.0)	PTPMT1 (2.9)
CATSPER2 (2.3)	BUD13 (2.2)	ENSG00000226645 (2	PCIF1 (1.9)	CCDC121 (1.9)
SUMO1 (3.2)	ZNF335 (2.9)	SUPT7L (2.6)	INTS10 (2.6)	TUBGCP4 (2.6)
FRMD5 (2.2)	KRTCAP3 (2.1)	ENSG00000223522 (2	FUT2 (2.1)	ENSG00000182329 (1
ENSG00000236827 (2	CILP2 (2.2)	SOST (2.0)	CGREF1 (1.9)	FUT2 (1.7)
PBX4 (2.2)	C8orf49 (2.1)	KLF14 (2.1)	ENSG00000235545 (2	ENSG00000257711 (1
GATA4 (3.3)	ENSG00000255020 (2	CYP26A1 (2.8)	EMILIN1 (2.5)	C11orf9 (2.3)
MAMSTR (2.1)	RFX4 (2.0)	MTMR9 (2.0)	ABHD1 (1.8)	CATSPER2 (1.8)
EIF2B4 (2.1)	ZNF259 (2.1)	GATAD2A (1.9)	FNBP4 (1.8)	PTCD3 (1.7)
CATSPER2 (2.6)	NFE2L3 (2.1)	PCIF1 (2.0)	HDAC5 (1.9)	PTPN13 (1.9)
CTDSPL2 (2.4)	ENSG00000223522 (2	C1QTNF4 (2.3)	EIF3J (2.1)	SLC30A3 (2.0)
BNC2 (2.2)	LPAR2 (1.9)	C1orf172 (1.8)	KLF14 (1.8)	ENSG00000234945 (1
NOP58 (1.9)	ENSG00000223522 (1	SUMO1 (1.7)	GATAD2A (1.5)	ATP13A1 (1.5)
NOP58 (1.9)	ENSG00000223522 (1	SUMO1 (1.7)	GATAD2A (1.5)	ATP13A1 (1.5)
NR1H3 (1.7)	PTPRJ (1.6)	BRE (1.5)	BLK (1.5)	ENSG00000236267 (1
MTF2 (2.6)	BCL7B (2.5)	PCSK7 (2.5)	PCIF1 (2.4)	CHMP3 (2.4)
TDH (2.5)	ENSG00000236827 (2	BCL7B (2.1)	SPG11 (2.0)	ARFGAP2 (2.0)
ENSG00000223522 (2	TRIB1 (1.8)	C11orf49 (1.8)	DNAJC5G (1.8)	C1orf172 (1.8)
MFAP1 (2.6)	EIF2B4 (2.6)	POLR1A (2.4)	EIF3J (2.4)	NUP160 (2.3)
GATA4 (4.1)	PACSIN3 (3.3)	NR0B2 (2.8)	KHK (2.3)	APOA4 (2.0)
AMBRA1 (1.9)	PDIA3 (1.9)	GPN1 (1.8)	CHMP3 (1.8)	NEIL2 (1.7)
CETP (3.0)	PYY (2.7)	KHK (2.5)	RSPO3 (2.5)	ENSG00000236827 (2
TBL2 (3.7)	PREB (3.5)	TP53BP1 (3.0)	TMED5 (2.7)	PPIP5K1 (2.4)
ZNF664 (2.4)	C1orf172 (2.4)	SLC30A3 (2.1)	BMPR2 (2.1)	CITED2 (2.0)
CILP2 (2.4)	ABO (1.9)	C8orf12 (1.9)	CYP26A1 (1.8)	TBL2 (1.7)
NRBP1 (2.7)	GATAD2A (2.6)	HDAC5 (2.6)	JMJD1C (2.5)	CHMP3 (2.3)

ENSG00000236827 (2	C2orf16 (2.1)	HAPLN4 (2.1)	ENSG00000234945 (2	C2orf28 (2.0)
PTCD3 (2.8)	NDUFS3 (2.8)	MRPL33 (2.7)	GPN1 (2.6)	FNBP4 (2.5)
AGBL5 (3.7)	TP53BP1 (3.1)	ENSG00000223522 (3	RBKS (2.3)	PBX4 (2.2)
NRBP1 (2.7)	SDCBP (2.6)	BAZ1B (2.4)	REEP3 (2.3)	KANK2 (2.1)
BRE (2.1)	TMEM175 (2.0)	ENSG00000236267 (1	DHODH (1.9)	PMFBP1 (1.8)
REEP3 (2.2)	NRBF2 (2.1)	CYP26A1 (2.0)	ENSG00000253379 (1	FUT2 (1.9)
MPP2 (3.2)	C1QTNF4 (2.8)	FRMD5 (2.7)	NCAN (2.5)	MAPK10 (2.2)
COBLL1 (2.5)	ZNF664 (2.4)	CCDC121 (2.3)	FUT1 (2.2)	RIC8B (2.2)
EMILIN1 (2.7)	TP53BP1 (2.7)	AGBL5 (2.5)	AGBL2 (2.4)	DOCK7 (2.2)
NSMAF (2.2)	PDIA3 (2.2)	FNBP4 (2.0)	MRPL33 (1.8)	ENSG00000226645 (1
BCAM (2.6)	TDH (2.2)	FZD9 (2.1)	PLTP (1.7)	LPA (1.7)
ZNF664 (2.8)	PCIF1 (2.6)	BCL7B (2.5)	SIK3 (2.4)	KBTBD4 (2.4)
PPY (2.1)	ENSG00000255020 (2	ENSG00000256746 (1	KLF14 (1.9)	TECTB (1.8)
GATAD2A (2.5)	ZNF512 (2.4)	C17orf105 (2.3)	DOCK6 (2.3)	PCIF1 (2.2)
ENSG00000253379 (1	ABO (1.4)	NFE2L3 (1.4)	BNC2 (1.3)	CYP26A1 (1.3)
ARHGAP1 (2.6)	CCDC92 (2.2)	TAGLN (2.2)	BAZ1B (2.2)	PCIF1 (2.1)
PLA2G6 (2.4)	MADD (2.4)	ZNF513 (2.2)	ENSG00000236827 (2	SIK3 (2.1)
HDAC5 (2.1)	CCDC92 (2.1)	ENSG00000200241 (2	ZDHHC18 (2.0)	DOCK7 (1.8)
ZNF512 (2.3)	TOMM40 (2.3)	ZNF335 (2.3)	USP1 (2.3)	FNBP4 (2.3)
ENSG00000222035 (2	TBL2 (2.2)	DNAJC5G (2.0)	MAMSTR (1.9)	USP1 (1.9)
ATG4C (2.4)	C8orf12 (2.3)	GPN2 (2.0)	SUGP1 (2.0)	TECTB (1.8)
ENSG00000256746 (1	SOST (1.8)	RSPO3 (1.8)	ENSG00000253379 (1	TDH (1.6)
COBLL1 (2.4)	AGBL2 (2.4)	FUT2 (2.3)	CGREF1 (2.3)	TBL2 (2.3)
LPAL2 (2.7)	AGBL2 (2.3)	ENSG00000182329 (2	MTMR9 (2.1)	ENSG00000223522 (2
PREB (2.3)	RIC8B (2.3)	TP53BP1 (2.3)	CHMP3 (2.2)	SDCBP (2.2)
SUPT7L (2.5)	POLR1A (2.4)	DHODH (2.3)	PREB (2.3)	FEN1 (2.3)
FNBP4 (2.3)	ENSG00000223522 (2	SUMO1 (1.9)	CITED2 (1.8)	DHX38 (1.6)
CITED2 (2.1)	FUT2 (2.0)	ENSG00000255020 (1	ENSG00000256746 (1	GPAM (1.7)
NDUFS3 (2.9)	ARFGAP2 (2.9)	NFE2L3 (2.8)	TUBGCP4 (2.5)	ENSG00000235545 (2
G6PC3 (2.8)	TMED5 (2.5)	ATG4C (2.4)	FGF21 (2.3)	TMEM101 (2.2)
ATG13 (3.3)	CGREF1 (3.0)	NRBP1 (2.9)	PDIA3 (2.7)	ARHGAP1 (2.4)
TMED5 (2.8)	PPM1G (2.7)	GATAD2A (2.6)	EIF2B4 (2.5)	ZNF335 (2.5)
ENSG00000257711 (2	CHMP3 (1.9)	ARID1A (1.8)	ENSG00000182319 (1	ENSG00000182329 (1
OST4 (2.3)	ZNF664 (2.2)	GPN1 (2.1)	GPN2 (2.0)	MFAP1 (1.9)
OST4 (2.3)	ZNF664 (2.2)	GPN1 (2.1)	GPN2 (2.0)	MFAP1 (1.9)
PREB (3.1)	DR1 (2.7)	FNBP4 (2.6)	CGREF1 (2.6)	ATG13 (2.6)
CHMP3 (2.1)	KLF14 (2.0)	CSGALNACT1 (2.0)	EPB41L3 (2.0)	CETP (1.8)
G6PC3 (2.2)	DHODH (2.2)	ATG13 (2.1)	C2orf28 (2.0)	CLPTM1 (1.9)
DDB2 (2.1)	LPL (1.9)	C1orf172 (1.9)	TSSK6 (1.8)	VEGFA (1.6)
BUD13 (2.1)	TOMM40 (2.1)	CLPTM1 (1.8)	TXNL4B (1.8)	CCDC121 (1.7)
BMPR2 (2.3)	CCDC121 (2.3)	MAPRE3 (2.2)	PACSIN3 (2.2)	SFN (2.1)
SPG11 (1.9)	LPAL2 (1.7)	ARID1A (1.7)	AGBL2 (1.6)	RBKS (1.6)
EIF2B4 (3.0)	SUMO1 (2.5)	MRPL35 (2.5)	NDUFS3 (2.4)	PDIA3 (2.4)
MAPRE3 (2.4)	ENSG00000223522 (2	FAM167A (2.2)	ENSG00000235545 (2	PACSIN3 (2.0)
PTPMT1 (2.8)	ARFGAP2 (2.7)	AMBRA1 (2.2)	NSMAF (2.1)	FDFT1 (2.1)
NRBP1 (2.4)	PCIF1 (2.3)	NSMAF (2.3)	TRIB1 (2.0)	ZNF335 (1.9)
LSM12 (3.3)	MPV17 (3.1)	DHODH (3.0)	PTCD3 (2.7)	UCN (2.5)
TECTB (2.3)	PLA2G6 (2.2)	PMFBP1 (2.0)	TDH (1.7)	ENSG00000255020 (1
TAGLN (2.6)	FRMD5 (2.4)	BCAM (2.3)	C2orf28 (2.2)	GATA4 (2.1)
C2orf53 (2.2)	ENSG00000255020 (2	HARBI1 (2.1)	TECTB (2.1)	VEGFA (2.0)

PAFAH1B2 (2.7)	GPN2 (2.6)	EIF3J (2.6)	TXNL4B (2.4)	INTS10 (2.4)
SNX17 (1.9)	MAP1A (1.9)	TAGLN (1.8)	KHK (1.8)	KANK2 (1.7)
NSMAF (2.3)	FZD9 (2.2)	DUSP3 (2.1)	AMBRA1 (2.0)	ABCA1 (2.0)
GPAM (2.4)	CILP2 (2.1)	SLC5A6 (2.0)	G6PC3 (2.0)	TBL2 (1.9)
ENSG00000222035 (2	PBX4 (2.1)	GATAD2A (1.9)	SLC22A3 (1.9)	BAZ1B (1.9)
FEN1 (2.4)	NRBF2 (2.2)	PTCD3 (2.1)	CCDC18 (1.9)	SUGP1 (1.8)
CAD (2.9)	PTCD3 (2.6)	GPN1 (2.5)	DHX38 (2.5)	MRPL35 (2.3)
CHMP3 (2.9)	LRP4 (2.5)	GATAD2A (2.3)	MAPRE3 (2.3)	SNX17 (2.0)
C8orf49 (2.0)	PBX4 (1.8)	DOCK6 (1.7)	C11orf49 (1.7)	RSPO3 (1.7)
DDB2 (4.1)	NUP160 (3.7)	CTDSPL2 (3.6)	MTF2 (3.3)	BAZ1B (3.0)
CGREF1 (2.3)	PPIP5K1 (2.2)	LPL (2.0)	MLXIPL (2.0)	CHMP3 (2.0)
CELF1 (2.9)	TP53BP1 (2.7)	USP1 (2.7)	CAD (2.6)	DHX38 (2.5)
NDUFS3 (3.2)	MRPL35 (2.7)	SNX17 (2.6)	PREB (2.6)	ARFGAP2 (2.3)
DHX38 (2.6)	TXNL4B (2.5)	PPM1G (2.4)	KRTCAP3 (2.3)	IFT172 (2.3)
ENSG00000253379 (2	ENSG00000200241 (2	CILP2 (1.7)	ENSG00000255020 (1	UCN (1.7)
PDIA3 (3.3)	PPY (2.9)	C11orf9 (2.8)	RFX4 (2.7)	KHK (2.5)
SDCBP (2.4)	UBXN2B (2.1)	CSGALNACT1 (2.0)	NSMAF (1.9)	DUSP3 (1.9)
ENSG00000223522 (1	UCN (1.6)	ENSG00000255020 (1	BMPR2 (1.5)	OST4 (1.5)
SDCBP (2.3)	PBX4 (2.3)	DOCK6 (2.2)	LSM12 (2.1)	DDB2 (2.0)
IMMT (4.1)	MTCH2 (3.9)	OST4 (3.7)	C2orf28 (3.2)	PPIP5K1 (2.9)
NFE2L3 (2.0)	IMMT (1.9)	LINC00208 (1.8)	SIDT2 (1.8)	PTPMT1 (1.7)
ZNF664 (1.8)	NRBF2 (1.8)	ENSG00000200241 (1	SDCBP (1.7)	CHMP3 (1.7)
PLTP (2.5)	IGF2R (2.2)	C1orf172 (1.9)	LPL (1.9)	DOCK6 (1.8)
NSMAF (2.2)	ABO (2.0)	ENSG00000256746 (2	SUPT7L (1.8)	KRTCAP3 (1.8)
BCL3 (2.5)	PPM1G (2.5)	PTPRJ (2.5)	SNX17 (2.4)	AMBRA1 (2.4)
ENSG00000236267 (2	STRC (2.0)	CCDC92 (1.7)	ABHD1 (1.6)	MAP1A (1.6)
MAPK10 (1.7)	CASC4 (1.7)	MAMSTR (1.7)	INTS10 (1.7)	IZUMO1 (1.7)
DHODH (2.5)	SLC5A6 (2.4)	MPV17 (2.4)	POLR1A (2.3)	INTS10 (2.3)
ARFGAP2 (2.4)	BCL7B (2.3)	SIK3 (2.2)	PLA2G6 (2.2)	PCIF1 (2.0)
PTPMT1 (3.7)	MTCH2 (2.8)	PTCD3 (2.5)	TOMM40 (2.5)	GPN1 (2.4)
PTPMT1 (3.7)	MTCH2 (2.8)	PTCD3 (2.5)	TOMM40 (2.5)	GPN1 (2.4)
ZNF335 (3.2)	POLR1A (2.8)	CAD (2.7)	DHODH (2.6)	TUBGCP4 (2.4)
MRPL33 (1.9)	AGBL2 (1.7)	ENSG00000223522 (1	ZNF513 (1.7)	FNDC4 (1.4)
MRPL33 (1.9)	AGBL2 (1.7)	ENSG00000223522 (1	ZNF513 (1.7)	FNDC4 (1.4)
CILP2 (2.3)	PYY (2.3)	EMILIN1 (2.2)	IGF2R (2.1)	PTPN13 (2.0)
DR1 (2.4)	ZNF408 (2.4)	MFAP1 (2.4)	BUD13 (2.3)	ZNF259 (2.2)
LPAL2 (2.1)	NR0B2 (2.0)	SLC30A3 (1.9)	ABO (1.8)	MAP1A (1.8)
DNAH10 (2.6)	MPP3 (2.5)	CYP26A1 (2.0)	FGF21 (1.7)	PTPN13 (1.7)
JMJD1C (2.0)	GTF3C2 (2.0)	MAU2 (2.0)	GMIP (1.8)	PTPRJ (1.8)
BNC2 (1.9)	GMIP (1.8)	HAVCR1 (1.8)	PMFBP1 (1.6)	GATAD2A (1.6)
C2orf16 (2.4)	PCSK7 (2.3)	TIMD4 (2.2)	NFE2L3 (1.9)	IZUMO1 (1.9)
EIF2B4 (3.3)	MRPL35 (2.8)	SNX17 (2.7)	C2orf28 (2.5)	ARFGAP2 (2.4)
CHMP3 (2.5)	ZNF335 (2.4)	DDB2 (2.3)	FDFT1 (2.2)	SDCBP (2.1)
CYP26A1 (2.5)	PTPMT1 (2.3)	SDCBP (2.2)	GPN2 (2.1)	RBKS (2.1)
MFAP1 (2.0)	USP1 (2.0)	CTDSPL2 (1.9)	CCDC18 (1.9)	TDH (1.8)
NCAN (2.7)	MAP1A (2.4)	C11orf49 (2.2)	FZD9 (2.2)	SIK3 (1.9)
DUSP3 (2.8)	SDCBP (2.4)	REEP1 (2.1)	IGF2R (2.1)	APOE (2.0)
SUMO1 (2.0)	NSMAF (1.8)	GATAD2A (1.7)	ENSG00000223522 (1	UCN (1.5)
TAGLN (2.6)	KRTCAP3 (2.5)	EMILIN1 (2.4)	PLTP (2.2)	CILP2 (2.2)
BUD13 (2.9)	MTF2 (2.9)	NUP160 (2.9)	BAZ1B (2.5)	SUGP1 (2.5)

CMIP (2.0)	CHMP3 (2.0)	DR1 (1.9)	COBLL1 (1.8)	LPAL2 (1.6)
PMFBP1 (2.6)	TM6SF2 (2.3)	MPP3 (2.3)	ENSG00000223522 (2	NAT2 (2.1)
PMFBP1 (2.6)	TM6SF2 (2.3)	MPP3 (2.3)	ENSG00000223522 (2	NAT2 (2.1)
SPG11 (2.9)	UBXN2B (2.6)	HAVCR1 (2.1)	DOCK7 (2.0)	FADS1 (1.8)
CKAP5 (2.5)	MTF2 (2.5)	DOCK7 (2.4)	DHX38 (2.3)	KDM3A (2.3)
NUP160 (2.9)	SPG11 (2.6)	MFAP1 (2.6)	PAFAH1B2 (2.3)	MTMR9 (2.3)
PBX4 (1.9)	MFAP1 (1.9)	UBXN2B (1.8)	PCSK7 (1.7)	CSGALNACT1 (1.7)
SUPT7L (2.4)	GPN1 (2.1)	POLR1A (2.1)	HARBI1 (2.1)	RBKS (1.9)
SIK3 (2.8)	GTF3C2 (2.7)	ARFGAP2 (2.5)	ARID1A (2.5)	DHX38 (2.3)
PTCD3 (3.3)	IFT172 (3.2)	IMMT (3.1)	TP53BP1 (3.0)	CKAP5 (2.9)
LINC00208 (2.8)	PDIA3 (2.7)	EIF2B4 (2.5)	PREB (2.4)	C2orf28 (2.3)
MTF2 (2.8)	CASC4 (2.7)	TP53BP1 (2.5)	ATG4C (2.4)	MTMR9 (2.4)
CHMP3 (2.9)	C2orf53 (2.7)	FUT2 (2.6)	PMFBP1 (2.4)	STRC (2.4)
KRTCAP3 (2.7)	TM6SF2 (2.7)	NAT2 (2.7)	IFT172 (2.2)	ENSG00000223745 (2
TXNL4B (2.7)	SUGP1 (2.6)	ZNF259 (2.4)	GPN2 (2.1)	INTS10 (2.1)
NEIL2 (2.7)	PDIA3 (2.5)	ENSG00000236267 (2	CHMP3 (2.0)	LPAR2 (2.0)
MTCH2 (2.8)	TOMM40 (2.6)	PPM1G (2.6)	EIF3J (2.3)	NDUFS3 (2.3)
MAP1A (2.8)	MAPK10 (2.7)	NRBP1 (2.3)	REEP1 (2.3)	TRNP1 (2.3)
SDCBP (2.3)	NEIL2 (2.2)	CTSB (2.2)	ENSG00000256731 (2	SIDT2 (2.2)
MYBPC3 (2.6)	TRIM54 (2.3)	NDUFS3 (2.2)	C11orf9 (2.1)	FADS2 (2.1)
FDFT1 (2.5)	PDIA3 (2.4)	FADS1 (2.2)	CKAP5 (2.1)	NOP58 (2.0)
MTF2 (2.9)	MRPL33 (2.7)	TXNL4B (2.7)	NUP160 (2.5)	UBXN2B (2.3)
COBLL1 (2.1)	BCAM (2.0)	UCN (1.9)	TDH (1.9)	CCDC121 (1.9)
UCN (2.1)	ENSG00000255020 (1	ZDHHC18 (1.8)	ABO (1.7)	TDH (1.5)
BCAM (2.3)	ENSG00000234945 (2	AGBL5 (2.2)	CASC4 (2.1)	ZNF513 (2.1)
RFX4 (2.6)	DNAH10 (2.6)	CASC4 (2.4)	AGBL2 (2.3)	IFT172 (2.3)
PLTP (2.5)	HP (2.4)	CILP2 (2.1)	PBX4 (2.1)	C1QTNF4 (2.1)
PYY (2.6)	EMILIN1 (2.5)	PTPN13 (2.2)	CILP2 (2.2)	ENSG00000253379 (2
ZDHHC18 (2.0)	SIK3 (1.9)	PCSK7 (1.7)	CETP (1.6)	BCL7B (1.6)
IMMT (2.0)	GATA4 (1.9)	ENSG00000223745 (1	FNBP4 (1.8)	DPYSL5 (1.7)
IMMT (3.8)	OST4 (3.7)	MTCH2 (3.4)	C2orf28 (2.9)	PTPMT1 (2.8)
NSMAF (1.9)	FNBP4 (1.9)	SUGP1 (1.9)	POLR1A (1.8)	ATP13A1 (1.8)
NSMAF (1.9)	FNBP4 (1.9)	SUGP1 (1.9)	POLR1A (1.8)	ATP13A1 (1.8)
PLTP (1.8)	SLC22A1 (1.8)	CYP26A1 (1.8)	ENSG00000235545 (1	PMFBP1 (1.4)
CILP2 (2.5)	C17orf105 (1.9)	GPAM (1.6)	LPA (1.6)	UBXN2B (1.6)
MRPL35 (2.6)	IMMT (2.5)	EIF2B4 (2.4)	PREB (2.1)	MAPRE3 (2.0)
MRPL35 (3.1)	MPV17 (3.0)	C2orf28 (2.6)	MTCH2 (2.5)	MAPRE3 (2.3)
DR1 (2.6)	RIC8B (2.3)	SDCBP (2.2)	MTCH2 (2.2)	NRBF2 (2.0)
MTMR9 (2.1)	DOCK6 (2.0)	ENSG00000254235 (2	FUT1 (1.9)	PACSIN3 (1.9)
LRP4 (2.4)	LPL (2.1)	CELF1 (2.0)	LINC00208 (1.9)	ENSG00000256746 (1
NFE2L3 (2.6)	BCAM (2.5)	SFN (2.5)	TSSK6 (2.5)	LRP4 (2.4)
TAGLN (2.4)	ENSG00000200241 (2	GPN1 (2.1)	PPIP5K1 (2.0)	ZNF408 (2.0)
CAD (2.3)	STRC (2.3)	MPP3 (2.0)	LIPC (1.9)	MAP1A (1.8)
PCSK7 (2.3)	ZDHHC18 (2.1)	GMIP (2.0)	ACP2 (1.7)	IGF2R (1.7)
HDAC5 (2.2)	C2orf16 (2.1)	CASC4 (2.0)	BMPR2 (1.9)	DOCK7 (1.9)
CCDC92 (2.5)	C1QTNF4 (2.5)	PPIP5K1 (2.5)	C1orf172 (2.4)	ENSG00000255020 (2
NDUFS3 (3.3)	MRPL35 (2.7)	PREB (2.6)	SNX17 (2.3)	C2orf28 (2.2)
IMMT (2.7)	MTCH2 (2.7)	UBXN2B (2.4)	MRPL35 (1.9)	C2orf28 (1.8)
ATP13A1 (2.9)	REEP3 (2.8)	TMEM101 (2.3)	BMPR2 (2.1)	TECTB (2.1)
CHMP3 (2.9)	REEP1 (2.4)	CCDC92 (2.3)	HAVCR1 (2.2)	PTPRJ (2.1)

TMEM175 (1.8)	PTPN13 (1.7)	CBLC (1.6)	C1orf172 (1.4)	SDC1 (1.4)
EIF2B4 (3.0)	ENSG00000255020 (2	C2orf28 (2.4)	MRPL35 (2.2)	PREB (2.1)
DNAJC5G (1.9)	GMIP (1.9)	ZNF408 (1.9)	KRTCAP3 (1.8)	PBX4 (1.7)
TXNL4B (2.4)	SUGP1 (2.3)	NUP160 (2.2)	MRPL33 (2.2)	GPN2 (2.2)
MPV17 (2.2)	CTSB (2.0)	SDCBP (2.0)	ENSG00000256731 (1	CATSPER2 (1.9)
FADS2 (1.5)	SUGP1 (1.5)	GATAD2A (1.5)	EIF3J (1.5)	CGREF1 (1.5)
PCIF1 (2.5)	CELF1 (2.4)	ZNF664 (2.4)	CTDSPL2 (2.4)	BAZ1B (1.9)
NDUFS3 (3.3)	MRPL35 (2.6)	ARFGAP2 (2.4)	SNX17 (2.4)	PREB (2.3)
FNBP4 (2.7)	GPN2 (2.6)	POLR1A (2.5)	GPN1 (2.5)	PPM1G (2.4)
G6PC3 (2.2)	NOP58 (2.1)	TMEM214 (2.1)	TMEM101 (2.1)	TXNL4B (2.0)
PTPRJ (2.4)	SIK3 (2.3)	BLK (2.2)	ZDHHC18 (2.1)	C2orf16 (2.0)
PTPRJ (2.4)	SIK3 (2.3)	BLK (2.2)	ZDHHC18 (2.1)	C2orf16 (2.0)
NAGS (3.4)	RBKS (2.5)	APOC3 (2.5)	NR1H3 (2.3)	APOA1 (2.3)
FNBP4 (2.9)	GPN2 (2.9)	CELF1 (2.6)	BUD13 (2.5)	GPN1 (2.4)
EMILIN1 (2.0)	ENSG00000253379 (2	ENSG00000223522 (2	C11orf9 (2.0)	CYP26A1 (1.9)
IMMT (3.9)	OST4 (3.9)	MTCH2 (2.9)	PPIP5K1 (2.3)	NR0B2 (2.1)
GMIP (2.6)	LPAR2 (2.5)	PAFAH1B2 (2.4)	DOCK6 (2.3)	HDAC5 (2.0)
FZD9 (2.3)	DPYSL5 (2.3)	ENSG00000256746 (2	MAPK10 (1.8)	PLTP (1.7)
ENSG00000235545 (1	POLR1A (1.5)	WDR76 (1.4)	STRC (1.4)	NRBF2 (1.3)
TUBGCP4 (2.5)	ENSG00000223745 (2	ENSG00000236267 (2	DHODH (2.0)	NUP160 (1.9)
TUBGCP4 (2.5)	ENSG00000223745 (2	ENSG00000236267 (2	DHODH (2.0)	NUP160 (1.9)
RIC8B (2.4)	ZNF664 (2.4)	LPAR2 (2.3)	CCDC92 (2.3)	FUT1 (2.1)
CKAP5 (2.3)	GPN1 (2.3)	KANK2 (2.1)	IMMT (2.1)	SNX17 (2.0)
CASC4 (2.5)	CCDC92 (2.5)	TUBGCP4 (2.4)	CAD (2.3)	G6PC3 (2.2)
NDUFS3 (3.0)	MRPL35 (2.8)	SNX17 (2.5)	CKAP5 (2.3)	SUGP1 (2.2)
MAPRE3 (2.3)	UCN (2.2)	ENSG00000255020 (2	CTSB (2.1)	HAPLN4 (1.8)
PTCD3 (2.5)	DHODH (2.2)	FNBP4 (2.1)	DHX38 (2.0)	GPN2 (1.9)
GPN1 (3.1)	TOMM40 (3.1)	CAD (3.0)	PCIF1 (2.9)	NRBP1 (2.7)
SOST (2.8)	CILP2 (2.6)	ENSG00000253379 (2	STRC (2.4)	CYP26A1 (2.3)
GPN1 (3.5)	PTCD3 (3.4)	GTF3C2 (3.3)	CKAP5 (2.9)	DR1 (2.8)
GPN1 (3.5)	PTCD3 (3.4)	GTF3C2 (3.3)	CKAP5 (2.9)	DR1 (2.8)
CHMP3 (2.5)	DOCK7 (2.5)	ENSG00000257711 (2	ACP2 (2.3)	MAPK10 (2.2)
NSMAF (2.1)	PLA2G6 (2.1)	GPAM (1.9)	TIMD4 (1.9)	SIK3 (1.6)
ENSG00000179523 (2	TSSK6 (2.6)	C17orf105 (2.2)	PMFBP1 (1.9)	ENSG00000234945 (1
ENSG00000179523 (2	TSSK6 (2.6)	C17orf105 (2.2)	PMFBP1 (1.9)	ENSG00000234945 (1
ZNF259 (2.4)	CAD (2.4)	PPM1G (2.4)	NOP58 (2.4)	GPN1 (2.3)
CHMP3 (1.7)	TMED5 (1.7)	DDB2 (1.6)	RIC8B (1.6)	KLF14 (1.5)
BCL3 (2.0)	DNAJC5G (2.0)	TIMD4 (2.0)	C2orf16 (1.8)	NFE2L3 (1.7)
GPN1 (2.7)	OST4 (2.7)	NUP160 (2.6)	SUGP1 (2.5)	CAD (2.4)
ENSG00000256746 (1	LIPC (1.6)	ENSG00000256731 (1	TRIM54 (1.6)	MLXIPL (1.5)
IZUMO1 (2.4)	ZDHHC18 (2.4)	C2orf16 (1.8)	ENSG00000182319 (1	DNAJC5G (1.7)
SOST (2.3)	ENSG00000253379 (2	RASIP1 (2.2)	CYP26A1 (2.0)	RIC8B (2.0)
MTCH2 (2.6)	CHMP3 (2.6)	PDIA3 (2.4)	MRPL35 (2.3)	NDUFS3 (2.2)
ZNF513 (2.7)	UBXN2B (2.5)	C1orf172 (2.4)	DUSP3 (2.3)	ARHGAP1 (2.0)
PPM1G (3.3)	LSM12 (3.2)	CAD (3.2)	SNX17 (2.8)	PTCD3 (2.7)
LPAR2 (2.4)	FUT1 (2.3)	GMIP (2.3)	BUD13 (2.0)	TP53BP1 (1.8)
CGREF1 (2.6)	ZNF664 (2.4)	MAP1A (2.4)	REEP1 (2.2)	AMBRA1 (2.1)
CTSB (2.3)	CBLC (2.1)	CSGALNACT1 (1.8)	FUT1 (1.7)	PTPRJ (1.6)
ZDHHC18 (2.1)	BLK (1.9)	MTMR9 (1.9)	ENSG00000236267 (1	ENSG00000254235 (1
NUP160 (2.4)	RIC8B (2.1)	ZNF664 (2.1)	ATP13A1 (1.9)	PPM1G (1.8)

NSMAF (1.8)	MRPL33 (1.6)	CGREF1 (1.5)	NOP58 (1.5)	UBXN2B (1.4)
DDB2 (3.0)	MPV17 (2.9)	SDCBP (2.6)	CKAP5 (2.6)	CCDC18 (2.6)
PCIF1 (2.4)	CTDSPL2 (2.3)	LSM12 (2.2)	CELF1 (2.2)	BAZ1B (1.9)
ARID1A (2.2)	ATG13 (2.1)	NCAN (2.0)	CGREF1 (1.9)	FZD9 (1.9)
MYBPC3 (3.1)	FGF21 (3.0)	KHK (2.6)	RBKS (2.5)	HP (2.3)
NDUFS3 (3.4)	MRPL35 (2.8)	PREB (2.4)	SNX17 (2.3)	C2orf28 (2.2)
INTS10 (2.8)	CAD (2.7)	ATP13A1 (2.7)	ENSG00000200241 (2	NOP58 (2.6)
TIMD4 (2.5)	CETP (1.8)	BCL3 (1.6)	ENSG00000235545 (1	CD300LG (1.4)
CHMP3 (3.0)	FUT2 (2.8)	C2orf53 (2.6)	STRC (2.4)	PMFBP1 (2.2)
NFE2L3 (1.8)	DR1 (1.7)	TRIB1 (1.7)	MTMR9 (1.7)	ATG4C (1.6)
TRIB1 (1.7)	BCL7B (1.7)	ENSG00000254235 (1	PTPRJ (1.6)	C2orf16 (1.6)
PPY (2.0)	ABO (2.0)	ENSG00000256746 (1	TDH (1.9)	KLF14 (1.8)
SIK3 (2.5)	PAFAH1B2 (2.4)	PBX4 (2.3)	TRNP1 (2.2)	GATAD2A (2.1)
DR1 (2.6)	EIF3J (2.5)	FDFT1 (2.4)	GTF3C2 (2.4)	MRPL33 (2.3)
C2orf28 (3.4)	G6PC3 (2.7)	TMED5 (2.1)	PTPMT1 (1.9)	CLPTM1 (1.8)
ATG4C (2.3)	DOCK6 (2.3)	GMIP (2.2)	C11orf9 (2.0)	ENSG00000235545 (2
DNAH10 (2.6)	BCAM (2.5)	ARHGAP1 (2.2)	NR0B2 (2.0)	DPYSL5 (2.0)
CGREF1 (2.3)	SLC5A6 (2.2)	ABHD1 (2.1)	ENSG00000256746 (2	ENSG00000223745 (1
MAPRE3 (3.5)	HAPLN4 (3.1)	EPB41L3 (2.9)	CCDC92 (2.6)	ENSG00000255020 (2
TXNL4B (2.5)	UBXN2B (2.3)	ENSG00000223745 (2	DHODH (2.0)	CELF1 (2.0)
ENSG00000254235 (2	LRP4 (2.4)	ABO (2.2)	CASC4 (2.1)	SDC1 (2.1)
GTF3C2 (2.1)	BNC2 (1.9)	AMBRA1 (1.8)	RSPO3 (1.7)	SNX17 (1.7)
FEN1 (2.8)	OST4 (2.4)	LPAR2 (2.3)	SUGP1 (2.3)	IFT172 (2.1)
NFE2L3 (2.0)	TIMD4 (1.8)	PIGV (1.8)	C8orf49 (1.7)	IZUMO1 (1.7)
RFX4 (2.5)	TSSK6 (2.4)	PMFBP1 (2.3)	ENSG00000255020 (2	DPYSL5 (2.1)
SDCBP (2.4)	SNX17 (2.3)	IMMT (2.3)	PPIP5K1 (2.2)	C11orf49 (2.2)
TECTB (2.3)	TMEM175 (2.1)	C17orf105 (2.0)	PIGV (1.9)	MAMSTR (1.9)
GMIP (2.4)	LPAR2 (2.3)	FUT1 (2.2)	PAFAH1B2 (2.2)	DOCK6 (2.1)
RIC8B (2.7)	ZNF664 (2.6)	CCDC92 (2.4)	ENSG00000223522 (2	LPAR2 (2.1)
VEGFA (1.9)	ENSG00000256746 (1	TMEM101 (1.7)	TMEM175 (1.7)	G6PC3 (1.6)
SLC5A6 (3.4)	CGREF1 (3.2)	HAPLN4 (2.5)	NCAN (2.3)	TBL2 (2.1)
GPAM (3.7)	MLXIPL (2.4)	PTPMT1 (2.4)	PGS1 (2.3)	C19orf80 (2.3)
GPAM (3.7)	MLXIPL (2.4)	PTPMT1 (2.4)	PGS1 (2.3)	C19orf80 (2.3)
FAM167A (2.1)	BNC2 (2.0)	ENSG00000256731 (1	ENSG00000236267 (1	PTPN13 (1.9)
VEGFA (2.3)	IFT172 (2.1)	AGBL2 (2.1)	C1orf172 (2.1)	KRTCAP3 (1.9)
ABO (2.1)	ENSG00000255020 (2	KLF14 (1.9)	TECTB (1.7)	ENSG00000256746 (1
ABO (2.1)	ENSG00000255020 (2	KLF14 (1.9)	TECTB (1.7)	ENSG00000256746 (1
ENSG00000223745 (2	TRNP1 (2.6)	ENSG00000182319 (2	EPB41L3 (2.5)	ENSG00000255020 (2
MAP1A (2.4)	PPIP5K1 (2.3)	TRIM54 (2.1)	TP53BP1 (2.0)	MPP3 (2.0)
AMBRA1 (2.5)	LRP4 (2.5)	ZNF335 (2.4)	CELF1 (2.3)	SOST (2.2)
IFT172 (2.2)	ABCA1 (2.2)	CYP26A1 (2.1)	PTPN13 (2.1)	CILP2 (1.7)
MAP1A (2.6)	CCDC92 (2.5)	C11orf9 (2.2)	CCDC18 (2.0)	EPB41L3 (1.9)
MTCH2 (3.6)	MRPL33 (3.5)	OST4 (3.1)	SIK3 (3.0)	C2orf16 (2.6)
CCDC92 (2.4)	ZNF664 (2.2)	DNAH10 (2.1)	TECTB (1.9)	KRTCAP3 (1.8)
TBL2 (4.1)	IFT172 (3.3)	ARHGAP1 (3.3)	CGREF1 (3.2)	C11orf49 (3.1)
MYBPC3 (2.9)	REEP1 (2.8)	C8orf49 (2.4)	IGF2R (2.4)	GATA4 (2.3)
MFAP1 (2.9)	NOP58 (2.9)	ARFGAP2 (2.9)	GPN1 (2.8)	PPM1G (2.8)
EIF3J (2.6)	NRBF2 (2.6)	CMIP (2.5)	NRBP1 (2.4)	CHMP3 (2.3)
SLC22A3 (2.6)	ENSG00000256731 (1	PAFAH1B2 (1.9)	PTPN13 (1.9)	NSMAF (1.8)
MAU2 (2.6)	PBX4 (2.4)	PCSK7 (2.3)	MADD (2.2)	TECTB (2.2)

EIF3J (2.6)	GPN2 (2.6)	TXNL4B (2.4)	BUD13 (2.4)	SUGP1 (2.4)
WDR76 (3.2)	TUBGCP4 (3.0)	FEN1 (2.9)	SPG11 (2.8)	CKAP5 (2.7)
WDR76 (3.2)	TUBGCP4 (3.0)	FEN1 (2.9)	SPG11 (2.8)	CKAP5 (2.7)
POLR1A (2.3)	NOP58 (2.2)	CAD (2.1)	TP53BP1 (2.0)	SUGP1 (2.0)
FDFT1 (2.4)	NOP58 (2.3)	IMMT (2.3)	EIF2B4 (2.2)	MRPL35 (2.2)
NDUFS3 (3.1)	PREB (2.4)	MRPL35 (2.4)	ARFGAP2 (2.3)	SNX17 (2.3)
RFX4 (2.4)	FZD9 (1.6)	ENSG00000235545 (1	PTPN13 (1.5)	FUT1 (1.5)
FNDC4 (2.4)	PAFAH1B2 (2.3)	REEP3 (2.2)	FAM167A (2.1)	ARHGAP1 (2.1)
FUT1 (1.1)	BNC2 (1.0)	DNAJC5G (0.9)	FAM167A (0.8)	CATSPER2 (0.7)
BCL7B (2.8)	PVRL2 (2.7)	NRBP1 (2.4)	FUT1 (2.4)	DR1 (2.3)
MAP1A (2.8)	TRNP1 (2.8)	DUSP3 (2.7)	MAPRE3 (2.5)	FRMD5 (2.4)
ZNF664 (2.2)	RFX4 (2.0)	SUMO1 (1.9)	ENSG00000256746 (1	LPAR2 (1.9)
CSGALNACT1 (2.6)	ARHGAP1 (2.4)	DR1 (2.2)	PMFBP1 (2.2)	MPP2 (2.1)
HDAC5 (1.6)	UBXN2B (1.6)	C2orf16 (1.5)	C1QTNF4 (1.5)	BMPR2 (1.5)
TAGLN (2.8)	SIDT2 (2.6)	AFF1 (2.6)	PTPRJ (2.5)	CHMP3 (2.2)
MRPL33 (2.0)	UBXN2B (1.8)	NSMAF (1.8)	TRIM54 (1.5)	ENSG00000236267 (1
PPM1G (3.1)	SNX17 (3.1)	ARFGAP2 (2.9)	EIF2B4 (2.9)	IMMT (2.8)
DPYSL5 (2.0)	TRIB1 (2.0)	MAP1A (1.8)	PTPN13 (1.7)	MADD (1.7)
CETP (2.6)	COBLL1 (2.0)	ENSG00000235545 (1	HGFAC (1.7)	CYP7A1 (1.5)
ZNF335 (2.6)	DHX38 (2.6)	NUP160 (2.6)	EIF2B4 (2.6)	EIF3J (2.5)
LSM12 (2.5)	BUD13 (2.4)	C2orf16 (2.3)	PCIF1 (2.3)	GPN2 (2.3)
C11orf9 (2.7)	JMJD1C (2.5)	PTPN13 (2.0)	CYP26A1 (2.0)	TMEM101 (1.9)
CSGALNACT1 (2.0)	NFE2L3 (2.0)	ARHGAP1 (2.0)	GALNT2 (1.8)	KLF14 (1.7)
SDC1 (2.1)	BNC2 (2.1)	KRTCAP3 (1.9)	BCAM (1.8)	ENSG00000234945 (1
REEP1 (3.9)	EMILIN1 (3.0)	TRNP1 (2.7)	PVRL2 (2.4)	DUSP3 (2.4)
C8orf12 (2.0)	NRBF2 (1.9)	GALNT2 (1.8)	GPN2 (1.6)	NSMAF (1.6)
MYBPC3 (2.5)	MAP1A (2.4)	EPB41L3 (2.2)	DPYSL5 (2.1)	NCAN (2.1)
NFE2L3 (3.1)	EIF2B4 (2.9)	WDR76 (2.8)	MRPL35 (2.6)	PPM1G (2.5)
ENSG00000256731 (2	SFN (1.7)	MAPK10 (1.6)	MAMSTR (1.6)	ENSG00000254235 (1
PTPN13 (2.0)	AFF1 (1.9)	C2orf53 (1.8)	EPB41L3 (1.7)	BNC2 (1.5)
PTPRJ (2.0)	NFE2L3 (1.9)	ENSG00000256746 (1	ARFGAP2 (1.6)	KBTBD4 (1.6)
BAZ1B (2.5)	PTPRJ (2.4)	KANK2 (2.4)	TRNP1 (2.2)	OST4 (2.1)
MPP3 (2.0)	ZNF512 (2.0)	SUGP1 (2.0)	CTDSPL2 (1.9)	DR1 (1.9)
GPN1 (2.7)	PTCD3 (2.7)	TP53BP1 (2.7)	POLR1A (2.7)	USP1 (2.6)
SNX17 (2.2)	NOP58 (2.2)	GATAD2A (2.1)	CBLC (1.8)	EIF2B4 (1.8)
TMEM214 (3.6)	TBL2 (3.5)	MFAP1 (2.8)	PDIA3 (2.8)	ENSG00000226645 (2
NEIL2 (2.8)	FADS2 (2.8)	UBXN2B (2.6)	GPN2 (2.5)	ARFGAP2 (2.1)
DDB2 (3.9)	ZNF512 (3.5)	CTDSPL2 (3.2)	NUP160 (3.1)	MTF2 (2.5)
FAM167A (2.2)	REEP3 (2.2)	EPB41L3 (2.1)	SNX17 (1.9)	BLK (1.7)
OST4 (3.5)	MTCH2 (3.2)	MRPL33 (3.0)	PPIP5K1 (2.7)	PGS1 (2.5)
CASC4 (2.3)	WDR76 (2.3)	TXNL4B (2.2)	FEN1 (2.1)	MTF2 (1.7)
CGREF1 (2.9)	SUGP1 (2.8)	NRBP1 (2.8)	ZNF513 (2.6)	GPN2 (1.9)
TUBGCP4 (2.5)	GPN2 (2.4)	CELF1 (2.3)	MTMR9 (2.3)	CTDSPL2 (2.3)
ARHGAP1 (2.4)	CGREF1 (2.2)	CHMP3 (2.1)	C1QTNF4 (1.8)	TRNP1 (1.7)
CAD (2.4)	TAGLN (2.3)	ATP13A1 (2.2)	NOP58 (2.2)	ZNF408 (2.2)
ENSG00000234945 (2	ZNF664 (2.2)	FAM167A (2.1)	SFN (2.0)	AGBL5 (2.0)
HAPLN4 (3.0)	CCDC92 (2.5)	EPB41L3 (2.5)	C1QTNF4 (2.2)	CKAP5 (2.2)
IZUMO1 (2.6)	DNAJC5G (2.3)	ENSG00000182329 (2	ENSG00000255020 (2	AGBL2 (1.9)
ZNF664 (1.9)	DNAH10 (1.9)	FRMD5 (1.8)	ENSG00000236827 (1	GTF3C2 (1.7)
ARFGAP2 (3.2)	SNX17 (2.9)	NDUFS3 (2.8)	PPM1G (2.5)	PREB (2.5)

ARFGAP2 (3.2)	SNX17 (2.9)	NDUFS3 (2.8)	PPM1G (2.5)	PREB (2.5)
PIGV (2.9)	ATG4C (2.8)	ENSG00000223745 (2	CCDC121 (2.5)	MPV17 (2.2)
ATG4C (2.1)	ENSG00000257711 (1	TRIB1 (1.8)	NEIL2 (1.8)	DR1 (1.8)
WDR76 (2.7)	USP1 (2.5)	CCDC18 (2.1)	BUD13 (2.0)	TUBGCP4 (2.0)
GPN1 (2.6)	INTS10 (2.4)	ZNF335 (2.3)	TRNP1 (2.2)	ATG13 (2.2)
PBX4 (2.4)	ZDHHC18 (2.2)	ENSG00000257711 (2	TECTB (1.9)	MFAP1 (1.8)
ZNF335 (2.7)	ARID1A (2.6)	PIGV (2.5)	KDM3A (2.4)	LSM12 (2.3)
BNC2 (2.1)	C8orf12 (2.1)	MAMSTR (2.1)	ENSG00000179523 (2	KANK2 (1.9)
RSPO3 (2.6)	LSM12 (2.4)	SIK3 (2.2)	PMFBP1 (2.2)	ZNF664 (2.2)
ENSG00000256731 (2	SLC22A3 (2.5)	FZD9 (2.2)	TMEM101 (2.1)	REEP1 (1.9)
CBLC (2.1)	ARHGAP1 (2.1)	ENSG00000223745 (2	GMIP (1.8)	CMIP (1.7)
MYBPC3 (2.6)	DNAH10 (2.6)	EPB41L3 (2.6)	FRMD5 (2.3)	GATA4 (2.1)
PPIP5K1 (2.1)	MTCH2 (2.0)	ANGPTL3 (2.0)	NDUFS3 (2.0)	NR0B2 (2.0)
ENSG00000222035 (2	ENSG00000223522 (2	NEIL2 (2.0)	RSPO3 (2.0)	CYP26A1 (1.9)
FNBP4 (3.3)	NUP160 (3.3)	SPG11 (3.2)	TP53BP1 (3.2)	JMJD1C (2.9)
FNBP4 (3.3)	NUP160 (3.3)	SPG11 (3.2)	TP53BP1 (3.2)	JMJD1C (2.9)
ARID1A (2.0)	GCKR (1.8)	ENSG00000222035 (1	KLF14 (1.7)	PBX4 (1.6)
ENSG00000256731 (2	SLC22A3 (2.5)	FZD9 (2.1)	TMEM101 (2.1)	BNC2 (1.9)
OST4 (1.9)	SUMO1 (1.8)	GATAD2A (1.7)	NFE2L3 (1.7)	ZNF259 (1.6)
CSGALNACT1 (2.1)	BCL7B (2.0)	GMIP (2.0)	RASIP1 (1.9)	ENSG00000254235 (1
NDUFS3 (3.2)	MRPL35 (2.5)	SNX17 (2.5)	PREB (2.3)	C2orf28 (2.2)
C1orf172 (2.5)	APOB (2.4)	KHK (2.2)	STRC (1.9)	CTSB (1.6)
MAPK10 (2.4)	PPY (2.2)	C2orf53 (2.1)	TMEM175 (2.0)	AGBL5 (2.0)
BNC2 (2.4)	CATSPER2 (2.2)	DPYSL5 (2.2)	C11orf49 (2.1)	KLF14 (2.1)
ENSG00000236827 (2	EPB41L3 (2.1)	CMIP (1.9)	MAPK10 (1.8)	CBLC (1.8)
PIGV (2.1)	LINC00208 (2.0)	BCL3 (1.9)	NSMAF (1.9)	NFE2L3 (1.7)
RBKS (1.9)	INTS10 (1.7)	PMFBP1 (1.7)	KLF14 (1.7)	PIGV (1.6)
ZNF259 (3.9)	EIF3J (3.5)	PTCD3 (3.4)	DHODH (3.2)	CAD (3.0)
AMBRA1 (3.0)	KANK2 (2.7)	SIK3 (2.3)	GATAD2A (2.3)	KDM3A (2.0)
C2orf53 (2.6)	FEN1 (2.6)	WDR76 (1.8)	CTDSPL2 (1.8)	PCIF1 (1.7)
SUMO1 (2.8)	SUGP1 (2.6)	CTDSPL2 (2.6)	FEN1 (2.6)	INTS10 (2.6)
ATG4C (2.4)	C11orf49 (2.4)	PBX4 (2.4)	LPAR2 (2.3)	PAFAH1B2 (2.1)
C11orf49 (2.7)	AMBRA1 (2.5)	DNAJC5G (2.4)	PPIP5K1 (2.1)	FADS1 (2.0)
DHODH (2.2)	BRE (2.1)	TXNL4B (2.0)	NAGS (2.0)	ATG4C (1.9)
C11orf9 (2.6)	UCN (2.5)	EMILIN1 (2.3)	GCKR (2.2)	NR0B2 (2.1)
ENSG00000182319 (2	RASIP1 (2.5)	SDCBP (2.5)	ARHGAP1 (2.2)	SFN (2.1)
NDUFS3 (3.2)	SNX17 (2.6)	MRPL35 (2.4)	ARFGAP2 (2.3)	PREB (2.2)
C1QTNF4 (2.5)	RIC8B (2.5)	HARBI1 (2.1)	ENSG00000254235 (2	DNAH10 (1.8)
C8orf49 (2.5)	KLF14 (2.4)	HDAC5 (2.1)	HAPLN4 (2.1)	STRC (2.0)
ABO (2.3)	PPY (2.3)	DOCK7 (2.3)	TRNP1 (2.2)	C8orf12 (2.0)
MFAP1 (2.3)	SUGP1 (2.0)	BUD13 (2.0)	KDM3A (1.9)	PPM1G (1.8)
ATP13A1 (2.5)	PBX4 (2.4)	MTMR9 (2.1)	CLPTM1 (2.0)	MAU2 (2.0)
BNC2 (2.6)	RFX4 (2.4)	IFT172 (2.4)	DNAJC5G (2.4)	CSGALNACT1 (2.2)
PTCD3 (3.1)	CKAP5 (2.9)	DOCK7 (2.9)	GTF3C2 (2.8)	TOMM40 (2.7)
USP1 (3.7)	FEN1 (3.4)	TUBGCP4 (3.4)	CTDSPL2 (2.8)	MTF2 (2.8)
ZNF512 (2.3)	GTF3C2 (2.2)	ENSG00000182319 (2	JMJD1C (2.0)	PTPRJ (1.9)
MPP3 (2.8)	REEP1 (2.6)	EMILIN1 (2.6)	TAGLN (2.5)	NCAN (2.5)
NUP160 (2.7)	BRE (2.4)	CELF1 (2.3)	FNBP4 (2.3)	PTCD3 (2.2)
RSPO3 (2.6)	CITED2 (2.3)	DPYSL5 (2.2)	PVRL2 (2.1)	C2orf28 (2.1)
TMEM175 (2.3)	INTS10 (2.2)	SUGP1 (1.9)	ATP13A1 (1.8)	TUBGCP4 (1.8)

ATG13 (4.3)	CGREF1 (3.2)	PDIA3 (3.1)	ARHGAP1 (2.9)	IFT172 (2.6)
NSMAF (2.4)	AFF1 (2.2)	JMJD1C (1.9)	SDCBP (1.9)	LPAR2 (1.6)
TOMM40 (3.0)	NDUFS3 (2.5)	PPM1G (2.4)	CLPTM1 (2.4)	SNX17 (2.3)
PIGV (2.6)	DR1 (2.4)	ZDHHC18 (2.4)	MAMSTR (2.2)	JMJD1C (2.0)
CHMP3 (2.8)	KANK2 (2.7)	NRBP1 (2.2)	REEP1 (2.2)	CELF1 (2.1)
CGREF1 (2.0)	PCSK7 (2.0)	DNAJC5G (1.9)	STRC (1.8)	ABO (1.8)
MAMSTR (2.9)	GATA4 (2.0)	PLTP (1.7)	FRMD5 (1.7)	CHMP3 (1.7)
REEP1 (2.7)	HAVCR1 (2.5)	MAPRE3 (2.2)	MPP3 (1.7)	SLC30A3 (1.7)
IZUMO1 (2.3)	SUPT7L (2.1)	TDH (2.0)	ENSG00000226645 (1	GMIP (1.7)
IMMT (2.2)	CCDC121 (2.1)	PGS1 (2.1)	PREB (2.1)	TXNL4B (2.1)
CD300LG (1.7)	ENSG00000235545 (1	MAPK10 (1.6)	NCAN (1.5)	RSPO3 (1.4)
TOMM40 (2.7)	IMMT (2.7)	NRBP1 (2.6)	EIF2B4 (2.6)	EIF3J (2.6)
RIC8B (2.3)	DR1 (2.1)	PPIP5K1 (2.1)	PGS1 (2.0)	BCL3 (2.0)
RIC8B (2.3)	DR1 (2.1)	PPIP5K1 (2.1)	PGS1 (2.0)	BCL3 (2.0)
RIC8B (2.3)	DR1 (2.1)	PPIP5K1 (2.1)	PGS1 (2.0)	BCL3 (2.0)
ARHGAP1 (2.7)	SUMO1 (2.5)	CTDSPL2 (2.4)	TMEM214 (2.3)	ATG13 (2.2)
AMBRA1 (2.1)	NUP160 (2.1)	MAU2 (2.1)	MPP2 (2.0)	COBLL1 (1.9)
EPB41L3 (2.6)	C11orf9 (2.5)	MAP1A (2.4)	MAPK10 (2.4)	MPP3 (2.3)
EPB41L3 (2.6)	C11orf9 (2.5)	MAP1A (2.4)	MAPK10 (2.4)	MPP3 (2.3)
BNC2 (2.2)	ATG13 (2.1)	SOST (1.9)	CHMP3 (1.8)	CTDSPL2 (1.7)
SOST (2.2)	CYP26A1 (2.2)	PTPN13 (2.1)	RFX4 (2.1)	LPAR2 (2.0)
RBKS (3.1)	IFT172 (2.5)	OST4 (2.5)	PCIF1 (2.5)	SPG11 (2.4)
ENSG00000255020 (2	BNC2 (2.2)	PYY (2.1)	C8orf49 (1.9)	DOCK7 (1.8)
LRP4 (2.2)	PTPN13 (2.0)	TECTB (1.9)	APOC4 (1.7)	ZNF408 (1.7)
ENSG00000222035 (2	RSPO3 (2.1)	ENSG00000236827 (2	ENSG00000223522 (2	CASC4 (1.9)
ENSG00000182329 (2	AGBL2 (2.5)	ENSG00000234945 (2	LPA (2.2)	FUT2 (2.2)
CCDC92 (2.5)	C11orf49 (2.4)	HAPLN4 (2.3)	FAM167A (2.3)	CKAP5 (2.2)
NSMAF (1.9)	CGREF1 (1.7)	TRIM54 (1.6)	UBXN2B (1.5)	DPYSL5 (1.5)
TP53BP1 (3.3)	IFT172 (3.2)	RBKS (2.9)	AGBL5 (2.7)	G6PC3 (2.3)
ZDHHC18 (2.6)	NRBF2 (2.5)	MFAP1 (2.5)	ARFGAP2 (2.5)	DR1 (2.5)
PTPRJ (2.5)	TAGLN (2.5)	IGF2R (2.3)	LINC00208 (2.0)	CELF1 (2.0)
BAZ1B (2.9)	DDB2 (2.7)	CAD (2.7)	USP1 (2.5)	CTDSPL2 (2.3)
NRBF2 (2.2)	IZUMO1 (2.2)	TOMM40 (2.2)	TMEM214 (2.2)	TXNL4B (2.0)
ZNF664 (2.2)	ZNF513 (2.2)	SUMO1 (2.1)	BNC2 (2.0)	PTPN13 (1.9)
MAPRE3 (2.3)	PTPRJ (2.3)	PBX4 (2.2)	PAFAH1B2 (1.8)	DR1 (1.8)
MTCH2 (3.6)	PTCD3 (2.7)	SNX17 (2.5)	OST4 (2.5)	ENSG00000223745 (2
TMED5 (2.5)	TBL2 (2.5)	GTF3C2 (2.5)	ZDHHC18 (2.5)	IGF2R (2.4)
MAP1A (2.8)	CMIP (2.6)	ENSG00000235545 (2	ENSG00000234945 (2	FNDC4 (2.3)
C11orf49 (2.3)	EPB41L3 (2.3)	ENSG00000255020 (2	MAPK10 (2.1)	TRNP1 (1.9)
CCDC121 (2.0)	C11orf9 (2.0)	BMPR2 (2.0)	KRTCAP3 (1.9)	C8orf12 (1.8)
ZNF664 (2.8)	ARID1A (2.6)	SIK3 (2.6)	DR1 (2.5)	MTF2 (2.4)
C2orf53 (2.4)	NR1H3 (1.8)	ACP2 (1.8)	MPP3 (1.8)	NFE2L3 (1.8)
DDB2 (4.0)	BAZ1B (3.8)	MTF2 (3.4)	NUP160 (3.3)	CTDSPL2 (2.8)
DOCK6 (2.5)	KRTCAP3 (2.4)	RASIP1 (2.0)	NCAN (2.0)	VEGFA (1.9)
CLPTM1 (2.1)	ENSG00000236827 (1	PGS1 (1.9)	SDCBP (1.9)	PMFBP1 (1.8)
SUMO1 (2.5)	BAZ1B (2.4)	ARID1A (2.4)	MTF2 (2.3)	BMPR2 (2.3)
FNBP4 (2.3)	CITED2 (2.1)	ZNF335 (1.8)	ATP13A1 (1.8)	PPM1G (1.8)
MPV17 (2.5)	UCN (2.4)	CCDC121 (2.1)	FUT1 (2.1)	KHK (2.0)
PAFAH1B2 (2.4)	NRBF2 (2.4)	RBKS (2.4)	TMEM101 (2.3)	G6PC3 (2.3)
PPM1G (2.7)	IMMT (2.7)	SNX17 (2.5)	CLPTM1 (2.4)	MTCH2 (2.4)

INTS10 (2.9)	TXNL4B (2.9)	ZNF408 (2.7)	DR1 (2.7)	GPN2 (2.4)
ENSG00000234945 (2	C1orf172 (1.9)	ABO (1.9)	LPAR2 (1.7)	KLF14 (1.7)
CATSPER2 (3.3)	TMED5 (3.2)	TMEM214 (2.8)	GALNT2 (2.4)	ENSG00000223522 (2
SDC1 (2.4)	BCAM (2.4)	DPYSL5 (2.4)	LRP4 (2.4)	TSSK6 (2.3)
MAFF (2.5)	CSGALNACT1 (2.5)	RSPO3 (2.4)	TECTB (2.4)	UCN (2.3)
FZD9 (2.8)	FADS2 (2.4)	PTPN13 (2.2)	LPAL2 (2.2)	FUT2 (2.1)
C1orf172 (2.4)	SDCBP (2.0)	GATAD2A (2.0)	CLPTM1 (2.0)	TP53BP1 (2.0)
UCN (2.2)	ENSG00000222035 (2	IFT172 (2.1)	LPL (2.0)	ENSG00000256731 (2
FRMD5 (2.6)	CCDC92 (2.6)	C11orf9 (2.3)	IZUMO1 (2.2)	ENSG00000182319 (2
BMPR2 (2.7)	C1orf172 (2.5)	NAGS (2.3)	CCDC92 (2.2)	FUT2 (2.1)
TXNL4B (2.6)	GPAM (2.2)	PACSIN3 (2.2)	MAPRE3 (1.9)	CCDC92 (1.9)
TP53BP1 (2.6)	CELF1 (2.5)	MAU2 (2.5)	ARID1A (2.1)	ZNF335 (2.1)
SUGP1 (2.2)	ZNF335 (2.2)	MTMR9 (2.2)	DR1 (2.0)	POLR1A (2.0)
RASIP1 (2.0)	JMJD1C (2.0)	TXNL4B (1.9)	ENSG00000235545 (1	PYY (1.7)
NCAN (2.2)	KRTCAP3 (2.2)	BCAM (2.2)	ENSG00000255020 (2	PVRL2 (1.9)
NRBP1 (3.0)	CELF1 (2.7)	PTCD3 (2.5)	BAZ1B (2.4)	EIF2B4 (2.3)
MRPL33 (2.6)	MTMR9 (2.6)	MPV17 (2.4)	INTS10 (2.3)	BUD13 (2.2)
MAP1A (2.6)	NFE2L3 (2.2)	RIC8B (2.2)	AGBL2 (2.0)	CELF1 (1.8)
MRPL35 (2.4)	BUD13 (2.3)	NOP58 (2.2)	MFAP1 (2.1)	GTF3C2 (2.1)
GMIP (2.3)	DNAH10 (2.1)	G6PC3 (1.8)	MADD (1.7)	LPAL2 (1.6)
C2orf16 (2.6)	UBXN2B (2.3)	ENSG00000222035 (2	LPAL2 (2.1)	ENSG00000256731 (2
ARID1A (2.1)	G6PC3 (1.9)	LSM12 (1.9)	AGBL2 (1.8)	BCAM (1.8)
DNAJC5G (2.3)	TRNP1 (2.2)	HARBI1 (2.1)	FRMD5 (1.9)	PLTP (1.7)
TMEM101 (2.7)	ZNF259 (2.6)	INTS10 (2.6)	SLC5A6 (2.6)	HARBI1 (2.5)
GPN1 (3.3)	PPM1G (3.0)	TOMM40 (2.8)	NOP58 (2.7)	POLR1A (2.6)
DPYSL5 (2.2)	SLC30A3 (2.0)	CGREF1 (1.9)	DNAH10 (1.9)	MPP2 (1.9)
MPP3 (2.1)	TUBGCP4 (2.1)	KRTCAP3 (1.9)	SLC30A3 (1.8)	ENSG00000182319 (1
NRBP1 (2.5)	ZNF335 (2.3)	AGBL5 (2.2)	ZNF513 (2.1)	DHX38 (2.1)
AFF1 (2.1)	ENSG00000254235 (1	COBLL1 (1.7)	SIK3 (1.6)	ENSG00000222035 (1
ATP13A1 (1.8)	ABO (1.8)	ZNF664 (1.8)	RFX4 (1.7)	NOP58 (1.7)
LINC00208 (1.7)	TP53BP1 (1.6)	ATP13A1 (1.5)	SPG11 (1.4)	NUP160 (1.4)
GMIP (2.1)	GATAD2A (2.1)	SNX17 (2.1)	ATG13 (2.0)	CELF1 (1.9)
GMIP (2.4)	ZDHHC18 (2.3)	ACP2 (2.3)	PBX4 (2.2)	PYY (2.0)
INTS10 (2.4)	FNBP4 (2.3)	DHODH (2.2)	JMJD1C (2.2)	SPG11 (2.1)
AFF1 (2.2)	LPAL2 (2.1)	PLA2G6 (2.1)	FADS1 (2.0)	FDFT1 (2.0)
C8orf49 (2.5)	PACSIN3 (2.4)	SOST (2.4)	TDH (2.2)	CYP26A1 (2.2)
GATAD2A (2.8)	KANK2 (2.6)	TRNP1 (2.5)	SDC1 (2.2)	GMIP (2.1)
REEP1 (2.4)	SLC22A3 (2.2)	CD300LG (2.0)	ARHGAP1 (2.0)	PAFAH1B2 (2.0)
PYY (2.1)	KHK (1.8)	RASIP1 (1.7)	ANGPTL4 (1.7)	TRIM54 (1.6)
NCAN (2.8)	TSSK6 (2.2)	PTPN13 (2.2)	FZD9 (2.2)	RSPO3 (2.0)
PPM1G (2.4)	CAD (2.4)	BUD13 (2.3)	GPN1 (2.3)	ZNF259 (2.3)
BMPR2 (2.0)	BCL3 (2.0)	ENSG00000223745 (2	C2orf16 (1.9)	ARHGAP1 (1.8)
C2orf53 (2.4)	ENSG00000255020 (2	NAT2 (2.0)	C2orf16 (1.8)	ENSG00000257711 (1
PBX4 (2.6)	C11orf9 (2.2)	NCAN (2.0)	RFX4 (2.0)	FRMD5 (1.9)
PVRL2 (2.4)	GATAD2A (2.2)	LPAR2 (2.1)	VEGFA (2.1)	DUSP3 (2.0)
PREB (2.5)	BNC2 (2.3)	ARHGAP1 (2.0)	ATG13 (2.0)	OST4 (1.9)
C2orf53 (2.2)	CGREF1 (2.2)	FUT2 (2.0)	TECTB (2.0)	NCAN (1.9)
RSPO3 (3.0)	ENSG00000253379 (2	PTPN13 (2.8)	SDC1 (2.2)	SOST (2.0)
CCDC92 (2.4)	ENSG00000182329 (2	MAP1A (2.3)	ABCA1 (2.3)	C11orf49 (1.9)
NR0B2 (2.5)	C1orf172 (2.3)	C1QTNF4 (2.3)	CBLC (1.9)	CITED2 (1.9)

WDR76 (2.8)	DDB2 (2.8)	PTCD3 (2.5)	BAZ1B (2.5)	PPM1G (2.3)
C2orf28 (3.2)	MRPL35 (2.8)	IMMT (2.7)	MTCH2 (2.6)	PTPMT1 (2.5)
C2orf28 (3.2)	MRPL35 (2.8)	IMMT (2.7)	MTCH2 (2.6)	PTPMT1 (2.5)
MPV17 (2.3)	ENSG00000234945 (2	ENSG00000223522 (2	PMFBP1 (2.1)	ATP13A1 (2.0)
MRPL35 (2.8)	EIF2B4 (2.6)	MTCH2 (2.6)	TOMM40 (2.4)	OST4 (2.3)
MRPL35 (2.8)	EIF2B4 (2.6)	MTCH2 (2.6)	TOMM40 (2.4)	OST4 (2.3)
VEGFA (2.4)	CSGALNACT1 (2.4)	BCAM (2.3)	FAM167A (2.2)	ENSG00000222035 (2
SIK3 (2.6)	ARFGAP2 (2.6)	KDM3A (2.5)	ATG13 (2.1)	MAU2 (2.1)
ENSG00000254235 (1	COBLL1 (1.8)	ZDHHC18 (1.8)	C8orf12 (1.7)	AFF1 (1.7)
C8orf12 (2.6)	PCIF1 (2.6)	ATG13 (1.9)	CCDC18 (1.8)	CKAP5 (1.7)
ENSG00000253379 (2	SDC1 (2.1)	NFE2L3 (2.1)	DNAJC5G (2.0)	ENSG00000254235 (2
CILP2 (1.7)	LPAL2 (1.5)	ABO (1.5)	RFX4 (1.3)	ENSG00000226645 (1
ENSG00000222035 (2	ENSG00000236827 (1	C8orf49 (1.7)	C11orf9 (1.6)	MPP2 (1.5)
GMIP (2.6)	ATG13 (2.5)	DOCK6 (2.5)	SIDT2 (2.2)	PAFAH1B2 (2.0)
C2orf53 (2.5)	MAMSTR (2.5)	SLC22A3 (2.4)	UCN (2.3)	FRMD5 (2.3)
TRIM54 (2.7)	CYP26A1 (2.2)	SLC30A3 (2.1)	ENSG00000253379 (2	ARHGAP1 (2.0)
NUP160 (2.9)	CTDSPL2 (2.8)	FEN1 (2.8)	EIF3J (2.7)	PPIP5K1 (2.6)
RSPO3 (2.4)	CSGALNACT1 (2.3)	SLC22A3 (2.1)	KANK2 (2.0)	C2orf16 (1.9)
HP (2.8)	APOC3 (2.7)	APOB (2.7)	HGFAC (2.7)	C19orf80 (2.4)
PDIA3 (2.1)	PTCD3 (2.0)	CGREF1 (1.8)	GATAD2A (1.6)	CITED2 (1.6)
RASIP1 (2.6)	REEP1 (2.4)	EMILIN1 (2.3)	PYY (2.3)	RSPO3 (2.3)
ENSG00000236267 (2	DNAH10 (2.4)	C2orf53 (2.1)	CYP7A1 (2.1)	ENSG00000179523 (2
OST4 (3.7)	ATG13 (3.0)	CGREF1 (3.0)	NRBF2 (2.7)	SNX17 (2.5)
ARID1A (1.9)	FZD9 (1.9)	DNAH10 (1.7)	SDC1 (1.7)	NCAN (1.7)
GTF3C2 (2.2)	ARFGAP2 (2.1)	GPAM (2.0)	PPM1G (1.9)	AFF1 (1.8)
SPG11 (2.5)	DUSP3 (2.3)	PTPMT1 (2.3)	PAFAH1B2 (2.2)	ENSG00000256746 (2
SLC22A3 (3.2)	KANK2 (3.1)	SFN (2.9)	FRMD5 (2.8)	ARHGAP1 (2.6)
ZNF259 (3.3)	BUD13 (3.1)	CAD (3.0)	GPN2 (2.8)	DHX38 (2.8)
MAPRE3 (1.8)	AFF1 (1.7)	JMJD1C (1.7)	MPV17 (1.6)	C17orf105 (1.6)
ENSG00000182319 (2	SNX17 (2.4)	ATG4C (2.3)	GATAD2A (2.1)	NRBP1 (2.0)
ENSG00000182319 (2	SNX17 (2.4)	ATG4C (2.3)	GATAD2A (2.1)	NRBP1 (2.0)
SUMO1 (2.7)	LSM12 (2.6)	FNBP4 (2.5)	TXNL4B (2.5)	NDUFS3 (2.3)
PLA2G6 (2.1)	DNAH10 (1.7)	IZUMO1 (1.7)	APOE (1.6)	PCSK7 (1.5)
MAP1A (2.4)	CITED2 (2.4)	C11orf49 (2.3)	TRIB1 (2.2)	ENSG00000254235 (2
FNBP4 (2.6)	PCSK7 (2.5)	UBXN2B (2.4)	MAU2 (2.4)	ZNF259 (2.4)
MAMSTR (3.0)	ENSG00000222035 (2	IZUMO1 (2.5)	CILP2 (2.1)	PMFBP1 (2.1)
CTSB (2.6)	C2orf28 (2.5)	EPB41L3 (2.4)	APOE (2.4)	REEP3 (2.1)
TMEM101 (2.5)	GPN1 (2.3)	CASC4 (2.2)	OST4 (2.1)	BUD13 (2.1)
KDM3A (2.3)	MAU2 (2.3)	HAPLN4 (2.3)	CSGALNACT1 (2.2)	SLC30A3 (2.2)
MTCH2 (2.2)	TUBGCP4 (2.2)	CKAP5 (2.1)	BCL7B (2.1)	CGREF1 (2.0)
ZNF259 (3.2)	GATAD2A (3.1)	ARFGAP2 (2.9)	PPM1G (2.9)	PTCD3 (2.7)
COBLL1 (2.1)	CETP (1.9)	HDAC5 (1.8)	BCL7B (1.8)	STRC (1.7)
MPP3 (2.2)	EPB41L3 (2.2)	NRBF2 (2.0)	PTPRJ (1.9)	PVRL2 (1.9)
C1orf172 (1.9)	FUT1 (1.8)	BNC2 (1.8)	SPG11 (1.7)	CILP2 (1.7)
PTPRJ (2.1)	NSMAF (1.9)	CTSB (1.9)	GMIP (1.8)	CETP (1.7)
LINC00208 (1.8)	PIGV (1.6)	CCDC92 (1.6)	C2orf16 (1.4)	LPAR2 (1.4)
DNAH10 (2.0)	ENSG00000234945 (2	APOE (1.6)	ABO (1.5)	CCDC121 (1.5)
NAGS (1.9)	ZNF408 (1.9)	UBXN2B (1.8)	TMED5 (1.8)	GPN2 (1.8)
BUD13 (3.0)	DHX38 (2.7)	MAU2 (2.7)	NUP160 (2.7)	ATP13A1 (2.7)
DUSP3 (2.9)	PPIP5K1 (2.9)	NRBP1 (2.9)	BRE (2.6)	HDAC5 (2.4)

MTF2 (2.9)	CTDSPL2 (2.6)	AFF1 (2.3)	SUMO1 (2.3)	PLA2G6 (2.2)
PBX4 (2.4)	MPP2 (2.2)	ENSG00000236827 (2	NAT2 (2.1)	KHK (2.0)
MFAP1 (2.3)	SDCBP (2.3)	ARHGAP1 (2.2)	NUP160 (2.2)	NEIL2 (2.1)
CETP (2.6)	NR1H3 (1.9)	GALNT2 (1.5)	IGF2R (1.5)	PLA2G6 (1.4)
PREB (2.8)	NDUFS3 (2.8)	PDIA3 (2.7)	EIF2B4 (2.7)	C2orf28 (2.3)
FEN1 (2.4)	MTF2 (2.4)	CCDC18 (2.3)	CTDSPL2 (2.3)	KHK (2.1)
ATP13A1 (2.3)	ACP2 (2.3)	CHMP3 (2.3)	CASC4 (2.2)	TMED5 (2.2)
DHODH (2.7)	UCN (2.6)	PTCD3 (2.6)	BRE (2.5)	MRPL33 (2.3)
BNC2 (2.2)	ENSG00000222035 (2	CASC4 (2.1)	NAGS (2.0)	ENSG00000182319 (1
LPAR2 (1.9)	TRNP1 (1.8)	HAVCR1 (1.7)	CD300LG (1.7)	GATAD2A (1.7)
FUT2 (2.7)	C17orf105 (2.6)	STRC (2.6)	SUMO1 (2.4)	C2orf53 (2.3)
ENSG00000236827 (2	PMFBP1 (2.3)	HAPLN4 (2.3)	NCAN (2.1)	ENSG00000256731 (2
ENSG00000236827 (2	PMFBP1 (2.3)	HAPLN4 (2.3)	NCAN (2.1)	ENSG00000256731 (2
NR1H3 (2.7)	TECTB (2.1)	TMEM175 (2.0)	LPAR2 (2.0)	ACP2 (2.0)
EIF3J (3.0)	ZNF335 (2.9)	FNBP4 (2.8)	ATP13A1 (2.7)	ZNF259 (2.4)
FEN1 (2.2)	DOCK7 (2.2)	CITED2 (2.0)	CTDSPL2 (2.0)	PTCD3 (1.9)
MTF2 (3.0)	DDB2 (2.9)	NUP160 (2.5)	FDFT1 (2.2)	CTDSPL2 (2.0)
MTF2 (3.0)	DDB2 (2.9)	NUP160 (2.5)	FDFT1 (2.2)	CTDSPL2 (2.0)
C11orf49 (1.9)	DPYSL5 (1.8)	ARHGAP1 (1.8)	HARBI1 (1.7)	BLK (1.7)
REEP1 (3.0)	FZD9 (2.4)	KANK2 (2.1)	IGF2R (1.8)	ENSG00000253379 (1
CITED2 (2.6)	ZNF335 (2.5)	KBTBD4 (2.1)	PPM1G (2.0)	ARID1A (2.0)
EIF2B4 (2.2)	TUBGCP4 (2.2)	FDFT1 (2.1)	RIC8B (2.1)	ATG13 (2.1)
OST4 (4.1)	IMMT (3.8)	MTCH2 (3.8)	C2orf28 (3.6)	PPIP5K1 (2.9)
GALNT2 (1.9)	NCAN (1.8)	SNX17 (1.8)	GATAD2A (1.6)	FNDC4 (1.6)
GALNT2 (1.9)	NCAN (1.8)	SNX17 (1.8)	GATAD2A (1.6)	FNDC4 (1.6)
MADD (2.1)	C1QTNF4 (2.1)	GATA4 (2.0)	BCL7B (1.9)	CCDC92 (1.9)
HARBI1 (2.4)	ATG13 (2.4)	ARFGAP2 (2.4)	SIK3 (2.3)	EIF3J (2.0)
BRE (2.6)	PPIP5K1 (2.5)	SPG11 (2.5)	ZNF512 (2.4)	MTF2 (2.3)
C1orf172 (2.5)	CTDSPL2 (2.4)	MAPK10 (2.3)	SDC1 (2.2)	WDR76 (2.1)
MAP1A (2.4)	SFN (2.2)	TAGLN (2.1)	C2orf53 (2.1)	REEP1 (1.9)
RASIP1 (2.9)	ATG4C (2.5)	CYP26A1 (2.4)	SUMO1 (2.4)	AGBL2 (2.3)
TMED5 (2.3)	CKAP5 (2.2)	CCDC92 (2.2)	FNDC4 (2.2)	PBX4 (2.2)
TMED5 (2.3)	CKAP5 (2.2)	CCDC92 (2.2)	FNDC4 (2.2)	PBX4 (2.2)
OST4 (4.2)	IMMT (3.9)	MTCH2 (3.0)	PPIP5K1 (2.3)	NR0B2 (2.0)
PIGV (2.2)	ABHD1 (2.1)	ATG4C (2.0)	LPAL2 (1.8)	C17orf105 (1.8)
ZNF335 (2.7)	MAFF (2.4)	ZNF513 (2.2)	C2orf28 (2.0)	GMIP (1.9)
CELF1 (2.3)	GATAD2A (2.2)	CMIP (2.0)	DNAH10 (1.8)	MTMR9 (1.8)
FEN1 (3.0)	NFE2L3 (3.0)	WDR76 (2.4)	MRPL35 (2.3)	DDB2 (2.3)
FEN1 (3.0)	NFE2L3 (3.0)	WDR76 (2.4)	MRPL35 (2.3)	DDB2 (2.3)
CYP26A1 (2.3)	DNAH10 (2.2)	PMFBP1 (2.0)	DNAJC5G (2.0)	RFX4 (2.0)
HAPLN4 (2.1)	VEGFA (2.1)	IGF2R (2.1)	HDAC5 (2.0)	PYY (1.9)
HDAC5 (2.4)	FUT1 (2.4)	AGBL5 (2.4)	DOCK6 (2.1)	PPIP5K1 (1.9)
C8orf49 (3.4)	ENSG00000255020 (3	TDH (2.7)	PACSIN3 (2.3)	DNAJC5G (2.3)
GPN1 (2.3)	ZDHHC18 (2.1)	SDCBP (2.1)	SNX17 (2.0)	C8orf12 (2.0)
C17orf105 (2.5)	KLF14 (2.5)	DNAJC5G (2.5)	ENSG00000254235 (2	ABHD1 (2.1)
ENSG00000255020 (2	CYP26A1 (2.1)	UBXN2B (2.0)	FZD9 (1.9)	C2orf16 (1.9)
EIF2B4 (2.2)	NEIL2 (1.9)	CAD (1.9)	MTCH2 (1.9)	REEP1 (1.9)
TUBGCP4 (2.4)	PPM1G (2.4)	NOP58 (2.3)	SDCBP (2.2)	NUP160 (2.1)
CD300LG (2.3)	JMJD1C (2.3)	LRP4 (2.1)	ENSG00000226645 (2	HAPLN4 (1.9)
CYP26A1 (3.2)	RFX4 (3.2)	FUT2 (2.9)	FZD9 (2.5)	SOST (2.3)

SUMO1 (2.5)	DR1 (2.2)	KDM3A (2.2)	DHODH (1.9)	MTF2 (1.8)
DUSP3 (1.5)	DDB2 (1.5)	TXNL4B (1.4)	ATG4C (1.4)	CCDC18 (1.4)
MAU2 (2.1)	BCL3 (2.0)	MADD (1.8)	PTPRJ (1.8)	ENSG00000182319 (1
RBKS (2.1)	CTSB (2.0)	ENSG00000200241 (1	TDH (1.7)	ZDHHC18 (1.7)
STRC (2.2)	APOA4 (2.1)	PBX4 (2.0)	FAM167A (1.9)	ENSG00000234945 (1
IMMT (2.0)	ENSG00000179523 (2	CMIP (2.0)	EIF3J (1.9)	MAPRE3 (1.8)
C1QTNF4 (1.9)	UCN (1.9)	MAPK10 (1.8)	PMFBP1 (1.8)	RIC8B (1.8)
MAP1A (2.5)	KANK2 (2.5)	PACSIN3 (2.4)	PREB (1.9)	AGBL2 (1.9)
APOA4 (1.9)	MAP1A (1.9)	RSPO3 (1.9)	OST4 (1.8)	FGF21 (1.8)
SOST (3.2)	LPAL2 (2.8)	LSM12 (2.7)	PTPN13 (2.7)	EMILIN1 (2.7)
MRPL33 (2.1)	INTS10 (2.0)	MFAP1 (2.0)	DR1 (2.0)	NUP160 (1.9)
NDUFS3 (2.9)	MRPL35 (2.8)	CKAP5 (2.6)	SNX17 (2.5)	SUGP1 (2.4)
SNX17 (2.4)	BCL7B (2.2)	SIK3 (1.9)	CCDC18 (1.7)	PPM1G (1.7)
NDUFS3 (3.0)	MRPL35 (2.8)	SNX17 (2.5)	CKAP5 (2.4)	SUGP1 (2.4)
HARBI1 (2.3)	NUP160 (2.2)	MTF2 (2.0)	CASC4 (2.0)	JMJD1C (1.9)
MAPRE3 (2.3)	MAP1A (2.3)	CELF1 (2.0)	CBLC (2.0)	MAPK10 (1.9)
NDUFS3 (2.8)	MRPL35 (2.6)	PPM1G (2.6)	SNX17 (2.6)	ARFGAP2 (2.5)
MAPRE3 (2.3)	SDCBP (2.1)	KLF14 (2.1)	MADD (2.1)	PTPRJ (2.0)
BUD13 (2.7)	CELF1 (2.6)	FNBP4 (2.6)	UBXN2B (2.5)	LSM12 (2.3)
HARBI1 (1.9)	ARFGAP2 (1.9)	NSMAF (1.9)	FNBP4 (1.8)	ZNF335 (1.8)
MRPL35 (4.4)	MRPL33 (3.5)	MTCH2 (3.0)	PPIP5K1 (2.6)	PTCD3 (2.2)
PVRL2 (2.2)	SDCBP (2.1)	KANK2 (1.9)	C11orf9 (1.8)	CCDC18 (1.8)
CILP2 (2.1)	ABHD1 (1.9)	EPB41L3 (1.8)	PTPMT1 (1.8)	KRTCAP3 (1.7)
EIF2B4 (2.2)	ENSG00000226645 (2	ZNF513 (2.2)	ENSG00000182329 (2	ZNF512 (2.1)
ZNF513 (2.2)	SUMO1 (2.1)	DOCK7 (2.0)	PTPN13 (2.0)	BNC2 (1.9)
GATA4 (2.8)	IGF2R (2.6)	C8orf49 (2.5)	MYBPC3 (2.5)	REEP1 (2.1)
TAGLN (2.1)	C11orf9 (1.9)	FAM167A (1.8)	CHMP3 (1.8)	ARHGAP1 (1.8)
ENSG00000223522 (2	ZNF513 (2.8)	ZNF512 (2.4)	LSM12 (2.2)	MAMSTR (2.2)
GATA4 (2.8)	IGF2R (2.5)	MYBPC3 (2.5)	C8orf49 (2.4)	REEP1 (2.3)
ENSG00000200241 (2	MFAP1 (2.5)	PAFAH1B2 (2.4)	C11orf9 (2.2)	BCL3 (2.1)
CCDC18 (2.2)	PIGV (2.2)	RFX4 (2.0)	DOCK6 (1.9)	SIDT2 (1.9)
HARBI1 (1.8)	MTF2 (1.6)	TXNL4B (1.6)	SUPT7L (1.6)	JMJD1C (1.6)
HDAC5 (2.7)	MADD (2.4)	FADS2 (2.3)	OST4 (2.1)	HARBI1 (2.0)
DUSP3 (2.6)	ENSG00000182319 (2	MAPRE3 (2.3)	TRIM54 (2.3)	SDC1 (2.2)
GPN1 (3.0)	CKAP5 (2.9)	ARFGAP2 (2.7)	INTS10 (2.7)	DHX38 (2.6)
RSPO3 (2.4)	DPYSL5 (2.3)	CSGALNACT1 (2.3)	VEGFA (2.2)	IMMT (2.1)
ARHGAP1 (3.0)	REEP1 (2.9)	KANK2 (2.2)	C11orf9 (2.1)	DUSP3 (2.0)
NRBP1 (2.5)	EIF2B4 (2.4)	SNX17 (2.2)	MAPRE3 (2.1)	ENSG00000179523 (2
PMFBP1 (1.8)	MAPK10 (1.7)	ENSG00000223745 (1	C1orf172 (1.7)	MPP3 (1.7)
PACSIN3 (2.2)	NCAN (2.1)	FUT1 (2.1)	C2orf16 (2.0)	DDB2 (1.8)
LRP4 (2.4)	ABO (1.9)	MPP3 (1.8)	MAP1A (1.7)	HAPLN4 (1.7)
NUP160 (2.9)	SUGP1 (2.4)	KBTBD4 (2.2)	INTS10 (2.1)	PTCD3 (2.0)
FNBP4 (2.4)	POLR1A (2.3)	OST4 (2.2)	PPM1G (2.1)	EIF3J (2.1)
ABCA1 (2.4)	PLTP (2.4)	CLPTM1 (2.4)	TECTB (2.4)	EPB41L3 (2.3)
CTDSPL2 (2.8)	PTCD3 (2.4)	SUMO1 (2.3)	USP1 (2.2)	TUBGCP4 (2.0)
UCN (2.2)	HAVCR1 (2.1)	C1QTNF4 (2.1)	ENSG00000236267 (1	FRMD5 (1.6)
BAZ1B (3.0)	ARID1A (2.8)	PCIF1 (2.7)	ZNF664 (2.5)	GATAD2A (2.3)
KLF14 (1.7)	KBTBD4 (1.5)	HAPLN4 (1.5)	ENSG00000179523 (1	JMJD1C (1.5)
KLF14 (1.7)	KBTBD4 (1.5)	HAPLN4 (1.5)	ENSG00000179523 (1	JMJD1C (1.5)
CBLC (2.2)	SFN (2.1)	BCAM (2.1)	C11orf9 (2.0)	C2orf16 (1.9)

MTCH2 (3.3)	PTCD3 (2.9)	SNX17 (2.8)	PPIP5K1 (2.6)	TUBGCP4 (2.5)
SNX17 (1.7)	SIDT2 (1.7)	GMIP (1.7)	PBX4 (1.7)	PCIF1 (1.6)
MAP1A (2.1)	MYBPC3 (1.9)	C1QTNF4 (1.9)	ENSG00000235545 (1	C11orf9 (1.8)
MAU2 (2.5)	ENSG00000223522 (2	NOP58 (2.1)	LSM12 (2.1)	C1orf172 (2.0)
C2orf28 (3.0)	MAU2 (2.8)	ACP2 (2.6)	TMEM101 (2.5)	GATA4 (2.4)
C2orf28 (3.0)	MAU2 (2.8)	ACP2 (2.6)	TMEM101 (2.5)	GATA4 (2.4)
PREB (3.0)	TMED5 (2.8)	IMMT (2.5)	PPM1G (2.5)	GPN1 (2.4)
FAM167A (2.2)	NFE2L3 (2.0)	AGBL2 (1.9)	ENSG00000257711 (1	ENSG00000223745 (1
TOMM40 (2.0)	CMIP (2.0)	EIF3J (1.9)	CAD (1.4)	CLPTM1 (1.4)
KRTCAP3 (2.2)	ENSG00000182329 (2	ENSG00000255020 (2	MAMSTR (2.1)	ENSG00000234945 (2
CYP26A1 (2.2)	RFX4 (2.0)	ENSG00000253379 (1	DPYSL5 (1.8)	FZD9 (1.6)
TDH (2.6)	IZUMO1 (2.2)	FADS1 (2.1)	FNDC4 (1.8)	GCKR (1.7)
ACP2 (2.3)	DDB2 (2.1)	ZDHHC18 (2.0)	BRE (2.0)	SLC22A3 (1.9)
TBL2 (3.9)	TMED5 (3.6)	ATP13A1 (3.3)	G6PC3 (2.9)	PREB (2.7)
DHX38 (2.1)	ENSG00000223522 (1	FNBP4 (1.9)	NSMAF (1.9)	POLR1A (1.9)
DHX38 (2.1)	ENSG00000223522 (1	FNBP4 (1.9)	NSMAF (1.9)	POLR1A (1.9)
HAPLN4 (3.6)	ENSG00000253379 (3	RFX4 (2.7)	SOST (2.6)	FZD9 (2.6)
SNX17 (3.2)	PREB (2.8)	GPN1 (2.7)	NDUFS3 (2.6)	POLR1A (2.5)
C17orf105 (2.1)	SLC5A6 (2.1)	MPV17 (2.0)	BRE (1.9)	AGBL5 (1.9)
JMJD1C (2.3)	CYP26A1 (2.2)	ENSG00000235545 (2	LRP4 (2.1)	BNC2 (2.1)
GATAD2A (2.8)	USP1 (2.8)	AGBL5 (2.8)	PPM1G (2.7)	FEN1 (2.5)
PDIA3 (1.8)	NSMAF (1.7)	DNAJC5G (1.5)	DPYSL5 (1.5)	FNBP4 (1.5)
PTPRJ (2.3)	SDCBP (2.3)	TMEM214 (1.9)	BRE (1.9)	ARFGAP2 (1.9)
CCDC92 (2.6)	MAP1A (2.5)	APOE (2.4)	MADD (2.0)	MPV17 (1.9)
PDIA3 (2.7)	TRIM54 (2.0)	REEP1 (1.9)	SUMO1 (1.8)	GALNT2 (1.8)
DHX38 (3.0)	PPM1G (2.9)	IMMT (2.7)	SUGP1 (2.6)	ZNF512 (2.6)
EIF3J (3.2)	ARFGAP2 (3.2)	NDUFS3 (3.1)	MRPL35 (2.8)	PREB (2.7)
LINC00208 (2.3)	SDC1 (2.0)	FAM167A (1.8)	ENSG00000226645 (1	BMPR2 (1.7)
FNBP4 (2.3)	ATP13A1 (2.2)	ENSG00000222035 (2	CITED2 (2.0)	PPM1G (1.9)
NEIL2 (1.9)	FRMD5 (1.8)	C1orf172 (1.8)	ENSG00000223745 (1	C11orf9 (1.5)
MAP1A (2.3)	PTPN13 (2.2)	FRMD5 (2.0)	ATG13 (1.9)	C1QTNF4 (1.9)
EPB41L3 (2.1)	MPP3 (2.0)	MLXIPL (1.8)	MAP1A (1.7)	LINC00208 (1.7)
ENSG00000254235 (2	DR1 (2.0)	CELF1 (2.0)	HDAC5 (1.9)	PGS1 (1.6)
PPM1G (3.4)	FEN1 (3.1)	NUP160 (3.0)	WDR76 (2.9)	DDB2 (2.5)
GMIP (2.8)	CCDC92 (2.3)	PAFAH1B2 (2.3)	BCL3 (2.0)	MAFF (1.9)
ZDHHC18 (1.9)	PREB (1.8)	PGS1 (1.7)	GATAD2A (1.6)	CMIP (1.6)
ENSG00000236827 (2	ENSG00000223745 (2	FGF21 (1.9)	CITED2 (1.8)	MAPRE3 (1.8)
EIF2B4 (2.7)	SUMO1 (2.6)	PREB (2.6)	PDIA3 (2.6)	NDUFS3 (2.5)
NDUFS3 (2.9)	NFE2L3 (2.7)	EIF2B4 (2.7)	DDB2 (2.4)	ENSG00000255020 (2
ZDHHC18 (2.3)	GMIP (2.2)	CYP7A1 (2.0)	NFE2L3 (1.9)	LPAL2 (1.7)
CCDC121 (2.4)	FNDC4 (1.9)	PTPN13 (1.9)	GALNT2 (1.8)	C11orf49 (1.7)
COBLL1 (1.5)	PLTP (1.4)	PMFBP1 (1.4)	KANK2 (1.3)	RBKS (1.2)
C1QTNF4 (2.0)	CCDC92 (2.0)	MAP1A (1.9)	LPAL2 (1.7)	PPIP5K1 (1.7)
CTDSPL2 (3.3)	BAZ1B (3.0)	USP1 (2.9)	PIGV (2.8)	RIC8B (2.8)
RSPO3 (2.5)	FUT2 (2.5)	KLF14 (2.4)	IFT172 (2.4)	C2orf16 (2.1)
PBX4 (2.3)	FUT1 (2.2)	GATAD2A (2.2)	ZDHHC18 (2.1)	C1QTNF4 (2.1)
PMFBP1 (1.9)	SLC22A3 (1.9)	MPP3 (1.8)	UCN (1.8)	MAPK10 (1.8)
COBLL1 (1.8)	DUSP3 (1.8)	FUT1 (1.8)	MYBPC3 (1.8)	KLF14 (1.7)
NDUFS3 (3.1)	MRPL35 (2.9)	PREB (2.6)	ENSG00000255020 (2	MTF2 (2.2)
C2orf53 (2.4)	FUT1 (2.4)	ATG4C (2.2)	TECTB (2.1)	DOCK6 (2.0)

SUGP1 (2.5)	ZNF259 (2.4)	SLC5A6 (2.3)	NRBF2 (2.1)	MRPL33 (2.1)
PCIF1 (3.2)	CTDSPL2 (2.8)	MTF2 (2.4)	SIK3 (2.4)	WDR76 (2.2)
ZDHHC18 (2.4)	STRC (2.3)	PTPRJ (2.3)	LINC00208 (2.3)	AFF1 (2.0)
ATG13 (2.4)	BUD13 (2.3)	FUT1 (2.2)	GMIP (2.1)	MADD (2.1)
PBX4 (2.6)	NCAN (2.4)	RFX4 (2.0)	SLC30A3 (1.8)	PTPN13 (1.8)
LSM12 (2.5)	FADS2 (2.4)	C11orf9 (2.3)	TRNP1 (2.1)	ENSG00000182319 (2
ZNF259 (3.0)	TOMM40 (2.9)	GPN2 (2.8)	ZNF408 (2.6)	PTCD3 (2.5)
DNAH10 (2.6)	SUGP1 (2.5)	LINC00208 (2.2)	ZNF512 (2.0)	CCDC18 (1.9)
ARFGAP2 (2.2)	SNX17 (2.0)	CYP26A1 (2.0)	SUGP1 (2.0)	UBXN2B (1.9)
MTMR9 (2.6)	KBTBD4 (2.3)	GPN2 (2.3)	ZNF335 (2.1)	ZNF513 (2.0)
TMEM101 (2.7)	GPN2 (2.6)	SLC5A6 (2.5)	HARBI1 (2.5)	MTMR9 (2.4)
CITED2 (2.3)	IMMT (2.2)	BAZ1B (1.9)	ARID1A (1.8)	NUP160 (1.7)
CSGALNACT1 (2.0)	FRMD5 (1.9)	NR0B2 (1.6)	DNAH10 (1.5)	FGF21 (1.5)
PAFAH1B2 (1.8)	DDB2 (1.8)	CBLC (1.6)	CD300LG (1.6)	PYY (1.5)
MFAP1 (2.5)	KBTBD4 (2.2)	PCIF1 (2.2)	TP53BP1 (2.2)	SUPT7L (2.1)
TXNL4B (2.7)	BUD13 (2.6)	ENSG00000226645 (2	DR1 (2.3)	GPN2 (2.1)
PACSIN3 (3.8)	MPV17 (3.1)	GATA4 (3.0)	RASIP1 (1.8)	GTF3C2 (1.8)
CELF1 (2.4)	CTDSPL2 (2.3)	ZNF664 (2.2)	LSM12 (2.2)	BAZ1B (1.9)
AMBRA1 (2.1)	KBTBD4 (2.0)	GPN2 (2.0)	ZNF512 (2.0)	GPN1 (1.9)
AFF1 (2.1)	GALNT2 (2.0)	CASC4 (1.9)	FRMD5 (1.8)	TMEM101 (1.8)
IFT172 (3.7)	MADD (3.4)	ATG13 (3.2)	SNX17 (3.0)	SPG11 (2.9)
IFT172 (3.7)	MADD (3.4)	ATG13 (3.2)	SNX17 (3.0)	SPG11 (2.9)
NFE2L3 (2.3)	HAVCR1 (2.1)	PIGV (2.1)	ZNF408 (1.9)	RIC8B (1.9)
DPYSL5 (3.0)	ENSG00000253379 (2	TDH (2.5)	STRC (2.4)	EMILIN1 (2.4)
ATP13A1 (2.6)	ZNF664 (2.5)	MTCH2 (2.4)	IMMT (2.3)	POLR1A (2.3)
BCAM (2.1)	DNAJC5G (2.0)	BNC2 (1.9)	ENSG00000200241 (1	EPB41L3 (1.7)
DNAH10 (2.3)	ABO (2.2)	C8orf12 (2.1)	TSSK6 (2.1)	AGBL5 (2.0)
AGBL5 (2.0)	CITED2 (1.9)	MAMSTR (1.9)	FNBP4 (1.8)	ENSG00000226645 (1
SNX17 (2.7)	CAD (2.7)	POLR1A (2.5)	RIC8B (2.5)	PLA2G6 (2.4)
C11orf49 (2.0)	EIF2B4 (2.0)	NFE2L3 (2.0)	IMMT (1.9)	EPB41L3 (1.9)
C11orf49 (2.0)	EIF2B4 (2.0)	NFE2L3 (2.0)	IMMT (1.9)	EPB41L3 (1.9)
LSM12 (3.0)	GTF3C2 (2.6)	NRBF2 (2.6)	KDM3A (2.5)	ZNF335 (2.5)
ENSG00000223522 (3	AMBRA1 (2.5)	ENSG00000236827 (2	HDAC5 (2.4)	ENSG00000253379 (2
ENSG00000256746 (2	RASIP1 (2.3)	AGBL5 (2.3)	CYP26A1 (2.2)	SUMO1 (2.0)
TXNL4B (2.6)	ZNF408 (2.4)	CTSB (2.3)	SUPT7L (2.2)	TMEM101 (2.1)
SUPT7L (2.5)	ENSG00000234945 (2	PAFAH1B2 (2.2)	C11orf49 (2.1)	SUMO1 (2.1)
CELF1 (3.0)	MFAP1 (2.6)	MTF2 (2.5)	ZNF513 (2.4)	KBTBD4 (2.3)
MPV17 (2.4)	TIMD4 (1.9)	TUBGCP4 (1.8)	REEP3 (1.6)	LPL (1.5)
NDUFS3 (3.1)	MRPL35 (2.8)	SNX17 (2.6)	SUGP1 (2.3)	CKAP5 (2.3)
TXNL4B (2.1)	DNAJC5G (2.1)	CATSPER2 (2.0)	C2orf53 (2.0)	PPIP5K1 (1.9)
MTMR9 (2.5)	ABO (2.4)	FUT1 (2.3)	C11orf49 (2.3)	UBXN2B (2.3)
NFE2L3 (2.5)	ZNF664 (2.3)	SNX17 (2.3)	PCIF1 (2.0)	ENSG00000255020 (1
MPP3 (2.7)	MAPRE3 (2.6)	CMIP (2.2)	PTPRJ (2.2)	SLC30A3 (2.2)
ATP13A1 (1.7)	FAM167A (1.5)	NFE2L3 (1.3)	SPG11 (1.3)	IZUMO1 (1.3)
TDH (2.1)	PBX4 (2.0)	C8orf49 (2.0)	CCDC18 (2.0)	TBL2 (1.8)
UBXN2B (2.8)	FNBP4 (2.7)	CELF1 (2.6)	BUD13 (2.5)	LSM12 (2.3)
CBLC (2.7)	NEIL2 (2.7)	TDH (2.6)	STRC (2.2)	UCN (2.1)
BRE (3.1)	NDUFS3 (3.1)	IMMT (2.9)	SDCBP (2.7)	MPV17 (2.7)
GPAM (3.5)	ENSG00000223522 (2	PGS1 (2.3)	C19orf80 (2.3)	MLXIPL (2.3)
GPAM (3.5)	ENSG00000223522 (2	PGS1 (2.3)	C19orf80 (2.3)	MLXIPL (2.3)

TDH (2.2)	SOST (1.9)	DR1 (1.8)	NSMAF (1.7)	CHMP3 (1.7)
ARHGAP1 (2.6)	COBLL1 (2.5)	MADD (2.4)	CHMP3 (2.3)	AFF1 (2.3)
MAP1A (2.7)	REEP1 (2.5)	BCAM (2.5)	KANK2 (2.4)	CLPTM1 (2.4)
TP53BP1 (2.1)	IGF2R (2.0)	GATAD2A (2.0)	MPV17 (2.0)	PGS1 (2.0)
SPG11 (2.4)	BNC2 (2.2)	TP53BP1 (2.1)	COBLL1 (1.9)	HARBI1 (1.9)
TRNP1 (2.5)	PPIP5K1 (2.3)	BRE (2.2)	PCSK7 (2.2)	IMMT (2.1)
DHODH (1.8)	BRE (1.7)	C1QTNF4 (1.7)	NRBF2 (1.7)	NAGS (1.6)
FUT2 (2.5)	IZUMO1 (2.4)	IFT172 (2.4)	C2orf16 (2.4)	KRTCAP3 (2.3)
IZUMO1 (2.4)	TSSK6 (2.4)	ENSG00000222035 (2	LRP4 (2.1)	ENSG00000253379 (2
GATAD2A (2.5)	PPM1G (2.4)	ATP13A1 (2.3)	FNBP4 (2.1)	EIF3J (2.1)
GCKR (2.7)	PLA2G6 (2.2)	TRNP1 (2.1)	SDC1 (2.0)	CCDC121 (1.9)
CASC4 (2.2)	DNAH10 (2.0)	PCSK7 (1.9)	PLA2G6 (1.9)	ENSG00000182319 (1
IMMT (2.8)	CAD (2.8)	PTCD3 (2.3)	DHX38 (2.2)	INTS10 (2.2)
ARID1A (2.2)	CITED2 (2.1)	NOP58 (2.1)	DR1 (2.0)	PCIF1 (2.0)
ARHGAP1 (2.1)	HAPLN4 (2.1)	MAPRE3 (2.0)	ENSG00000234945 (2	ZNF335 (1.9)
NUP160 (2.4)	SUGP1 (2.3)	ARFGAP2 (2.2)	PPM1G (2.2)	TOMM40 (2.2)
ABCA1 (2.1)	MAMSTR (2.0)	BRE (1.9)	KANK2 (1.8)	C2orf16 (1.7)
PCSK7 (2.3)	SNX17 (2.1)	USP1 (2.1)	MRPL33 (2.0)	IGF2R (2.0)
NDUFS3 (3.0)	MRPL35 (2.7)	ARFGAP2 (2.7)	SNX17 (2.6)	PREB (2.4)
EIF2B4 (3.3)	SNX17 (3.0)	MRPL35 (2.9)	ARFGAP2 (2.7)	IMMT (2.5)
GPN2 (3.2)	GPN1 (3.0)	MFAP1 (3.0)	ZNF408 (3.0)	EIF3J (3.0)
NSMAF (2.3)	SUPT7L (2.2)	ATG13 (2.1)	ENSG00000257711 (2	UBXN2B (2.1)
NSMAF (2.3)	SUPT7L (2.2)	ATG13 (2.1)	ENSG00000257711 (2	UBXN2B (2.1)
NSMAF (2.3)	SUPT7L (2.2)	ATG13 (2.1)	ENSG00000257711 (2	UBXN2B (2.1)
TXNL4B (2.9)	KBTBD4 (2.5)	MRPL33 (2.4)	MFAP1 (2.4)	BUD13 (2.3)
NRBF2 (2.0)	RSPO3 (2.0)	MTMR9 (1.9)	NEIL2 (1.9)	ZNF513 (1.8)
ZNF259 (2.9)	CAD (2.7)	POLR1A (2.7)	RIC8B (2.6)	GPN1 (2.5)
PIGV (2.3)	PBX4 (2.2)	ENSG00000200241 (2	TECTB (1.9)	ENSG00000223522 (1
ZNF512 (2.5)	BCAM (2.4)	C1QTNF4 (2.2)	NCAN (2.1)	PPIP5K1 (2.0)
GMIP (2.1)	ZDHHC18 (2.1)	NR1H3 (2.1)	HAVCR1 (1.6)	ZNF408 (1.6)
GPN2 (2.7)	GPN1 (2.6)	PREB (2.5)	NUP160 (2.3)	POLR1A (2.3)
PTCD3 (2.4)	SUGP1 (2.1)	TMEM101 (2.1)	DOCK7 (1.9)	NSMAF (1.9)
PAFAH1B2 (2.1)	CCDC92 (2.0)	TSSK6 (2.0)	C2orf16 (1.9)	STRC (1.9)
C1QTNF4 (2.6)	RIC8B (2.4)	DNAH10 (2.1)	ENSG00000254235 (2	HARBI1 (2.0)
SOST (3.9)	LRP4 (3.5)	EMILIN1 (2.8)	CILP2 (2.5)	FUT2 (2.3)
TBL2 (3.2)	MPV17 (3.1)	C2orf28 (2.9)	SPG11 (2.9)	PTPMT1 (2.8)
HARBI1 (1.8)	MPP3 (1.8)	NSMAF (1.7)	PREB (1.6)	ZNF664 (1.6)
FUT1 (3.1)	FGF21 (3.1)	TBL2 (2.8)	FADS1 (2.8)	ENSG00000236827 (2
ENSG00000223522 (2	CETP (2.4)	SLC22A3 (2.2)	NRBF2 (2.1)	ATG4C (2.0)
SNX17 (3.5)	PDIA3 (3.2)	NRBP1 (3.1)	CHMP3 (3.1)	CLPTM1 (3.0)
GPN1 (2.6)	LSM12 (2.5)	POLR1A (2.5)	FNBP4 (2.5)	EIF2B4 (2.2)
PVRL2 (3.1)	CBLC (2.9)	C1orf172 (2.7)	KRTCAP3 (2.5)	TAGLN (2.2)
PBX4 (2.6)	DDB2 (2.5)	BLK (2.3)	ZDHHC18 (2.2)	MFAP1 (2.1)
FADS1 (2.2)	LPAL2 (2.1)	PCIF1 (2.0)	GATAD2A (1.8)	ENSG00000236267 (1
ENSG00000236827 (2	C17orf105 (2.3)	C2orf53 (2.2)	SIDT2 (2.2)	MADD (2.2)
ENSG00000236827 (2	C17orf105 (2.3)	C2orf53 (2.2)	SIDT2 (2.2)	MADD (2.2)
C2orf53 (2.5)	TM6SF2 (2.4)	HAPLN4 (2.2)	RBKS (2.1)	APOA4 (2.1)
ZNF259 (2.1)	MRPL33 (2.0)	FNBP4 (1.9)	GATAD2A (1.8)	ENSG00000236267 (1
TBL2 (2.8)	TOMM40 (2.6)	PLTP (2.3)	CITED2 (2.1)	GPN2 (2.1)
PMFBP1 (2.4)	MAMSTR (2.4)	RSPO3 (2.2)	DNAJC5G (1.9)	G6PC3 (1.7)

BCL7B (2.0)	COBLL1 (2.0)	TMEM175 (1.9)	JMJD1C (1.9)	SUMO1 (1.9)
MRPL35 (2.8)	NFE2L3 (2.5)	GPN2 (2.1)	MTF2 (2.0)	MRPL33 (1.9)
MAPRE3 (2.8)	MPP2 (2.7)	FADS1 (2.5)	ENSG00000182329 (2	RIC8B (2.2)
ENSG00000257711 (1	NRBF2 (1.9)	NEIL2 (1.9)	TRIB1 (1.8)	BCL3 (1.8)
ARID1A (2.3)	AFF1 (2.3)	JMJD1C (2.3)	SUMO1 (2.2)	USP1 (1.9)
VEGFA (2.1)	TMED5 (2.1)	DR1 (2.0)	MAMSTR (1.9)	ENSG00000182329 (1
ACP2 (2.5)	MADD (2.3)	ATP13A1 (2.2)	NCAN (2.1)	TBL2 (2.0)
GCKR (1.7)	PMFBP1 (1.7)	CYP26A1 (1.7)	DPYSL5 (1.6)	TXNL4B (1.6)
HP (2.3)	DNAH10 (2.2)	SFN (1.8)	ABCA1 (1.8)	ENSG00000223522 (1
MTF2 (2.7)	ZNF335 (2.7)	BAZ1B (2.6)	ZNF513 (2.5)	KDM3A (2.4)
NCAN (2.5)	ENSG00000254235 (2	LRP4 (2.4)	CTSB (2.1)	FADS1 (1.8)
NFE2L3 (3.4)	ARFGAP2 (3.1)	SNX17 (2.7)	MRPL35 (2.6)	PREB (2.2)
GPN2 (2.4)	MTMR9 (2.4)	NUP160 (2.3)	MRPL33 (2.2)	MTCH2 (2.2)
TRIB1 (2.3)	NRBF2 (2.1)	ENSG00000226645 (2	DR1 (2.0)	ENSG00000257711 (1
ATG4C (2.9)	G6PC3 (2.6)	FDFT1 (2.4)	C2orf28 (2.2)	TBL2 (2.2)
ATG13 (3.1)	ZNF408 (2.9)	IFT172 (2.8)	ATP13A1 (2.8)	ARHGAP1 (2.7)
GPAM (3.3)	MLXIPL (2.7)	PTPMT1 (2.5)	ENSG00000256746 (2	ENSG00000223522 (2
GPAM (3.3)	MLXIPL (2.7)	PTPMT1 (2.5)	ENSG00000256746 (2	ENSG00000223522 (2
C1orf172 (2.5)	KRTCAP3 (2.1)	PMFBP1 (1.9)	CBLC (1.8)	PIGV (1.8)
ZNF259 (2.3)	ZNF664 (2.2)	PPIP5K1 (2.1)	SUGP1 (2.1)	ATG4C (2.1)
PCSK7 (2.1)	DHODH (2.0)	UBXN2B (1.9)	FRMD5 (1.9)	LPAL2 (1.8)
BCL7B (2.5)	CHMP3 (2.4)	NRBP1 (2.4)	DR1 (2.3)	CLPTM1 (2.3)
TMEM214 (3.1)	CAD (2.7)	INTS10 (2.4)	TMED5 (2.1)	PREB (2.1)
UCN (1.9)	C1QTNF4 (1.8)	SLC22A3 (1.7)	DPYSL5 (1.5)	TSSK6 (1.4)
LRP4 (2.3)	RSPO3 (2.2)	ENSG00000223522 (1	FUT2 (1.9)	ENSG00000253379 (1
DNAJC5G (3.2)	TSSK6 (2.7)	ABHD1 (2.7)	IZUMO1 (2.2)	BCAM (2.0)
SFN (2.1)	C17orf105 (2.0)	ENSG00000234945 (1	PTPN13 (1.9)	ZNF664 (1.8)
TOMM40 (2.5)	ARFGAP2 (2.3)	CCDC92 (2.3)	MRPL35 (2.1)	PTCD3 (2.1)
CGREF1 (2.9)	MPP2 (2.4)	DPYSL5 (2.2)	ENSG00000226645 (2	SIDT2 (2.0)
BNC2 (2.3)	PTPN13 (2.2)	TMEM101 (2.1)	CILP2 (2.0)	SDC1 (2.0)
C1QTNF4 (1.8)	CCDC121 (1.8)	MAPK10 (1.7)	NCAN (1.5)	ATG4C (1.4)
ENSG00000256731 (2	SPG11 (2.4)	FNDC4 (2.1)	TRNP1 (2.0)	DOCK7 (2.0)
BCL3 (2.6)	PTCD3 (2.0)	PDIA3 (1.9)	GPN1 (1.9)	CLPTM1 (1.8)
ARID1A (2.1)	DNAJC5G (2.1)	LSM12 (2.1)	MTMR9 (2.0)	BUD13 (2.0)
ENSG00000226645 (2	TOMM40 (2.5)	GPN2 (2.3)	NUP160 (2.2)	ENSG00000223745 (2
TSSK6 (2.2)	ENSG00000234945 (1	PTPN13 (1.8)	FNDC4 (1.7)	MAPK10 (1.7)
MAP1A (2.5)	SLC22A3 (2.4)	BCAM (2.3)	REEP1 (2.2)	KLF14 (2.1)
PAFAH1B2 (2.2)	TP53BP1 (2.1)	ARFGAP2 (2.0)	C8orf49 (2.0)	ZNF335 (2.0)
PBX4 (2.5)	FAM167A (2.5)	ENSG00000256731 (2	NCAN (2.4)	TP53BP1 (2.1)
SUMO1 (2.4)	FNDC4 (2.4)	REEP3 (2.4)	CKAP5 (2.3)	PBX4 (2.3)
C1QTNF4 (2.7)	LRP4 (2.4)	GPAM (2.3)	FNDC4 (2.2)	BNC2 (2.1)
C1QTNF4 (2.7)	ENSG00000182329 (2	RIC8B (2.1)	MAPK10 (1.9)	GPAM (1.9)
DNAH10 (2.5)	SUGP1 (2.4)	PTCD3 (2.1)	CCDC18 (2.1)	IFT172 (1.7)
DNAH10 (2.5)	SUGP1 (2.4)	PTCD3 (2.1)	CCDC18 (2.1)	IFT172 (1.7)
EIF3J (2.7)	PPM1G (2.7)	POLR1A (2.6)	DHX38 (2.5)	NOP58 (2.4)
BCL7B (2.7)	NRBP1 (2.7)	C8orf12 (2.6)	MAFF (2.3)	SNX17 (2.0)
MAPK10 (2.2)	BNC2 (2.2)	CCDC92 (2.1)	ENSG00000182329 (1	STRC (1.8)
AGBL5 (2.7)	G6PC3 (2.4)	HAVCR1 (2.3)	CILP2 (2.3)	FZD9 (2.3)
INTS10 (2.5)	MFAP1 (2.4)	DDB2 (2.4)	MAU2 (2.3)	ANGPTL4 (2.2)
DDB2 (2.1)	HAVCR1 (2.1)	NR1H3 (1.9)	GMIP (1.9)	ACP2 (1.8)

ENSG00000223745 (2	APOA4 (2.2)	PPIP5K1 (2.1)	C1QTNF4 (2.1)	TM6SF2 (2.0)
C1orf172 (2.2)	NSMAF (2.2)	FNDC4 (1.9)	AGBL5 (1.9)	DOCK6 (1.8)
C8orf49 (2.4)	LRP4 (2.3)	GATA4 (2.2)	LPAR2 (2.0)	C11orf9 (1.9)
IZUMO1 (2.4)	ATP13A1 (1.9)	ENSG00000222035 (1	PIGV (1.7)	HAVCR1 (1.7)
RIC8B (2.1)	RBKS (2.1)	PBX4 (2.0)	DUSP3 (1.9)	TBL2 (1.9)
RIC8B (2.1)	RBKS (2.1)	PBX4 (2.0)	DUSP3 (1.9)	TBL2 (1.9)
ENSG00000257711 (2	CD300LG (2.1)	GMIP (2.1)	SLC22A3 (2.0)	GPAM (2.0)
ARHGAP1 (2.4)	C11orf9 (2.3)	ZDHHC18 (2.2)	IGF2R (2.2)	ENSG00000182319 (2
PCIF1 (2.6)	SUGP1 (2.5)	ENSG00000179523 (2	GPN2 (2.4)	ENSG00000257711 (2
MAP1A (2.7)	MPP2 (2.4)	DDB2 (2.3)	EPB41L3 (2.2)	ENSG00000182319 (2
FZD9 (2.7)	RFX4 (2.3)	KDM3A (2.1)	ENSG00000257711 (2	CITED2 (2.0)
C2orf28 (3.1)	MYBPC3 (2.4)	MRPL35 (2.2)	MTCH2 (2.0)	MPV17 (2.0)
TP53BP1 (2.9)	RFX4 (2.4)	MADD (2.4)	SIDT2 (2.3)	PVRL2 (2.3)
ENSG00000254235 (2	MAPK10 (2.5)	BNC2 (2.4)	PYY (2.2)	ENSG00000236827 (2
TRIM54 (2.7)	KLF14 (2.6)	REEP1 (2.6)	ENSG00000223522 (2	ENSG00000222035 (2
EIF3J (3.1)	NEIL2 (2.9)	NOP58 (2.9)	PTCD3 (2.9)	GPN2 (2.8)
PVRL2 (2.6)	PTPRJ (2.6)	GMIP (2.6)	TRNP1 (2.4)	NRBP1 (2.1)
IMMT (3.1)	MRPL35 (3.1)	TP53BP1 (3.0)	CAD (3.0)	EIF2B4 (2.9)
CTDSPL2 (2.6)	CAD (2.5)	INTS10 (2.4)	PTCD3 (2.4)	ENSG00000235545 (2
C8orf12 (2.5)	NCAN (2.3)	SLC30A3 (2.1)	RFX4 (2.1)	C2orf53 (1.9)
MPP3 (1.8)	ENSG00000200241 (1	ZNF664 (1.7)	NSMAF (1.7)	ENSG00000255020 (1
KBTBD4 (2.2)	CYP7A1 (2.1)	FUT1 (2.1)	C11orf9 (2.0)	MTCH2 (2.0)
OST4 (4.5)	MTCH2 (4.1)	IMMT (3.8)	C2orf28 (2.9)	PTPMT1 (2.8)
KLF14 (2.6)	RSPO3 (2.2)	MAMSTR (1.9)	CILP2 (1.7)	ENSG00000234945 (1
ARHGAP1 (2.4)	DOCK7 (2.3)	FUT2 (2.3)	SOST (2.2)	APOA4 (2.2)
MAFF (2.1)	GMIP (1.8)	NEIL2 (1.8)	DR1 (1.8)	LPAR2 (1.7)
JMJD1C (2.7)	LPAR2 (2.5)	BRE (2.5)	CLPTM1 (2.4)	ZNF513 (2.2)
DOCK6 (1.9)	IMMT (1.8)	GATAD2A (1.7)	BAZ1B (1.7)	AFF1 (1.5)
DR1 (1.8)	HAVCR1 (1.8)	PCSK7 (1.8)	ENSG00000222035 (1	ENSG00000223745 (1
RIC8B (1.7)	CMIP (1.7)	EPB41L3 (1.7)	CITED2 (1.6)	MADD (1.6)
ENSG00000234945 (2	DNAJC5G (2.1)	DNAH10 (2.0)	ENSG00000179523 (2	LRP4 (1.9)
PBX4 (1.8)	ZDHHC18 (1.7)	C8orf12 (1.6)	C2orf16 (1.6)	ENSG00000255020 (1
RSPO3 (2.2)	APOA4 (2.1)	FUT1 (2.1)	ENSG00000257711 (2	TECTB (2.0)
TRIM54 (2.8)	C11orf49 (2.1)	IZUMO1 (2.1)	FZD9 (1.9)	DUSP3 (1.8)
TRIM54 (2.8)	C11orf49 (2.1)	IZUMO1 (2.1)	FZD9 (1.9)	DUSP3 (1.8)
TRIB1 (2.2)	MAFF (2.2)	DR1 (2.1)	ENSG00000226645 (2	JMJD1C (1.7)
TECTB (1.9)	MTMR9 (1.9)	FNDC4 (1.8)	DPYSL5 (1.7)	FGF21 (1.7)
ZNF408 (2.4)	NCAN (2.3)	ATG13 (2.2)	ENSG00000255020 (2	PYY (2.1)
GPN2 (2.4)	ZNF335 (2.3)	GPN1 (2.3)	TXNL4B (2.2)	MFAP1 (2.2)
GPN2 (2.4)	ZNF335 (2.3)	GPN1 (2.3)	TXNL4B (2.2)	MFAP1 (2.2)
MTMR9 (2.3)	CELF1 (2.2)	FNBP4 (2.1)	FEN1 (2.1)	TOMM40 (2.0)
SNX17 (2.7)	PPM1G (2.7)	BRE (2.6)	GPN1 (2.6)	PCIF1 (2.3)
TRNP1 (2.5)	ABO (2.1)	C11orf9 (1.9)	SIDT2 (1.9)	C1orf172 (1.7)
ENSG00000253379 (2	CILP2 (2.3)	DPYSL5 (2.2)	EMILIN1 (2.2)	FZD9 (2.2)
C2orf16 (2.0)	SUPT7L (1.8)	CILP2 (1.7)	FAM167A (1.6)	UCN (1.5)
PPIP5K1 (2.1)	PLA2G6 (2.1)	SUPT7L (2.0)	FADS2 (2.0)	FADS1 (2.0)
MPP3 (2.8)	CSGALNACT1 (2.8)	CMIP (2.6)	SDCBP (2.6)	GATAD2A (2.4)
PMFBP1 (3.7)	ENSG00000234945 (3	DNAJC5G (2.5)	IZUMO1 (2.1)	C2orf16 (2.1)
BRE (3.5)	CKAP5 (3.4)	CCDC18 (3.1)	SPG11 (3.1)	PPIP5K1 (3.1)
IZUMO1 (4.5)	PMFBP1 (4.1)	AGBL2 (3.6)	ENSG00000234945 (3	C2orf16 (2.5)

ENSG00000223522 (2	FNBP4 (2.6)	C8orf12 (2.6)	SPG11 (2.5)	CASC4 (2.4)
ARHGAP1 (3.2)	TBL2 (2.9)	NDUFS3 (2.8)	HARBI1 (2.8)	CGREF1 (2.6)
TRNP1 (2.3)	STRC (2.2)	AGBL2 (2.0)	FGF21 (1.9)	APOE (1.8)
BCL7B (1.9)	TRNP1 (1.8)	ZDHHC18 (1.8)	STRC (1.7)	CSGALNACT1 (1.7)
GPN2 (2.5)	SDCBP (2.4)	PCIF1 (2.2)	ZDHHC18 (2.2)	CTDSPL2 (2.1)
MTF2 (2.6)	DR1 (2.6)	LSM12 (2.4)	ZNF512 (2.3)	ZNF335 (2.3)
CD300LG (2.4)	C11orf9 (2.4)	SLC22A3 (2.3)	ABO (2.3)	MAP1A (1.6)
SUPT7L (2.4)	ENSG00000223522 (2	PIGV (2.0)	KRTCAP3 (1.9)	NSMAF (1.8)
USP1 (2.3)	IGF2R (2.2)	CASC4 (2.1)	SNX17 (2.1)	BAZ1B (2.1)
DDB2 (2.1)	ENSG00000226645 (2	ENSG00000255020 (1	BLK (1.8)	ENSG00000234945 (1
CD300LG (1.6)	IFT172 (1.6)	KLF14 (1.5)	DOCK7 (1.4)	PPIP5K1 (1.4)
JMJD1C (2.5)	SOST (2.2)	BAZ1B (2.1)	CTDSPL2 (2.1)	BUD13 (2.0)
ZDHHC18 (1.7)	SIK3 (1.6)	BLK (1.5)	TIMD4 (1.5)	DNAH10 (1.4)
C17orf105 (1.8)	DHODH (1.8)	COBLL1 (1.8)	ENSG00000255020 (1	ENSG00000236267 (1
CELF1 (2.7)	ZNF335 (2.6)	LSM12 (2.5)	POLR1A (2.5)	DHX38 (2.3)
ENSG00000223745 (2	ZNF512 (2.6)	C17orf105 (2.6)	ENSG00000235545 (2	NEIL2 (2.5)
TECTB (1.8)	CSGALNACT1 (1.6)	C8orf12 (1.6)	C17orf105 (1.5)	ENSG00000257711 (1
OST4 (4.4)	IMMT (4.2)	MTCH2 (4.0)	C2orf28 (2.8)	PTPMT1 (2.7)
UCN (2.1)	DPYSL5 (1.9)	SUMO1 (1.7)	FNBP4 (1.7)	ABCA1 (1.6)
MTMR9 (2.3)	BMPR2 (2.2)	FUT1 (2.2)	SLC30A3 (2.2)	KLF14 (1.9)
NEIL2 (2.1)	KRTCAP3 (1.9)	PBX4 (1.8)	CITED2 (1.7)	DOCK7 (1.7)
FADS1 (2.3)	COBLL1 (2.2)	DUSP3 (2.1)	MLXIPL (2.0)	ENSG00000257711 (1
DUSP3 (2.2)	PGS1 (2.1)	TMEM101 (2.0)	IZUMO1 (2.0)	SDCBP (1.8)
DUSP3 (2.2)	PGS1 (2.1)	TMEM101 (2.0)	IZUMO1 (2.0)	SDCBP (1.8)
OST4 (4.4)	MTCH2 (3.8)	IMMT (3.7)	PTPMT1 (2.7)	C2orf28 (2.7)
FGF21 (2.3)	CD300LG (2.2)	GATAD2A (2.0)	DUSP3 (2.0)	SDCBP (2.0)
FZD9 (3.1)	MAPRE3 (3.0)	SLC30A3 (2.9)	SIK3 (2.9)	TRNP1 (2.9)
PVRL2 (1.8)	SLC22A1 (1.7)	APOE (1.7)	TP53BP1 (1.6)	CATSPER2 (1.6)
CMIP (2.2)	AFF1 (2.1)	SIDT2 (1.9)	PTPRJ (1.9)	ATG13 (1.8)
LRP4 (2.3)	NFE2L3 (2.3)	BCAM (2.2)	ENSG00000254235 (2	TMEM214 (2.1)
REEP1 (2.8)	KANK2 (2.6)	IGF2R (2.0)	FZD9 (1.9)	TAGLN (1.8)
ENSG00000223745 (2	C11orf49 (2.0)	CHMP3 (1.8)	TUBGCP4 (1.6)	ENSG00000236827 (1
TAGLN (2.2)	ENSG00000179523 (2	REEP1 (2.0)	ENSG00000223745 (1	ABHD1 (1.8)
C2orf53 (2.4)	ENSG00000236267 (2	LPAR2 (2.1)	ENSG00000256746 (2	RSPO3 (2.1)
C17orf105 (2.8)	STRC (2.5)	FUT2 (2.4)	SUMO1 (2.3)	C2orf53 (2.2)
JMJD1C (2.2)	NCAN (2.1)	ENSG00000182319 (1	LPAR2 (1.8)	C2orf16 (1.8)
SUGP1 (2.4)	MTMR9 (2.3)	CAD (2.3)	FGF21 (2.2)	SPG11 (2.1)
MTMR9 (1.9)	AFF1 (1.9)	PTPRJ (1.9)	STRC (1.8)	BMPR2 (1.7)
ABO (2.5)	C1orf172 (2.0)	C11orf9 (1.7)	TMEM101 (1.7)	DNAJC5G (1.7)
C1orf172 (2.2)	NEIL2 (2.0)	FRMD5 (1.9)	TSSK6 (1.7)	ENSG00000223745 (1
CASC4 (2.1)	DNAH10 (2.1)	ABHD1 (2.0)	TMED5 (1.9)	TBL2 (1.7)
MAPRE3 (2.3)	TUBGCP4 (2.2)	ARFGAP2 (2.0)	TP53BP1 (1.9)	NRBP1 (1.8)
KRTCAP3 (2.5)	HP (2.3)	CASC4 (2.3)	ENSG00000255020 (2	C8orf12 (2.2)
EIF2B4 (3.0)	NFE2L3 (2.8)	WDR76 (2.8)	DDB2 (2.4)	MRPL35 (2.3)
NAT2 (2.4)	C2orf16 (2.3)	DNAH10 (2.2)	PMFBP1 (2.1)	C2orf53 (2.0)
C1orf172 (2.2)	LRP4 (2.1)	HAVCR1 (2.1)	IZUMO1 (2.0)	ENSG00000236827 (1
PACSIN3 (3.8)	SFN (3.6)	TAGLN (3.3)	DUSP3 (2.8)	REEP1 (2.6)
AFF1 (2.1)	ENSG00000236827 (1	MAPK10 (1.8)	RIC8B (1.7)	PTPN13 (1.7)
CLPTM1 (2.7)	FUT2 (2.1)	SLC22A1 (2.0)	TM6SF2 (1.8)	SOST (1.8)
G6PC3 (1.8)	PAFAH1B2 (1.8)	MAMSTR (1.8)	BCAM (1.6)	CLPTM1 (1.4)

IFT172 (3.1)	INTS10 (2.8)	AGBL2 (2.4)	SPG11 (2.3)	WDR76 (2.2)
MPP2 (2.2)	EPB41L3 (2.2)	MPP3 (2.1)	MAPK10 (2.0)	TRNP1 (1.9)
MADD (2.3)	EPB41L3 (2.2)	MPP2 (2.2)	NRBP1 (2.1)	CMIP (2.1)
CLPTM1 (2.7)	SLC30A3 (2.4)	CGREF1 (2.1)	MAMSTR (2.0)	ENSG00000257711 (2
CLPTM1 (2.7)	SLC30A3 (2.4)	CGREF1 (2.1)	MAMSTR (2.0)	ENSG00000257711 (2
SUGP1 (1.9)	TOMM40 (1.9)	AGBL2 (1.7)	EIF3J (1.6)	GALNT2 (1.5)
CETP (2.4)	ENSG00000235545 (2	HGFAC (1.7)	VEGFA (1.6)	COBLL1 (1.6)
C17orf105 (1.9)	ZNF513 (1.7)	UBXN2B (1.7)	C1orf172 (1.6)	NRBF2 (1.6)
CLPTM1 (2.5)	DNAJC5G (2.2)	TXNL4B (2.2)	C17orf105 (2.2)	CCDC92 (2.1)
PTPRJ (2.3)	LRP4 (2.2)	PVRL2 (2.2)	FNDC4 (2.1)	LPAL2 (2.1)
C2orf53 (1.7)	FUT1 (1.7)	NRBP1 (1.6)	PCSK7 (1.3)	TDH (1.3)
DR1 (1.9)	PGS1 (1.8)	AGBL2 (1.8)	CATSPER2 (1.7)	C11orf9 (1.7)
TBL2 (3.7)	MFAP1 (3.5)	EIF3J (2.8)	TP53BP1 (2.6)	CGREF1 (2.5)
DNAJC5G (2.3)	CASC4 (2.0)	MRPL35 (2.0)	CKAP5 (1.9)	TXNL4B (1.9)
KDM3A (2.9)	WDR76 (2.7)	CITED2 (2.3)	CHMP3 (2.0)	TUBGCP4 (1.9)
MAP1A (2.5)	VEGFA (2.3)	C11orf49 (2.3)	NCAN (2.3)	MPP2 (2.2)
LSM12 (2.3)	ZNF664 (2.2)	CELF1 (2.2)	EIF3J (2.1)	NRBP1 (2.1)
CYP7A1 (2.9)	ENSG00000179523 (2	NAT2 (2.2)	ZNF408 (2.1)	ENSG00000236267 (1
OST4 (4.1)	MTCH2 (3.8)	IMMT (3.7)	C2orf28 (3.1)	PTPMT1 (3.0)
RSPO3 (2.1)	SIK3 (2.0)	HDAC5 (1.9)	ZNF664 (1.9)	TOMM40 (1.8)
ENSG00000182319 (2	CHMP3 (2.2)	PTPRJ (2.1)	C1QTNF4 (2.0)	PCIF1 (1.9)
CETP (2.6)	MPP3 (2.3)	PAFAH1B2 (2.1)	FUT1 (2.1)	REEP3 (2.1)
GPN2 (2.3)	PTPMT1 (2.2)	TMEM101 (2.1)	CASC4 (2.1)	ABO (2.0)
TP53BP1 (2.9)	JMJD1C (2.7)	ENSG00000179523 (2	POLR1A (2.2)	ABCA1 (2.2)
PCIF1 (2.9)	ARFGAP2 (2.9)	KBTBD4 (2.7)	CITED2 (2.7)	IFT172 (2.4)
AFF1 (2.4)	GPAM (2.4)	RIC8B (2.4)	NSMAF (2.1)	REEP1 (2.0)
TECTB (2.6)	APOC1 (2.5)	MAP1A (2.1)	TRNP1 (2.1)	PLA2G6 (2.0)
MPP2 (2.5)	MYBPC3 (2.3)	MAPRE3 (2.3)	EPB41L3 (2.3)	HAPLN4 (2.2)
CELF1 (2.7)	CCDC121 (2.6)	BUD13 (2.1)	NOP58 (2.0)	C11orf49 (1.9)
GPN1 (2.2)	CCDC121 (2.1)	PACSIN3 (2.0)	ENSG00000235545 (2	ENSG00000223522 (1
TOMM40 (3.2)	DHODH (3.1)	GPN2 (3.1)	EIF3J (2.8)	GPN1 (2.6)
CAD (2.5)	MAU2 (2.3)	WDR76 (2.1)	RIC8B (2.1)	DR1 (2.1)
MYBPC3 (2.7)	PVRL2 (2.6)	DUSP3 (2.6)	GATAD2A (2.3)	ARHGAP1 (2.3)
CASC4 (1.8)	AGBL2 (1.8)	ZDHHC18 (1.8)	NFE2L3 (1.7)	KRTCAP3 (1.7)
C2orf28 (3.3)	ENSG00000182329 (3	SUPT7L (2.8)	MRPL35 (2.3)	ENSG00000200241 (2
NSMAF (2.1)	CAD (2.0)	NRBF2 (2.0)	ENSG00000200241 (1	ENSG00000179523 (1
GMIP (2.2)	ENSG00000182319 (1	DDB2 (1.8)	PTPRJ (1.8)	TRIB1 (1.7)
CCDC121 (2.4)	PTPN13 (2.3)	ENSG00000223522 (2	ABHD1 (2.0)	CYP26A1 (2.0)
KDM3A (1.9)	BAZ1B (1.6)	PCSK7 (1.5)	ZNF335 (1.5)	ENSG00000222035 (1
VEGFA (2.4)	BNC2 (2.1)	DPYSL5 (2.0)	ARID1A (1.9)	GATA4 (1.8)
IZUMO1 (2.1)	ENSG00000222035 (2	ENSG00000235545 (1	SIK3 (1.9)	AFF1 (1.9)
PMFBP1 (2.1)	MAPRE3 (2.0)	NSMAF (1.8)	ENSG00000256731 (1	ARHGAP1 (1.6)
SPG11 (2.3)	TUBGCP4 (2.3)	MADD (2.2)	FGF21 (2.1)	SUMO1 (2.1)
SOST (2.5)	CTDSPL2 (2.1)	PTPN13 (1.9)	SIK3 (1.9)	C17orf105 (1.8)
ZNF335 (2.3)	ENSG00000182319 (2	BMPR2 (2.1)	CMIP (2.0)	SIDT2 (1.8)
IMMT (4.1)	MTCH2 (3.9)	OST4 (3.3)	PTPMT1 (3.1)	C2orf28 (2.8)
PTPRJ (2.0)	PGS1 (1.8)	MTMR9 (1.7)	C2orf16 (1.7)	BCL3 (1.7)
TP53BP1 (2.1)	EIF3J (1.8)	NOP58 (1.7)	CHMP3 (1.7)	CYP26A1 (1.7)
EIF2B4 (2.7)	ENSG00000255020 (2	C2orf28 (2.2)	TOMM40 (2.1)	MRPL35 (2.0)
NAGS (2.3)	KRTCAP3 (2.2)	ENSG00000235545 (2	ENSG00000200241 (2	APOA4 (1.9)

EIF2B4 (3.3)	NOP58 (3.2)	ATP13A1 (2.8)	ZNF335 (2.8)	PPM1G (2.8)
CKAP5 (2.5)	WDR76 (2.5)	PPM1G (2.5)	UCN (2.3)	MTF2 (2.2)
PGS1 (1.6)	SUPT7L (1.6)	GTF3C2 (1.6)	GALNT2 (1.6)	KDM3A (1.6)
RIC8B (2.4)	IMMT (2.3)	CCDC121 (2.1)	RFX4 (2.0)	ATP13A1 (1.9)
PTPN13 (2.2)	C2orf16 (2.0)	FUT2 (1.8)	ENSG00000234945 (1	ABO (1.7)
MTF2 (2.9)	FEN1 (2.8)	NUP160 (2.3)	BUD13 (2.1)	FDFT1 (2.0)
MTF2 (2.9)	FEN1 (2.8)	NUP160 (2.3)	BUD13 (2.1)	FDFT1 (2.0)
ZNF513 (2.5)	LINC00208 (2.3)	ZDHHC18 (2.2)	TIMD4 (2.1)	FGF21 (2.0)
SNX17 (2.7)	ZNF335 (2.6)	HDAC5 (2.4)	SUPT7L (2.4)	NDUFS3 (2.3)
WDR76 (2.3)	NRBF2 (2.3)	RIC8B (2.2)	GATAD2A (2.0)	NRBP1 (1.8)
BCL7B (2.8)	LSM12 (2.8)	KBTBD4 (2.8)	BUD13 (2.8)	ZNF335 (2.6)
FAM167A (2.0)	ENSG00000223745 (2	BCL3 (1.9)	AGBL2 (1.8)	MPP3 (1.7)
TOMM40 (3.2)	PPM1G (2.8)	EIF3J (2.8)	SDCBP (2.6)	CAD (2.6)
RSPO3 (2.1)	CCDC121 (2.0)	ENSG00000236827 (1	PTPN13 (1.9)	BMPR2 (1.8)
BNC2 (2.3)	KANK2 (2.1)	ABCA1 (2.0)	PYY (1.9)	FZD9 (1.8)
C8orf12 (2.3)	LSM12 (2.1)	NEIL2 (2.1)	ENSG00000256731 (2	MTCH2 (2.0)
IZUMO1 (2.9)	PMFBP1 (2.1)	NRBF2 (2.0)	TBL2 (2.0)	RASIP1 (1.9)
NDUFS3 (2.8)	EIF2B4 (2.7)	SNX17 (2.4)	ARFGAP2 (2.3)	PREB (2.0)
PCIF1 (2.5)	BCL7B (2.5)	ZNF664 (2.5)	CTDSPL2 (2.3)	ARID1A (2.3)
ENSG00000256731 (3	ENSG00000222035 (3	ENSG00000200241 (2	LSM12 (2.3)	KLF14 (2.2)
MRPL33 (2.5)	SUGP1 (2.5)	NRBF2 (2.3)	SPG11 (2.1)	MTF2 (2.1)
NOP58 (1.7)	CGREF1 (1.5)	GATAD2A (1.5)	ATP13A1 (1.4)	FNBP4 (1.4)
CCDC121 (2.3)	TDH (1.9)	ENSG00000179523 (1	PTPN13 (1.9)	ENSG00000255020 (1
NRBP1 (2.8)	CLPTM1 (2.8)	HDAC5 (2.6)	TOMM40 (2.6)	SIK3 (2.5)
CCDC92 (1.9)	GMIP (1.9)	SFN (1.8)	BCAM (1.8)	ZDHHC18 (1.7)
MTF2 (3.8)	DDB2 (3.0)	NUP160 (2.9)	CTDSPL2 (2.7)	BAZ1B (2.7)
CHMP3 (2.5)	CCDC92 (2.4)	BRE (2.4)	ARHGAP1 (2.2)	MAPRE3 (2.1)
ENSG00000226645 (2	MPP3 (1.9)	ENSG00000236827 (1	STRC (1.8)	CELF1 (1.8)
EIF2B4 (2.7)	NUP160 (2.6)	ZNF259 (2.5)	POLR1A (2.5)	CAD (2.5)
CYP7A1 (2.2)	TRIB1 (2.2)	BCL3 (2.1)	DR1 (2.0)	ZDHHC18 (1.8)
CMIP (2.2)	MADD (1.9)	GATAD2A (1.9)	CASC4 (1.8)	C11orf9 (1.7)
USP1 (2.3)	AFF1 (2.1)	MRPL33 (2.1)	DR1 (2.0)	PCSK7 (1.9)
ARFGAP2 (2.2)	ZNF408 (2.2)	NRBF2 (2.2)	MAU2 (2.0)	TSSK6 (2.0)
FZD9 (2.0)	FUT2 (1.9)	CYP26A1 (1.9)	DNAH10 (1.9)	NFE2L3 (1.8)
USP1 (2.2)	BMPR2 (2.2)	IFT172 (2.2)	KDM3A (2.1)	CHMP3 (2.0)
DPYSL5 (2.8)	REEP1 (2.8)	PPY (2.5)	FAM167A (2.4)	ZNF513 (2.4)
NRBP1 (1.7)	ACP2 (1.6)	IZUMO1 (1.6)	GALNT2 (1.5)	TIMD4 (1.4)
SIK3 (2.4)	ATG13 (2.3)	ARFGAP2 (2.3)	HARBI1 (2.0)	KDM3A (2.0)
C2orf53 (2.3)	KLF14 (2.3)	UCN (2.3)	FZD9 (2.2)	LRP4 (2.2)
CAD (2.9)	BUD13 (2.7)	GPN2 (2.7)	USP1 (2.6)	PPM1G (2.5)
ENSG00000222035 (2	PAFAH1B2 (2.4)	BCL7B (2.4)	ABO (2.1)	STRC (2.0)
TBL2 (3.2)	NRBP1 (3.1)	CGREF1 (2.8)	OST4 (2.8)	SNX17 (2.8)
MAPK10 (2.3)	DNAJC5G (2.3)	FUT1 (2.3)	MAP1A (2.2)	C2orf16 (1.9)
BAZ1B (2.8)	TP53BP1 (2.6)	NUP160 (2.6)	UCN (2.6)	HARBI1 (2.4)
ENSG00000255020 (2	CYP26A1 (2.4)	C11orf9 (2.4)	DNAJC5G (2.2)	NR0B2 (2.2)
FAM167A (2.6)	ENSG00000182319 (2	ZDHHC18 (2.4)	AFF1 (2.3)	C1orf172 (2.2)
ARHGAP1 (2.3)	HAVCR1 (2.2)	ABO (2.0)	TAGLN (1.9)	STRC (1.9)
USP1 (3.7)	CTDSPL2 (3.7)	NUP160 (3.6)	ZNF512 (3.2)	MTF2 (3.0)
GPN2 (2.6)	FNBP4 (2.3)	SUPT7L (2.2)	CAD (2.1)	SUGP1 (2.1)
PCIF1 (2.6)	CTDSPL2 (2.3)	CELF1 (2.3)	USP1 (2.1)	BAZ1B (2.1)

FUT1 (2.8)	SOST (2.6)	LRP4 (2.3)	PLTP (2.0)	HDAC5 (2.0)
MADD (2.6)	PYY (2.5)	CLPTM1 (2.4)	SLC30A3 (2.3)	HAPLN4 (2.3)
ENSG00000253379 (2	FRMD5 (2.2)	C1QTNF4 (1.9)	ENSG00000236827 (1	C17orf105 (1.9)
RASIP1 (2.7)	JMJD1C (2.5)	C1orf172 (2.4)	SIK3 (2.2)	CBLC (2.1)
BNC2 (1.9)	DNAJC5G (1.9)	MAPK10 (1.7)	C17orf105 (1.6)	ENSG00000256731 (1
REEP1 (2.4)	C8orf49 (2.3)	IGF2R (2.1)	KANK2 (2.1)	FZD9 (2.0)
NEIL2 (2.8)	SPG11 (2.6)	ZNF512 (2.6)	ENSG00000223745 (2	TUBGCP4 (2.6)
SUPT7L (1.9)	ZNF664 (1.8)	ARFGAP2 (1.8)	SNX17 (1.8)	GPN1 (1.8)
AGBL5 (2.0)	ENSG00000257711 (2	TMEM101 (1.9)	CASC4 (1.8)	FZD9 (1.7)
FNBP4 (2.4)	USP1 (2.3)	PPM1G (2.1)	PTCD3 (2.1)	ATP13A1 (2.0)
ENSG00000179523 (2	DHODH (2.1)	PTPMT1 (1.9)	FNDC4 (1.8)	C17orf105 (1.7)
DHX38 (3.0)	BRE (2.7)	JMJD1C (2.5)	REEP3 (2.3)	ZNF335 (2.1)
TXNL4B (2.2)	TMEM101 (2.2)	NOP58 (2.1)	TMEM214 (2.1)	G6PC3 (2.1)
KANK2 (1.7)	NRBP1 (1.7)	KLF14 (1.7)	CITED2 (1.7)	PTPRJ (1.6)
USP1 (3.6)	MTCH2 (3.0)	NUP160 (2.6)	NDUFS3 (2.6)	MTF2 (2.6)
DNAJC5G (2.4)	DNAH10 (2.4)	C1orf172 (2.3)	ENSG00000179523 (2	ENSG00000234945 (2
SPG11 (2.8)	MRPL35 (2.4)	IFT172 (2.2)	POLR1A (2.0)	PIGV (2.0)
ENSG00000226645 (2	EPB41L3 (2.1)	ENSG00000253379 (2	CCDC92 (2.0)	HAPLN4 (2.0)
MFAP1 (2.4)	ZNF259 (2.4)	ZNF408 (2.2)	SUPT7L (2.2)	EIF2B4 (2.2)
SLC5A6 (2.6)	MPV17 (2.6)	EIF2B4 (2.5)	MTMR9 (2.3)	GTF3C2 (2.2)
FUT2 (2.2)	ENSG00000257711 (2	SLC22A3 (2.1)	SOST (2.0)	ENSG00000253379 (2
AGBL2 (2.7)	PMFBP1 (2.7)	PLA2G6 (2.3)	IFT172 (1.9)	MTMR9 (1.9)
ARHGAP1 (2.6)	CBLC (2.2)	ZNF408 (2.2)	AMBRA1 (1.8)	STRC (1.6)
UCN (2.2)	PCIF1 (2.0)	OST4 (1.8)	BNC2 (1.7)	ENSG00000223745 (1
BAZ1B (2.2)	BUD13 (2.2)	AFF1 (2.0)	KDM3A (1.9)	KANK2 (1.8)
TM6SF2 (3.3)	NAT2 (2.4)	NR0B2 (2.0)	C8orf49 (2.0)	KLF14 (1.8)
SDCBP (2.2)	CMIP (2.2)	LSM12 (2.1)	NCAN (1.9)	DR1 (1.8)
C11orf49 (2.0)	CCDC121 (1.9)	ENSG00000255020 (1	PYY (1.7)	LPAR2 (1.7)
MPP2 (2.4)	REEP1 (2.1)	CILP2 (2.0)	ENSG00000256731 (1	STRC (1.9)
CELF1 (2.1)	LSM12 (2.1)	ARFGAP2 (2.1)	CATSPER2 (2.0)	LINC00208 (2.0)
BCAM (2.2)	RFX4 (2.2)	HAPLN4 (2.1)	NSMAF (2.1)	FGF21 (2.1)
NDUFS3 (2.4)	ABHD1 (2.1)	DNAH10 (2.1)	PTCD3 (2.0)	PPIP5K1 (2.0)
ZDHHC18 (2.4)	BLK (2.2)	MTF2 (2.0)	SDCBP (1.9)	UBXN2B (1.8)
C8orf12 (2.3)	PBX4 (2.1)	C2orf16 (1.8)	ENSG00000182319 (1	REEP3 (1.6)
BCL7B (2.6)	MTF2 (2.5)	MAU2 (2.5)	LSM12 (2.4)	CELF1 (2.4)
TMED5 (1.8)	HAVCR1 (1.8)	COBLL1 (1.6)	TMEM175 (1.5)	CCDC121 (1.5)
HDAC5 (2.5)	SIK3 (2.5)	ZNF335 (2.3)	PLA2G6 (2.2)	ARHGAP1 (1.8)
APOB (2.6)	PDIA3 (2.5)	TM6SF2 (2.5)	MPP3 (2.4)	PTPRJ (2.3)
MTMR9 (2.1)	EIF3J (1.9)	ENSG00000179523 (1	CCDC92 (1.6)	ENSG00000200241 (1
MTMR9 (2.1)	EIF3J (1.9)	ENSG00000179523 (1	CCDC92 (1.6)	ENSG00000200241 (1
MTMR9 (2.1)	EIF3J (1.9)	ENSG00000179523 (1	CCDC92 (1.6)	ENSG00000200241 (1
CCDC18 (3.0)	DNAH10 (2.1)	USP1 (1.7)	ENSG00000234945 (1	LINC00208 (1.5)
C1QTNF4 (2.3)	MAPK10 (2.0)	PLTP (2.0)	TRNP1 (2.0)	NCAN (2.0)
C1QTNF4 (2.3)	MAPK10 (2.0)	PLTP (2.0)	TRNP1 (2.0)	NCAN (2.0)
C1QTNF4 (2.3)	MAPK10 (2.0)	PLTP (2.0)	TRNP1 (2.0)	NCAN (2.0)
ATP13A1 (2.5)	ARFGAP2 (2.5)	PTCD3 (2.4)	PPM1G (2.4)	EIF3J (2.4)
CYP26A1 (2.2)	BNC2 (2.2)	LPL (2.1)	ENSG00000253379 (2	PLTP (1.9)
SPG11 (2.5)	LSM12 (2.4)	TXNL4B (2.4)	SUGP1 (2.1)	KDM3A (2.1)
DDB2 (2.5)	BNC2 (2.0)	MFAP1 (1.9)	TIMD4 (1.9)	CETP (1.9)
FEN1 (1.8)	CKAP5 (1.6)	CCDC18 (1.6)	DPYSL5 (1.5)	WDR76 (1.5)

PTCD3 (3.2)	SUGP1 (3.1)	TP53BP1 (2.8)	IFT172 (2.8)	CKAP5 (2.7)
OST4 (2.1)	CD300LG (2.0)	ZDHHC18 (1.9)	FUT1 (1.9)	GTF3C2 (1.7)
PMFBP1 (2.4)	FZD9 (2.4)	G6PC3 (2.1)	ANGPTL4 (2.0)	ENSG00000234945 (1
ENSG00000235545 (2	ATP13A1 (2.1)	C2orf16 (2.0)	MAU2 (1.9)	ENSG00000256746 (1
ARHGAP1 (2.6)	RASIP1 (2.6)	FRMD5 (2.5)	TMEM175 (2.4)	TAGLN (2.3)
MAP1A (2.7)	MAPK10 (2.4)	FNDC4 (2.3)	EPB41L3 (2.3)	C1QTNF4 (2.0)
IMMT (2.8)	MRPL35 (2.5)	HAVCR1 (2.4)	RIC8B (2.2)	ENSG00000223745 (2
RASIP1 (2.2)	CSGALNACT1 (2.2)	CETP (2.2)	BCL7B (2.2)	EMILIN1 (2.1)
GTF3C2 (3.0)	LSM12 (2.9)	MRPL35 (2.5)	BCL7B (2.5)	KBTBD4 (2.4)
PBX4 (2.1)	ZDHHC18 (1.9)	IZUMO1 (1.8)	ENSG00000254235 (1	PGS1 (1.7)
PTPRJ (1.7)	SLC30A3 (1.7)	CBLC (1.7)	MAPK10 (1.7)	MAMSTR (1.6)
NR1H3 (3.1)	APOC1 (2.9)	MAP1A (2.7)	MAPRE3 (2.5)	PBX4 (2.3)
ZDHHC18 (2.0)	MFAP1 (1.9)	LPAR2 (1.6)	GMIP (1.6)	ACP2 (1.5)
ZDHHC18 (2.0)	MFAP1 (1.9)	LPAR2 (1.6)	GMIP (1.6)	ACP2 (1.5)
FEN1 (2.1)	ZNF512 (2.1)	WDR76 (2.0)	COBLL1 (2.0)	ENSG00000223745 (2
HDAC5 (2.8)	MADD (2.7)	CD300LG (2.6)	GMIP (2.3)	PTPRJ (2.2)
NSMAF (2.5)	MAU2 (2.5)	NRBP1 (2.5)	SUMO1 (2.3)	CASC4 (2.2)
NRBP1 (2.5)	PPM1G (2.1)	SNX17 (2.1)	ZNF259 (2.0)	LSM12 (1.9)
MPP2 (2.5)	MPP3 (2.5)	EPB41L3 (2.3)	MAP1A (2.2)	MAPK10 (2.2)
CELF1 (2.9)	KANK2 (2.7)	ZNF408 (2.7)	BAZ1B (2.6)	SNX17 (2.0)
DPYSL5 (2.2)	ENSG00000254235 (2	DOCK7 (2.1)	NSMAF (1.9)	STRC (1.9)
CYP26A1 (1.9)	RBKS (1.7)	ENSG00000255020 (1	ENSG00000235545 (1	ATG4C (1.5)
ARID1A (2.8)	INTS10 (2.6)	TXNL4B (2.5)	CAD (2.4)	GPN2 (2.3)
MPP3 (2.5)	MAP1A (2.3)	CCDC92 (2.2)	REEP1 (2.0)	TRNP1 (2.0)
CELF1 (2.1)	HDAC5 (2.1)	ZNF664 (2.1)	ENSG00000223522 (1	ARID1A (1.8)
C1QTNF4 (2.5)	SLC30A3 (2.3)	MPP3 (2.2)	REEP1 (2.2)	MAP1A (2.1)
C1QTNF4 (2.5)	SLC30A3 (2.3)	MPP3 (2.2)	REEP1 (2.2)	MAP1A (2.1)
C1QTNF4 (2.5)	SLC30A3 (2.3)	MPP3 (2.2)	REEP1 (2.2)	MAP1A (2.1)
ENSG00000182329 (2	C11orf9 (2.2)	RIC8B (2.1)	COBLL1 (2.1)	MPP2 (2.0)
ACP2 (2.2)	NCAN (2.1)	HAPLN4 (2.0)	KRTCAP3 (1.9)	ENSG00000254235 (1
HAPLN4 (2.0)	EPB41L3 (1.9)	MPV17 (1.8)	ENSG00000256731 (1	MADD (1.7)
APOE (2.2)	BRE (1.9)	PCSK7 (1.8)	ENSG00000255020 (1	SLC22A3 (1.5)
NRBP1 (2.1)	SNX17 (2.1)	CITED2 (2.0)	BUD13 (2.0)	ZNF259 (1.6)
MPP2 (2.6)	HAPLN4 (2.5)	RFX4 (2.3)	APOC1 (2.2)	TSSK6 (2.0)
ENSG00000236827 (2	ABHD1 (2.0)	ENSG00000182329 (1	TM6SF2 (1.7)	RBKS (1.7)
KLF14 (2.0)	ENSG00000235545 (1	PIGV (1.8)	MFAP1 (1.7)	SIK3 (1.7)
KLF14 (2.0)	ENSG00000235545 (1	PIGV (1.8)	MFAP1 (1.7)	SIK3 (1.7)
BCL7B (2.8)	AMBRA1 (2.7)	KBTBD4 (2.7)	BUD13 (2.7)	GTF3C2 (2.7)
MRPL33 (3.4)	OST4 (3.2)	PTCD3 (3.0)	TOMM40 (2.3)	MTCH2 (2.3)
SUMO1 (2.1)	ZNF664 (2.1)	MTF2 (2.0)	KDM3A (2.0)	JMJD1C (1.9)
BUD13 (1.7)	PPM1G (1.7)	BCL7B (1.6)	C17orf105 (1.5)	PMFBP1 (1.5)
PCIF1 (3.1)	ARFGAP2 (2.9)	KBTBD4 (2.8)	IFT172 (2.7)	CITED2 (2.4)
RSPO3 (2.3)	LRP4 (2.2)	FUT2 (2.0)	ENSG00000253379 (1	TMEM101 (1.8)
ABO (2.2)	FUT2 (2.2)	PPY (2.1)	C1orf172 (2.1)	C2orf16 (2.0)
MPP2 (2.5)	SDCBP (2.3)	MADD (2.3)	NRBP1 (2.2)	DHX38 (2.2)
MRPL33 (2.4)	PCIF1 (2.4)	SUMO1 (2.3)	CAD (2.2)	ZNF512 (2.1)
MFAP1 (2.0)	PCIF1 (1.9)	MTF2 (1.8)	ATG4C (1.6)	DHODH (1.6)
DR1 (2.1)	ENSG00000257711 (2	SDC1 (1.9)	WDR76 (1.9)	USP1 (1.8)
ENSG00000182319 (2	JMJD1C (2.6)	ZNF513 (2.4)	C1orf172 (2.4)	LRP4 (2.3)
TBL2 (3.9)	TMED5 (3.0)	PREB (3.0)	ATP13A1 (3.0)	G6PC3 (2.7)

ENSG00000223745 (2	FNBP4 (2.4)	C2orf28 (2.1)	ZNF259 (2.1)	PTPMT1 (2.0)
G6PC3 (1.9)	PMFBP1 (1.9)	TECTB (1.7)	DPYSL5 (1.6)	ABO (1.6)
IZUMO1 (2.6)	CYP26A1 (2.5)	ENSG00000223522 (2	C2orf16 (2.3)	TMEM101 (2.2)
AFF1 (2.6)	C11orf9 (2.5)	UCN (2.2)	FRMD5 (1.8)	KLF14 (1.7)
IZUMO1 (2.2)	EMILIN1 (2.2)	C8orf49 (2.0)	TSSK6 (1.9)	ENSG00000223522 (1
CAD (3.2)	TOMM40 (3.1)	EIF2B4 (3.1)	PPM1G (3.1)	SUPT7L (3.0)
RIC8B (2.3)	FNBP4 (2.3)	BCL7B (2.2)	ZNF512 (2.2)	FUT1 (2.1)
DDB2 (4.1)	BAZ1B (3.9)	MTF2 (3.8)	CTDSPL2 (3.5)	NUP160 (3.4)
PTPRJ (1.8)	PBX4 (1.7)	CD300LG (1.7)	ENSG00000200241 (1	BLK (1.6)
PTPRJ (2.1)	PIGV (2.0)	BCL3 (1.9)	ZNF259 (1.7)	NEIL2 (1.6)
DPYSL5 (2.9)	C11orf9 (2.2)	ENSG00000179523 (2	ENSG00000182319 (2	C2orf28 (1.9)
C8orf12 (2.3)	ENSG00000257711 (2	SIK3 (2.1)	BLK (2.1)	AFF1 (2.0)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
ZNF664 (2.1)	CKAP5 (1.8)	CCDC18 (1.8)	WDR76 (1.8)	MTF2 (1.7)
GPN1 (2.7)	POLR1A (2.7)	PTCD3 (2.5)	CCDC121 (2.4)	HARBI1 (2.2)
CELF1 (2.0)	ENSG00000226645 (2	LRP4 (1.7)	GPAM (1.5)	C11orf9 (1.5)
SUMO1 (1.8)	FUT1 (1.8)	KDM3A (1.8)	ARID1A (1.6)	LRP4 (1.5)
ENSG00000256731 (2	CILP2 (2.1)	MPP2 (1.9)	REEP1 (1.7)	IGF2R (1.7)
MAMSTR (2.1)	SDC1 (2.1)	MAPRE3 (2.0)	GATAD2A (1.9)	CELF1 (1.8)
IZUMO1 (2.3)	PLA2G6 (2.1)	ENSG00000222035 (1	TIMD4 (1.8)	HAVCR1 (1.7)
CKAP5 (2.8)	NDUFS3 (2.8)	MRPL35 (2.6)	SNX17 (2.5)	SUGP1 (2.2)
IMMT (2.5)	MRPL35 (2.2)	SUGP1 (2.1)	LSM12 (2.1)	NDUFS3 (2.1)
IZUMO1 (2.5)	CD300LG (2.5)	BCAM (2.2)	MAPRE3 (1.7)	ENSG00000182319 (1
PREB (2.0)	TMEM101 (2.0)	PDIA3 (1.9)	ENSG00000200241 (1	NAGS (1.8)
SLC5A6 (2.3)	MAMSTR (2.2)	PPY (2.1)	CD300LG (2.0)	PYY (1.9)
REEP1 (3.3)	MAMSTR (2.4)	GATA4 (2.2)	SLC30A3 (2.1)	BCAM (2.0)
ZDHHC18 (2.0)	ACP2 (1.7)	SIDT2 (1.6)	TIMD4 (1.6)	NR1H3 (1.5)
FAM167A (1.9)	MPP3 (1.5)	APOE (1.5)	C2orf53 (1.4)	ENSG00000255020 (1
POLR1A (2.4)	MAFF (2.4)	SUMO1 (2.3)	JMJD1C (2.3)	ARID1A (2.2)
ATG13 (2.5)	GATAD2A (2.5)	MAPRE3 (2.4)	C2orf28 (2.2)	ACP2 (2.1)
CYP26A1 (2.3)	LRP4 (2.3)	MAPRE3 (2.1)	ENSG00000253379 (1	C11orf49 (1.9)
TMEM101 (2.0)	BNC2 (1.9)	SDC1 (1.8)	ENSG00000254235 (1	PTPN13 (1.7)
BNC2 (2.0)	ENSG00000222035 (2	FZD9 (1.9)	PAFAH1B2 (1.9)	CD300LG (1.9)
MPP2 (2.6)	HDAC5 (2.4)	CCDC92 (2.4)	TUBGCP4 (2.3)	MADD (2.1)
GTF3C2 (2.4)	PLA2G6 (2.4)	SLC5A6 (2.2)	NSMAF (2.2)	GPN2 (2.2)
TDH (2.9)	DNAH10 (2.8)	LINC00208 (2.7)	ENSG00000179523 (2	ENSG00000256746 (2
C2orf53 (2.3)	LPA (2.2)	KHK (2.2)	BRE (2.0)	C11orf49 (2.0)
ENSG00000223522 (1	FUT2 (1.9)	ENSG00000253379 (1	ATP13A1 (1.8)	ATG4C (1.7)
ENSG00000182329 (2	C11orf49 (2.1)	IFT172 (2.0)	DPYSL5 (2.0)	PBX4 (1.9)
EMILIN1 (1.9)	BCAM (1.8)	TMED5 (1.5)	CMIP (1.5)	RASIP1 (1.4)
RASIP1 (2.4)	ABHD1 (2.0)	APOA5 (1.9)	WDR76 (1.7)	TM6SF2 (1.7)
SLC5A6 (1.8)	SUMO1 (1.8)	DNAH10 (1.7)	ZNF664 (1.7)	FNDC4 (1.7)
NRBF2 (2.6)	RIC8B (2.5)	JMJD1C (2.4)	DHX38 (2.2)	MTF2 (2.2)

BCAM (2.0)	ENSG00000222035 (1	PTPRJ (1.8)	HAVCR1 (1.7)	LPAR2 (1.7)
MADD (2.1)	MAPRE3 (2.0)	C1QTNF4 (1.9)	REEP1 (1.9)	TRNP1 (1.9)
TSSK6 (2.5)	KLF14 (2.5)	ABO (2.0)	FUT2 (1.8)	PBX4 (1.6)
CASC4 (1.9)	FAM167A (1.8)	ENSG00000223745 (1	SPG11 (1.6)	PTPRJ (1.4)
C2orf16 (2.6)	REEP3 (2.1)	PTPMT1 (2.1)	ENSG00000235545 (2	TIMD4 (1.9)
PVRL2 (2.5)	MTMR9 (2.3)	ENSG00000226645 (2	ABO (2.1)	FUT1 (2.1)
NUP160 (2.6)	GPN2 (2.6)	MRPL35 (2.5)	EIF2B4 (2.5)	GPN1 (2.4)
HDAC5 (2.2)	GPN2 (2.2)	CTDSPL2 (2.1)	NEIL2 (2.0)	DHX38 (2.0)
LPAL2 (2.0)	MAP1A (1.9)	ENSG00000182329 (1	PIGV (1.8)	STRC (1.7)
TRIM54 (2.2)	PIGV (2.1)	C8orf12 (2.1)	CKAP5 (2.1)	CYP26A1 (2.0)
TMEM214 (2.9)	TP53BP1 (2.6)	PPIP5K1 (2.2)	TBL2 (2.1)	MFAP1 (2.0)
TMEM214 (2.9)	TP53BP1 (2.6)	PPIP5K1 (2.2)	TBL2 (2.1)	MFAP1 (2.0)
TMEM214 (2.9)	TP53BP1 (2.6)	PPIP5K1 (2.2)	TBL2 (2.1)	MFAP1 (2.0)
ZNF512 (2.6)	TMED5 (2.5)	ENSG00000257711 (2	HARBI1 (2.0)	REEP3 (1.9)
SPG11 (2.3)	DHX38 (2.2)	PBX4 (2.0)	TXNL4B (2.0)	ENSG00000200241 (1
FUT1 (2.2)	CSGALNACT1 (2.2)	LRP4 (2.1)	TMEM101 (2.0)	DNAH10 (1.9)
ABO (2.3)	ENSG00000236827 (2	BNC2 (2.2)	IZUMO1 (2.1)	C11orf9 (2.0)
SDC1 (2.9)	C1orf172 (2.7)	TAGLN (2.5)	CKAP5 (2.5)	CMIP (2.3)
BAZ1B (2.3)	ENSG00000223522 (2	TP53BP1 (2.2)	JMJD1C (2.1)	PTPN13 (2.0)
MPP3 (2.8)	CMIP (2.8)	PTPRJ (2.4)	CD300LG (2.3)	CELF1 (2.2)
IZUMO1 (2.6)	C2orf16 (2.5)	NEIL2 (2.4)	ENSG00000222035 (2	C8orf12 (1.9)
SNX17 (2.2)	ZNF259 (2.0)	UCN (2.0)	FNBP4 (2.0)	SUGP1 (2.0)
ZNF664 (2.3)	BMPR2 (2.2)	HDAC5 (2.1)	ENSG00000182329 (2	DHX38 (2.0)
C2orf16 (2.2)	ENSG00000234945 (2	ENSG00000200241 (2	TIMD4 (1.9)	RBKS (1.8)
LPAR2 (2.4)	ENSG00000256746 (2	ENSG00000182319 (2	ENSG00000236827 (2	SFN (2.0)
CYP26A1 (2.1)	C8orf49 (2.0)	C17orf105 (2.0)	KLF14 (1.8)	SLC30A3 (1.8)
DNAH10 (2.2)	ENSG00000234945 (2	C8orf12 (2.0)	PTPN13 (1.9)	SDC1 (1.9)
RSPO3 (2.2)	C11orf49 (2.2)	KANK2 (1.8)	DNAJC5G (1.6)	PTPN13 (1.6)
ENSG00000236267 (2	NSMAF (2.1)	PBX4 (2.1)	ENSG00000234945 (2	SLC22A3 (1.9)
C17orf105 (2.2)	ENSG00000255020 (2	SLC30A3 (2.1)	TDH (2.0)	UCN (1.9)
HAPLN4 (2.9)	REEP1 (2.5)	MPP3 (2.4)	CELF1 (2.3)	C1QTNF4 (2.2)
TMEM101 (2.4)	ENSG00000234945 (2	DNAJC5G (2.0)	C1orf172 (1.9)	ENSG00000200241 (1
NUP160 (3.5)	DDB2 (3.0)	CTDSPL2 (2.9)	MTF2 (2.3)	BAZ1B (2.2)
NR1H3 (1.8)	ZDHHC18 (1.5)	PBX4 (1.5)	TIMD4 (1.5)	NFE2L3 (1.5)
NRBF2 (3.0)	MTF2 (2.8)	TXNL4B (2.6)	GPN1 (2.4)	PCIF1 (2.4)
CTDSPL2 (2.4)	EIF3J (2.3)	BMPR2 (2.3)	PTPRJ (2.3)	PPIP5K1 (2.1)
CSGALNACT1 (2.2)	CMIP (2.1)	CHMP3 (2.0)	CCDC92 (2.0)	DPYSL5 (1.9)
DR1 (2.9)	ZNF408 (2.8)	NOP58 (2.5)	SUGP1 (2.1)	FEN1 (2.1)
RBKS (2.0)	PLA2G6 (1.9)	SLC22A3 (1.6)	GMIP (1.5)	SIK3 (1.5)
MPP3 (2.1)	C11orf9 (2.0)	TSSK6 (1.9)	SDC1 (1.9)	ENSG00000182329 (1
GTF3C2 (3.0)	KBTBD4 (2.6)	GPN2 (2.6)	SUPT7L (2.6)	GPN1 (2.5)
SLC22A1 (2.4)	ATP13A1 (2.1)	NAGS (2.0)	SOST (1.9)	PCSK7 (1.8)
NRBP1 (2.7)	CLPTM1 (2.6)	IGF2R (2.5)	TXNL4B (2.4)	ARFGAP2 (2.3)
PBX4 (2.2)	FUT2 (2.1)	PCSK7 (1.9)	KLF14 (1.9)	SLC5A6 (1.8)
CMIP (2.2)	LSM12 (2.1)	SIK3 (2.1)	CELF1 (2.1)	ZNF513 (1.8)
DR1 (2.6)	BCL7B (2.6)	ARID1A (2.4)	BAZ1B (2.4)	CTDSPL2 (2.3)
ENSG00000253379 (2	DUSP3 (2.0)	BLK (1.9)	SDCBP (1.7)	DNAH10 (1.6)
MTF2 (3.0)	USP1 (2.8)	NDUFS3 (2.6)	PPM1G (2.5)	NFE2L3 (2.5)
MTF2 (3.0)	USP1 (2.8)	NDUFS3 (2.6)	PPM1G (2.5)	NFE2L3 (2.5)
PBX4 (2.1)	RBKS (2.1)	KBTBD4 (1.8)	NSMAF (1.7)	C1QTNF4 (1.7)

MRPL33 (4.3)	IMMT (4.0)	MTCH2 (3.4)	PPIP5K1 (2.7)	MYBPC3 (2.1)
EIF2B4 (2.8)	C2orf28 (2.2)	ENSG00000255020 (2	SNX17 (2.1)	TOMM40 (2.1)
MPP3 (2.4)	FZD9 (2.4)	RASIP1 (2.3)	BNC2 (2.2)	LPAL2 (2.0)
CMIP (2.3)	MPP2 (2.2)	C1QTNF4 (2.2)	GMIP (2.1)	KLF14 (2.1)
ENSG00000255020 (2	MPP3 (1.7)	DPYSL5 (1.7)	BNC2 (1.6)	ENSG00000254235 (1
C8orf49 (2.7)	MTMR9 (2.3)	NEIL2 (2.2)	FADS2 (2.1)	GATA4 (2.1)
C1orf172 (2.4)	LRP4 (2.1)	TSSK6 (2.1)	ENSG00000253379 (2	BCAM (2.0)
BCAM (2.4)	CMIP (2.2)	NR0B2 (2.2)	NR1H3 (2.1)	HDAC5 (1.9)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
GPN2 (2.7)	NUP160 (2.6)	NRBF2 (2.6)	MTF2 (2.5)	TXNL4B (2.5)
C11orf9 (1.9)	PYY (1.9)	C17orf105 (1.9)	CSGALNACT1 (1.9)	BCAM (1.8)
USP1 (2.3)	BAZ1B (2.2)	PCSK7 (2.1)	SNX17 (2.1)	CCDC18 (2.0)
RIC8B (2.2)	PCIF1 (2.1)	PTPRJ (2.1)	CHMP3 (2.1)	ENSG00000255020 (2
FAM167A (2.8)	DOCK7 (2.6)	BMPR2 (2.4)	EPB41L3 (2.1)	C11orf49 (2.1)
USP1 (4.4)	NUP160 (3.4)	BAZ1B (3.1)	CAD (3.0)	CTDSPL2 (3.0)
IMMT (3.9)	MTCH2 (3.8)	OST4 (3.8)	C2orf28 (3.5)	PTPMT1 (2.9)
ARID1A (2.1)	ZNF664 (2.1)	SUMO1 (2.1)	KDM3A (1.9)	JMJD1C (1.9)
CYP26A1 (2.2)	LPAR2 (2.1)	FAM167A (2.1)	CCDC121 (2.0)	KRTCAP3 (1.9)
ENSG00000256746 (1	ENSG00000236267 (1	BLK (1.7)	ENSG00000222035 (1	C2orf53 (1.5)
ENSG00000256746 (1	ENSG00000236267 (1	BLK (1.7)	ENSG00000222035 (1	C2orf53 (1.5)
DR1 (2.5)	MTMR9 (2.4)	NEIL2 (2.3)	BCL7B (2.3)	NRBP1 (1.9)
FUT2 (2.7)	C1orf172 (2.2)	C11orf9 (2.2)	TRNP1 (2.2)	GCKR (2.0)
NRBP1 (1.8)	TIMD4 (1.7)	BRE (1.6)	FGF21 (1.6)	SNX17 (1.6)
ENSG00000226645 (2	ZNF513 (2.1)	NRBF2 (2.1)	STRC (2.1)	HAVCR1 (2.0)
C2orf53 (1.9)	PMFBP1 (1.9)	MPP3 (1.9)	ENSG00000255020 (1	DPYSL5 (1.8)
PAFAH1B2 (2.0)	JMJD1C (1.9)	AMBRA1 (1.9)	PPIP5K1 (1.9)	EIF2B4 (1.8)
PREB (2.5)	CTSB (2.3)	IZUMO1 (2.2)	KRTCAP3 (2.0)	MRPL33 (1.9)
NR0B2 (2.5)	PPY (2.0)	CMIP (1.6)	BCL3 (1.5)	FRMD5 (1.4)
MTCH2 (3.0)	USP1 (2.9)	MTF2 (2.8)	CKAP5 (2.3)	NFE2L3 (2.3)
MPP3 (2.4)	DUSP3 (2.3)	CMIP (2.2)	MAPK10 (2.0)	ENSG00000256731 (1
USP1 (3.9)	CTDSPL2 (3.7)	NUP160 (3.3)	MFAP1 (3.0)	GPN1 (2.8)
SUGP1 (3.1)	MTF2 (3.0)	NUP160 (2.2)	GPN2 (2.1)	INTS10 (2.0)
ENSG00000234945 (2	SLC22A3 (2.0)	C11orf9 (1.9)	EPB41L3 (1.9)	UCN (1.8)
CMIP (1.6)	HDAC5 (1.6)	C1QTNF4 (1.5)	UCN (1.5)	UBXN2B (1.5)
EPB41L3 (2.9)	SIK3 (2.6)	C11orf9 (2.3)	PAFAH1B2 (2.2)	FRMD5 (2.2)
ENSG00000226645 (2	NAGS (2.0)	C1orf172 (2.0)	KRTCAP3 (1.8)	REEP3 (1.7)
ATP13A1 (4.0)	C2orf28 (3.8)	TMEM101 (3.6)	TBL2 (2.9)	TMEM214 (2.6)
CTDSPL2 (2.5)	PCIF1 (2.4)	LSM12 (2.4)	ZNF664 (2.3)	CELF1 (2.1)
ABO (2.1)	ENSG00000255020 (2	TECTB (2.0)	ENSG00000256746 (1	ENSG00000223745 (1
ABO (2.1)	ENSG00000255020 (2	TECTB (2.0)	ENSG00000256746 (1	ENSG00000223745 (1
PMFBP1 (4.6)	DNAJC5G (3.1)	ABHD1 (2.3)	APOA1 (2.2)	IZUMO1 (2.1)
SUPT7L (2.5)	TP53BP1 (2.4)	CCDC18 (2.2)	WDR76 (2.0)	CKAP5 (1.9)
ZNF335 (2.3)	RIC8B (2.2)	NAT2 (2.2)	PBX4 (2.1)	NSMAF (2.1)
CITED2 (2.4)	DOCK7 (2.4)	SNX17 (2.3)	SUGP1 (2.1)	SIK3 (2.0)
FUT2 (2.3)	ANGPTL3 (2.0)	KRTCAP3 (2.0)	TRNP1 (1.9)	TRIB1 (1.8)
PCIF1 (2.5)	SUGP1 (2.4)	KBTBD4 (2.2)	C11orf49 (2.1)	PPM1G (2.0)

ARFGAP2 (3.1)	EIF2B4 (2.9)	MRPL35 (2.7)	SNX17 (2.4)	PREB (2.2)
ARFGAP2 (3.1)	EIF2B4 (2.9)	MRPL35 (2.7)	SNX17 (2.4)	PREB (2.2)
ARFGAP2 (3.1)	EIF2B4 (2.9)	MRPL35 (2.7)	SNX17 (2.4)	PREB (2.2)
C2orf28 (3.2)	MRPL35 (3.0)	MTCH2 (2.7)	IMMT (2.6)	ENSG00000182329 (2
NAGS (2.2)	TXNL4B (2.1)	TSSK6 (2.1)	C2orf53 (1.9)	SUMO1 (1.9)
TRIB1 (2.1)	MAFF (2.0)	NEIL2 (1.9)	DR1 (1.8)	LPAR2 (1.8)
BAZ1B (2.2)	PCIF1 (2.2)	ENSG00000234945 (2	PPM1G (2.1)	MTF2 (2.1)
TRIM54 (2.1)	FAM167A (2.0)	PBX4 (1.9)	GCKR (1.8)	GATA4 (1.8)
PCIF1 (2.7)	ARFGAP2 (2.6)	ZNF335 (2.6)	IFT172 (2.5)	CITED2 (2.2)
C8orf49 (2.2)	CYP26A1 (2.1)	PYY (2.0)	BNC2 (2.0)	TSSK6 (2.0)
EIF2B4 (3.4)	ARFGAP2 (2.8)	MRPL35 (2.8)	SNX17 (2.5)	PREB (2.2)
EIF2B4 (3.4)	ARFGAP2 (2.8)	MRPL35 (2.8)	SNX17 (2.5)	PREB (2.2)
EIF2B4 (3.4)	ARFGAP2 (2.8)	MRPL35 (2.8)	SNX17 (2.5)	PREB (2.2)
TP53BP1 (3.1)	SUGP1 (3.1)	NUP160 (3.1)	CKAP5 (2.9)	PTCD3 (2.9)
C1QTNF4 (2.5)	MAP1A (2.5)	SLC30A3 (2.3)	EPB41L3 (2.3)	MPP3 (2.1)
ENSG00000253379 (2	DR1 (2.1)	PTPN13 (2.1)	BCL7B (2.0)	GMIP (1.8)
ENSG00000179523 (2	NCAN (2.1)	COBLL1 (2.0)	SOST (1.8)	FAM167A (1.7)
ENSG00000179523 (2	NCAN (2.1)	COBLL1 (2.0)	SOST (1.8)	FAM167A (1.7)
MRPL35 (3.0)	NDUFS3 (2.7)	MTF2 (2.3)	GPN2 (1.9)	RBKS (1.9)
CTDSPL2 (2.3)	CASC4 (2.3)	MTF2 (2.3)	BAZ1B (2.3)	LSM12 (2.2)
BCAM (2.4)	SOST (2.4)	CCDC121 (2.0)	LRP4 (1.8)	C2orf16 (1.7)
ENSG00000222035 (2	PAFAH1B2 (2.5)	BCL7B (2.3)	ABO (2.0)	STRC (1.9)
TRIM54 (2.8)	PACSIN3 (2.5)	REEP1 (2.1)	GATA4 (2.1)	ARHGAP1 (1.9)
MADD (2.7)	CLPTM1 (2.3)	PYY (2.3)	SLC30A3 (2.2)	HAPLN4 (2.2)
MAPRE3 (3.2)	SLC30A3 (3.0)	DPYSL5 (2.8)	MAPK10 (2.7)	MAP1A (2.7)
KANK2 (2.1)	CKAP5 (1.8)	REEP1 (1.7)	NFE2L3 (1.6)	ARHGAP1 (1.6)
MAPRE3 (2.3)	CHMP3 (2.3)	TRIM54 (2.1)	CELF1 (2.1)	BRE (1.9)
CCDC92 (2.3)	ZNF512 (2.3)	ENSG00000235545 (2	PCIF1 (2.0)	NRBP1 (1.9)
CCDC92 (2.3)	ZNF512 (2.3)	ENSG00000235545 (2	PCIF1 (2.0)	NRBP1 (1.9)
NRBP1 (3.1)	EIF2B4 (3.1)	PREB (2.8)	ARFGAP2 (2.4)	SNX17 (2.2)
PPM1G (3.7)	EIF2B4 (3.6)	PREB (2.9)	NDUFS3 (2.9)	TUBGCP4 (2.9)
DUSP3 (2.2)	BLK (2.0)	ENSG00000253379 (2	SDCBP (1.8)	SUPT7L (1.5)
PPM1G (1.9)	DOCK7 (1.7)	ZNF664 (1.7)	IMMT (1.7)	JMJD1C (1.7)
PGS1 (1.9)	ZDHHC18 (1.8)	IZUMO1 (1.8)	COBLL1 (1.7)	ENSG00000254235 (1
MPP2 (2.1)	EPB41L3 (2.0)	MPP3 (1.9)	C2orf16 (1.9)	CSGALNACT1 (1.8)
BAZ1B (2.7)	CKAP5 (2.7)	PCIF1 (2.6)	KBTBD4 (2.5)	USP1 (2.4)
ENSG00000235545 (2	ENSG00000254235 (1	NUP160 (1.9)	RIC8B (1.9)	TOMM40 (1.8)
SFN (2.2)	PBX4 (2.1)	SOST (2.0)	C2orf16 (1.9)	DNAJC5G (1.9)
EIF3J (2.6)	JMJD1C (2.6)	DR1 (2.6)	SIK3 (2.5)	SPG11 (2.4)
BNC2 (2.4)	ABO (2.3)	ENSG00000236827 (2	C17orf105 (2.2)	ENSG00000256746 (2
DDB2 (3.6)	CTDSPL2 (3.2)	CAD (3.0)	USP1 (2.9)	SUPT7L (2.9)
DDB2 (3.6)	CTDSPL2 (3.2)	CAD (3.0)	USP1 (2.9)	SUPT7L (2.9)
CCDC92 (1.7)	CSGALNACT1 (1.7)	CETP (1.7)	DPYSL5 (1.6)	HDAC5 (1.6)
ENSG00000255020 (2	TSSK6 (2.2)	FUT2 (2.2)	ENSG00000223745 (2	KRTCAP3 (2.1)
TUBGCP4 (2.2)	PPIP5K1 (2.1)	SLC22A3 (2.1)	FADS1 (2.0)	PLA2G6 (2.0)
BRE (2.0)	ARID1A (1.9)	GTF3C2 (1.8)	FRMD5 (1.7)	LPAR2 (1.7)
C2orf16 (2.3)	MPP2 (2.2)	CATSPER2 (2.2)	C11orf49 (2.1)	CGREF1 (2.1)
ZNF513 (2.5)	DNAJC5G (2.5)	CETP (2.4)	BCL7B (2.3)	SNX17 (2.3)
ARID1A (2.0)	USP1 (1.9)	SUMO1 (1.9)	CITED2 (1.9)	PPM1G (1.9)
PCIF1 (2.8)	SUGP1 (2.8)	DHX38 (2.8)	ZNF335 (2.7)	CELF1 (2.6)

ENSG00000256746 (2	MAU2 (2.4)	NRBF2 (2.4)	ZNF408 (2.3)	ZNF513 (2.1)
RSPO3 (2.3)	SOST (2.1)	SDC1 (2.0)	CCDC121 (1.9)	REEP3 (1.9)
RSPO3 (2.3)	SOST (2.1)	SDC1 (2.0)	CCDC121 (1.9)	REEP3 (1.9)
PPY (2.0)	KLF14 (1.9)	CD300LG (1.8)	MAPK10 (1.8)	ABHD1 (1.7)
DR1 (1.9)	TIMD4 (1.8)	MTMR9 (1.7)	GMIP (1.7)	TECTB (1.6)
ENSG00000222035 (2	LRP4 (2.2)	ENSG00000253379 (2	ENSG00000257711 (2	ENSG00000256746 (2
ZDHHC18 (2.3)	OST4 (2.0)	KRTCAP3 (1.9)	PIGV (1.7)	ENSG00000236827 (1
C8orf12 (2.7)	SUMO1 (2.3)	DOCK7 (2.2)	ZNF408 (2.0)	AMBRA1 (2.0)
CBLC (2.4)	TMEM101 (2.2)	CILP2 (2.1)	ENSG00000223745 (2	C1orf172 (1.9)
TMEM214 (2.3)	CTSB (2.2)	TBL2 (2.2)	BCAM (2.1)	PYY (1.9)
BAZ1B (2.5)	USP1 (2.5)	DR1 (2.4)	CTDSPL2 (2.4)	WDR76 (2.2)
SLC30A3 (2.7)	MPP2 (2.4)	C1QTNF4 (2.3)	ENSG00000226645 (2	CHMP3 (2.0)
CLPTM1 (2.4)	CCDC92 (2.2)	MPP2 (2.0)	DUSP3 (2.0)	GATAD2A (1.9)
EIF3J (2.1)	C2orf53 (2.1)	GPN1 (2.0)	TUBGCP4 (1.9)	SUPT7L (1.9)
GATAD2A (2.1)	PACSIN3 (2.0)	LRP4 (1.9)	FGF21 (1.9)	REEP1 (1.9)
STRC (1.8)	MPP3 (1.8)	NAT2 (1.8)	ABO (1.7)	C1QTNF4 (1.6)
CYP26A1 (2.1)	ENSG00000182329 (2	ENSG00000235545 (2	PGS1 (1.9)	CAD (1.9)
DDB2 (3.3)	CTDSPL2 (3.2)	MTF2 (3.1)	NUP160 (2.9)	BAZ1B (2.5)
ENSG00000182319 (2	GTF3C2 (2.0)	AFF1 (1.8)	SNX17 (1.8)	DOCK7 (1.7)
EIF3J (3.2)	NDUFS3 (3.0)	TP53BP1 (2.8)	CAD (2.8)	CELF1 (2.3)
C2orf28 (2.8)	AGBL5 (2.6)	SPG11 (2.4)	PIGV (2.2)	FAM167A (2.0)
BCAM (3.5)	MAPRE3 (2.5)	CILP2 (2.4)	MYBPC3 (2.3)	MPP3 (2.0)
GPN2 (3.1)	EIF3J (3.0)	MFAP1 (2.9)	GPN1 (2.9)	ZNF408 (2.9)
GATA4 (2.5)	IZUMO1 (2.2)	ZNF512 (2.1)	AGBL5 (1.8)	DNAH10 (1.6)
GATA4 (2.5)	IZUMO1 (2.2)	ZNF512 (2.1)	AGBL5 (1.8)	DNAH10 (1.6)
GATA4 (2.5)	IZUMO1 (2.2)	ZNF512 (2.1)	AGBL5 (1.8)	DNAH10 (1.6)
KANK2 (1.8)	PBX4 (1.8)	FUT1 (1.8)	MAMSTR (1.7)	PAFAH1B2 (1.7)
BCL7B (2.3)	KDM3A (2.2)	NEIL2 (2.2)	FDFT1 (2.2)	DR1 (2.0)
GPN2 (2.9)	INTS10 (2.7)	DHODH (2.6)	CELF1 (2.5)	CTDSPL2 (2.5)
LINC00208 (2.5)	KBTBD4 (2.3)	SUPT7L (2.2)	PREB (2.1)	ENSG00000256731 (2
TAGLN (3.4)	GATA4 (3.0)	FRMD5 (2.8)	KANK2 (2.6)	DUSP3 (2.3)
IGF2R (2.5)	TMEM101 (2.4)	G6PC3 (2.3)	MPV17 (2.2)	SIK3 (2.0)
BLK (2.3)	ENSG00000223745 (2	ENSG00000235545 (2	UCN (2.0)	GMIP (1.9)
EIF2B4 (2.3)	MTCH2 (2.0)	LSM12 (2.0)	HARBI1 (1.9)	ENSG00000256731 (1
CYP26A1 (2.0)	CILP2 (1.9)	C8orf49 (1.9)	REEP3 (1.9)	PPY (1.8)
OST4 (3.4)	PTPMT1 (3.3)	PTCD3 (3.3)	GPN1 (2.4)	IMMT (2.2)
FRMD5 (3.0)	GATA4 (2.9)	IMMT (2.4)	NDUFS3 (2.1)	CHMP3 (1.6)
DPYSL5 (2.3)	PBX4 (2.2)	FUT2 (2.2)	TSSK6 (2.1)	KLF14 (2.0)
LSM12 (2.6)	ARID1A (2.3)	AMBRA1 (2.3)	SUMO1 (2.3)	PCIF1 (2.2)
BCL7B (2.2)	GPN2 (2.1)	BAZ1B (2.1)	MTMR9 (2.1)	PPM1G (2.1)
TXNL4B (2.4)	HDAC5 (2.3)	C8orf49 (2.2)	ENSG00000253379 (2	ATG4C (1.9)
MPP2 (2.2)	INTS10 (2.1)	NCAN (2.1)	TRNP1 (2.0)	C11orf49 (1.9)
PCSK7 (2.2)	ZDHHC18 (1.9)	AMBRA1 (1.9)	LINC00208 (1.8)	UBXN2B (1.7)
IMMT (3.9)	OST4 (3.8)	MTCH2 (3.8)	C2orf28 (3.5)	PTPMT1 (2.7)
USP1 (2.4)	WDR76 (1.7)	MAU2 (1.6)	ENSG00000222035 (1	DNAH10 (1.3)
USP1 (2.5)	KANK2 (2.2)	CCDC18 (2.1)	BAZ1B (2.0)	ABCA1 (1.9)
ZNF335 (2.5)	MAPK10 (2.3)	PLA2G6 (2.2)	MADD (2.1)	ZNF513 (1.9)
REEP1 (2.1)	CMIP (1.9)	REEP3 (1.8)	SDCBP (1.8)	CETP (1.8)
FUT1 (2.3)	BCAM (2.2)	ENSG00000256746 (2	ENSG00000200241 (2	ENSG00000234945 (2
IGF2R (2.0)	AMBRA1 (1.9)	KBTBD4 (1.9)	UBXN2B (1.6)	VEGFA (1.6)

ENSG00000222035 (2	SLC30A3 (2.0)	C2orf16 (2.0)	ABHD1 (2.0)	ENSG00000236267 (1
BLK (2.5)	BRE (2.2)	ENSG00000223522 (2	GMIP (2.0)	UBXN2B (1.9)
CGREF1 (2.4)	SUGP1 (2.1)	CLPTM1 (2.0)	PACSIN3 (2.0)	C2orf53 (2.0)
PREB (2.3)	RIC8B (2.3)	TP53BP1 (2.3)	CGREF1 (2.2)	SDCBP (2.1)
FNBP4 (2.5)	CELF1 (2.5)	ARID1A (2.4)	ENSG00000236267 (2	BAZ1B (2.3)
TMEM175 (2.5)	DNAH10 (1.8)	USP1 (1.7)	LINC00208 (1.5)	ENSG00000179523 (1
PDIA3 (2.0)	GATAD2A (1.9)	SNX17 (1.9)	ARFGAP2 (1.8)	MPP2 (1.8)
DDB2 (3.9)	NUP160 (3.4)	CTDSPL2 (2.6)	BAZ1B (2.3)	CAD (2.3)
OST4 (4.4)	IMMT (4.0)	MTCH2 (4.0)	C2orf28 (3.1)	PTPMT1 (3.0)
CKAP5 (2.1)	AFF1 (2.0)	ARID1A (1.8)	SDCBP (1.7)	CITED2 (1.7)
NRBF2 (2.9)	MFAP1 (2.9)	LSM12 (2.6)	MTF2 (2.5)	KBTBD4 (2.4)
C8orf12 (2.5)	HARBI1 (2.4)	NFE2L3 (2.3)	LSM12 (2.0)	MRPL35 (2.0)
FUT1 (1.7)	IMMT (1.6)	TRNP1 (1.6)	TMED5 (1.6)	C1orf172 (1.6)
NSMAF (2.0)	NOP58 (2.0)	PTPMT1 (1.9)	MRPL33 (1.9)	BAZ1B (1.8)
C11orf49 (2.3)	LPA (2.2)	SUMO1 (2.1)	TXNL4B (2.0)	CSGALNACT1 (1.6)
CTDSPL2 (2.4)	ZNF664 (2.3)	GATAD2A (2.1)	LSM12 (2.0)	AMBRA1 (1.8)
ZNF259 (3.0)	GPN1 (2.9)	CITED2 (2.8)	PPM1G (2.5)	BCL7B (2.4)
ZNF259 (3.0)	GPN1 (2.9)	CITED2 (2.8)	PPM1G (2.5)	BCL7B (2.4)
ENSG00000254235 (2	DHODH (2.4)	ENSG00000179523 (2	FUT1 (1.9)	FGF21 (1.9)
C1QTNF4 (2.8)	MAP1A (2.5)	ABO (2.5)	MPP2 (2.4)	CATSPER2 (2.2)
TP53BP1 (2.3)	ENSG00000235545 (2	CTDSPL2 (2.2)	RFX4 (2.1)	C8orf12 (2.1)
C1QTNF4 (2.7)	ENSG00000256746 (2	HAVCR1 (2.2)	BCAM (2.1)	FNDC4 (2.1)
PBX4 (2.4)	ZNF335 (2.0)	LPAR2 (2.0)	PLA2G6 (1.8)	ZDHHC18 (1.8)
KANK2 (2.2)	FZD9 (2.2)	SIDT2 (2.0)	NCAN (1.8)	ARHGAP1 (1.7)
SOST (2.7)	PTPN13 (2.6)	CCDC121 (2.5)	LRP4 (2.4)	FNDC4 (2.0)
GATAD2A (2.6)	MFAP1 (2.6)	EIF3J (2.6)	FNBP4 (2.5)	NSMAF (2.5)
TOMM40 (3.2)	GPN2 (3.1)	DHODH (3.0)	EIF3J (3.0)	GPN1 (2.6)
PBX4 (1.9)	SIK3 (1.9)	ZDHHC18 (1.9)	ENSG00000256746 (1	SLC22A3 (1.8)
WDR76 (2.5)	CTDSPL2 (2.3)	BUD13 (2.2)	KBTBD4 (2.2)	CELF1 (2.2)
ARHGAP1 (2.6)	DOCK7 (2.6)	DUSP3 (2.5)	MAPRE3 (2.5)	MAU2 (2.3)
FAM167A (2.1)	ENSG00000236827 (2	TECTB (1.9)	FUT2 (1.9)	PTPN13 (1.8)
PLTP (2.0)	EPB41L3 (1.7)	FUT1 (1.7)	NEIL2 (1.6)	UCN (1.6)
PPM1G (1.7)	SUMO1 (1.7)	NOP58 (1.6)	MAMSTR (1.5)	FNDC4 (1.4)
KHK (2.3)	COBLL1 (2.0)	MPP3 (1.9)	ENSG00000223745 (1	BCAM (1.8)
RSPO3 (2.2)	BCAM (2.0)	CBLC (1.9)	TMEM101 (1.7)	CCDC121 (1.6)
GPN2 (3.2)	TMEM175 (3.1)	TBL2 (2.8)	IFT172 (2.8)	TXNL4B (2.7)
C11orf49 (2.0)	PTPMT1 (2.0)	SUGP1 (2.0)	MTMR9 (1.9)	ARFGAP2 (1.9)
SOST (2.2)	CYP26A1 (2.0)	RSPO3 (2.0)	REEP3 (1.9)	SDC1 (1.8)
SOST (2.2)	CYP26A1 (2.0)	RSPO3 (2.0)	REEP3 (1.9)	SDC1 (1.8)
C2orf53 (1.9)	KLF14 (1.9)	CD300LG (1.8)	SLC22A3 (1.8)	MPP3 (1.7)
MPP2 (2.5)	TUBGCP4 (2.4)	CD300LG (2.1)	MADD (2.1)	ENSG00000223522 (2
LRP4 (2.3)	DNAH10 (2.3)	ENSG00000223522 (2	FAM167A (2.2)	ENSG00000222035 (2
ZNF335 (2.4)	MAPK10 (2.2)	PLA2G6 (2.2)	MADD (1.9)	ZNF513 (1.8)
CYP7A1 (2.1)	MADD (1.9)	MPP3 (1.9)	ENSG00000234945 (1	SLC30A3 (1.8)
KBTBD4 (2.8)	C8orf49 (2.8)	ZNF513 (2.6)	PAFAH1B2 (2.5)	BNC2 (2.5)
SLC5A6 (2.1)	ENSG00000223522 (1	LPAR2 (1.9)	DNAJC5G (1.8)	ENSG00000200241 (1
MFAP1 (3.3)	CCDC18 (3.1)	PTCD3 (3.0)	NUP160 (2.9)	CAD (2.7)
CILP2 (1.9)	ABO (1.7)	G6PC3 (1.6)	MAPRE3 (1.6)	NEIL2 (1.5)
NOP58 (2.7)	SUMO1 (2.3)	CHMP3 (2.1)	DOCK7 (1.8)	LSM12 (1.7)
EIF2B4 (2.5)	BUD13 (2.2)	MPV17 (2.1)	POLR1A (2.1)	RIC8B (2.0)

MTF2 (3.7)	CTDSPL2 (3.6)	DDB2 (3.6)	NUP160 (3.5)	TUBGCP4 (2.8)
PBX4 (2.0)	LPAR2 (1.8)	ZDHHC18 (1.8)	NRBF2 (1.7)	ACP2 (1.7)
CELF1 (2.2)	PACSIN3 (2.0)	PPIP5K1 (1.9)	TUBGCP4 (1.8)	AMBRA1 (1.8)
PACSIN3 (3.1)	FRMD5 (3.1)	GATA4 (3.0)	CHMP3 (2.5)	NDUFS3 (2.5)
CCDC92 (2.3)	AGBL2 (2.1)	ACP2 (1.8)	NRBP1 (1.8)	SUGP1 (1.7)
GATA4 (3.5)	ENSG00000255020 (2	TDH (2.8)	PACSIN3 (2.6)	ENSG00000222035 (2
TMED5 (1.9)	MTMR9 (1.9)	HDAC5 (1.9)	ZDHHC18 (1.9)	FUT1 (1.8)
FRMD5 (3.1)	C8orf49 (3.0)	CYP26A1 (2.7)	PACSIN3 (2.6)	SLC30A3 (2.5)
BCL7B (2.7)	OST4 (2.6)	PCSK7 (2.5)	DHX38 (2.5)	MAU2 (2.4)
WDR76 (2.8)	CAD (2.3)	BAZ1B (2.3)	NOP58 (2.2)	CCDC18 (2.2)
CYP26A1 (2.4)	AGBL5 (2.3)	RASIP1 (2.3)	ENSG00000256746 (2	DOCK6 (1.8)
CYP26A1 (2.4)	AGBL5 (2.3)	RASIP1 (2.3)	ENSG00000256746 (2	DOCK6 (1.8)
RSPO3 (2.4)	KLF14 (2.2)	LPAR2 (2.0)	SUMO1 (1.9)	DNAJC5G (1.8)
LSM12 (3.1)	G6PC3 (3.1)	ATP13A1 (2.8)	OST4 (2.6)	TBL2 (2.1)
MRPL33 (3.1)	OST4 (2.9)	MTCH2 (2.7)	PPIP5K1 (2.2)	TOMM40 (2.1)
BAZ1B (2.6)	C11orf49 (2.5)	PBX4 (2.5)	IFT172 (2.3)	WDR76 (1.9)
BAZ1B (2.6)	C11orf49 (2.5)	PBX4 (2.5)	IFT172 (2.3)	WDR76 (1.9)
EPB41L3 (2.2)	PIGV (2.0)	MAPK10 (1.9)	ATG4C (1.9)	MAU2 (1.8)
ABO (2.2)	TSSK6 (2.1)	FNDC4 (2.0)	CCDC92 (2.0)	ENSG00000179523 (1
ENSG00000256746 (2	C2orf53 (2.3)	MAU2 (2.3)	ZNF408 (2.3)	NRBF2 (2.2)
CTDSPL2 (4.6)	DDB2 (4.2)	NUP160 (4.1)	BAZ1B (3.5)	TUBGCP4 (2.5)
CTDSPL2 (4.6)	DDB2 (4.2)	NUP160 (4.1)	BAZ1B (3.5)	TUBGCP4 (2.5)
CTDSPL2 (4.6)	DDB2 (4.2)	NUP160 (4.1)	BAZ1B (3.5)	TUBGCP4 (2.5)
TMEM175 (2.8)	IFT172 (2.1)	USP1 (1.7)	ENSG00000179523 (1	LPAR2 (1.5)
EIF3J (3.3)	DHODH (3.2)	GPN2 (3.1)	TOMM40 (3.1)	GPN1 (3.0)
SUGP1 (2.6)	PCIF1 (2.4)	ARFGAP2 (2.3)	PPM1G (2.0)	USP1 (1.9)
CITED2 (2.0)	IZUMO1 (1.7)	TRIB1 (1.7)	CASC4 (1.5)	KBTBD4 (1.5)
BMPR2 (2.4)	C11orf49 (2.0)	RIC8B (1.9)	CITED2 (1.9)	C8orf49 (1.7)
DNAH10 (2.5)	C1orf172 (2.5)	ENSG00000179523 (2	FZD9 (2.2)	ENSG00000234945 (2
MAPK10 (2.6)	PYY (2.5)	MADD (2.4)	ENSG00000257711 (2	MAP1A (2.4)
BAZ1B (2.5)	MFAP1 (2.4)	PAFAH1B2 (1.9)	SUMO1 (1.8)	ENSG00000234945 (1
ZNF664 (2.4)	UBXN2B (2.1)	NSMAF (2.0)	IZUMO1 (2.0)	TRNP1 (1.9)
NAGS (2.5)	SUPT7L (2.4)	HDAC5 (2.2)	MFAP1 (2.2)	MAMSTR (2.1)
CLPTM1 (1.8)	ENSG00000182319 (1	BCL3 (1.8)	PCIF1 (1.8)	MAP1A (1.7)
MRPL35 (4.5)	IMMT (2.7)	MTCH2 (2.6)	MPV17 (2.6)	PPIP5K1 (2.1)
DDB2 (4.7)	CTDSPL2 (4.4)	NUP160 (3.8)	BAZ1B (3.0)	MTF2 (2.4)
INTS10 (2.3)	BUD13 (2.2)	PPM1G (2.1)	IFT172 (2.0)	SUGP1 (1.9)
BRE (2.3)	ATG13 (2.0)	PTPRJ (2.0)	C2orf16 (1.9)	PLA2G6 (1.8)
KBTBD4 (3.6)	JMJD1C (3.4)	ARID1A (3.3)	PCIF1 (3.1)	HARBI1 (3.1)
IZUMO1 (2.2)	COBLL1 (2.1)	ZNF513 (1.7)	ENSG00000253379 (1	DDB2 (1.5)
DUSP3 (2.3)	SDCBP (1.9)	ENSG00000253379 (1	BLK (1.8)	C2orf16 (1.6)
ZNF664 (2.2)	DR1 (2.2)	KDM3A (2.2)	TUBGCP4 (2.1)	CELF1 (2.0)
SLC30A3 (2.0)	ZNF513 (2.0)	C2orf53 (1.8)	ENSG00000223745 (1	C2orf28 (1.7)
MRPL33 (3.0)	PTPMT1 (1.9)	GPN2 (1.9)	TOMM40 (1.9)	ENSG00000223522 (1
ZNF512 (2.0)	BRE (2.0)	SNX17 (1.9)	MPV17 (1.9)	ENSG00000223745 (1
MTF2 (3.2)	BUD13 (2.8)	ARID1A (2.6)	KBTBD4 (2.6)	NRBF2 (2.4)
ABCA1 (2.7)	NRBF2 (2.6)	JMJD1C (2.6)	MTF2 (2.4)	ENSG00000179523 (2
REEP1 (2.5)	DPYSL5 (2.4)	DUSP3 (2.3)	C1QTNF4 (2.2)	ARHGAP1 (2.2)
ANGPTL3 (2.4)	ENSG00000236827 (1	ENSG00000256731 (1	DNAJC5G (1.8)	TM6SF2 (1.8)
MTMR9 (2.1)	MAPK10 (2.1)	SIK3 (2.0)	ENSG00000235545 (2	CATSPER2 (1.9)

SUPT7L (3.1)	KBTBD4 (3.0)	ZNF513 (2.7)	TXNL4B (2.7)	JMJD1C (2.7)
DHODH (3.1)	PTCD3 (3.1)	SPG11 (3.0)	IFT172 (3.0)	IMMT (2.9)
DHODH (3.1)	PTCD3 (3.1)	SPG11 (3.0)	IFT172 (3.0)	IMMT (2.9)
DHODH (3.1)	PTCD3 (3.1)	SPG11 (3.0)	IFT172 (3.0)	IMMT (2.9)
TXNL4B (2.4)	UBXN2B (2.2)	MTCH2 (2.2)	IMMT (2.1)	PTCD3 (2.0)
TXNL4B (2.4)	UBXN2B (2.2)	MTCH2 (2.2)	IMMT (2.1)	PTCD3 (2.0)
GCKR (2.0)	C1QTNF4 (1.8)	MADD (1.8)	CMIP (1.7)	CETP (1.7)
NUP160 (3.1)	NOP58 (2.8)	USP1 (2.6)	PTCD3 (2.5)	EIF3J (2.4)
FZD9 (2.9)	RFX4 (2.7)	CILP2 (2.5)	PYY (2.1)	ENSG00000253379 (2
ABHD1 (2.3)	C2orf53 (2.1)	TM6SF2 (1.9)	DPYSL5 (1.8)	FAM167A (1.7)
CYP26A1 (2.7)	TRIM54 (2.4)	C11orf9 (1.8)	BCAM (1.8)	ARHGAP1 (1.8)
CHMP3 (2.1)	RIC8B (2.0)	TMED5 (1.9)	PPM1G (1.8)	PMFBP1 (1.8)
MAMSTR (2.4)	REEP1 (2.3)	MPP2 (2.0)	MADD (2.0)	MAPRE3 (1.9)
ENSG00000253379 (2	FAM167A (2.5)	C8orf12 (2.0)	PTPN13 (1.8)	G6PC3 (1.8)
EIF2B4 (2.9)	ARFGAP2 (2.8)	MRPL35 (2.6)	GPN2 (2.5)	PACSIN3 (2.5)
REEP1 (3.3)	RASIP1 (3.2)	DOCK6 (2.9)	ARHGAP1 (2.6)	OST4 (2.2)
AGBL2 (2.2)	LPAR2 (2.0)	ENSG00000234945 (1	UCN (1.9)	DNAH10 (1.9)
REEP1 (2.4)	MAPK10 (2.1)	BCAM (2.0)	EMILIN1 (1.9)	MAMSTR (1.9)
ZNF259 (3.1)	NUP160 (2.9)	INTS10 (2.8)	TUBGCP4 (2.7)	DHODH (2.7)
FZD9 (2.2)	TDH (2.2)	ABHD1 (2.2)	SLC22A3 (1.9)	FADS2 (1.9)
TBL2 (2.6)	CTSB (2.5)	TMEM214 (2.2)	BCAM (2.1)	PPIP5K1 (2.0)
FZD9 (2.4)	MAPRE3 (2.2)	TRNP1 (2.1)	C1QTNF4 (2.0)	ENSG00000257711 (2
MAPK10 (2.6)	MAPRE3 (2.4)	C17orf105 (2.0)	SIK3 (2.0)	PGS1 (1.9)
WDR76 (2.6)	IFT172 (2.6)	BAZ1B (2.5)	PBX4 (2.3)	C11orf49 (2.1)
WDR76 (2.6)	IFT172 (2.6)	BAZ1B (2.5)	PBX4 (2.3)	C11orf49 (2.1)
MPV17 (2.5)	HARBI1 (2.3)	BRE (2.1)	ZNF512 (2.0)	PLA2G6 (1.9)
ZNF664 (2.3)	NSMAF (2.2)	UBXN2B (2.1)	CHMP3 (2.0)	SUMO1 (1.9)
EIF2B4 (2.4)	DR1 (2.3)	PTCD3 (2.3)	CHMP3 (2.2)	MTF2 (2.2)
BCAM (2.3)	CLPTM1 (2.2)	CCDC92 (2.1)	ENSG00000182319 (2	PVRL2 (1.9)
SUMO1 (2.2)	HARBI1 (2.1)	ENSG00000179523 (2	ENSG00000235545 (1	MTMR9 (1.6)
OST4 (3.6)	CGREF1 (3.3)	IFT172 (3.1)	ATG13 (2.9)	PDIA3 (2.8)
FUT2 (2.5)	PAFAH1B2 (2.1)	MAPRE3 (2.0)	ZDHHC18 (2.0)	PPIP5K1 (1.9)
CCDC92 (2.3)	ARHGAP1 (2.2)	NRBP1 (2.2)	BNC2 (2.1)	PVRL2 (1.9)
DDB2 (3.3)	CKAP5 (3.2)	CTDSPL2 (2.8)	TUBGCP4 (2.3)	CCDC18 (2.3)
SUMO1 (3.0)	GTF3C2 (2.8)	KBTBD4 (2.7)	LSM12 (2.5)	BUD13 (2.4)
PLA2G6 (2.3)	ZNF664 (2.2)	ZNF408 (2.0)	MAFF (2.0)	ABO (1.9)
HARBI1 (3.6)	TBL2 (3.1)	PDIA3 (3.1)	SNX17 (3.0)	NDUFS3 (3.0)
DOCK7 (2.6)	IMMT (2.5)	CITED2 (2.4)	PPM1G (2.1)	CCDC92 (2.1)
ENSG00000179523 (2	ZNF408 (2.2)	DNAH10 (2.1)	ENSG00000236267 (2	LPAR2 (2.0)
CBLC (1.9)	TMEM175 (1.7)	ZNF512 (1.6)	ENSG00000236267 (1	C17orf105 (1.3)
MPP3 (2.7)	MAFF (2.6)	PPY (2.2)	MAPK10 (2.2)	TECTB (2.0)
LPAR2 (2.1)	REEP3 (1.9)	GATA4 (1.7)	COBLL1 (1.7)	SLC22A3 (1.6)
POLR1A (3.0)	PTCD3 (2.7)	EIF3J (2.4)	EIF2B4 (2.2)	ATG4C (2.2)
CAD (2.4)	MRPL33 (2.3)	OST4 (2.3)	CKAP5 (2.2)	LSM12 (2.1)
KANK2 (2.2)	ZNF335 (2.1)	CD300LG (2.0)	DOCK6 (2.0)	GMIP (1.9)
ZDHHC18 (2.1)	TDH (2.0)	PBX4 (1.9)	ENSG00000200241 (1	KRTCAP3 (1.7)
CD300LG (2.5)	ARHGAP1 (2.4)	PTPRJ (2.3)	NRBP1 (2.0)	BMPR2 (2.0)
FAM167A (2.0)	TXNL4B (1.9)	MTMR9 (1.8)	NFE2L3 (1.7)	TECTB (1.7)
FAM167A (1.8)	C2orf53 (1.8)	FZD9 (1.8)	C8orf12 (1.7)	RSPO3 (1.7)
LPAL2 (2.0)	IMMT (2.0)	CD300LG (1.9)	SPG11 (1.9)	PTPMT1 (1.7)

CASC4 (2.4)	SDC1 (2.3)	PBX4 (2.1)	CCDC121 (2.1)	CYP26A1 (2.0)
PTCD3 (2.5)	ENSG00000223745 (2	PTPMT1 (2.0)	SUPT7L (2.0)	MRPL35 (2.0)
CHMP3 (2.1)	SUMO1 (2.0)	PAFAH1B2 (1.9)	C11orf49 (1.8)	MPV17 (1.8)
GMIP (2.2)	MPV17 (2.2)	PMFBP1 (2.2)	LPAR2 (1.9)	PCSK7 (1.9)
ARFGAP2 (2.3)	LSM12 (2.2)	NRBF2 (2.2)	ATG13 (2.0)	MPP2 (1.9)
ARFGAP2 (2.3)	LSM12 (2.2)	NRBF2 (2.2)	ATG13 (2.0)	MPP2 (1.9)
DDB2 (4.8)	CTDSPL2 (4.6)	NUP160 (3.8)	BAZ1B (3.0)	MTF2 (2.2)
AGBL2 (1.7)	EPB41L3 (1.7)	ENSG00000179523 (1	ATP13A1 (1.6)	TMED5 (1.6)
DDB2 (4.8)	CTDSPL2 (4.5)	NUP160 (3.3)	BAZ1B (2.9)	MTF2 (2.5)
DDB2 (4.8)	CTDSPL2 (4.5)	NUP160 (3.3)	BAZ1B (2.9)	MTF2 (2.5)
TDH (1.3)	ABHD1 (1.3)	BUD13 (1.3)	TSSK6 (1.2)	ENSG00000256746 (1
C1QTNF4 (2.9)	ENSG00000182329 (2	MPP3 (2.5)	TDH (2.3)	EPB41L3 (2.3)
C2orf28 (2.5)	AFF1 (2.3)	CKAP5 (2.2)	CBLC (2.2)	NRBF2 (2.1)
G6PC3 (2.2)	DPYSL5 (2.1)	NSMAF (1.8)	MTF2 (1.8)	PTPMT1 (1.8)
TMEM214 (2.6)	PREB (2.5)	C2orf28 (2.1)	TMEM101 (1.9)	ZNF408 (1.9)
APOA4 (2.1)	EPB41L3 (1.9)	MPP3 (1.9)	MAPK10 (1.7)	ENSG00000255020 (1
C8orf49 (2.0)	CBLC (1.9)	KHK (1.8)	EPB41L3 (1.8)	COBLL1 (1.7)
TMEM175 (2.4)	KBTBD4 (2.1)	SUPT7L (2.0)	USP1 (1.9)	TMEM214 (1.8)
HAPLN4 (2.9)	SDCBP (2.8)	ATG4C (2.6)	MPV17 (2.3)	CCDC92 (2.3)
ENSG00000254235 (2	FAM167A (2.2)	LRP4 (2.0)	CASC4 (2.0)	FZD9 (1.8)
OST4 (4.3)	MTCH2 (4.1)	IMMT (3.6)	PTPMT1 (2.8)	C2orf28 (2.6)
MAU2 (3.3)	ZNF335 (3.0)	CELF1 (2.5)	GPN2 (2.4)	HDAC5 (2.4)
ENSG00000179523 (2	ENSG00000182329 (2	CGREF1 (2.4)	ENSG00000235545 (2	RFX4 (2.2)
TRNP1 (2.7)	REEP1 (2.6)	MPP3 (2.4)	RIC8B (2.2)	C1QTNF4 (2.0)
CELF1 (2.5)	PAFAH1B2 (2.4)	ZNF513 (2.4)	LSM12 (2.3)	BUD13 (2.2)
PIGV (2.2)	GPN2 (1.9)	PBX4 (1.9)	NSMAF (1.9)	CD300LG (1.8)
TECTB (2.2)	ENSG00000236827 (2	ENSG00000222035 (2	NRBF2 (1.8)	PYY (1.8)
TAGLN (3.1)	TECTB (2.6)	C17orf105 (2.4)	APOE (2.2)	MPP2 (2.2)
TDH (2.6)	ENSG00000255020 (2	FDFT1 (2.1)	ENSG00000179523 (1	PPIP5K1 (1.8)
TDH (2.6)	ENSG00000255020 (2	FDFT1 (2.1)	ENSG00000179523 (1	PPIP5K1 (1.8)
C19orf80 (1.8)	MAFF (1.7)	TRIB1 (1.7)	CASC4 (1.6)	TSSK6 (1.6)
SPG11 (2.1)	ENSG00000236267 (1	MRPL35 (1.9)	GPN1 (1.8)	NSMAF (1.7)
PPM1G (2.9)	NUP160 (2.9)	TOMM40 (2.9)	GATAD2A (2.9)	DHX38 (2.8)
DDB2 (4.6)	NUP160 (3.8)	CTDSPL2 (3.7)	CAD (2.9)	BAZ1B (2.7)
HAVCR1 (2.9)	ENSG00000222035 (2	CELF1 (2.7)	ENSG00000235545 (2	RFX4 (2.4)
KBTBD4 (2.9)	GTF3C2 (2.9)	BUD13 (2.5)	SUMO1 (2.5)	AMBRA1 (2.4)
TECTB (2.4)	DNAJC5G (1.9)	PPIP5K1 (1.7)	NAT2 (1.6)	C17orf105 (1.6)
ARID1A (2.6)	DR1 (2.5)	AMBRA1 (2.2)	SUMO1 (2.1)	PCIF1 (2.1)
BCL7B (2.3)	STRC (2.1)	DR1 (2.0)	ABO (2.0)	PAFAH1B2 (1.9)
WDR76 (2.5)	CKAP5 (2.5)	USP1 (2.5)	FEN1 (2.2)	CAD (2.2)
ZNF408 (2.1)	GATAD2A (2.0)	BCL7B (2.0)	ZNF259 (1.9)	DHX38 (1.8)
BCL7B (2.5)	CCDC121 (2.1)	C17orf105 (2.1)	C8orf12 (1.9)	BAZ1B (1.8)
SNX17 (2.7)	TMEM101 (2.5)	RSPO3 (2.4)	HDAC5 (2.2)	C11orf9 (2.1)
POLR1A (2.3)	SUGP1 (2.0)	GPN2 (1.9)	NUP160 (1.7)	ATP13A1 (1.7)
ENSG00000255020 (2	BRE (1.9)	SIDT2 (1.9)	C8orf12 (1.7)	NFE2L3 (1.6)
SUMO1 (2.8)	SUGP1 (2.5)	MRPL33 (2.5)	ENSG00000256746 (2	ZNF259 (2.1)
BCL3 (2.2)	FUT2 (2.2)	ENSG00000255020 (2	NFE2L3 (1.9)	ENSG00000182329 (1
MYBPC3 (1.9)	GATA4 (1.8)	CGREF1 (1.8)	C1QTNF4 (1.8)	CHMP3 (1.7)
MTF2 (2.9)	DDB2 (2.8)	MTCH2 (2.8)	PPM1G (2.4)	INTS10 (2.1)
ENSG00000255020 (2	PMFBP1 (2.0)	LINC00208 (2.0)	GATAD2A (2.0)	FNDC4 (1.9)

SLC30A3 (2.1)	GATAD2A (2.1)	PBX4 (2.1)	DOCK6 (2.0)	MAPRE3 (2.0)
TP53BP1 (2.4)	FADS2 (2.1)	MADD (2.1)	LINC00208 (2.0)	ARHGAP1 (1.8)
HDAC5 (2.8)	KBTBD4 (2.8)	TUBGCP4 (2.5)	CHMP3 (2.5)	NRBP1 (2.4)
BUD13 (2.3)	MFAP1 (2.2)	INTS10 (2.1)	MTF2 (2.1)	PCIF1 (1.9)
OST4 (3.1)	G6PC3 (3.0)	RBKS (2.9)	PDIA3 (2.8)	PREB (2.2)
NEIL2 (2.3)	FDFT1 (2.1)	PYY (2.0)	INTS10 (2.0)	GATA4 (1.9)
ENSG00000255020 (2	ENSG00000236267 (2	SFN (2.3)	ENSG00000256746 (2	TDH (2.0)
MFAP1 (2.5)	TP53BP1 (2.5)	BCL7B (2.5)	CKAP5 (2.4)	SUMO1 (2.4)
NFE2L3 (2.5)	MTF2 (2.4)	MRPL35 (2.4)	RBKS (2.0)	GPN2 (1.9)
NFE2L3 (2.5)	MTF2 (2.4)	MRPL35 (2.4)	RBKS (2.0)	GPN2 (1.9)
SUGP1 (2.7)	PCIF1 (2.5)	ZNF335 (2.4)	EIF2B4 (2.3)	KBTBD4 (2.3)
CKAP5 (2.6)	USP1 (2.5)	KBTBD4 (2.5)	NUP160 (2.3)	ZNF512 (2.3)
GPN1 (2.7)	ZNF335 (2.7)	CHMP3 (2.4)	MADD (2.2)	SUGP1 (2.2)
ENSG00000223745 (1	MPP2 (1.9)	DPYSL5 (1.8)	C8orf49 (1.8)	C1QTNF4 (1.7)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
TIMD4 (2.2)	STRC (2.1)	DNAH10 (2.0)	PGS1 (1.9)	CETP (1.8)
CKAP5 (2.5)	ZNF335 (2.5)	USP1 (2.5)	BUD13 (2.4)	KDM3A (2.3)
BUD13 (2.7)	TXNL4B (2.4)	GPN2 (2.3)	CTDSPL2 (2.3)	DHX38 (2.2)
NUP160 (3.0)	POLR1A (2.9)	ENSG00000179523 (2	EIF3J (2.7)	CAD (2.7)
NUP160 (3.0)	POLR1A (2.9)	ENSG00000179523 (2	EIF3J (2.7)	CAD (2.7)
KBTBD4 (3.2)	TXNL4B (3.1)	MTF2 (2.5)	MRPL35 (2.1)	BUD13 (2.1)
OST4 (4.4)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.8)
BLK (2.3)	SLC22A3 (2.1)	ENSG00000254235 (1	DNAH10 (1.9)	ENSG00000256731 (1
PPM1G (2.7)	TOMM40 (2.5)	ARFGAP2 (2.4)	PTCD3 (2.4)	SNX17 (2.3)
PLTP (2.3)	MAU2 (2.2)	DDB2 (1.9)	ZDHHC18 (1.8)	STRC (1.7)
ZDHHC18 (2.3)	NFE2L3 (2.1)	SFN (2.1)	CSGALNACT1 (1.8)	SIK3 (1.7)
C2orf28 (3.2)	SNX17 (3.0)	OST4 (3.0)	IMMT (2.9)	MRPL35 (2.8)
DHODH (2.7)	UBXN2B (2.6)	BRE (2.5)	MFAP1 (2.5)	TXNL4B (2.5)
TBL2 (2.9)	FUT1 (2.7)	TMEM214 (2.7)	TXNL4B (2.6)	ENSG00000200241 (2
LSM12 (2.6)	ARID1A (2.5)	GATAD2A (2.2)	PCIF1 (2.2)	AMBRA1 (2.1)
TMED5 (3.1)	PREB (2.9)	TBL2 (2.8)	TMEM101 (2.4)	EIF3J (2.4)
CKAP5 (2.5)	TRIM54 (2.5)	ENSG00000226645 (2	BAZ1B (2.3)	WDR76 (2.2)
ABO (2.6)	ENSG00000236827 (2	BNC2 (2.2)	IZUMO1 (2.1)	ENSG00000255020 (2
PBX4 (2.6)	ZNF513 (2.5)	LPAR2 (2.4)	GATAD2A (2.3)	CD300LG (2.0)
NR1H3 (2.1)	FAM167A (2.1)	ATG4C (1.6)	PREB (1.5)	TSSK6 (1.4)
TMEM101 (2.7)	MPV17 (2.6)	MRPL33 (2.6)	INTS10 (2.4)	HARBI1 (2.2)
SLC5A6 (3.0)	NCAN (2.8)	CGREF1 (2.8)	HAPLN4 (2.5)	ABHD1 (2.3)
MTCH2 (4.2)	OST4 (3.9)	IMMT (3.7)	C2orf28 (2.9)	PTPMT1 (2.7)
GPN2 (2.8)	CLPTM1 (2.6)	SNX17 (2.5)	ATG13 (2.4)	EIF2B4 (2.1)
TSSK6 (2.3)	C2orf53 (2.3)	UBXN2B (2.2)	LPA (2.0)	KHK (2.0)
DPYSL5 (2.6)	GATAD2A (2.4)	FEN1 (2.2)	USP1 (2.2)	MPP3 (2.1)
ABHD1 (2.0)	MADD (2.0)	PLTP (1.9)	TRNP1 (1.9)	CTSB (1.8)
CHMP3 (2.8)	REEP1 (2.6)	DPYSL5 (2.3)	DOCK7 (2.2)	ENSG00000257711 (2
OST4 (4.0)	PTPMT1 (3.4)	PTCD3 (3.0)	MTCH2 (2.1)	GPN1 (2.1)
RSPO3 (2.6)	RIC8B (2.1)	SIK3 (2.0)	MAP1A (2.0)	NCAN (1.9)

PLTP (2.5)	TMEM214 (2.3)	MAP1A (2.3)	PPIP5K1 (2.2)	HAPLN4 (2.2)
WDR76 (2.5)	GATAD2A (2.5)	KANK2 (2.2)	SUGP1 (2.2)	DDB2 (2.0)
KBTBD4 (2.9)	TUBGCP4 (2.7)	PAFAH1B2 (2.6)	SPG11 (2.5)	CTDSPL2 (2.5)
IZUMO1 (2.7)	IFT172 (2.5)	RSPO3 (2.3)	KRTCAP3 (1.9)	TMEM101 (1.9)
DDB2 (3.8)	MTCH2 (2.7)	NUP160 (2.6)	MTF2 (2.6)	CTDSPL2 (2.5)
USP1 (3.3)	PPIP5K1 (3.2)	MFAP1 (3.2)	WDR76 (3.1)	CKAP5 (3.1)
PTCD3 (3.3)	NRBP1 (3.3)	GPN1 (3.1)	SUPT7L (2.8)	ARHGAP1 (2.6)
ATG13 (2.0)	ENSG00000226645 (1	SUMO1 (1.7)	INTS10 (1.7)	GTF3C2 (1.7)
PTPRJ (2.1)	CCDC92 (2.0)	CMIP (1.7)	ATG4C (1.6)	GATAD2A (1.6)
TAGLN (3.4)	PACSIN3 (3.4)	SFN (3.1)	REEP1 (3.1)	DUSP3 (2.9)
BAZ1B (2.7)	NUP160 (2.6)	CTDSPL2 (2.5)	DDB2 (2.4)	MTF2 (2.1)
MTCH2 (2.9)	ENSG00000223745 (2	PPIP5K1 (2.3)	ACP2 (2.3)	CLPTM1 (2.1)
PMFBP1 (2.0)	ABO (2.0)	C1QTNF4 (1.8)	TDH (1.8)	CD300LG (1.8)
ENSG00000200241 (2	BLK (2.1)	ABO (2.0)	TDH (2.0)	PBX4 (1.9)
C2orf53 (3.2)	PYY (2.8)	FUT2 (2.8)	ENSG00000235545 (2	ABO (2.4)
CAD (2.3)	ATP13A1 (2.1)	PBX4 (2.1)	ZNF335 (2.0)	ARFGAP2 (1.8)
AMBRA1 (2.9)	GPN1 (2.7)	DR1 (2.6)	BAZ1B (2.6)	KBTBD4 (2.5)
CATSPER2 (2.5)	WDR76 (2.4)	C1orf172 (2.2)	BAZ1B (2.2)	CCDC121 (1.9)
ARHGAP1 (2.2)	MAFF (2.2)	RIC8B (2.1)	GMIP (2.0)	SNX17 (1.8)
MAU2 (3.2)	BAZ1B (3.1)	MTF2 (2.6)	LRP4 (2.2)	AMBRA1 (2.1)
MPP2 (3.0)	MPP3 (3.0)	CYP7A1 (2.4)	FNDC4 (2.4)	C1QTNF4 (2.1)
TECTB (2.3)	C17orf105 (2.1)	MAP1A (2.0)	C1QTNF4 (2.0)	MADD (1.8)
ENSG00000234945 (2	KLF14 (2.0)	C8orf12 (2.0)	CCDC121 (1.8)	CYP26A1 (1.7)
TUBGCP4 (3.1)	OST4 (2.8)	MRPL35 (2.6)	ENSG00000179523 (2	TMED5 (2.2)
C8orf12 (1.8)	NAGS (1.8)	PDIA3 (1.7)	FAM167A (1.7)	APOC1 (1.6)
POLR1A (2.6)	EIF2B4 (2.4)	MRPL33 (2.2)	NUP160 (2.1)	MPV17 (2.1)
ZNF335 (3.5)	TMEM101 (3.5)	SNX17 (3.3)	PCSK7 (3.1)	ZNF408 (2.9)
USP1 (3.3)	WDR76 (2.2)	TRIB1 (1.6)	AGBL5 (1.5)	BUD13 (1.3)
ENSG00000234945 (1	SDC1 (1.8)	RFX4 (1.8)	ENSG00000235545 (1	ENSG00000257711 (1
CTSB (2.2)	TMEM214 (2.1)	AGBL5 (2.0)	NRBP1 (1.9)	IZUMO1 (1.9)
OST4 (3.8)	CGREF1 (3.4)	ATG13 (3.3)	IFT172 (3.0)	HARBI1 (2.8)
EPB41L3 (2.1)	CHMP3 (2.0)	DOCK7 (2.0)	PAFAH1B2 (1.9)	MAP1A (1.5)
CCDC18 (2.2)	HARBI1 (2.1)	TUBGCP4 (2.1)	ENSG00000223522 (2	C11orf49 (1.9)
ANGPTL4 (2.1)	KANK2 (1.9)	MAPRE3 (1.9)	REEP1 (1.8)	MAU2 (1.8)
MPP2 (2.7)	BAZ1B (2.6)	PPIP5K1 (2.5)	CCDC18 (2.3)	JMJD1C (2.2)
HAPLN4 (2.7)	EMILIN1 (2.5)	CMIP (2.3)	REEP3 (2.0)	SIDT2 (2.0)
TSSK6 (2.1)	C17orf105 (2.1)	BUD13 (1.6)	ENSG00000222035 (1	FUT2 (1.6)
USP1 (4.0)	WDR76 (3.1)	NUP160 (2.6)	CTDSPL2 (2.3)	DDB2 (2.0)
TP53BP1 (2.7)	CCDC18 (2.6)	PPM1G (2.6)	SUMO1 (2.5)	DR1 (2.4)
NRBF2 (2.8)	GTF3C2 (2.6)	LSM12 (2.6)	PCIF1 (2.5)	GPN1 (2.5)
SLC5A6 (2.3)	MPV17 (2.2)	BUD13 (2.1)	RIC8B (2.0)	MRPL33 (2.0)
MTCH2 (4.2)	IMMT (3.6)	PTPMT1 (3.2)	OST4 (3.0)	C2orf28 (2.3)
TECTB (2.7)	SOST (2.6)	CYP26A1 (2.5)	ENSG00000253379 (2	DPYSL5 (1.9)
DDB2 (4.0)	CTDSPL2 (3.2)	MTF2 (3.1)	NUP160 (3.0)	ZNF512 (2.8)
HDAC5 (1.7)	ENSG00000222035 (1	ENSG00000256731 (1	KLF14 (1.6)	REEP1 (1.6)
KANK2 (2.7)	CCDC92 (2.6)	DUSP3 (2.5)	PBX4 (2.4)	MAP1A (2.3)
WDR76 (2.0)	TUBGCP4 (2.0)	EIF3J (1.9)	PLA2G6 (1.9)	ENSG00000253379 (1
ARFGAP2 (2.6)	SNX17 (2.6)	KBTBD4 (2.6)	C2orf28 (2.4)	MTCH2 (2.4)
USP1 (3.4)	SPG11 (2.7)	ZNF512 (2.6)	CTDSPL2 (2.6)	BAZ1B (2.5)
FRMD5 (2.5)	TRIB1 (2.4)	FUT1 (2.3)	IZUMO1 (1.8)	FZD9 (1.8)

DR1 (2.5)	PCIF1 (2.4)	ARID1A (2.4)	GATAD2A (2.1)	BAZ1B (2.1)
AMBRA1 (1.8)	C17orf105 (1.8)	KANK2 (1.8)	TSSK6 (1.7)	TP53BP1 (1.7)
HP (2.4)	ENSG00000182329 (2	TIMD4 (2.1)	TDH (2.0)	CETP (1.7)
ENSG00000234945 (2	MAPRE3 (1.9)	SDCBP (1.8)	TSSK6 (1.8)	FAM167A (1.7)
PBX4 (2.3)	SLC5A6 (2.2)	GALNT2 (2.2)	ANGPTL3 (2.1)	CSGALNACT1 (2.1)
SFN (2.7)	TMEM101 (2.3)	NSMAF (2.0)	C1orf172 (2.0)	PAFAH1B2 (1.7)
FRMD5 (2.3)	BNC2 (2.1)	TSSK6 (1.9)	NEIL2 (1.9)	C1orf172 (1.9)
JMJD1C (2.2)	CKAP5 (2.0)	PCIF1 (1.9)	BAZ1B (1.7)	WDR76 (1.7)
C1QTNF4 (1.7)	PTPMT1 (1.6)	TUBGCP4 (1.6)	PMFBP1 (1.6)	MPP3 (1.6)
PDIA3 (2.4)	PPM1G (2.3)	MTCH2 (2.1)	TOMM40 (2.1)	CITED2 (2.0)
STRC (2.7)	NEIL2 (2.7)	LINC00208 (2.6)	REEP1 (2.4)	KLF14 (2.1)
DNAH10 (2.1)	ENSG00000235545 (2	RIC8B (2.0)	PYY (1.8)	ENSG00000256746 (1
SUMO1 (2.3)	USP1 (2.3)	KDM3A (2.1)	NUP160 (2.0)	MTF2 (1.9)
SUMO1 (2.3)	USP1 (2.3)	KDM3A (2.1)	NUP160 (2.0)	MTF2 (1.9)
SUMO1 (2.3)	USP1 (2.3)	KDM3A (2.1)	NUP160 (2.0)	MTF2 (1.9)
SLC30A3 (2.3)	BNC2 (2.2)	SLC22A3 (2.2)	ENSG00000256731 (2	NRBP1 (2.0)
MTF2 (3.4)	WDR76 (3.1)	TUBGCP4 (2.7)	NUP160 (2.7)	DDB2 (2.7)
TUBGCP4 (2.0)	ENSG00000254235 (2	SLC30A3 (1.8)	ENSG00000182319 (1	AGBL2 (1.7)
ENSG00000235545 (2	C2orf53 (2.5)	ABO (2.4)	ENSG00000222035 (2	PPY (2.1)
TMEM101 (2.8)	SPG11 (2.6)	MPV17 (2.6)	G6PC3 (2.5)	ENSG00000256746 (2
BUD13 (2.4)	SUMO1 (2.4)	JMJD1C (2.2)	KDM3A (2.2)	MTF2 (2.2)
ABO (2.4)	MTMR9 (2.2)	MADD (2.1)	HDAC5 (2.0)	SPG11 (1.9)
PMFBP1 (2.0)	C2orf53 (1.9)	TDH (1.9)	SLC22A3 (1.9)	KLF14 (1.8)
PMFBP1 (2.0)	C2orf53 (1.9)	TDH (1.9)	SLC22A3 (1.9)	KLF14 (1.8)
MPP2 (1.9)	PLA2G6 (1.9)	DPYSL5 (1.8)	MADD (1.7)	HDAC5 (1.7)
ENSG00000236827 (2	PMFBP1 (2.6)	ENSG00000235545 (1	TSSK6 (1.7)	C2orf53 (1.7)
ENSG00000182329 (2	TM6SF2 (2.3)	KLF14 (2.1)	C2orf53 (2.1)	TRNP1 (2.1)
TECTB (2.2)	DDB2 (2.0)	GATA4 (1.9)	CMIP (1.9)	NEIL2 (1.8)
CILP2 (2.2)	SDC1 (2.0)	SOST (2.0)	CYP26A1 (1.9)	CCDC121 (1.9)
CILP2 (2.2)	SDC1 (2.0)	SOST (2.0)	CYP26A1 (1.9)	CCDC121 (1.9)
ABO (3.0)	DNAH10 (2.6)	TSSK6 (2.0)	C8orf12 (2.0)	PMFBP1 (1.8)
NEIL2 (2.2)	ENSG00000255020 (2	DDB2 (2.1)	PBX4 (1.7)	BLK (1.7)
NCAN (2.6)	BCAM (2.6)	CATSPER2 (2.5)	CLPTM1 (2.5)	PPIP5K1 (2.3)
AGBL5 (3.6)	CCDC18 (3.5)	RBKS (3.5)	TMEM175 (3.3)	IFT172 (3.3)
HARBI1 (2.3)	SDCBP (2.3)	COBLL1 (2.0)	MAU2 (1.7)	PLA2G6 (1.7)
USP1 (4.3)	NUP160 (3.3)	CTDSPL2 (3.2)	MFAP1 (2.5)	BAZ1B (2.4)
OST4 (4.3)	MTCH2 (4.0)	IMMT (3.9)	PTPMT1 (3.1)	C2orf28 (2.8)
NRBF2 (2.0)	CCDC18 (2.0)	MRPL33 (1.9)	UCN (1.9)	RSPO3 (1.8)
NCAN (3.0)	CMIP (2.3)	ENSG00000182329 (2	MPP3 (2.0)	ENSG00000182319 (2
MPP3 (2.4)	FUT1 (2.3)	CHMP3 (2.1)	FAM167A (2.0)	MAPRE3 (1.9)
PREB (2.9)	ARFGAP2 (2.6)	ZNF512 (2.5)	NRBP1 (2.5)	ENSG00000256731 (2
USP1 (4.0)	WDR76 (3.3)	NUP160 (2.7)	CAD (2.5)	POLR1A (2.4)
NUP160 (3.5)	DDB2 (3.2)	BAZ1B (3.2)	CTDSPL2 (2.7)	PPM1G (2.7)
APOE (2.5)	PCSK7 (2.3)	MAP1A (2.3)	CTSB (2.2)	NCAN (2.0)
NEIL2 (3.2)	ENSG00000255020 (3	FNDC4 (2.8)	ATG13 (2.6)	NSMAF (2.4)
C2orf53 (2.1)	NFE2L3 (2.0)	NEIL2 (2.0)	ENSG00000255020 (1	MRPL33 (1.8)
NOP58 (2.6)	TAGLN (2.4)	DUSP3 (2.4)	DNAJC5G (2.2)	NCAN (2.2)
TDH (1.9)	ENSG00000223745 (1	ENSG00000182329 (1	REEP1 (1.8)	ABHD1 (1.6)
TIMD4 (1.9)	LPAR2 (1.9)	ZDHHC18 (1.8)	ACP2 (1.7)	NRBF2 (1.6)
HAVCR1 (2.5)	TXNL4B (2.4)	ENSG00000255020 (2	LPAR2 (2.1)	PAFAH1B2 (1.9)

TMEM101 (2.8)	TMEM175 (2.6)	PLA2G6 (2.1)	ATG4C (2.1)	ENSG00000234945 (2
SUPT7L (1.8)	SUMO1 (1.7)	FAM167A (1.7)	AFF1 (1.6)	PTPRJ (1.6)
SUPT7L (1.8)	SUMO1 (1.7)	FAM167A (1.7)	AFF1 (1.6)	PTPRJ (1.6)
BRE (2.8)	PACSIN3 (2.6)	TXNL4B (2.5)	IMMT (2.4)	ATG13 (2.4)
CTDSPL2 (4.1)	USP1 (3.7)	DDB2 (3.5)	MFAP1 (3.3)	SPG11 (3.3)
CTDSPL2 (4.1)	USP1 (3.7)	DDB2 (3.5)	MFAP1 (3.3)	SPG11 (3.3)
BCL7B (2.8)	DDB2 (2.5)	USP1 (2.5)	PCIF1 (2.3)	NUP160 (2.2)
CD300LG (1.8)	KLF14 (1.7)	PPY (1.7)	PMFBP1 (1.7)	TDH (1.7)
OST4 (2.0)	MPP2 (1.8)	C19orf80 (1.7)	ARHGAP1 (1.7)	C11orf9 (1.7)
DDB2 (3.2)	CTDSPL2 (3.1)	BAZ1B (3.1)	NUP160 (2.8)	MTF2 (2.5)
ZNF335 (3.3)	IMMT (2.9)	GPN1 (2.8)	CAD (2.8)	ARFGAP2 (2.6)
DDB2 (4.7)	CTDSPL2 (4.2)	NUP160 (3.9)	BAZ1B (3.0)	CAD (2.4)
PTPMT1 (2.6)	MTCH2 (2.2)	TOMM40 (2.2)	OST4 (2.1)	RIC8B (2.0)
COBLL1 (2.0)	STRC (1.9)	KLF14 (1.8)	FAM167A (1.8)	TRIB1 (1.8)
TDH (1.4)	ABHD1 (1.3)	BUD13 (1.3)	ENSG00000256746 (1	KDM3A (1.2)
RSPO3 (2.4)	LPAR2 (2.3)	TSSK6 (2.3)	ABHD1 (2.2)	CATSPER2 (2.1)
RIC8B (2.1)	FGF21 (2.1)	MPP2 (2.1)	MAPRE3 (2.1)	MPP3 (2.0)
HARBI1 (2.7)	ATG4C (2.5)	TP53BP1 (2.2)	NEIL2 (1.9)	BNC2 (1.8)
MPP2 (2.2)	PBX4 (2.1)	COBLL1 (2.0)	CSGALNACT1 (1.8)	MAPK10 (1.8)
UCN (2.4)	KLF14 (2.3)	REEP1 (2.2)	LRP4 (2.2)	C11orf49 (1.9)
OST4 (4.5)	MTCH2 (3.9)	IMMT (3.6)	PTPMT1 (3.2)	C2orf28 (2.9)
PCSK7 (2.3)	ABO (2.1)	C11orf9 (2.0)	MAP1A (2.0)	PAFAH1B2 (1.9)
CMIP (2.3)	PLA2G6 (2.3)	C11orf9 (2.2)	MPP3 (2.2)	BRE (2.0)
MPP2 (2.3)	TSSK6 (2.2)	C8orf12 (1.9)	DPYSL5 (1.9)	TP53BP1 (1.8)
CILP2 (2.4)	ENSG00000182319 (2	TRIM54 (1.8)	KANK2 (1.6)	PBX4 (1.5)
KLF14 (2.0)	MPP3 (1.8)	ENSG00000253379 (1	TMEM101 (1.8)	CCDC121 (1.7)
HARBI1 (2.3)	ENSG00000226645 (2	ZNF513 (2.0)	SUMO1 (2.0)	GTF3C2 (1.8)
PTPRJ (2.3)	SIDT2 (2.3)	CHMP3 (2.2)	COBLL1 (2.1)	TAGLN (1.8)
ATG4C (2.7)	REEP1 (2.6)	FZD9 (2.3)	DPYSL5 (2.2)	PYY (2.2)
MRPL35 (2.7)	STRC (2.6)	TUBGCP4 (2.5)	PTPMT1 (2.5)	TMEM101 (2.4)
BCAM (2.8)	PPIP5K1 (2.7)	CLPTM1 (2.6)	C2orf28 (2.3)	G6PC3 (2.1)
GPN1 (2.2)	ENSG00000200241 (2	USP1 (1.8)	C17orf105 (1.8)	ZNF512 (1.7)
IGF2R (2.0)	SLC22A3 (2.0)	HAPLN4 (1.8)	REEP1 (1.7)	FZD9 (1.6)
MRPL35 (4.3)	MTCH2 (3.9)	IMMT (3.8)	C2orf28 (2.6)	PPIP5K1 (2.3)
CHMP3 (2.6)	REEP1 (2.2)	ENSG00000182319 (2	KANK2 (1.9)	C11orf9 (1.9)
SUGP1 (2.7)	ARFGAP2 (2.7)	IFT172 (2.3)	C11orf49 (2.2)	BAZ1B (2.0)
OST4 (4.4)	MTCH2 (3.8)	IMMT (3.4)	PTPMT1 (3.1)	C2orf28 (2.6)
BCAM (2.6)	TECTB (2.5)	ATG4C (2.3)	ENSG00000222035 (2	MPP3 (2.0)
ARFGAP2 (2.5)	CASC4 (2.4)	PPM1G (2.3)	SUGP1 (2.2)	BRE (2.0)
ENSG00000222035 (2	ENSG00000256731 (2	ENSG00000200241 (2	KLF14 (2.2)	MAMSTR (2.2)
TSSK6 (2.1)	MAP1A (1.9)	CITED2 (1.9)	C1QTNF4 (1.9)	TRIB1 (1.9)
BMPR2 (2.0)	TUBGCP4 (2.0)	OST4 (1.9)	EIF3J (1.9)	ARID1A (1.7)
C2orf53 (2.6)	ENSG00000255020 (2	SFN (2.4)	ENSG00000256746 (2	TDH (2.1)
TMEM101 (3.3)	PIGV (3.1)	PCSK7 (3.0)	CATSPER2 (2.9)	ENSG00000223522 (2
CTSB (2.2)	NFE2L3 (1.9)	REEP3 (1.9)	CGREF1 (1.9)	TMED5 (1.8)
TMEM101 (2.3)	C2orf28 (2.1)	MPV17 (2.1)	G6PC3 (2.0)	SIDT2 (2.0)
BCL7B (2.1)	MAP1A (2.0)	PCSK7 (1.9)	CCDC92 (1.8)	C11orf9 (1.7)
BAZ1B (2.7)	BUD13 (2.7)	C11orf49 (2.6)	CKAP5 (2.5)	UBXN2B (2.5)
PREB (2.8)	ZNF512 (2.6)	ARFGAP2 (2.6)	SUMO1 (2.5)	NRBP1 (2.4)
TXNL4B (2.2)	CITED2 (2.2)	ENSG00000222035 (2	ATP13A1 (2.0)	DHODH (2.0)

TDH (2.4)	TMEM101 (2.2)	ENSG00000182319 (2	PTPN13 (2.1)	ENSG00000222035 (2
HAVCR1 (2.1)	IGF2R (2.0)	PDIA3 (1.9)	NR1H3 (1.8)	LINC00208 (1.7)
ZNF335 (2.9)	DOCK6 (2.4)	ATG4C (2.3)	SIK3 (2.2)	RASIP1 (2.2)
LRP4 (2.3)	COBLL1 (2.2)	BCAM (2.2)	TSSK6 (2.1)	DNAH10 (2.1)
PAFAH1B2 (2.4)	CSGALNACT1 (2.4)	MAPK10 (2.3)	ENSG00000256731 (2	KLF14 (1.9)
BAZ1B (2.1)	TSSK6 (2.1)	LRP4 (1.9)	WDR76 (1.7)	SNX17 (1.7)
ATG13 (2.2)	ABO (1.9)	CITED2 (1.8)	C2orf53 (1.8)	ATP13A1 (1.7)
OST4 (2.7)	MAU2 (2.6)	POLR1A (2.5)	DHODH (2.2)	BUD13 (2.0)
MYBPC3 (2.1)	UCN (2.0)	ZNF664 (2.0)	KLF14 (1.9)	ENSG00000257711 (1
DDB2 (3.6)	NUP160 (3.4)	BAZ1B (2.5)	CTDSPL2 (2.3)	GPN1 (2.1)
ENSG00000222035 (2	ENSG00000223522 (2	FRMD5 (2.0)	TRNP1 (1.9)	SUMO1 (1.8)
DDB2 (3.0)	MTCH2 (2.9)	MTF2 (2.5)	PPM1G (2.3)	NFE2L3 (2.0)
PDIA3 (3.3)	ATG13 (3.3)	TBL2 (3.3)	CGREF1 (3.1)	OST4 (2.6)
PAFAH1B2 (2.4)	NRBP1 (2.4)	CCDC18 (2.2)	CTDSPL2 (2.1)	MPV17 (2.0)
FUT2 (2.3)	MPV17 (2.2)	SIDT2 (2.1)	OST4 (1.8)	DOCK7 (1.8)
RSPO3 (1.6)	UBXN2B (1.6)	FNDC4 (1.6)	JMJD1C (1.6)	ENSG00000256746 (1
SLC22A3 (3.2)	HAPLN4 (2.6)	MAMSTR (2.2)	MAP1A (2.1)	KANK2 (2.0)
TMEM175 (2.3)	RSPO3 (2.2)	CYP26A1 (2.2)	G6PC3 (2.0)	GTF3C2 (2.0)
PMFBP1 (3.8)	IZUMO1 (3.4)	ENSG00000234945 (2	AGBL5 (2.4)	TBL2 (2.1)
PIGV (2.0)	SPG11 (2.0)	MAMSTR (2.0)	PBX4 (1.7)	DR1 (1.7)
PCIF1 (2.1)	KDM3A (2.1)	TP53BP1 (2.1)	BCL7B (2.0)	CTDSPL2 (1.9)
PBX4 (2.0)	PCSK7 (1.9)	ENSG00000234945 (1	NR1H3 (1.8)	NFE2L3 (1.8)
ABO (2.4)	UCN (2.2)	FGF21 (2.0)	ENSG00000226645 (2	ENSG00000182329 (1
ABO (2.4)	UCN (2.2)	FGF21 (2.0)	ENSG00000226645 (2	ENSG00000182329 (1
ABO (2.4)	UCN (2.2)	FGF21 (2.0)	ENSG00000226645 (2	ENSG00000182329 (1
HAVCR1 (2.1)	EPB41L3 (2.1)	CATSPER2 (2.0)	MRPL35 (1.4)	CHMP3 (1.4)
LSM12 (2.2)	MPP2 (2.2)	ARFGAP2 (2.1)	IGF2R (2.0)	NRBF2 (2.0)
LSM12 (2.2)	MPP2 (2.2)	ARFGAP2 (2.1)	IGF2R (2.0)	NRBF2 (2.0)
OST4 (3.5)	CGREF1 (3.3)	IFT172 (3.2)	ATG13 (2.8)	PDIA3 (2.7)
SUPT7L (2.7)	GPN2 (2.6)	BRE (2.5)	AFF1 (2.5)	NRBF2 (2.4)
KANK2 (3.2)	REEP1 (2.9)	TAGLN (2.9)	MYBPC3 (2.4)	DUSP3 (2.4)
SPG11 (2.8)	TXNL4B (2.6)	ENSG00000179523 (2	EIF3J (2.4)	HARBI1 (2.4)
CTDSPL2 (4.0)	NUP160 (3.7)	USP1 (3.6)	MFAP1 (2.9)	MTF2 (2.8)
ENSG00000179523 (2	POLR1A (2.0)	ATG4C (2.0)	C17orf105 (2.0)	GALNT2 (2.0)
MAMSTR (2.0)	CASC4 (2.0)	KANK2 (1.9)	FUT1 (1.8)	PAFAH1B2 (1.7)
PTPRJ (2.2)	TMED5 (2.1)	NCAN (2.1)	NFE2L3 (1.9)	CTSB (1.9)
BCAM (2.6)	TMEM175 (2.2)	FAM167A (2.0)	ATG4C (1.9)	IGF2R (1.9)
MTMR9 (2.3)	MADD (2.0)	CKAP5 (1.9)	ZNF259 (1.9)	ZNF512 (1.9)
C1QTNF4 (2.0)	TSSK6 (1.8)	ENSG00000182329 (1	ENSG00000223745 (1	MPP3 (1.7)
PVRL2 (2.1)	CMIP (1.9)	ARHGAP1 (1.9)	CASC4 (1.8)	IGF2R (1.7)
TDH (2.3)	ENSG00000223745 (2	ABHD1 (2.1)	TXNL4B (1.9)	CBLC (1.8)
DPYSL5 (3.0)	FADS2 (3.0)	LRP4 (3.0)	FADS1 (2.6)	ENSG00000253379 (2
AGBL2 (2.3)	DPYSL5 (2.3)	ENSG00000223522 (2	ABO (2.1)	ENSG00000254235 (1
PACSIN3 (3.9)	GATA4 (3.1)	PLTP (2.9)	NDUFS3 (2.4)	IMMT (2.2)
ENSG00000253379 (2	ENSG00000223522 (2	CYP26A1 (1.9)	LRP4 (1.8)	CCDC121 (1.7)
BUD13 (2.2)	EIF3J (2.1)	RIC8B (2.0)	BAZ1B (1.9)	INTS10 (1.8)
CCDC18 (2.6)	PPIP5K1 (2.6)	MTCH2 (2.4)	TUBGCP4 (2.0)	ENSG00000222035 (2
PCSK7 (2.3)	ZDHHC18 (2.0)	PGS1 (1.6)	SIK3 (1.6)	DNAJC5G (1.6)
PLTP (2.4)	CTSB (2.1)	NFE2L3 (1.9)	TP53BP1 (1.7)	CYP7A1 (1.6)
NUP160 (2.3)	TAGLN (2.2)	MYBPC3 (2.2)	REEP1 (2.1)	JMJD1C (2.1)

NSMAF (3.4)	PTPRJ (2.9)	MTMR9 (2.8)	GATA4 (2.8)	C8orf49 (2.7)
MAP1A (2.8)	C1QTNF4 (2.7)	ABO (2.5)	MPP2 (2.5)	CCDC92 (2.1)
FZD9 (2.7)	MAPRE3 (2.5)	PPIP5K1 (2.2)	CCDC92 (2.1)	MADD (2.0)
INTS10 (2.5)	DNAJC5G (2.4)	RIC8B (2.2)	TUBGCP4 (2.1)	WDR76 (2.0)
TMEM101 (2.0)	PPIP5K1 (2.0)	FEN1 (1.8)	HAVCR1 (1.8)	NDUFS3 (1.8)
EPB41L3 (2.1)	GATA4 (2.0)	REEP3 (1.9)	AFF1 (1.9)	NRBP1 (1.8)
ENSG00000223522 (2	EMILIN1 (2.2)	ANGPTL3 (2.0)	PYY (2.0)	CGREF1 (1.8)
ARHGAP1 (1.8)	ATG4C (1.7)	ZNF513 (1.6)	SOST (1.6)	KANK2 (1.5)
OST4 (4.4)	IMMT (3.9)	MTCH2 (3.9)	PTPMT1 (3.0)	C2orf28 (3.0)
LRP4 (3.0)	MTMR9 (2.7)	PTPN13 (2.7)	MAP1A (2.6)	EPB41L3 (2.4)
OST4 (4.4)	MTCH2 (3.8)	IMMT (3.6)	PTPMT1 (3.0)	C2orf28 (3.0)
OST4 (4.3)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (3.0)
BRE (2.2)	C8orf12 (1.9)	PCSK7 (1.7)	SIDT2 (1.7)	ENSG00000255020 (1
MTF2 (3.6)	DDB2 (3.4)	CTDSPL2 (3.2)	NUP160 (3.0)	BAZ1B (2.9)
MAPK10 (2.2)	ENSG00000254235 (2	CITED2 (1.9)	NFE2L3 (1.8)	ENSG00000256731 (1
BLK (1.9)	ENSG00000235545 (1	RBKS (1.8)	ZNF408 (1.6)	ZDHHC18 (1.6)
SPG11 (3.1)	EIF2B4 (3.1)	PTCD3 (3.0)	FGF21 (2.8)	ZNF259 (2.8)
ENSG00000255020 (2	TIMD4 (1.7)	RBKS (1.6)	CSGALNACT1 (1.6)	SLC5A6 (1.5)
ENSG00000234945 (2	TMEM175 (2.2)	ENSG00000223522 (2	RBKS (1.9)	NAT2 (1.9)
EIF2B4 (2.4)	ZNF259 (2.4)	CAD (2.3)	SUGP1 (2.3)	EIF3J (2.2)
IZUMO1 (2.1)	ENSG00000226645 (2	ZNF513 (1.9)	ENSG00000256746 (1	COBLL1 (1.9)
ENSG00000222035 (2	BCL7B (2.6)	ABO (2.2)	PAFAH1B2 (2.2)	C2orf16 (2.0)
GALNT2 (1.7)	FGF21 (1.6)	ENSG00000236827 (1	ENSG00000256746 (1	ATG4C (1.4)
TMEM175 (2.1)	DNAH10 (1.7)	USP1 (1.7)	LINC00208 (1.6)	ENSG00000256731 (1
TECTB (2.2)	ENSG00000255020 (2	REEP1 (2.0)	MAPK10 (1.9)	ENSG00000182329 (1
REEP3 (3.3)	GALNT2 (2.8)	TMEM214 (2.5)	IGF2R (2.5)	ENSG00000226645 (2
ENSG00000257711 (2	CITED2 (2.1)	RIC8B (2.0)	FRMD5 (1.8)	BMPR2 (1.7)
PCIF1 (2.1)	C11orf49 (2.0)	C8orf12 (1.9)	ARID1A (1.8)	C11orf9 (1.8)
NR0B2 (1.7)	FRMD5 (1.6)	TMED5 (1.5)	PVRL2 (1.4)	TSSK6 (1.4)
MRPL35 (4.3)	IMMT (3.8)	MTCH2 (3.3)	PPIP5K1 (2.7)	MYBPC3 (1.9)
KANK2 (2.5)	DUSP3 (2.4)	KRTCAP3 (2.0)	AGBL5 (2.0)	TRNP1 (1.9)
ATG13 (3.3)	HARBI1 (2.9)	CGREF1 (2.8)	OST4 (2.7)	PDIA3 (2.6)
LINC00208 (2.8)	MYBPC3 (2.7)	FZD9 (2.5)	IGF2R (2.4)	FRMD5 (2.3)
ENSG00000257711 (1	STRC (1.7)	MAMSTR (1.7)	FUT2 (1.7)	AGBL2 (1.7)
MTCH2 (2.8)	CAD (2.6)	GPAM (2.3)	ABHD1 (2.2)	G6PC3 (2.1)
PMFBP1 (1.6)	ABHD1 (1.5)	TAGLN (1.4)	CMIP (1.3)	DPYSL5 (1.2)
DOCK7 (1.7)	DUSP3 (1.7)	C8orf12 (1.6)	KANK2 (1.6)	FRMD5 (1.5)
BNC2 (2.4)	CTSB (2.4)	C1QTNF4 (2.3)	PTPMT1 (2.3)	KLF14 (2.2)
CTDSPL2 (4.4)	DDB2 (4.4)	NUP160 (3.4)	BAZ1B (3.2)	MFAP1 (2.7)
CTDSPL2 (4.4)	DDB2 (4.4)	NUP160 (3.4)	BAZ1B (3.2)	MFAP1 (2.7)
RFX4 (2.4)	ENSG00000236827 (2	NCAN (2.0)	COBLL1 (2.0)	SOST (1.8)
CTDSPL2 (2.8)	SUGP1 (2.7)	INTS10 (2.6)	MRPL33 (2.6)	MFAP1 (2.4)
PPIP5K1 (2.6)	IZUMO1 (2.5)	STRC (2.5)	MAP1A (2.4)	CCDC18 (2.1)
MTCH2 (2.9)	SNX17 (2.6)	PTCD3 (2.1)	EIF2B4 (1.9)	PPIP5K1 (1.9)
PPY (2.5)	TMEM214 (2.5)	NCAN (2.2)	TBL2 (2.1)	HAPLN4 (2.1)
C8orf49 (2.5)	RASIP1 (2.2)	PMFBP1 (2.1)	C2orf16 (2.0)	PTPMT1 (1.9)
TAGLN (3.4)	CHMP3 (2.9)	SDCBP (2.7)	SDC1 (2.6)	PAFAH1B2 (2.6)
FZD9 (2.4)	NCAN (2.2)	ENSG00000235545 (2	LRP4 (2.1)	REEP3 (2.1)
OST4 (3.6)	IMMT (3.6)	MTCH2 (3.1)	C2orf28 (2.4)	C2orf16 (2.1)
BUD13 (2.8)	RIC8B (2.8)	MRPL33 (2.5)	DR1 (2.5)	POLR1A (2.4)

OST4 (4.4)	MTCH2 (3.8)	IMMT (3.8)	PTPMT1 (2.9)	C2orf28 (2.7)
SOST (3.8)	DNAH10 (2.5)	EMILIN1 (2.3)	EPB41L3 (2.2)	TRIM54 (2.2)
BCL7B (2.5)	SUGP1 (2.3)	DR1 (2.3)	BAZ1B (2.3)	GATAD2A (2.2)
GALNT2 (2.2)	MAPK10 (2.2)	SLC30A3 (2.1)	SNX17 (2.1)	PTPN13 (2.0)
ENSG00000256746 (2	REEP3 (2.4)	UBXN2B (2.4)	C8orf12 (2.3)	STRC (2.2)
SPG11 (2.6)	TP53BP1 (2.5)	ENSG00000223522 (2	AGBL2 (2.1)	C2orf16 (2.1)
MAMSTR (1.8)	PDIA3 (1.8)	MAP1A (1.8)	SDC1 (1.7)	RSPO3 (1.5)
RSPO3 (2.6)	TP53BP1 (2.5)	MAPK10 (2.3)	NCAN (2.3)	MPP2 (2.2)
ENSG00000236827 (2	PTPMT1 (2.1)	MTCH2 (2.1)	GPAM (1.9)	PTCD3 (1.9)
DDB2 (3.1)	NUP160 (2.7)	CTDSPL2 (1.8)	BAZ1B (1.7)	TUBGCP4 (1.7)
PLA2G6 (2.0)	ATG13 (1.7)	SIK3 (1.5)	ENSG00000253379 (1	HARBI1 (1.4)
AGBL2 (2.6)	TP53BP1 (2.3)	BUD13 (2.2)	ATG4C (2.1)	INTS10 (2.1)
RIC8B (2.1)	AGBL5 (2.0)	CHMP3 (1.9)	KDM3A (1.8)	SUMO1 (1.8)
PYY (1.8)	SLC22A3 (1.8)	LINC00208 (1.7)	PMFBP1 (1.6)	MPP2 (1.6)
JMJD1C (2.1)	CYP26A1 (2.0)	ENSG00000235545 (1	LRP4 (1.6)	REEP3 (1.6)
SUPT7L (2.9)	DDB2 (2.6)	SPG11 (2.2)	TUBGCP4 (2.2)	CTDSPL2 (2.2)
FUT1 (2.0)	FEN1 (1.9)	MRPL35 (1.5)	IGF2R (1.5)	HAPLN4 (1.5)
FUT1 (2.0)	FEN1 (1.9)	MRPL35 (1.5)	IGF2R (1.5)	HAPLN4 (1.5)
OST4 (4.1)	MTCH2 (4.0)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
LPAL2 (1.8)	AGBL2 (1.7)	ATP13A1 (1.6)	TMEM175 (1.6)	TMED5 (1.6)
PLA2G6 (1.9)	MPP3 (1.8)	PGS1 (1.8)	ZNF335 (1.8)	KBTBD4 (1.7)
ATG13 (2.3)	CHMP3 (2.2)	PDIA3 (2.0)	BCL3 (2.0)	UBXN2B (2.0)
TRNP1 (2.1)	BCL7B (2.0)	SNX17 (2.0)	ZDHHC18 (1.9)	ENSG00000255020 (1
PLA2G6 (2.2)	MAFF (1.9)	DUSP3 (1.8)	CD300LG (1.8)	DDB2 (1.8)
TUBGCP4 (3.8)	BAZ1B (3.8)	USP1 (3.3)	DDB2 (3.1)	CKAP5 (3.0)
EIF2B4 (3.7)	NDUFS3 (3.6)	TUBGCP4 (3.2)	PTCD3 (3.2)	MRPL35 (3.0)
FZD9 (2.7)	TP53BP1 (2.0)	FRMD5 (2.0)	KLF14 (1.9)	CILP2 (1.8)
DHODH (2.1)	PLA2G6 (2.1)	FRMD5 (2.0)	PCSK7 (1.9)	STRC (1.8)
PIGV (1.9)	ENSG00000222035 (1	IZUMO1 (1.6)	LINC00208 (1.6)	ZDHHC18 (1.4)
WDR76 (3.2)	USP1 (3.1)	DNAJC5G (2.1)	CATSPER2 (1.8)	SIDT2 (1.7)
TRNP1 (2.1)	ENSG00000257711 (2	TECTB (1.8)	MAMSTR (1.7)	CETP (1.6)
KLF14 (2.3)	LRP4 (2.2)	C2orf53 (2.0)	RSPO3 (1.9)	ENSG00000223522 (1
FRMD5 (2.4)	DUSP3 (1.9)	MPP3 (1.8)	CGREF1 (1.5)	CD300LG (1.5)
ENSG00000222035 (1	ENSG00000200241 (1	LRP4 (1.7)	FUT2 (1.7)	C8orf12 (1.7)
MRPL35 (3.3)	PPIP5K1 (2.4)	ENSG00000200241 (2	PGS1 (2.2)	IMMT (2.1)
MRPL35 (3.3)	PPIP5K1 (2.4)	ENSG00000200241 (2	PGS1 (2.2)	IMMT (2.1)
MFAP1 (3.1)	DHODH (3.0)	CTDSPL2 (3.0)	BAZ1B (3.0)	SPG11 (2.8)
KLF14 (1.8)	PMFBP1 (1.7)	TDH (1.7)	MPP3 (1.7)	PPY (1.7)
NUP160 (2.2)	BAZ1B (2.1)	BUD13 (1.8)	DOCK7 (1.8)	RIC8B (1.6)
USP1 (3.2)	WDR76 (2.8)	TMEM214 (2.7)	PREB (1.8)	NUP160 (1.6)
C8orf49 (1.9)	STRC (1.6)	CHMP3 (1.6)	TRNP1 (1.6)	ZDHHC18 (1.5)
C11orf49 (2.8)	AGBL5 (2.6)	ATG4C (2.6)	PBX4 (2.4)	ZNF664 (2.0)
FNDC4 (1.6)	FRMD5 (1.6)	NCAN (1.5)	SLC30A3 (1.5)	CSGALNACT1 (1.5)
BCL7B (2.6)	ENSG00000222035 (2	TSSK6 (2.2)	C2orf16 (2.1)	PAFAH1B2 (2.0)
CYP26A1 (2.2)	REEP3 (1.9)	MAU2 (1.9)	C11orf49 (1.6)	LPAR2 (1.6)
MFAP1 (2.8)	INTS10 (2.7)	CKAP5 (2.6)	NUP160 (2.4)	KBTBD4 (2.3)
ZNF664 (2.0)	UCN (1.9)	ENSG00000236267 (1	ENSG00000179523 (1	MPP2 (1.6)
MRPL35 (3.3)	C2orf28 (3.1)	MTCH2 (2.5)	ENSG00000182329 (2	PPIP5K1 (2.3)
NRBF2 (3.4)	KDM3A (2.7)	MFAP1 (2.6)	KBTBD4 (2.5)	MTF2 (2.3)
NFE2L3 (2.8)	NDUFS3 (2.6)	MRPL35 (2.5)	FEN1 (2.3)	SNX17 (2.3)

NFE2L3 (2.8)	NDUFS3 (2.6)	MRPL35 (2.5)	FEN1 (2.3)	SNX17 (2.3)
TP53BP1 (2.3)	DPYSL5 (2.3)	RFX4 (2.3)	UBXN2B (2.1)	GALNT2 (2.0)
DNAH10 (2.1)	SLC22A3 (2.0)	ENSG00000234945 (1	ENSG00000254235 (1	PLA2G6 (1.9)
C17orf105 (2.5)	C8orf12 (2.1)	DOCK6 (2.0)	C1orf172 (1.7)	CSGALNACT1 (1.7)
IZUMO1 (2.1)	TDH (2.1)	GMIP (1.9)	BLK (1.8)	SUPT7L (1.8)
MAP1A (2.8)	CELF1 (2.6)	CASC4 (2.6)	GALNT2 (2.5)	MPP3 (2.4)
ZNF335 (2.7)	ATG13 (2.5)	LSM12 (2.4)	GALNT2 (2.2)	DOCK6 (2.2)
REEP1 (2.4)	FRMD5 (2.4)	RSPO3 (2.2)	NCAN (2.1)	KLF14 (1.7)
USP1 (4.8)	NUP160 (3.8)	MTF2 (3.3)	CTDSPL2 (3.0)	BAZ1B (2.8)
CTDSPL2 (2.9)	BAZ1B (2.8)	FEN1 (2.6)	MFAP1 (2.4)	BCL7B (2.3)
CCDC92 (2.6)	SDCBP (2.6)	PVRL2 (2.0)	ARHGAP1 (1.9)	BCL7B (1.9)
ENSG00000257711 (4	C2orf53 (3.9)	PMFBP1 (3.4)	ENSG00000234945 (3	IZUMO1 (3.0)
NUP160 (3.5)	DDB2 (3.3)	MTF2 (3.2)	CTDSPL2 (3.2)	BAZ1B (3.0)
PGS1 (2.1)	JMJD1C (2.0)	SIK3 (2.0)	DUSP3 (2.0)	NRBF2 (1.8)
HAPLN4 (2.8)	MPP2 (2.6)	NCAN (2.4)	MPP3 (2.2)	MAPK10 (2.0)
TM6SF2 (2.1)	SLC30A3 (1.8)	MPP3 (1.8)	C1QTNF4 (1.7)	MADD (1.7)
TMEM175 (2.3)	ENSG00000222035 (2	C8orf12 (2.0)	AGBL2 (2.0)	STRC (2.0)
PCSK7 (2.9)	ARHGAP1 (2.3)	PTPRJ (2.3)	MAMSTR (2.0)	PYY (1.9)
TECTB (2.4)	PMFBP1 (2.3)	LINC00208 (2.0)	LPAL2 (1.9)	ENSG00000256746 (1
TMED5 (2.6)	C17orf105 (2.5)	GCKR (2.3)	KRTCAP3 (2.2)	TMEM214 (2.2)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
STRC (1.9)	TMEM214 (1.8)	ATG13 (1.8)	NR1H3 (1.8)	HDAC5 (1.7)
DR1 (2.3)	NUP160 (2.2)	BAZ1B (2.0)	USP1 (1.8)	KDM3A (1.7)
JMJD1C (2.3)	CD300LG (2.2)	CLPTM1 (2.2)	BRE (2.1)	CMIP (2.0)
CTDSPL2 (3.1)	DDB2 (3.1)	CKAP5 (2.7)	BAZ1B (2.5)	MTF2 (2.4)
DR1 (2.5)	ATG4C (2.1)	DOCK7 (2.0)	PTPMT1 (1.9)	ENSG00000257711 (1
ENSG00000253379 (2	TAGLN (2.2)	KLF14 (2.2)	BNC2 (2.1)	TBL2 (1.9)
RFX4 (2.0)	ENSG00000222035 (2	RIC8B (1.9)	LRP4 (1.9)	FUT2 (1.9)
PPM1G (1.9)	NUP160 (1.7)	WDR76 (1.7)	CITED2 (1.6)	BAZ1B (1.5)
AGBL5 (2.0)	CASC4 (1.9)	NUP160 (1.9)	MAMSTR (1.7)	USP1 (1.5)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.8)
MADD (2.4)	CATSPER2 (2.4)	ATG13 (2.2)	ARFGAP2 (2.1)	PPIP5K1 (2.0)
CCDC121 (2.4)	CTDSPL2 (2.3)	GTF3C2 (2.0)	DHODH (1.9)	NAT2 (1.9)
PPM1G (1.8)	RIC8B (1.8)	TP53BP1 (1.7)	BCL7B (1.7)	INTS10 (1.5)
PREB (2.4)	TMEM101 (2.3)	ENSG00000255020 (2	PDIA3 (2.1)	MTCH2 (2.0)
FEN1 (3.0)	TP53BP1 (2.8)	PBX4 (2.5)	BAZ1B (2.4)	IFT172 (2.3)
TUBGCP4 (3.3)	DDB2 (2.8)	BAZ1B (2.7)	CTDSPL2 (2.7)	CAD (2.7)
DDB2 (2.2)	C2orf16 (2.0)	CD300LG (1.8)	ENSG00000200241 (1	OST4 (1.7)
BCL3 (2.3)	C8orf12 (2.3)	DNAH10 (2.3)	STRC (2.2)	PTPRJ (2.2)
CATSPER2 (2.4)	LSM12 (2.4)	ARFGAP2 (2.2)	TOMM40 (2.2)	DHX38 (2.2)
DNAH10 (1.7)	C1QTNF4 (1.7)	DNAJC5G (1.7)	ENSG00000200241 (1	TRIB1 (1.6)
OST4 (4.3)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.7)
OST4 (4.3)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.7)
OST4 (4.3)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.7)
FAM167A (2.2)	EMILIN1 (2.0)	C1orf172 (1.8)	SLC22A1 (1.7)	TBL2 (1.6)
MPP2 (2.1)	TRNP1 (2.1)	FAM167A (2.0)	EPB41L3 (1.9)	KLF14 (1.9)
C17orf105 (2.6)	TMEM175 (2.5)	TUBGCP4 (2.2)	CELF1 (2.0)	STRC (1.9)
KANK2 (2.9)	MAP1A (2.6)	MAMSTR (2.3)	MTMR9 (2.3)	GPAM (2.3)
USP1 (1.9)	PPM1G (1.7)	TP53BP1 (1.7)	DR1 (1.6)	RIC8B (1.6)
PBX4 (3.0)	FAM167A (3.0)	DPYSL5 (2.8)	PTPN13 (2.7)	ENSG00000179523 (2

PBX4 (3.0)	FAM167A (3.0)	DPYSL5 (2.8)	PTPN13 (2.7)	ENSG00000179523 (2
ENSG00000179523 (2	DPYSL5 (2.1)	ENSG00000182319 (2	PBX4 (1.8)	CCDC121 (1.8)
ABO (2.2)	TECTB (2.2)	LINC00208 (2.1)	LPAL2 (1.8)	FGF21 (1.6)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.8)
MAPK10 (3.0)	MADD (2.9)	MAP1A (2.7)	MPP2 (2.7)	TRNP1 (2.7)
MTCH2 (2.2)	ENSG00000223522 (2	ENSG00000200241 (2	IMMT (2.1)	UBXN2B (2.0)
MTCH2 (2.2)	ENSG00000223522 (2	ENSG00000200241 (2	IMMT (2.1)	UBXN2B (2.0)
ENSG00000223522 (2	LPAL2 (2.5)	MTMR9 (2.4)	ENSG00000182329 (2	AGBL2 (2.1)
FAM167A (2.4)	DPYSL5 (2.4)	FZD9 (2.3)	TDH (2.0)	IZUMO1 (1.8)
SLC30A3 (2.6)	MPP2 (2.4)	C2orf16 (2.2)	HAPLN4 (2.1)	MADD (2.1)
TXNL4B (2.6)	NUP160 (2.5)	CELF1 (2.4)	ENSG00000223745 (2	MAFF (2.0)
GATAD2A (2.5)	PPM1G (2.4)	USP1 (2.2)	REEP1 (2.2)	WDR76 (2.2)
MTCH2 (2.8)	FEN1 (2.8)	NUP160 (2.8)	KBTBD4 (2.8)	DDB2 (2.8)
PBX4 (1.8)	HAVCR1 (1.8)	ZNF335 (1.7)	KBTBD4 (1.7)	ATG13 (1.7)
FAM167A (2.9)	FZD9 (2.3)	C8orf12 (2.2)	PTPN13 (2.1)	REEP3 (2.0)
IMMT (3.6)	MTCH2 (3.1)	MRPL33 (2.8)	KBTBD4 (2.8)	PGS1 (2.4)
INTS10 (1.8)	POLR1A (1.7)	OST4 (1.6)	BUD13 (1.5)	CHMP3 (1.4)
MTMR9 (2.6)	DNAJC5G (2.6)	AGBL2 (2.3)	SPG11 (2.1)	IZUMO1 (2.1)
ENSG00000182329 (2	TRNP1 (2.5)	SLC30A3 (2.1)	SDCBP (2.0)	EPB41L3 (2.0)
ENSG00000223745 (2	MYBPC3 (2.2)	EMILIN1 (2.1)	TRIM54 (2.0)	STRC (2.0)
PLA2G6 (2.5)	CHMP3 (2.4)	ARFGAP2 (2.3)	NAT2 (2.2)	ZNF664 (2.1)
SLC22A3 (2.9)	NCAN (2.5)	RIC8B (2.1)	CLPTM1 (2.0)	FUT2 (1.9)
TMEM175 (2.9)	STRC (2.5)	ZNF512 (2.1)	LINC00208 (2.1)	UBXN2B (1.8)
NCAN (2.9)	CLPTM1 (2.4)	BCAM (2.1)	CATSPER2 (2.0)	ATP13A1 (1.8)
IFT172 (4.0)	AGBL5 (3.7)	RBKS (3.5)	TMEM175 (2.8)	ZNF664 (2.6)
CELF1 (2.2)	CITED2 (2.1)	MPP3 (2.1)	CHMP3 (2.0)	C1QTNF4 (1.9)
PACSIN3 (2.5)	SLC30A3 (2.1)	SOST (2.0)	CYP26A1 (1.9)	FRMD5 (1.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.8)
RBKS (2.8)	C11orf49 (2.4)	PLTP (2.1)	IFT172 (1.8)	AGBL5 (1.8)
DDB2 (3.6)	BAZ1B (3.4)	CTDSPL2 (3.2)	NUP160 (2.8)	CAD (2.4)
ENSG00000236267 (1	MAMSTR (1.8)	NSMAF (1.7)	UBXN2B (1.7)	FNBP4 (1.7)
KDM3A (3.2)	ZNF408 (3.0)	NRBP1 (2.7)	TXNL4B (2.2)	CITED2 (2.1)
C8orf49 (2.1)	MAPK10 (2.1)	MAMSTR (1.9)	ENSG00000179523 (1	PPIP5K1 (1.9)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.8)
ZNF408 (2.3)	MRPL33 (2.3)	ENSG00000223522 (2	SUGP1 (1.9)	MAU2 (1.8)
ZNF408 (2.3)	MRPL33 (2.3)	ENSG00000223522 (2	SUGP1 (1.9)	MAU2 (1.8)
NCAN (3.1)	C1QTNF4 (2.7)	CATSPER2 (2.7)	ENSG00000254235 (2	MAP1A (2.2)
KBTBD4 (2.8)	SUGP1 (2.7)	MAU2 (2.4)	NRBP1 (2.4)	DR1 (2.4)
MFAP1 (3.7)	BAZ1B (3.5)	CTDSPL2 (3.4)	MTF2 (2.9)	ZNF512 (2.8)
IGF2R (2.6)	BCAM (2.5)	PBX4 (2.3)	DOCK6 (2.1)	UCN (1.9)
MRPL35 (3.7)	C2orf28 (3.3)	MTCH2 (3.1)	PPIP5K1 (2.5)	FUT2 (1.8)
PCSK7 (2.3)	ABO (2.3)	C11orf9 (2.0)	MAP1A (2.0)	PAFAH1B2 (1.9)
FRMD5 (2.2)	CTDSPL2 (2.1)	CMIP (2.1)	SIK3 (1.8)	MTMR9 (1.7)
OST4 (4.4)	MTCH2 (3.8)	IMMT (3.7)	PTPMT1 (3.0)	C2orf28 (2.8)
OST4 (4.4)	MTCH2 (3.8)	IMMT (3.7)	PTPMT1 (3.0)	C2orf28 (2.8)
ENSG00000226645 (1	ENSG00000223745 (1	EMILIN1 (1.6)	ZNF513 (1.5)	SDC1 (1.5)

SPG11 (2.7)	AGBL2 (2.6)	JMJD1C (2.6)	ENSG00000179523 (2	DR1 (2.6)
SUMO1 (2.7)	MRPL33 (2.6)	SUGP1 (2.5)	ENSG00000256746 (2	ZNF259 (2.1)
ATG13 (3.7)	IFT172 (3.3)	PDIA3 (3.0)	OST4 (2.9)	PCSK7 (2.8)
ATG13 (3.7)	IFT172 (3.3)	PDIA3 (3.0)	OST4 (2.9)	PCSK7 (2.8)
ATG13 (3.7)	IFT172 (3.3)	PDIA3 (3.0)	OST4 (2.9)	PCSK7 (2.8)
TECTB (2.4)	ABO (2.2)	LINC00208 (2.2)	LPAL2 (1.9)	FGF21 (1.7)
TECTB (2.4)	ABO (2.2)	LINC00208 (2.2)	LPAL2 (1.9)	FGF21 (1.7)
BLK (2.0)	IZUMO1 (2.0)	DDB2 (1.9)	ZDHHC18 (1.8)	C8orf49 (1.7)
TBL2 (4.5)	CGREF1 (3.7)	ARHGAP1 (3.0)	PDIA3 (3.0)	OST4 (2.4)
ARID1A (1.8)	ZNF335 (1.8)	CITED2 (1.8)	CELF1 (1.7)	ATG13 (1.6)
OST4 (4.6)	MTCH2 (3.8)	IMMT (3.8)	C2orf28 (3.0)	PTPMT1 (3.0)
ABO (2.5)	ENSG00000223745 (2	SLC30A3 (2.2)	ENSG00000257711 (2	TXNL4B (1.9)
DDB2 (2.8)	IMMT (2.8)	MTF2 (2.5)	MTCH2 (2.3)	MAU2 (2.2)
SDC1 (1.9)	TMEM101 (1.9)	RSPO3 (1.9)	FZD9 (1.7)	AGBL5 (1.6)
DNAH10 (3.1)	C11orf9 (2.5)	MAMSTR (2.2)	C2orf16 (2.1)	SUMO1 (1.8)
C8orf12 (2.7)	CSGALNACT1 (2.7)	NEIL2 (2.7)	ENSG00000256746 (2	TDH (2.0)
MAP1A (2.9)	C1QTNF4 (2.8)	STRC (2.5)	SLC30A3 (2.5)	MPP2 (2.5)
RASIP1 (2.8)	APOA1 (2.8)	APOA4 (2.6)	BCAM (2.5)	GATA4 (2.4)
IGF2R (2.2)	SDCBP (2.2)	CLPTM1 (2.1)	BRE (1.9)	CTSB (1.9)
REEP1 (2.6)	MPP2 (2.3)	CD300LG (2.2)	ENSG00000223522 (2	ENSG00000223745 (2
LSM12 (3.2)	TXNL4B (3.0)	JMJD1C (2.7)	MTF2 (2.6)	SUPT7L (2.5)
BLK (1.8)	ENSG00000235545 (1	PTPRJ (1.8)	MFAP1 (1.8)	GMIP (1.7)
MAMSTR (2.2)	ENSG00000182319 (2	CATSPER2 (1.9)	TRNP1 (1.9)	CTSB (1.7)
PMFBP1 (3.3)	C17orf105 (3.0)	ENSG00000182329 (2	DNAH10 (2.7)	IZUMO1 (2.3)
BAZ1B (3.3)	PCIF1 (3.3)	PIGV (3.2)	BUD13 (2.7)	UBXN2B (2.7)
MFAP1 (2.6)	NUP160 (2.6)	BUD13 (2.5)	GTF3C2 (2.4)	PPM1G (2.4)
SNX17 (2.3)	ENSG00000182319 (2	CHMP3 (2.2)	PVRL2 (2.2)	TAGLN (2.0)
SUMO1 (1.6)	ARID1A (1.6)	TP53BP1 (1.5)	CITED2 (1.4)	ZNF335 (1.4)
UCN (3.0)	NCAN (2.7)	MPP2 (2.5)	RSPO3 (2.3)	MAP1A (2.3)
MPP3 (3.1)	MYBPC3 (2.4)	MAPRE3 (2.3)	REEP1 (2.2)	RASIP1 (2.0)
BAZ1B (2.9)	CKAP5 (2.9)	CAD (2.9)	TP53BP1 (2.7)	SPG11 (2.7)
TRNP1 (2.2)	BAZ1B (2.1)	ATP13A1 (2.1)	DNAH10 (2.1)	CAD (2.0)
MTCH2 (4.1)	OST4 (4.0)	IMMT (3.8)	PTPMT1 (3.2)	C2orf28 (2.8)
FGF21 (2.3)	MADD (2.2)	MPP3 (2.1)	MAPK10 (1.9)	HAPLN4 (1.9)
CTDSPL2 (3.1)	DDB2 (3.1)	NUP160 (2.9)	BAZ1B (2.7)	MTF2 (2.6)
TMEM175 (2.7)	ENSG00000200241 (2	C11orf49 (1.8)	GPN2 (1.8)	SNX17 (1.8)
PACSIN3 (3.6)	GATA4 (3.4)	NDUFS3 (3.1)	MTCH2 (2.6)	FRMD5 (2.6)
USP1 (3.0)	WDR76 (2.6)	ENSG00000226645 (1	PTCD3 (1.8)	NUP160 (1.8)
ENSG00000236827 (1	FRMD5 (1.8)	MADD (1.8)	PLA2G6 (1.8)	ZNF335 (1.7)
ENSG00000236827 (1	FRMD5 (1.8)	MADD (1.8)	PLA2G6 (1.8)	ZNF335 (1.7)
GMIP (2.0)	PGS1 (1.9)	UCN (1.6)	PCSK7 (1.6)	C8orf12 (1.6)
CETP (1.7)	KANK2 (1.7)	FUT1 (1.7)	TRNP1 (1.6)	SLC22A3 (1.6)
OST4 (4.4)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.8)
TMEM175 (2.7)	CHMP3 (2.6)	PAFAH1B2 (2.6)	DUSP3 (2.5)	ARHGAP1 (2.5)
SPG11 (2.3)	DHODH (2.2)	WDR76 (2.1)	ZNF512 (2.0)	UBXN2B (2.0)
C11orf9 (4.0)	MAPK10 (2.4)	FNDC4 (2.2)	MAPRE3 (1.9)	EPB41L3 (1.9)
TMEM214 (2.4)	TMED5 (2.3)	KRTCAP3 (2.2)	GCKR (2.2)	TIMD4 (2.1)
ARHGAP1 (3.4)	NRBP1 (3.3)	C11orf49 (3.1)	TBL2 (2.8)	HARBI1 (2.7)
PACSIN3 (2.1)	NCAN (2.0)	ABHD1 (1.9)	C19orf80 (1.8)	FZD9 (1.8)
ENSG00000179523 (2	UBXN2B (2.5)	CHMP3 (2.4)	C11orf49 (2.3)	SPG11 (2.1)

ENSG00000234945 (2	ENSG00000257711 (2	IZUMO1 (1.9)	MAU2 (1.8)	FZD9 (1.7)
LINC00208 (2.0)	SDC1 (1.9)	ENSG00000234945 (1	ABO (1.8)	MAU2 (1.8)
ACP2 (2.0)	LINC00208 (2.0)	NSMAF (2.0)	MPP3 (2.0)	PACSIN3 (1.8)
SIDT2 (2.4)	HAPLN4 (2.2)	MADD (2.2)	PTPRJ (2.2)	TRNP1 (2.1)
USP1 (2.5)	NOP58 (2.1)	CCDC121 (2.0)	TMEM175 (1.9)	ZNF512 (1.7)
TRIM54 (2.5)	LSM12 (2.4)	DUSP3 (2.3)	CASC4 (2.3)	ENSG00000235545 (2
G6PC3 (1.8)	LRP4 (1.6)	NEIL2 (1.6)	ENSG00000223522 (1	MPP2 (1.5)
G6PC3 (1.8)	LRP4 (1.6)	NEIL2 (1.6)	ENSG00000223522 (1	MPP2 (1.5)
G6PC3 (1.8)	LRP4 (1.6)	NEIL2 (1.6)	ENSG00000223522 (1	MPP2 (1.5)
TP53BP1 (2.3)	ENSG00000223522 (2	ABHD1 (1.9)	PIGV (1.8)	NEIL2 (1.8)
ATG13 (3.5)	OST4 (3.4)	SNX17 (3.1)	IFT172 (3.0)	CGREF1 (2.7)
REEP1 (2.9)	TRIM54 (2.8)	LINC00208 (2.8)	NEIL2 (2.5)	ENSG00000256731 (2
SPG11 (2.7)	TP53BP1 (2.7)	ATG4C (2.6)	C2orf16 (2.1)	HARBI1 (2.0)
ARFGAP2 (2.6)	SIK3 (2.4)	ATG13 (2.4)	KDM3A (2.2)	MAU2 (2.1)
PPY (4.1)	NRBF2 (2.5)	PTPMT1 (2.4)	TMED5 (2.1)	C2orf28 (2.1)
BNC2 (2.5)	KANK2 (2.3)	EPB41L3 (2.1)	LRP4 (2.0)	FNDC4 (2.0)
AMBRA1 (2.0)	LINC00208 (1.8)	HAPLN4 (1.7)	JMJD1C (1.6)	PPY (1.6)
ENSG00000235545 (2	TECTB (1.8)	NEIL2 (1.7)	PTPMT1 (1.7)	ENSG00000234945 (1
NRBP1 (2.4)	ATG13 (2.2)	LSM12 (2.1)	BRE (2.0)	TMEM175 (2.0)
PACSIN3 (2.9)	SLC30A3 (2.8)	FRMD5 (2.3)	EMILIN1 (2.2)	C8orf49 (2.1)
PACSIN3 (2.9)	SLC30A3 (2.8)	FRMD5 (2.3)	EMILIN1 (2.2)	C8orf49 (2.1)
TM6SF2 (1.8)	BAZ1B (1.7)	TRNP1 (1.7)	CSGALNACT1 (1.7)	DPYSL5 (1.7)
CCDC121 (1.8)	SDC1 (1.6)	FAM167A (1.6)	PTPN13 (1.6)	CASC4 (1.6)
TMEM214 (2.9)	MPV17 (2.8)	IGF2R (2.7)	CTSB (2.7)	PDIA3 (2.3)
CKAP5 (2.6)	IGF2R (2.0)	USP1 (2.0)	BNC2 (2.0)	NFE2L3 (1.7)
DR1 (2.9)	NOP58 (2.5)	FEN1 (2.4)	ZNF408 (2.3)	NUP160 (2.2)
MAPK10 (2.9)	EPB41L3 (2.7)	CGREF1 (2.4)	NCAN (2.3)	MTMR9 (2.2)
DDB2 (3.4)	NUP160 (2.3)	PPM1G (1.6)	CTDSPL2 (1.5)	AGBL5 (1.4)
ENSG00000234945 (2	KLF14 (2.0)	DNAH10 (1.7)	C17orf105 (1.6)	MAMSTR (1.6)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.8)
OST4 (4.3)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.8)
GATA4 (2.9)	FRMD5 (2.6)	IMMT (1.6)	CHMP3 (1.6)	PLTP (1.5)
NRBP1 (2.2)	LINC00208 (2.0)	GATAD2A (2.0)	FEN1 (1.9)	CASC4 (1.9)
ATG4C (1.9)	TSSK6 (1.9)	NSMAF (1.8)	NFE2L3 (1.8)	ENSG00000234945 (1
ABO (2.1)	KRTCAP3 (1.9)	C1orf172 (1.8)	FNDC4 (1.8)	GATA4 (1.8)
C2orf53 (5.1)	TSSK6 (4.2)	ENSG00000257711 (3	C2orf16 (3.8)	IZUMO1 (3.3)
ATG13 (3.6)	OST4 (3.4)	CGREF1 (3.3)	PCSK7 (3.1)	HARBI1 (3.0)
HDAC5 (2.2)	MAU2 (2.2)	PCIF1 (2.0)	MPP3 (1.9)	FNDC4 (1.9)
DDB2 (2.3)	SUPT7L (2.3)	TUBGCP4 (2.3)	NUP160 (2.0)	GPN1 (1.9)
AGBL2 (1.8)	ZNF259 (1.7)	TECTB (1.6)	DOCK7 (1.6)	UCN (1.5)
MAU2 (2.6)	SUGP1 (2.4)	MTMR9 (2.3)	FNBP4 (2.1)	HARBI1 (1.9)
USP1 (2.7)	SNX17 (2.6)	FEN1 (2.2)	GTF3C2 (2.1)	TUBGCP4 (2.0)
CILP2 (2.0)	BMPR2 (2.0)	PPIP5K1 (2.0)	HAPLN4 (1.9)	ENSG00000256731 (1
MAP1A (2.1)	HAVCR1 (2.0)	MPP3 (2.0)	TMEM175 (1.9)	ENSG00000223745 (1
ENSG00000257711 (4	C2orf53 (4.4)	PMFBP1 (4.0)	ENSG00000234945 (3	IZUMO1 (3.2)
OST4 (4.2)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.2)	C2orf28 (2.8)
ENSG00000182319 (2	FZD9 (2.5)	C2orf53 (2.4)	PACSIN3 (2.0)	UCN (1.9)
WDR76 (3.0)	FEN1 (2.6)	IFT172 (2.6)	PBX4 (2.4)	BAZ1B (2.3)
NFE2L3 (2.0)	PTPMT1 (1.7)	TECTB (1.7)	ENSG00000234945 (1	NEIL2 (1.6)
PDIA3 (2.6)	CTSB (2.6)	TBL2 (2.5)	ACP2 (2.4)	TMEM214 (2.3)

FNBP4 (2.2)	PDIA3 (2.1)	CHMP3 (2.0)	ZNF259 (1.9)	ARFGAP2 (1.9)
COBLL1 (1.8)	KANK2 (1.7)	ZNF513 (1.5)	MRPL33 (1.5)	IZUMO1 (1.5)
MAP1A (2.1)	HDAC5 (2.1)	RASIP1 (2.1)	C11orf9 (2.0)	DR1 (2.0)
ENSG00000234945 (2	PIGV (2.4)	ACP2 (2.0)	G6PC3 (2.0)	ENSG00000200241 (1
FAM167A (2.9)	PTPN13 (2.4)	C1orf172 (2.1)	SDC1 (2.0)	CGREF1 (1.9)
PAFAH1B2 (2.1)	SDCBP (2.0)	MADD (1.9)	DHODH (1.9)	CCDC92 (1.9)
ENSG00000257711 (3	PMFBP1 (3.6)	C2orf53 (3.2)	DNAJC5G (3.1)	C2orf16 (2.6)
LPAL2 (2.5)	C1QTNF4 (2.3)	ENSG00000236827 (2	UCN (2.2)	ENSG00000182329 (1
PTPMT1 (3.4)	IMMT (2.8)	PTCD3 (2.7)	GPN1 (2.6)	MTCH2 (2.5)
PTPMT1 (3.4)	IMMT (2.8)	PTCD3 (2.7)	GPN1 (2.6)	MTCH2 (2.5)
REEP3 (1.8)	PLA2G6 (1.8)	MAPRE3 (1.8)	MAMSTR (1.7)	EIF2B4 (1.7)
HAVCR1 (2.1)	IZUMO1 (2.0)	ATG4C (1.9)	UBXN2B (1.9)	MTMR9 (1.9)
ZNF335 (2.7)	DOCK6 (2.2)	ATG4C (2.2)	SIK3 (2.2)	ZDHHC18 (2.1)
NUP160 (2.8)	EIF3J (2.6)	MRPL33 (2.6)	GPN2 (2.5)	MTF2 (2.3)
TP53BP1 (2.2)	UBXN2B (2.1)	TSSK6 (2.1)	ENSG00000179523 (2	C2orf16 (1.9)
SDCBP (1.8)	TDH (1.8)	SLC22A3 (1.8)	PIGV (1.7)	PGS1 (1.6)
CSGALNACT1 (2.2)	TAGLN (2.2)	SIK3 (2.0)	KLF14 (1.9)	TECTB (1.8)
MADD (2.1)	ENSG00000235545 (1	DUSP3 (1.8)	CMIP (1.8)	TDH (1.8)
ARID1A (2.1)	KRTCAP3 (2.0)	LSM12 (1.9)	INTS10 (1.9)	JMJD1C (1.7)
NUP160 (2.5)	KDM3A (2.3)	SUMO1 (2.2)	ZNF513 (2.2)	FNBP4 (2.1)
SUPT7L (2.2)	HAPLN4 (2.2)	IMMT (2.1)	ENSG00000200241 (2	MRPL33 (2.1)
DDB2 (3.5)	AGBL5 (2.4)	KANK2 (2.2)	CTDSPL2 (2.0)	NUP160 (1.7)
PCIF1 (2.8)	NUP160 (2.7)	EIF2B4 (2.6)	FDFT1 (2.5)	SUPT7L (2.5)
NCAN (2.9)	DPYSL5 (2.7)	ENSG00000222035 (2	FNDC4 (2.4)	C1QTNF4 (1.8)
PACSIN3 (3.0)	ENSG00000257711 (2	GATA4 (2.3)	REEP1 (2.1)	FZD9 (1.9)
CHMP3 (2.1)	ATG4C (1.9)	NCAN (1.9)	HAPLN4 (1.8)	C11orf9 (1.8)
CYP26A1 (2.2)	C2orf53 (1.9)	PLTP (1.7)	PLA2G6 (1.6)	SLC5A6 (1.5)
OST4 (4.2)	IMMT (4.0)	MTCH2 (3.7)	C2orf28 (2.7)	PTPMT1 (2.3)
CSGALNACT1 (1.9)	TIMD4 (1.8)	REEP3 (1.7)	MFAP1 (1.5)	NAGS (1.5)
HARBI1 (1.7)	CCDC18 (1.7)	MAU2 (1.7)	CASC4 (1.6)	HAPLN4 (1.6)
HARBI1 (1.7)	CCDC18 (1.7)	MAU2 (1.7)	CASC4 (1.6)	HAPLN4 (1.6)
IZUMO1 (2.5)	ENSG00000223522 (2	MTMR9 (2.3)	C2orf16 (2.3)	DNAJC5G (2.2)
SUMO1 (2.5)	STRC (2.5)	C17orf105 (2.5)	PMFBP1 (2.3)	C2orf53 (2.3)
SUMO1 (2.5)	NFE2L3 (2.5)	SUGP1 (2.4)	ENSG00000200241 (2	KBTBD4 (2.3)
MPV17 (2.2)	CATSPER2 (2.2)	MPP3 (2.2)	PPIP5K1 (2.0)	MAPK10 (2.0)
CCDC18 (3.4)	BAZ1B (3.2)	DDB2 (3.0)	CKAP5 (2.3)	AGBL5 (2.1)
LPL (2.1)	BNC2 (2.0)	IFT172 (1.9)	PTPRJ (1.6)	MPP2 (1.5)
TAGLN (3.0)	BCAM (2.8)	APOA1 (2.6)	CYP26A1 (2.5)	PPY (2.4)
ARFGAP2 (2.2)	ENSG00000256731 (2	UBXN2B (1.8)	ZNF259 (1.8)	PTPRJ (1.8)
C2orf16 (1.9)	FUT2 (1.8)	COBLL1 (1.7)	CMIP (1.6)	TDH (1.4)
ARID1A (2.5)	ZNF664 (2.5)	PCIF1 (2.3)	SUMO1 (2.2)	GATAD2A (2.2)
ENSG00000256746 (1	ZNF664 (1.9)	COBLL1 (1.9)	PTPN13 (1.8)	HAVCR1 (1.8)
OST4 (4.2)	MTCH2 (4.1)	IMMT (3.7)	PTPMT1 (2.9)	C2orf28 (2.7)
REEP3 (2.6)	FUT1 (2.6)	SIDT2 (2.4)	SDC1 (2.2)	TMEM175 (2.1)
RBKS (2.4)	MRPL35 (2.1)	HARBI1 (2.1)	ATG4C (2.1)	KBTBD4 (2.1)
RBKS (2.4)	MRPL35 (2.1)	HARBI1 (2.1)	ATG4C (2.1)	KBTBD4 (2.1)
MADD (3.1)	NRBP1 (2.5)	PTPMT1 (2.4)	LSM12 (2.4)	CELF1 (2.2)
PTCD3 (2.9)	SUMO1 (2.6)	USP1 (2.2)	CCDC18 (2.1)	MAU2 (1.8)
DDB2 (4.1)	CTDSPL2 (3.6)	NUP160 (3.2)	ZNF512 (2.9)	BAZ1B (2.9)
NUP160 (3.2)	DDB2 (3.1)	CTDSPL2 (2.9)	MTF2 (2.8)	ZNF512 (2.6)

PAFAH1B2 (2.5)	DUSP3 (2.4)	MTMR9 (2.3)	CHMP3 (2.2)	C11orf49 (2.1)
UBXN2B (2.4)	C2orf16 (2.1)	ARID1A (2.0)	BAZ1B (2.0)	BMPR2 (2.0)
PTCD3 (2.3)	NRBP1 (2.1)	BUD13 (2.0)	GPN1 (2.0)	SIK3 (1.9)
ACP2 (2.7)	MAPK10 (2.7)	PMFBP1 (2.5)	ENSG00000256746 (2	SLC5A6 (1.9)
HARBI1 (3.0)	ENSG00000226645 (2	DR1 (2.5)	PAFAH1B2 (2.2)	AMBRA1 (2.2)
ATG4C (2.5)	CYP26A1 (2.4)	CCDC121 (2.3)	TMEM175 (2.2)	DNAH10 (2.2)
PACSIN3 (3.5)	GATA4 (2.8)	PTCD3 (2.0)	VEGFA (2.0)	BCL7B (1.6)
ARFGAP2 (2.6)	SDCBP (2.3)	PTPRJ (2.2)	ENSG00000255020 (2	ARHGAP1 (2.0)
FADS1 (3.0)	SLC30A3 (2.7)	FDFT1 (2.7)	ENSG00000255020 (2	C11orf49 (2.4)
OST4 (3.9)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.2)	C2orf28 (2.9)
DHODH (2.9)	CTDSPL2 (2.3)	FEN1 (2.2)	USP1 (2.2)	TUBGCP4 (2.1)
MAPK10 (2.8)	EPB41L3 (2.6)	CGREF1 (2.5)	MTMR9 (2.3)	NCAN (2.3)
REEP3 (2.0)	LRP4 (2.0)	ENSG00000226645 (1	KDM3A (1.9)	ENSG00000257711 (1
MRPL35 (2.7)	PTCD3 (2.7)	PPIP5K1 (2.7)	ENSG00000200241 (2	PTPMT1 (2.0)
RIC8B (2.6)	SLC5A6 (2.6)	ENSG00000256746 (2	MRPL33 (2.4)	ZNF259 (2.1)
RIC8B (2.6)	SLC5A6 (2.6)	ENSG00000256746 (2	MRPL33 (2.4)	ZNF259 (2.1)
HDAC5 (2.0)	ENSG00000236267 (2	FADS1 (1.7)	ARID1A (1.7)	SOST (1.7)
MAP1A (2.0)	CELF1 (2.0)	MAPRE3 (2.0)	ENSG00000182319 (2	NCAN (1.9)
MAU2 (2.8)	EIF3J (2.5)	MRPL35 (2.4)	CAD (2.3)	MPV17 (2.2)
APOE (2.3)	NR0B2 (2.0)	C11orf9 (1.8)	LINC00208 (1.8)	FUT2 (1.7)
FZD9 (1.8)	ARID1A (1.8)	DPYSL5 (1.8)	PMFBP1 (1.7)	SLC30A3 (1.7)
PCSK7 (1.7)	ACP2 (1.5)	BRE (1.4)	PBX4 (1.4)	APOC1 (1.2)
DPYSL5 (2.2)	ENSG00000179523 (2	ENSG00000254235 (2	ENSG00000223522 (1	ENSG00000253379 (1
RSPO3 (2.5)	EMILIN1 (2.4)	TAGLN (2.4)	RFX4 (2.3)	SDC1 (2.3)
NSMAF (2.1)	NR1H3 (2.1)	ENSG00000235545 (2	KLF14 (2.0)	ABHD1 (2.0)
NSMAF (2.1)	NR1H3 (2.1)	ENSG00000235545 (2	KLF14 (2.0)	ABHD1 (2.0)
OST4 (4.2)	MTCH2 (4.2)	IMMT (3.7)	PTPMT1 (3.1)	C2orf28 (2.7)
PACSIN3 (3.7)	GATA4 (3.4)	NDUFS3 (3.1)	FRMD5 (2.5)	MTCH2 (2.3)
DDB2 (3.7)	NUP160 (3.5)	CTDSPL2 (3.5)	CAD (3.1)	BAZ1B (2.6)
CSGALNACT1 (2.0)	PTPN13 (1.8)	UCN (1.8)	FAM167A (1.8)	EPB41L3 (1.6)
SUGP1 (2.5)	FEN1 (2.2)	MFAP1 (2.2)	PACSIN3 (2.1)	MTCH2 (2.0)
SUGP1 (2.5)	FEN1 (2.2)	MFAP1 (2.2)	PACSIN3 (2.1)	MTCH2 (2.0)
ATG4C (2.7)	TMEM175 (2.2)	DNAH10 (2.2)	CCDC121 (2.1)	CYP26A1 (2.1)
LRP4 (2.3)	FRMD5 (2.0)	CYP26A1 (1.9)	ENSG00000255020 (1	ACP2 (1.7)
NDUFS3 (3.1)	EIF3J (2.9)	IMMT (2.8)	ARFGAP2 (2.6)	PREB (2.6)
PLTP (1.9)	EIF3J (1.7)	TMEM101 (1.7)	HARBI1 (1.7)	ACP2 (1.6)
PTPMT1 (2.1)	ZNF408 (2.0)	ENSG00000223522 (1	ENSG00000226645 (1	ENSG00000256731 (1
CCDC18 (4.2)	CKAP5 (3.1)	BAZ1B (3.0)	CTDSPL2 (2.7)	DDB2 (2.4)
PYY (2.2)	MADD (2.0)	FRMD5 (1.8)	MPP2 (1.8)	CITED2 (1.8)
AFF1 (1.7)	NUP160 (1.7)	TXNL4B (1.6)	FNBP4 (1.6)	ZNF335 (1.5)
TOMM40 (2.5)	ATP13A1 (2.4)	ZNF259 (2.4)	POLR1A (2.3)	GPN1 (2.3)
FUT1 (2.2)	MADD (2.2)	LPAR2 (2.0)	PPIP5K1 (1.8)	FRMD5 (1.7)
FAM167A (2.8)	TSSK6 (2.5)	TDH (2.2)	ABO (2.1)	NCAN (2.0)
MAPRE3 (2.9)	C1orf172 (2.8)	NFE2L3 (2.4)	FUT1 (2.3)	MAP1A (2.3)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.7)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.7)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.2)	C2orf28 (2.7)
UBXN2B (2.2)	DHODH (2.0)	ZNF512 (1.9)	ATG4C (1.8)	WDR76 (1.8)
C11orf49 (2.7)	MAPK10 (2.7)	NRBP1 (2.6)	MTMR9 (2.4)	SUPT7L (2.2)
USP1 (4.1)	DDB2 (3.2)	NUP160 (3.1)	GPN1 (3.0)	MFAP1 (2.9)

NSMAF (2.0) LINC00208 (1.9) MAFF (1.8) ZNF408 (1.8) MAU2 (1.8)
PCIF1 (3.1) KBTBD4 (2.9) CTDSPL2 (2.8) TP53BP1 (2.8) PPM1G (2.4)
USP1 (2.0) NUP160 (1.9) DOCK7 (1.7) BUD13 (1.7) CITED2 (1.5)
USP1 (2.0) NUP160 (1.9) DOCK7 (1.7) BUD13 (1.7) CITED2 (1.5)
USP1 (2.0) NUP160 (1.9) DOCK7 (1.7) BUD13 (1.7) CITED2 (1.5)
USP1 (2.0) NUP160 (1.9) DOCK7 (1.7) BUD13 (1.7) CITED2 (1.5)
MTCH2 (2.5) PTCD3 (2.4) HARBI1 (2.4) FUT1 (2.2) ZNF259 (2.1)
NRBP1 (2.4) NSMAF (2.2) SUMO1 (2.2) CASC4 (2.2) PREB (2.1)
EIF3J (2.4) FADS1 (2.2) NRBF2 (2.2) FADS2 (2.2) TXNL4B (1.9)
DOCK7 (2.2) TXNL4B (2.2) HARBI1 (2.1) ENSG00000179523 (2 STRC (2.1)
ENSG00000182329 (2 ZNF408 (1.7) LPAL2 (1.7) BAZ1B (1.6) AGBL5 (1.5)
CCDC18 (4.0) SPG11 (3.7) DDB2 (3.4) MFAP1 (3.0) USP1 (2.9)
GPN1 (2.2) CKAP5 (1.9) MPV17 (1.7) MRPL35 (1.7) ENSG00000226645 (1
RSPO3 (2.6) CHMP3 (2.5) ENSG00000235545 (2 IFT172 (2.0) MPP3 (2.0)
APOE (2.0) PLA2G6 (1.7) DOCK7 (1.6) PCSK7 (1.6) C8orf12 (1.6)
NCAN (2.5) PBX4 (2.5) SLC5A6 (2.1) RFX4 (2.1) FAM167A (2.1)
C2orf16 (1.9) REEP1 (1.7) SDC1 (1.7) TDH (1.6) BCAM (1.6)
C11orf49 (3.1) SPG11 (3.0) DHX38 (2.9) HARBI1 (2.8) IFT172 (2.6)
ENSG00000257711 (2 BNC2 (2.0) CATSPER2 (1.9) LPAL2 (1.6) LINC00208 (1.6)
USP1 (3.1) DDB2 (3.0) CTDSPL2 (3.0) ATG4C (2.7) MTF2 (2.4)
NDUFS3 (3.1) MRPL35 (2.9) PTCD3 (2.6) PPIP5K1 (2.6) ENSG00000200241 (2
ZDHHC18 (2.6) ARFGAP2 (2.4) ARHGAP1 (2.3) GMIP (2.1) PTPRJ (2.0)
RSPO3 (2.0) DPYSL5 (1.9) RFX4 (1.8) SOST (1.7) FZD9 (1.6)
SIDT2 (2.1) ZNF513 (2.1) PCSK7 (2.1) TMEM101 (2.1) KBTBD4 (2.0)
ENSG00000235545 (2 NEIL2 (1.9) ZDHHC18 (1.9) ZNF408 (1.7) RBKS (1.7)
PMFBP1 (1.9) C17orf105 (1.9) POLR1A (1.8) GALNT2 (1.8) ENSG00000179523 (1
DDB2 (4.7) CTDSPL2 (3.9) NUP160 (2.9) CAD (2.4) GPN1 (2.3)
MTF2 (2.2) ENSG00000179523 (2 DHODH (2.0) GATAD2A (2.0) BAZ1B (1.9)
MRPL35 (4.5) IMMT (4.0) MTCH2 (3.7) OST4 (3.7) TRIM54 (3.4)
KANK2 (2.2) HDAC5 (2.2) RIC8B (2.2) FAM167A (2.0) CCDC92 (2.0)
ENSG00000255020 (2 DNAH10 (2.7) ABO (2.5) ENSG00000200241 (2 PYY (2.1)
DPYSL5 (2.1) CGREF1 (1.9) KBTBD4 (1.9) C11orf49 (1.9) OST4 (1.7)
C2orf53 (2.0) CILP2 (2.0) LRP4 (1.8) NAGS (1.7) ENSG00000222035 (1
ZNF513 (3.1) LSM12 (2.7) MTF2 (2.6) KBTBD4 (2.5) MFAP1 (2.5)
PACSIN3 (3.1) ARHGAP1 (2.6) KANK2 (2.5) TRNP1 (2.3) DUSP3 (2.1)
MAP1A (3.1) MAPRE3 (2.9) MADD (2.5) PPIP5K1 (2.4) EPB41L3 (2.4)
FUT1 (2.1) IZUMO1 (1.9) PLTP (1.9) ENSG00000179523 (1 FADS2 (1.8)
IMMT (2.8) ZNF408 (2.6) MRPL35 (2.6) NR0B2 (2.2) KLF14 (2.0)
OST4 (3.9) IMMT (3.9) MTCH2 (3.9) PTPMT1 (3.1) C2orf28 (2.9)
CCDC18 (2.4) TMEM175 (2.1) KBTBD4 (1.8) FZD9 (1.8) ENSG00000234945 (1
TSSK6 (2.9) FRMD5 (2.7) NCAN (2.3) ENSG00000179523 (2 C8orf12 (2.0)
NCAN (2.2) IZUMO1 (2.1) TDH (2.0) PBX4 (1.8) DPYSL5 (1.7)
MPP2 (2.6) CLPTM1 (2.5) PREB (2.4) ARHGAP1 (2.3) PDIA3 (2.2)
TRNP1 (2.3) CELF1 (2.3) SDCBP (2.3) COBLL1 (2.2) ARHGAP1 (2.2)
PDIA3 (2.6) PTCD3 (2.4) BAZ1B (2.2) FRMD5 (2.1) PPIP5K1 (1.9)
SIK3 (2.2) KLF14 (1.9) PIGV (1.8) ZNF513 (1.7) PTPRJ (1.7)
FAM167A (2.3) MAPK10 (2.2) RASIP1 (2.0) EPB41L3 (2.0) LRP4 (2.0)
FAM167A (2.3) MAPK10 (2.2) RASIP1 (2.0) EPB41L3 (2.0) LRP4 (2.0)
FRMD5 (2.3) SLC22A3 (2.3) ABO (2.2) UCN (2.2) ENSG00000255020 (2
NOP58 (2.6) DHODH (2.5) ZNF664 (2.4) LINC00208 (2.3) POLR1A (2.3)

ZNF259 (2.7)	MRPL33 (2.5)	OST4 (2.5)	CASC4 (2.5)	TXNL4B (2.0)
POLR1A (2.0)	ENSG00000179523 (2	GALNT2 (1.9)	AGBL5 (1.5)	G6PC3 (1.5)
BNC2 (1.8)	KLF14 (1.8)	G6PC3 (1.7)	ENSG00000234945 (1	C11orf9 (1.6)
CTDSPL2 (4.2)	DDB2 (4.2)	BAZ1B (3.1)	NUP160 (2.6)	ENSG00000235545 (2
ATG13 (2.4)	SNX17 (2.2)	MADD (2.2)	MAPK10 (2.2)	KLF14 (2.0)
ENSG00000255020 (2	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	FAM167A (1.8)
ENSG00000255020 (2	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	FAM167A (1.8)
ENSG00000255020 (2	ZDHHC18 (2.0)	TRNP1 (1.9)	MPP2 (1.9)	FAM167A (1.8)
TRIM54 (2.5)	EMILIN1 (2.2)	ENSG00000223745 (2	IZUMO1 (1.9)	TRNP1 (1.9)
PMFBP1 (2.2)	GALNT2 (2.1)	CTSB (1.9)	HAVCR1 (1.7)	ENSG00000179523 (1
ENSG00000256746 (2	PCIF1 (2.0)	MADD (1.9)	CLPTM1 (1.8)	APOA4 (1.8)
GMIP (1.9)	LPAR2 (1.9)	NRBP1 (1.9)	C2orf16 (1.8)	PGS1 (1.7)
C8orf12 (2.2)	CCDC121 (2.1)	NAT2 (2.1)	ENSG00000236827 (2	RIC8B (1.9)
ARFGAP2 (2.1)	ENSG00000257711 (2	PCSK7 (1.9)	SNX17 (1.9)	MPP2 (1.9)
ARFGAP2 (2.1)	ENSG00000257711 (2	PCSK7 (1.9)	SNX17 (1.9)	MPP2 (1.9)
ARFGAP2 (2.1)	ENSG00000257711 (2	PCSK7 (1.9)	SNX17 (1.9)	MPP2 (1.9)
ARFGAP2 (2.1)	ENSG00000257711 (2	PCSK7 (1.9)	SNX17 (1.9)	MPP2 (1.9)
CSGALNACT1 (1.9)	G6PC3 (1.8)	EPB41L3 (1.8)	CYP26A1 (1.6)	EMILIN1 (1.6)
MTCH2 (4.3)	OST4 (4.0)	IMMT (3.5)	PTPMT1 (3.1)	C2orf28 (2.7)
PPIP5K1 (1.9)	EPB41L3 (1.9)	DR1 (1.7)	BCL7B (1.7)	SNX17 (1.7)
C8orf12 (3.0)	DR1 (2.8)	PREB (2.3)	PPM1G (2.2)	FDFT1 (2.2)
CSGALNACT1 (1.8)	ATG4C (1.8)	C2orf53 (1.8)	SUMO1 (1.7)	TSSK6 (1.6)
TUBGCP4 (3.3)	DDB2 (3.1)	NUP160 (2.9)	CTDSPL2 (2.8)	MTF2 (2.6)
LINC00208 (2.5)	NFE2L3 (2.5)	SNX17 (2.5)	HARBI1 (2.4)	ENSG00000234945 (2
OST4 (4.5)	MTCH2 (3.8)	IMMT (3.7)	PTPMT1 (3.0)	C2orf28 (2.8)
NEIL2 (2.0)	CATSPER2 (2.0)	PIGV (1.9)	ACP2 (1.8)	ENSG00000236827 (1
CTDSPL2 (4.8)	DDB2 (3.8)	NUP160 (3.5)	BAZ1B (3.5)	TUBGCP4 (3.1)
PPM1G (2.7)	ARFGAP2 (2.6)	CHMP3 (2.5)	RIC8B (2.3)	EIF2B4 (2.2)
PTPRJ (2.5)	PAFAH1B2 (2.2)	AMBRA1 (2.2)	LPAR2 (1.9)	PBX4 (1.8)
C11orf49 (2.3)	CILP2 (2.2)	AGBL5 (2.2)	HAPLN4 (2.1)	RFX4 (2.1)
TXNL4B (3.0)	LSM12 (2.9)	MFAP1 (2.6)	KBTBD4 (2.5)	NUP160 (2.5)
PCSK7 (1.7)	ACP2 (1.6)	NR1H3 (1.4)	PBX4 (1.4)	ENSG00000236267 (1
PCSK7 (1.7)	ACP2 (1.6)	NR1H3 (1.4)	PBX4 (1.4)	ENSG00000236267 (1
PCSK7 (1.7)	ACP2 (1.6)	NR1H3 (1.4)	PBX4 (1.4)	ENSG00000236267 (1
PCSK7 (1.7)	ACP2 (1.6)	NR1H3 (1.4)	PBX4 (1.4)	ENSG00000236267 (1
NSMAF (2.1)	FAM167A (2.1)	HARBI1 (2.1)	PIGV (2.0)	TSSK6 (1.9)
LPAL2 (1.9)	TRNP1 (1.9)	PBX4 (1.8)	BAZ1B (1.7)	MAPK10 (1.7)
ZNF513 (2.8)	DR1 (2.6)	NRBF2 (2.5)	MFAP1 (2.2)	BUD13 (2.2)
CKAP5 (2.9)	CAD (2.8)	ATP13A1 (2.5)	PPM1G (2.4)	NDUFS3 (2.3)
MAPK10 (2.3)	C11orf49 (2.3)	BCL7B (2.2)	MPP3 (2.2)	REEP3 (2.0)
RSPO3 (2.1)	TMEM175 (1.8)	ATP13A1 (1.8)	CLPTM1 (1.7)	FADS2 (1.5)
TMED5 (2.6)	CLPTM1 (2.3)	CATSPER2 (2.2)	ZNF512 (2.2)	LSM12 (2.2)
TSSK6 (3.9)	IZUMO1 (3.3)	CATSPER2 (3.0)	PMFBP1 (2.6)	C2orf16 (2.5)
AFF1 (2.1)	SIK3 (1.9)	C11orf49 (1.8)	MPP3 (1.8)	PIGV (1.7)
AFF1 (2.1)	SIK3 (1.9)	C11orf49 (1.8)	MPP3 (1.8)	PIGV (1.7)
FRMD5 (2.5)	PPY (2.4)	EPB41L3 (2.2)	C8orf49 (2.1)	ENSG00000255020 (2
ENSG00000223745 (2	NRBF2 (2.0)	ZNF512 (1.9)	PTPRJ (1.6)	C11orf49 (1.6)
C1QTNF4 (2.7)	KRTCAP3 (2.7)	NAGS (2.7)	TM6SF2 (2.3)	ABHD1 (2.2)
PACSIN3 (2.5)	FRMD5 (2.2)	SLC30A3 (2.0)	SOST (2.0)	CYP26A1 (2.0)
MPV17 (3.0)	IGF2R (2.7)	MFAP1 (2.6)	MAPRE3 (2.6)	MPP2 (2.2)

MTMR9 (2.5)	SPG11 (2.4)	C2orf16 (2.2)	DNAJC5G (2.1)	TP53BP1 (2.0)
MTF2 (2.9)	TXNL4B (2.7)	KBTBD4 (2.4)	BUD13 (2.4)	GPN1 (2.3)
RIC8B (1.8)	DPYSL5 (1.8)	SUMO1 (1.7)	ENSG00000235545 (1	KLF14 (1.4)
C8orf12 (2.1)	PCSK7 (1.9)	PLA2G6 (1.8)	ENSG00000200241 (1	ENSG00000257711 (1
USP1 (1.9)	NUP160 (1.8)	DOCK7 (1.7)	BUD13 (1.7)	CITED2 (1.5)
PDIA3 (1.7)	BRE (1.4)	ACP2 (1.4)	PCSK7 (1.3)	ENSG00000236267 (1
GPN1 (2.1)	SUGP1 (2.1)	MRPL35 (2.0)	HAVCR1 (2.0)	MTMR9 (1.9)
GPN1 (2.1)	SUGP1 (2.1)	MRPL35 (2.0)	HAVCR1 (2.0)	MTMR9 (1.9)
GPN1 (2.1)	SUGP1 (2.1)	MRPL35 (2.0)	HAVCR1 (2.0)	MTMR9 (1.9)
ZNF259 (2.3)	HARBI1 (2.2)	PPM1G (2.0)	UBXN2B (2.0)	SUGP1 (2.0)
GTF3C2 (3.0)	ZNF335 (2.7)	BUD13 (2.6)	KBTBD4 (2.5)	AMBRA1 (2.3)
MPP2 (1.8)	ENSG00000226645 (1	ABHD1 (1.8)	KLF14 (1.6)	CETP (1.4)
REEP1 (2.4)	EMILIN1 (2.2)	C1QTNF4 (2.1)	MPP2 (2.1)	TRNP1 (2.0)
C2orf53 (2.0)	ENSG00000254235 (2	DNAJC5G (2.0)	DOCK6 (1.9)	ENSG00000223745 (1
FUT1 (3.1)	PREB (3.1)	ENSG00000223522 (3	TBL2 (3.0)	ENSG00000200241 (2
FUT1 (3.1)	PREB (3.1)	ENSG00000223522 (3	TBL2 (3.0)	ENSG00000200241 (2
SOST (2.7)	PBX4 (2.2)	PTPN13 (2.2)	FAM167A (1.9)	CGREF1 (1.8)
DNAH10 (2.2)	C2orf53 (2.0)	ENSG00000223522 (1	DNAJC5G (1.6)	C1QTNF4 (1.6)
ABO (2.9)	ENSG00000182329 (2	KRTCAP3 (2.5)	REEP1 (2.3)	ENSG00000256746 (2
CKAP5 (3.1)	DNAH10 (2.7)	ENSG00000179523 (2	STRC (2.0)	LINC00208 (1.9)
DR1 (2.5)	PAFAH1B2 (2.3)	CHMP3 (2.0)	BCL7B (2.0)	ARHGAP1 (1.9)
DR1 (2.5)	PAFAH1B2 (2.3)	CHMP3 (2.0)	BCL7B (2.0)	ARHGAP1 (1.9)
CHMP3 (1.8)	UBXN2B (1.5)	ZDHHC18 (1.5)	MRPL33 (1.5)	GPN2 (1.4)
FNDC4 (1.7)	C17orf105 (1.7)	C8orf49 (1.6)	HARBI1 (1.6)	C1QTNF4 (1.4)
CILP2 (1.9)	NEIL2 (1.7)	ENSG00000223522 (1	G6PC3 (1.6)	LRP4 (1.5)
KDM3A (2.6)	SIK3 (2.4)	PAFAH1B2 (2.4)	ENSG00000179523 (2	MADD (2.3)
MPV17 (2.0)	RBKS (1.7)	BRE (1.6)	ENSG00000223745 (1	ENSG00000235545 (1
NRBP1 (2.8)	MPV17 (2.5)	SDCBP (2.4)	TMED5 (2.4)	MFAP1 (2.2)
PAFAH1B2 (3.0)	JMJD1C (2.7)	ABCA1 (2.5)	MFAP1 (2.4)	EIF3J (2.2)
NEIL2 (2.4)	UBXN2B (2.2)	MADD (2.1)	KDM3A (1.9)	IMMT (1.9)
OST4 (4.2)	MTCH2 (4.0)	IMMT (3.7)	PTPMT1 (3.0)	C2orf28 (2.6)
BNC2 (3.4)	FRMD5 (3.0)	C11orf9 (2.9)	FNDC4 (2.8)	ENSG00000256746 (2
TXNL4B (3.1)	SUPT7L (2.8)	LSM12 (2.7)	MTF2 (2.7)	MFAP1 (2.6)
DDB2 (2.9)	WDR76 (2.4)	CAD (2.4)	BAZ1B (2.2)	PPM1G (2.0)
CKAP5 (2.8)	CCDC18 (2.7)	PCSK7 (2.6)	SPG11 (2.5)	PPIP5K1 (2.5)
USP1 (4.2)	NUP160 (4.1)	CTDSPL2 (3.7)	CAD (3.4)	BAZ1B (3.3)
MADD (2.5)	SPG11 (2.4)	RASIP1 (2.3)	PPIP5K1 (2.0)	ZNF512 (1.9)
ENSG00000179523 (2	SUPT7L (2.2)	FNDC4 (2.2)	DHODH (2.2)	MTMR9 (2.1)
MPP2 (3.1)	MPP3 (2.7)	MAPRE3 (2.6)	MAPK10 (2.4)	CATSPER2 (2.4)
MAMSTR (2.5)	FUT2 (2.2)	MAPRE3 (2.1)	AFF1 (2.0)	LPL (2.0)
DUSP3 (2.8)	UBXN2B (2.5)	MAPRE3 (2.4)	IGF2R (2.3)	MFAP1 (2.2)
MPP3 (1.9)	C1QTNF4 (1.8)	PMFBP1 (1.8)	CSGALNACT1 (1.8)	AFF1 (1.4)
PACSIN3 (3.0)	ENSG00000257711 (2	GATA4 (2.2)	FZD9 (2.0)	REEP1 (2.0)
BAZ1B (3.1)	GTF3C2 (2.9)	BUD13 (2.8)	AMBRA1 (2.7)	PIGV (2.4)
NUP160 (3.6)	DDB2 (3.5)	CTDSPL2 (3.5)	MTF2 (3.4)	BAZ1B (3.2)
ENSG00000223522 (2	MAU2 (1.9)	LPAL2 (1.8)	ABO (1.7)	PBX4 (1.7)
BCAM (3.1)	MAMSTR (2.9)	TECTB (2.1)	LRP4 (1.8)	MAP1A (1.7)
CTDSPL2 (3.1)	NUP160 (3.0)	MTF2 (3.0)	DDB2 (2.8)	BAZ1B (2.5)
ATG4C (2.4)	CYP26A1 (2.4)	DNAH10 (2.4)	CCDC121 (2.3)	TMEM175 (2.1)
ENSG00000223745 (2	CLPTM1 (2.4)	ENSG00000223522 (2	PIGV (2.3)	C2orf28 (2.2)

CKAP5 (2.4)	CELF1 (2.4)	ARFGAP2 (2.3)	HDAC5 (2.2)	JMJD1C (2.1)
TRNP1 (2.6)	C8orf49 (2.4)	MAPK10 (2.2)	ZNF408 (2.0)	HAPLN4 (1.8)
TRIB1 (2.5)	MYBPC3 (2.4)	FRMD5 (2.2)	CITED2 (2.2)	ARID1A (2.1)
TRIB1 (2.5)	MYBPC3 (2.4)	FRMD5 (2.2)	CITED2 (2.2)	ARID1A (2.1)
STRC (3.0)	MPP3 (2.9)	SLC30A3 (2.8)	FUT1 (2.7)	CATSPER2 (2.4)
ARHGAP1 (3.6)	FRMD5 (3.3)	KANK2 (3.0)	TAGLN (2.7)	REEP1 (2.6)
TXNL4B (2.8)	CASC4 (2.6)	CTDSPL2 (2.5)	MTF2 (2.3)	DNAJC5G (2.3)
MAMSTR (1.8)	CCDC18 (1.8)	FUT1 (1.8)	STRC (1.7)	C1orf172 (1.6)
INTS10 (2.6)	TXNL4B (2.1)	GPN1 (2.1)	MFAP1 (2.1)	NSMAF (2.0)
INTS10 (2.6)	TXNL4B (2.1)	GPN1 (2.1)	MFAP1 (2.1)	NSMAF (2.0)
C1QTNF4 (3.0)	PAFAH1B2 (2.7)	IFT172 (2.6)	DPYSL5 (2.4)	SDCBP (2.4)
ZNF513 (2.8)	C2orf16 (2.4)	AMBRA1 (1.9)	HAVCR1 (1.9)	KBTBD4 (1.8)
CCDC121 (2.2)	LPAR2 (2.0)	ATG4C (2.0)	FAM167A (1.7)	C11orf49 (1.7)
OST4 (4.0)	PTPMT1 (3.5)	IMMT (3.2)	MTCH2 (3.1)	ENSG00000200241 (3
LINC00208 (2.5)	C2orf16 (2.5)	PMFBP1 (2.4)	ENSG00000182319 (2	ATG4C (1.9)
NRBF2 (2.8)	KBTBD4 (2.8)	GTF3C2 (2.6)	ZNF335 (2.4)	MTF2 (2.4)
CCDC121 (2.3)	FADS2 (2.3)	PPIP5K1 (2.2)	FEN1 (2.0)	NSMAF (1.8)
BRE (2.2)	SPG11 (2.2)	C2orf53 (2.2)	UBXN2B (2.1)	C11orf49 (1.9)
SNX17 (2.3)	MRPL35 (2.2)	EIF2B4 (2.1)	NFE2L3 (2.1)	C2orf28 (2.0)
MAP1A (2.4)	C1QTNF4 (2.3)	MAPK10 (2.3)	CLPTM1 (2.3)	DPYSL5 (2.2)
GPN1 (2.3)	ZNF259 (2.3)	DHX38 (2.1)	MPV17 (2.0)	SLC5A6 (2.0)
ENSG00000235545 (2	USP1 (2.5)	CCDC18 (2.4)	PTCD3 (2.2)	CTDSPL2 (2.2)
MRPL35 (2.7)	PTCD3 (2.7)	ENSG00000200241 (2	PPIP5K1 (2.5)	PTPMT1 (2.3)
CKAP5 (1.8)	NUP160 (1.8)	PPM1G (1.6)	AGBL5 (1.5)	CTDSPL2 (1.5)
C17orf105 (3.6)	PMFBP1 (2.9)	DNAJC5G (2.8)	TRNP1 (2.5)	COBLL1 (2.4)
WDR76 (2.7)	CAD (2.5)	INTS10 (2.5)	GPN1 (2.5)	LPA (2.3)
SFN (2.1)	ENSG00000179523 (2	CYP26A1 (1.9)	LRP4 (1.9)	BMPR2 (1.9)
SIK3 (2.5)	TOMM40 (2.1)	GPN1 (2.1)	ZNF259 (1.9)	SNX17 (1.9)
AGBL5 (2.1)	DNAH10 (1.9)	BAZ1B (1.9)	UCN (1.7)	NEIL2 (1.5)
DDB2 (4.5)	NUP160 (3.7)	CTDSPL2 (3.2)	BAZ1B (2.8)	ZNF512 (2.5)
CTSB (2.2)	ACP2 (2.1)	PTPRJ (2.0)	SDCBP (1.9)	MPV17 (1.9)
DNAH10 (2.0)	SLC30A3 (1.9)	BCAM (1.7)	TMEM101 (1.7)	MAPK10 (1.7)
DHX38 (2.9)	ZNF259 (2.7)	NUP160 (2.7)	GPN2 (2.6)	SUMO1 (2.5)
TP53BP1 (2.8)	IFT172 (2.6)	SUGP1 (2.4)	FDFT1 (2.3)	ZNF259 (2.2)
TUBGCP4 (2.4)	SUPT7L (2.3)	FNDC4 (2.2)	ENSG00000182329 (2	CASC4 (2.0)
TECTB (2.2)	C8orf12 (2.1)	FAM167A (2.1)	PBX4 (2.0)	FZD9 (2.0)
OST4 (4.2)	MTCH2 (3.9)	IMMT (3.8)	PTPMT1 (3.1)	C2orf28 (2.7)
DR1 (2.8)	NRBF2 (2.6)	SPG11 (2.5)	INTS10 (2.4)	TXNL4B (2.4)
DDB2 (3.4)	NUP160 (2.9)	MTF2 (2.7)	PTCD3 (2.7)	BAZ1B (2.7)
REEP1 (2.2)	ENSG00000222035 (2	SOST (1.9)	CYP26A1 (1.9)	CILP2 (1.7)
CTDSPL2 (4.4)	NUP160 (4.3)	CAD (3.8)	DDB2 (3.7)	BAZ1B (2.7)
SUPT7L (2.4)	STRC (2.4)	BRE (2.3)	ATG4C (2.2)	ENSG00000226645 (2
DHODH (3.2)	POLR1A (2.9)	PTCD3 (2.8)	GPN1 (2.5)	EIF3J (2.4)
SPG11 (3.0)	ZNF259 (3.0)	PTCD3 (2.9)	EIF2B4 (2.9)	FGF21 (2.9)
SOST (2.8)	RFX4 (2.6)	FAM167A (2.3)	ENSG00000253379 (2	CYP26A1 (2.0)
C8orf12 (2.4)	UCN (2.2)	PMFBP1 (2.1)	C1QTNF4 (2.1)	DNAH10 (2.0)
SUMO1 (2.1)	HAVCR1 (1.8)	FEN1 (1.7)	ENSG00000226645 (1	OST4 (1.7)
MPP3 (2.6)	ABO (2.5)	DNAJC5G (2.3)	C8orf12 (2.2)	FRMD5 (2.1)
FUT2 (2.6)	ATP13A1 (2.5)	SIDT2 (2.3)	MADD (2.3)	HAPLN4 (2.0)
PPIP5K1 (2.7)	AMBRA1 (2.7)	GTF3C2 (2.4)	TRNP1 (2.3)	NR0B2 (1.9)

CHMP3 (2.7)	NRBP1 (2.5)	IMMT (2.5)	PAFAH1B2 (2.4)	ARHGAP1 (2.4)
FNBP4 (2.4)	HDAC5 (2.2)	ZNF664 (2.2)	SLC22A3 (2.0)	TUBGCP4 (2.0)
MPP3 (2.1)	ENSG00000236827 (1	CASC4 (1.8)	PMFBP1 (1.7)	C2orf53 (1.6)
FDFT1 (2.2)	TXNL4B (2.2)	LPAR2 (2.0)	MAU2 (2.0)	TMED5 (2.0)
CKAP5 (3.0)	DNAH10 (2.7)	STRC (2.0)	ENSG00000179523 (1	SUGP1 (1.8)
CKAP5 (2.9)	DNAH10 (2.5)	STRC (2.1)	ZNF512 (2.1)	SUGP1 (1.8)
NR0B2 (2.2)	BNC2 (2.2)	ENSG00000255020 (2	TDH (1.9)	AGBL5 (1.9)
PPM1G (2.4)	MTMR9 (2.1)	CCDC92 (2.0)	ENSG00000182319 (2	PAFAH1B2 (1.9)
MAP1A (3.1)	ATG13 (2.8)	TRNP1 (2.6)	PAFAH1B2 (2.6)	CATSPER2 (2.5)
TRIM54 (2.7)	PDIA3 (2.6)	SDCBP (2.6)	NRBP1 (2.3)	MYBPC3 (2.3)
PYY (2.4)	MAPK10 (2.4)	C1QTNF4 (2.1)	HAPLN4 (1.8)	PMFBP1 (1.6)
TOMM40 (2.7)	MRPL33 (2.3)	ENSG00000226645 (2	SUMO1 (2.1)	TMED5 (2.1)
SUMO1 (2.4)	KDM3A (2.3)	C2orf16 (2.2)	DR1 (2.0)	BMPR2 (1.8)
CELF1 (2.1)	DUSP3 (2.0)	BLK (2.0)	CMIP (1.9)	PTPRJ (1.9)
USP1 (2.4)	DNAH10 (2.1)	TP53BP1 (1.9)	SPG11 (1.9)	FZD9 (1.8)
NEIL2 (2.0)	PIGV (1.9)	ACP2 (1.9)	ZDHHC18 (1.8)	CATSPER2 (1.8)
CTDSPL2 (3.2)	ENSG00000179523 (2	MPP3 (2.9)	TUBGCP4 (2.7)	PPIP5K1 (2.6)
DNAH10 (3.2)	C11orf49 (2.3)	TP53BP1 (2.1)	REEP1 (2.0)	CCDC92 (1.8)
REEP1 (2.4)	C1QTNF4 (2.4)	MAMSTR (2.3)	TAGLN (2.1)	MAPRE3 (2.1)
OST4 (2.1)	DUSP3 (2.0)	CETP (1.9)	CMIP (1.9)	RASIP1 (1.9)
UCN (2.5)	FADS1 (2.4)	CLPTM1 (2.3)	MAP1A (2.2)	ATP13A1 (2.1)
IMMT (3.4)	POLR1A (3.4)	SNX17 (3.2)	MTCH2 (3.2)	DOCK7 (3.1)
SLC22A3 (2.3)	MPP2 (2.2)	CGREF1 (2.2)	ENSG00000236827 (2	C2orf53 (2.0)
CLPTM1 (2.2)	RSPO3 (2.1)	SLC5A6 (1.6)	TMEM175 (1.6)	FADS2 (1.5)
ZNF335 (2.4)	PCIF1 (2.3)	SUMO1 (2.3)	ARFGAP2 (2.0)	CITED2 (2.0)
PCSK7 (2.9)	PREB (2.7)	CCDC18 (2.7)	CKAP5 (2.7)	TP53BP1 (2.6)
PYY (1.7)	GPAM (1.6)	FNDC4 (1.6)	CCDC121 (1.6)	C1QTNF4 (1.6)
CYP7A1 (3.2)	HAPLN4 (2.3)	REEP1 (2.3)	BNC2 (2.2)	ENSG00000254235 (2
SUMO1 (2.2)	BAZ1B (2.1)	DOCK7 (1.9)	RIC8B (1.9)	BUD13 (1.8)
TP53BP1 (2.0)	BMPR2 (1.9)	ZNF664 (1.9)	ENSG00000182329 (1	DPYSL5 (1.6)
C1QTNF4 (2.3)	BMPR2 (2.1)	CHMP3 (2.0)	TRIM54 (1.9)	MAP1A (1.8)
ATG13 (3.5)	IFT172 (3.4)	PCSK7 (2.9)	PDIA3 (2.8)	OST4 (2.8)
ARHGAP1 (3.4)	FRMD5 (3.0)	DUSP3 (2.6)	TAGLN (2.5)	KANK2 (2.4)
NRBF2 (2.0)	TDH (1.9)	ENSG00000255020 (1	TSSK6 (1.8)	TMEM101 (1.7)
PDIA3 (2.8)	PREB (2.6)	ATG13 (2.5)	MAPRE3 (2.5)	TBL2 (2.1)
DR1 (2.1)	HARBI1 (2.1)	ATG4C (2.0)	MAPRE3 (2.0)	ATG13 (1.8)
TBL2 (2.5)	BCAM (2.4)	C2orf28 (2.4)	CATSPER2 (2.2)	PPIP5K1 (2.2)
TBL2 (2.5)	BCAM (2.4)	C2orf28 (2.4)	CATSPER2 (2.2)	PPIP5K1 (2.2)
PAFAH1B2 (2.7)	DR1 (2.6)	MPV17 (2.1)	BCL7B (2.0)	SNX17 (2.0)
FUT2 (1.9)	HGFAC (1.9)	MTMR9 (1.8)	MAPK10 (1.8)	EIF3J (1.7)
ZNF512 (2.6)	GTF3C2 (2.5)	NRBP1 (2.4)	MFAP1 (2.3)	ENSG00000235545 (2
MTMR9 (2.9)	KBTBD4 (2.1)	POLR1A (2.0)	ZNF408 (2.0)	ZNF513 (2.0)
NEIL2 (2.5)	PTPMT1 (2.2)	TUBGCP4 (1.9)	DHODH (1.8)	LPL (1.7)
TMEM101 (2.2)	CCDC121 (1.8)	ENSG00000253379 (1	LRP4 (1.7)	ENSG00000179523 (1
HAPLN4 (3.1)	MAP1A (2.8)	MAPRE3 (2.7)	MPP3 (2.7)	SLC30A3 (2.5)
LSM12 (2.6)	ZNF512 (2.4)	PPM1G (2.3)	USP1 (2.2)	CAD (2.1)
LSM12 (2.6)	ZNF512 (2.4)	PPM1G (2.3)	USP1 (2.2)	CAD (2.1)
MPV17 (2.1)	ENSG00000179523 (2	ENSG00000200241 (1	MAMSTR (1.9)	CGREF1 (1.8)
MPV17 (2.1)	ENSG00000179523 (2	ENSG00000200241 (1	MAMSTR (1.9)	CGREF1 (1.8)
SNX17 (2.6)	NFE2L3 (2.4)	MTCH2 (2.3)	MRPL35 (2.3)	SUGP1 (2.2)

NUP160 (3.7)	DDB2 (3.6)	CTDSPL2 (3.5)	MTF2 (3.2)	BAZ1B (3.0)
REEP3 (2.5)	ATP13A1 (1.9)	PCSK7 (1.8)	SIDT2 (1.8)	C2orf53 (1.8)
ABHD1 (1.9)	TM6SF2 (1.8)	CLPTM1 (1.7)	HAPLN4 (1.7)	NAGS (1.6)
LSM12 (2.8)	MTF2 (2.7)	KBTBD4 (2.6)	TXNL4B (2.6)	GTF3C2 (2.5)
ARFGAP2 (2.7)	PCIF1 (2.7)	CELF1 (2.4)	BUD13 (2.4)	ARID1A (2.3)
PIGV (2.2)	IZUMO1 (2.2)	C2orf16 (2.1)	ENSG00000182329 (1	C17orf105 (1.9)
PIGV (2.2)	IZUMO1 (2.2)	C2orf16 (2.1)	ENSG00000182329 (1	C17orf105 (1.9)
LPAL2 (1.5)	LINC00208 (1.3)	ABHD1 (1.3)	MAPK10 (1.3)	EPB41L3 (1.3)
TMEM175 (2.8)	DNAH10 (2.4)	USP1 (2.1)	PTCD3 (1.5)	NOP58 (1.5)
C1QTNF4 (2.0)	REEP1 (2.0)	C8orf49 (1.8)	ENSG00000182329 (1	C2orf53 (1.5)
MAP1A (3.0)	MADD (2.7)	NCAN (2.6)	MAFF (2.3)	HAPLN4 (2.3)
SNX17 (2.8)	SPG11 (2.8)	ATG13 (2.7)	CHMP3 (2.5)	TBL2 (2.3)
ZDHHC18 (2.0)	ENSG00000223522 (1	HAVCR1 (1.9)	C2orf53 (1.8)	ENSG00000222035 (1
PDIA3 (1.7)	ACP2 (1.6)	PCSK7 (1.5)	ENSG00000236267 (1	C8orf12 (1.3)
CKAP5 (3.1)	DNAH10 (2.9)	STRC (2.1)	SUGP1 (1.7)	LINC00208 (1.7)
KBTBD4 (2.7)	TMEM175 (2.4)	MAU2 (2.3)	CKAP5 (2.1)	NRBP1 (2.1)
MYBPC3 (2.4)	LSM12 (2.4)	MAPRE3 (2.2)	C8orf49 (2.1)	SOST (2.0)
NFE2L3 (2.4)	ENSG00000255020 (2	MTCH2 (2.4)	MRPL35 (2.3)	SUGP1 (2.3)
REEP3 (2.5)	PCIF1 (2.5)	SNX17 (2.0)	MAU2 (1.9)	IFT172 (1.8)
NUP160 (3.4)	USP1 (3.2)	CTDSPL2 (3.0)	CAD (2.5)	INTS10 (2.4)
USP1 (3.3)	WDR76 (2.6)	LINC00208 (1.8)	DDB2 (1.8)	C11orf9 (1.5)
PCSK7 (1.6)	ACP2 (1.4)	NR1H3 (1.3)	BRE (1.3)	ENSG00000236267 (1
TRIM54 (3.3)	ENSG00000254235 (2	PACSIN3 (2.4)	SLC30A3 (2.1)	ENSG00000255020 (2
PREB (2.5)	GPN1 (2.4)	MFAP1 (2.4)	BUD13 (2.3)	KRTCAP3 (2.3)
DDB2 (4.6)	CTDSPL2 (4.2)	NUP160 (3.7)	BAZ1B (2.7)	CAD (2.5)
SUMO1 (2.1)	NUP160 (1.9)	BAZ1B (1.8)	ARID1A (1.7)	WDR76 (1.7)
SUGP1 (2.3)	SNX17 (2.2)	GTF3C2 (2.2)	ATP13A1 (1.9)	SLC30A3 (1.9)
HDAC5 (2.4)	EMILIN1 (2.1)	NCAN (2.0)	ARID1A (1.9)	SLC22A3 (1.8)
CCDC18 (2.4)	AGBL5 (2.3)	C11orf49 (2.1)	ENSG00000256731 (2	ENSG00000223745 (2
PREB (3.2)	ENSG00000200241 (3	TBL2 (2.9)	FUT1 (2.9)	ENSG00000223522 (2
SFN (2.1)	KRTCAP3 (2.1)	LRP4 (1.8)	BCAM (1.7)	RASIP1 (1.7)
LRP4 (2.3)	PVRL2 (2.3)	CCDC121 (2.1)	FZD9 (1.7)	KANK2 (1.7)
HAVCR1 (1.9)	PBX4 (1.9)	BLK (1.9)	ZDHHC18 (1.9)	APOC1 (1.7)
PTPMT1 (2.6)	MRPL33 (2.2)	ENSG00000226645 (2	TMED5 (2.0)	TXNL4B (2.0)
NRBP1 (2.1)	AFF1 (1.8)	ARFGAP2 (1.8)	PPM1G (1.8)	MPV17 (1.7)
PLA2G6 (2.5)	GPN1 (2.5)	IMMT (2.1)	SUMO1 (1.9)	SNX17 (1.9)
TAGLN (2.1)	PVRL2 (1.8)	REEP1 (1.5)	ABHD1 (1.5)	FGF21 (1.3)
MAPK10 (2.1)	TDH (2.0)	GALNT2 (2.0)	DNAH10 (1.9)	HAVCR1 (1.8)
SNX17 (2.0)	USP1 (1.9)	DDB2 (1.8)	MRPL33 (1.8)	RFX4 (1.8)
BAZ1B (2.5)	USP1 (2.1)	FADS1 (2.1)	NUP160 (2.1)	CKAP5 (2.0)
ENSG00000226645 (2	ZNF259 (2.1)	SUGP1 (2.0)	EIF3J (2.0)	FNDC4 (2.0)
TBL2 (2.3)	CTSB (2.3)	CLPTM1 (2.3)	TMEM214 (2.3)	ZNF512 (1.7)
STRC (1.7)	KRTCAP3 (1.6)	ENSG00000182329 (1	C11orf9 (1.6)	USP1 (1.5)
MFAP1 (2.3)	PCIF1 (2.3)	SUGP1 (2.2)	EIF3J (2.2)	DHODH (2.1)
ZNF512 (2.1)	FNDC4 (1.9)	TSSK6 (1.8)	ZNF664 (1.8)	UCN (1.6)
ENSG00000257711 (2	FGF21 (2.3)	PCSK7 (1.8)	ENSG00000235545 (1	ENSG00000182329 (1
C11orf49 (2.2)	FNDC4 (2.0)	ENSG00000256731 (2	LPAR2 (1.9)	HARBI1 (1.7)
C11orf49 (2.2)	FNDC4 (2.0)	ENSG00000256731 (2	LPAR2 (1.9)	HARBI1 (1.7)
NSMAF (1.8)	KBTBD4 (1.7)	ENSG00000256746 (1	ATG4C (1.6)	C2orf53 (1.6)
DR1 (2.4)	PCIF1 (2.4)	ZNF664 (2.2)	REEP1 (2.0)	ENSG00000234945 (2

ATG4C (2.3)	UBXN2B (2.3)	DHODH (2.1)	KBTBD4 (2.1)	CMIP (2.0)
SUMO1 (2.3)	RIC8B (1.9)	KDM3A (1.8)	USP1 (1.8)	TXNL4B (1.7)
PYY (2.3)	PMFBP1 (2.0)	ABO (1.9)	CASC4 (1.8)	LPAL2 (1.7)
BCAM (2.7)	COBLL1 (2.6)	C1orf172 (2.3)	ENSG00000223745 (2	IZUMO1 (2.2)
FUT2 (2.1)	RIC8B (2.1)	PAFAH1B2 (1.9)	DDB2 (1.8)	CTDSPL2 (1.7)
MYBPC3 (2.9)	MPP2 (2.8)	DPYSL5 (2.5)	KLF14 (2.2)	REEP1 (2.1)
NUP160 (1.9)	SUMO1 (1.9)	BAZ1B (1.8)	RIC8B (1.7)	ARID1A (1.7)
SUMO1 (2.0)	NUP160 (2.0)	BAZ1B (1.8)	SUGP1 (1.7)	WDR76 (1.6)
DR1 (2.4)	BAZ1B (2.3)	SUMO1 (2.2)	USP1 (2.1)	MFAP1 (1.9)
KHK (2.3)	ABHD1 (2.2)	HAVCR1 (2.2)	LPAR2 (1.9)	ANGPTL3 (1.8)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
MTCH2 (2.6)	ENSG00000200241 (2	NFE2L3 (2.5)	MRPL35 (2.1)	HARBI1 (2.1)
CTSB (1.9)	RFX4 (1.9)	ENSG00000254235 (1	APOE (1.8)	SDCBP (1.8)
TRIM54 (4.1)	GATA4 (3.0)	SLC30A3 (2.4)	PACSIN3 (2.1)	C17orf105 (1.9)
MADD (2.1)	IZUMO1 (2.1)	ENSG00000200241 (1	KLF14 (1.9)	CGREF1 (1.8)
MAPK10 (1.7)	STRC (1.5)	C8orf12 (1.4)	KLF14 (1.4)	MPP3 (1.4)
C11orf49 (2.5)	PCSK7 (2.5)	NEIL2 (2.5)	KDM3A (2.1)	SDCBP (2.0)
NCAN (2.5)	C11orf49 (2.3)	MAP1A (2.3)	MPP2 (2.2)	CCDC92 (2.1)
ZNF513 (3.3)	LSM12 (2.8)	MTF2 (2.7)	TXNL4B (2.3)	GPN1 (2.2)
AGBL5 (2.2)	IFT172 (2.1)	MTMR9 (2.0)	SLC22A3 (2.0)	TUBGCP4 (1.9)
BRE (2.1)	UBXN2B (2.0)	INTS10 (2.0)	TMEM175 (2.0)	ATG4C (2.0)
C1QTNF4 (1.9)	ENSG00000256746 (1	MADD (1.9)	SLC30A3 (1.8)	PCIF1 (1.8)
CAD (2.2)	ZNF512 (2.0)	BRE (1.8)	PPIP5K1 (1.8)	SUMO1 (1.8)
RIC8B (2.5)	STRC (2.4)	FNDC4 (2.1)	C11orf49 (1.9)	C11orf9 (1.8)
CLPTM1 (2.4)	NRBP1 (2.1)	ACP2 (2.1)	PGS1 (1.9)	DUSP3 (1.9)
PCSK7 (2.4)	SDCBP (2.3)	TMEM175 (2.2)	MAPRE3 (1.9)	REEP1 (1.8)
HARBI1 (3.2)	SUMO1 (2.6)	DR1 (2.3)	ENSG00000226645 (2	AMBRA1 (2.2)
UBXN2B (2.2)	PLA2G6 (1.8)	ZNF408 (1.7)	PGS1 (1.7)	DR1 (1.6)
SDCBP (2.0)	DR1 (2.0)	TMED5 (2.0)	ENSG00000200241 (2	TUBGCP4 (1.9)
BUD13 (1.6)	FADS1 (1.6)	GATAD2A (1.5)	CKAP5 (1.4)	CTDSPL2 (1.3)
RIC8B (1.8)	BAZ1B (1.7)	PPM1G (1.7)	INTS10 (1.6)	DOCK7 (1.5)
ENSG00000223522 (2	UBXN2B (2.5)	WDR76 (2.4)	NSMAF (2.3)	FEN1 (2.1)
COBLL1 (2.9)	BCAM (2.6)	C1orf172 (2.4)	ENSG00000179523 (2	IZUMO1 (2.3)
MPP3 (3.0)	DPYSL5 (2.9)	HAPLN4 (2.7)	TRNP1 (2.5)	MAP1A (2.4)
ZNF512 (1.9)	DUSP3 (1.8)	C8orf12 (1.8)	TRNP1 (1.7)	DR1 (1.6)
POLR1A (2.6)	SLC5A6 (2.5)	NOP58 (2.2)	MPV17 (2.0)	ZNF259 (2.0)
TXNL4B (2.3)	ENSG00000182329 (2	IFT172 (2.2)	GTF3C2 (2.0)	GPN1 (2.0)
PPM1G (2.7)	SNX17 (2.6)	TOMM40 (2.6)	GPN1 (2.3)	PDIA3 (2.2)
MAP1A (2.8)	MAPRE3 (2.7)	ENSG00000182329 (2	MPP3 (2.5)	CELF1 (2.4)
ARID1A (2.2)	MAFF (2.0)	CMIP (2.0)	ENSG00000226645 (1	ENSG00000200241 (1
KRTCAP3 (2.5)	HAPLN4 (2.4)	RFX4 (2.3)	ENSG00000256731 (2	ENSG00000257711 (1
FGF21 (2.6)	EPB41L3 (2.4)	TRIM54 (2.3)	MAPRE3 (2.3)	JMJD1C (2.2)
NCAN (2.0)	MAP1A (2.0)	MTMR9 (2.0)	DPYSL5 (2.0)	PPIP5K1 (1.9)
DNAH10 (2.4)	MPP3 (2.0)	KHK (2.0)	CCDC92 (1.6)	CGREF1 (1.6)
USP1 (2.7)	WDR76 (2.7)	NUP160 (2.5)	GTF3C2 (2.3)	BAZ1B (2.2)
KBTBD4 (2.6)	SUMO1 (2.5)	FNBP4 (2.2)	UBXN2B (2.0)	ZNF664 (1.9)

KBTBD4 (2.6)	SUMO1 (2.5)	FNBP4 (2.2)	UBXN2B (2.0)	ZNF664 (1.9)
BLK (2.2)	SIK3 (1.9)	PGS1 (1.9)	ZDHHC18 (1.9)	GMIP (1.7)
ABO (1.8)	ENSG00000223522 (1	MAPRE3 (1.7)	NEIL2 (1.6)	LRP4 (1.6)
LPAL2 (2.2)	ABO (2.1)	UCN (1.9)	MAPK10 (1.9)	C1QTNF4 (1.7)
NCAN (2.0)	APOE (1.9)	AGBL2 (1.9)	PLTP (1.8)	ACP2 (1.8)
ACP2 (2.2)	ENSG00000256746 (2	IFT172 (2.0)	PLTP (1.9)	SUMO1 (1.8)
CHMP3 (2.5)	AGBL5 (2.4)	PREB (2.4)	SDCBP (2.2)	SNX17 (2.1)
TBL2 (2.4)	CGREF1 (2.1)	WDR76 (2.1)	FEN1 (1.7)	ENSG00000257711 (1
GMIP (2.0)	APOE (1.9)	BRE (1.9)	DOCK7 (1.8)	ZDHHC18 (1.7)
PPY (1.6)	KLF14 (1.6)	ATG13 (1.6)	ENSG00000226645 (1	PGS1 (1.5)
FNDC4 (2.2)	GATA4 (1.9)	CD300LG (1.8)	ANGPTL4 (1.8)	KRTCAP3 (1.8)
PCIF1 (2.2)	LSM12 (2.1)	MTMR9 (1.8)	ENSG00000179523 (1	MFAP1 (1.6)
MTCH2 (3.8)	OST4 (3.6)	IMMT (3.6)	C2orf28 (2.3)	PTPMT1 (2.2)
BAZ1B (3.9)	ARID1A (2.8)	MTF2 (2.5)	CCDC18 (2.3)	DDB2 (2.3)
GPN2 (2.7)	MFAP1 (2.5)	AGBL5 (2.4)	SIK3 (2.3)	DR1 (2.2)
IZUMO1 (2.3)	MPP2 (2.0)	ENSG00000236267 (1	PYY (1.7)	CATSPER2 (1.7)
DDB2 (3.7)	MTF2 (3.4)	CTDSPL2 (3.3)	NUP160 (3.0)	BAZ1B (2.9)
OST4 (4.4)	MTCH2 (3.9)	IMMT (3.7)	PTPMT1 (2.9)	C2orf28 (2.9)
KLF14 (2.6)	RASIP1 (2.3)	CSGALNACT1 (2.2)	FRMD5 (2.2)	ABO (2.2)
CITED2 (2.6)	SDCBP (2.5)	BAZ1B (2.4)	NRBP1 (2.2)	CHMP3 (2.0)
DDB2 (2.2)	BCL3 (2.1)	MPP3 (2.1)	MYBPC3 (2.1)	MAFF (2.0)
ENSG00000200241 (2	C8orf12 (2.5)	NFE2L3 (2.5)	HARBI1 (2.1)	MRPL35 (2.1)
ENSG00000200241 (2	C8orf12 (2.5)	NFE2L3 (2.5)	HARBI1 (2.1)	MRPL35 (2.1)
DDB2 (3.8)	NUP160 (3.3)	CTDSPL2 (3.2)	BAZ1B (3.2)	TUBGCP4 (2.8)
TOMM40 (2.2)	NDUFS3 (2.2)	BRE (2.2)	UCN (2.1)	RBKS (2.0)
ANGPTL4 (2.2)	ZNF259 (2.2)	CCDC121 (2.0)	BAZ1B (1.9)	SUMO1 (1.9)
C11orf9 (2.4)	TECTB (2.3)	ABHD1 (2.2)	NFE2L3 (2.1)	G6PC3 (2.0)
NFE2L3 (1.5)	MAFF (1.5)	C17orf105 (1.5)	SIDT2 (1.5)	BCL3 (1.4)
BAZ1B (2.3)	BCL7B (2.2)	SNX17 (1.9)	MAMSTR (1.9)	ANGPTL4 (1.8)
ENSG00000254235 (2	TMEM101 (2.2)	LPAR2 (2.0)	CGREF1 (1.9)	CBLC (1.8)
PAFAH1B2 (2.6)	ENSG00000257711 (2	UBXN2B (2.5)	CASC4 (2.3)	ENSG00000255020 (2
MRPL35 (2.7)	PTCD3 (2.5)	PPIP5K1 (2.2)	ABHD1 (2.1)	ENSG00000200241 (2
TDH (2.0)	ENSG00000223745 (1	C8orf49 (1.9)	ENSG00000182329 (1	MPP2 (1.4)
PBX4 (2.0)	BNC2 (2.0)	TMEM101 (2.0)	EMILIN1 (1.9)	FAM167A (1.8)
ZNF664 (2.1)	DNAJC5G (1.8)	PBX4 (1.7)	LRP4 (1.7)	RFX4 (1.6)
FNBP4 (2.6)	PPM1G (2.6)	ZNF259 (2.5)	SUPT7L (2.5)	NOP58 (2.4)
FADS2 (2.8)	PREB (2.4)	MADD (2.1)	LINC00208 (2.0)	TBL2 (2.0)
PTPRJ (3.0)	MPP2 (2.8)	CELF1 (2.4)	ENSG00000223745 (2	MAMSTR (2.2)
NUP160 (2.2)	CTDSPL2 (2.0)	DDB2 (2.0)	MTF2 (1.9)	WDR76 (1.8)
ENSG00000236267 (2	DR1 (2.0)	ENSG00000256746 (1	TMED5 (1.8)	PAFAH1B2 (1.7)
FUT2 (2.1)	SOST (2.1)	TRIB1 (2.0)	DNAH10 (2.0)	IZUMO1 (1.8)
TSSK6 (2.6)	NRBF2 (2.5)	PMFBP1 (2.2)	AFF1 (2.2)	TMEM175 (2.1)
ZDHHC18 (2.9)	DR1 (2.6)	CMIP (2.4)	DNAH10 (2.3)	CHMP3 (2.2)
PPIP5K1 (2.2)	AGBL2 (2.2)	PTPMT1 (2.2)	NDUFS3 (2.1)	TMEM175 (2.0)
MAP1A (2.5)	C11orf49 (2.4)	CHMP3 (2.3)	PPIP5K1 (2.3)	SLC30A3 (2.2)
MTF2 (3.0)	LSM12 (2.8)	TXNL4B (2.8)	SUPT7L (2.6)	KBTBD4 (2.6)
NUP160 (3.3)	DDB2 (3.2)	CTDSPL2 (2.9)	CCDC18 (2.5)	MTF2 (2.5)
FAM167A (2.2)	ARID1A (1.9)	C1orf172 (1.8)	SDC1 (1.7)	ENSG00000254235 (1
DDB2 (3.2)	NUP160 (2.9)	CTDSPL2 (2.8)	BAZ1B (2.6)	MTF2 (2.5)
PMFBP1 (2.6)	TAGLN (2.4)	MYBPC3 (2.3)	C2orf53 (2.2)	ENSG00000182319 (2

DOCK6 (2.3)	SFN (2.2)	REEP1 (2.2)	DOCK7 (2.1)	TAGLN (2.1)
SUMO1 (2.1)	NUP160 (2.0)	RIC8B (1.8)	BAZ1B (1.8)	EIF3J (1.7)
MPV17 (3.1)	MAPK10 (2.4)	SUPT7L (2.1)	TP53BP1 (2.1)	NRBP1 (2.0)
TBL2 (2.9)	ATP13A1 (2.7)	G6PC3 (2.4)	PPIP5K1 (2.2)	BCAM (1.8)
PACSIN3 (2.3)	TRIM54 (2.3)	TUBGCP4 (2.3)	IFT172 (2.2)	MTMR9 (2.1)
EIF3J (2.7)	POLR1A (2.6)	NOP58 (2.4)	SPG11 (2.1)	MAFF (2.1)
RFX4 (2.2)	HAPLN4 (2.2)	ABCA1 (2.1)	REEP3 (2.0)	MAP1A (2.0)
MAPRE3 (2.4)	ATG13 (2.2)	CCDC18 (2.2)	MAPK10 (2.2)	MAP1A (2.2)
ZNF408 (2.5)	ATP13A1 (2.4)	TRIM54 (2.2)	UCN (2.1)	CLPTM1 (2.1)
NEIL2 (2.4)	ZNF259 (2.3)	UBXN2B (2.2)	MRPL33 (2.2)	SUGP1 (2.1)
NEIL2 (2.4)	ZNF259 (2.3)	UBXN2B (2.2)	MRPL33 (2.2)	SUGP1 (2.1)
NR1H3 (1.7)	PBX4 (1.7)	PCSK7 (1.6)	ACP2 (1.4)	GALNT2 (1.4)
TMEM101 (2.5)	ENSG00000200241 (2	NFE2L3 (2.4)	EIF2B4 (2.2)	MTCH2 (2.2)
GATA4 (3.7)	FRMD5 (3.2)	ARHGAP1 (1.6)	C2orf53 (1.6)	IZUMO1 (1.4)
PMFBP1 (2.2)	AFF1 (2.1)	RBKS (1.8)	PLTP (1.5)	LPAR2 (1.4)
MPP3 (2.1)	CSGALNACT1 (2.0)	MADD (2.0)	DNAJC5G (2.0)	ENSG00000256746 (2
HDAC5 (2.6)	MAPK10 (2.5)	DUSP3 (2.4)	SNX17 (2.3)	TRNP1 (2.3)
PCSK7 (2.1)	ENSG00000257711 (2	NFE2L3 (2.0)	AGBL2 (1.8)	C17orf105 (1.8)
BAZ1B (3.8)	ARID1A (2.8)	MTF2 (2.6)	CCDC18 (2.5)	CKAP5 (2.4)
NFE2L3 (2.4)	KBTBD4 (2.3)	MTCH2 (2.3)	SUGP1 (2.3)	ENSG00000255020 (2
NFE2L3 (2.4)	KBTBD4 (2.3)	MTCH2 (2.3)	SUGP1 (2.3)	ENSG00000255020 (2
SOST (1.9)	PPIP5K1 (1.9)	EPB41L3 (1.9)	CCDC18 (1.8)	REEP1 (1.7)
DNAJC5G (2.1)	ENSG00000223745 (2	IZUMO1 (1.9)	CGREF1 (1.9)	PBX4 (1.8)
ENSG00000236267 (1	ENSG00000255020 (1	ZDHHC18 (1.9)	PLA2G6 (1.8)	DDB2 (1.8)
MAU2 (2.0)	AGBL2 (1.9)	ENSG00000236267 (1	NSMAF (1.9)	BCL7B (1.8)
ENSG00000179523 (2	JMJD1C (2.3)	SIK3 (2.2)	MFAP1 (2.1)	CASC4 (2.1)
RIC8B (2.7)	ATG4C (2.6)	C2orf53 (2.6)	ENSG00000236827 (2	MPP3 (2.1)
TP53BP1 (3.1)	AGBL2 (2.8)	TMEM175 (2.8)	PTPN13 (2.5)	PBX4 (2.3)
ARHGAP1 (2.1)	C1orf172 (1.9)	C8orf49 (1.9)	BCAM (1.9)	PACSIN3 (1.9)
JMJD1C (2.4)	C17orf105 (2.2)	PVRL2 (2.2)	NRBF2 (2.2)	NRBP1 (2.0)
HAVCR1 (1.9)	C17orf105 (1.9)	RBKS (1.9)	ENSG00000236267 (1	ENSG00000222035 (1
MTCH2 (2.5)	C8orf12 (2.5)	ENSG00000200241 (2	ENSG00000256731 (2	DDB2 (2.2)
DDB2 (2.3)	MTF2 (2.1)	BUD13 (2.0)	ENSG00000234945 (2	CTDSPL2 (1.9)
SLC22A3 (2.6)	PVRL2 (2.3)	TRIB1 (2.1)	BMPR2 (1.9)	TMEM101 (1.9)
HAPLN4 (2.3)	MPP2 (2.2)	MAPK10 (2.2)	RFX4 (2.1)	NCAN (2.0)
DOCK7 (3.1)	CKAP5 (3.1)	SPG11 (2.9)	CHMP3 (2.4)	MAP1A (2.3)
KBTBD4 (2.2)	KDM3A (1.9)	CCDC18 (1.9)	PIGV (1.9)	UBXN2B (1.8)
SLC30A3 (2.3)	CGREF1 (2.2)	TSSK6 (2.1)	PMFBP1 (2.1)	RIC8B (1.9)
CTDSPL2 (3.0)	SNX17 (3.0)	NRBP1 (3.0)	GPN1 (3.0)	MFAP1 (2.7)
SLC22A3 (2.7)	KANK2 (2.2)	DNAH10 (2.0)	TRIB1 (1.9)	MAMSTR (1.9)
CYP7A1 (1.9)	SIDT2 (1.7)	C8orf12 (1.7)	CTSB (1.7)	TECTB (1.7)
REEP1 (2.7)	LINC00208 (2.6)	MYBPC3 (2.5)	FRMD5 (2.5)	FZD9 (2.4)
CMIP (1.9)	TMEM175 (1.8)	MADD (1.8)	GATAD2A (1.8)	MAFF (1.7)
FUT1 (2.2)	IZUMO1 (1.8)	ENSG00000234945 (1	PMFBP1 (1.7)	FADS2 (1.7)
STRC (2.4)	MPV17 (2.1)	DUSP3 (2.1)	BRE (2.0)	SUPT7L (1.9)
REEP1 (3.2)	KANK2 (2.7)	ARHGAP1 (2.5)	DUSP3 (1.5)	MRPL33 (1.5)
CSGALNACT1 (2.7)	SLC30A3 (2.4)	KANK2 (2.2)	MADD (2.1)	CCDC92 (2.1)
CSGALNACT1 (2.7)	SLC30A3 (2.4)	KANK2 (2.2)	MADD (2.1)	CCDC92 (2.1)
ARFGAP2 (2.9)	SUGP1 (2.6)	IFT172 (2.4)	EIF2B4 (2.3)	ZNF335 (2.2)
IMMT (2.8)	NUP160 (2.7)	SUGP1 (2.7)	ENSG00000235545 (2	PTCD3 (2.3)

ZNF512 (3.1)	TUBGCP4 (2.6)	BRE (2.6)	PCIF1 (2.4)	DDB2 (2.3)
ZNF512 (3.1)	TUBGCP4 (2.6)	BRE (2.6)	PCIF1 (2.4)	DDB2 (2.3)
FZD9 (2.6)	NCAN (2.3)	FRMD5 (2.0)	MPP3 (1.9)	KLF14 (1.9)
WDR76 (1.9)	CASC4 (1.6)	USP1 (1.6)	DOCK7 (1.4)	DNAH10 (1.4)
MAP1A (2.0)	MYBPC3 (2.0)	CELF1 (1.9)	PTPRJ (1.8)	CMIP (1.8)
CELF1 (1.8)	DPYSL5 (1.8)	TRIB1 (1.7)	SOST (1.7)	IFT172 (1.6)
NFE2L3 (2.5)	DDB2 (2.4)	EIF2B4 (2.3)	C8orf12 (2.1)	ARFGAP2 (2.1)
BNC2 (1.8)	ENSG00000256746 (1	ENSG00000255020 (1	ENSG00000254235 (1	ABO (1.4)
MRPL35 (3.4)	ENSG00000200241 (2	PPIP5K1 (2.1)	IMMT (2.1)	PGS1 (1.9)
MAP1A (2.6)	SUMO1 (2.5)	CHMP3 (2.4)	PCSK7 (2.3)	C2orf53 (2.0)
ENSG00000257711 (2	ENSG00000256731 (1	GTF3C2 (1.9)	SUMO1 (1.7)	TSSK6 (1.6)
MAPK10 (2.5)	KLF14 (2.3)	CHMP3 (2.1)	TXNL4B (2.1)	MTCH2 (2.0)
SDCBP (2.3)	NCAN (2.3)	C11orf49 (2.1)	DPYSL5 (2.0)	C1QTNF4 (1.9)
VEGFA (3.4)	ZNF259 (3.3)	EIF3J (2.8)	SUGP1 (2.7)	IMMT (2.5)
TSSK6 (2.8)	PAFAH1B2 (2.7)	C8orf12 (2.5)	ENSG00000182329 (2	MAPK10 (2.3)
EPB41L3 (2.2)	DPYSL5 (2.2)	DUSP3 (2.2)	C11orf49 (2.2)	ENSG00000222035 (2
EPB41L3 (2.2)	DPYSL5 (2.2)	DUSP3 (2.2)	C11orf49 (2.2)	ENSG00000222035 (2
MAPRE3 (2.3)	C1QTNF4 (2.3)	FNDC4 (2.1)	DUSP3 (2.0)	CHMP3 (1.9)
ENSG00000223522 (2	MAPRE3 (2.4)	MPP2 (2.4)	ZNF664 (2.3)	ENSG00000236267 (2
TSSK6 (2.2)	SDCBP (2.1)	FAM167A (2.0)	PMFBP1 (1.9)	CILP2 (1.9)
SLC5A6 (1.9)	ENSG00000223745 (1	DPYSL5 (1.8)	HAVCR1 (1.7)	DNAH10 (1.6)
LRP4 (2.7)	ENSG00000256746 (2	RASIP1 (2.6)	FAM167A (2.5)	PTPN13 (2.2)
TMEM101 (1.8)	ATG4C (1.8)	ABO (1.7)	CCDC121 (1.5)	FZD9 (1.4)
MTF2 (3.2)	TUBGCP4 (2.9)	CCDC18 (2.3)	CTDSPL2 (2.3)	BAZ1B (2.2)
PVRL2 (2.3)	SDC1 (2.3)	PTPMT1 (2.2)	GATAD2A (2.2)	FNDC4 (2.1)
ZNF335 (2.5)	DOCK6 (2.4)	KBTBD4 (2.3)	PTCD3 (2.2)	ZNF259 (2.1)
DPYSL5 (2.2)	AGBL2 (1.8)	MAPRE3 (1.7)	ENSG00000223745 (1	KRTCAP3 (1.6)
ENSG00000236267 (2	MPP3 (2.9)	STRC (2.4)	NEIL2 (2.4)	DNAH10 (2.1)
DDB2 (2.4)	MFAP1 (2.4)	TUBGCP4 (2.2)	GPN1 (2.2)	SUGP1 (2.2)
USP1 (3.9)	WDR76 (3.0)	CTDSPL2 (2.5)	NUP160 (2.1)	PTCD3 (1.7)
USP1 (2.8)	NOP58 (2.2)	OST4 (2.0)	WDR76 (1.8)	PTCD3 (1.6)
USP1 (2.8)	NOP58 (2.2)	OST4 (2.0)	WDR76 (1.8)	PTCD3 (1.6)
GATA4 (3.7)	TRIM54 (3.0)	PACSIN3 (2.6)	ENSG00000254235 (2	ENSG00000255020 (2
BUD13 (2.5)	IZUMO1 (2.4)	TP53BP1 (2.3)	IFT172 (2.1)	CCDC121 (1.9)
PMFBP1 (4.3)	ENSG00000222035 (2	ENSG00000256746 (2	CCDC18 (2.2)	IZUMO1 (2.1)
RIC8B (2.0)	BAZ1B (1.9)	SUMO1 (1.9)	NUP160 (1.9)	ARID1A (1.8)
C8orf12 (2.3)	SLC30A3 (2.2)	MAPRE3 (2.2)	CSGALNACT1 (2.2)	DOCK6 (1.9)
TRNP1 (2.8)	NCAN (2.7)	C11orf9 (2.0)	CMIP (1.9)	EPB41L3 (1.9)
CSGALNACT1 (2.2)	CMIP (2.1)	HDAC5 (2.1)	DUSP3 (2.1)	C8orf49 (2.0)
ZNF259 (2.0)	GALNT2 (1.9)	CCDC92 (1.7)	ABHD1 (1.7)	MRPL35 (1.7)
AGBL2 (4.1)	RBKS (3.4)	AGBL5 (3.1)	PBX4 (2.3)	FAM167A (2.3)
RIC8B (2.0)	ENSG00000236827 (1	STRC (1.9)	BRE (1.7)	KLF14 (1.7)
PMFBP1 (2.4)	CHMP3 (2.3)	MAP1A (2.3)	STRC (2.3)	C11orf49 (2.2)
REEP1 (2.4)	SLC22A3 (2.0)	MYBPC3 (1.8)	RSPO3 (1.8)	BCAM (1.5)
NFE2L3 (2.1)	FNBP4 (1.9)	PIGV (1.8)	PTPMT1 (1.7)	IZUMO1 (1.7)
C11orf49 (2.2)	TSSK6 (2.1)	ENSG00000182329 (2	MAPK10 (1.9)	LRP4 (1.8)
MRPL35 (4.1)	IMMT (4.0)	MTCH2 (3.8)	C2orf28 (3.1)	PPIP5K1 (2.6)
USP1 (2.2)	PCSK7 (2.1)	DNAH10 (1.8)	TMEM175 (1.7)	LPAR2 (1.5)
MADD (2.5)	MPP3 (2.4)	CSGALNACT1 (2.0)	CMIP (1.8)	PYY (1.8)
ZNF259 (2.5)	SUMO1 (2.4)	CCDC121 (2.4)	KBTBD4 (2.3)	GTF3C2 (2.2)

SUPT7L (2.0)	FUT1 (1.9)	ENSG00000257711 (1	ENSG00000256746 (1	ZNF408 (1.8)
USP1 (2.5)	KBTBD4 (2.2)	NUP160 (2.2)	DDB2 (2.1)	PPM1G (2.0)
TBL2 (3.2)	SUGP1 (3.1)	BCL7B (2.9)	HARBI1 (2.7)	GPN2 (2.6)
ZNF335 (2.1)	ENSG00000256746 (2	CLPTM1 (2.0)	ATP13A1 (1.9)	ENSG00000235545 (1
ENSG00000182329 (2	MPP2 (2.6)	TRIM54 (2.5)	NCAN (2.4)	MAPK10 (2.3)
ENSG00000179523 (2	REEP3 (1.8)	SFN (1.8)	CYP26A1 (1.8)	LRP4 (1.7)
ZNF513 (3.0)	KBTBD4 (3.0)	MTF2 (2.5)	BUD13 (2.4)	ZNF335 (2.4)
FNDC4 (3.0)	TRNP1 (2.8)	MAP1A (2.5)	MPP3 (2.4)	ENSG00000182329 (2
ZNF259 (2.0)	GALNT2 (1.8)	ABHD1 (1.7)	CCDC92 (1.7)	OST4 (1.7)
C2orf28 (3.1)	MYBPC3 (2.5)	MRPL35 (2.5)	MPV17 (2.2)	MTCH2 (2.1)
C2orf28 (3.1)	MYBPC3 (2.5)	MRPL35 (2.5)	MPV17 (2.2)	MTCH2 (2.1)
C2orf28 (3.1)	MYBPC3 (2.5)	MRPL35 (2.5)	MPV17 (2.2)	MTCH2 (2.1)
PBX4 (2.4)	C17orf105 (2.3)	IZUMO1 (2.2)	ABHD1 (2.0)	ENSG00000222035 (1
USP1 (2.4)	WDR76 (1.8)	DNAH10 (1.8)	LPAR2 (1.7)	BRE (1.6)
NRBP1 (2.7)	PAFAH1B2 (2.6)	SOST (2.1)	BCL7B (2.1)	NAGS (2.0)
C17orf105 (1.7)	MTF2 (1.7)	C8orf12 (1.7)	FNBP4 (1.6)	ENSG00000236267 (1
APOE (2.3)	EMILIN1 (2.3)	NCAN (2.1)	ZNF335 (2.1)	AMBRA1 (2.0)
MYBPC3 (2.5)	IZUMO1 (2.1)	TRNP1 (2.0)	EMILIN1 (1.9)	MPP2 (1.9)
HAVCR1 (2.0)	ENSG00000235545 (2	RBKS (2.0)	ZDHHC18 (1.9)	LPAL2 (1.7)
ENSG00000256746 (2	ENSG00000179523 (1	DNAJC5G (1.7)	PLA2G6 (1.7)	TSSK6 (1.7)
MAPK10 (2.7)	MPP2 (2.5)	HAPLN4 (2.2)	ENSG00000182319 (2	TECTB (2.0)
ENSG00000235545 (2	SIK3 (2.0)	RBKS (1.9)	ZDHHC18 (1.7)	BLK (1.7)
CCDC18 (2.3)	DNAH10 (2.2)	SDCBP (2.1)	USP1 (1.9)	EPB41L3 (1.9)
NUP160 (3.2)	CTDSPL2 (3.1)	TUBGCP4 (3.0)	PPM1G (2.6)	WDR76 (2.5)
MFAP1 (2.1)	CASC4 (2.0)	UCN (1.9)	ENSG00000255020 (1	RFX4 (1.8)
PACSIN3 (2.5)	TAGLN (2.5)	CHMP3 (2.4)	TRNP1 (1.9)	C11orf9 (1.7)
ENSG00000257711 (2	MAMSTR (2.0)	TDH (1.9)	KLF14 (1.9)	RBKS (1.8)
MTCH2 (2.5)	REEP3 (2.3)	PPIP5K1 (2.2)	PDIA3 (2.2)	ZNF408 (2.1)
TDH (2.3)	PCIF1 (2.0)	FNDC4 (1.9)	NRBF2 (1.9)	HARBI1 (1.8)
LRP4 (2.3)	IFT172 (2.3)	SPG11 (2.2)	DOCK7 (2.2)	DHODH (1.9)
FEN1 (2.6)	USP1 (2.3)	ENSG00000257711 (2	ENSG00000234945 (1	ZNF512 (1.8)
MPV17 (2.7)	DHODH (2.3)	POLR1A (2.3)	TUBGCP4 (2.2)	GPN1 (2.1)
NCAN (2.1)	FRMD5 (2.1)	KDM3A (2.0)	RIC8B (2.0)	CAD (2.0)
ENSG00000235545 (2	PTPRJ (1.9)	ENSG00000223522 (1	C2orf16 (1.8)	PTPMT1 (1.8)
BAZ1B (2.8)	FUT1 (2.1)	CTDSPL2 (2.1)	DHX38 (1.8)	UBXN2B (1.8)
IZUMO1 (2.4)	ENSG00000257711 (2	C2orf53 (2.2)	DNAJC5G (2.1)	UCN (1.9)
TRIB1 (2.1)	NRBF2 (2.1)	CCDC18 (2.1)	MRPL35 (2.0)	SDCBP (2.0)
UCN (1.7)	C2orf53 (1.5)	FNBP4 (1.5)	FNDC4 (1.4)	ENSG00000223522 (1
BLK (2.3)	IGF2R (2.3)	TMEM214 (1.9)	TP53BP1 (1.9)	SUMO1 (1.9)
MADD (2.4)	MPP2 (2.4)	RIC8B (2.2)	LPL (2.2)	MPP3 (1.9)
TMEM101 (2.3)	STRC (2.3)	CILP2 (2.2)	SOST (2.0)	PTPN13 (1.9)
SUMO1 (2.3)	MPP3 (2.2)	DOCK7 (2.2)	MAPK10 (2.1)	CHMP3 (2.0)
ENSG00000200241 (2	DDB2 (2.4)	C8orf12 (2.2)	EIF2B4 (2.1)	MRPL35 (2.0)
HARBI1 (2.0)	UBXN2B (1.8)	REEP1 (1.8)	TMED5 (1.8)	HDAC5 (1.7)
EIF3J (3.0)	ZNF259 (2.7)	PREB (2.6)	HARBI1 (2.6)	UCN (2.5)
ENSG00000255020 (2	ENSG00000200241 (2	MTCH2 (2.2)	SUGP1 (2.1)	MRPL35 (2.1)
SIDT2 (2.5)	ABHD1 (2.2)	NFE2L3 (2.2)	FDFT1 (1.8)	PTPMT1 (1.7)
IZUMO1 (4.0)	ENSG00000257711 (4	PMFBP1 (3.6)	C2orf16 (2.7)	ENSG00000234945 (2
NCAN (2.6)	C1QTNF4 (2.1)	MTMR9 (2.1)	FNDC4 (2.0)	CATSPER2 (1.7)
CASC4 (2.0)	C11orf49 (2.0)	IFT172 (2.0)	DOCK7 (2.0)	ABO (1.7)

ENSG00000182319 (1	CSGALNACT1 (1.9)	NCAN (1.9)	C11orf9 (1.8)	MAPRE3 (1.8)
CCDC18 (3.5)	NUP160 (2.8)	WDR76 (2.5)	CTDSPL2 (2.1)	DHX38 (2.0)
HDAC5 (2.7)	NEIL2 (2.4)	MAPK10 (2.3)	FUT2 (2.3)	MPP3 (2.2)
RIC8B (2.2)	SDCBP (2.2)	KANK2 (2.0)	AMBRA1 (2.0)	HDAC5 (2.0)
WDR76 (2.8)	BAZ1B (2.7)	TP53BP1 (2.6)	PBX4 (2.6)	MFAP1 (2.5)
SPG11 (2.7)	ENSG00000179523 (2	DR1 (2.3)	KDM3A (2.3)	SIK3 (2.2)
SIDT2 (1.9)	FRMD5 (1.8)	MAPRE3 (1.7)	ENSG00000179523 (1	CASC4 (1.7)
ZNF259 (2.4)	BCL7B (2.4)	TXNL4B (2.3)	DR1 (2.2)	FNBP4 (2.1)
ZNF408 (2.8)	KBTBD4 (2.8)	DR1 (2.7)	ENSG00000223745 (2	GTF3C2 (2.7)
PPM1G (2.7)	SUGP1 (2.6)	SUMO1 (2.4)	CTDSPL2 (2.3)	ZNF259 (2.2)
FRMD5 (1.9)	SLC30A3 (1.7)	SIK3 (1.6)	PBX4 (1.6)	MTF2 (1.6)
BRE (2.5)	IGF2R (2.4)	DUSP3 (2.3)	MPV17 (2.3)	CHMP3 (2.2)
C11orf49 (2.1)	PTPRJ (2.1)	NRBP1 (2.1)	ENSG00000182319 (1	BMPR2 (1.9)
CASC4 (2.4)	NRBP1 (2.4)	PREB (2.2)	AMBRA1 (2.1)	NSMAF (2.1)
C8orf49 (2.1)	SLC22A3 (2.1)	CD300LG (1.8)	MAPK10 (1.8)	PMFBP1 (1.7)
LRP4 (2.8)	IMMT (2.7)	C11orf49 (2.6)	CAD (2.3)	ATP13A1 (2.3)
C1orf172 (2.1)	G6PC3 (2.0)	SOST (2.0)	EMILIN1 (2.0)	ENSG00000236827 (1
JMJD1C (1.7)	ARID1A (1.6)	CITED2 (1.5)	RIC8B (1.5)	ZNF335 (1.4)
KBTBD4 (2.2)	CTDSPL2 (2.2)	SUGP1 (2.2)	MTMR9 (2.1)	ZNF408 (2.1)
BAZ1B (2.6)	KDM3A (2.5)	AGBL5 (2.4)	SDCBP (2.2)	ZNF664 (2.1)
CTDSPL2 (2.9)	NUP160 (2.9)	BAZ1B (2.8)	MTF2 (2.7)	DDB2 (2.7)
DR1 (2.4)	CTDSPL2 (2.1)	UBXN2B (1.9)	TRIM54 (1.7)	SIK3 (1.6)
PCSK7 (2.6)	RIC8B (2.4)	PYY (2.2)	CMIP (1.8)	SLC22A3 (1.7)
CKAP5 (2.5)	STRC (2.3)	DNAH10 (2.1)	TMEM101 (1.7)	FUT1 (1.5)
CKAP5 (2.5)	STRC (2.3)	DNAH10 (2.1)	TMEM101 (1.7)	FUT1 (1.5)
ENSG00000236267 (1	PBX4 (1.8)	ZDHHC18 (1.5)	DDB2 (1.5)	CD300LG (1.5)
C2orf53 (3.1)	SUMO1 (2.9)	PMFBP1 (2.7)	DNAH10 (2.5)	ENSG00000182329 (2
C2orf53 (3.1)	SUMO1 (2.9)	PMFBP1 (2.7)	DNAH10 (2.5)	ENSG00000182329 (2
REEP1 (2.7)	MAPRE3 (2.2)	PYY (1.6)	TMED5 (1.5)	HAVCR1 (1.5)
ENSG00000182319 (2	FAM167A (2.0)	ENSG00000223745 (1	ENSG00000256731 (1	SOST (1.6)
MAPRE3 (2.8)	MPP3 (2.7)	C11orf49 (2.5)	MAP1A (2.4)	CELF1 (2.4)
MPP2 (2.7)	DPYSL5 (2.5)	MAP1A (2.3)	MTMR9 (2.2)	ENSG00000222035 (2
SOST (2.5)	PLTP (2.3)	C11orf9 (2.2)	BNC2 (2.1)	BCAM (1.8)
MYBPC3 (3.1)	GATA4 (2.2)	TRIM54 (2.1)	MPP3 (2.0)	PYY (1.9)
STRC (2.4)	SUPT7L (2.4)	SPG11 (2.3)	ENSG00000256746 (2	UCN (2.0)
CTDSPL2 (4.0)	DDB2 (3.9)	BAZ1B (3.6)	NUP160 (3.5)	MTF2 (3.1)
FEN1 (2.5)	CAD (2.5)	SUPT7L (2.3)	MRPL35 (2.2)	PTCD3 (2.2)
ENSG00000223522 (2	C8orf12 (2.6)	ENSG00000255020 (2	MRPL35 (2.5)	MRPL33 (2.4)
FZD9 (2.0)	EPB41L3 (2.0)	ENSG00000236267 (1	CCDC92 (1.9)	UCN (1.9)
ENSG00000182329 (2	C2orf53 (2.1)	MPP2 (1.9)	TECTB (1.8)	ABO (1.6)
ENSG00000182329 (2	C2orf53 (2.1)	MPP2 (1.9)	TECTB (1.8)	ABO (1.6)
ENSG00000182329 (2	C2orf53 (2.1)	MPP2 (1.9)	TECTB (1.8)	ABO (1.6)
REEP1 (2.3)	CSGALNACT1 (2.0)	GPAM (2.0)	CCDC92 (1.7)	PACSIN3 (1.7)
TMEM214 (2.5)	NCAN (2.5)	HAPLN4 (2.0)	BCAM (2.0)	ZNF664 (2.0)
TSSK6 (2.5)	IZUMO1 (2.4)	UBXN2B (2.2)	TRNP1 (2.1)	ABO (2.0)
NCAN (3.5)	MAPRE3 (2.6)	MPP3 (2.5)	BMPR2 (2.5)	ENSG00000182319 (2
ENSG00000255020 (2	KLF14 (2.5)	C17orf105 (2.5)	RFX4 (2.4)	ENSG00000235545 (2
RIC8B (2.0)	CAD (2.0)	PPM1G (1.9)	PTCD3 (1.8)	EIF3J (1.8)
TP53BP1 (3.3)	AGBL5 (2.8)	CCDC121 (2.8)	SUPT7L (2.3)	RBKS (2.1)
MTCH2 (2.3)	ACP2 (2.3)	PTPMT1 (1.9)	EIF2B4 (1.7)	LINC00208 (1.6)

ENSG00000200241 (2	MRPL33 (2.5)	PTPMT1 (2.4)	NDUFS3 (2.3)	PCSK7 (2.0)
SLC30A3 (2.5)	MADD (2.5)	HAPLN4 (2.5)	MAP1A (2.3)	TRNP1 (2.2)
SLC30A3 (2.5)	MADD (2.5)	HAPLN4 (2.5)	MAP1A (2.3)	TRNP1 (2.2)
DPYSL5 (2.5)	TRNP1 (2.5)	EPB41L3 (2.2)	C1QTNF4 (2.2)	MTMR9 (2.2)
ENSG00000226645 (2	TOMM40 (2.4)	TXNL4B (2.2)	MRPL33 (2.1)	DHODH (2.0)
LINC00208 (2.5)	RFX4 (2.3)	ARHGAP1 (2.2)	UBXN2B (2.1)	JMJD1C (2.1)
PPY (1.8)	MPP3 (1.6)	UCN (1.6)	MAFF (1.5)	EPB41L3 (1.5)
PBX4 (2.3)	TDH (2.1)	ENSG00000226645 (1	ENSG00000234945 (1	UCN (1.7)
SNX17 (2.4)	WDR76 (2.3)	JMJD1C (2.2)	DUSP3 (2.1)	PPM1G (1.9)
MAU2 (2.2)	RBKS (2.1)	NR0B2 (1.7)	FEN1 (1.7)	TM6SF2 (1.7)
SLC5A6 (2.3)	SIDT2 (2.2)	ZNF513 (2.2)	ZNF408 (2.2)	DNAJC5G (2.0)
USP1 (2.7)	PTCD3 (2.5)	FEN1 (2.5)	NUP160 (2.2)	CAD (2.1)
DDB2 (4.2)	CTDSPL2 (4.1)	NUP160 (3.8)	BAZ1B (2.9)	CAD (2.5)
TMED5 (3.1)	CCDC121 (2.9)	ENSG00000223522 (2	NEIL2 (2.6)	CATSPER2 (2.6)
ENSG00000182319 (2	CMIP (1.7)	RASIP1 (1.7)	C2orf16 (1.7)	AMBRA1 (1.6)
NUP160 (2.2)	POLR1A (2.1)	DHX38 (2.1)	ZNF259 (1.9)	EIF3J (1.8)
PTPMT1 (2.5)	EIF3J (2.3)	MTCH2 (2.1)	NDUFS3 (2.0)	MRPL33 (2.0)
TDH (2.5)	ENSG00000236267 (2	MPP3 (2.2)	DPYSL5 (1.9)	PPY (1.9)
FADS1 (2.9)	TRNP1 (2.5)	TUBGCP4 (2.2)	C11orf49 (2.1)	MAU2 (2.0)
DR1 (2.2)	INTS10 (2.1)	ATG4C (1.8)	USP1 (1.7)	MFAP1 (1.7)
FEN1 (3.4)	WDR76 (2.7)	IFT172 (2.0)	MFAP1 (1.9)	BUD13 (1.9)
IZUMO1 (4.0)	ENSG00000257711 (4	PMFBP1 (3.5)	C2orf16 (2.8)	ENSG00000234945 (2
MTCH2 (2.5)	DDB2 (2.4)	EIF2B4 (2.3)	MRPL35 (2.1)	C8orf12 (2.1)
TP53BP1 (3.0)	HARBI1 (3.0)	TBL2 (3.0)	IFT172 (2.9)	CGREF1 (2.6)
MTF2 (2.7)	ZNF513 (2.7)	NUP160 (2.6)	SUPT7L (2.6)	TP53BP1 (2.4)
ENSG00000179523 (2	PLTP (2.1)	SLC22A3 (2.0)	FADS2 (1.7)	ENSG00000222035 (1
CASC4 (2.4)	OST4 (2.2)	SUMO1 (2.1)	TUBGCP4 (1.8)	PAFAH1B2 (1.8)
C1QTNF4 (2.6)	MPP2 (2.4)	REEP1 (2.1)	ENSG00000223745 (2	COBLL1 (1.9)
POLR1A (2.1)	PPIP5K1 (2.1)	BAZ1B (1.8)	SUGP1 (1.7)	MTF2 (1.6)
SLC30A3 (2.1)	RFX4 (1.9)	CELF1 (1.9)	CITED2 (1.8)	MYBPC3 (1.7)
NSMAF (1.9)	MRPL33 (1.8)	ENSG00000236267 (1	ENSG00000257711 (1	SUMO1 (1.7)
C1QTNF4 (2.6)	ZNF408 (2.5)	TRNP1 (2.4)	PMFBP1 (2.3)	C2orf53 (2.1)
PCIF1 (2.1)	ENSG00000257711 (2	JMJD1C (1.8)	PBX4 (1.6)	TDH (1.5)
ENSG00000222035 (2	PAFAH1B2 (2.2)	BCL7B (2.1)	HDAC5 (1.9)	CCDC92 (1.9)
NFE2L3 (2.2)	TMED5 (2.1)	TMEM101 (1.9)	CASC4 (1.8)	BNC2 (1.8)
COBLL1 (2.5)	IZUMO1 (2.3)	DNAH10 (2.3)	SOST (2.2)	LRP4 (2.2)
MAP1A (2.2)	RASIP1 (2.1)	BCAM (2.0)	COBLL1 (2.0)	MPP2 (1.9)
NCAN (2.3)	PBX4 (2.3)	ENSG00000179523 (2	DPYSL5 (1.9)	LRP4 (1.9)
ENSG00000179523 (2	INTS10 (2.2)	MTF2 (2.2)	KBTBD4 (2.1)	PAFAH1B2 (2.0)
TDH (2.1)	CILP2 (2.0)	FZD9 (1.9)	DPYSL5 (1.7)	LRP4 (1.7)
CHMP3 (2.3)	TAGLN (2.2)	C1orf172 (2.0)	SIDT2 (1.9)	CMIP (1.8)
FUT2 (2.1)	TMEM101 (2.1)	TXNL4B (2.0)	ZNF664 (1.8)	FNDC4 (1.7)
PLTP (1.9)	C2orf28 (1.5)	OST4 (1.5)	MPP2 (1.5)	NCAN (1.5)
PTPMT1 (2.2)	NFE2L3 (1.9)	STRC (1.7)	SPG11 (1.7)	PCSK7 (1.6)
MAP1A (2.6)	LPL (2.6)	C1QTNF4 (2.5)	MAPRE3 (2.3)	CSGALNACT1 (2.3)
ENSG00000257711 (2	CSGALNACT1 (1.9)	ENSG00000234945 (1	LPAL2 (1.9)	TSSK6 (1.8)
DR1 (2.5)	MAPK10 (2.5)	DUSP3 (2.4)	SNX17 (2.3)	TRNP1 (2.3)
PBX4 (1.9)	IZUMO1 (1.9)	SPG11 (1.8)	ENSG00000200241 (1	PCSK7 (1.7)
TSSK6 (2.5)	UBXN2B (2.3)	IZUMO1 (2.1)	CHMP3 (2.1)	TRNP1 (1.9)
ENSG00000226645 (2	KDM3A (1.9)	IFT172 (1.8)	ARID1A (1.8)	USP1 (1.8)

RBKS (2.1)	STRC (2.0)	PTPMT1 (2.0)	ABO (1.9)	ENSG00000236267 (1
RBKS (2.1)	STRC (2.0)	PTPMT1 (2.0)	ABO (1.9)	ENSG00000236267 (1
PVRL2 (1.9)	ENSG00000236267 (1	C1orf172 (1.7)	GTF3C2 (1.7)	ENSG00000223745 (1
SNX17 (2.9)	PAFAH1B2 (2.8)	EIF2B4 (2.8)	ZNF664 (2.6)	CELF1 (2.3)
C17orf105 (2.5)	PTPMT1 (2.3)	ENSG00000256746 (2	CSGALNACT1 (1.7)	ENSG00000182329 (1
LRP4 (2.5)	MPP3 (2.4)	MPP2 (2.4)	NCAN (2.3)	C11orf9 (2.2)
MAMSTR (2.4)	KLF14 (2.2)	ENSG00000226645 (2	KANK2 (1.9)	LRP4 (1.9)
TRIM54 (2.9)	KANK2 (2.6)	EMILIN1 (2.4)	ZDHHC18 (2.2)	CELF1 (2.1)
ENSG00000254235 (2	PYY (1.8)	C8orf49 (1.8)	TRIB1 (1.8)	ENSG00000255020 (1
CELF1 (2.1)	VEGFA (2.1)	TIMD4 (2.0)	CTDSPL2 (1.9)	MPP2 (1.8)
MAP1A (2.5)	C11orf49 (2.3)	HAVCR1 (2.2)	EPB41L3 (2.1)	REEP1 (2.0)
TRIM54 (3.0)	ENSG00000254235 (2	PACSIN3 (2.6)	SLC30A3 (2.4)	HARBI1 (2.2)
LINC00208 (2.2)	ZDHHC18 (2.0)	MADD (2.0)	GPN2 (1.9)	SIK3 (1.9)
FGF21 (1.9)	REEP1 (1.9)	NFE2L3 (1.8)	CITED2 (1.7)	CTSB (1.7)
ARFGAP2 (2.5)	EIF2B4 (2.4)	MRPL35 (2.3)	SNX17 (2.3)	EIF3J (2.2)
SLC30A3 (2.7)	CD300LG (2.3)	CELF1 (2.2)	MPP2 (2.0)	TUBGCP4 (1.9)
GPN1 (2.9)	ZNF259 (2.8)	SNX17 (2.8)	HARBI1 (2.8)	SUGP1 (2.5)
USP1 (4.0)	NUP160 (3.0)	GPN1 (2.8)	CTDSPL2 (2.7)	INTS10 (2.3)
TP53BP1 (2.2)	BLK (1.8)	TMEM214 (1.8)	IGF2R (1.8)	SPG11 (1.7)
TP53BP1 (2.2)	BLK (1.8)	TMEM214 (1.8)	IGF2R (1.8)	SPG11 (1.7)
REEP1 (2.0)	OST4 (1.9)	CGREF1 (1.8)	SLC22A3 (1.8)	MAP1A (1.8)
CELF1 (3.2)	KBTBD4 (2.9)	MTF2 (2.9)	MFAP1 (2.8)	ZNF513 (2.7)
MFAP1 (3.2)	INTS10 (3.1)	BAZ1B (2.7)	DDB2 (2.7)	ZNF512 (2.6)
HAVCR1 (1.6)	GMIP (1.5)	ZDHHC18 (1.4)	PBX4 (1.4)	APOE (1.4)
FUT2 (1.9)	PGS1 (1.8)	SDCBP (1.6)	HP (1.6)	CYP26A1 (1.6)
MTF2 (3.2)	DDB2 (3.0)	NUP160 (2.9)	BAZ1B (2.8)	INTS10 (2.5)
HARBI1 (2.4)	TSSK6 (2.0)	PIGV (1.9)	C8orf12 (1.8)	NRBF2 (1.7)
USP1 (4.3)	WDR76 (4.0)	DDB2 (1.8)	NUP160 (1.6)	CTDSPL2 (1.4)
BLK (2.0)	COBLL1 (2.0)	PBX4 (1.9)	ENSG00000226645 (1	DDB2 (1.8)
BMPR2 (1.8)	TMEM101 (1.7)	BCAM (1.6)	SFN (1.6)	ENSG00000182329 (1
TUBGCP4 (3.4)	ZNF512 (3.4)	BAZ1B (3.2)	DDB2 (3.2)	INTS10 (2.7)
SNX17 (2.6)	MRPL35 (2.3)	NFE2L3 (2.3)	MTCH2 (2.2)	SUGP1 (2.2)
NRBF2 (2.8)	ENSG00000226645 (2	GPN2 (2.5)	CHMP3 (2.5)	TXNL4B (2.4)
ENSG00000236267 (1	ENSG00000222035 (1	ACP2 (1.4)	PCSK7 (1.4)	C8orf12 (1.3)
C17orf105 (2.2)	TSSK6 (2.1)	CASC4 (2.1)	PMFBP1 (2.0)	IFT172 (1.9)
SUMO1 (2.6)	ZNF259 (2.6)	GPN1 (2.4)	DHX38 (2.4)	ZNF513 (2.4)
NSMAF (2.0)	PTPMT1 (1.8)	C17orf105 (1.8)	ZNF259 (1.7)	PMFBP1 (1.6)
NSMAF (2.0)	PTPMT1 (1.8)	C17orf105 (1.8)	ZNF259 (1.7)	PMFBP1 (1.6)
GPN1 (2.1)	OST4 (2.0)	SUGP1 (1.9)	GALNT2 (1.7)	DPYSL5 (1.6)
DUSP3 (2.1)	SUGP1 (2.1)	EPB41L3 (2.1)	C1QTNF4 (2.1)	REEP1 (2.1)
CCDC121 (2.0)	ZNF408 (2.0)	FUT2 (1.9)	ZNF513 (1.8)	TP53BP1 (1.8)
PBX4 (2.2)	TBL2 (2.0)	RBKS (1.7)	ENSG00000257711 (1	DDB2 (1.6)
WDR76 (2.9)	PTCD3 (2.7)	NUP160 (2.6)	ZNF259 (2.6)	EIF2B4 (2.5)
C8orf12 (2.3)	TMEM175 (2.2)	PBX4 (2.1)	ATG4C (1.6)	ZNF512 (1.6)
NCAN (2.6)	LRP4 (2.4)	DPYSL5 (2.4)	CATSPER2 (2.1)	CGREF1 (2.1)
C1QTNF4 (2.3)	MPP2 (2.3)	TRNP1 (2.2)	C11orf49 (2.2)	HAPLN4 (2.0)
SOST (2.1)	RSPO3 (2.0)	ENSG00000253379 (2	LRP4 (1.8)	DNAH10 (1.8)
CAD (2.2)	ATP13A1 (2.0)	GTF3C2 (1.9)	PLA2G6 (1.8)	KDM3A (1.8)
BRE (1.4)	DOCK6 (1.3)	ABHD1 (1.3)	LPAL2 (1.3)	TMEM214 (1.2)
PIGV (2.0)	SIK3 (1.9)	RBKS (1.9)	KLF14 (1.7)	NFE2L3 (1.4)

TMEM175 (2.7)	DNAH10 (2.5)	LINC00208 (2.0)	ZNF512 (1.9)	STRC (1.9)
PTPRJ (1.8)	AGBL2 (1.8)	SIK3 (1.8)	NR1H3 (1.7)	LPAL2 (1.7)
KRTCAP3 (2.0)	FRMD5 (2.0)	ENSG00000235545 (1	GATA4 (1.7)	FNDC4 (1.6)
ENSG00000226645 (2	ENSG00000200241 (2	PAFAH1B2 (2.5)	LSM12 (2.3)	BCL7B (2.3)
DPYSL5 (2.5)	CMIP (2.1)	SLC30A3 (2.0)	BMPR2 (1.9)	C11orf49 (1.8)
SLC22A3 (2.0)	ENSG00000255020 (2	FZD9 (2.0)	CILP2 (1.9)	ABO (1.7)
FZD9 (2.6)	MAP1A (2.4)	NR0B2 (2.4)	TRNP1 (2.3)	STRC (2.2)
IZUMO1 (1.9)	PIGV (1.9)	PTPMT1 (1.8)	LPAR2 (1.6)	NEIL2 (1.6)
USP1 (3.1)	NUP160 (2.9)	CAD (2.9)	CTDSPL2 (2.5)	POLR1A (2.3)
MTF2 (2.9)	KDM3A (2.6)	SUPT7L (2.6)	KBTBD4 (2.6)	BUD13 (2.4)
ENSG00000223522 (2	NFE2L3 (2.1)	NEIL2 (2.0)	IZUMO1 (1.9)	C17orf105 (1.8)
PPM1G (3.1)	GATA4 (2.9)	PACSIN3 (2.7)	IMMT (2.5)	MPV17 (2.0)
IFT172 (2.6)	STRC (2.5)	TUBGCP4 (2.4)	UBXN2B (2.2)	ZNF512 (2.0)
TP53BP1 (2.2)	CMIP (2.0)	ZNF335 (2.0)	PPIP5K1 (1.9)	DUSP3 (1.8)
NSMAF (2.3)	ZNF512 (2.2)	ENSG00000236267 (2	CKAP5 (2.1)	INTS10 (2.0)
SLC30A3 (1.8)	CCDC121 (1.8)	BMPR2 (1.7)	ATG4C (1.7)	RSPO3 (1.6)
CYP26A1 (1.8)	RFX4 (1.8)	ENSG00000223522 (1	ZNF664 (1.7)	LRP4 (1.5)
TMEM214 (2.2)	IGF2R (2.2)	BLK (2.1)	SPG11 (2.0)	TBL2 (1.8)
TMEM214 (2.2)	IGF2R (2.2)	BLK (2.1)	SPG11 (2.0)	TBL2 (1.8)
TMEM214 (2.2)	IGF2R (2.2)	BLK (2.1)	SPG11 (2.0)	TBL2 (1.8)
DDB2 (2.5)	FEN1 (2.2)	STRC (2.1)	NUP160 (2.1)	PREB (1.9)
CCDC18 (3.2)	SPG11 (2.9)	TUBGCP4 (2.7)	PPIP5K1 (2.6)	PIGV (2.6)
MPP3 (2.9)	MAPRE3 (2.6)	MPP2 (2.4)	C8orf12 (2.3)	MAP1A (2.2)
TDH (2.5)	FGF21 (2.1)	C8orf12 (2.1)	CCDC92 (1.9)	MAP1A (1.8)
PTPN13 (2.1)	PBX4 (2.0)	C8orf49 (2.0)	LPAR2 (1.8)	STRC (1.8)
CETP (2.2)	LINC00208 (2.1)	SLC22A3 (2.0)	TIMD4 (2.0)	C2orf16 (1.9)
CETP (2.2)	LINC00208 (2.1)	SLC22A3 (2.0)	TIMD4 (2.0)	C2orf16 (1.9)
ENSG00000235545 (2	UBXN2B (1.9)	CELF1 (1.9)	ZNF664 (1.6)	GTF3C2 (1.6)
FADS2 (2.9)	CLPTM1 (2.5)	TMEM214 (2.5)	TMED5 (2.3)	C2orf28 (2.1)
MTMR9 (2.0)	MAPK10 (1.9)	BCL7B (1.7)	CCDC92 (1.7)	TSSK6 (1.7)
DUSP3 (2.3)	PAFAH1B2 (2.2)	PREB (2.0)	KLF14 (1.8)	NRBP1 (1.8)
GALNT2 (2.1)	REEP1 (1.9)	NDUFS3 (1.8)	TMEM175 (1.8)	OST4 (1.8)
GTF3C2 (2.9)	NRBF2 (2.9)	KBTBD4 (2.7)	BUD13 (2.7)	LSM12 (2.6)
DHX38 (2.6)	EIF2B4 (2.6)	SUGP1 (2.5)	NUP160 (2.5)	GPN2 (2.5)
DDB2 (2.0)	BLK (1.9)	ZNF513 (1.9)	PBX4 (1.8)	COBLL1 (1.8)
TRNP1 (2.5)	FZD9 (2.3)	HAPLN4 (2.3)	CSGALNACT1 (2.3)	FUT2 (2.2)
PACSIN3 (2.5)	SLC30A3 (2.4)	ENSG00000223745 (2	DNAJC5G (2.1)	MYBPC3 (2.0)
SUGP1 (2.6)	BUD13 (2.4)	CTDSPL2 (2.3)	CKAP5 (2.3)	TUBGCP4 (2.2)
ARFGAP2 (2.3)	CCDC92 (2.3)	ATG13 (2.1)	ZNF513 (2.0)	ENSG00000223745 (2
KRTCAP3 (2.3)	ARID1A (2.0)	GATAD2A (1.9)	MPP3 (1.8)	PCIF1 (1.8)
ENSG00000182319 (1	C11orf9 (1.4)	ENSG00000236827 (1	C1QTNF4 (1.3)	FUT1 (1.3)
LINC00208 (1.6)	FNBP4 (1.6)	DOCK7 (1.5)	NSMAF (1.5)	BCL7B (1.5)
NCAN (2.3)	ENSG00000182329 (2	MAP1A (2.3)	ABO (2.3)	MAPRE3 (2.2)
CTDSPL2 (3.8)	DDB2 (3.7)	NUP160 (3.4)	CAD (3.2)	BAZ1B (2.5)
LSM12 (3.1)	KBTBD4 (3.1)	GTF3C2 (2.5)	SUPT7L (2.5)	BUD13 (2.4)
OST4 (4.1)	IMMT (4.0)	MTCH2 (3.6)	C2orf28 (2.7)	PTPMT1 (2.0)
PVRL2 (1.8)	LRP4 (1.7)	PDIA3 (1.6)	MPP3 (1.6)	CGREF1 (1.5)
DPYSL5 (2.7)	FZD9 (2.4)	ENSG00000222035 (2	CILP2 (1.9)	JMJD1C (1.8)
REEP1 (2.9)	MAPRE3 (2.2)	HAVCR1 (1.7)	MAP1A (1.6)	MYBPC3 (1.5)
CTDSPL2 (2.9)	BAZ1B (2.5)	HDAC5 (2.4)	JMJD1C (2.3)	NSMAF (2.2)

MFAP1 (3.2)	INTS10 (3.1)	BAZ1B (2.8)	DDB2 (2.7)	ZNF512 (2.6)
ACP2 (2.5)	TP53BP1 (2.4)	CASC4 (2.2)	CATSPER2 (2.1)	CTSB (2.0)
MAP1A (2.3)	MADD (2.3)	TP53BP1 (2.0)	BMPR2 (2.0)	EIF2B4 (1.9)
ZNF335 (2.5)	MTCH2 (2.3)	CELF1 (2.3)	ENSG00000235545 (2	EIF3J (2.2)
MAPK10 (2.8)	MAP1A (2.7)	MADD (2.7)	DPYSL5 (2.4)	TRNP1 (2.3)
SIDT2 (2.5)	C2orf28 (2.3)	PTPMT1 (2.3)	ENSG00000223745 (2	CLPTM1 (2.2)
PTPN13 (1.9)	ABO (1.8)	C1QTNF4 (1.8)	PMFBP1 (1.7)	ENSG00000255020 (1
ARID1A (1.9)	SUGP1 (1.8)	IFT172 (1.7)	CITED2 (1.7)	KDM3A (1.7)
MPP2 (2.5)	CCDC92 (2.3)	C11orf49 (2.3)	C1QTNF4 (2.3)	CGREF1 (2.0)
CTDSPL2 (4.0)	NUP160 (4.0)	DDB2 (3.9)	MFAP1 (2.9)	MTF2 (2.7)
TXNL4B (2.4)	DUSP3 (2.3)	INTS10 (2.1)	MPP2 (2.1)	ENSG00000234945 (1
CTDSPL2 (4.1)	DDB2 (3.9)	BAZ1B (3.0)	NUP160 (2.3)	CAD (2.1)
MAPK10 (1.8)	DOCK6 (1.8)	LINC00208 (1.8)	MAP1A (1.8)	KANK2 (1.7)
CKAP5 (3.8)	CCDC18 (3.6)	DDB2 (3.1)	NUP160 (2.7)	CTDSPL2 (2.5)
CELF1 (2.7)	CCDC92 (2.6)	SLC30A3 (2.4)	CMIP (2.4)	MAP1A (2.3)
PCSK7 (2.8)	STRC (2.3)	PAFAH1B2 (2.3)	BCL7B (2.2)	MAP1A (1.8)
NSMAF (2.6)	AGBL5 (2.2)	CSGALNACT1 (2.0)	ABO (1.9)	MTF2 (1.8)
TRNP1 (2.0)	FUT2 (1.9)	MAPK10 (1.9)	SPG11 (1.7)	RASIP1 (1.7)
SNX17 (2.8)	NRBP1 (2.4)	CKAP5 (2.3)	PPM1G (2.2)	MTCH2 (2.2)
MAP1A (2.5)	ENSG00000256731 (2	SIK3 (2.4)	MPP2 (2.3)	TRNP1 (2.1)
SDCBP (2.1)	CCDC92 (2.0)	RIC8B (1.9)	GMIP (1.8)	SIK3 (1.7)
ZNF335 (2.5)	GATAD2A (2.0)	PGS1 (1.9)	PPIP5K1 (1.8)	FADS2 (1.8)
TRIM54 (2.7)	SOST (2.5)	MPP2 (2.5)	SLC30A3 (2.2)	C11orf9 (2.1)
CASC4 (3.0)	C17orf105 (2.7)	ENSG00000255020 (2	ENSG00000235545 (2	IZUMO1 (2.3)
HARBI1 (2.1)	NRBP1 (2.1)	SUMO1 (2.1)	STRC (2.0)	PLA2G6 (2.0)
ENSG00000226645 (1	EMILIN1 (1.7)	SDC1 (1.6)	PYY (1.6)	KRTCAP3 (1.5)
MFAP1 (2.4)	CATSPER2 (2.4)	DUSP3 (2.0)	ENSG00000182329 (1	ENSG00000200241 (1
SLC30A3 (2.2)	MADD (2.1)	HAVCR1 (2.1)	MAP1A (1.9)	NFE2L3 (1.8)
ENSG00000182329 (2	MAPK10 (2.3)	PLA2G6 (2.3)	DNAJC5G (2.2)	ABHD1 (2.1)
USP1 (3.6)	BAZ1B (3.6)	DDB2 (2.9)	CTDSPL2 (2.8)	MRPL33 (2.3)
ENSG00000234945 (2	LRP4 (2.3)	C17orf105 (2.2)	BCAM (2.1)	C1orf172 (2.1)
LINC00208 (2.3)	TECTB (2.1)	FAM167A (2.0)	TRNP1 (1.9)	SOST (1.8)
PTPRJ (2.5)	C8orf12 (2.5)	MADD (2.1)	KANK2 (2.1)	FRMD5 (2.1)
SLC22A3 (2.4)	AMBRA1 (2.2)	TP53BP1 (2.1)	C1QTNF4 (2.0)	MFAP1 (2.0)
JMJD1C (2.3)	MAU2 (2.1)	MTF2 (2.0)	PAFAH1B2 (1.9)	TP53BP1 (1.9)
SUMO1 (2.5)	ATG4C (2.5)	AFF1 (2.4)	ENSG00000200241 (2	NRBF2 (2.1)
CHMP3 (1.9)	ATG13 (1.9)	NSMAF (1.8)	HARBI1 (1.8)	BAZ1B (1.8)
KRTCAP3 (2.3)	SDC1 (2.3)	FAM167A (2.2)	UBXN2B (2.1)	CASC4 (2.1)
ZNF512 (2.0)	ENSG00000255020 (2	KRTCAP3 (2.0)	AGBL5 (1.9)	PBX4 (1.8)
ATG13 (3.5)	PCSK7 (3.3)	C11orf49 (3.1)	CGREF1 (3.0)	OST4 (3.0)
ENSG00000182329 (3	C11orf49 (3.1)	RBKS (2.9)	CCDC121 (1.9)	TP53BP1 (1.6)
NCAN (2.4)	MTMR9 (2.4)	NEIL2 (2.3)	LPAL2 (2.1)	ENSG00000255020 (1
CATSPER2 (2.4)	TBL2 (2.3)	C8orf49 (1.9)	TSSK6 (1.9)	C8orf12 (1.9)
C11orf49 (2.4)	ATG13 (2.3)	SUMO1 (2.2)	SUPT7L (1.8)	TOMM40 (1.8)
ENSG00000200241 (2	IMMT (2.4)	PDIA3 (2.2)	CELF1 (2.2)	GATAD2A (2.1)
PTPN13 (2.3)	C8orf12 (2.3)	PMFBP1 (2.2)	ENSG00000223522 (1	ENSG00000234945 (1
FAM167A (1.9)	CMIP (1.9)	FZD9 (1.8)	TECTB (1.8)	PLA2G6 (1.7)
PPM1G (2.6)	SUPT7L (2.4)	EIF2B4 (2.4)	SUMO1 (2.3)	ENSG00000256731 (2
CCDC121 (2.9)	MTF2 (2.9)	SUPT7L (2.9)	JMJD1C (2.8)	GPN1 (2.6)
MAPRE3 (1.8)	ENSG00000235545 (1	MTF2 (1.6)	BCL3 (1.6)	MPV17 (1.4)

DOCK7 (2.4)	JMJD1C (2.3)	SUGP1 (2.3)	CAD (2.2)	MAU2 (2.2)
AGBL2 (2.4)	PPIP5K1 (2.3)	MRPL33 (2.3)	NDUFS3 (2.1)	TMEM175 (2.0)
ARID1A (2.0)	GATAD2A (1.9)	C1QTNF4 (1.8)	C11orf49 (1.8)	SUGP1 (1.8)
MPP3 (2.5)	REEP1 (2.5)	ENSG00000255020 (2	TDH (2.2)	ENSG00000257711 (2
PAFAH1B2 (2.3)	RIC8B (2.1)	CATSPER2 (2.1)	GPN2 (2.1)	MFAP1 (1.9)
CTSB (2.7)	PPY (2.7)	SDCBP (2.7)	IGF2R (2.1)	TMEM101 (2.1)
CSGALNACT1 (2.3)	C1QTNF4 (2.2)	IZUMO1 (1.7)	SIK3 (1.7)	SLC30A3 (1.7)
DUSP3 (2.2)	NRBF2 (2.0)	FNDC4 (2.0)	MRPL33 (2.0)	NRBP1 (2.0)
MAMSTR (2.3)	FUT1 (2.2)	ABO (2.1)	REEP1 (2.1)	MAP1A (2.0)
DNAH10 (2.3)	ENSG00000236267 (2	COBLL1 (2.1)	TRNP1 (2.0)	ENSG00000222035 (2
NFE2L3 (1.9)	MAMSTR (1.9)	ENSG00000236827 (1	NEIL2 (1.6)	TXNL4B (1.6)
CKAP5 (2.8)	DDB2 (2.3)	NUP160 (2.3)	CCDC18 (2.0)	MTF2 (2.0)
SNX17 (2.4)	NFE2L3 (2.3)	MRPL35 (2.1)	MTCH2 (2.1)	SUGP1 (2.0)
C1QTNF4 (1.9)	PMFBP1 (1.9)	C11orf49 (1.9)	FUT1 (1.9)	AFF1 (1.6)
ENSG00000226645 (2	BUD13 (2.2)	HAVCR1 (2.1)	ENSG00000257711 (2	GPN2 (2.0)
MPP3 (2.5)	ENSG00000255020 (2	TDH (2.1)	ENSG00000226645 (2	REEP1 (2.0)
USP1 (2.9)	WDR76 (2.5)	NUP160 (1.9)	MRPL35 (1.7)	DDB2 (1.6)
CATSPER2 (2.1)	EPB41L3 (2.0)	FAM167A (2.0)	DNAJC5G (1.8)	CYP7A1 (1.8)
CTDSPL2 (4.7)	DDB2 (4.1)	NUP160 (4.0)	MTF2 (3.4)	ZNF512 (3.0)
KBTBD4 (2.2)	MRPL33 (2.0)	TOMM40 (1.9)	PVRL2 (1.8)	MTCH2 (1.5)
KRTCAP3 (3.6)	FUT1 (2.8)	ENSG00000257711 (2	SDC1 (1.9)	ENSG00000256731 (1
HDAC5 (2.7)	SUPT7L (2.4)	MAU2 (2.3)	TMEM101 (2.2)	PCSK7 (2.2)
IZUMO1 (2.2)	C17orf105 (2.2)	TRNP1 (2.1)	ENSG00000223522 (2	MAMSTR (1.9)
BAZ1B (3.0)	MFAP1 (2.9)	TP53BP1 (2.7)	CTDSPL2 (2.6)	WDR76 (2.3)
SPG11 (1.9)	C2orf28 (1.9)	DOCK7 (1.8)	CTSB (1.8)	ABHD1 (1.7)
NFE2L3 (1.8)	PDIA3 (1.6)	NAT2 (1.6)	SFN (1.5)	PTPRJ (1.4)
C8orf49 (2.1)	C1QTNF4 (1.9)	PMFBP1 (1.8)	SLC22A3 (1.8)	TDH (1.7)
PDIA3 (2.1)	TP53BP1 (1.9)	NOP58 (1.9)	LINC00208 (1.8)	ZNF664 (1.8)
HARBI1 (2.8)	SUMO1 (2.7)	PAFAH1B2 (2.6)	NRBP1 (2.5)	AMBRA1 (2.5)
TBL2 (3.1)	CCDC121 (3.0)	ENSG00000223522 (2	CATSPER2 (2.6)	TMEM214 (2.5)
PAFAH1B2 (2.5)	ENSG00000200241 (2	LSM12 (2.5)	MTCH2 (2.3)	ZNF512 (2.3)
ENSG00000200241 (2	ENSG00000222035 (1	NEIL2 (1.8)	NFE2L3 (1.7)	PIGV (1.6)
ENSG00000200241 (2	ENSG00000222035 (1	NEIL2 (1.8)	NFE2L3 (1.7)	PIGV (1.6)
CCDC18 (3.3)	SPG11 (2.7)	PPIP5K1 (2.6)	TUBGCP4 (2.6)	PIGV (2.6)
CELF1 (2.3)	DUSP3 (2.3)	MYBPC3 (2.1)	MAPRE3 (2.1)	MPP3 (2.1)
PTCD3 (2.0)	ENSG00000235545 (2	IFT172 (1.9)	TOMM40 (1.9)	BAZ1B (1.8)
CCDC121 (1.6)	G6PC3 (1.4)	C8orf12 (1.3)	PTPN13 (1.3)	FRMD5 (1.3)
CMIP (2.3)	MFAP1 (1.9)	DPYSL5 (1.9)	TMEM214 (1.8)	CKAP5 (1.8)
BRE (3.2)	OST4 (3.0)	ATG4C (3.0)	C17orf105 (2.9)	TMEM175 (2.8)
BRE (3.2)	OST4 (3.0)	ATG4C (3.0)	C17orf105 (2.9)	TMEM175 (2.8)
BRE (3.2)	OST4 (3.0)	ATG4C (3.0)	C17orf105 (2.9)	TMEM175 (2.8)
ABO (2.0)	PMFBP1 (1.9)	SLC22A3 (1.8)	TDH (1.7)	CD300LG (1.7)
PPM1G (2.9)	PTCD3 (2.6)	EIF2B4 (2.6)	ZNF259 (2.5)	CHMP3 (2.2)
TRNP1 (2.7)	SIDT2 (2.7)	ARHGAP1 (2.4)	PVRL2 (2.4)	VEGFA (2.2)
KBTBD4 (2.7)	TP53BP1 (2.5)	TXNL4B (2.4)	MADD (2.3)	BCL7B (2.2)
SUPT7L (2.0)	ENSG00000226645 (1	C8orf12 (1.8)	DNAJC5G (1.8)	CYP26A1 (1.8)
ENSG00000255020 (2	MRPL35 (2.2)	MTCH2 (2.2)	KBTBD4 (2.2)	SUGP1 (2.2)
MTCH2 (2.0)	MPV17 (2.0)	SIK3 (1.9)	CHMP3 (1.8)	ZNF259 (1.8)
ENSG00000179523 (2	SPG11 (2.3)	SIDT2 (2.3)	MADD (2.2)	PTCD3 (2.0)
PPIP5K1 (2.4)	KDM3A (2.4)	CCDC92 (2.1)	MAPK10 (2.0)	HAVCR1 (1.9)

ENSG00000236827 (2	NAT2 (2.1)	ENSG00000255020 (1	MAPK10 (1.7)	BRE (1.7)
PCSK7 (2.0)	ARHGAP1 (2.0)	CASC4 (1.9)	SLC22A3 (1.8)	DOCK6 (1.8)
C1QTNF4 (1.5)	CHMP3 (1.4)	SDC1 (1.4)	STRC (1.4)	C11orf9 (1.3)
GPN1 (2.6)	BAZ1B (2.6)	BUD13 (2.6)	CTDSPL2 (2.5)	WDR76 (2.4)
USP1 (2.7)	FEN1 (2.3)	WDR76 (2.0)	IMMT (1.9)	DDB2 (1.8)
FRMD5 (2.0)	MPP3 (1.9)	ABHD1 (1.9)	PMFBP1 (1.9)	CYP7A1 (1.8)
UBXN2B (2.6)	TRNP1 (2.6)	SDCBP (2.5)	NCAN (2.4)	ENSG00000255020 (2
KRTCAP3 (2.5)	ENSG00000256746 (2	C1QTNF4 (2.1)	HAPLN4 (2.1)	SDC1 (2.0)
CCDC18 (2.5)	ZNF512 (2.4)	BAZ1B (2.3)	FEN1 (2.1)	ZNF335 (2.1)
MTCH2 (2.2)	NFE2L3 (2.2)	ENSG00000255020 (2	MAMSTR (2.1)	DDB2 (1.9)
PIGV (1.8)	TSSK6 (1.8)	NFE2L3 (1.7)	LINC00208 (1.7)	ABHD1 (1.6)
SUMO1 (2.8)	ZNF259 (2.8)	ZNF513 (2.7)	ZNF335 (2.5)	MRPL33 (2.4)
MAPK10 (2.7)	MADD (2.2)	PTPRJ (1.8)	C1QTNF4 (1.7)	HAPLN4 (1.7)
SUPT7L (2.3)	CCDC121 (2.3)	NRBP1 (2.1)	NRBF2 (1.9)	ENSG00000254235 (1
NUP160 (3.6)	CTDSPL2 (3.5)	DDB2 (3.0)	ZNF512 (2.7)	MFAP1 (2.7)
NRBP1 (2.3)	CHMP3 (2.2)	TMEM175 (2.2)	BCL7B (2.2)	ATG13 (2.1)
GPN1 (3.0)	IMMT (2.7)	ZNF259 (2.6)	SUPT7L (2.5)	PPM1G (2.5)
USP1 (2.5)	FEN1 (2.5)	TUBGCP4 (2.5)	NUP160 (2.4)	DDB2 (2.2)
ENSG00000182329 (2	LINC00208 (2.1)	DUSP3 (2.1)	TUBGCP4 (2.1)	CGREF1 (2.0)
PTPN13 (3.0)	ENSG00000235545 (2	ENSG00000179523 (2	FAM167A (2.2)	PBX4 (2.2)
PPM1G (2.1)	IMMT (2.0)	ZNF259 (2.0)	BAZ1B (1.9)	MADD (1.9)
MAP1A (2.2)	ENSG00000255020 (2	MADD (1.9)	SLC30A3 (1.9)	CHMP3 (1.8)
TAGLN (2.8)	REEP1 (2.3)	ARHGAP1 (1.7)	GATA4 (1.7)	DUSP3 (1.5)
PPIP5K1 (2.3)	AGBL2 (2.3)	NDUFS3 (2.1)	MRPL33 (2.1)	TMEM175 (2.0)
CTDSPL2 (2.5)	BAZ1B (2.5)	MTCH2 (2.4)	KBTBD4 (2.4)	FEN1 (2.3)
ENSG00000222035 (1	TRNP1 (1.5)	SLC30A3 (1.5)	MPP3 (1.4)	CITED2 (1.4)
C1QTNF4 (1.8)	ENSG00000223745 (1	ARID1A (1.8)	BAZ1B (1.7)	MTF2 (1.5)
NCAN (3.0)	TRNP1 (2.4)	C1QTNF4 (2.2)	FNDC4 (2.0)	CGREF1 (2.0)
CASC4 (2.6)	TMEM175 (2.3)	USP1 (1.7)	STRC (1.6)	FUT1 (1.6)
TSSK6 (2.8)	CATSPER2 (2.4)	CYP7A1 (2.0)	PMFBP1 (1.7)	DNAJC5G (1.6)
FUT2 (2.4)	TRNP1 (2.1)	CHMP3 (2.0)	C1QTNF4 (1.9)	ENSG00000200241 (1
PREB (2.4)	STRC (2.4)	HARBI1 (2.3)	DNAH10 (2.2)	AMBRA1 (2.1)
TXNL4B (2.1)	BUD13 (2.1)	CCDC18 (2.0)	PBX4 (1.9)	DR1 (1.9)
KBTBD4 (2.6)	DR1 (2.5)	HARBI1 (2.4)	EIF3J (2.3)	TP53BP1 (2.1)
LINC00208 (2.2)	C1QTNF4 (1.9)	ENSG00000182329 (1	NRBF2 (1.6)	MAPK10 (1.6)
USP1 (3.6)	WDR76 (3.1)	CTDSPL2 (2.1)	NUP160 (1.7)	DDB2 (1.5)
ABO (2.3)	LPAR2 (2.1)	CCDC92 (2.1)	MPP2 (2.0)	ATG13 (2.0)
MAPK10 (2.6)	TECTB (2.2)	MAP1A (2.2)	CKAP5 (2.0)	FUT2 (1.8)
MPP2 (2.5)	C1QTNF4 (2.4)	BMPR2 (2.2)	CELF1 (2.0)	MAPK10 (2.0)
C17orf105 (2.2)	ENSG00000223522 (2	CHMP3 (2.1)	SUMO1 (2.1)	IZUMO1 (1.9)
DNAJC5G (4.3)	C2orf16 (4.0)	PMFBP1 (3.7)	IZUMO1 (2.6)	C8orf12 (2.2)
CHMP3 (2.1)	MPV17 (2.1)	CCDC92 (2.0)	BCL7B (2.0)	MAPK10 (1.8)
REEP1 (1.7)	LPAL2 (1.4)	GATA4 (1.3)	MAMSTR (1.2)	MRPL33 (1.2)
HAPLN4 (3.0)	MPP2 (2.6)	ATG13 (2.6)	MAP1A (2.3)	TBL2 (2.3)
ENSG00000179523 (3	SDCBP (2.8)	IGF2R (2.4)	CTSB (2.3)	ARFGAP2 (2.2)
CKAP5 (3.0)	ENSG00000223522 (2	SIK3 (2.2)	IFT172 (2.0)	BUD13 (2.0)
CKAP5 (3.0)	ENSG00000223522 (2	SIK3 (2.2)	IFT172 (2.0)	BUD13 (2.0)
SUGP1 (2.3)	CKAP5 (2.2)	FEN1 (2.2)	ZNF512 (2.1)	BAZ1B (2.1)
ZNF664 (2.6)	DOCK7 (2.4)	MTF2 (2.3)	KBTBD4 (2.2)	DNAH10 (2.2)
HARBI1 (1.7)	STRC (1.6)	TSSK6 (1.6)	SUGP1 (1.5)	CCDC18 (1.5)

MTF2 (2.7)	NUP160 (2.4)	USP1 (2.3)	ZNF512 (2.3)	BAZ1B (2.2)
C8orf12 (2.7)	PYY (2.3)	FAM167A (2.2)	LPAR2 (2.2)	C1orf172 (2.2)
C8orf12 (2.7)	PYY (2.3)	FAM167A (2.2)	LPAR2 (2.2)	C1orf172 (2.2)
USP1 (4.2)	CCDC18 (4.2)	DDB2 (2.9)	NUP160 (2.5)	CTDSPL2 (2.3)
NFE2L3 (2.3)	REEP1 (2.3)	C8orf12 (1.6)	PBX4 (1.5)	MAMSTR (1.5)
MAP1A (3.3)	MAPK10 (3.3)	C11orf49 (3.1)	NCAN (3.0)	HDAC5 (2.6)
IZUMO1 (1.9)	RFX4 (1.6)	C17orf105 (1.6)	PPY (1.4)	EPB41L3 (1.4)
IFT172 (2.5)	C11orf49 (2.1)	BAZ1B (2.0)	SUGP1 (2.0)	NUP160 (1.9)
NFE2L3 (2.2)	SUGP1 (2.2)	ENSG00000256731 (2	ENSG00000200241 (2	SUMO1 (2.1)
PTPN13 (1.9)	CCDC121 (1.9)	ENSG00000223522 (1	DPYSL5 (1.7)	FZD9 (1.7)
FEN1 (2.6)	ENSG00000234945 (2	USP1 (2.2)	CCDC18 (2.0)	ZNF512 (1.9)
TP53BP1 (3.1)	AGBL5 (2.5)	DOCK7 (2.3)	CCDC121 (2.1)	RBKS (2.0)
TDH (2.4)	NRBP1 (2.1)	CLPTM1 (2.1)	NEIL2 (2.0)	BRE (1.8)
RBKS (2.6)	HAVCR1 (2.4)	ENSG00000235545 (2	CCDC121 (2.1)	C2orf16 (2.1)
SUMO1 (2.7)	MRPL33 (2.7)	ZNF513 (2.5)	GPN1 (2.4)	SUPT7L (2.2)
MRPL35 (3.9)	MTCH2 (3.6)	IMMT (3.6)	C2orf28 (3.5)	PPIP5K1 (2.9)
TIMD4 (2.0)	C2orf16 (2.0)	MTMR9 (1.9)	CATSPER2 (1.8)	PIGV (1.7)
ATG4C (2.0)	TRNP1 (2.0)	ZDHHC18 (1.9)	COBLL1 (1.8)	CHMP3 (1.6)
TDH (2.5)	TBL2 (1.9)	C8orf49 (1.9)	TSSK6 (1.7)	CCDC18 (1.7)
TAGLN (2.5)	NCAN (2.4)	VEGFA (2.2)	SLC30A3 (2.0)	GATA4 (2.0)
ARHGAP1 (2.1)	NRBP1 (1.9)	MADD (1.9)	MAU2 (1.9)	TMEM214 (1.8)
CYP7A1 (1.9)	ENSG00000236827 (1	FGF21 (1.7)	ENSG00000235545 (1	CCDC121 (1.5)
CELF1 (2.2)	MAPRE3 (2.2)	CCDC92 (2.1)	NCAN (2.0)	TSSK6 (1.9)
USP1 (3.5)	WDR76 (2.9)	CTDSPL2 (2.6)	MTF2 (1.8)	FAM167A (1.8)
DPYSL5 (2.4)	ENSG00000223745 (2	MYBPC3 (2.3)	C8orf12 (1.9)	ARID1A (1.9)
MLXIPL (2.5)	REEP1 (2.2)	MAPRE3 (2.1)	IZUMO1 (1.9)	LPAL2 (1.5)
ZNF512 (2.9)	ENSG00000223522 (2	ENSG00000226645 (2	ENSG00000222035 (2	IFT172 (2.6)
ZNF512 (2.9)	ENSG00000223522 (2	ENSG00000226645 (2	ENSG00000222035 (2	IFT172 (2.6)
ZNF335 (2.2)	PCSK7 (2.1)	HAVCR1 (2.0)	NSMAF (1.9)	KBTBD4 (1.9)
FZD9 (2.1)	ABO (2.0)	ENSG00000255020 (1	MPP2 (1.8)	PMFBP1 (1.8)
CATSPER2 (2.2)	ENSG00000256746 (2	PBX4 (2.0)	CASC4 (2.0)	CGREF1 (1.9)
MTF2 (2.4)	MTCH2 (2.3)	ENSG00000235545 (2	EIF2B4 (2.2)	ZNF512 (2.1)
SLC30A3 (2.4)	CD300LG (2.2)	CELF1 (2.0)	MPP2 (1.9)	MAPRE3 (1.9)
CHMP3 (2.3)	BCL7B (2.2)	CCDC92 (2.2)	TMEM175 (2.2)	ENSG00000223745 (2
MAP1A (2.7)	C11orf49 (2.5)	C1QTNF4 (2.3)	NCAN (2.3)	BMPR2 (2.2)
USP1 (3.8)	WDR76 (3.0)	NUP160 (2.0)	PTCD3 (1.8)	DDB2 (1.4)
MAPK10 (3.3)	MPP2 (3.1)	C11orf49 (2.9)	SLC30A3 (2.9)	ENSG00000182329 (2
C8orf12 (2.1)	ZNF512 (2.0)	FEN1 (1.9)	BRE (1.7)	MPV17 (1.6)
BUD13 (2.0)	PTPMT1 (1.9)	TDH (1.9)	ZNF259 (1.8)	TXNL4B (1.7)
BRE (2.0)	PBX4 (1.8)	APOE (1.7)	C17orf105 (1.6)	ENSG00000200241 (1
HAPLN4 (2.8)	MPP3 (2.6)	ENSG00000182329 (2	TRNP1 (2.4)	C1QTNF4 (2.4)
SDCBP (2.0)	IMMT (1.9)	MAFF (1.9)	MFAP1 (1.7)	PBX4 (1.6)
TXNL4B (3.1)	CELF1 (3.1)	LSM12 (2.9)	ZNF513 (2.8)	MFAP1 (2.5)
MTF2 (2.8)	HDAC5 (2.4)	FUT1 (2.3)	PCIF1 (2.2)	CCDC18 (2.2)
PYY (1.8)	ENSG00000226645 (1	ENSG00000255020 (1	SUMO1 (1.4)	ENSG00000179523 (1
CCDC18 (2.5)	MAP1A (2.4)	TRNP1 (2.1)	PBX4 (1.9)	PCSK7 (1.9)
FNDC4 (1.9)	GCKR (1.7)	MAMSTR (1.6)	RBKS (1.6)	IZUMO1 (1.6)
TXNL4B (2.1)	LPA (2.0)	CGREF1 (1.8)	SUMO1 (1.7)	TUBGCP4 (1.7)
LPAL2 (3.0)	FGF21 (2.6)	ENSG00000182329 (2	NEIL2 (2.3)	TMEM175 (2.0)
CASC4 (2.2)	LRP4 (2.1)	MAP1A (2.0)	PTPRJ (2.0)	MAMSTR (2.0)

BAZ1B (2.9)	GTF3C2 (2.8)	BUD13 (2.5)	AMBRA1 (2.5)	LSM12 (2.3)
TRNP1 (2.8)	SLC30A3 (2.6)	C8orf49 (2.4)	NCAN (2.1)	FNDC4 (2.0)
TSSK6 (2.0)	DR1 (1.8)	BUD13 (1.8)	C17orf105 (1.8)	ZNF664 (1.8)
NUP160 (3.2)	DDB2 (2.9)	MTF2 (2.9)	CTDSPL2 (2.6)	BAZ1B (2.3)
COBLL1 (2.3)	C11orf49 (2.0)	CCDC121 (2.0)	TOMM40 (1.9)	DHODH (1.9)
CTDSPL2 (3.9)	DDB2 (3.7)	BAZ1B (3.3)	NUP160 (3.1)	CAD (2.9)
KBTBD4 (2.7)	SUGP1 (2.7)	ZNF408 (2.7)	ZNF259 (2.6)	DR1 (2.6)
NCAN (2.4)	TBL2 (2.0)	ENSG00000222035 (2	SLC22A1 (1.9)	TM6SF2 (1.8)
TRIM54 (1.9)	BCL7B (1.9)	MADD (1.9)	GALNT2 (1.9)	DUSP3 (1.8)
CASC4 (2.7)	MTF2 (2.4)	BAZ1B (2.3)	CATSPER2 (2.0)	PCIF1 (1.9)
ENSG00000222035 (2	TECTB (2.2)	DNAJC5G (1.9)	STRC (1.8)	PYY (1.7)
CASC4 (2.4)	EIF3J (2.3)	PREB (2.2)	AMBRA1 (2.1)	MAU2 (2.0)
DUSP3 (2.5)	C11orf49 (2.2)	CLPTM1 (2.2)	CATSPER2 (2.2)	MPP2 (2.1)
HAPLN4 (3.3)	MAPK10 (3.3)	DPYSL5 (3.2)	MADD (2.4)	TRNP1 (2.4)
TSSK6 (1.9)	FNDC4 (1.9)	FGF21 (1.9)	TUBGCP4 (1.8)	IZUMO1 (1.7)
TSSK6 (1.9)	FNDC4 (1.9)	FGF21 (1.9)	TUBGCP4 (1.8)	IZUMO1 (1.7)
CLPTM1 (2.7)	IMMT (2.4)	NDUFS3 (2.4)	MADD (2.2)	MTCH2 (2.1)
BCAM (2.6)	HAVCR1 (2.0)	CILP2 (1.9)	SDC1 (1.8)	TRIM54 (1.7)
MAPK10 (3.2)	TRNP1 (2.9)	SLC30A3 (2.5)	C1QTNF4 (2.4)	NCAN (2.2)
ENSG00000223745 (3	NOP58 (3.0)	IMMT (2.9)	FUT1 (2.9)	EIF3J (2.3)
IMMT (2.1)	TP53BP1 (2.1)	EIF3J (2.0)	RBKS (1.8)	KRTCAP3 (1.7)
ZNF512 (2.4)	SUMO1 (2.2)	ZDHHC18 (2.1)	NRBF2 (2.1)	BUD13 (2.0)
FGF21 (2.4)	KLF14 (2.3)	FAM167A (2.2)	C1orf172 (2.2)	FUT1 (2.2)
CKAP5 (2.1)	FUT1 (2.0)	WDR76 (1.9)	SUGP1 (1.8)	NFE2L3 (1.8)
DDB2 (2.8)	NUP160 (2.3)	CTDSPL2 (2.3)	PPM1G (2.1)	INTS10 (2.0)
OST4 (4.1)	MTCH2 (3.9)	IMMT (3.4)	PTPMT1 (3.1)	C2orf28 (2.5)
MAPK10 (2.7)	ENSG00000255020 (2	ENSG00000182329 (2	C1QTNF4 (2.3)	MPP2 (2.1)
RIC8B (2.8)	FEN1 (2.5)	BRE (2.5)	PBX4 (2.1)	TUBGCP4 (2.0)
USP1 (4.1)	CCDC18 (4.0)	NUP160 (2.3)	DDB2 (2.2)	MTF2 (2.1)
BRE (2.3)	NOP58 (2.1)	BAZ1B (2.0)	DPYSL5 (2.0)	ENSG00000235545 (2
SUGP1 (1.9)	NUP160 (1.6)	FDFT1 (1.6)	ENSG00000256746 (1	FEN1 (1.3)
SUGP1 (1.9)	NUP160 (1.6)	FDFT1 (1.6)	ENSG00000256746 (1	FEN1 (1.3)
SUGP1 (1.9)	NUP160 (1.6)	FDFT1 (1.6)	ENSG00000256746 (1	FEN1 (1.3)
TXNL4B (3.0)	MTF2 (2.9)	KBTBD4 (2.4)	LSM12 (2.4)	KDM3A (2.2)
REEP1 (2.1)	TXNL4B (2.0)	TMEM101 (2.0)	SOST (1.9)	KDM3A (1.9)
C8orf12 (2.7)	MPP2 (2.5)	CELF1 (2.3)	DOCK6 (2.0)	CD300LG (1.9)
SLC5A6 (2.4)	KHK (2.3)	PMFBP1 (2.0)	ENSG00000182329 (1	PTPMT1 (1.8)
BCL7B (2.3)	NEIL2 (2.3)	FAM167A (2.1)	HDAC5 (2.1)	MADD (2.1)
PTPMT1 (2.0)	MPP3 (2.0)	MRPL35 (1.9)	NEIL2 (1.9)	MAPK10 (1.9)
NEIL2 (2.3)	LSM12 (2.3)	EIF3J (2.2)	PTCD3 (2.1)	ZNF335 (2.1)
AGBL2 (1.4)	TRNP1 (1.4)	CITED2 (1.4)	MAMSTR (1.4)	CHMP3 (1.3)
CCDC92 (2.2)	C11orf9 (2.1)	TRNP1 (2.1)	REEP3 (1.9)	STRC (1.8)
EIF3J (2.3)	CASC4 (2.2)	PREB (2.2)	AMBRA1 (2.1)	EIF2B4 (2.1)
SLC30A3 (3.4)	PACSIN3 (2.6)	GATA4 (2.4)	DUSP3 (2.0)	MPP3 (1.9)
CKAP5 (2.2)	ZNF408 (2.2)	CCDC18 (2.2)	PCSK7 (2.1)	ENSG00000223522 (2
MAPK10 (2.4)	SLC30A3 (2.4)	PPY (2.3)	KLF14 (2.2)	MYBPC3 (1.9)
EIF3J (2.7)	EIF2B4 (2.6)	GPN1 (2.5)	OST4 (2.4)	MPV17 (2.1)
ENSG00000254235 (2	PDIA3 (1.8)	CBLC (1.6)	TECTB (1.6)	ATG4C (1.6)
NRBP1 (2.2)	ARFGAP2 (2.1)	ENSG00000257711 (2	REEP1 (2.1)	CATSPER2 (2.0)
ATG4C (1.9)	CHMP3 (1.8)	SNX17 (1.7)	ENSG00000255020 (1	HAPLN4 (1.6)

FNDC4 (2.7)	DR1 (2.5)	DPYSL5 (2.5)	ARHGAP1 (2.3)	MAPRE3 (2.3)
ENSG00000226645 (2	DPYSL5 (2.4)	MPP3 (2.4)	TRNP1 (2.3)	HAPLN4 (2.3)
MTMR9 (2.7)	NEIL2 (2.6)	NCAN (2.2)	LPAL2 (2.0)	ENSG00000255020 (1
TRNP1 (2.3)	ENSG00000256746 (2	ENSG00000257711 (2	MAPRE3 (2.2)	PPY (2.1)
PMFBP1 (2.6)	IMMT (2.2)	TP53BP1 (2.2)	MFAP1 (2.2)	FUT2 (2.1)
C2orf16 (4.3)	PMFBP1 (4.2)	DNAJC5G (3.7)	ENSG00000234945 (2	IZUMO1 (2.4)
CKAP5 (4.4)	USP1 (4.3)	DDB2 (3.1)	NUP160 (2.5)	CTDSPL2 (2.4)
MAP1A (3.2)	MADD (3.1)	MAPK10 (2.8)	MPP3 (2.7)	SLC30A3 (2.5)
MPP3 (2.4)	SLC30A3 (2.3)	HAVCR1 (2.2)	MAPRE3 (1.9)	NCAN (1.7)
LINC00208 (2.2)	ENSG00000182319 (2	SLC30A3 (1.9)	CMIP (1.8)	MPP3 (1.8)
JMJD1C (2.8)	SDCBP (2.8)	MPV17 (2.5)	PPIP5K1 (2.4)	IFT172 (2.3)
ENSG00000257711 (2	STRC (2.0)	DNAJC5G (2.0)	ATG4C (1.9)	TSSK6 (1.7)
GATAD2A (2.5)	ENSG00000236827 (2	DOCK6 (2.2)	PAFAH1B2 (2.2)	PDIA3 (2.2)
BCL7B (1.9)	MPV17 (1.8)	CKAP5 (1.8)	SNX17 (1.8)	OST4 (1.7)
MAP1A (2.1)	MPP2 (1.9)	NCAN (1.8)	RFX4 (1.8)	TRNP1 (1.7)
FUT2 (1.9)	DOCK7 (1.9)	ENSG00000223745 (1	BNC2 (1.6)	ENSG00000235545 (1
PIGV (2.0)	DDB2 (2.0)	FADS2 (2.0)	PAFAH1B2 (2.0)	FDFT1 (2.0)
SIK3 (1.9)	NCAN (1.9)	MAP1A (1.9)	RFX4 (1.8)	TECTB (1.8)
FDFT1 (2.5)	FADS2 (2.3)	ENSG00000179523 (2	SLC22A3 (2.1)	ENSG00000236827 (2
ZNF335 (2.2)	KRTCAP3 (2.1)	C2orf16 (2.0)	PCIF1 (1.9)	CTDSPL2 (1.9)
MPV17 (2.7)	CHMP3 (2.5)	C11orf49 (2.4)	NRBP1 (2.2)	TMEM214 (2.2)
USP1 (4.0)	WDR76 (3.2)	NUP160 (2.6)	CTDSPL2 (2.0)	DDB2 (1.7)
EIF3J (2.8)	BAZ1B (2.8)	BUD13 (2.5)	SPG11 (2.3)	TUBGCP4 (2.3)
PTPMT1 (2.3)	PPIP5K1 (2.3)	NDUFS3 (2.2)	MRPL33 (2.1)	TMEM175 (2.0)
ANGPTL3 (1.8)	MAPRE3 (1.7)	TMEM101 (1.6)	ENSG00000235545 (1	ABHD1 (1.5)
ZNF335 (2.2)	HAVCR1 (2.0)	PCSK7 (2.0)	KBTBD4 (1.9)	NSMAF (1.8)
PAFAH1B2 (2.7)	BCL7B (2.6)	DR1 (2.3)	PPM1G (2.2)	DUSP3 (2.1)
CGREF1 (2.2)	CYP7A1 (2.0)	MADD (1.8)	ABHD1 (1.7)	ENSG00000234945 (1
ENSG00000256746 (2	FUT1 (2.4)	MPP2 (2.3)	ENSG00000254235 (2	ENSG00000236827 (2
USP1 (3.2)	WDR76 (2.7)	DDB2 (1.9)	NUP160 (1.9)	LINC00208 (1.9)
USP1 (4.0)	WDR76 (3.3)	NUP160 (2.6)	CTDSPL2 (2.2)	DDB2 (1.6)
SPG11 (1.8)	PBX4 (1.8)	ENSG00000234945 (1	IZUMO1 (1.7)	ENSG00000200241 (1
CTDSPL2 (2.7)	PPM1G (2.3)	MTF2 (2.3)	NUP160 (2.2)	ENSG00000235545 (2
PTCD3 (2.8)	TUBGCP4 (2.7)	SPG11 (2.5)	BUD13 (2.5)	ENSG00000223745 (2
PTCD3 (2.8)	TUBGCP4 (2.7)	SPG11 (2.5)	BUD13 (2.5)	ENSG00000223745 (2
TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)	SPG11 (2.4)	PPIP5K1 (2.4)
TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)	SPG11 (2.4)	PPIP5K1 (2.4)
TBL2 (3.4)	TP53BP1 (3.1)	CATSPER2 (2.5)	SPG11 (2.4)	PPIP5K1 (2.4)
MAPK10 (2.2)	JMJD1C (2.2)	GPN1 (2.0)	ENSG00000222035 (1	NEIL2 (1.9)
OST4 (2.0)	NDUFS3 (2.0)	HAPLN4 (2.0)	GALNT2 (1.9)	PPIP5K1 (1.8)
STRC (1.9)	PTPRJ (1.9)	DHODH (1.9)	PTCD3 (1.8)	SUMO1 (1.7)
C2orf28 (2.4)	PCSK7 (2.4)	CGREF1 (2.3)	PDIA3 (2.3)	ATG13 (2.2)
DOCK7 (2.0)	FUT2 (2.0)	COBLL1 (1.8)	BNC2 (1.7)	DNAJC5G (1.6)
C11orf49 (2.6)	MPP2 (2.5)	MAPRE3 (2.4)	NCAN (2.3)	C1QTNF4 (2.1)
BAZ1B (2.9)	GTF3C2 (2.9)	BUD13 (2.6)	AMBRA1 (2.6)	PIGV (2.5)
AGBL2 (1.4)	G6PC3 (1.4)	MAMSTR (1.4)	MPP3 (1.3)	TRNP1 (1.3)
MFAP1 (3.0)	DDB2 (2.8)	BUD13 (2.6)	BAZ1B (2.5)	INTS10 (2.5)
EIF3J (2.3)	CASC4 (2.2)	PREB (2.1)	AMBRA1 (2.0)	PAFAH1B2 (2.0)
TRNP1 (2.5)	SFN (2.5)	ENSG00000256746 (2	MPP2 (2.2)	CCDC92 (2.1)
UBXN2B (2.8)	ATG4C (2.5)	IFT172 (2.5)	TP53BP1 (2.3)	CTDSPL2 (2.3)

ENSG00000257711 (2	WDR76 (1.9)	AGBL2 (1.6)	MAMSTR (1.6)	TBL2 (1.6)
MFAP1 (2.7)	PCIF1 (2.6)	DHX38 (2.6)	ZNF335 (2.6)	CTDSPL2 (2.6)
ZNF513 (1.9)	GPN1 (1.8)	G6PC3 (1.7)	GPN2 (1.7)	ENSG00000257711 (1
ENSG00000253379 (3	CGREF1 (2.6)	ENSG00000179523 (2	C8orf12 (1.7)	C1QTNF4 (1.5)
NEIL2 (2.3)	MTMR9 (2.2)	BCL7B (2.2)	FDFT1 (2.1)	SIK3 (2.0)
MPP2 (1.7)	FGF21 (1.7)	LPAL2 (1.7)	C8orf49 (1.5)	PMFBP1 (1.4)
C11orf49 (2.1)	MAMSTR (2.1)	ENSG00000234945 (1	ENSG00000253379 (1	UCN (1.8)
SLC22A3 (2.1)	ENSG00000179523 (2	PLTP (1.8)	FADS2 (1.6)	ENSG00000222035 (1
IMMT (2.8)	NDUFS3 (2.8)	BRE (2.3)	MPV17 (2.3)	DUSP3 (2.0)
PYY (1.8)	SLC5A6 (1.6)	CBLC (1.5)	PMFBP1 (1.5)	ENSG00000182319 (1
C8orf12 (1.9)	FAM167A (1.9)	ENSG00000223522 (1	ENSG00000257711 (1	MPP3 (1.6)
C11orf49 (1.9)	ENSG00000256746 (1	CCDC92 (1.9)	C11orf9 (1.9)	C1orf172 (1.6)
MADD (2.3)	C2orf16 (2.1)	CCDC92 (1.9)	DNAJC5G (1.9)	MPP2 (1.8)
NEIL2 (2.1)	PIGV (1.7)	ENSG00000236267 (1	UBXN2B (1.6)	PBX4 (1.6)
DDB2 (3.2)	USP1 (3.2)	NUP160 (3.1)	MFAP1 (2.9)	FEN1 (2.7)
PACSIN3 (2.5)	SLC30A3 (2.5)	ABO (2.2)	DNAJC5G (2.2)	MYBPC3 (2.1)
DUSP3 (2.2)	TMEM175 (2.1)	CHMP3 (2.1)	MADD (2.0)	IFT172 (2.0)
UCN (2.9)	AFF1 (2.7)	SUMO1 (2.5)	STRC (2.3)	ENSG00000200241 (2
SLC22A3 (2.0)	HDAC5 (2.0)	ENSG00000256731 (1	PTPRJ (1.9)	DNAH10 (1.8)
CATSPER2 (1.9)	PBX4 (1.9)	ENSG00000200241 (1	AFF1 (1.6)	ENSG00000257711 (1
PLTP (1.7)	FNDC4 (1.7)	GCKR (1.6)	C11orf49 (1.4)	ATG4C (1.4)
CCDC18 (3.7)	DDB2 (3.1)	CTDSPL2 (2.9)	NUP160 (2.4)	MTF2 (1.9)
IMMT (3.0)	GTF3C2 (2.8)	POLR1A (2.7)	PTCD3 (2.7)	CAD (2.5)
DOCK7 (2.1)	C1orf172 (2.0)	AGBL5 (1.7)	BAZ1B (1.7)	TP53BP1 (1.5)
IGF2R (2.3)	MAP1A (2.2)	MAPRE3 (2.0)	PACSIN3 (2.0)	FGF21 (1.8)
KBTBD4 (3.0)	CTDSPL2 (2.9)	DOCK7 (2.7)	WDR76 (2.6)	BAZ1B (2.5)
ZNF259 (2.7)	HARBI1 (2.7)	SNX17 (2.2)	NOP58 (2.1)	FGF21 (2.1)
RIC8B (1.4)	CTDSPL2 (1.3)	CITED2 (1.3)	KDM3A (1.2)	SUMO1 (1.2)
TP53BP1 (3.0)	CATSPER2 (2.8)	TBL2 (2.5)	ACP2 (2.2)	SPG11 (2.0)
KBTBD4 (2.2)	NFE2L3 (2.2)	ENSG00000256731 (2	SUMO1 (2.1)	SUGP1 (2.1)
TBL2 (3.2)	ARHGAP1 (3.1)	CGREF1 (2.9)	ATG13 (2.9)	NRBP1 (2.7)
GPN2 (2.2)	BUD13 (2.1)	MRPL33 (2.0)	EIF2B4 (2.0)	DR1 (1.9)
PPM1G (2.6)	PTCD3 (2.3)	OST4 (2.2)	INTS10 (2.1)	CHMP3 (2.0)
ENSG00000200241 (2	ZNF512 (2.1)	EIF2B4 (2.0)	PREB (2.0)	HARBI1 (1.9)
BAZ1B (3.5)	MFAP1 (3.2)	CAD (3.0)	CTDSPL2 (2.9)	DHODH (2.6)
USP1 (3.7)	WDR76 (3.0)	NUP160 (1.9)	CTDSPL2 (1.7)	DDB2 (1.6)
CKAP5 (2.2)	JMJD1C (2.1)	CCDC92 (1.8)	CASC4 (1.8)	PLTP (1.7)
ZNF512 (2.2)	MAU2 (2.1)	SUGP1 (2.0)	ARFGAP2 (2.0)	TXNL4B (2.0)
CHMP3 (2.2)	C8orf12 (2.2)	TSSK6 (2.1)	CELF1 (2.1)	MAMSTR (2.0)
C11orf49 (2.3)	SPG11 (2.2)	RASIP1 (2.1)	UBXN2B (2.0)	PGS1 (1.9)
MPP3 (1.6)	TRNP1 (1.6)	STRC (1.3)	ENSG00000182319 (1	ENSG00000256731 (1
USP1 (3.8)	WDR76 (2.7)	NUP160 (2.5)	TMEM214 (1.9)	CAD (1.9)
NCAN (2.1)	ABO (2.0)	LPL (1.7)	SLC22A3 (1.7)	LINC00208 (1.5)
TRNP1 (2.3)	MPP2 (2.3)	MPP3 (2.2)	ENSG00000226645 (2	UCN (2.1)
PAFAH1B2 (3.0)	NRBP1 (2.5)	PTPMT1 (2.5)	CHMP3 (2.4)	DPYSL5 (2.2)
PAFAH1B2 (3.0)	NRBP1 (2.5)	PTPMT1 (2.5)	CHMP3 (2.4)	DPYSL5 (2.2)
ENSG00000182319 (2	NCAN (2.2)	SDC1 (2.1)	ENSG00000256746 (2	CMIP (2.0)
PGS1 (2.4)	TUBGCP4 (2.4)	TP53BP1 (2.2)	PBX4 (2.1)	ABHD1 (2.1)
ZNF512 (2.4)	RFX4 (2.3)	TSSK6 (1.8)	ENSG00000182329 (1	C8orf12 (1.7)
ENSG00000253379 (2	AGBL2 (2.0)	TRNP1 (1.8)	IZUMO1 (1.8)	CILP2 (1.7)

SLC22A3 (2.1)	ENSG00000222035 (2	FZD9 (2.0)	STRC (2.0)	C1QTNF4 (1.9)
NCAN (2.7)	TRNP1 (2.3)	PPIP5K1 (2.3)	UCN (2.2)	FZD9 (2.2)
SPG11 (1.9)	EIF3J (1.9)	SUGP1 (1.8)	CTDSPL2 (1.4)	FADS1 (1.4)
RSPO3 (2.6)	FZD9 (2.1)	ENSG00000182329 (1	BNC2 (1.8)	PVRL2 (1.7)
TRNP1 (2.5)	FUT1 (2.4)	SDCBP (2.0)	STRC (1.8)	COBLL1 (1.8)
MYBPC3 (2.2)	C1QTNF4 (2.1)	CSGALNACT1 (1.8)	NAT2 (1.6)	FZD9 (1.5)
C11orf49 (2.9)	RBKS (2.8)	ENSG00000182329 (2	AGBL5 (2.1)	TP53BP1 (1.8)
ENSG00000234945 (2	FZD9 (2.4)	ZNF664 (2.2)	C1orf172 (2.1)	C17orf105 (1.9)
C11orf49 (2.3)	ARFGAP2 (2.1)	SPG11 (2.0)	ZNF512 (1.8)	AMBRA1 (1.8)
LSM12 (2.4)	TSSK6 (2.4)	AGBL5 (2.3)	SPG11 (2.2)	ENSG00000256746 (2
LSM12 (2.4)	TSSK6 (2.4)	AGBL5 (2.3)	SPG11 (2.2)	ENSG00000256746 (2
LSM12 (2.4)	TSSK6 (2.4)	AGBL5 (2.3)	SPG11 (2.2)	ENSG00000256746 (2
REEP1 (2.6)	EMILIN1 (2.4)	TRNP1 (2.3)	DUSP3 (2.2)	HDAC5 (1.9)
TRNP1 (2.8)	NCAN (2.7)	ZDHHC18 (2.4)	FNDC4 (2.3)	EPB41L3 (2.1)
ENSG00000236267 (1	ENSG00000223522 (1	ABO (1.7)	FRMD5 (1.6)	REEP1 (1.6)
UCN (2.2)	TECTB (2.1)	MAP1A (2.0)	CCDC92 (1.8)	MPP3 (1.8)
NR1H3 (2.1)	ZDHHC18 (2.0)	FGF21 (2.0)	SIK3 (1.9)	NSMAF (1.9)
NR1H3 (2.1)	ZDHHC18 (2.0)	FGF21 (2.0)	SIK3 (1.9)	NSMAF (1.9)
TXNL4B (1.8)	CSGALNACT1 (1.8)	INTS10 (1.8)	TUBGCP4 (1.7)	SUMO1 (1.7)
CHMP3 (2.6)	IFT172 (2.6)	ENSG00000257711 (2	SUPT7L (2.3)	C11orf49 (2.1)
USP1 (2.3)	FEN1 (2.3)	DDB2 (2.3)	NUP160 (2.3)	PCSK7 (2.1)
RFX4 (2.1)	PTPN13 (2.0)	CCDC121 (1.6)	LRP4 (1.5)	ENSG00000222035 (1
MYBPC3 (3.0)	REEP1 (2.6)	ARHGAP1 (1.7)	GATA4 (1.5)	DUSP3 (1.5)
IMMT (2.9)	GTF3C2 (2.8)	GPN1 (2.7)	EIF2B4 (2.6)	SNX17 (2.5)
USP1 (3.9)	WDR76 (3.0)	NUP160 (2.4)	CTDSPL2 (2.0)	PTCD3 (1.8)
GATA4 (2.2)	MRPL35 (2.0)	FGF21 (1.8)	TRNP1 (1.7)	CGREF1 (1.6)
TP53BP1 (2.7)	RBKS (2.7)	DOCK7 (2.3)	ZNF664 (2.1)	DNAJC5G (2.0)
RIC8B (2.2)	SOST (2.2)	GALNT2 (2.0)	ANGPTL4 (1.9)	PYY (1.9)
WDR76 (3.0)	USP1 (2.7)	NUP160 (2.0)	PTCD3 (1.7)	IFT172 (1.6)
NSMAF (2.0)	IZUMO1 (1.9)	BLK (1.8)	MTMR9 (1.7)	PTPRJ (1.6)
RBKS (2.6)	DOCK7 (2.5)	ENSG00000223745 (2	PTCD3 (2.1)	KBTBD4 (2.1)
DR1 (1.9)	SDCBP (1.8)	REEP1 (1.7)	TP53BP1 (1.7)	MAU2 (1.6)
STRC (2.2)	DNAJC5G (1.9)	TSSK6 (1.9)	ENSG00000257711 (1	ATG4C (1.8)
MTCH2 (3.0)	MRPL35 (2.9)	IMMT (2.9)	PPIP5K1 (2.8)	C2orf28 (2.7)
MPP3 (2.5)	SLC30A3 (2.4)	PPIP5K1 (2.3)	HAPLN4 (2.3)	MAPK10 (2.3)
BUD13 (2.0)	TXNL4B (1.9)	ZNF259 (1.9)	PTPMT1 (1.9)	TDH (1.8)
IZUMO1 (3.0)	RBKS (2.9)	FZD9 (2.7)	RASIP1 (2.1)	TRNP1 (2.0)
FAM167A (2.5)	BCAM (2.4)	MAPK10 (2.3)	MPP3 (2.3)	TRNP1 (2.1)
NDUFS3 (4.1)	PTPMT1 (3.2)	MTCH2 (2.7)	PPIP5K1 (2.7)	IMMT (2.7)
HAPLN4 (1.7)	CHMP3 (1.5)	UCN (1.5)	UBXN2B (1.3)	NCAN (1.3)
SDCBP (2.7)	DPYSL5 (2.5)	NCAN (2.5)	C11orf49 (2.2)	MAPK10 (2.2)
ZNF408 (2.5)	BLK (2.2)	GMIP (2.2)	HAVCR1 (2.1)	LPAR2 (1.9)
IGF2R (3.0)	MPV17 (2.6)	TXNL4B (2.3)	MFAP1 (2.2)	MAPRE3 (2.2)
BNC2 (2.8)	IZUMO1 (2.7)	TSSK6 (2.7)	HARBI1 (2.0)	C11orf9 (1.8)
C8orf12 (2.0)	FNDC4 (1.8)	MTMR9 (1.8)	TDH (1.8)	MPP2 (1.7)
MAPRE3 (2.3)	C1QTNF4 (2.3)	MAMSTR (2.2)	PTPRJ (2.1)	NRBP1 (1.9)
MAPRE3 (2.3)	C1QTNF4 (2.3)	MAMSTR (2.2)	PTPRJ (2.1)	NRBP1 (1.9)
MAPRE3 (2.3)	C1QTNF4 (2.3)	MAMSTR (2.2)	PTPRJ (2.1)	NRBP1 (1.9)
TDH (2.2)	RBKS (2.1)	ENSG00000256746 (2	LINC00208 (2.0)	LPAL2 (1.9)
C8orf12 (1.6)	ENSG00000235545 (1	APOE (1.5)	STRC (1.4)	CATSPER2 (1.4)

MPP2 (2.5)	FRMD5 (2.5)	C2orf53 (2.4)	TRNP1 (2.2)	DPYSL5 (2.2)
HAPLN4 (2.8)	FRMD5 (2.7)	TRNP1 (2.6)	ENSG00000223745 (2	REEP3 (2.1)
DOCK7 (1.9)	ENSG00000223522 (1	KRTCAP3 (1.6)	KBTBD4 (1.5)	MPP3 (1.5)
MPP2 (2.4)	TRIM54 (2.4)	CELF1 (2.0)	MADD (2.0)	MPP3 (1.9)
USP1 (2.7)	MAU2 (2.1)	MTCH2 (1.9)	IMMT (1.8)	RIC8B (1.7)
MAPRE3 (2.9)	NCAN (2.7)	C1QTNF4 (2.5)	DUSP3 (2.2)	MADD (2.1)
SPG11 (3.1)	ZNF259 (3.0)	IFT172 (2.9)	DHODH (2.9)	EIF2B4 (2.8)
POLR1A (2.9)	EIF3J (2.5)	ATP13A1 (2.2)	ZNF259 (2.2)	PTCD3 (2.2)
ENSG00000235545 (1	C17orf105 (1.8)	BUD13 (1.5)	TUBGCP4 (1.4)	ENSG00000179523 (1
SIK3 (2.0)	CKAP5 (2.0)	CASC4 (1.9)	NEIL2 (1.6)	FEN1 (1.6)
CASC4 (2.3)	C11orf49 (1.8)	C2orf53 (1.8)	MTF2 (1.8)	C17orf105 (1.8)
DR1 (2.7)	CHMP3 (2.6)	PCIF1 (2.5)	CTDSPL2 (2.2)	PVRL2 (2.2)
NSMAF (2.4)	SPG11 (2.4)	ATG4C (2.3)	ENSG00000223745 (2	DNAJC5G (2.1)
GPN1 (2.7)	WDR76 (2.5)	MRPL33 (2.3)	NUP160 (2.3)	TXNL4B (2.2)
C1QTNF4 (2.2)	MAPRE3 (2.2)	FZD9 (2.0)	SLC30A3 (1.9)	SLC22A3 (1.9)
ENSG00000223745 (2	ZNF259 (2.8)	DHODH (2.8)	EIF2B4 (2.8)	IFT172 (2.8)
ENSG00000223745 (2	ZNF259 (2.8)	DHODH (2.8)	EIF2B4 (2.8)	IFT172 (2.8)
ENSG00000182329 (2	LPAL2 (2.2)	LINC00208 (2.1)	ARHGAP1 (2.0)	PPY (2.0)
NEIL2 (2.9)	REEP3 (2.6)	SNX17 (2.4)	TXNL4B (2.4)	KRTCAP3 (2.3)
NDUFS3 (3.9)	PTPMT1 (3.4)	MTCH2 (2.7)	PPIP5K1 (2.4)	IMMT (2.4)
PACSIN3 (2.9)	SLC30A3 (2.8)	EMILIN1 (2.7)	FRMD5 (2.6)	C8orf49 (2.1)
KBTBD4 (3.1)	MRPL33 (2.9)	MFAP1 (2.8)	PAFAH1B2 (2.4)	GPN1 (2.4)
C8orf12 (1.8)	FUT1 (1.8)	ENSG00000223522 (1	ENSG00000254235 (1	PTPN13 (1.5)
C17orf105 (2.1)	DNAH10 (1.9)	ATP13A1 (1.8)	FNBP4 (1.8)	AGBL2 (1.8)
C17orf105 (2.1)	DNAH10 (1.9)	ATP13A1 (1.8)	FNBP4 (1.8)	AGBL2 (1.8)
ZNF512 (2.3)	AGBL2 (2.3)	IFT172 (2.3)	C17orf105 (2.2)	BAZ1B (2.2)
MAPK10 (2.4)	PMFBP1 (2.0)	PTPMT1 (2.0)	MAP1A (1.9)	KBTBD4 (1.9)
PCIF1 (2.2)	C2orf16 (2.0)	MPP2 (1.9)	ZNF335 (1.9)	HDAC5 (1.8)
ENSG00000257711 (2	ENSG00000236827 (2	CATSPER2 (2.7)	IFT172 (2.6)	PTPMT1 (2.6)
C17orf105 (2.0)	CASC4 (2.0)	REEP3 (1.9)	AGBL2 (1.8)	NEIL2 (1.8)
NSMAF (2.1)	ARID1A (2.1)	NUP160 (2.0)	ZDHHC18 (1.9)	SUGP1 (1.9)
ZNF335 (2.3)	PCSK7 (2.3)	NSMAF (2.1)	ZNF408 (2.0)	HAVCR1 (2.0)
USP1 (2.5)	WDR76 (2.1)	LINC00208 (1.6)	AGBL2 (1.6)	LPAL2 (1.6)
CKAP5 (2.4)	TUBGCP4 (2.0)	ARID1A (1.9)	LINC00208 (1.8)	CBLC (1.8)
PIGV (1.8)	TECTB (1.8)	SDCBP (1.7)	SLC22A3 (1.7)	FADS1 (1.7)
PREB (2.5)	MPV17 (2.4)	ATG13 (2.1)	NRBF2 (2.0)	ATG4C (1.8)
CD300LG (2.6)	SLC22A3 (2.6)	C1QTNF4 (2.5)	C2orf53 (2.2)	CETP (2.0)
CD300LG (2.6)	SLC22A3 (2.6)	C1QTNF4 (2.5)	C2orf53 (2.2)	CETP (2.0)
CD300LG (2.6)	SLC22A3 (2.6)	C1QTNF4 (2.5)	C2orf53 (2.2)	CETP (2.0)
C17orf105 (2.1)	DNAH10 (2.0)	AGBL2 (1.8)	FNBP4 (1.8)	ATP13A1 (1.8)
ENSG00000222035 (2	TMEM175 (2.0)	SLC5A6 (1.9)	MPP3 (1.9)	ENSG00000235545 (1
MPP3 (1.8)	FAM167A (1.8)	NCAN (1.7)	TRNP1 (1.5)	LRP4 (1.5)
CCDC18 (1.8)	AGBL2 (1.8)	REEP3 (1.7)	CGREF1 (1.7)	C17orf105 (1.7)
C11orf49 (2.7)	USP1 (2.7)	WDR76 (2.7)	TP53BP1 (2.6)	FEN1 (2.2)
CASC4 (2.4)	FUT1 (2.0)	MAMSTR (1.6)	CBLC (1.5)	MTMR9 (1.5)
CASC4 (2.4)	FUT1 (2.0)	MAMSTR (1.6)	CBLC (1.5)	MTMR9 (1.5)
MPP2 (2.0)	UCN (1.8)	MAMSTR (1.8)	ENSG00000256746 (1	REEP1 (1.8)
STRC (2.7)	PPIP5K1 (2.6)	C11orf49 (2.5)	MAPK10 (2.4)	TRNP1 (2.3)
PIGV (2.0)	MPV17 (2.0)	SDCBP (1.9)	SLC22A3 (1.8)	C11orf49 (1.8)
MPP3 (2.6)	CD300LG (2.6)	C1QTNF4 (2.4)	C2orf53 (2.1)	CETP (2.0)

MPP3 (2.6)	CD300LG (2.6)	C1QTNF4 (2.4)	C2orf53 (2.1)	CETP (2.0)
MAU2 (2.5)	RASIP1 (2.1)	ENSG00000256746 (1	REEP1 (1.8)	FAM167A (1.7)
FAM167A (2.0)	HAPLN4 (1.9)	FEN1 (1.8)	NCAN (1.8)	COBLL1 (1.7)
CATSPER2 (2.5)	IFT172 (2.4)	SUPT7L (2.2)	CGREF1 (2.1)	MTMR9 (2.1)
C1QTNF4 (2.4)	MPP2 (2.3)	MAP1A (2.2)	MADD (2.0)	MAPRE3 (1.7)
MAP1A (1.9)	ABO (1.8)	FZD9 (1.8)	MPP2 (1.8)	MAPK10 (1.8)
DDB2 (3.2)	CTDSPL2 (3.0)	NUP160 (2.6)	MTF2 (2.1)	TUBGCP4 (2.0)
CCDC18 (3.2)	PBX4 (2.6)	MAU2 (2.2)	TP53BP1 (2.2)	C1QTNF4 (2.1)
HAPLN4 (3.1)	TRNP1 (2.8)	SLC30A3 (2.7)	MAPRE3 (2.4)	MAPK10 (2.4)
UCN (2.1)	CGREF1 (1.8)	MRPL33 (1.7)	TRNP1 (1.5)	UBXN2B (1.5)
TDH (2.1)	LINC00208 (2.1)	ZNF408 (2.0)	C2orf16 (1.9)	NSMAF (1.9)
ENSG00000222035 (1	C8orf49 (1.8)	GATA4 (1.8)	CCDC121 (1.6)	GATAD2A (1.6)
TP53BP1 (2.4)	C11orf49 (2.2)	STRC (2.1)	IFT172 (1.9)	NCAN (1.9)
ENSG00000253379 (2	CILP2 (2.1)	DNAH10 (1.8)	C1orf172 (1.7)	FUT1 (1.7)
EPB41L3 (2.6)	NCAN (2.5)	C1QTNF4 (2.4)	MAPK10 (2.3)	TRNP1 (2.3)
SLC30A3 (2.6)	MPP3 (2.5)	C1QTNF4 (2.5)	C2orf53 (2.1)	REEP1 (1.9)
MAPRE3 (2.6)	SDCBP (2.3)	DUSP3 (2.2)	CLPTM1 (1.9)	SOST (1.7)
NDUFS3 (2.3)	C11orf9 (2.3)	MTCH2 (2.2)	IMMT (2.1)	SIK3 (2.1)
USP1 (3.2)	CCDC18 (3.1)	DDB2 (3.0)	MTF2 (3.0)	CKAP5 (2.8)
ENSG00000235545 (1	REEP3 (1.7)	CCDC121 (1.6)	EMILIN1 (1.6)	HDAC5 (1.5)
ENSG00000235545 (2	ENSG00000254235 (2	NSMAF (2.1)	ENSG00000223745 (2	ENSG00000234945 (2
ZDHHC18 (1.8)	AGBL2 (1.8)	NFE2L3 (1.8)	SIK3 (1.8)	PTPRJ (1.7)
PTPRJ (2.2)	CELF1 (2.2)	RASIP1 (2.1)	LPL (2.0)	CMIP (1.9)
ENSG00000235545 (2	MAP1A (1.9)	NCAN (1.9)	RSPO3 (1.9)	ARHGAP1 (1.8)
PPIP5K1 (2.5)	HAPLN4 (2.5)	AGBL2 (2.3)	PTPRJ (1.9)	NR0B2 (1.9)
LPAL2 (2.1)	ENSG00000200241 (2	C2orf16 (2.0)	ENSG00000235545 (1	ENSG00000236267 (1
ABO (2.0)	SLC30A3 (1.9)	C1QTNF4 (1.9)	STRC (1.8)	ARHGAP1 (1.7)
PMFBP1 (1.7)	CYP26A1 (1.7)	FNDC4 (1.5)	MPP2 (1.3)	CCDC121 (1.3)
PGS1 (1.5)	ENSG00000253379 (1	CD300LG (1.3)	TSSK6 (1.3)	CILP2 (1.3)
C2orf53 (3.7)	PMFBP1 (3.6)	ENSG00000257711 (3	ENSG00000234945 (3	IZUMO1 (3.3)
C2orf53 (3.7)	PMFBP1 (3.6)	ENSG00000257711 (3	ENSG00000234945 (3	IZUMO1 (3.3)
ARHGAP1 (2.1)	SLC30A3 (2.0)	DNAH10 (2.0)	C1QTNF4 (2.0)	STRC (1.9)
USP1 (3.4)	WDR76 (3.2)	NUP160 (1.8)	CTDSPL2 (1.6)	CHMP3 (1.4)
USP1 (4.0)	WDR76 (3.2)	NUP160 (2.3)	CTDSPL2 (2.1)	DDB2 (1.5)
TMEM214 (2.7)	CATSPER2 (2.4)	SPG11 (2.0)	TBL2 (1.7)	VEGFA (1.7)
CGREF1 (2.1)	ABHD1 (2.1)	ENSG00000235545 (1	SLC5A6 (1.9)	CLPTM1 (1.8)
MPP2 (2.6)	NCAN (2.3)	ZDHHC18 (2.1)	ENSG00000182329 (2	TRNP1 (1.9)
C1QTNF4 (2.1)	MAPRE3 (2.1)	FZD9 (1.9)	SLC22A3 (1.9)	TRIM54 (1.7)
MAPK10 (2.5)	DNAJC5G (2.4)	CMIP (2.4)	MPP3 (2.4)	PBX4 (2.3)
DUSP3 (2.4)	ENSG00000223745 (2	DR1 (2.2)	PTPMT1 (2.2)	NRBP1 (2.2)
USP1 (3.4)	WDR76 (3.1)	LINC00208 (1.7)	NUP160 (1.5)	CTDSPL2 (1.5)
C1QTNF4 (2.5)	FRMD5 (2.4)	ENSG00000236827 (2	TSSK6 (2.2)	MPP2 (2.1)
SUGP1 (2.4)	ENSG00000235545 (2	C11orf49 (2.2)	ENSG00000223522 (2	AGBL2 (2.0)
SUGP1 (2.4)	ENSG00000235545 (2	C11orf49 (2.2)	ENSG00000223522 (2	AGBL2 (2.0)
SPG11 (2.3)	MTMR9 (2.1)	CKAP5 (2.0)	TXNL4B (1.7)	ENSG00000236267 (1
FUT2 (2.3)	RFX4 (2.0)	KLF14 (2.0)	FZD9 (2.0)	RSPO3 (1.9)
DHX38 (3.1)	PREB (2.9)	IFT172 (2.8)	PCSK7 (2.5)	TP53BP1 (2.3)
CSGALNACT1 (2.1)	DOCK6 (2.1)	SIK3 (1.9)	CATSPER2 (1.9)	MAU2 (1.8)
USP1 (3.4)	WDR76 (2.7)	DDB2 (1.8)	NUP160 (1.7)	CTDSPL2 (1.5)
ENSG00000256746 (1	PLTP (1.7)	NFE2L3 (1.6)	PYY (1.5)	GPN1 (1.3)

FNDC4 (1.8)	PLA2G6 (1.5)	C2orf16 (1.5)	TRNP1 (1.4)	PLTP (1.3)
REEP3 (2.2)	SUGP1 (1.9)	PAFAH1B2 (1.9)	ENSG00000256731 (1	CATSPER2 (1.9)
ZNF513 (3.0)	KBTBD4 (2.8)	KDM3A (2.6)	SUPT7L (2.3)	JMJD1C (2.2)
MTCH2 (2.2)	MRPL35 (2.1)	NFE2L3 (2.0)	SUGP1 (2.0)	ENSG00000255020 (2
PAFAH1B2 (2.3)	C8orf12 (2.2)	ENSG00000226645 (2	SLC30A3 (2.0)	CGREF1 (1.9)
ENSG00000256746 (2	ARHGAP1 (2.0)	SLC30A3 (2.0)	C1QTNF4 (2.0)	PPY (1.8)
TP53BP1 (3.2)	LPAR2 (2.6)	REEP1 (2.5)	ZNF335 (2.4)	PBX4 (2.4)
USP1 (3.6)	WDR76 (3.2)	LINC00208 (1.8)	DDB2 (1.8)	NUP160 (1.7)
DNAH10 (2.1)	CYP26A1 (2.1)	CD300LG (1.7)	ZNF512 (1.6)	HDAC5 (1.6)
DPYSL5 (2.6)	MPP2 (2.2)	NCAN (2.2)	SDCBP (2.0)	CGREF1 (1.9)
CGREF1 (2.4)	C1QTNF4 (2.3)	TRNP1 (2.2)	NCAN (2.0)	CCDC92 (1.9)
DNAH10 (1.9)	CITED2 (1.8)	PTPRJ (1.7)	PGS1 (1.7)	GMIP (1.7)
ENSG00000200241 (2	NFE2L3 (1.9)	PREB (1.9)	ENSG00000255020 (1	ENSG00000223522 (1
ABHD1 (2.3)	BRE (2.2)	C11orf49 (2.2)	PIGV (2.0)	SNX17 (2.0)
C1QTNF4 (2.7)	NCAN (2.6)	CGREF1 (2.2)	NEIL2 (2.2)	TRNP1 (2.1)
ARHGAP1 (2.2)	TAGLN (2.1)	SLC30A3 (2.0)	PCSK7 (1.8)	GATA4 (1.7)
FEN1 (2.2)	USP1 (2.2)	CKAP5 (2.1)	IMMT (2.0)	MTMR9 (2.0)
GPN2 (3.0)	GTF3C2 (2.8)	NUP160 (2.7)	ZNF513 (2.4)	GPN1 (2.4)
USP1 (3.4)	WDR76 (3.0)	NUP160 (1.9)	DDB2 (1.6)	ENSG00000182329 (1
SLC30A3 (2.3)	MPP3 (2.1)	MPP2 (2.0)	MADD (1.9)	RASIP1 (1.9)
TRNP1 (2.4)	FRMD5 (2.3)	HAPLN4 (2.2)	ENSG00000255020 (1	ENSG00000223745 (1
PBX4 (2.0)	CTDSPL2 (1.9)	USP1 (1.9)	DNAJC5G (1.8)	AGBL5 (1.6)
USP1 (4.1)	WDR76 (3.3)	NUP160 (2.2)	CTDSPL2 (1.9)	PTCD3 (1.5)
SLC30A3 (2.4)	CD300LG (2.2)	MPP3 (2.0)	ENSG00000226645 (2	CETP (1.8)
NDUFS3 (3.7)	PTPMT1 (3.6)	PPIP5K1 (2.7)	MTCH2 (2.7)	ENSG00000200241 (2
FAM167A (2.0)	IMMT (2.0)	SUPT7L (1.9)	ZNF259 (1.8)	PAFAH1B2 (1.8)
FAM167A (2.0)	IMMT (2.0)	SUPT7L (1.9)	ZNF259 (1.8)	PAFAH1B2 (1.8)
C1QTNF4 (2.4)	LRP4 (2.2)	MAMSTR (2.2)	MPP3 (1.9)	PACSIN3 (1.8)
FEN1 (2.9)	DDB2 (2.5)	DNAJC5G (2.1)	CTDSPL2 (2.1)	ENSG00000257711 (1
TMEM214 (1.8)	IFT172 (1.8)	NFE2L3 (1.8)	MPV17 (1.8)	IMMT (1.7)
CASC4 (2.6)	MPV17 (2.1)	PCSK7 (1.9)	TMEM101 (1.9)	SUMO1 (1.9)
CASC4 (2.6)	MPV17 (2.1)	PCSK7 (1.9)	TMEM101 (1.9)	SUMO1 (1.9)
CCDC92 (2.3)	PMFBP1 (2.3)	ENSG00000182319 (2	CD300LG (2.1)	CELF1 (2.1)
USP1 (3.4)	WDR76 (3.2)	NUP160 (1.8)	CTDSPL2 (1.5)	LINC00208 (1.4)
PTPRJ (1.8)	SIK3 (1.7)	C2orf16 (1.6)	ZDHHC18 (1.6)	RSPO3 (1.6)
CTDSPL2 (3.0)	FEN1 (3.0)	CCDC18 (2.9)	GPN1 (2.5)	MTCH2 (2.3)
TRNP1 (2.8)	NCAN (2.5)	MADD (2.1)	CCDC92 (2.0)	FNDC4 (2.0)
PPIP5K1 (2.2)	PTPMT1 (2.2)	MRPL35 (1.8)	C2orf28 (1.8)	MPV17 (1.7)
ENSG00000256746 (2	DDB2 (2.1)	IZUMO1 (1.7)	ZNF408 (1.7)	ZNF259 (1.7)
ATG4C (2.7)	ZNF512 (2.4)	SIDT2 (2.2)	UBXN2B (1.6)	NUP160 (1.6)
MPP2 (2.0)	MAP1A (2.0)	HAPLN4 (1.9)	FADS2 (1.5)	ENSG00000226645 (1
SLC22A3 (1.9)	ENSG00000179523 (1	IZUMO1 (1.8)	ENSG00000222035 (1	ENSG00000235545 (1
SLC22A3 (1.9)	ENSG00000179523 (1	IZUMO1 (1.8)	ENSG00000222035 (1	ENSG00000235545 (1
USP1 (3.9)	WDR76 (3.0)	NUP160 (2.0)	CTDSPL2 (1.8)	DDB2 (1.6)
MAPRE3 (2.4)	TMEM214 (2.4)	MPP2 (2.3)	C2orf28 (2.0)	TBL2 (1.9)
TDH (2.7)	PACSIN3 (2.5)	UCN (2.3)	CASC4 (2.3)	REEP1 (2.1)
USP1 (2.9)	WDR76 (2.7)	NUP160 (1.9)	ENSG00000182329 (1	LINC00208 (1.6)
WDR76 (3.0)	FEN1 (2.3)	MTF2 (2.3)	CKAP5 (2.2)	BAZ1B (2.2)
BUD13 (2.0)	TDH (1.9)	DR1 (1.8)	ZNF259 (1.8)	PTCD3 (1.7)
PDIA3 (2.3)	C17orf105 (2.3)	IZUMO1 (2.2)	G6PC3 (2.1)	DNAJC5G (2.0)

DNAH10 (2.2)	ENSG00000236827 (2	NCAN (2.0)	FZD9 (2.0)	PYY (1.9)
NAGS (1.8)	ATP13A1 (1.7)	FEN1 (1.7)	BAZ1B (1.7)	CELF1 (1.6)
MPP2 (3.1)	SLC30A3 (2.8)	MAPK10 (2.7)	C11orf49 (2.3)	ENSG00000182329 (2
USP1 (3.8)	WDR76 (3.0)	NUP160 (2.0)	CTDSPL2 (1.7)	DDB2 (1.5)
PTPRJ (2.2)	C8orf12 (2.1)	ENSG00000253379 (2	RASIP1 (2.0)	CELF1 (1.8)
CATSPER2 (2.8)	FUT1 (2.3)	MADD (2.2)	ENSG00000256746 (2	BMPR2 (2.0)
MAP1A (3.0)	C1QTNF4 (2.9)	DPYSL5 (2.5)	SLC30A3 (2.4)	MPP3 (2.4)
TAGLN (2.5)	GATA4 (2.0)	REEP1 (1.9)	FRMD5 (1.7)	ARHGAP1 (1.6)
ENSG00000235545 (1	SUMO1 (1.8)	INTS10 (1.8)	EIF3J (1.7)	MFAP1 (1.7)
MAPRE3 (2.3)	COBLL1 (2.1)	REEP3 (2.1)	CCDC92 (2.1)	C8orf12 (2.0)
USP1 (3.2)	NUP160 (3.1)	DDB2 (2.8)	TUBGCP4 (2.8)	CATSPER2 (2.7)
C17orf105 (1.9)	SUPT7L (1.7)	NR0B2 (1.6)	SUMO1 (1.6)	HAPLN4 (1.6)
MAP1A (1.8)	FGF21 (1.7)	C1QTNF4 (1.7)	C17orf105 (1.6)	CCDC92 (1.6)
FRMD5 (2.6)	TRNP1 (2.6)	HAPLN4 (2.6)	ENSG00000223745 (2	REEP3 (2.0)
FRMD5 (2.6)	TRNP1 (2.6)	HAPLN4 (2.6)	ENSG00000223745 (2	REEP3 (2.0)
USP1 (4.2)	WDR76 (3.7)	CTDSPL2 (2.0)	NUP160 (1.8)	DDB2 (1.7)
USP1 (3.8)	WDR76 (3.0)	DDB2 (2.0)	CTDSPL2 (1.8)	NUP160 (1.7)
CTDSPL2 (3.0)	NSMAF (2.8)	ZNF512 (2.8)	SPG11 (2.5)	UBXN2B (2.5)
TRIM54 (2.9)	SLC30A3 (2.2)	FUT1 (2.2)	PACSIN3 (2.0)	HAPLN4 (1.9)
SLC30A3 (2.5)	MYBPC3 (2.4)	DPYSL5 (2.2)	ARID1A (2.0)	RFX4 (1.8)
PPM1G (2.7)	IFT172 (2.6)	C11orf49 (2.1)	ARID1A (1.9)	PCIF1 (1.8)
ZNF513 (2.5)	MRPL33 (2.5)	ENSG00000256746 (2	C2orf16 (2.1)	KBTBD4 (2.0)
SDCBP (2.6)	C1QTNF4 (2.4)	MAPK10 (2.3)	NCAN (2.3)	CGREF1 (2.2)
ENSG00000226645 (2	MAP1A (2.8)	MPP2 (2.4)	C2orf16 (2.0)	MAPRE3 (2.0)
MAPK10 (2.4)	MPP3 (2.4)	INTS10 (2.2)	DNAJC5G (2.1)	CELF1 (1.9)
ENSG00000182329 (2	MAP1A (1.7)	ACP2 (1.7)	ENSG00000255020 (1	ENSG00000236827 (1
ENSG00000182329 (2	MAP1A (1.7)	ACP2 (1.7)	ENSG00000255020 (1	ENSG00000236827 (1
MTF2 (2.7)	CCDC18 (2.6)	BAZ1B (2.5)	EIF3J (2.4)	BUD13 (2.0)
SNX17 (2.5)	DUSP3 (2.4)	MPV17 (2.3)	WDR76 (2.1)	DOCK6 (2.0)
PPM1G (2.1)	BUD13 (2.0)	BAZ1B (2.0)	SUGP1 (1.9)	CASC4 (1.8)
KDM3A (2.6)	MAPRE3 (2.4)	FUT2 (2.1)	MAP1A (2.0)	FRMD5 (1.9)
USP1 (3.3)	WDR76 (2.4)	LINC00208 (1.6)	DDB2 (1.5)	PTCD3 (1.5)
EIF3J (3.2)	TMEM101 (2.8)	NRBP1 (2.6)	ARFGAP2 (2.5)	ZNF259 (2.3)
ARFGAP2 (2.3)	TP53BP1 (2.2)	PPIP5K1 (2.2)	ATG13 (1.9)	ZNF664 (1.9)
C17orf105 (2.5)	TDH (2.5)	REEP1 (2.4)	ENSG00000255020 (2	PTPMT1 (2.1)
NCAN (3.1)	TRNP1 (2.8)	CGREF1 (2.5)	FNDC4 (2.4)	C11orf49 (2.4)
GATA4 (3.5)	TRIM54 (2.7)	ENSG00000254235 (2	SLC30A3 (2.4)	ENSG00000256746 (2
NRBF2 (2.0)	C2orf53 (2.0)	ENSG00000256746 (1	STRC (1.8)	HAVCR1 (1.6)
TUBGCP4 (3.2)	ZNF512 (3.0)	ENSG00000235545 (2	NUP160 (2.9)	BAZ1B (2.8)
PTCD3 (2.4)	DR1 (2.2)	ZNF259 (2.1)	DHODH (2.0)	IGF2R (2.0)
DDB2 (1.6)	UCN (1.4)	SUMO1 (1.4)	CD300LG (1.4)	NAT2 (1.4)
C8orf12 (1.7)	PMFBP1 (1.7)	ENSG00000236827 (1	FNDC4 (1.6)	PLTP (1.4)
NUP160 (2.9)	CTDSPL2 (2.9)	USP1 (2.9)	DDB2 (2.8)	CCDC18 (2.7)
MFAP1 (2.6)	HAVCR1 (2.5)	MTF2 (2.2)	ENSG00000256746 (2	DDB2 (2.2)
SUGP1 (2.2)	MTF2 (2.2)	MFAP1 (2.0)	TUBGCP4 (2.0)	ENSG00000235545 (1
MPP2 (2.7)	SLC30A3 (2.4)	MAP1A (2.3)	MADD (2.2)	MAPK10 (2.0)
RIC8B (2.3)	ENSG00000182329 (2	CGREF1 (2.1)	C2orf53 (1.9)	DPYSL5 (1.7)
USP1 (3.3)	WDR76 (2.4)	NUP160 (1.9)	LINC00208 (1.7)	DDB2 (1.7)
AGBL2 (2.1)	CYP26A1 (1.7)	SUMO1 (1.6)	SFN (1.6)	CGREF1 (1.5)
IZUMO1 (2.0)	DNAJC5G (1.9)	ENSG00000235545 (1	PBX4 (1.8)	ENSG00000236267 (1

KRTCAP3 (2.2)	MPP2 (2.2)	SLC30A3 (2.1)	REEP1 (1.9)	C8orf12 (1.9)
TRNP1 (2.7)	NCAN (2.6)	MAPK10 (2.3)	SLC30A3 (2.2)	EPB41L3 (2.1)
MPV17 (2.9)	MRPL33 (2.8)	IMMT (2.7)	MRPL35 (2.5)	CTSB (2.5)
IFT172 (2.3)	ENSG00000179523 (2	AGBL2 (2.2)	TP53BP1 (2.1)	C11orf49 (1.9)
C2orf16 (3.2)	ENSG00000182329 (2	DNAH10 (2.2)	FRMD5 (2.1)	TRNP1 (2.0)
C2orf16 (3.2)	ENSG00000182329 (2	DNAH10 (2.2)	FRMD5 (2.1)	TRNP1 (2.0)
ENSG00000256746 (2	ENSG00000257711 (2	ABO (2.6)	NCAN (2.5)	ENSG00000234945 (2
C1QTNF4 (2.3)	RFX4 (2.1)	ABO (2.1)	C8orf12 (1.9)	PBX4 (1.8)
IZUMO1 (1.9)	REEP1 (1.8)	FRMD5 (1.7)	FUT1 (1.6)	MRPL33 (1.6)
AGBL2 (2.7)	TXNL4B (2.4)	MFAP1 (2.4)	DNAJC5G (2.3)	C17orf105 (2.2)
UBXN2B (1.5)	ENSG00000254235 (1	C2orf53 (1.4)	HAPLN4 (1.4)	C11orf49 (1.3)
NOP58 (2.3)	MRPL33 (2.3)	TXNL4B (2.3)	BUD13 (2.2)	GPN1 (1.9)
TAGLN (3.1)	REEP1 (2.4)	GATA4 (1.8)	ARHGAP1 (1.7)	FRMD5 (1.5)
CATSPER2 (2.3)	MAP1A (2.3)	TMEM214 (2.2)	BCAM (2.1)	MAPRE3 (2.1)
TMEM214 (3.1)	MAU2 (3.0)	TBL2 (2.9)	HARBI1 (2.7)	PCSK7 (2.7)
GALNT2 (2.1)	ATG4C (2.1)	ENSG00000257711 (2	ENSG00000235545 (2	BNC2 (2.0)
CYP26A1 (2.1)	C8orf12 (2.0)	PTPN13 (1.9)	ENSG00000223522 (1	ENSG00000222035 (1
NUP160 (2.5)	ENSG00000256746 (2	TXNL4B (2.4)	BAZ1B (2.3)	MFAP1 (2.0)
ENSG00000226645 (1	ENSG00000235545 (1	MFAP1 (1.7)	CITED2 (1.6)	INTS10 (1.6)
ENSG00000182329 (2	MAPRE3 (2.4)	IMMT (2.4)	HAVCR1 (2.2)	NCAN (2.2)
CGREF1 (2.6)	NCAN (2.6)	TRNP1 (2.2)	C1QTNF4 (2.1)	ZDHHC18 (2.1)
PCSK7 (2.2)	CASC4 (2.2)	ENSG00000235545 (2	ENSG00000223745 (2	PMFBP1 (2.0)
C1QTNF4 (2.2)	TRNP1 (2.1)	MAPRE3 (2.0)	ARHGAP1 (2.0)	LPAL2 (2.0)
CGREF1 (2.4)	C1QTNF4 (2.4)	CATSPER2 (2.3)	ENSG00000182329 (2	MPP2 (2.1)
MPP2 (2.6)	MAPK10 (2.5)	CCDC92 (2.5)	HAPLN4 (2.3)	CATSPER2 (2.2)
MADD (2.5)	HAPLN4 (2.4)	RSPO3 (2.4)	MPP3 (2.4)	MAPK10 (2.1)
TSSK6 (1.9)	PTPN13 (1.9)	FZD9 (1.8)	BNC2 (1.8)	SLC30A3 (1.7)
ABO (2.5)	ENSG00000182329 (2	HAVCR1 (2.4)	CELF1 (2.1)	ABHD1 (2.0)
USP1 (3.0)	NUP160 (2.8)	TUBGCP4 (2.7)	ZNF512 (2.5)	BAZ1B (2.5)
MAPRE3 (2.4)	CCDC92 (2.4)	CATSPER2 (2.2)	MAPK10 (2.1)	HDAC5 (2.0)
MAP1A (2.8)	C1QTNF4 (2.5)	ARHGAP1 (2.5)	CLPTM1 (2.4)	SIK3 (1.9)
C11orf49 (2.5)	MPP3 (2.4)	MTMR9 (2.4)	CETP (2.3)	CATSPER2 (2.2)
C1QTNF4 (2.9)	DPYSL5 (2.9)	MAP1A (2.9)	SLC30A3 (2.7)	MAPK10 (2.7)
SUPT7L (2.4)	ZNF259 (2.4)	ZNF335 (2.4)	ZNF513 (2.4)	C2orf16 (2.3)
C8orf12 (2.0)	DPYSL5 (2.0)	ZDHHC18 (2.0)	UCN (1.9)	MPP2 (1.8)
MAPK10 (2.7)	C1QTNF4 (2.4)	RBKS (2.0)	DUSP3 (1.8)	TRNP1 (1.8)
EIF3J (2.1)	AMBRA1 (2.1)	LSM12 (1.9)	PAFAH1B2 (1.9)	DNAH10 (1.8)
CTDSPL2 (3.9)	DDB2 (3.4)	BAZ1B (2.8)	ENSG00000235545 (2	NUP160 (2.2)
CTDSPL2 (3.9)	DDB2 (3.4)	BAZ1B (2.8)	ENSG00000235545 (2	NUP160 (2.2)
SLC30A3 (2.1)	C2orf53 (2.0)	MPP2 (1.9)	TSSK6 (1.7)	FNDC4 (1.6)
PACSIN3 (3.1)	GATA4 (3.0)	ARHGAP1 (2.4)	SLC30A3 (2.3)	DNAJC5G (2.3)
IGF2R (1.7)	INTS10 (1.7)	FNBP4 (1.6)	CSGALNACT1 (1.6)	CASC4 (1.6)
C17orf105 (1.9)	C2orf53 (1.9)	PMFBP1 (1.9)	ENSG00000182329 (1	CGREF1 (1.8)
DDB2 (3.2)	USP1 (2.8)	ZNF512 (2.7)	NUP160 (2.6)	TUBGCP4 (2.3)
MADD (1.9)	PLTP (1.5)	CSGALNACT1 (1.5)	ENSG00000236267 (1	FRMD5 (1.3)
MAMSTR (1.9)	ENSG00000253379 (1	UCN (1.8)	LRP4 (1.6)	SOST (1.6)
NCAN (2.5)	MPP2 (2.2)	MAP1A (2.2)	MADD (1.9)	ENSG00000257711 (1
SLC30A3 (2.8)	C1QTNF4 (2.6)	NCAN (2.5)	REEP1 (2.2)	MPP3 (2.0)
MAP1A (2.7)	MPP2 (2.4)	PYY (2.1)	LPL (2.0)	MAPRE3 (2.0)
RIC8B (2.4)	DNAJC5G (2.4)	ENSG00000235545 (1	ENSG00000236267 (1	ENSG00000236827 (1

CKAP5 (2.9)	ENSG00000223522 (2	ZNF512 (2.5)	IFT172 (2.4)	SIK3 (2.3)
KRTCAP3 (2.0)	ENSG00000182329 (1	ACP2 (1.8)	SLC30A3 (1.8)	TDH (1.6)
NCAN (2.7)	CCDC92 (2.5)	C11orf49 (2.5)	MAP1A (2.4)	REEP1 (2.2)
TP53BP1 (3.0)	IFT172 (3.0)	USP1 (2.5)	PBX4 (2.3)	WDR76 (2.3)
ENSG00000222035 (1	ENSG00000223522 (1	C8orf12 (1.7)	BNC2 (1.7)	ZNF664 (1.6)
MAP1A (2.8)	RIC8B (2.5)	MAPK10 (2.4)	ABO (2.3)	REEP1 (2.1)
TRNP1 (2.2)	ENSG00000255020 (2	TECTB (2.0)	NCAN (2.0)	HAPLN4 (1.8)
TSSK6 (5.0)	C2orf16 (4.3)	DNAJC5G (4.1)	ENSG00000257711 (3	IZUMO1 (3.3)
MFAP1 (2.3)	DOCK7 (2.2)	ARFGAP2 (2.0)	BAZ1B (1.7)	LSM12 (1.6)
MAPK10 (3.2)	MPP2 (2.9)	PPIP5K1 (2.6)	CCDC92 (2.4)	DUSP3 (2.4)
REEP1 (2.9)	MAP1A (2.7)	PACSIN3 (2.5)	DUSP3 (2.3)	DOCK7 (2.0)
GCKR (1.6)	NCAN (1.6)	PYY (1.6)	RFX4 (1.5)	MADD (1.5)
PPY (2.7)	CATSPER2 (2.3)	ENSG00000256746 (2	MAMSTR (2.1)	CCDC121 (2.0)
NDUFS3 (3.7)	PTPMT1 (3.7)	MTCH2 (2.7)	PPIP5K1 (2.6)	ENSG00000200241 (2
NDUFS3 (3.7)	PTPMT1 (3.7)	MTCH2 (2.7)	PPIP5K1 (2.6)	ENSG00000200241 (2
MAMSTR (2.2)	ZNF512 (1.9)	PBX4 (1.8)	IZUMO1 (1.6)	MAPK10 (1.5)
ENSG00000182329 (3	CATSPER2 (3.1)	C1QTNF4 (3.0)	HAPLN4 (2.8)	MAP1A (2.7)
SUMO1 (1.8)	UBXN2B (1.8)	GPN2 (1.7)	PCIF1 (1.7)	ENSG00000223522 (1
TRNP1 (2.8)	NCAN (2.6)	MAPK10 (2.6)	C1QTNF4 (1.9)	FADS1 (1.9)
ENSG00000236267 (2	PBX4 (1.7)	PTPRJ (1.6)	LPAL2 (1.6)	C8orf12 (1.5)
CTDSPL2 (2.6)	UBXN2B (2.6)	IZUMO1 (2.5)	ENSG00000223522 (2	C11orf49 (2.4)
C1QTNF4 (3.0)	NCAN (2.5)	SLC30A3 (2.3)	FZD9 (2.3)	REEP1 (2.0)
AGBL5 (1.8)	C17orf105 (1.8)	PLA2G6 (1.7)	CGREF1 (1.5)	NEIL2 (1.4)
GATA4 (2.3)	SFN (2.2)	FRMD5 (1.9)	SLC30A3 (1.9)	NDUFS3 (1.9)
ENSG00000234945 (2	NR1H3 (2.3)	IZUMO1 (1.9)	TDH (1.9)	NSMAF (1.8)
ENSG00000234945 (2	NR1H3 (2.3)	IZUMO1 (1.9)	TDH (1.9)	NSMAF (1.8)
AGBL5 (1.9)	C17orf105 (1.8)	PLA2G6 (1.7)	CGREF1 (1.5)	NEIL2 (1.4)
IZUMO1 (2.3)	ENSG00000236267 (2	DNAH10 (1.9)	TUBGCP4 (1.8)	ENSG00000236827 (1
GATA4 (2.6)	ENSG00000256746 (2	C2orf53 (2.0)	HDAC5 (1.9)	DNAJC5G (1.9)
CELF1 (2.7)	C11orf9 (2.6)	NCAN (1.9)	BMPR2 (1.9)	MPP3 (1.9)
ZNF259 (2.3)	ZNF513 (2.3)	SUPT7L (2.3)	C2orf16 (2.1)	ZNF335 (2.1)
NCAN (2.8)	MAP1A (2.8)	CHMP3 (2.5)	NRBF2 (2.5)	MAPRE3 (2.4)
BAZ1B (3.0)	MTF2 (2.6)	NUP160 (2.6)	CCDC18 (2.6)	USP1 (2.5)
TAGLN (3.0)	PACSIN3 (2.8)	ARHGAP1 (2.8)	GATA4 (2.6)	KANK2 (2.0)
TRNP1 (2.9)	NCAN (2.8)	SLC30A3 (2.7)	MAPK10 (2.1)	FNDC4 (2.0)
REEP1 (3.1)	KANK2 (2.5)	CASC4 (1.7)	EPB41L3 (1.5)	DUSP3 (1.4)
CD300LG (2.3)	ENSG00000236827 (1	TECTB (1.8)	ENSG00000223522 (1	PPY (1.4)
MPP2 (2.7)	C1QTNF4 (2.6)	MAP1A (2.5)	C11orf49 (2.3)	CCDC92 (2.1)
MAP1A (2.6)	C11orf49 (2.6)	RIC8B (2.4)	NCAN (2.2)	CAD (2.1)
HAPLN4 (3.0)	FNDC4 (2.9)	ENSG00000182329 (2	TRNP1 (2.7)	MAP1A (2.6)
IFT172 (2.7)	DUSP3 (2.6)	C11orf49 (2.2)	UCN (2.2)	PGS1 (2.2)
NUP160 (3.3)	DDB2 (2.5)	PTCD3 (2.5)	CAD (2.4)	GPN1 (2.4)
ENSG00000256746 (2	NUP160 (2.5)	TXNL4B (2.4)	USP1 (2.0)	MFAP1 (1.9)
TRNP1 (2.6)	NCAN (2.3)	CGREF1 (2.3)	ENSG00000182329 (2	C1QTNF4 (1.9)
USP1 (3.6)	WDR76 (3.0)	DDB2 (1.9)	NUP160 (1.8)	CTDSPL2 (1.5)
USP1 (3.5)	WDR76 (2.9)	DDB2 (1.9)	NUP160 (1.8)	CTDSPL2 (1.6)
LINC00208 (2.0)	LPAL2 (2.0)	CATSPER2 (1.9)	MTMR9 (1.9)	NFE2L3 (1.7)
ENSG00000236827 (2	TSSK6 (2.3)	TRNP1 (2.3)	MAPK10 (2.3)	DNAJC5G (2.3)
BAZ1B (2.8)	GTF3C2 (2.7)	BUD13 (2.5)	PIGV (2.4)	AMBRA1 (2.4)
BRE (2.1)	CELF1 (2.0)	ARID1A (1.6)	CHMP3 (1.6)	MTF2 (1.6)

ENSG00000236827 (2	ENSG00000223522 (2	MAP1A (2.0)	REEP1 (2.0)	TSSK6 (2.0)
ENSG00000182319 (2	NCAN (2.5)	MPP2 (2.5)	CCDC92 (2.4)	BCL7B (2.2)
SLC30A3 (2.6)	C1QTNF4 (2.5)	NCAN (2.3)	CASC4 (2.0)	REEP1 (2.0)
EIF3J (2.3)	CASC4 (2.0)	SUMO1 (2.0)	TXNL4B (2.0)	GPN1 (1.9)
CCDC121 (2.3)	ENSG00000223745 (1	INTS10 (1.9)	MAPRE3 (1.8)	BMPR2 (1.8)
ARID1A (2.4)	KANK2 (2.1)	HDAC5 (2.0)	MTMR9 (1.9)	BCL7B (1.9)
MPP3 (2.6)	REEP1 (2.4)	TRNP1 (2.4)	MAPRE3 (2.4)	BCAM (2.0)
TP53BP1 (2.6)	IZUMO1 (2.5)	IFT172 (2.5)	WDR76 (2.3)	ENSG00000223522 (2
ARHGAP1 (2.1)	GMIP (2.0)	C17orf105 (1.9)	SUMO1 (1.9)	FADS2 (1.6)
LINC00208 (2.3)	FRMD5 (2.1)	FAM167A (1.9)	CSGALNACT1 (1.9)	C8orf49 (1.8)
REEP1 (2.7)	MYBPC3 (2.0)	MRPL33 (1.7)	MAMSTR (1.4)	KANK2 (1.4)
TXNL4B (2.9)	C2orf53 (2.6)	STRC (2.5)	TSSK6 (2.4)	C17orf105 (2.4)
TMEM175 (2.4)	MPV17 (2.3)	TDH (2.3)	ABHD1 (2.2)	ENSG00000236267 (2
FRMD5 (2.5)	TRIM54 (2.5)	REEP1 (2.4)	ENSG00000222035 (2	MAP1A (2.1)
NUP160 (2.9)	MTF2 (2.9)	CTDSPL2 (2.7)	DDB2 (2.4)	CKAP5 (2.3)
ENSG00000222035 (2	FRMD5 (2.3)	TRIM54 (2.1)	TRNP1 (2.1)	PACSIN3 (1.8)
TRNP1 (1.8)	TUBGCP4 (1.8)	C11orf9 (1.7)	SUPT7L (1.7)	SDCBP (1.5)
UBXN2B (2.5)	HDAC5 (2.2)	MTF2 (2.1)	ENSG00000182329 (2	PPM1G (2.0)
ATG4C (2.6)	ZNF512 (2.0)	SIDT2 (1.9)	NRBF2 (1.7)	ENSG00000182329 (1
ATG4C (2.6)	ZNF512 (2.0)	SIDT2 (1.9)	NRBF2 (1.7)	ENSG00000182329 (1
ENSG00000223745 (2	AGBL5 (2.5)	PCIF1 (2.3)	GTF3C2 (2.3)	AMBRA1 (2.2)
CTDSPL2 (2.7)	CCDC121 (2.6)	IZUMO1 (2.6)	AGBL2 (2.5)	IFT172 (2.4)
CD300LG (2.0)	MTF2 (2.0)	CMIP (1.9)	ABO (1.8)	STRC (1.8)
SIK3 (2.1)	ENSG00000223522 (2	RBKS (1.9)	NSMAF (1.8)	ENSG00000256746 (1
USP1 (3.5)	WDR76 (3.1)	NUP160 (1.7)	DDB2 (1.6)	CTDSPL2 (1.6)
BRE (1.8)	DDB2 (1.8)	C17orf105 (1.7)	PYY (1.6)	APOE (1.6)
USP1 (2.3)	TP53BP1 (1.9)	C11orf49 (1.9)	MAPK10 (1.9)	ZNF335 (1.9)
REEP1 (2.8)	KANK2 (2.5)	ENSG00000222035 (1	TSSK6 (1.7)	C8orf12 (1.6)
ENSG00000179523 (2	FNBP4 (2.3)	ZNF512 (2.3)	ZNF259 (2.3)	PTPMT1 (2.0)
MAP1A (2.1)	APOA4 (2.0)	ATP13A1 (1.8)	KANK2 (1.8)	NAGS (1.6)
IFT172 (3.1)	TRIM54 (2.8)	MYBPC3 (2.8)	AGBL5 (2.2)	ENSG00000179523 (2
KBTBD4 (2.9)	AGBL5 (2.6)	ENSG00000179523 (2	TP53BP1 (2.2)	CCDC121 (2.0)
TRNP1 (2.6)	NCAN (2.6)	C11orf49 (2.4)	CGREF1 (2.2)	CCDC92 (2.1)
SDCBP (2.4)	MPV17 (2.4)	GCKR (2.2)	SNX17 (2.2)	ZNF513 (2.0)
C2orf53 (3.5)	IFT172 (3.4)	ENSG00000234945 (3	PMFBP1 (3.0)	IZUMO1 (2.6)
NCAN (2.5)	TRNP1 (2.4)	C11orf49 (2.4)	CGREF1 (2.3)	C1QTNF4 (2.1)
CCDC18 (3.8)	WDR76 (3.5)	NUP160 (2.9)	CTDSPL2 (2.6)	GTF3C2 (2.0)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.7)	CTDSPL2 (1.6)	DDB2 (1.5)
PTPN13 (1.6)	TSSK6 (1.4)	UCN (1.3)	ENSG00000236827 (1	GCKR (1.2)
USP1 (3.6)	WDR76 (3.1)	CTDSPL2 (1.9)	DDB2 (1.9)	NUP160 (1.9)
ENSG00000182319 (1	NCAN (1.4)	ENSG00000256731 (1	C11orf9 (1.3)	UBXN2B (1.3)
USP1 (3.4)	WDR76 (3.0)	DDB2 (2.2)	CTDSPL2 (1.6)	NUP160 (1.4)
ENSG00000257711 (2	ZDHHC18 (1.9)	ENSG00000182329 (1	FUT1 (1.8)	RIC8B (1.8)
PYY (2.0)	MADD (1.9)	RBKS (1.7)	PTPN13 (1.5)	FNDC4 (1.5)
HAPLN4 (1.7)	NCAN (1.7)	ENSG00000236827 (1	ENSG00000182319 (1	C1QTNF4 (1.5)
NCAN (2.8)	TBL2 (2.6)	FUT2 (2.4)	CGREF1 (2.2)	SLC5A6 (2.2)
CHMP3 (2.1)	ZNF664 (2.1)	PBX4 (2.1)	CCDC92 (2.0)	ZDHHC18 (2.0)
LPAL2 (2.4)	STRC (2.3)	ENSG00000223522 (2	ABO (2.2)	ENSG00000222035 (2
NDUFS3 (2.3)	PTPMT1 (2.2)	MRPL35 (1.8)	C2orf28 (1.8)	SUPT7L (1.7)
DNAJC5G (1.7)	C8orf12 (1.7)	ENSG00000257711 (1	C17orf105 (1.6)	FAM167A (1.6)

NRBP1 (1.9)	TUBGCP4 (1.9)	DUSP3 (1.9)	WDR76 (1.8)	CILP2 (1.8)
ENSG00000236827 (2	DOCK6 (1.9)	HDAC5 (1.9)	DNAH10 (1.7)	GMIP (1.6)
HAPLN4 (2.4)	FRMD5 (2.3)	C2orf53 (2.3)	UCN (2.3)	ENSG00000236827 (2
SLC30A3 (2.8)	NCAN (2.4)	C1QTNF4 (2.4)	REEP1 (2.1)	MYBPC3 (2.0)
ZNF259 (2.5)	MRPL33 (2.4)	CCDC121 (2.3)	ZNF513 (2.3)	SUPT7L (2.1)
SUMO1 (2.2)	WDR76 (2.0)	CKAP5 (1.9)	ENSG00000179523 (1	CMIP (1.3)
SUMO1 (2.2)	WDR76 (2.0)	CKAP5 (1.9)	ENSG00000179523 (1	CMIP (1.3)
FNDC4 (2.4)	STRC (2.4)	C1QTNF4 (2.3)	C11orf49 (2.1)	SLC30A3 (2.0)
BAZ1B (2.7)	MTF2 (2.6)	CCDC18 (2.5)	NUP160 (2.3)	GPN1 (2.2)
JMJD1C (2.1)	NCAN (2.0)	DOCK6 (1.9)	CTDSPL2 (1.9)	UBXN2B (1.8)
TSSK6 (3.7)	IZUMO1 (3.4)	ABHD1 (3.0)	ENSG00000234945 (2	CATSPER2 (1.9)
DR1 (1.7)	PAFAH1B2 (1.6)	HDAC5 (1.6)	ZNF664 (1.6)	ENSG00000223745 (1
FEN1 (2.4)	ENSG00000256731 (2	USP1 (2.0)	MPP3 (1.7)	DNAH10 (1.7)
CCDC18 (2.9)	MTF2 (2.4)	FEN1 (2.3)	CKAP5 (2.2)	INTS10 (2.1)
MPP3 (2.4)	CD300LG (2.4)	SLC30A3 (2.4)	DPYSL5 (2.1)	C2orf53 (2.0)
MPP3 (2.4)	CD300LG (2.4)	SLC30A3 (2.4)	DPYSL5 (2.1)	C2orf53 (2.0)
SUMO1 (2.1)	ZNF664 (2.0)	ENSG00000235545 (2	WDR76 (1.9)	TP53BP1 (1.9)
USP1 (3.6)	WDR76 (2.9)	DDB2 (1.7)	NUP160 (1.7)	CTDSPL2 (1.6)
KLF14 (1.8)	ENSG00000235545 (1	TRNP1 (1.8)	TMEM175 (1.7)	PMFBP1 (1.7)
NDUFS3 (3.5)	PTPMT1 (3.5)	MTCH2 (2.6)	ENSG00000200241 (2	PPIP5K1 (2.4)
TDH (2.4)	CILP2 (2.1)	FUT2 (2.1)	ENSG00000255020 (2	BCL7B (1.9)
ENSG00000182329 (3	MAP1A (2.7)	IFT172 (2.6)	TRIM54 (2.6)	IGF2R (2.3)
MAP1A (2.3)	ENSG00000255020 (2	TDH (2.1)	CGREF1 (2.1)	ENSG00000223522 (2
RFX4 (2.5)	MAPK10 (2.5)	ENSG00000182319 (2	TRNP1 (1.9)	MAPRE3 (1.8)
LINC00208 (2.3)	DNAH10 (2.1)	ZNF664 (2.1)	CCDC92 (2.1)	IFT172 (2.0)
FGF21 (2.7)	ENSG00000223745 (2	SPG11 (2.4)	HARBI1 (2.4)	IMMT (2.4)
TAGLN (4.0)	GATA4 (3.2)	FRMD5 (3.0)	ARHGAP1 (2.8)	REEP1 (2.3)
USP1 (3.5)	WDR76 (2.9)	DDB2 (1.9)	NUP160 (1.8)	CTDSPL2 (1.6)
HAPLN4 (2.3)	CCDC92 (2.1)	MPP3 (2.1)	ENSG00000182329 (2	AGBL2 (2.0)
MPP3 (2.6)	CD300LG (2.4)	SLC30A3 (2.3)	DPYSL5 (2.2)	C2orf53 (1.9)
BAZ1B (3.0)	NUP160 (2.6)	MTF2 (2.5)	USP1 (2.4)	CCDC18 (2.4)
MTMR9 (2.3)	MAMSTR (2.2)	LINC00208 (1.8)	NOP58 (1.8)	C11orf49 (1.8)
WDR76 (3.3)	DDB2 (2.4)	CTDSPL2 (2.1)	BAZ1B (1.6)	ENSG00000235545 (1
CLPTM1 (1.8)	DNAH10 (1.8)	CCDC121 (1.5)	ENSG00000236827 (1	OST4 (1.5)
MTF2 (2.0)	UBXN2B (1.9)	CGREF1 (1.9)	SUGP1 (1.8)	MPV17 (1.7)
ENSG00000256746 (1	PMFBP1 (1.8)	AFF1 (1.6)	TSSK6 (1.5)	CASC4 (1.5)
DPYSL5 (2.6)	TRNP1 (2.5)	SLC30A3 (2.3)	FNDC4 (2.3)	MAPK10 (2.2)
FUT2 (2.0)	DNAH10 (1.9)	C8orf12 (1.7)	CILP2 (1.6)	FRMD5 (1.6)
UCN (2.2)	LPAL2 (2.2)	SLC22A3 (2.1)	ENSG00000256746 (2	REEP1 (1.9)
NCAN (2.5)	ENSG00000257711 (2	DNAJC5G (2.3)	ENSG00000236827 (2	MAP1A (2.2)
USP1 (3.5)	WDR76 (3.0)	DDB2 (1.6)	NUP160 (1.6)	CTDSPL2 (1.5)
C1QTNF4 (2.2)	FNDC4 (2.1)	ENSG00000226645 (2	KRTCAP3 (2.0)	CBLC (2.0)
USP1 (3.6)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.8)	CTDSPL2 (1.6)
PTPMT1 (2.1)	MTMR9 (2.1)	CATSPER2 (1.9)	LPAL2 (1.8)	C17orf105 (1.7)
CCDC92 (2.5)	FRMD5 (2.3)	PGS1 (2.2)	IFT172 (2.2)	CHMP3 (2.1)
REEP1 (2.8)	KANK2 (2.6)	MAP1A (2.2)	MYBPC3 (1.7)	DUSP3 (1.3)
SLC30A3 (2.8)	PPIP5K1 (2.4)	NCAN (2.1)	CTSB (2.1)	MRPL33 (2.0)
AGBL2 (2.6)	HAVCR1 (2.2)	ENSG00000223522 (1	CASC4 (1.8)	C17orf105 (1.7)
PREB (3.8)	C2orf28 (3.7)	TMED5 (3.5)	ATP13A1 (2.7)	GALNT2 (2.2)
MAPK10 (1.6)	C1QTNF4 (1.6)	MTMR9 (1.4)	C1orf172 (1.4)	MAP1A (1.3)

USP1 (3.6)	WDR76 (2.9)	DDB2 (1.7)	NUP160 (1.7)	CTDSPL2 (1.5)
ENSG00000236827 (1	C1orf172 (1.8)	ZDHHC18 (1.8)	HDAC5 (1.6)	FUT1 (1.5)
ENSG00000223745 (2	SDCBP (2.2)	IZUMO1 (2.1)	TMEM101 (2.0)	MAPRE3 (1.9)
ENSG00000223745 (2	SDCBP (2.2)	IZUMO1 (2.1)	TMEM101 (2.0)	MAPRE3 (1.9)
ENSG00000255020 (2	ENSG00000182329 (2	C17orf105 (2.2)	MPP3 (2.1)	TDH (2.1)
TSSK6 (2.6)	TXNL4B (2.5)	C17orf105 (2.5)	STRC (2.3)	CASC4 (2.2)
FNBP4 (2.3)	ARFGAP2 (2.3)	MTF2 (2.2)	MAPRE3 (2.2)	EIF3J (2.1)
PBX4 (2.1)	ENSG00000236267 (2	MPP3 (2.1)	ENSG00000235545 (1	ABHD1 (1.9)
ENSG00000256746 (2	ABHD1 (2.3)	TUBGCP4 (2.3)	ENSG00000179523 (2	ATG4C (2.1)
AGBL2 (1.8)	C8orf12 (1.8)	LINC00208 (1.7)	FGF21 (1.5)	LPAL2 (1.5)
PTPRJ (2.1)	SPG11 (1.9)	ZDHHC18 (1.8)	FGF21 (1.8)	ENSG00000234945 (1
TRNP1 (2.6)	NCAN (2.4)	MADD (2.4)	C1QTNF4 (2.1)	FADS1 (2.0)
GATA4 (2.4)	C2orf16 (2.3)	UCN (2.2)	HDAC5 (2.0)	NCAN (1.9)
C1orf172 (2.3)	PCSK7 (1.9)	GATA4 (1.8)	ZNF408 (1.8)	KRTCAP3 (1.7)
NCAN (2.8)	TRNP1 (2.4)	MAPK10 (2.1)	MADD (2.1)	FNDC4 (2.1)
RBKS (2.4)	LINC00208 (2.4)	TDH (2.2)	ENSG00000256746 (2	PBX4 (2.1)
AFF1 (1.7)	ENSG00000256746 (1	ENSG00000236827 (1	CASC4 (1.5)	USP1 (1.4)
ENSG00000235545 (2	ENSG00000179523 (2	AGBL2 (1.9)	ENSG00000256731 (1	ENSG00000222035 (1
ENSG00000235545 (2	ENSG00000179523 (2	AGBL2 (1.9)	ENSG00000256731 (1	ENSG00000222035 (1
CELF1 (2.6)	PPIP5K1 (2.4)	CHMP3 (2.4)	CATSPER2 (2.4)	MPP3 (2.1)
PTPRJ (2.1)	ZDHHC18 (2.1)	ABO (2.0)	TSSK6 (1.9)	LPAL2 (1.8)
DNAH10 (3.3)	ENSG00000182329 (2	RBKS (2.5)	TP53BP1 (2.0)	PTPN13 (1.8)
ZDHHC18 (1.6)	SUPT7L (1.6)	RBKS (1.6)	DNAJC5G (1.6)	PIGV (1.4)
CCDC92 (2.6)	C11orf49 (2.4)	FRMD5 (2.4)	AGBL2 (2.2)	PGS1 (2.1)
MPP3 (2.9)	NCAN (2.9)	MAP1A (2.9)	SLC30A3 (2.6)	CELF1 (2.0)
DNAH10 (2.1)	PMFBP1 (2.0)	ABO (1.9)	ENSG00000236827 (1	PYY (1.9)
ENSG00000236267 (1	PTPRJ (1.7)	PBX4 (1.7)	ZDHHC18 (1.6)	LPAL2 (1.5)
MFAP1 (3.1)	USP1 (3.1)	DDB2 (3.1)	TUBGCP4 (2.9)	NUP160 (2.8)
MYBPC3 (3.0)	GATA4 (3.0)	FRMD5 (2.7)	UCN (2.5)	ENSG00000222035 (2
USP1 (3.4)	WDR76 (3.1)	NUP160 (1.8)	MFAP1 (1.6)	CTDSPL2 (1.6)
MAPK10 (1.9)	C8orf12 (1.8)	MPP3 (1.7)	CASC4 (1.7)	ZDHHC18 (1.6)
ENSG00000182329 (2	C1QTNF4 (2.4)	ENSG00000223745 (2	TRNP1 (2.3)	NCAN (2.2)
TMEM214 (2.6)	IFT172 (2.4)	C11orf49 (2.1)	GPN1 (2.0)	NCAN (1.8)
USP1 (3.5)	WDR76 (2.8)	DDB2 (1.9)	NUP160 (1.8)	CTDSPL2 (1.5)
USP1 (3.6)	WDR76 (3.2)	DDB2 (1.9)	NUP160 (1.9)	CTDSPL2 (1.8)
USP1 (3.6)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.7)	CTDSPL2 (1.6)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.9)	DDB2 (1.7)	CTDSPL2 (1.6)
ABO (2.4)	CATSPER2 (2.3)	MPP3 (2.2)	MAP1A (2.2)	NCAN (2.2)
CKAP5 (2.4)	EIF3J (2.3)	ZNF408 (2.2)	MADD (2.2)	USP1 (2.1)
RBKS (2.1)	KHK (2.1)	ABHD1 (2.0)	GCKR (2.0)	C8orf49 (2.0)
TMEM175 (2.3)	PIGV (1.9)	ATG4C (1.9)	CATSPER2 (1.9)	IZUMO1 (1.9)
MPP3 (2.8)	TRIM54 (2.7)	FGF21 (2.5)	BCAM (2.3)	NEIL2 (2.3)
TRNP1 (2.8)	MAPK10 (2.5)	NCAN (2.4)	EPB41L3 (2.1)	FNDC4 (2.0)
MTF2 (3.4)	BRE (3.2)	CCDC18 (2.5)	USP1 (2.1)	NUP160 (1.7)
USP1 (3.6)	WDR76 (2.9)	DDB2 (1.7)	CTDSPL2 (1.7)	NUP160 (1.6)
ATG13 (2.7)	NRBF2 (2.7)	CASC4 (2.1)	ZNF664 (2.0)	BCL7B (2.0)
RIC8B (2.3)	ZNF664 (2.2)	IZUMO1 (2.1)	LPAR2 (2.0)	DNAJC5G (1.8)
MAPK10 (3.1)	MADD (2.7)	SLC30A3 (2.6)	DPYSL5 (2.4)	MAPRE3 (2.4)
LINC00208 (2.2)	PTPN13 (2.2)	SDCBP (2.1)	SPG11 (2.1)	C11orf49 (2.0)
ENSG00000223745 (2	MPV17 (2.6)	ENSG00000226645 (2	TECTB (2.4)	MAP1A (2.3)

USP1 (3.6)	WDR76 (2.9)	CTDSPL2 (2.0)	DDB2 (1.9)	NUP160 (1.9)
ENSG00000256746 (1	AFF1 (1.7)	PMFBP1 (1.6)	CASC4 (1.5)	TSSK6 (1.5)
ENSG00000223522 (3	C8orf12 (2.9)	FUT2 (2.8)	ENSG00000222035 (2	CCDC121 (2.3)
ENSG00000236827 (2	CD300LG (1.7)	MAPK10 (1.5)	TECTB (1.4)	PMFBP1 (1.3)
USP1 (3.3)	NUP160 (3.2)	FEN1 (2.9)	BAZ1B (2.8)	ZNF512 (2.4)
NCAN (2.6)	TRNP1 (2.5)	C1QTNF4 (2.4)	C11orf9 (2.1)	CGREF1 (2.1)
USP1 (3.4)	WDR76 (3.1)	DDB2 (1.7)	CTDSPL2 (1.7)	NUP160 (1.6)
USP1 (2.3)	FEN1 (2.0)	CTDSPL2 (1.8)	BAZ1B (1.6)	ZNF335 (1.6)
SLC30A3 (2.0)	NEIL2 (1.9)	CILP2 (1.9)	FZD9 (1.7)	DNAJC5G (1.6)
USP1 (3.6)	WDR76 (2.9)	NUP160 (1.9)	DDB2 (1.8)	CTDSPL2 (1.7)
NCAN (2.6)	TRNP1 (2.4)	MADD (2.2)	MAPK10 (2.1)	FADS1 (2.1)
TRNP1 (2.8)	MAPK10 (2.4)	NCAN (2.3)	FNDC4 (2.1)	C1QTNF4 (2.0)
C2orf16 (2.1)	AGBL2 (2.0)	PVRL2 (1.6)	ENSG00000234945 (1	PTPN13 (1.5)
TRNP1 (2.6)	NCAN (2.5)	MAPK10 (2.2)	C1QTNF4 (2.2)	FADS1 (2.1)
NCAN (2.3)	C1QTNF4 (2.1)	TRNP1 (2.0)	CGREF1 (1.8)	ENSG00000223745 (1
TP53BP1 (3.6)	DNAH10 (3.1)	MAP1A (3.0)	IFT172 (2.9)	CCDC18 (2.8)
USP1 (3.2)	NUP160 (3.0)	BAZ1B (3.0)	FEN1 (2.8)	ZNF512 (2.5)
DNAH10 (2.1)	KRTCAP3 (1.8)	SOST (1.6)	C17orf105 (1.6)	C8orf12 (1.5)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.7)	CTDSPL2 (1.5)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.7)	CTDSPL2 (1.6)
PCSK7 (2.3)	BCL7B (2.1)	MAU2 (2.1)	FGF21 (1.9)	C8orf12 (1.8)
TP53BP1 (2.0)	FAM167A (1.9)	MPP3 (1.9)	CILP2 (1.9)	PMFBP1 (1.9)
TP53BP1 (2.0)	FAM167A (1.9)	MPP3 (1.9)	CILP2 (1.9)	PMFBP1 (1.9)
TP53BP1 (2.0)	FAM167A (1.9)	MPP3 (1.9)	CILP2 (1.9)	PMFBP1 (1.9)
PACSIN3 (2.8)	ENSG00000182329 (2	LPAL2 (2.7)	FGF21 (2.4)	UBXN2B (1.8)
PACSIN3 (2.8)	ENSG00000182329 (2	LPAL2 (2.7)	FGF21 (2.4)	UBXN2B (1.8)
MFAP1 (1.8)	KBTBD4 (1.7)	C11orf49 (1.6)	GPN1 (1.5)	UBXN2B (1.5)
MAPRE3 (2.0)	TSSK6 (1.8)	KRTCAP3 (1.7)	NCAN (1.6)	C2orf53 (1.6)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.8)	CTDSPL2 (1.6)
CKAP5 (3.0)	UBXN2B (2.2)	TP53BP1 (2.2)	ENSG00000179523 (2	LINC00208 (1.8)
NCAN (2.6)	DPYSL5 (2.5)	TRNP1 (2.5)	MAPK10 (2.5)	FNDC4 (2.4)
ARFGAP2 (2.4)	FNBP4 (2.4)	TUBGCP4 (2.3)	MAPRE3 (2.2)	PAFAH1B2 (2.2)
MAP1A (2.3)	REEP1 (2.2)	UCN (2.1)	UBXN2B (2.1)	C1QTNF4 (1.9)
MAMSTR (2.3)	DUSP3 (2.3)	CASC4 (2.0)	C2orf28 (2.0)	MPP3 (1.9)
USP1 (3.7)	WDR76 (2.9)	DDB2 (1.9)	NUP160 (1.8)	CTDSPL2 (1.7)
LPAL2 (2.3)	MAPRE3 (2.0)	C1QTNF4 (2.0)	CELF1 (1.8)	SLC22A3 (1.8)
USP1 (3.7)	WDR76 (2.9)	NUP160 (1.8)	CTDSPL2 (1.7)	DDB2 (1.7)
SUGP1 (2.2)	EIF3J (2.2)	CTDSPL2 (2.1)	MTCH2 (2.0)	FAM167A (2.0)
C1QTNF4 (2.7)	MPP2 (2.4)	MAP1A (2.0)	ENSG00000236827 (1	ABO (1.5)
CATSPER2 (2.6)	WDR76 (2.3)	AGBL5 (1.7)	MAMSTR (1.6)	TBL2 (1.4)
ENSG00000255020 (1	RFX4 (1.6)	BMPR2 (1.4)	MAPRE3 (1.3)	NAT2 (1.3)
CKAP5 (2.8)	ZNF512 (2.5)	TUBGCP4 (2.5)	FEN1 (2.5)	USP1 (2.5)
ENSG00000257711 (2	MYBPC3 (2.2)	MAMSTR (2.2)	DNAJC5G (2.2)	FRMD5 (2.0)
TSSK6 (2.3)	C2orf53 (2.2)	USP1 (2.1)	ENSG00000256746 (1	CASC4 (1.9)
CASC4 (1.9)	ENSG00000222035 (1	CCDC18 (1.8)	CBLC (1.7)	HDAC5 (1.5)
USP1 (3.6)	WDR76 (2.9)	NUP160 (1.8)	DDB2 (1.7)	CTDSPL2 (1.6)
C1QTNF4 (2.7)	CHMP3 (2.4)	CCDC92 (2.3)	MPP2 (2.2)	MAPK10 (2.1)
TRNP1 (2.8)	NCAN (2.6)	C1QTNF4 (2.2)	C11orf49 (2.2)	EPB41L3 (2.1)
USP1 (3.6)	WDR76 (2.8)	NUP160 (1.8)	DDB2 (1.7)	CTDSPL2 (1.6)
ENSG00000222035 (2	TECTB (1.5)	PPY (1.4)	ENSG00000223522 (1	ENSG00000236827 (1

USP1 (3.5)	WDR76 (3.0)	NUP160 (1.7)	DDB2 (1.7)	CTDSPL2 (1.6)
USP1 (3.7)	WDR76 (3.1)	NUP160 (1.8)	CTDSPL2 (1.7)	DDB2 (1.6)
CATSPER2 (2.6)	WDR76 (2.3)	AGBL5 (1.7)	MAMSTR (1.5)	TBL2 (1.4)
CATSPER2 (2.6)	WDR76 (2.3)	AGBL5 (1.7)	MAMSTR (1.5)	TBL2 (1.4)
USP1 (3.6)	WDR76 (3.2)	DDB2 (2.4)	NUP160 (1.8)	ATG13 (1.5)
NCAN (2.6)	TRIM54 (2.5)	HAPLN4 (2.4)	ENSG00000182319 (2	MAPRE3 (2.4)
USP1 (3.7)	WDR76 (3.0)	NUP160 (1.7)	DDB2 (1.7)	CTDSPL2 (1.7)
SDCBP (2.4)	MPP2 (2.4)	NRBP1 (2.3)	EIF2B4 (2.2)	C11orf49 (2.1)
C1QTNF4 (2.5)	NCAN (2.2)	TRNP1 (2.1)	MADD (2.1)	C11orf9 (2.1)
SUMO1 (2.4)	EIF2B4 (2.4)	SUGP1 (2.1)	MPV17 (2.1)	C2orf28 (1.8)
AGBL2 (3.0)	CCDC18 (3.0)	IFT172 (2.9)	C11orf49 (2.7)	DPYSL5 (2.6)
C2orf53 (2.5)	TSSK6 (2.4)	STRC (2.2)	CASC4 (2.1)	ABHD1 (2.1)
MAMSTR (3.1)	TAGLN (2.4)	DUSP3 (2.3)	KANK2 (2.2)	ENSG00000223745 (1
USP1 (3.6)	WDR76 (3.0)	NUP160 (1.8)	DDB2 (1.8)	CTDSPL2 (1.6)
IMMT (3.2)	GPN1 (3.1)	CAD (2.9)	MTCH2 (2.8)	ARFGAP2 (2.7)
LINC00208 (1.9)	ENSG00000223522 (1	HAVCR1 (1.8)	PIGV (1.8)	NEIL2 (1.7)
KRTCAP3 (2.0)	ABO (1.9)	C1QTNF4 (1.9)	ENSG00000236827 (1	MAP1A (1.6)
USP1 (3.6)	WDR76 (3.0)	NUP160 (1.8)	DDB2 (1.8)	CTDSPL2 (1.6)
IZUMO1 (2.2)	MTMR9 (2.0)	ENSG00000222035 (2	NEIL2 (1.6)	TUBGCP4 (1.6)
FNDC4 (2.0)	ENSG00000182329 (1	NCAN (1.9)	C8orf49 (1.8)	FUT1 (1.8)
MAMSTR (2.6)	CASC4 (2.3)	DUSP3 (2.0)	HAPLN4 (2.0)	MPP3 (1.9)
DDB2 (2.3)	TRIM54 (2.3)	RIC8B (2.0)	TUBGCP4 (2.0)	SDCBP (1.9)
USP1 (3.2)	WDR76 (2.8)	CTDSPL2 (1.7)	MFAP1 (1.7)	BUD13 (1.6)
IZUMO1 (1.9)	FNDC4 (1.7)	ENSG00000223522 (1	STRC (1.5)	PYY (1.5)
C8orf12 (1.9)	DNAH10 (1.9)	CASC4 (1.9)	MAPK10 (1.8)	RIC8B (1.8)
SLC22A3 (2.1)	HAPLN4 (2.1)	IZUMO1 (2.0)	HAVCR1 (1.9)	NCAN (1.8)
SLC22A3 (2.1)	HAPLN4 (2.1)	IZUMO1 (2.0)	HAVCR1 (1.9)	NCAN (1.8)
MAP1A (2.7)	SLC30A3 (2.6)	TRNP1 (1.9)	MPP3 (1.9)	DPYSL5 (1.8)
USP1 (3.5)	WDR76 (2.9)	DDB2 (1.8)	NUP160 (1.6)	CTDSPL2 (1.5)
IZUMO1 (2.4)	SPG11 (2.4)	IFT172 (2.3)	LPAR2 (2.2)	ENSG00000253379 (2
DR1 (2.4)	ZNF664 (2.4)	ENSG00000256746 (2	ENSG00000179523 (2	SUMO1 (1.9)
USP1 (3.6)	WDR76 (3.0)	NUP160 (1.8)	CTDSPL2 (1.7)	DDB2 (1.7)
USP1 (3.6)	WDR76 (3.0)	NUP160 (1.8)	CTDSPL2 (1.7)	DDB2 (1.7)
RBKS (2.4)	LINC00208 (2.2)	TDH (2.1)	PBX4 (1.9)	ENSG00000236267 (1
IFT172 (2.5)	STRC (2.2)	UBXN2B (2.2)	PAFAH1B2 (2.1)	BUD13 (2.1)
PAFAH1B2 (2.5)	SUGP1 (2.4)	AMBRA1 (2.0)	EIF3J (2.0)	GPN2 (2.0)
C1QTNF4 (3.0)	TRNP1 (2.6)	NCAN (2.2)	ENSG00000182329 (2	MADD (2.1)
IFT172 (2.5)	C11orf49 (2.4)	MAMSTR (2.3)	DNAH10 (2.1)	ENSG00000179523 (2
IFT172 (3.7)	C2orf53 (3.3)	ENSG00000234945 (2	PMFBP1 (2.5)	C11orf49 (2.4)
UCN (1.5)	ACP2 (1.4)	MAP1A (1.4)	TM6SF2 (1.3)	LPAL2 (1.2)
CGREF1 (1.9)	FNDC4 (1.8)	PMFBP1 (1.7)	ENSG00000222035 (1	C8orf12 (1.5)
MAP1A (2.9)	KANK2 (2.9)	REEP1 (2.8)	FRMD5 (2.3)	ZDHHC18 (2.2)
C8orf12 (2.1)	ABO (1.9)	KRTCAP3 (1.9)	MAP1A (1.8)	ENSG00000236827 (1
GMIP (2.3)	ZNF335 (2.2)	PCSK7 (2.1)	RIC8B (2.0)	CCDC92 (1.8)
TAGLN (2.8)	ARHGAP1 (2.1)	MRPL33 (1.8)	UBXN2B (1.6)	IGF2R (1.6)
DPYSL5 (2.6)	MAPK10 (2.4)	NCAN (2.3)	FNDC4 (2.2)	EPB41L3 (2.0)
NCAN (2.4)	C1QTNF4 (2.3)	TRNP1 (2.2)	ZDHHC18 (2.1)	CGREF1 (1.9)
MPV17 (1.9)	FUT2 (1.8)	DNAH10 (1.7)	PPY (1.6)	TM6SF2 (1.5)
CASC4 (2.3)	ENSG00000223522 (2	BCL7B (2.2)	C1orf172 (2.1)	SLC30A3 (2.0)
CTDSPL2 (2.5)	ENSG00000255020 (2	MTF2 (2.3)	INTS10 (2.2)	PPM1G (2.1)

MAPK10 (2.5)	TRNP1 (2.3)	MADD (2.2)	NCAN (2.1)	FADS1 (2.1)
USP1 (3.5)	WDR76 (2.9)	NUP160 (1.7)	DDB2 (1.7)	CTDSPL2 (1.5)
TRNP1 (2.6)	MAPK10 (2.2)	MADD (2.1)	NCAN (2.1)	FNDC4 (2.0)
NFE2L3 (2.0)	REEP1 (2.0)	MAMSTR (1.9)	DPYSL5 (1.9)	MPP2 (1.7)
PACSIN3 (2.6)	MAP1A (2.5)	SLC30A3 (2.3)	MAMSTR (2.2)	HAPLN4 (2.1)
TMEM101 (2.4)	NEIL2 (2.3)	MADD (2.0)	MPV17 (2.0)	INTS10 (1.9)
C2orf16 (1.7)	SDC1 (1.5)	MTF2 (1.5)	AGBL5 (1.4)	C1orf172 (1.4)
FUT2 (1.9)	PMFBP1 (1.8)	ENSG00000236827 (1	SOST (1.6)	PCSK7 (1.5)
PTPN13 (2.1)	GCKR (2.0)	RBKS (1.9)	CCDC121 (1.9)	PYY (1.8)
TSSK6 (2.5)	C2orf53 (2.4)	SUMO1 (2.1)	ENSG00000256746 (1	USP1 (1.9)
TAGLN (3.0)	FRMD5 (2.3)	GATA4 (2.3)	REEP1 (2.2)	ARHGAP1 (2.1)
C1QTNF4 (2.0)	CASC4 (2.0)	MTMR9 (1.9)	JMJD1C (1.8)	LSM12 (1.5)
TP53BP1 (3.2)	MAP1A (2.9)	IFT172 (2.9)	MAPRE3 (2.8)	MTMR9 (2.8)
STRC (2.3)	ENSG00000236267 (2	PPY (1.9)	HAPLN4 (1.9)	PYY (1.9)
TRNP1 (2.8)	NCAN (2.6)	MAPK10 (2.5)	FNDC4 (2.1)	MADD (2.0)
NCAN (2.6)	TRNP1 (2.6)	MAPK10 (2.4)	C1QTNF4 (2.2)	FADS1 (2.1)
MAP1A (2.4)	UCN (2.2)	FZD9 (2.2)	IZUMO1 (2.1)	C2orf16 (2.1)
RBKS (2.2)	PAFAH1B2 (1.9)	ENSG00000226645 (1	MRPL33 (1.9)	WDR76 (1.8)
MFAP1 (2.2)	TDH (2.1)	SIK3 (2.1)	ENSG00000256746 (2	TMEM175 (2.0)
KRTCAP3 (2.0)	C1QTNF4 (2.0)	ABO (1.7)	ENSG00000236827 (1	C11orf9 (1.6)
KRTCAP3 (2.0)	C1QTNF4 (2.0)	ABO (1.7)	ENSG00000236827 (1	C11orf9 (1.6)
TRNP1 (2.6)	MAPK10 (2.5)	NCAN (2.3)	C1QTNF4 (2.0)	FADS1 (2.0)
MPP2 (3.2)	SLC30A3 (2.8)	MADD (2.7)	MAPK10 (2.7)	MPP3 (2.6)
C1QTNF4 (2.3)	MPP2 (2.2)	ENSG00000182319 (2	NCAN (1.9)	MAPK10 (1.9)
C1QTNF4 (2.9)	NCAN (2.6)	CGREF1 (2.3)	TRNP1 (2.1)	SLC30A3 (2.1)
EIF2B4 (2.3)	NOP58 (2.2)	PTCD3 (2.2)	SNX17 (2.2)	FDFT1 (2.1)
USP1 (3.4)	WDR76 (2.8)	NUP160 (1.8)	DDB2 (1.6)	CTDSPL2 (1.5)
RBKS (2.9)	AGBL5 (2.8)	DNAH10 (2.4)	C2orf53 (2.0)	TP53BP1 (1.9)
NCAN (2.4)	TRNP1 (2.3)	ENSG00000223745 (2	CGREF1 (2.1)	C11orf49 (2.1)
NRBF2 (3.0)	KBTBD4 (2.9)	MTF2 (2.7)	LSM12 (2.3)	MFAP1 (2.2)
SLC30A3 (2.9)	MAP1A (2.8)	C11orf9 (2.8)	C1QTNF4 (2.7)	MPP3 (2.4)
MAP1A (2.4)	FEN1 (2.4)	ENSG00000234945 (2	C17orf105 (2.0)	MAPK10 (2.0)
ARHGAP1 (2.0)	ZNF512 (2.0)	PTPRJ (1.7)	CLPTM1 (1.6)	ENSG00000254235 (1
CCDC121 (2.3)	AGBL5 (2.3)	PDIA3 (2.2)	PBX4 (2.0)	FEN1 (1.9)
ZNF335 (2.2)	CASC4 (2.0)	SIDT2 (2.0)	BUD13 (2.0)	USP1 (1.9)
TSSK6 (2.2)	FZD9 (2.0)	ATG4C (1.9)	FGF21 (1.8)	STRC (1.6)
LPAL2 (1.9)	C2orf16 (1.9)	DNAH10 (1.8)	CELF1 (1.8)	ENSG00000256746 (1
PMFBP1 (1.9)	SDCBP (1.9)	PVRL2 (1.8)	UBXN2B (1.7)	ARHGAP1 (1.6)
NCAN (2.5)	CHMP3 (2.5)	MPP3 (2.4)	CCDC92 (2.1)	ENSG00000182319 (1
SLC30A3 (2.9)	MAP1A (2.6)	MPP3 (2.3)	TRNP1 (2.1)	NCAN (1.9)
CCDC92 (1.7)	STRC (1.7)	GMIP (1.7)	ENSG00000253379 (1	EMILIN1 (1.5)
MFAP1 (1.9)	ZNF664 (1.6)	PIGV (1.6)	C8orf49 (1.6)	ZDHHC18 (1.6)
SUPT7L (2.5)	HARBI1 (2.4)	ENSG00000226645 (2	KDM3A (2.3)	SUMO1 (2.3)
LINC00208 (2.2)	DNAH10 (2.1)	UBXN2B (2.1)	SIDT2 (1.8)	ENSG00000222035 (1
SUPT7L (2.7)	HARBI1 (2.5)	MAU2 (2.3)	KDM3A (2.3)	TMEM101 (2.2)
ENSG00000257711 (2	MPP2 (2.3)	TSSK6 (2.3)	ZNF408 (2.1)	CATSPER2 (2.0)
MAPRE3 (2.2)	PLTP (1.8)	REEP1 (1.8)	LRP4 (1.8)	MLXIPL (1.6)
ENSG00000236827 (1	AFF1 (1.7)	ENSG00000256746 (1	ENSG00000179523 (1	USP1 (1.3)
C11orf49 (2.5)	MTMR9 (2.4)	MAP1A (2.4)	NCAN (2.4)	DPYSL5 (2.3)
ENSG00000222035 (1	ENSG00000256731 (1	RIC8B (1.7)	DNAH10 (1.6)	NAGS (1.6)

ENSG00000222035 (1	ENSG00000256731 (1	RIC8B (1.7)	DNAH10 (1.6)	NAGS (1.6)
ENSG00000256731 (2	PYY (1.9)	CASC4 (1.7)	TECTB (1.6)	DNAH10 (1.6)
MPP2 (2.7)	MAPK10 (2.4)	ENSG00000182329 (2	TRNP1 (2.3)	EPB41L3 (2.2)
TP53BP1 (3.3)	IFT172 (3.2)	MAP1A (3.1)	C11orf49 (2.5)	CKAP5 (2.2)
MAPK10 (2.6)	TRNP1 (2.5)	NCAN (2.4)	MADD (2.1)	C1QTNF4 (2.0)
TRNP1 (2.6)	MAPK10 (2.5)	NCAN (2.3)	FADS1 (2.2)	CCDC92 (2.0)
FUT1 (2.6)	SPG11 (2.6)	BRE (2.5)	MTCH2 (2.1)	CAD (2.1)
C2orf53 (2.8)	UCN (2.3)	SIK3 (2.2)	MPP2 (2.1)	FNDC4 (2.1)
MTMR9 (1.7)	TECTB (1.2)	CD300LG (1.2)	FUT1 (1.2)	NAT2 (1.2)
DNAJC5G (2.4)	TUBGCP4 (1.9)	ENSG00000257711 (1	ATG4C (1.7)	PIGV (1.7)
DNAJC5G (2.4)	TUBGCP4 (1.9)	ENSG00000257711 (1	ATG4C (1.7)	PIGV (1.7)
MAP1A (2.9)	SLC30A3 (2.6)	STRC (2.4)	TRNP1 (2.3)	BMPR2 (2.0)
MAP1A (2.9)	SLC30A3 (2.6)	STRC (2.4)	TRNP1 (2.3)	BMPR2 (2.0)
MTCH2 (2.9)	NEIL2 (2.8)	NDUFS3 (2.7)	MADD (2.6)	MPV17 (2.0)
SIK3 (2.3)	RIC8B (2.0)	MPP2 (2.0)	MTCH2 (1.9)	CASC4 (1.9)
HARBI1 (2.2)	CYP7A1 (2.1)	MAU2 (2.1)	SIDT2 (2.0)	C17orf105 (1.9)
ENSG00000255020 (2	ENSG00000234945 (2	SLC30A3 (2.1)	ENSG00000226645 (1	NAT2 (1.7)
PPIP5K1 (2.6)	MAPRE3 (2.5)	FADS2 (1.9)	PACSIN3 (1.9)	BMPR2 (1.8)
MAPK10 (3.0)	NCAN (2.6)	TRNP1 (2.3)	MADD (2.1)	C1QTNF4 (2.1)
PAFAH1B2 (2.6)	EIF3J (2.3)	BCL7B (2.3)	ZNF335 (2.0)	TP53BP1 (2.0)
NCAN (2.5)	TRNP1 (2.2)	C1QTNF4 (2.2)	C11orf9 (2.2)	CGREF1 (2.1)
FEN1 (2.6)	PTCD3 (2.4)	IMMT (2.4)	NUP160 (2.4)	INTS10 (2.3)
ZNF512 (2.1)	ENSG00000223745 (2	WDR76 (2.1)	UCN (2.0)	HARBI1 (2.0)
MFAP1 (2.3)	EIF3J (2.1)	MTF2 (2.0)	BUD13 (2.0)	WDR76 (2.0)
CCDC92 (2.1)	CHMP3 (2.1)	TMED5 (2.0)	TSSK6 (1.8)	CSGALNACT1 (1.8)
MADD (2.7)	NCAN (2.6)	MAPK10 (2.4)	TRNP1 (2.3)	CMIP (2.1)
C1QTNF4 (2.8)	NCAN (2.4)	MAPRE3 (2.2)	SLC30A3 (2.2)	MAP1A (2.0)
MAPK10 (3.0)	NCAN (2.6)	TRNP1 (2.5)	MADD (2.1)	C11orf49 (2.1)
MAP1A (2.6)	TRIM54 (2.5)	MAPRE3 (2.2)	BMPR2 (2.2)	ENSG00000182329 (2
MAPK10 (2.7)	NCAN (2.5)	TRNP1 (2.4)	MADD (2.2)	FADS1 (2.1)
TMEM101 (2.1)	C17orf105 (2.0)	CATSPER2 (1.9)	IZUMO1 (1.9)	PPIP5K1 (1.9)
UBXN2B (2.6)	DNAH10 (2.1)	LINC00208 (2.1)	C8orf12 (1.9)	ENSG00000222035 (1
DNAH10 (2.9)	C1QTNF4 (2.6)	FRMD5 (2.3)	C8orf49 (2.2)	NEIL2 (2.2)
MAPK10 (3.0)	NCAN (2.7)	TRNP1 (2.3)	C1QTNF4 (2.1)	MADD (2.1)
C1QTNF4 (2.4)	PBX4 (2.3)	SLC30A3 (2.1)	MAPK10 (2.1)	ENSG00000182319 (2
HAPLN4 (2.4)	ABO (2.3)	TRNP1 (2.2)	FNDC4 (2.2)	REEP1 (2.1)
TMEM175 (1.7)	ENSG00000256731 (1	MPP3 (1.4)	ENSG00000182319 (1	MAP1A (1.3)
MAP1A (2.3)	MAPRE3 (2.2)	NCAN (2.1)	ACP2 (1.7)	PLA2G6 (1.6)
REEP1 (1.8)	IZUMO1 (1.8)	LPAL2 (1.4)	C8orf12 (1.3)	ENSG00000236827 (1
C11orf49 (1.9)	PTPN13 (1.8)	LPL (1.4)	INTS10 (1.4)	ENSG00000182329 (1
MAPK10 (3.1)	NCAN (2.6)	TRNP1 (2.4)	MADD (2.2)	C1QTNF4 (2.1)
TRNP1 (2.7)	MAPK10 (2.4)	NCAN (2.4)	MADD (2.1)	FADS1 (2.0)
USP1 (3.1)	WDR76 (2.8)	NUP160 (1.7)	TP53BP1 (1.5)	IFT172 (1.4)
MPP2 (2.7)	NCAN (2.6)	TRNP1 (2.5)	CGREF1 (2.2)	EPB41L3 (2.1)
MAPK10 (3.0)	NCAN (2.5)	TRNP1 (2.4)	C1QTNF4 (2.1)	PPIP5K1 (2.0)
MAMSTR (2.6)	TAGLN (2.5)	KANK2 (2.3)	DUSP3 (2.2)	MAP1A (2.0)
TRNP1 (2.6)	NCAN (2.6)	C11orf49 (2.5)	MAPK10 (2.0)	CHMP3 (1.9)
ENSG00000200241 (1	HAVCR1 (1.7)	ENSG00000223522 (1	TDH (1.6)	PIGV (1.5)
ENSG00000200241 (1	HAVCR1 (1.7)	ENSG00000223522 (1	TDH (1.6)	PIGV (1.5)
ENSG00000200241 (1	HAVCR1 (1.7)	ENSG00000223522 (1	TDH (1.6)	PIGV (1.5)

MAPK10 (3.0)	NCAN (2.7)	TRNP1 (2.3)	MADD (2.1)	C11orf49 (2.0)
MYBPC3 (2.6)	REEP1 (1.7)	SLC30A3 (1.6)	NEIL2 (1.6)	FZD9 (1.6)
ENSG00000236827 (2	TRNP1 (2.1)	TSSK6 (2.1)	DPYSL5 (1.9)	SIK3 (1.9)
MAPK10 (3.1)	NCAN (2.6)	TRNP1 (2.4)	MADD (2.2)	C1QTNF4 (2.1)
MAP1A (2.4)	MAPRE3 (2.1)	HAVCR1 (1.9)	PLTP (1.9)	MPP3 (1.7)
PACSIN3 (2.6)	MAP1A (2.4)	REEP1 (2.2)	ENSG00000255020 (2	DUSP3 (2.0)
SDC1 (1.6)	ARID1A (1.4)	MTF2 (1.4)	TRIB1 (1.4)	FZD9 (1.3)
MTMR9 (1.7)	C8orf12 (1.6)	ENSG00000179523 (1	DR1 (1.5)	PGS1 (1.5)
REEP1 (2.2)	MYBPC3 (1.9)	IZUMO1 (1.5)	MRPL33 (1.5)	GATA4 (1.3)
CCDC92 (2.3)	TRNP1 (2.1)	MPP2 (2.0)	MAPRE3 (1.9)	DPYSL5 (1.8)
C1QTNF4 (2.3)	TP53BP1 (2.2)	NCAN (2.2)	TRNP1 (2.0)	CGREF1 (1.9)
ABO (1.5)	MPP2 (1.5)	RBKS (1.4)	DNAJC5G (1.4)	C17orf105 (1.3)
ENSG00000222035 (2	SIDT2 (2.1)	ZNF335 (2.1)	USP1 (2.0)	DNAH10 (1.9)
MAPK10 (2.8)	TRNP1 (2.5)	NCAN (2.4)	MADD (2.1)	C1QTNF4 (2.1)
MPP2 (2.4)	HAPLN4 (2.3)	TMEM175 (2.0)	ABO (2.0)	C1QTNF4 (2.0)
ENSG00000236827 (2	REEP1 (2.3)	CASC4 (2.2)	TP53BP1 (2.1)	FRMD5 (2.1)
C1QTNF4 (2.7)	RIC8B (2.6)	AGBL2 (2.4)	TRNP1 (2.3)	C2orf53 (2.3)
ZNF664 (1.8)	PBX4 (1.7)	ENSG00000223522 (1	MFAP1 (1.7)	ENSG00000256746 (1
ZNF664 (1.8)	PBX4 (1.7)	ENSG00000223522 (1	MFAP1 (1.7)	ENSG00000256746 (1
CASC4 (1.9)	AFF1 (1.9)	USP1 (1.6)	ENSG00000256746 (1	TSSK6 (1.5)
ENSG00000234945 (1	CASC4 (1.6)	FUT2 (1.6)	PTPMT1 (1.5)	C17orf105 (1.3)
ENSG00000222035 (2	IZUMO1 (2.7)	CATSPER2 (2.6)	PBX4 (2.6)	IFT172 (2.5)
NDUFS3 (3.9)	PACSIN3 (3.0)	OST4 (2.3)	SLC30A3 (2.2)	GATA4 (2.2)
RIC8B (2.7)	C11orf49 (2.6)	C1QTNF4 (2.5)	AGBL2 (2.4)	ZNF408 (2.4)
USP1 (3.2)	WDR76 (2.9)	DDB2 (1.7)	CTDSPL2 (1.6)	NUP160 (1.5)
USP1 (2.1)	C2orf16 (2.1)	ENSG00000222035 (2	C2orf53 (2.0)	TUBGCP4 (1.8)
PTPRJ (1.9)	C2orf53 (1.8)	MYBPC3 (1.8)	PAFAH1B2 (1.8)	LINC00208 (1.7)
FRMD5 (2.6)	ENSG00000223522 (2	LPAR2 (2.1)	C11orf49 (2.0)	ENSG00000236827 (2
PACSIN3 (2.3)	KANK2 (2.0)	LRP4 (1.8)	ATG13 (1.8)	SUGP1 (1.8)
TP53BP1 (2.8)	REEP1 (2.4)	MAP1A (2.3)	HAVCR1 (2.3)	CHMP3 (2.2)
MAPK10 (2.7)	NCAN (2.6)	TRNP1 (2.6)	FADS1 (2.0)	CCDC92 (1.9)
ENSG00000223745 (2	NUP160 (2.0)	MRPL35 (2.0)	HARBI1 (1.9)	CGREF1 (1.9)
ENSG00000236827 (2	LRP4 (2.0)	ENSG00000182329 (1	NCAN (1.7)	RASIP1 (1.7)
CCDC92 (2.1)	LSM12 (2.0)	C8orf49 (1.8)	CKAP5 (1.6)	FNBP4 (1.5)
MPP3 (2.2)	MPP2 (2.2)	LPAL2 (2.0)	ABHD1 (2.0)	ENSG00000256746 (1
ENSG00000222035 (2	FRMD5 (2.4)	DPYSL5 (2.2)	CCDC18 (2.2)	CKAP5 (2.0)
SLC30A3 (2.9)	MPP3 (2.9)	MAP1A (2.8)	NCAN (2.7)	MAPK10 (2.6)
MAP1A (2.5)	SLC30A3 (2.4)	STRC (2.1)	MPP3 (2.1)	BMPR2 (2.0)
MAP1A (2.5)	SLC30A3 (2.4)	STRC (2.1)	MPP3 (2.1)	BMPR2 (2.0)
ENSG00000223522 (2	PMFBP1 (2.0)	FUT2 (1.8)	NCAN (1.8)	TECTB (1.7)
MAPK10 (3.0)	NCAN (2.6)	TRNP1 (2.4)	MADD (2.1)	C1QTNF4 (2.0)
MPV17 (1.8)	ENSG00000257711 (1	SOST (1.8)	PMFBP1 (1.5)	MAPK10 (1.5)
MAPK10 (2.9)	NCAN (2.5)	TRNP1 (2.4)	MADD (2.2)	C11orf49 (2.0)
MAPK10 (2.5)	PYY (2.4)	MPP3 (2.3)	C11orf9 (2.3)	CATSPER2 (2.2)
TRNP1 (2.8)	NCAN (2.5)	MAPK10 (2.3)	SLC30A3 (2.2)	C1QTNF4 (2.2)
MAPK10 (3.0)	NCAN (2.7)	MADD (2.2)	TRNP1 (2.2)	C1QTNF4 (2.0)
FGF21 (2.2)	BCAM (2.0)	MPP3 (1.9)	LRP4 (1.8)	ENSG00000222035 (1
TXNL4B (2.8)	ZNF513 (2.7)	KDM3A (2.6)	MTF2 (2.5)	SUPT7L (2.2)
STRC (2.6)	ENSG00000255020 (2	ENSG00000236827 (2	SLC5A6 (1.9)	FUT2 (1.8)
IFT172 (2.6)	DPYSL5 (2.4)	LPAR2 (2.4)	TP53BP1 (2.0)	MAP1A (1.9)

KHK (2.9)	PPIP5K1 (2.7)	MRPL33 (2.3)	MPP2 (2.2)	MAP1A (2.1)
C17orf105 (2.4)	IZUMO1 (1.9)	REEP1 (1.8)	ABHD1 (1.8)	ENSG00000182329 (1
MPP3 (2.6)	C17orf105 (2.5)	PBX4 (2.2)	NEIL2 (2.0)	TP53BP1 (1.8)
SLC30A3 (2.4)	MPP3 (2.3)	ENSG00000256746 (2	HAPLN4 (2.1)	MPP2 (2.0)
TDH (2.0)	PBX4 (2.0)	RIC8B (2.0)	HARBI1 (2.0)	ZNF664 (1.9)
MAPK10 (3.0)	NCAN (2.6)	TRNP1 (2.3)	C1QTNF4 (2.0)	C11orf49 (2.0)
CASC4 (1.8)	USP1 (1.6)	ENSG00000236827 (1	C17orf105 (1.4)	ENSG00000179523 (1
RIC8B (1.9)	ZNF408 (1.9)	TUBGCP4 (1.9)	ENSG00000182329 (1	DDB2 (1.8)
MAMSTR (1.8)	ENSG00000182329 (1	ABHD1 (1.7)	REEP1 (1.6)	SLC30A3 (1.5)
IFT172 (3.0)	MAP1A (2.9)	DNAH10 (2.8)	AGBL2 (2.7)	ENSG00000182329 (2
NCAN (2.7)	MAPRE3 (2.3)	C1QTNF4 (1.9)	ENSG00000182329 (1	ZDHHC18 (1.9)
CKAP5 (2.9)	CASC4 (2.5)	IZUMO1 (2.1)	DR1 (1.8)	SUMO1 (1.8)
MTMR9 (2.5)	MPP2 (2.4)	ZNF664 (2.1)	TSSK6 (1.9)	DPYSL5 (1.8)
TRNP1 (2.8)	NCAN (2.5)	SLC30A3 (2.1)	C11orf49 (2.0)	ZDHHC18 (2.0)
EMILIN1 (1.7)	TRIM54 (1.7)	ENSG00000256746 (1	GMIP (1.6)	HAVCR1 (1.5)
ENSG00000236267 (2	SUMO1 (2.3)	SUPT7L (2.0)	CCDC18 (1.9)	KDM3A (1.8)
SLC30A3 (2.1)	ENSG00000200241 (1	ENSG00000255020 (1	MPP3 (1.8)	TRNP1 (1.8)
MPP3 (2.1)	ENSG00000256731 (2	TMEM175 (2.0)	PCSK7 (1.9)	PTPMT1 (1.9)
ENSG00000256746 (2	HAVCR1 (2.2)	TRNP1 (1.9)	C1orf172 (1.6)	C11orf49 (1.6)
WDR76 (2.6)	USP1 (2.5)	MAP1A (2.2)	DPYSL5 (1.7)	DDB2 (1.6)
PPIP5K1 (1.4)	ZDHHC18 (1.3)	LPAL2 (1.3)	TM6SF2 (1.3)	CCDC121 (1.3)
REEP1 (2.0)	MRPL33 (1.9)	MYBPC3 (1.5)	ARHGAP1 (1.4)	KANK2 (1.3)
ENSG00000222035 (1	ENSG00000236827 (1	PLA2G6 (1.7)	TECTB (1.6)	FGF21 (1.4)
SLC30A3 (2.4)	C2orf16 (2.3)	CSGALNACT1 (2.1)	MAPK10 (2.0)	ENSG00000182329 (2
SUMO1 (2.5)	CASC4 (2.3)	WDR76 (2.0)	USP1 (1.8)	CTDSPL2 (1.7)
SUMO1 (2.5)	CASC4 (2.3)	WDR76 (2.0)	USP1 (1.8)	CTDSPL2 (1.7)
SUMO1 (2.5)	CASC4 (2.3)	WDR76 (2.0)	USP1 (1.8)	CTDSPL2 (1.7)
FEN1 (2.0)	WDR76 (2.0)	MTF2 (1.8)	CASC4 (1.8)	GATAD2A (1.7)
FEN1 (2.0)	WDR76 (2.0)	MTF2 (1.8)	CASC4 (1.8)	GATAD2A (1.7)
PAFAH1B2 (2.5)	MAU2 (2.5)	ENSG00000223745 (1	JMJD1C (1.7)	PCIF1 (1.6)
C8orf12 (2.7)	CCDC121 (2.1)	ENSG00000222035 (2	TSSK6 (1.7)	PMFBP1 (1.7)
ABO (2.0)	MAPRE3 (1.9)	SLC30A3 (1.9)	MAMSTR (1.9)	ACP2 (1.7)
HARBI1 (1.7)	C8orf12 (1.6)	TUBGCP4 (1.5)	DNAH10 (1.3)	PLA2G6 (1.3)
C1QTNF4 (1.9)	ABO (1.9)	MAP1A (1.8)	C8orf12 (1.7)	MPP3 (1.6)
CCDC121 (2.3)	C11orf49 (1.8)	ENSG00000236827 (1	ENSG00000256746 (1	RFX4 (1.7)
SOST (2.1)	ENSG00000255020 (2	ENSG00000236827 (2	ZNF408 (1.9)	LRP4 (1.8)
CASC4 (2.4)	WDR76 (2.2)	TXNL4B (2.1)	USP1 (1.9)	TMEM101 (1.7)
LPAL2 (2.1)	REEP1 (1.9)	IZUMO1 (1.7)	MRPL33 (1.7)	UBXN2B (1.6)
RBKS (2.6)	CCDC121 (2.4)	TP53BP1 (2.3)	DNAH10 (2.1)	AGBL5 (2.0)
CELF1 (2.4)	MADD (2.3)	ENSG00000182329 (2	HAVCR1 (2.0)	MRPL33 (2.0)
SLC30A3 (3.5)	ENSG00000255020 (2	C8orf12 (2.4)	ENSG00000236827 (2	DNAH10 (2.1)
C1QTNF4 (2.3)	MADD (2.2)	MAPRE3 (2.0)	MAP1A (2.0)	MPP3 (1.9)
CCDC121 (1.9)	C11orf49 (1.7)	AFF1 (1.7)	IZUMO1 (1.6)	PTPMT1 (1.6)
TP53BP1 (2.3)	IZUMO1 (2.3)	ENSG00000222035 (2	USP1 (1.9)	CASC4 (1.9)
FRMD5 (2.4)	GATA4 (1.8)	MPP3 (1.6)	C17orf105 (1.4)	ABHD1 (1.3)
FNDC4 (1.9)	C17orf105 (1.6)	NRBF2 (1.5)	ENSG00000223522 (1	LPAL2 (1.3)
SIDT2 (2.3)	HARBI1 (2.2)	PMFBP1 (2.1)	SUGP1 (1.6)	KBTBD4 (1.5)
CASC4 (2.5)	WDR76 (2.3)	FEN1 (2.0)	MFAP1 (1.9)	CTDSPL2 (1.8)
C11orf9 (2.4)	C1QTNF4 (2.3)	DR1 (2.1)	LRP4 (1.8)	TRNP1 (1.7)
MAPK10 (2.4)	MPP3 (2.4)	CCDC121 (2.1)	LPAL2 (2.1)	C11orf49 (2.0)

WDR76 (2.2)	CTDSPL2 (2.0)	FEN1 (2.0)	NUP160 (2.0)	LINC00208 (1.9)
FEN1 (1.9)	OST4 (1.7)	CASC4 (1.6)	ENSG00000236827 (1	GATAD2A (1.5)
DDB2 (1.8)	NSMAF (1.7)	IFT172 (1.6)	ENSG00000255020 (1	ENSG00000236267 (1
MADD (2.5)	MAP1A (2.5)	CCDC92 (2.3)	FNDC4 (2.1)	REEP1 (2.1)
SLC30A3 (3.2)	NCAN (2.8)	MAPK10 (2.5)	DPYSL5 (2.3)	HAPLN4 (2.2)
ENSG00000235545 (2	SIDT2 (2.0)	HAVCR1 (1.9)	MPP2 (1.9)	FNDC4 (1.9)
CHMP3 (2.3)	HAPLN4 (2.0)	ENSG00000182319 (1	ENSG00000182329 (1	MPP2 (1.7)
PAFAH1B2 (3.2)	CKAP5 (2.9)	DPYSL5 (2.6)	UBXN2B (2.5)	PBX4 (2.4)
CCDC92 (2.1)	TRNP1 (2.0)	ENSG00000255020 (2	MPP2 (2.0)	STRC (1.9)
PAFAH1B2 (2.9)	UBXN2B (2.8)	CKAP5 (2.8)	IFT172 (2.5)	PBX4 (2.3)
CASC4 (2.5)	WDR76 (2.5)	FEN1 (2.1)	CTDSPL2 (2.0)	NUP160 (1.9)
CASC4 (2.5)	WDR76 (2.5)	FEN1 (2.1)	CTDSPL2 (2.0)	NUP160 (1.9)
MPP2 (2.7)	MAP1A (2.5)	MPP3 (2.4)	TRNP1 (1.9)	ATG13 (1.9)
TRNP1 (2.0)	ATP13A1 (2.0)	REEP1 (1.9)	MADD (1.9)	HAPLN4 (1.8)
MAP1A (2.9)	NCAN (2.6)	MADD (2.5)	HAPLN4 (2.5)	MAPK10 (2.3)
MAP1A (2.8)	C1QTNF4 (2.7)	DPYSL5 (2.6)	C11orf49 (2.3)	MADD (2.2)
DNAH10 (2.0)	MAU2 (1.9)	CCDC121 (1.5)	PBX4 (1.5)	ENSG00000256746 (1
SLC30A3 (2.2)	TRNP1 (2.2)	MAPK10 (2.0)	PPIP5K1 (2.0)	MPP2 (1.9)
WDR76 (2.5)	CASC4 (2.4)	FEN1 (2.1)	CTDSPL2 (2.0)	MFAP1 (1.9)
REEP1 (2.8)	C1QTNF4 (2.7)	HAPLN4 (2.4)	NCAN (2.3)	MPP3 (2.3)
SOST (1.7)	SUMO1 (1.6)	C1orf172 (1.4)	FAM167A (1.4)	SFN (1.4)
CCDC121 (1.7)	ENSG00000256746 (1	AFF1 (1.6)	PTPMT1 (1.5)	SUPT7L (1.5)
MAPK10 (3.0)	MPP2 (2.8)	SLC30A3 (2.8)	NCAN (1.9)	MAMSTR (1.7)
MAPK10 (3.0)	MPP2 (2.8)	SLC30A3 (2.8)	NCAN (1.9)	MAMSTR (1.7)
SLC30A3 (2.7)	ENSG00000236827 (2	ENSG00000255020 (2	DNAH10 (2.1)	C8orf12 (2.1)
C1QTNF4 (2.8)	NCAN (2.5)	DPYSL5 (2.3)	MAPK10 (2.1)	C11orf49 (2.0)
LPAL2 (2.1)	REEP1 (1.9)	MRPL33 (1.7)	IZUMO1 (1.6)	MAMSTR (1.5)
LPAL2 (2.1)	REEP1 (1.9)	MRPL33 (1.7)	IZUMO1 (1.6)	MAMSTR (1.5)
ENSG00000236827 (3	TSSK6 (2.5)	LPAR2 (2.4)	IFT172 (2.2)	DPYSL5 (2.1)
C11orf9 (2.2)	C11orf49 (2.1)	AGBL5 (2.1)	SUMO1 (2.0)	FUT2 (1.7)
HAPLN4 (2.0)	ENSG00000235545 (2	C1QTNF4 (1.8)	MAP1A (1.5)	MAPRE3 (1.5)
ENSG00000255020 (2	PPIP5K1 (2.1)	CCDC92 (2.0)	TSSK6 (1.8)	BMPR2 (1.7)
CATSPER2 (1.9)	CHMP3 (1.9)	MADD (1.9)	C1QTNF4 (1.8)	MAP1A (1.8)
CCDC92 (2.9)	MPP2 (2.9)	TRNP1 (2.8)	MAPK10 (2.5)	C1QTNF4 (2.3)
USP1 (2.5)	DNAJC5G (2.1)	FEN1 (2.0)	CASC4 (1.9)	CTDSPL2 (1.8)
UCN (2.1)	IZUMO1 (1.9)	ENSG00000236827 (1	TRNP1 (1.6)	ENSG00000235545 (1
ENSG00000179523 (2	CCDC18 (1.9)	CCDC121 (1.9)	SDCBP (1.8)	SUMO1 (1.8)
ENSG00000182329 (2	DNAH10 (2.1)	RBKS (1.9)	ENSG00000179523 (1	C2orf53 (1.7)
MPP2 (2.9)	MAP1A (2.4)	MPP3 (2.4)	ATG13 (2.1)	TRNP1 (2.0)
SLC30A3 (1.9)	MAMSTR (1.9)	MAP1A (1.8)	PPIP5K1 (1.8)	HAVCR1 (1.6)
ENSG00000256746 (2	C11orf49 (2.0)	ENSG00000235545 (2	ENSG00000236827 (1	PYY (1.6)
USP1 (2.5)	WDR76 (2.5)	CTDSPL2 (2.4)	PAFAH1B2 (2.4)	MFAP1 (2.1)
HAVCR1 (1.9)	FNDC4 (1.6)	PTPMT1 (1.6)	SUPT7L (1.5)	G6PC3 (1.5)
NCAN (1.9)	MPV17 (1.8)	MTMR9 (1.4)	TRNP1 (1.4)	MAP1A (1.4)
SUPT7L (1.9)	PYY (1.8)	DNAJC5G (1.7)	ENSG00000223745 (1	TXNL4B (1.6)
ENSG00000223522 (2	AGBL5 (2.2)	MFAP1 (2.1)	ENSG00000179523 (2	SDCBP (1.9)
MPP2 (3.0)	MAP1A (2.6)	RIC8B (2.1)	MPP3 (2.1)	ATG13 (1.8)
MPP2 (3.0)	MAP1A (2.6)	RIC8B (2.1)	MPP3 (2.1)	ATG13 (1.8)
MPP2 (2.6)	MAP1A (2.4)	TRNP1 (2.2)	MPP3 (2.2)	FUT2 (2.1)
MAP1A (2.3)	MPP2 (2.2)	ENSG00000182329 (2	SLC30A3 (2.1)	MPP3 (2.0)

ZDHHC18 (1.7)	FAM167A (1.4)	TXNL4B (1.4)	ZNF513 (1.4)	AGBL5 (1.4)
MPP2 (2.9)	MAP1A (2.4)	MAPRE3 (2.2)	MAPK10 (1.7)	MADD (1.6)
DNAJC5G (1.7)	CCDC121 (1.7)	C11orf49 (1.6)	PYY (1.6)	TMEM175 (1.5)
ENSG00000235545 (1	C11orf49 (1.4)	CCDC121 (1.4)	DNAJC5G (1.3)	TRNP1 (1.3)
MPP3 (3.1)	MAPK10 (3.0)	MPP2 (3.0)	TRNP1 (2.0)	NCAN (1.8)
HAPLN4 (2.1)	MPP3 (2.0)	SLC30A3 (2.0)	MAPRE3 (2.0)	PYY (1.8)
HAPLN4 (2.1)	MPP3 (2.0)	SLC30A3 (2.0)	MAPRE3 (2.0)	PYY (1.8)
ENSG00000222035 (2	CD300LG (2.2)	ENSG00000223522 (1	C8orf12 (1.7)	MAP1A (1.6)
NCAN (2.3)	MPP3 (2.2)	SLC30A3 (2.2)	MPP2 (2.2)	MAPRE3 (2.0)
HAPLN4 (2.2)	SLC30A3 (2.1)	MPP3 (2.1)	MAPRE3 (2.1)	MPP2 (2.1)
ENSG00000235545 (1	C11orf49 (1.4)	CCDC121 (1.3)	TRNP1 (1.3)	DNAJC5G (1.3)
FNDC4 (1.7)	TSSK6 (1.6)	ENSG00000236267 (1	DNAH10 (1.6)	PTPMT1 (1.5)
MPP2 (2.5)	C1QTNF4 (2.4)	MAPRE3 (2.0)	LRP4 (1.8)	MAPK10 (1.5)
DNAH10 (1.8)	ENSG00000236267 (1	CCDC121 (1.7)	C8orf12 (1.6)	ENSG00000223522 (1
MAMSTR (1.9)	REEP1 (1.9)	MAP1A (1.6)	PPIP5K1 (1.6)	MAPK10 (1.5)
MPP3 (2.6)	MAPK10 (2.6)	HAPLN4 (2.4)	REEP1 (2.1)	MAMSTR (2.1)
PMFBP1 (1.7)	ENSG00000236267 (1	TRNP1 (1.5)	MADD (1.4)	UCN (1.3)
HAPLN4 (2.4)	MAPK10 (2.3)	MPP2 (2.1)	MAMSTR (1.9)	MAPRE3 (1.7)
MPP3 (2.1)	SLC30A3 (2.1)	MAMSTR (1.9)	STRC (1.7)	NCAN (1.6)
MPP3 (2.1)	SLC30A3 (2.1)	MAMSTR (1.9)	STRC (1.7)	NCAN (1.6)
HAPLN4 (2.9)	MPP2 (2.8)	MAPK10 (2.8)	TRNP1 (2.1)	REEP1 (2.1)
SLC30A3 (2.5)	MAPK10 (2.3)	MPP2 (2.2)	REEP1 (2.0)	NCAN (2.0)
SPG11 (1.8)	CCDC121 (1.8)	LPAL2 (1.7)	C11orf9 (1.5)	IFT172 (1.4)
SPG11 (1.8)	CCDC121 (1.8)	LPAL2 (1.7)	C11orf9 (1.5)	IFT172 (1.4)
ENSG00000182329 (2	ENSG00000256746 (2	KRTCAP3 (2.0)	MAP1A (1.8)	NCAN (1.8)

alse-discovery rates (FDR) are obtained

Reconstituted gene set Z score gene 9	Reconstituted gene set Z score gene 10
APOB (2.9)	LPA (2.9)
CYP7A1 (4.0)	LPA (3.7)
GPAM (3.6)	ANGPTL4 (3.5)
F2 (4.0)	GPAM (3.9)
SLC22A1 (3.8)	PLTP (3.7)
MAFF (2.3)	MAPK10 (2.1)
NR0B2 (4.5)	MLXIPL (4.5)
C19orf80 (2.3)	APOA5 (2.3)
APOA5 (2.4)	DHODH (2.4)
TM6SF2 (4.6)	NR0B2 (4.4)
APOE (2.0)	RASIP1 (2.0)
NAGS (5.3)	HGFAC (4.8)
ARFGAP2 (2.4)	F2 (2.4)
TM6SF2 (4.6)	KHK (4.5)
CYP7A1 (3.1)	KHK (3.0)
APOC1 (2.9)	F2 (2.8)
BMPR2 (2.9)	KANK2 (2.8)
C19orf80 (3.1)	ANGPTL3 (3.1)
ANGPTL3 (3.1)	APOC1 (3.1)
NR0B2 (4.7)	MLXIPL (4.6)
ABCA1 (2.9)	APOA5 (2.9)
APOA1 (3.3)	LPL (3.3)
C11orf9 (2.8)	BRE (2.8)
F2 (5.3)	NR0B2 (4.8)
ENSG00000236267 (2	APOC1 (2.6)
APOC1 (3.3)	MLXIPL (3.2)
TM6SF2 (3.1)	ANGPTL4 (2.9)
HP (4.5)	ANGPTL4 (4.3)
GCKR (2.9)	NAT2 (2.8)
CTSB (2.0)	CILP2 (2.0)
PYY (2.1)	HDAC5 (2.1)
APOB (3.4)	APOC4 (3.2)
PGS1 (2.1)	AMBRA1 (2.0)
G6PC3 (2.5)	RBKS (2.4)
G6PC3 (2.5)	RBKS (2.4)
APOB (2.4)	APOA1 (2.4)
APOA4 (4.2)	APOB (4.1)
LIPC (3.6)	F2 (3.4)
LIPC (4.2)	LPAL2 (4.2)
RASIP1 (2.1)	DPYSL5 (2.0)
APOC3 (2.5)	APOA4 (2.4)
APOC3 (3.6)	APOE (3.5)
MLXIPL (3.3)	SLC22A1 (3.2)

APOC4 (2.8)	APOC3 (2.7)
HGFAC (2.5)	ENSG00000254235 (2
COBLL1 (1.9)	RSPO3 (1.8)
TM6SF2 (5.4)	APOC4 (4.8)
APOB (3.6)	TM6SF2 (3.6)
ANGPTL3 (2.7)	CETP (2.5)
NFE2L3 (2.8)	AGBL2 (2.7)
NSMAF (2.0)	GMIP (2.0)
HGFAC (6.3)	APOE (5.7)
HGFAC (6.3)	APOE (5.7)
VEGFA (2.2)	JMJD1C (2.2)
ANGPTL4 (2.9)	C2orf28 (2.7)
CLPTM1 (2.4)	ANGPTL4 (2.4)
CSGALNACT1 (2.3)	SLC22A1 (2.3)
SIDT2 (3.3)	APOC4 (3.2)
APOC1 (3.7)	RBKS (3.7)
SLC22A1 (4.0)	TIMD4 (3.6)
FGF21 (2.5)	HP (2.4)
HP (3.0)	PVRL2 (2.9)
ABCA1 (2.7)	LPL (2.6)
TIMD4 (2.2)	APOC1 (2.2)
ABCA1 (2.0)	RASIP1 (2.0)
HGFAC (2.8)	ENSG00000226645 (2
HGFAC (6.8)	LPA (6.1)
HGFAC (3.5)	ANGPTL3 (3.4)
APOA1 (2.7)	COBLL1 (2.7)
APOB (2.9)	APOC3 (2.8)
APOB (2.9)	APOC3 (2.8)
MADD (2.2)	C19orf80 (2.2)
APOA5 (5.0)	NAGS (4.9)
APOC1 (2.9)	LPL (2.8)
HP (2.5)	VEGFA (2.5)
ANGPTL3 (3.5)	GCKR (3.4)
HP (4.5)	APOA4 (4.2)
TM6SF2 (2.2)	HP (2.2)
APOC4 (4.0)	HGFAC (4.0)
TIMD4 (2.8)	SLC22A3 (2.7)
GCKR (2.4)	ENSG00000254235 (2
NR1H3 (2.2)	LPA (2.2)
DDB2 (2.6)	AFF1 (2.6)
APOA5 (3.1)	APOB (2.7)
HARBI1 (2.3)	CYP7A1 (2.3)
APOA5 (2.0)	FUT2 (2.0)
PTPN13 (2.1)	CITED2 (2.0)
CYP26A1 (2.0)	CILP2 (2.0)
APOC4 (3.2)	GATA4 (2.8)
FADS2 (2.5)	FDFT1 (2.5)
EMILIN1 (2.8)	DOCK6 (2.8)
ANGPTL4 (2.2)	CTDSPL2 (2.1)
APOC3 (4.1)	SLC22A1 (3.9)

KANK2 (2.3)	KLF14 (2.3)
TMED5 (2.7)	ANGPTL4 (2.6)
DOCK6 (2.6)	CITED2 (2.6)
LPL (2.3)	APOC1 (2.2)
APOC3 (3.0)	APOA1 (2.9)
BMPR2 (2.6)	APOC3 (2.6)
APOE (3.7)	APOC1 (3.6)
ZNF335 (1.9)	ABCA1 (1.9)
APOC4 (3.5)	PLTP (3.4)
APOC3 (3.0)	APOA1 (2.9)
DHX38 (2.6)	F2 (2.6)
APOC4 (2.4)	LPAL2 (2.3)
GATA4 (2.3)	C8orf49 (2.2)
F2 (2.5)	FUT2 (2.4)
CETP (1.8)	ENSG00000179523 (1
NAGS (2.7)	PLTP (2.7)
NR0B2 (3.3)	FADS1 (3.0)
HGFAC (5.5)	APOC1 (5.5)
APOE (2.0)	ENSG00000235545 (1
LIPC (3.9)	GCKR (3.6)
NAGS (3.4)	APOC3 (3.3)
APOA1 (5.2)	APOC3 (4.7)
ENSG00000254235 (2	GALNT2 (2.2)
C19orf80 (5.7)	SLC22A1 (5.5)
ARID1A (2.1)	RASIP1 (2.0)
C19orf80 (3.3)	ENSG00000236267 (3
LIPC (2.0)	HGFAC (2.0)
VEGFA (2.6)	BMPR2 (2.2)
APOC1 (3.3)	APOA1 (3.2)
APOC4 (3.3)	NAGS (3.3)
ANGPTL4 (2.2)	CSGALNACT1 (2.1)
GCKR (5.8)	C19orf80 (5.6)
FZD9 (2.3)	BMPR2 (2.2)
ANGPTL4 (2.7)	TMED5 (2.6)
APOA5 (5.1)	LPA (4.5)
APOC4 (4.2)	HGFAC (4.2)
HP (2.7)	C2orf16 (2.6)
LPAR2 (2.5)	SFN (2.4)
ANGPTL4 (2.4)	GCKR (2.2)
FADS1 (3.0)	CYP7A1 (2.9)
PLTP (3.0)	FADS1 (2.9)
LPA (2.2)	ENSG00000254235 (2
ENSG00000222035 (1	DNAH10 (1.9)
APOC4 (4.1)	TAGLN (4.0)
IGF2R (2.0)	APOE (1.9)
APOA5 (3.6)	PLTP (3.5)
CYP7A1 (4.0)	NAGS (3.9)
SLC22A1 (2.9)	NR1H3 (2.8)
APOA5 (3.6)	NR1H3 (3.5)
KHK (4.4)	APOC4 (4.3)

APOE (4.0)	GCKR (4.0)
ENSG00000257711 (2	TRIB1 (2.1)
RFX4 (2.2)	FZD9 (2.2)
ACP2 (2.1)	NRBF2 (2.0)
CYP26A1 (1.8)	DPYSL5 (1.8)
CETP (2.5)	SDCBP (2.4)
GALNT2 (2.4)	PVRL2 (2.3)
GCKR (4.0)	APOC4 (4.0)
TAGLN (4.0)	APOC4 (4.0)
LIPC (3.0)	HP (3.0)
FZD9 (2.5)	TAGLN (2.4)
GPAM (2.3)	TMEM214 (2.2)
HGFAC (3.4)	EMILIN1 (3.1)
APOC4 (5.7)	APOB (5.4)
VEGFA (2.1)	KHK (2.1)
APOC1 (2.6)	ANGPTL4 (2.5)
APOC4 (4.3)	APOA1 (4.1)
APOC4 (4.3)	APOA1 (4.1)
NRBF2 (3.1)	HP (3.1)
NSMAF (2.1)	NAGS (2.0)
NR1H3 (5.1)	LIPC (4.7)
APOA1 (3.4)	APOC1 (3.2)
APOC3 (2.6)	TIMD4 (2.5)
LPA (2.9)	C19orf80 (2.9)
ENSG00000182319 (2	EPB41L3 (2.3)
KANK2 (2.4)	VEGFA (2.2)
NR0B2 (2.4)	MLXIPL (2.1)
ACP2 (1.9)	CETP (1.8)
CELF1 (2.1)	KANK2 (2.1)
FAM167A (1.9)	CMIP (1.9)
APOC3 (2.7)	FUT1 (2.7)
ENSG00000257711 (2	ANGPTL4 (2.2)
SLC5A6 (2.8)	APOC3 (2.7)
APOA5 (2.3)	NAT2 (2.2)
PYY (2.0)	SFN (1.9)
TMED5 (2.2)	ATG13 (2.1)
GATA4 (3.6)	NR0B2 (3.6)
GATA4 (3.6)	NR0B2 (3.6)
SLC22A1 (4.9)	APOA1 (4.9)
ANGPTL4 (1.9)	CETP (1.9)
ANGPTL3 (3.2)	MLXIPL (3.2)
F2 (3.9)	DHODH (3.6)
LPA (2.3)	VEGFA (2.1)
KANK2 (2.2)	CSGALNACT1 (2.1)
NR1H3 (1.9)	PYY (1.9)
APOA1 (3.4)	HGFAC (3.3)
APOA1 (3.4)	HGFAC (3.3)
SLC22A1 (4.6)	APOC3 (4.5)
APOC1 (5.1)	MLXIPL (5.1)
APOA5 (5.1)	LIPC (4.9)

C19orf80 (2.2)	FADS2 (2.2)
APOE (2.4)	APOA1 (2.3)
JMJD1C (2.0)	ENSG00000234945 (2
APOA5 (4.0)	ANGPTL3 (4.0)
MAFF (2.2)	CETP (2.2)
SLC22A1 (2.3)	APOA5 (2.2)
APOB (3.5)	APOC1 (3.4)
UCN (2.4)	STRC (2.3)
ANGPTL4 (2.2)	RIC8B (2.1)
ABHD1 (2.2)	SOST (2.2)
KDM3A (2.3)	GPAM (2.3)
GPAM (4.7)	NAGS (4.7)
NR0B2 (4.2)	ANGPTL3 (4.2)
PLTP (2.4)	APOC4 (2.4)
IGF2R (2.3)	APOC4 (2.3)
HGFAC (4.7)	ANGPTL3 (4.6)
HGFAC (4.7)	ANGPTL3 (4.6)
NR1H3 (2.2)	C2orf53 (2.1)
CSGALNACT1 (2.1)	PLTP (2.0)
SLC22A1 (2.7)	LPA (2.5)
UBXN2B (2.3)	TRIM54 (2.2)
LPAL2 (2.5)	C19orf80 (2.4)
JMJD1C (2.7)	CELF1 (2.6)
APOA4 (3.6)	FDFT1 (3.4)
CYP7A1 (3.0)	SLC22A3 (3.0)
ACP2 (2.3)	TBL2 (2.2)
LPL (4.3)	GPAM (3.9)
GPN1 (2.7)	LPA (2.6)
LIPC (5.0)	NR0B2 (4.6)
LPAL2 (2.5)	CGREF1 (2.5)
ABCA1 (3.4)	MLXIPL (3.2)
APOA4 (2.1)	KRTCAP3 (2.1)
HP (2.6)	APOA4 (2.5)
GCKR (2.8)	NR1H3 (2.7)
PTPRJ (2.1)	CSGALNACT1 (2.0)
ENSG00000182329 (2	DHODH (2.2)
LINC00208 (1.9)	EMILIN1 (1.8)
TAGLN (2.3)	FNDC4 (2.2)
TAGLN (2.3)	FNDC4 (2.2)
PLA2G6 (2.8)	APOA1 (2.8)
PTPRJ (2.2)	CMIP (2.2)
LIPC (5.3)	NR1H3 (5.2)
ANGPTL3 (3.7)	NR0B2 (3.6)
TBL2 (2.5)	PLA2G6 (2.5)
CD300LG (2.5)	C11orf9 (2.4)
HP (2.2)	VEGFA (2.2)
C19orf80 (2.2)	SLC22A3 (2.2)
VEGFA (2.2)	APOC1 (2.1)
HARBI1 (2.2)	ANGPTL3 (2.2)
PPIP5K1 (1.8)	CMIP (1.8)

SLC22A1 (4.0)	NR1H3 (3.7)
APOC1 (2.2)	TRNP1 (2.2)
C19orf80 (2.0)	REEP1 (1.9)
TMED5 (2.0)	ABHD1 (2.0)
BCAM (2.2)	BNC2 (2.1)
TIMD4 (2.4)	GCKR (2.3)
APOC4 (3.9)	APOA5 (3.7)
COBLL1 (2.3)	CYP7A1 (2.3)
CETP (2.2)	RSPO3 (2.1)
MAFF (1.8)	PGS1 (1.8)
NR0B2 (2.3)	TMED5 (2.3)
ACP2 (3.4)	GPAM (3.4)
TMED5 (3.1)	HP (3.1)
APOC4 (4.1)	APOB (4.1)
UCN (2.2)	ENSG00000226645 (2
GCKR (3.5)	TMED5 (3.4)
PGS1 (2.1)	TRIB1 (2.1)
JMJD1C (2.4)	KANK2 (2.3)
NAT2 (2.0)	SLC5A6 (2.0)
HGFAC (3.9)	APOA1 (3.8)
CD300LG (2.0)	AGBL5 (1.9)
APOC4 (5.6)	HP (5.4)
APOC4 (5.6)	HP (5.4)
TIMD4 (2.0)	NRBF2 (2.0)
NFE2L3 (1.9)	CSGALNACT1 (1.9)
PVRL2 (2.3)	CITED2 (2.0)
C19orf80 (1.8)	FNDC4 (1.7)
ANGPTL3 (3.4)	GCKR (3.3)
ANGPTL4 (2.1)	CCDC121 (2.1)
PLA2G6 (2.9)	LPL (2.8)
FNDC4 (2.4)	DOCK6 (2.2)
PLTP (2.4)	MAFF (2.4)
NAGS (2.0)	NR0B2 (2.0)
NAGS (2.0)	NR0B2 (2.0)
ENSG00000257711 (2	CITED2 (2.1)
CSGALNACT1 (2.5)	GMIP (2.4)
PLA2G6 (3.0)	LPL (2.9)
IFT172 (2.3)	SLC22A1 (2.2)
LPL (2.1)	C2orf53 (2.1)
KDM3A (2.2)	KANK2 (2.1)
MTMR9 (2.7)	LPAL2 (2.6)
APOB (4.1)	C19orf80 (4.0)
TRIB1 (2.4)	GMIP (2.2)
SNX17 (2.4)	TOMM40 (2.4)
SUPT7L (2.3)	IFT172 (2.2)
SLC22A1 (2.2)	ENSG00000182319 (2
CYP26A1 (3.9)	APOC4 (3.3)
ENSG00000257711 (2	C19orf80 (2.1)
NR1H3 (2.3)	PMFBP1 (2.2)
PGS1 (2.1)	TMED5 (2.1)

LPA (3.7)	APOA4 (3.7)
MLXIPL (2.3)	ENSG00000234945 (2
APOC3 (5.1)	F2 (5.0)
ENSG00000200241 (1	PTPN13 (1.6)
F2 (2.1)	APOA1 (2.0)
G6PC3 (2.7)	PTPMT1 (2.6)
APOE (3.3)	F2 (3.3)
ANGPTL4 (2.2)	MAFF (2.1)
GCKR (2.3)	CETP (2.3)
GCKR (2.3)	CETP (2.3)
C11orf9 (3.3)	NR0B2 (3.1)
TAGLN (1.8)	CETP (1.8)
NR1H3 (2.7)	ENSG00000257711 (2
ENSG00000256746 (2	TMEM101 (1.9)
TAGLN (2.3)	EMILIN1 (2.3)
PYY (1.9)	ANGPTL4 (1.9)
RSPO3 (1.9)	CBLC (1.9)
PTPMT1 (2.7)	G6PC3 (2.4)
PTPRJ (3.0)	ZNF513 (2.9)
ENSG00000182319 (2	ABO (2.3)
ANGPTL3 (4.5)	GCKR (4.5)
RIC8B (2.5)	GPN2 (2.4)
ARID1A (2.9)	PVRL2 (2.7)
LPA (2.2)	HAPLN4 (2.2)
MPV17 (1.8)	MAPK10 (1.7)
AGBL2 (2.7)	APOA5 (2.7)
ENSG00000234945 (1	BCL7B (1.6)
CITED2 (2.2)	C19orf80 (2.1)
PLTP (1.9)	CETP (1.9)
APOC4 (4.1)	LPA (4.1)
TXNL4B (2.0)	GCKR (2.0)
CETP (2.1)	IFT172 (2.1)
ANGPTL3 (4.4)	GCKR (4.4)
LPL (1.8)	PPY (1.7)
ENSG00000254235 (2	HAPLN4 (2.2)
GPAM (1.9)	LPA (1.7)
CTSB (2.8)	TECTB (2.6)
PLA2G6 (3.3)	LPL (2.9)
CSGALNACT1 (2.1)	ANGPTL4 (2.1)
TM6SF2 (2.5)	GPAM (2.5)
NR1H3 (3.2)	F2 (3.0)
TM6SF2 (2.4)	PLA2G6 (2.4)
APOC4 (4.1)	APOC1 (4.1)
HP (4.7)	APOA1 (4.7)
ENSG00000256746 (1	RBKS (1.6)
SLC22A1 (3.4)	ENSG00000234945 (3
ANGPTL4 (2.2)	MAFF (2.1)
GMIP (1.9)	MPV17 (1.8)
APOA5 (3.9)	ANGPTL3 (3.7)
ANGPTL3 (4.6)	APOA4 (4.5)

ANGPTL3 (4.6)	APOA4 (4.5)
ENSG00000256746 (1	HDAC5 (1.6)
TM6SF2 (4.9)	APOA5 (4.7)
APOE (2.2)	CETP (2.1)
FZD9 (1.9)	BCAM (1.8)
APOC3 (4.3)	C19orf80 (4.2)
GTF3C2 (2.5)	ARID1A (2.4)
GCKR (4.5)	HGFAC (4.4)
GCKR (3.0)	KHK (3.0)
FADS2 (4.3)	APOA5 (4.0)
COBLL1 (2.0)	CITED2 (2.0)
APOC4 (3.9)	APOC1 (3.9)
RSPO3 (2.1)	PLTP (2.1)
ENSG00000179523 (1	TIMD4 (1.8)
FGF21 (2.0)	TRIB1 (2.0)
APOC3 (4.3)	APOC4 (4.2)
ZNF408 (2.5)	GTF3C2 (2.1)
BNC2 (2.4)	ZNF664 (2.3)
HP (1.9)	PIGV (1.9)
C19orf80 (2.9)	ZNF408 (2.7)
C19orf80 (3.9)	ABO (3.9)
MAFF (2.0)	AFF1 (2.0)
HP (3.7)	APOC1 (3.6)
MAPK10 (2.7)	TIMD4 (2.4)
APOC4 (5.3)	C19orf80 (4.9)
RBKS (2.7)	VEGFA (2.7)
REEP1 (2.0)	DNAH10 (1.9)
ANGPTL4 (2.3)	C19orf80 (2.1)
C19orf80 (2.0)	DPYSL5 (2.0)
APOE (4.7)	TIMD4 (4.3)
APOC4 (2.7)	HP (2.7)
HP (5.0)	APOA4 (4.9)
SOST (2.3)	PTPN13 (2.3)
CCDC92 (2.2)	REEP1 (2.1)
NAT2 (4.3)	TM6SF2 (4.2)
APOC3 (4.1)	C19orf80 (3.9)
CYP26A1 (4.6)	GCKR (4.6)
TRIB1 (2.1)	SDC1 (2.1)
FADS2 (1.7)	F2 (1.7)
MLXIPL (3.1)	DHODH (3.0)
ANGPTL4 (2.8)	APOC4 (2.8)
PLTP (2.3)	KDM3A (2.2)
APOC4 (4.2)	LPAL2 (3.8)
NR1H3 (2.3)	TRIB1 (2.2)
APOA5 (4.4)	HGFAC (4.3)
TIMD4 (4.6)	ABCA1 (4.2)
APOC3 (4.3)	C19orf80 (4.2)
KLF14 (1.7)	CYP26A1 (1.7)
AMBRA1 (2.2)	NRBP1 (2.2)
HP (3.7)	APOC1 (3.5)

GMIP (1.7)	PLTP (1.7)
VEGFA (2.4)	SIDT2 (2.2)
CATSPER2 (2.9)	C2orf28 (2.6)
ZNF335 (2.1)	GPN2 (2.1)
AFF1 (2.3)	CD300LG (2.2)
BCAM (2.3)	LPA (2.3)
GPAM (2.7)	COBLL1 (2.7)
DOCK6 (2.3)	HDAC5 (2.2)
SLC22A1 (2.8)	CETP (2.4)
C19orf80 (2.5)	DR1 (2.3)
CYP7A1 (2.5)	ENSG00000256731 (2
GCKR (2.6)	TMEM214 (2.4)
DNAJC5G (2.1)	RIC8B (2.1)
APOC4 (3.7)	HP (3.7)
HP (2.6)	ACP2 (2.5)
APOB (4.4)	HGFAC (4.1)
APOA5 (3.5)	CYP7A1 (3.3)
F2 (5.5)	LIPC (5.2)
PVRL2 (2.3)	CITED2 (2.2)
ABCA1 (1.9)	PLTP (1.8)
C8orf49 (1.8)	C19orf80 (1.8)
C2orf28 (2.9)	HP (2.5)
APOC1 (2.4)	NR1H3 (2.3)
GCKR (4.4)	APOE (3.9)
PCSK7 (2.2)	TDH (2.2)
NR0B2 (4.4)	APOC4 (4.1)
ANGPTL3 (4.2)	LPAL2 (3.8)
ENSG00000226645 (2	RFX4 (2.0)
PVRL2 (2.4)	GALNT2 (2.4)
HP (3.7)	C19orf80 (3.5)
APOA5 (2.8)	APOC1 (2.8)
PTPRJ (1.7)	REEP3 (1.7)
ABO (2.1)	IZUMO1 (2.0)
ABCA1 (2.1)	TIMD4 (2.0)
DNAH10 (2.0)	F2 (2.0)
LIPC (2.8)	GCKR (2.6)
SDCBP (2.0)	APOE (1.9)
CITED2 (2.0)	ARHGAP1 (1.9)
IGF2R (2.1)	CMIP (2.1)
APOC1 (3.7)	ANGPTL3 (3.6)
ENSG00000179523 (2	GATA4 (2.0)
CMIP (2.6)	CITED2 (2.5)
BAZ1B (2.4)	GMIP (2.3)
CSGALNACT1 (2.3)	LPL (2.2)
WDR76 (2.0)	APOA5 (2.0)
TM6SF2 (3.0)	RIC8B (2.9)
UCN (2.9)	APOB (2.8)
HP (3.1)	HGFAC (3.1)
SLC22A1 (2.4)	FAM167A (2.4)
PTPRJ (2.4)	LPL (2.3)

CATSPER2 (3.0)	ANGPTL3 (3.0)
EMILIN1 (2.0)	AFF1 (2.0)
TIMD4 (3.4)	APOA1 (3.3)
TIMD4 (3.4)	APOA1 (3.3)
TIMD4 (3.4)	APOA1 (3.3)
MADD (2.5)	RASIP1 (2.5)
SFN (2.2)	IGF2R (2.1)
PBX4 (1.9)	SLC22A3 (1.9)
ENSG00000253379 (2	FZD9 (1.9)
C1orf172 (1.9)	ANGPTL4 (1.9)
APOA5 (5.1)	LPAL2 (4.6)
FAM167A (2.3)	SLC30A3 (2.3)
GCKR (3.9)	MTCH2 (3.3)
RBKS (2.7)	MLXIPL (2.6)
SIDT2 (2.3)	LPL (2.2)
LPA (1.9)	CYP7A1 (1.8)
MLXIPL (2.5)	GPAM (2.5)
PGS1 (2.6)	PACSIN3 (2.5)
F2 (2.5)	GCKR (2.5)
APOA5 (3.7)	LPL (3.5)
ANGPTL3 (4.7)	APOC4 (4.5)
COBLL1 (1.9)	ENSG00000179523 (1
FDFT1 (3.0)	CD300LG (3.0)
TBL2 (2.3)	PYY (2.3)
APOC4 (4.5)	C19orf80 (4.4)
DUSP3 (2.2)	ENSG00000200241 (2
RSPO3 (2.4)	MAPRE3 (2.3)
APOB (2.1)	TRNP1 (2.0)
ANGPTL3 (4.3)	HGFAC (4.2)
NR0B2 (2.3)	PPIP5K1 (2.3)
LIPC (4.5)	ABCA1 (4.3)
APOA1 (5.2)	HGFAC (4.3)
APOC3 (4.1)	GCKR (4.0)
PVRL2 (2.0)	IGF2R (1.9)
C19orf80 (2.4)	FRMD5 (2.2)
CCDC92 (2.4)	APOC1 (2.3)
PTPRJ (2.0)	BCAM (2.0)
APOA4 (4.2)	APOC4 (4.1)
BNC2 (2.2)	ABO (2.0)
MAFF (2.7)	NAGS (2.7)
KANK2 (2.1)	CYP26A1 (2.1)
APOC3 (4.3)	APOC4 (3.9)
TM6SF2 (3.2)	APOA4 (3.1)
CITED2 (2.3)	CTSB (2.3)
STRC (2.5)	RBKS (2.4)
HP (4.4)	APOC4 (4.3)
IMMT (2.6)	HGFAC (2.5)
MPP3 (2.0)	ARHGAP1 (1.9)
HP (2.2)	LPL (2.2)
LRP4 (1.9)	PTPN13 (1.9)

HDAC5 (1.8)	LINC00208 (1.7)
FADS1 (2.9)	ENSG00000236267 (2
TAGLN (1.8)	APOC4 (1.8)
TIMD4 (4.5)	ABCA1 (4.3)
CCDC121 (1.9)	PGS1 (1.8)
TRIB1 (2.3)	AGBL5 (2.3)
ARID1A (2.1)	APOE (2.1)
SLC22A1 (3.7)	TM6SF2 (3.5)
KHK (2.5)	C19orf80 (2.5)
GPN1 (2.7)	CKAP5 (2.6)
MTMR9 (2.7)	CTDSPL2 (2.6)
NFE2L3 (2.2)	MLXIPL (2.1)
RSPO3 (1.9)	RASIP1 (1.9)
LINC00208 (2.2)	VEGFA (2.2)
LRP4 (2.4)	PTPRJ (2.1)
APOC3 (2.3)	LIPC (2.2)
PACSIN3 (2.9)	ARHGAP1 (2.9)
LPA (2.8)	LIPC (2.6)
MAMSTR (2.1)	IZUMO1 (2.0)
ABHD1 (2.3)	RBKS (2.2)
MAPRE3 (1.6)	AGBL5 (1.6)
LIPC (4.6)	NR1H3 (4.4)
APOA1 (2.4)	SDC1 (2.3)
CD300LG (2.2)	BNC2 (2.2)
HP (3.7)	C19orf80 (3.4)
BCL3 (2.2)	PPIP5K1 (2.2)
ANGPTL3 (3.0)	CYP7A1 (2.9)
ENSG00000235545 (1	NRBF2 (1.7)
APOB (2.5)	APOA1 (2.3)
APOA1 (2.6)	F2 (2.5)
APOC4 (4.2)	APOC1 (4.0)
GATA4 (2.7)	NAGS (2.4)
JMJD1C (2.5)	ENSG00000226645 (2
CATSPER2 (2.3)	EIF2B4 (2.3)
CTSB (2.4)	C2orf53 (2.4)
PTPMT1 (2.2)	NR1H3 (2.2)
C2orf28 (2.6)	CLPTM1 (2.4)
TAGLN (2.4)	ACP2 (2.3)
PLTP (2.2)	RASIP1 (2.2)
IMMT (2.5)	APOA5 (2.5)
C2orf53 (2.0)	TDH (2.0)
REEP3 (2.2)	APOC1 (2.2)
MLXIPL (2.6)	ACP2 (2.5)
COBLL1 (2.3)	TRIB1 (2.2)
FGF21 (2.4)	LPL (2.4)
PLTP (3.4)	ANGPTL3 (3.3)
APOC4 (4.1)	APOA4 (4.1)
PLTP (2.2)	PTPRJ (2.2)
EPB41L3 (2.2)	APOA4 (2.1)
HP (5.3)	C19orf80 (5.1)

TMED5 (2.4)	ANGPTL4 (2.4)
ENSG00000236267 (3	ABCA1 (3.0)
ARID1A (1.6)	TIMD4 (1.6)
ANGPTL4 (2.1)	ENSG00000223745 (2
CYP7A1 (2.7)	KHK (2.7)
CYP7A1 (2.7)	KHK (2.7)
COBLL1 (2.0)	CETP (2.0)
APOC4 (4.1)	APOA4 (4.0)
APOC4 (4.1)	APOA4 (4.0)
RIC8B (1.8)	PACSIN3 (1.8)
LPL (1.8)	VEGFA (1.8)
HP (4.4)	APOC4 (4.2)
AGBL2 (2.4)	PGS1 (2.2)
CILP2 (2.0)	NFE2L3 (2.0)
PPIP5K1 (2.7)	APOA5 (2.7)
LIPC (4.7)	F2 (4.5)
BCL3 (2.3)	NSMAF (2.3)
APOB (2.6)	TMEM214 (2.6)
CILP2 (2.0)	ENSG00000256731 (1
APOC1 (4.6)	ABCA1 (4.2)
REEP3 (2.2)	FUT2 (2.0)
GPAM (2.1)	C2orf53 (2.1)
GPAM (2.1)	C2orf53 (2.1)
TM6SF2 (1.7)	NAGS (1.7)
DHODH (2.3)	APOA5 (2.3)
APOC1 (2.3)	NAT2 (2.2)
CD300LG (2.6)	SLC5A6 (2.5)
APOA4 (4.1)	APOC4 (4.1)
CETP (2.5)	KLF14 (2.0)
CETP (2.5)	KLF14 (2.0)
HGFAC (2.5)	HP (2.4)
FDFT1 (2.7)	RBKS (2.6)
LPL (2.3)	PLTP (2.1)
APOC1 (4.3)	APOC4 (4.2)
APOA5 (2.8)	GCKR (2.7)
PACSIN3 (2.6)	PVRL2 (2.5)
APOC4 (4.1)	APOC1 (4.1)
TM6SF2 (2.9)	APOB (2.6)
TM6SF2 (2.9)	APOB (2.6)
TM6SF2 (2.9)	APOB (2.6)
APOC3 (3.3)	ABCA1 (3.3)
APOC3 (3.3)	ABCA1 (3.3)
HGFAC (5.0)	ANGPTL3 (4.7)
SLC22A3 (2.1)	LPAR2 (2.0)
FRMD5 (2.0)	PPY (2.0)
ENSG00000255020 (2	ENSG00000234945 (2
GPAM (2.5)	MLXIPL (2.4)
APOC1 (4.5)	ABCA1 (4.4)
C19orf80 (3.5)	APOC1 (3.5)
APOC4 (4.4)	APOA5 (4.1)

ENSG00000257711 (1	BMPR2 (1.8)
HGFAC (2.1)	LPL (2.1)
ENSG00000253379 (1	HDAC5 (1.7)
SLC22A3 (2.2)	SLC5A6 (2.2)
SLC5A6 (2.5)	LPA (2.2)
NAT2 (2.3)	ANGPTL4 (2.3)
CTSB (2.1)	SDC1 (2.1)
EPB41L3 (2.5)	NR0B2 (2.5)
NR1H3 (1.9)	CITED2 (1.9)
ZNF335 (1.9)	TUBGCP4 (1.9)
HAVCR1 (2.3)	GALNT2 (2.2)
NR1H3 (1.8)	DOCK6 (1.8)
DHODH (2.0)	CTSB (1.9)
APOA4 (2.9)	GCKR (2.6)
GPAM (2.1)	COBLL1 (2.1)
HP (3.9)	HGFAC (3.5)
ENSG00000182319 (2	FZD9 (2.1)
LRP4 (1.6)	BCAM (1.6)
FZD9 (2.2)	PLTP (2.2)
ANGPTL4 (2.2)	TM6SF2 (2.1)
EMILIN1 (2.3)	C19orf80 (2.2)
HP (3.9)	APOC1 (3.8)
HP (3.9)	C19orf80 (3.8)
APOA5 (2.2)	APOC4 (2.1)
LPA (2.6)	CETP (2.4)
TM6SF2 (2.5)	NR0B2 (2.5)
HGFAC (4.3)	TM6SF2 (4.2)
STRC (2.0)	ABHD1 (2.0)
GCKR (3.3)	LPA (3.3)
HGFAC (2.2)	APOB (2.0)
ANGPTL4 (2.1)	RSPO3 (2.0)
HP (4.4)	CETP (4.2)
APOC3 (2.6)	KANK2 (2.5)
BLK (2.3)	RSPO3 (2.3)
PYY (2.0)	EMILIN1 (1.8)
RFX4 (1.9)	UBXN2B (1.8)
TRIM54 (2.2)	PVRL2 (2.2)
APOA4 (4.1)	APOC4 (4.0)
GCKR (2.5)	ABHD1 (2.5)
MPV17 (2.1)	LPAL2 (2.1)
APOC1 (4.6)	HGFAC (4.6)
DHX38 (2.7)	PTCD3 (2.7)
HGFAC (4.8)	C19orf80 (4.4)
APOC3 (5.2)	APOB (4.7)
NR0B2 (2.2)	C19orf80 (2.2)
CTDSPL2 (1.9)	RSPO3 (1.8)
TOMM40 (2.8)	GTF3C2 (2.7)
SUGP1 (1.9)	GPN2 (1.9)
HAVCR1 (1.8)	PMFBP1 (1.8)
MAPK10 (2.7)	HAPLN4 (2.6)

ATG4C (2.3)	CCDC121 (2.3)
CETP (2.1)	ATP13A1 (2.1)
NAT2 (4.8)	GCKR (4.6)
TIMD4 (2.0)	AMBRA1 (2.0)
ANGPTL3 (1.5)	PPIP5K1 (1.4)
F2 (3.3)	FGF21 (3.0)
FAM167A (1.7)	AMBRA1 (1.7)
DOCK6 (2.1)	NR1H3 (2.0)
RASIP1 (1.9)	ENSG00000257711 (1
APOC3 (5.2)	LPAL2 (5.1)
MYBPC3 (2.6)	BCAM (2.4)
CASC4 (2.0)	KANK2 (1.9)
SIK3 (2.0)	LPA (2.0)
NAT2 (2.8)	CYP7A1 (2.6)
MAFF (2.0)	ATP13A1 (2.0)
NR0B2 (2.0)	RSPO3 (1.9)
UCN (2.2)	SDCBP (2.2)
APOA4 (2.4)	ATP13A1 (2.3)
NAGS (2.1)	NR1H3 (2.0)
GCKR (3.2)	NAGS (3.2)
C19orf80 (4.5)	GCKR (4.3)
GCKR (4.2)	APOC1 (4.2)
DOCK7 (2.1)	PVRL2 (2.0)
APOB (2.6)	APOA4 (2.4)
LPA (2.9)	C19orf80 (2.9)
ANGPTL4 (2.1)	DNAH10 (2.0)
FDFT1 (2.1)	KLF14 (2.0)
PACSIN3 (2.1)	NFE2L3 (2.1)
ANGPTL4 (2.1)	CSGALNACT1 (1.9)
GPAM (2.1)	SLC5A6 (2.1)
CILP2 (2.2)	CYP7A1 (2.1)
HAVCR1 (3.7)	APOA5 (3.3)
RBKS (2.5)	LPL (2.4)
BCAM (2.5)	TAGLN (2.4)
FDFT1 (2.6)	MRPL33 (2.6)
C2orf16 (1.8)	ANGPTL4 (1.8)
VEGFA (2.7)	APOE (2.7)
PGS1 (2.5)	TRIB1 (2.5)
BCAM (1.6)	BNC2 (1.6)
CD300LG (2.3)	VEGFA (2.3)
APOC1 (4.5)	NR1H3 (4.3)
MFAP1 (2.1)	BUD13 (1.9)
C2orf28 (2.2)	TMEM214 (2.1)
KANK2 (2.3)	EPB41L3 (2.3)
TIMD4 (2.1)	ENSG00000256731 (2
TUBGCP4 (2.0)	TIMD4 (1.9)
DDB2 (1.9)	ENSG00000222035 (1
TSSK6 (1.8)	ENSG00000254235 (1
FAM167A (2.2)	PLTP (2.2)
FAM167A (2.2)	PLTP (2.2)

FAM167A (2.2)	PLTP (2.2)
FAM167A (2.2)	PLTP (2.2)
FAM167A (2.2)	PLTP (2.2)
FAM167A (2.2)	PLTP (2.2)
TMED5 (2.6)	PLA2G6 (2.5)
HDAC5 (2.2)	LPA (2.1)
TM6SF2 (4.1)	ANGPTL3 (4.0)
CD300LG (2.1)	TECTB (1.9)
BCL3 (2.2)	PTPRJ (2.2)
LPAL2 (3.4)	PLTP (3.4)
CTDSPL2 (2.4)	BMPR2 (2.3)
RIC8B (2.0)	DUSP3 (1.9)
HGFAC (4.2)	APOC3 (4.2)
JMJD1C (2.0)	CELF1 (2.0)
ANGPTL3 (3.8)	FNDC4 (3.8)
ANGPTL3 (3.9)	LIPC (3.8)
PLA2G6 (2.9)	APOA4 (2.9)
BMPR2 (2.1)	TP53BP1 (2.0)
APOC4 (4.1)	C19orf80 (4.1)
GALNT2 (2.0)	TIMD4 (1.8)
ENSG00000236267 (2	SOST (2.3)
CYP7A1 (2.8)	RBKS (2.6)
ENSG00000234945 (2	NR1H3 (2.0)
CTSB (2.2)	CD300LG (2.1)
APOA5 (3.9)	APOC1 (3.9)
FZD9 (2.5)	DOCK6 (2.5)
SDC1 (2.8)	ARHGAP1 (2.8)
CYP7A1 (2.9)	LIPC (2.9)
SLC22A3 (1.9)	GMIP (1.8)
PCIF1 (2.0)	KLF14 (2.0)
C19orf80 (3.0)	MLXIPL (2.8)
APOA5 (2.7)	SLC22A1 (2.7)
APOA5 (2.7)	SLC22A1 (2.7)
NR0B2 (2.9)	NAGS (2.8)
BCL3 (2.3)	ABHD1 (2.3)
PYY (1.9)	APOA1 (1.9)
KANK2 (2.5)	ENSG00000182319 (2
PTPRJ (1.7)	LRP4 (1.7)
PBX4 (2.5)	CD300LG (2.4)
ENSG00000236827 (2	TXNL4B (2.3)
CETP (1.9)	PGS1 (1.7)
POLR1A (1.9)	DR1 (1.8)
HP (2.7)	CMIP (2.7)
TMED5 (2.5)	SLC22A1 (2.3)
SUPT7L (2.3)	FAM167A (2.2)
APOA1 (3.6)	ANGPTL3 (3.6)
LIPC (2.9)	ANGPTL3 (2.8)
ANGPTL4 (2.1)	RSPO3 (2.1)
APOA5 (3.3)	MAPK10 (2.8)
APOA1 (2.5)	RIC8B (2.5)

DNAJC5G (2.0)	LIPC (2.0)
BLK (2.6)	CTSB (2.3)
ARHGAP1 (2.2)	GMIP (2.1)
CITED2 (1.8)	RSPO3 (1.8)
CETP (2.2)	C2orf53 (2.1)
AGBL2 (2.0)	RSPO3 (1.7)
SLC22A3 (2.2)	PDIA3 (1.9)
GMIP (1.9)	GTF3C2 (1.9)
CCDC18 (2.4)	MAU2 (2.3)
SIDT2 (2.4)	PIGV (2.3)
C11orf9 (2.0)	GTF3C2 (1.9)
FUT1 (2.6)	TAGLN (2.3)
MLXIPL (2.0)	ARID1A (2.0)
ENSG00000256731 (2	PPY (2.7)
LRP4 (2.0)	REEP3 (1.8)
APOC3 (2.1)	VEGFA (2.0)
PVRL2 (2.8)	CBLC (2.4)
FGF21 (2.6)	GCKR (2.5)
BMPR2 (2.5)	PTPRJ (2.4)
KLF14 (2.5)	LIPC (2.5)
GCKR (3.1)	PTPRJ (3.0)
C2orf53 (2.1)	ZDHHC18 (2.1)
GMIP (2.4)	LRP4 (2.4)
COBLL1 (2.2)	TRIM54 (2.0)
CETP (2.5)	NR1H3 (2.4)
ENSG00000235545 (2	APOA5 (2.5)
BRE (2.8)	FRMD5 (2.7)
APOC3 (3.6)	APOB (3.5)
MAFF (1.8)	FEN1 (1.7)
PAFAH1B2 (2.2)	SIK3 (2.0)
PDIA3 (2.3)	APOC1 (2.2)
TDH (2.1)	ACP2 (2.0)
APOA5 (3.0)	APOC4 (2.8)
BCAM (1.6)	MPP3 (1.6)
NCAN (2.3)	SIK3 (2.2)
REEP3 (2.5)	FUT1 (2.3)
ENSG00000235545 (2	CITED2 (2.1)
NFE2L3 (2.0)	CLPTM1 (2.0)
FADS2 (1.7)	TDH (1.6)
SLC22A1 (2.1)	COBLL1 (2.1)
FGF21 (2.4)	SIK3 (2.4)
LPL (1.9)	ENSG00000256746 (1
FADS2 (1.8)	ABCA1 (1.8)
RFX4 (1.9)	GALNT2 (1.8)
APOC4 (4.2)	APOA5 (4.1)
SLC22A3 (1.9)	CCDC92 (1.9)
TP53BP1 (1.9)	BRE (1.9)
C19orf80 (3.7)	APOC1 (3.3)
CELF1 (1.8)	JMJD1C (1.7)
CYP7A1 (4.2)	HGFAC (4.2)

LIPC (2.4)	ANGPTL3 (2.3)
AGBL5 (1.8)	DHX38 (1.7)
APOC1 (2.7)	APOA4 (2.7)
BCAM (2.1)	DOCK6 (2.0)
PVRL2 (1.9)	CLPTM1 (1.8)
CTSB (1.7)	LPAR2 (1.6)
PCSK7 (2.0)	CYP26A1 (1.9)
C2orf28 (2.7)	ABCA1 (2.5)
EIF3J (2.0)	COBLL1 (1.9)
BCAM (2.2)	GMIP (2.2)
ANGPTL3 (3.0)	C19orf80 (3.0)
CASC4 (2.3)	NSMAF (2.3)
HP (4.8)	NAGS (4.6)
GATA4 (2.1)	NAT2 (2.1)
SOST (2.2)	C1QTNF4 (2.1)
ATP13A1 (2.8)	GALNT2 (2.8)
ANGPTL3 (2.2)	KHK (2.2)
CSGALNACT1 (2.3)	PVRL2 (1.8)
NAT2 (3.2)	TM6SF2 (3.2)
NAT2 (3.2)	TM6SF2 (3.2)
SIDT2 (2.1)	CYP26A1 (2.1)
JMJD1C (1.9)	RFX4 (1.9)
TP53BP1 (2.2)	DPYSL5 (2.1)
TRIM54 (2.3)	ARID1A (2.2)
LSM12 (1.5)	CYP26A1 (1.5)
DUSP3 (2.4)	PTPN13 (2.3)
ENSG00000257711 (1	GALNT2 (1.9)
PREB (2.0)	ENSG00000182329 (1
ENSG00000254235 (2	NRBF2 (2.0)
C19orf80 (2.1)	ENSG00000234945 (2
FUT1 (2.1)	CCDC121 (2.0)
UCN (1.6)	GMIP (1.6)
HP (2.8)	ANGPTL4 (2.8)
JMJD1C (2.2)	DOCK7 (2.1)
IZUMO1 (1.6)	NR0B2 (1.5)
HP (2.8)	ANGPTL4 (2.6)
APOC1 (1.8)	CASC4 (1.7)
NRBF2 (2.4)	DNAH10 (2.3)
TMED5 (2.5)	ABCA1 (2.4)
APOA5 (3.7)	GATA4 (3.2)
KHK (2.1)	ENSG00000257711 (2
DR1 (2.1)	TP53BP1 (2.0)
HGFAC (2.6)	SLC22A1 (2.3)
GALNT2 (2.3)	GATAD2A (2.1)
PTPN13 (2.4)	PACSIN3 (2.4)
CGREF1 (2.0)	CASC4 (2.0)
LSM12 (1.8)	FUT2 (1.8)
EMILIN1 (2.8)	LPL (2.3)
TIMD4 (2.0)	CTSB (2.0)
ATG4C (2.0)	SLC22A3 (1.8)

C19orf80 (3.8)	HP (3.4)
HDAC5 (2.3)	VEGFA (2.2)
KHK (2.0)	PTPRJ (1.7)
NAT2 (2.0)	DNAJC5G (2.0)
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
GMIP (2.1)	ENSG00000236267 (2
TMEM101 (2.9)	TMEM214 (2.8)
HP (3.2)	APOC4 (3.2)
HP (3.6)	APOC1 (3.3)
APOA5 (3.4)	APOC3 (3.3)
CTSB (1.8)	CD300LG (1.8)
F2 (1.8)	HGFAC (1.7)
NR0B2 (2.4)	GCKR (2.3)
MAU2 (1.9)	SOST (1.9)
MAFF (1.7)	PLTP (1.6)
TMED5 (2.2)	COBLL1 (2.2)
EMILIN1 (2.1)	LRP4 (2.1)
TM6SF2 (3.7)	C19orf80 (3.6)
TM6SF2 (3.7)	C19orf80 (3.6)
BLK (1.9)	MLXIPL (1.9)
TECTB (2.2)	APOC3 (2.2)
VEGFA (2.1)	UCN (2.1)
EMILIN1 (2.0)	TIMD4 (2.0)
CILP2 (1.8)	PCSK7 (1.8)
MLXIPL (2.1)	TIMD4 (2.1)
VEGFA (2.0)	CILP2 (1.9)
KRTCAP3 (1.9)	ABCA1 (1.9)
GMIP (2.3)	ZNF513 (2.2)
APOA5 (4.6)	GCKR (4.2)
GCKR (2.7)	C19orf80 (2.5)
ACP2 (1.9)	EPB41L3 (1.9)
FUT2 (1.9)	SLC22A3 (1.8)
APOB (3.4)	TECTB (2.5)
MPP3 (2.2)	EPB41L3 (2.2)
MPP3 (2.2)	EPB41L3 (2.2)
ATG4C (2.0)	ENSG00000255020 (1
GALNT2 (2.0)	FADS1 (1.9)
BNC2 (1.8)	LPAR2 (1.7)
NR0B2 (2.3)	GATA4 (2.3)
BCAM (2.4)	CSGALNACT1 (2.3)
APOE (2.3)	APOC3 (2.3)
BNC2 (1.9)	PTPN13 (1.9)
NRBP1 (2.9)	IMMT (2.7)

HP (3.6)	APOA5 (3.3)
APOA5 (3.6)	C19orf80 (3.2)
APOE (2.9)	PLTP (2.9)
APOA5 (4.4)	HGFAC (4.3)
ACP2 (2.4)	FGF21 (2.2)
NAT2 (2.9)	ABHD1 (2.9)
NAT2 (2.9)	ABHD1 (2.9)
LPAL2 (1.8)	ZNF335 (1.7)
CYP7A1 (2.4)	C19orf80 (2.1)
COBLL1 (2.3)	APOC4 (2.2)
ZDHHC18 (2.2)	BLK (2.1)
APOC3 (4.0)	HP (3.9)
GALNT2 (3.0)	APOA4 (2.9)
HGFAC (3.3)	APOA5 (3.2)
ARHGAP1 (1.8)	VEGFA (1.7)
ANGPTL3 (2.3)	HP (2.2)
BCAM (2.0)	SLC22A3 (2.0)
ZNF513 (2.0)	MAMSTR (2.0)
GALNT2 (2.3)	ENSG00000236267 (2
NR0B2 (3.0)	C19orf80 (2.8)
CETP (2.1)	CTSB (2.1)
C1QTNF4 (1.9)	ZNF513 (1.9)
CYP7A1 (4.6)	LIPC (4.2)
TIMD4 (2.1)	GMIP (2.1)
APOA1 (3.2)	C17orf105 (3.2)
BAZ1B (2.1)	LSM12 (1.9)
BRE (2.2)	SDCBP (2.0)
CYP26A1 (2.4)	FAM167A (2.3)
HP (4.2)	GCKR (4.1)
GALNT2 (2.0)	PTPRJ (2.0)
ENSG00000182319 (2	IGF2R (2.6)
BMPR2 (2.3)	CSGALNACT1 (2.2)
CETP (2.3)	GMIP (2.2)
GCKR (2.5)	ABHD1 (2.5)
F2 (2.0)	BCAM (2.0)
FGF21 (2.6)	MLXIPL (2.6)
BCAM (2.2)	REEP3 (2.1)
CETP (2.1)	RIC8B (1.9)
C19orf80 (2.4)	LPAL2 (2.3)
APOC4 (4.5)	APOC1 (4.3)
PAFAH1B2 (2.4)	SLC5A6 (2.3)
HP (1.9)	F2 (1.7)
APOA4 (4.0)	APOC4 (4.0)
KHK (1.9)	GCKR (1.8)
ZNF513 (2.1)	TRIB1 (2.1)
TDH (2.2)	BRE (1.9)
ENSG00000253379 (2	PLTP (2.0)
ANGPTL4 (2.1)	RSPO3 (2.0)
DOCK7 (1.9)	C11orf9 (1.9)
LPAR2 (2.4)	DNAH10 (2.3)

CETP (2.2)	ANGPTL3 (1.9)
LRP4 (2.2)	FNDC4 (2.2)
MPP2 (1.7)	SIK3 (1.6)
TOMM40 (2.4)	GPAM (2.0)
DHODH (2.2)	FADS2 (2.0)
ZNF335 (2.6)	ENSG00000200241 (2
BAZ1B (2.7)	ZNF335 (2.7)
CETP (2.2)	CTSB (2.0)
NR0B2 (3.5)	GATA4 (3.1)
NR1H3 (2.2)	CETP (2.1)
CTSB (2.0)	PTPN13 (2.0)
PVRL2 (1.6)	JMJD1C (1.6)
NAT2 (4.7)	HP (4.1)
ACP2 (2.3)	GCKR (2.3)
PYY (2.7)	SLC22A1 (2.6)
SIDT2 (1.8)	FAM167A (1.7)
FADS1 (2.5)	FADS2 (2.5)
C17orf105 (1.7)	ENSG00000235545 (1
TAGLN (2.0)	CBLC (2.0)
ANGPTL4 (1.9)	TBL2 (1.8)
TM6SF2 (2.3)	APOA5 (2.2)
ANGPTL3 (2.4)	APOC3 (2.4)
TRIB1 (2.1)	ABCA1 (2.0)
TMEM101 (2.2)	LPL (2.1)
GCKR (2.2)	BLK (2.0)
FADS1 (2.3)	ENSG00000253379 (2
HAVCR1 (2.1)	MTCH2 (2.1)
CMIP (1.7)	PAFAH1B2 (1.7)
FDFT1 (2.9)	TMEM175 (2.7)
CETP (2.2)	PTPN13 (2.0)
NR1H3 (2.6)	NRBF2 (2.5)
GMIP (2.4)	TAGLN (2.3)
BCAM (2.0)	EMILIN1 (1.9)
IMMT (2.3)	HAVCR1 (2.1)
RBKS (2.0)	MRPL33 (2.0)
CTSB (2.2)	BMPR2 (2.2)
NRBF2 (1.5)	ENSG00000253379 (1
GATAD2A (2.0)	NRBP1 (2.0)
NAT2 (2.1)	CETP (2.0)
CYP7A1 (1.6)	LPAL2 (1.6)
CELF1 (2.2)	DHX38 (2.0)
TMED5 (2.5)	FGF21 (2.3)
FAM167A (2.1)	PBX4 (2.1)
SDCBP (2.0)	CYP7A1 (1.9)
CTSB (2.2)	RSPO3 (2.1)
ENSG00000200241 (2	PPIP5K1 (2.2)
REEP1 (2.1)	NAT2 (1.9)
REEP1 (2.1)	NAT2 (1.9)
HGFAC (5.4)	APOB (5.0)
LSM12 (2.5)	FGF21 (2.4)

GPAM (2.1)	ENSG00000223522 (2
APOA5 (3.6)	GATA4 (2.9)
BCL7B (2.0)	PACSIN3 (1.5)
BCAM (2.0)	TDH (2.0)
APOA4 (2.2)	NFE2L3 (2.2)
BCL7B (2.7)	SLC22A3 (2.5)
C8orf12 (2.2)	TIMD4 (2.1)
PTPRJ (1.6)	DR1 (1.6)
TRIB1 (2.0)	SDC1 (2.0)
ATP13A1 (2.4)	TMED5 (2.4)
APOA4 (2.6)	ABHD1 (2.6)
NR1H3 (2.5)	FADS2 (2.3)
DOCK6 (2.5)	KDM3A (2.3)
APOA5 (3.6)	GATA4 (3.1)
ENSG00000254235 (1	ENSG00000236827 (1
HGFAC (3.2)	TM6SF2 (3.2)
BUD13 (2.1)	COBLL1 (2.0)
TSSK6 (2.4)	SLC5A6 (2.3)
SLC22A3 (2.4)	C2orf53 (2.0)
FADS2 (2.2)	ANGPTL4 (2.1)
ZNF408 (2.6)	TMEM214 (2.3)
ZDHHC18 (2.0)	JMJD1C (1.9)
APOC1 (3.3)	APOC4 (3.3)
DPYSL5 (2.2)	C2orf16 (2.0)
ANGPTL4 (2.3)	DDB2 (2.3)
NR0B2 (3.7)	GATA4 (3.1)
KHK (2.1)	PREB (2.0)
ANGPTL4 (1.9)	VEGFA (1.8)
SPG11 (2.1)	DOCK7 (2.1)
CILP2 (1.9)	SOST (1.8)
C11orf9 (2.0)	PYY (1.9)
BMPR2 (2.1)	TIMD4 (2.1)
BCAM (2.6)	CYP7A1 (2.4)
CETP (2.1)	RIC8B (2.0)
FNDC4 (2.7)	TMEM175 (2.7)
REEP3 (2.3)	SDC1 (2.3)
BMPR2 (2.0)	KDM3A (2.0)
ABO (1.7)	TRIB1 (1.7)
CD300LG (2.2)	AFF1 (2.2)
REEP1 (2.1)	DHODH (1.9)
APOA5 (3.6)	HP (3.3)
CTSB (2.1)	C2orf53 (2.0)
CITED2 (1.6)	PDIA3 (1.6)
MRPL35 (2.2)	SNX17 (2.2)
ENSG00000256746 (1	C2orf16 (1.9)
NR1H3 (3.2)	HAVCR1 (3.0)
NR1H3 (3.2)	HAVCR1 (3.0)
NR1H3 (3.2)	HAVCR1 (3.0)
ENSG00000256731 (2	LRP4 (1.9)
CETP (2.2)	PTPN13 (2.1)

CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
CETP (2.2)	PTPN13 (2.1)
APOC1 (4.4)	NR1H3 (3.9)
APOA5 (3.6)	GATA4 (3.0)
PGS1 (2.0)	IGF2R (1.8)
TECTB (2.3)	ENSG00000253379 (2
SLC30A3 (1.9)	SPG11 (1.9)
ANGPTL3 (3.9)	APOC1 (3.7)
DOCK6 (2.2)	HGFAC (2.1)
LPL (2.2)	ZNF664 (2.2)
BCL3 (2.5)	ACP2 (2.4)
HP (3.1)	APOC1 (2.7)
APOA5 (2.4)	PLA2G6 (2.4)
CITED2 (2.4)	C8orf49 (2.4)
APOA5 (3.1)	SLC22A1 (3.1)
TM6SF2 (2.1)	APOC4 (2.0)
EPB41L3 (2.2)	APOC3 (2.1)
C11orf49 (2.2)	PTPN13 (2.2)
ENSG00000255020 (1	NR1H3 (1.7)
LSM12 (2.2)	FNBP4 (2.1)
GATAD2A (2.1)	DNAH10 (2.1)
CYP26A1 (2.2)	CASC4 (2.2)
APOA5 (5.9)	C19orf80 (4.8)
CYP26A1 (1.6)	HGFAC (1.6)
AFF1 (1.8)	HDAC5 (1.7)
CETP (1.9)	TAGLN (1.7)
CMIP (1.7)	NAGS (1.7)
VEGFA (2.0)	BAZ1B (2.0)
FDFT1 (2.2)	C17orf105 (2.2)
ZNF513 (1.8)	SIK3 (1.8)
APOA5 (2.5)	NAGS (2.5)
MAFF (2.0)	CSGALNACT1 (1.9)
ANGPTL3 (4.5)	HGFAC (4.4)
ACP2 (2.3)	CETP (2.2)
CETP (2.2)	PTPN13 (2.1)
ARID1A (2.6)	USP1 (2.5)
KHK (2.0)	ENSG00000223745 (2
KDM3A (2.2)	DNAH10 (2.2)
AFF1 (1.7)	GTF3C2 (1.7)

SDCBP (3.3)	ENSG00000234945 (3
FUT2 (1.7)	SIDT2 (1.6)
HAVCR1 (3.3)	APOE (3.2)
HAVCR1 (3.3)	APOE (3.2)
ENSG00000226645 (1	NR0B2 (1.8)
EIF2B4 (2.5)	DHX38 (2.4)
APOA5 (3.5)	C19orf80 (3.1)
TBL2 (2.0)	CASC4 (2.0)
PVRL2 (2.2)	ARID1A (2.1)
C19orf80 (2.0)	CGREF1 (1.9)
TBL2 (1.9)	KLF14 (1.9)
FUT2 (2.4)	C2orf16 (2.1)
IGF2R (2.1)	PVRL2 (2.1)
FNBP4 (2.2)	POLR1A (2.2)
RIC8B (2.0)	CD300LG (1.9)
FZD9 (2.3)	EMILIN1 (2.1)
BCL3 (2.2)	CD300LG (2.2)
PVRL2 (2.3)	PTPN13 (2.1)
GTF3C2 (2.3)	POLR1A (2.3)
RASIP1 (1.8)	COBLL1 (1.8)
RSPO3 (2.3)	CETP (2.1)
RSPO3 (1.8)	BNC2 (1.8)
MLXIPL (2.1)	C11orf9 (2.0)
NAT2 (2.4)	COBLL1 (2.1)
C11orf9 (2.4)	CD300LG (2.3)
DDB2 (1.9)	FADS2 (1.9)
CSGALNACT1 (2.2)	CTSB (2.1)
HGFAC (4.4)	KHK (4.2)
GPAM (2.4)	ACP2 (2.2)
EIF2B4 (2.2)	LSM12 (2.2)
MTCH2 (2.4)	FRMD5 (2.3)
APOC1 (2.2)	PBX4 (2.2)
TRIB1 (2.0)	CYP26A1 (2.0)
HAVCR1 (2.3)	PVRL2 (2.2)
SLC22A1 (1.7)	BNC2 (1.7)
LINC00208 (2.6)	FZD9 (2.6)
PPIP5K1 (2.2)	PREB (2.1)
IGF2R (1.9)	PCSK7 (1.8)
C2orf28 (2.3)	TMEM175 (2.3)
PTPRJ (2.3)	BCL3 (2.1)
NAGS (2.1)	ENSG00000256731 (2
CETP (2.1)	C2orf53 (2.1)
CYP26A1 (2.2)	KANK2 (2.2)
ENSG00000256731 (1	GATAD2A (1.7)
LIPC (2.1)	F2 (2.0)
ZNF513 (1.9)	ENSG00000182319 (1
MADD (1.9)	FUT1 (1.9)
HP (3.1)	C19orf80 (3.0)
ENSG00000182329 (1	ENSG00000235545 (1
GCKR (2.9)	FADS1 (2.9)

GCKR (2.9)	FADS1 (2.9)
PCSK7 (1.9)	UBXN2B (1.8)
CYP7A1 (2.6)	TM6SF2 (2.5)
ABCA1 (1.8)	GCKR (1.8)
LPAR2 (2.1)	DHODH (2.1)
ABCA1 (2.8)	CYP7A1 (2.7)
ENSG00000179523 (2	ENSG00000226645 (2
SNX17 (2.5)	NRBP1 (2.5)
G6PC3 (1.8)	CMIP (1.7)
SLC22A1 (2.0)	ENSG00000236827 (1
TIMD4 (2.1)	ANGPTL4 (2.0)
SUPT7L (1.9)	TMED5 (1.9)
LINC00208 (1.7)	TRIB1 (1.7)
LPA (2.3)	FUT1 (2.2)
APOC3 (3.0)	LPAL2 (2.9)
VEGFA (2.3)	LIPC (2.2)
HP (3.6)	C19orf80 (3.5)
FGF21 (1.8)	ENSG00000182319 (1
LIPC (1.5)	MPP3 (1.5)
CSGALNACT1 (1.9)	TMEM175 (1.8)
CKAP5 (1.7)	GALNT2 (1.7)
PCIF1 (2.1)	MAMSTR (2.1)
C11orf49 (2.2)	LSM12 (2.1)
RFX4 (2.5)	KHK (2.4)
CTSB (2.3)	CETP (2.3)
SIK3 (1.6)	BRE (1.6)
PIGV (2.0)	DR1 (1.8)
RSPO3 (2.3)	CTSB (2.1)
ATG13 (2.2)	PACSIN3 (2.1)
SLC22A3 (1.8)	ABCA1 (1.7)
GPN2 (1.8)	LSM12 (1.8)
PYY (1.8)	MPP3 (1.8)
C2orf28 (2.2)	ENSG00000200241 (2
ZNF513 (2.4)	LPL (2.3)
TRIB1 (2.1)	ENSG00000222035 (2
ENSG00000256731 (2	APOA5 (2.5)
APOC1 (2.0)	FGF21 (1.9)
C2orf16 (1.9)	CYP26A1 (1.9)
SLC22A3 (2.1)	MADD (1.9)
IMMT (2.3)	APOE (2.1)
PTPN13 (2.4)	FUT1 (2.3)
C19orf80 (4.2)	APOA5 (3.7)
ANGPTL4 (2.3)	KDM3A (2.1)
C11orf9 (1.8)	APOC1 (1.7)
IZUMO1 (1.9)	PIGV (1.9)
CYP26A1 (2.2)	FAM167A (2.2)
SDC1 (1.6)	PPM1G (1.6)
APOC1 (2.2)	PLTP (2.1)
NSMAF (2.0)	LPA (1.9)
CD300LG (1.7)	EPB41L3 (1.6)

TIMD4 (2.1)	CETP (2.1)
TECTB (2.4)	LINC00208 (2.4)
CKAP5 (2.7)	USP1 (2.7)
ZNF408 (2.4)	TBL2 (2.3)
GATAD2A (1.8)	PAFAH1B2 (1.8)
TECTB (1.7)	NAGS (1.7)
MTF2 (2.0)	DOCK6 (2.0)
CITED2 (1.8)	C8orf12 (1.7)
LSM12 (2.3)	FNBP4 (2.1)
CGREF1 (2.2)	GALNT2 (2.2)
LPA (2.1)	ENSG00000236267 (2
TAGLN (2.9)	CCDC92 (2.8)
FGF21 (1.8)	GALNT2 (1.8)
ARHGAP1 (2.0)	RSPO3 (2.0)
PTPRJ (2.6)	PMFBP1 (2.5)
ATP13A1 (2.0)	DHX38 (1.8)
RSPO3 (1.7)	ABCA1 (1.6)
CGREF1 (2.4)	CYP26A1 (2.3)
ENSG00000200241 (2	HAPLN4 (2.1)
CATSPER2 (2.6)	VEGFA (2.6)
NR1H3 (1.9)	DUSP3 (1.9)
ATP13A1 (2.9)	CLPTM1 (2.8)
KLF14 (2.6)	NR1H3 (2.5)
CETP (2.2)	ATG13 (2.2)
AGBL5 (1.9)	ENSG00000226645 (1
HGFAC (2.5)	DHODH (2.5)
GMIP (2.2)	CLPTM1 (2.1)
NFE2L3 (2.0)	HARBI1 (1.9)
MAFF (1.9)	NFE2L3 (1.8)
NSMAF (1.9)	PTCD3 (1.9)
SLC22A1 (3.8)	GCKR (3.4)
C1QTNF4 (1.8)	VEGFA (1.8)
LPL (1.7)	SDC1 (1.7)
CCDC121 (2.1)	DOCK6 (2.1)
PPIP5K1 (2.0)	C19orf80 (1.8)
DUSP3 (2.2)	ARHGAP1 (2.1)
CMIP (2.3)	SLC5A6 (2.2)
RBKS (2.1)	ENSG00000222035 (2
SLC22A3 (1.8)	APOA4 (1.8)
MAPRE3 (2.0)	SLC22A3 (2.0)
BCL3 (2.0)	BCL7B (1.9)
AGBL2 (2.2)	PLTP (2.1)
KANK2 (2.2)	BCL3 (2.2)
HAPLN4 (1.9)	ENSG00000257711 (1
ABHD1 (1.8)	SLC22A1 (1.8)
LPA (2.0)	CYP7A1 (1.9)
LPL (2.2)	RBKS (2.1)
LPAL2 (3.2)	HP (3.0)
CETP (2.1)	PTPN13 (2.1)
PLTP (2.2)	ENSG00000182319 (2

TMEM101 (2.6)	APOE (2.3)
TIMD4 (1.7)	ENSG00000257711 (1
ARID1A (2.1)	REEP1 (1.9)
PIGV (1.9)	CTDSPL2 (1.7)
DHX38 (2.5)	KBTBD4 (2.4)
FADS1 (2.0)	KANK2 (1.9)
FUT2 (2.1)	GATA4 (2.0)
CYP7A1 (2.8)	HGFAC (2.8)
C19orf80 (3.5)	SLC22A1 (3.4)
C19orf80 (3.5)	SLC22A1 (3.4)
DOCK6 (2.1)	ENSG00000182319 (2
ARHGAP1 (2.1)	TUBGCP4 (2.1)
CAD (2.5)	ARFGAP2 (2.5)
SIDT2 (1.9)	FUT2 (1.8)
LPL (2.1)	PVRL2 (2.0)
ABHD1 (2.2)	ENSG00000179523 (2
C19orf80 (2.7)	APOC4 (2.7)
ENSG00000182319 (2	C1orf172 (2.1)
RBKS (2.0)	TECTB (2.0)
FADS1 (2.1)	SFN (2.0)
GCKR (3.5)	APOC4 (3.4)
APOA1 (3.1)	ENSG00000236267 (3
RSPO3 (2.3)	C2orf53 (2.2)
MAFF (2.3)	MAU2 (2.1)
TM6SF2 (1.9)	APOB (1.9)
SLC22A3 (1.7)	C2orf16 (1.5)
LPAL2 (1.7)	GALNT2 (1.6)
ACP2 (2.2)	MLXIPL (2.2)
APOA4 (2.4)	ABCA1 (2.3)
ENSG00000254235 (1	ENSG00000226645 (1
PTPN13 (1.9)	HAPLN4 (1.9)
FZD9 (1.9)	ENSG00000236827 (1
LPAL2 (2.9)	ANGPTL3 (2.7)
AMBRA1 (2.1)	PCIF1 (2.0)
ANGPTL3 (2.6)	MTCH2 (2.4)
PTCD3 (2.8)	SLC5A6 (2.7)
C2orf28 (2.4)	OST4 (2.2)
HGFAC (2.3)	ANGPTL3 (2.3)
ENSG00000256731 (2	BMPR2 (2.3)
VEGFA (1.5)	AFF1 (1.4)
DHX38 (2.1)	ZNF513 (2.1)
MPV17 (2.2)	PLTP (2.1)
MPV17 (2.2)	PLTP (2.1)
SDC1 (2.1)	ABO (2.1)
TM6SF2 (2.1)	FUT1 (2.1)
CSGALNACT1 (2.0)	TDH (1.9)
MAFF (2.0)	ENSG00000255020 (1
PYY (2.5)	FAM167A (2.2)
TBL2 (3.3)	TMEM175 (3.2)
ATG4C (1.9)	RBKS (1.9)

HGFAC (1.8)	SLC22A1 (1.8)
LRP4 (2.1)	CD300LG (2.1)
TOMM40 (2.9)	MPV17 (2.8)
DHODH (1.8)	FNBP4 (1.7)
ENSG00000236267 (2	C1QTNF4 (1.9)
ACP2 (2.4)	TIMD4 (2.1)
MTF2 (1.5)	CCDC18 (1.5)
PMFBP1 (2.2)	CBLC (2.1)
APOA1 (2.2)	PMFBP1 (1.8)
FUT2 (2.1)	CGREF1 (2.1)
APOE (2.2)	FRMD5 (2.1)
RBKS (1.7)	ANGPTL4 (1.7)
PVRL2 (2.0)	NFE2L3 (2.0)
NAGS (2.2)	ABHD1 (2.1)
TAGLN (2.2)	BMPR2 (2.2)
SLC22A1 (1.9)	TDH (1.8)
ANGPTL3 (2.0)	NRBP1 (2.0)
CSGALNACT1 (2.2)	SLC22A1 (2.1)
C19orf80 (2.9)	GCKR (2.8)
CMIP (2.1)	DR1 (2.0)
ANGPTL3 (3.4)	APOC4 (3.4)
CD300LG (1.8)	LPL (1.8)
ACP2 (2.7)	PPIP5K1 (2.7)
ACP2 (2.7)	PPIP5K1 (2.7)
MPV17 (2.9)	SDCBP (2.4)
MPV17 (2.9)	SDCBP (2.4)
PBX4 (2.0)	CD300LG (2.0)
APOC4 (3.8)	APOC1 (3.7)
APOC4 (3.8)	APOC1 (3.7)
FUT1 (2.2)	MADD (2.1)
PCIF1 (2.1)	BCL3 (1.9)
GMIP (1.7)	ABCA1 (1.7)
KRTCAP3 (2.1)	SIDT2 (2.1)
ENSG00000179523 (2	NUP160 (2.1)
ATG4C (2.4)	PLTP (2.3)
NAGS (2.0)	MAPRE3 (1.9)
ENSG00000254235 (2	MAMSTR (1.9)
ENSG00000236827 (1	ENSG00000255020 (1
RBKS (2.0)	CD300LG (1.9)
ENSG00000182319 (2	NEIL2 (2.0)
ZNF408 (1.8)	APOA5 (1.8)
PTPRJ (2.1)	ANGPTL4 (2.0)
ABHD1 (2.5)	GATA4 (2.4)
ENSG00000182319 (2	ABO (2.2)
HP (2.9)	FGF21 (2.8)
PVRL2 (1.9)	AGBL5 (1.7)
APOA5 (2.8)	AGBL2 (2.7)
SIK3 (2.3)	ARFGAP2 (2.2)
ABCA1 (1.8)	CGREF1 (1.8)
GMIP (2.1)	SNX17 (2.1)

NR0B2 (2.3)	CMIP (2.3)
COBLL1 (2.1)	SIDT2 (2.1)
PTCD3 (2.1)	ACP2 (1.9)
CTSB (1.7)	BCL3 (1.7)
NR1H3 (2.9)	CLPTM1 (2.8)
RASIP1 (1.9)	LRP4 (1.9)
ARID1A (2.0)	MAFF (2.0)
MTMR9 (1.5)	ENSG00000182329 (1
ARHGAP1 (2.1)	PCIF1 (2.1)
SOST (2.6)	BCAM (2.2)
VEGFA (2.0)	TMEM175 (1.9)
G6PC3 (1.7)	ENSG00000255020 (1
MAU2 (2.1)	TRIB1 (2.1)
SIDT2 (2.1)	ARHGAP1 (2.0)
ARHGAP1 (1.9)	LINC00208 (1.8)
PVRL2 (2.2)	C1orf172 (2.1)
BAZ1B (2.7)	CLPTM1 (2.7)
IFT172 (2.2)	BRE (2.1)
MADD (2.0)	MLXIPL (1.9)
EPB41L3 (2.1)	MAPK10 (2.0)
C2orf16 (1.8)	ENSG00000253379 (1
ENSG00000223745 (2	ENSG00000236827 (2
TBL2 (1.9)	DHX38 (1.9)
DUSP3 (2.1)	C19orf80 (2.0)
TRNP1 (2.1)	BMPR2 (2.0)
LPL (2.4)	UCN (2.4)
SUMO1 (1.7)	LPL (1.7)
FZD9 (2.1)	C17orf105 (2.1)
PTPN13 (2.4)	BNC2 (2.3)
TM6SF2 (3.8)	NAGS (3.7)
CGREF1 (2.3)	APOA1 (2.2)
ATP13A1 (2.6)	SUPT7L (2.5)
ATP13A1 (2.6)	SUPT7L (2.5)
ATP13A1 (2.6)	SUPT7L (2.5)
CD300LG (2.1)	RBKS (1.9)
LRP4 (1.7)	LPAR2 (1.7)
CASC4 (2.0)	G6PC3 (1.9)
SFN (2.0)	ABO (1.9)
TECTB (2.1)	FAM167A (2.0)
ZNF513 (1.9)	INTS10 (1.9)
ZDHHC18 (2.0)	LPAR2 (1.9)
FGF21 (3.0)	PLA2G6 (2.6)
CLPTM1 (1.7)	BCAM (1.7)
GATAD2A (1.9)	PVRL2 (1.7)
MPV17 (2.9)	IGF2R (2.7)
LINC00208 (1.8)	TDH (1.5)
NFE2L3 (2.1)	SLC22A3 (2.1)
JMJD1C (2.2)	CITED2 (2.1)
MPV17 (2.1)	HDAC5 (2.0)
PREB (3.2)	ATP13A1 (3.1)

FGF21 (2.0)	KANK2 (2.0)
NAT2 (1.9)	ANGPTL4 (1.8)
SLC22A3 (1.8)	SDC1 (1.7)
CHMP3 (1.9)	TUBGCP4 (1.8)
GATAD2A (2.5)	INTS10 (2.4)
GPAM (2.1)	PCSK7 (1.9)
USP1 (2.5)	DHODH (2.5)
USP1 (2.5)	DHODH (2.5)
BMPR2 (1.8)	PTPN13 (1.8)
KDM3A (2.1)	G6PC3 (1.9)
TIMD4 (2.1)	ENSG00000182319 (2
C19orf80 (3.7)	HP (3.5)
GPAM (2.3)	PLTP (2.2)
BMPR2 (2.1)	CTSB (2.1)
DR1 (2.4)	INTS10 (2.4)
NAGS (2.2)	ENSG00000226645 (2
FRMD5 (2.3)	TRIB1 (2.1)
GALNT2 (2.6)	APOA4 (2.5)
ENSG00000257711 (2	CD300LG (2.3)
ENSG00000223745 (2	GPAM (2.2)
CGREF1 (2.0)	EPB41L3 (1.9)
APOB (2.0)	C19orf80 (1.9)
LPA (1.9)	TIMD4 (1.8)
SIK3 (2.2)	ATG13 (2.1)
FNBP4 (2.1)	CD300LG (2.1)
ACP2 (2.3)	CETP (2.2)
CSGALNACT1 (1.9)	SLC22A3 (1.9)
FZD9 (2.0)	KANK2 (1.9)
CYP7A1 (2.4)	ENSG00000200241 (2
SLC22A1 (2.1)	NEIL2 (1.9)
NSMAF (2.2)	HDAC5 (2.1)
TBL2 (2.0)	SIDT2 (2.0)
ENSG00000235545 (1	HARBI1 (1.9)
ENSG00000255020 (2	HDAC5 (2.1)
ENSG00000200241 (2	PPIP5K1 (2.6)
GCKR (4.2)	APOA5 (4.0)
ENSG00000200241 (2	PPM1G (2.5)
C1QTNF4 (1.5)	SDCBP (1.5)
NCAN (1.9)	CBLC (1.9)
HDAC5 (2.6)	ZNF335 (2.5)
DUSP3 (2.1)	UCN (1.9)
PTPN13 (2.1)	BMPR2 (2.1)
BRE (2.1)	C2orf16 (2.1)
TMEM214 (2.0)	ATP13A1 (2.0)
LRP4 (2.2)	AMBRA1 (2.2)
DOCK6 (1.8)	LPL (1.7)
PACSIN3 (2.0)	CILP2 (1.9)
ENSG00000254235 (2	APOA5 (2.3)
SIK3 (2.3)	BAZ1B (2.2)
TRIB1 (2.0)	SDC1 (2.0)

KRTCAP3 (2.6)	CD300LG (2.5)
GPAM (2.1)	FAM167A (2.0)
HGFAC (2.5)	APOC4 (2.5)
SLC22A1 (2.4)	LPA (2.3)
APOB (3.1)	NAGS (2.8)
ENSG00000223522 (2	INTS10 (1.9)
ACP2 (2.3)	PBX4 (2.2)
F2 (1.8)	ZDHHC18 (1.7)
RIC8B (1.5)	CITED2 (1.4)
KDM3A (1.6)	ENSG00000256731 (1
GPAM (1.6)	PTPRJ (1.5)
IZUMO1 (1.9)	MAFF (1.9)
BRE (1.8)	ATG4C (1.8)
RFX4 (2.1)	CGREF1 (2.1)
APOC1 (2.3)	MTMR9 (2.3)
TBL2 (2.3)	ATP13A1 (2.3)
SLC22A3 (2.0)	CETP (1.9)
ACP2 (2.4)	ZDHHC18 (2.2)
ZNF335 (2.0)	GATA4 (1.9)
APOA4 (2.3)	TMEM214 (2.3)
TM6SF2 (2.2)	AFF1 (2.1)
MAMSTR (2.0)	BCAM (2.0)
FUT1 (1.7)	REEP3 (1.6)
PLA2G6 (2.0)	TMEM101 (1.9)
ARID1A (2.6)	ATP13A1 (2.5)
LPAR2 (1.6)	STRC (1.6)
PREB (2.4)	REEP3 (2.4)
GATAD2A (2.0)	EIF2B4 (2.0)
GPAM (2.1)	PVRL2 (2.0)
BCAM (2.0)	LPA (1.9)
APOC1 (2.2)	BLK (2.2)
DHODH (2.4)	ABHD1 (2.3)
SLC22A3 (1.9)	SLC22A1 (1.7)
PBX4 (1.7)	ENSG00000226645 (1
ARHGAP1 (1.9)	EMILIN1 (1.7)
RASIP1 (2.2)	CITED2 (2.1)
CCDC92 (2.2)	CETP (2.2)
HAPLN4 (1.9)	CMIP (1.9)
MLXIPL (1.8)	CD300LG (1.7)
APOC1 (1.9)	ABCA1 (1.8)
TMEM101 (2.0)	MLXIPL (2.0)
CAD (2.6)	NRBP1 (2.6)
LPA (2.0)	PIGV (1.8)
KHK (4.0)	TM6SF2 (3.7)
LPL (2.4)	PTPRJ (2.3)
GATAD2A (2.3)	CMIP (2.2)
ANGPTL3 (3.5)	LPA (3.2)
SDC1 (2.3)	FUT2 (2.1)
SNX17 (1.7)	ENSG00000179523 (1
DOCK7 (1.9)	SLC5A6 (1.8)

SLC22A1 (2.1)	MPP3 (2.1)
CYP7A1 (2.7)	SLC22A3 (2.6)
CMIP (2.1)	DUSP3 (2.1)
PLTP (2.0)	CD300LG (1.8)
APOC4 (2.6)	APOA5 (2.4)
NAGS (1.8)	APOC3 (1.7)
RSPO3 (2.2)	TIMD4 (1.9)
HGFAC (2.4)	NAT2 (2.4)
ENSG00000257711 (2	NR1H3 (2.1)
GPAM (1.8)	MAMSTR (1.7)
SDCBP (1.6)	FAM167A (1.6)
APOC4 (2.6)	LPAL2 (2.6)
SIK3 (1.5)	DNAH10 (1.5)
ATP13A1 (1.8)	CSGALNACT1 (1.8)
HGFAC (1.9)	CSGALNACT1 (1.8)
HP (1.7)	ANGPTL3 (1.7)
NAGS (1.7)	GALNT2 (1.7)
TRIM54 (2.3)	C11orf9 (2.2)
ENSG00000254235 (2	UBXN2B (2.4)
IZUMO1 (2.4)	ENSG00000226645 (2
CD300LG (2.3)	ANGPTL4 (2.3)
ENSG00000182319 (1	DOCK6 (1.7)
C2orf53 (2.1)	NRBF2 (2.0)
JMJD1C (2.5)	TAGLN (2.5)
SUGP1 (2.2)	NOP58 (2.2)
GATA4 (2.3)	NSMAF (2.3)
TM6SF2 (2.4)	AMBRA1 (2.2)
TM6SF2 (2.4)	AMBRA1 (2.2)
GALNT2 (2.1)	SFN (2.0)
ENSG00000236267 (3	ENSG00000223522 (3
PIGV (2.6)	FADS2 (2.6)
RBKS (1.9)	HARBI1 (1.9)
APOC4 (1.8)	TOMM40 (1.7)
TRIB1 (2.2)	PTPRJ (2.0)
VEGFA (2.0)	CHMP3 (1.9)
FNBP4 (2.0)	C8orf12 (1.9)
G6PC3 (2.5)	LPL (2.4)
PCSK7 (2.4)	SLC22A1 (2.3)
FZD9 (2.0)	PLTP (1.9)
CILP2 (1.9)	IGF2R (1.9)
SLC22A3 (2.1)	EPB41L3 (1.9)
HP (2.5)	UCN (2.3)
VEGFA (1.9)	KANK2 (1.9)
FUT1 (2.0)	HGFAC (2.0)
NR1H3 (1.9)	ARHGAP1 (1.7)
TOMM40 (2.1)	HAPLN4 (2.1)
UCN (1.9)	RSPO3 (1.9)
APOC1 (2.3)	GPAM (2.2)
KANK2 (2.3)	AFF1 (2.1)
EPB41L3 (2.0)	MAMSTR (1.9)

ENSG00000223745 (1	FUT2 (1.9)
DNAH10 (2.1)	PACSIN3 (2.1)
DNAH10 (2.1)	PACSIN3 (2.1)
GALNT2 (1.8)	ENSG00000236827 (1
JMJD1C (1.9)	ABCA1 (1.8)
APOA4 (1.9)	ACP2 (1.9)
MAFF (1.8)	ENSG00000234945 (1
GPN2 (2.4)	MYBPC3 (2.3)
ZNF664 (2.1)	ZNF408 (2.1)
CBLC (1.8)	PPY (1.8)
C2orf53 (1.8)	ENSG00000200241 (1
TRIM54 (2.4)	CD300LG (2.4)
ENSG00000255020 (2	ARFGAP2 (2.3)
NRBP1 (2.4)	BCL3 (2.4)
SLC22A1 (3.0)	PACSIN3 (2.9)
TMED5 (1.7)	CBLC (1.7)
BCL3 (2.1)	BMPR2 (1.9)
F2 (2.0)	CMIP (1.9)
KANK2 (2.2)	ABCA1 (2.0)
APOA5 (2.0)	ENSG00000253379 (1
CCDC92 (2.2)	SLC22A3 (2.2)
IZUMO1 (1.6)	PIGV (1.6)
ENSG00000222035 (2	RBKS (2.2)
AFF1 (1.6)	ENSG00000257711 (1
RSPO3 (2.1)	CYP26A1 (2.1)
LRP4 (1.7)	ABO (1.7)
APOC4 (2.7)	APOA5 (2.5)
ABHD1 (2.4)	PLA2G6 (2.4)
PLTP (2.5)	EPB41L3 (2.1)
SNX17 (2.2)	INTS10 (2.1)
ABCA1 (2.1)	APOE (2.0)
NUP160 (2.3)	GATAD2A (2.1)
CD300LG (2.0)	REEP3 (2.0)
LPA (2.2)	LPAL2 (2.2)
NOP58 (2.2)	ANGPTL4 (2.1)
LSM12 (2.0)	DR1 (2.0)
CILP2 (2.1)	TBL2 (2.0)
CD300LG (2.0)	LRP4 (1.9)
BLK (1.6)	SDC1 (1.5)
ZDHHC18 (1.8)	CTSB (1.7)
TRNP1 (2.1)	ZNF664 (2.0)
EMILIN1 (2.9)	TDH (2.6)
CTSB (2.6)	NR0B2 (2.4)
ZNF513 (2.0)	FUT1 (1.9)
SIK3 (1.8)	NEIL2 (1.7)
SLC22A1 (2.3)	C19orf80 (2.3)
DOCK6 (2.3)	EIF3J (2.2)
TECTB (2.4)	SOST (2.0)
GALNT2 (1.7)	CYP7A1 (1.6)
INTS10 (2.5)	NUP160 (2.5)

TMEM101 (2.1)	NCAN (1.8)
CCDC92 (1.6)	ENSG00000182319 (1
MAFF (1.9)	CSGALNACT1 (1.8)
SDC1 (2.1)	DOCK7 (2.1)
KLF14 (1.7)	RASIP1 (1.7)
ENSG00000236827 (1	GATAD2A (1.9)
BCL3 (2.0)	ZDHHC18 (1.9)
BMPR2 (1.8)	NRBP1 (1.7)
REEP1 (2.0)	RSPO3 (2.0)
LPAR2 (2.9)	DOCK6 (2.5)
LSM12 (2.0)	MRPL33 (2.0)
KDM3A (2.1)	DOCK6 (2.0)
ENSG00000182319 (2	PCSK7 (2.1)
DDB2 (1.7)	FUT1 (1.6)
RIC8B (1.9)	PDIA3 (1.9)
TDH (2.0)	BCL3 (1.9)
DUSP3 (2.0)	SDCBP (1.9)
CLPTM1 (2.1)	G6PC3 (2.1)
SIK3 (2.0)	MAFF (2.0)
CAD (2.3)	BRE (2.3)
SDCBP (1.9)	HAVCR1 (1.8)
SIDT2 (2.0)	NSMAF (2.0)
CTSB (1.9)	RBKS (1.8)
DOCK6 (2.5)	MYBPC3 (2.5)
IZUMO1 (1.7)	REEP3 (1.6)
HGFAC (3.2)	CYP7A1 (3.1)
ABCA1 (2.0)	GALNT2 (2.0)
GATAD2A (1.7)	CATSPER2 (1.7)
SUGP1 (2.5)	PPM1G (2.4)
ZNF513 (1.9)	PTPRJ (1.8)
C11orf9 (2.3)	KDM3A (2.2)
CD300LG (2.0)	PVRL2 (2.0)
LIPC (3.5)	PVRL2 (3.4)
BAZ1B (2.5)	ARID1A (2.2)
ENSG00000234945 (1	AFF1 (1.8)
FUT2 (2.0)	CSGALNACT1 (2.0)
ACP2 (2.8)	LIPC (2.4)
ARID1A (1.8)	FADS2 (1.8)
FNDC4 (2.1)	BCAM (2.1)
COBLL1 (2.0)	NAT2 (2.0)
SLC22A1 (1.9)	ARID1A (1.9)
FUT1 (2.0)	SIDT2 (2.0)
GATAD2A (2.0)	EPB41L3 (1.9)
TDH (2.8)	ENSG00000234945 (2
G6PC3 (2.2)	HAPLN4 (2.2)
MAFF (2.2)	NFE2L3 (2.1)
PCSK7 (2.2)	SPG11 (2.1)
HP (2.3)	TRIB1 (2.1)
PTPN13 (2.0)	VEGFA (1.9)
KDM3A (2.0)	PTPN13 (1.9)

LPAR2 (2.1)	PTPN13 (2.1)
HDAC5 (2.4)	CELF1 (2.2)
PTPMT1 (2.1)	TBL2 (1.9)
PGS1 (2.4)	PCIF1 (2.3)
PGS1 (2.4)	PCIF1 (2.3)
LPL (2.1)	FRMD5 (2.0)
DR1 (1.5)	CCDC121 (1.5)
ENSG00000234945 (2	MLXIPL (2.7)
JMJD1C (1.7)	REEP1 (1.7)
C2orf28 (2.2)	ACP2 (2.2)
PTPRJ (1.9)	PTPN13 (1.9)
MAU2 (2.2)	GMIP (2.1)
C2orf53 (2.0)	TECTB (1.9)
ABO (1.9)	SUMO1 (1.9)
PMFBP1 (2.0)	GMIP (2.0)
ANGPTL4 (1.6)	C2orf16 (1.6)
APOC1 (2.9)	LPA (2.8)
KLF14 (1.7)	BCL3 (1.7)
PIGV (1.6)	LPAL2 (1.5)
MAU2 (2.0)	PVRL2 (1.9)
DPYSL5 (1.9)	DNAJC5G (1.9)
MLXIPL (2.5)	MPV17 (2.5)
PCSK7 (2.2)	PTPRJ (2.2)
HGFAC (2.8)	KHK (2.8)
ZNF259 (2.0)	NAGS (1.9)
ZNF259 (2.0)	NAGS (1.9)
FAM167A (2.3)	LINC00208 (2.2)
LRP4 (1.8)	CYP7A1 (1.8)
LIPC (2.3)	CYP7A1 (2.3)
LPAL2 (1.5)	NFE2L3 (1.5)
CSGALNACT1 (1.7)	BRE (1.6)
NR1H3 (1.9)	APOC1 (1.9)
DOCK7 (2.0)	FUT1 (1.9)
KANK2 (1.9)	KRTCAP3 (1.8)
CLPTM1 (2.2)	SIDT2 (2.0)
C1orf172 (2.1)	TDH (2.0)
EIF2B4 (3.0)	IMMT (2.8)
APOA5 (2.1)	F2 (2.1)
HGFAC (1.9)	FUT2 (1.9)
FUT2 (3.3)	PREB (3.2)
ENSG00000200241 (2	ANGPTL4 (2.0)
IGF2R (1.9)	PTPRJ (1.9)
DOCK6 (1.7)	MPP3 (1.7)
ENSG00000236827 (2	CETP (2.2)
TXNL4B (1.5)	BCL3 (1.5)
BUD13 (3.0)	CTDSPL2 (2.9)
EMILIN1 (2.6)	SDC1 (2.4)
DDB2 (2.1)	APOC4 (2.1)
CATSPER2 (1.6)	PTPN13 (1.6)
NFE2L3 (2.2)	SIDT2 (2.1)

CCDC121 (1.8)	KLF14 (1.6)
SLC30A3 (2.0)	KLF14 (1.9)
GCKR (2.3)	LIPC (2.2)
SIK3 (1.7)	ENSG00000236827 (1
NR1H3 (2.0)	GMIP (2.0)
MTF2 (1.9)	PVRL2 (1.8)
PTPN13 (1.6)	AMBRA1 (1.5)
BMPR2 (2.1)	REEP1 (1.8)
C11orf9 (1.9)	IZUMO1 (1.8)
C2orf16 (1.4)	ZDHHC18 (1.4)
FNDC4 (2.3)	FZD9 (2.2)
PTPRJ (1.8)	EPB41L3 (1.7)
CELF1 (2.3)	CITED2 (2.2)
GCKR (1.9)	CCDC92 (1.7)
NAT2 (2.1)	NRBF2 (2.1)
TBL2 (2.4)	PREB (2.3)
GCKR (1.8)	C2orf16 (1.8)
TDH (2.0)	APOE (2.0)
KANK2 (1.8)	HARBI1 (1.8)
TRIB1 (2.1)	ACP2 (2.0)
C19orf80 (2.5)	GCKR (2.5)
DUSP3 (2.1)	MAMSTR (2.1)
CSGALNACT1 (1.9)	FUT2 (1.8)
CSGALNACT1 (1.9)	FUT2 (1.8)
ANGPTL4 (2.2)	BCAM (2.0)
ANGPTL3 (3.2)	GCKR (3.1)
ENSG00000222035 (1	SFN (1.7)
BNC2 (1.7)	ANGPTL3 (1.7)
MAFF (1.9)	MLXIPL (1.4)
RIC8B (1.9)	SDCBP (1.8)
ENSG00000200241 (2	IFT172 (1.7)
FAM167A (1.6)	AFF1 (1.6)
VEGFA (2.3)	C11orf9 (2.3)
CTSB (1.8)	ATG4C (1.8)
ENSG00000256731 (2	CILP2 (1.8)
BMPR2 (1.8)	RIC8B (1.8)
FNBP4 (2.1)	KRTCAP3 (2.0)
DUSP3 (2.2)	BCL3 (2.2)
NCAN (2.2)	TIMD4 (2.1)
TMED5 (1.9)	G6PC3 (1.8)
ZNF513 (2.3)	PIGV (2.2)
BMPR2 (1.9)	NFE2L3 (1.7)
TDH (1.7)	MADD (1.7)
SLC22A3 (2.2)	FZD9 (2.2)
NR0B2 (2.5)	C17orf105 (2.4)
CAD (2.0)	NOP58 (2.0)
NAGS (1.9)	C19orf80 (1.8)
NFE2L3 (1.9)	ZNF513 (1.8)
VEGFA (2.0)	RSPO3 (1.9)
NCAN (2.0)	C19orf80 (1.8)

LPAR2 (2.0)	ENSG00000255020 (1
MPP3 (1.8)	UBXN2B (1.7)
CLPTM1 (1.9)	ATG4C (1.9)
GATA4 (2.2)	C1orf172 (2.2)
LSM12 (2.3)	TMED5 (2.2)
KANK2 (2.1)	PACSIN3 (2.1)
MAU2 (2.1)	LSM12 (2.1)
ARFGAP2 (2.2)	WDR76 (2.1)
GATAD2A (2.2)	DUSP3 (2.2)
SUGP1 (2.8)	CAD (2.7)
SDC1 (1.6)	MAFF (1.6)
ATG4C (1.8)	PTPMT1 (1.8)
APOA1 (2.7)	ENSG00000236267 (2
PTPN13 (2.2)	TIMD4 (2.1)
TOMM40 (2.8)	DHODH (2.7)
ANGPTL4 (1.9)	MAFF (1.9)
VEGFA (2.3)	LRP4 (2.3)
SDCBP (2.1)	TMED5 (2.1)
AGBL2 (2.4)	UBXN2B (2.1)
GPN2 (2.4)	ZNF335 (2.4)
ABHD1 (2.4)	TRIB1 (2.2)
CITED2 (1.7)	MAU2 (1.7)
BCAM (1.8)	C11orf9 (1.8)
FAM167A (2.1)	ABCA1 (1.9)
ARHGAP1 (1.8)	TIMD4 (1.7)
NFE2L3 (1.9)	ENSG00000257711 (1
KHK (2.4)	ENSG00000236267 (2
SOST (2.1)	LSM12 (1.9)
SOST (2.1)	LSM12 (1.9)
NUP160 (2.3)	USP1 (2.3)
ACP2 (2.8)	TBL2 (2.5)
CMIP (2.5)	LPAR2 (2.4)
ARHGAP1 (2.3)	REEP3 (2.1)
BCL7B (2.2)	PAFAH1B2 (2.1)
CKAP5 (1.7)	TRNP1 (1.7)
CATSPER2 (2.3)	BRE (2.2)
PIGV (2.4)	FUT1 (2.0)
ARFGAP2 (2.3)	SNX17 (2.2)
MLXIPL (2.2)	AFF1 (1.8)
ENSG00000179523 (2	ABHD1 (2.1)
BMPR2 (2.9)	CKAP5 (2.8)
ZNF335 (1.6)	ACP2 (1.5)
LPA (2.4)	CYP7A1 (2.4)
GPN1 (2.1)	C8orf12 (2.1)
NR0B2 (3.1)	HP (2.5)
ZNF408 (1.6)	MAFF (1.6)
ZNF408 (1.6)	MAFF (1.6)
DHX38 (2.7)	CAD (2.6)
AFF1 (1.6)	PIGV (1.6)
APOE (2.5)	FZD9 (2.3)

REEP3 (2.0)	FUT2 (1.9)
BCL3 (2.0)	LSM12 (1.9)
C2orf28 (2.4)	ATG4C (2.4)
FAM167A (2.1)	PMFBP1 (2.1)
PLTP (1.8)	LPAR2 (1.7)
ZNF335 (1.6)	GATAD2A (1.5)
TBL2 (2.3)	C2orf28 (2.3)
ENSG00000223522 (2	SUGP1 (1.8)
PLTP (2.7)	APOC3 (2.7)
LPL (2.1)	NCAN (2.1)
NR0B2 (2.2)	RSPO3 (2.2)
ENSG00000182319 (1	PMFBP1 (1.6)
PLTP (3.0)	ATP13A1 (2.6)
CASC4 (2.3)	CCDC18 (1.9)
PTCD3 (2.1)	DHX38 (2.0)
VEGFA (2.1)	CILP2 (1.9)
ANGPTL4 (2.0)	GALNT2 (1.9)
FAM167A (1.5)	ABCA1 (1.4)
ENSG00000253379 (2	GATA4 (2.0)
CITED2 (1.6)	SDCBP (1.6)
KRTCAP3 (2.1)	C1orf172 (1.9)
PVRL2 (2.1)	C1orf172 (2.1)
FAM167A (2.2)	KDM3A (1.9)
HGFAC (1.7)	CTSB (1.6)
SLC5A6 (1.8)	GALNT2 (1.8)
IZUMO1 (1.7)	PIGV (1.6)
NCAN (2.3)	VEGFA (2.3)
NRBP1 (2.0)	ATG13 (1.9)
GALNT2 (2.7)	G6PC3 (2.4)
DHX38 (2.5)	EIF3J (2.5)
DHODH (2.5)	PTCD3 (2.3)
ATG4C (2.3)	DPYSL5 (2.3)
BNC2 (2.5)	RASIP1 (2.5)
NR0B2 (1.9)	ZNF513 (1.8)
KLF14 (2.3)	MAMSTR (2.2)
NAT2 (1.9)	SDCBP (1.9)
CYP7A1 (1.9)	ENSG00000254235 (1
TMEM214 (2.3)	DNAJC5G (2.2)
NRBP1 (2.5)	SNX17 (2.4)
AMBRA1 (2.0)	PBX4 (2.0)
NAGS (2.2)	APOC4 (2.0)
FZD9 (2.3)	SDC1 (2.3)
EMILIN1 (1.8)	CSGALNACT1 (1.7)
PBX4 (1.8)	REEP3 (1.7)
IZUMO1 (1.6)	LPAL2 (1.6)
SPG11 (2.6)	TDH (2.6)
CSGALNACT1 (1.5)	PIGV (1.4)
PIGV (1.6)	CYP7A1 (1.6)
SLC30A3 (1.9)	CELF1 (1.9)
GMIP (1.8)	BLK (1.7)

CCDC92 (1.9)	LRP4 (1.8)
CYP7A1 (1.6)	PIGV (1.6)
TRNP1 (2.2)	APOA5 (2.2)
PIGV (1.6)	MAFF (1.6)
PIGV (1.6)	MAFF (1.6)
GTF3C2 (2.5)	ENSG00000226645 (2
GTF3C2 (2.5)	ENSG00000226645 (2
GTF3C2 (2.5)	ENSG00000226645 (2
PTPMT1 (2.2)	TUBGCP4 (2.1)
GCKR (1.7)	APOC1 (1.7)
PPY (2.2)	CD300LG (2.1)
TRIB1 (2.2)	ENSG00000257711 (2
EMILIN1 (2.5)	PLTP (2.5)
BUD13 (2.5)	ARID1A (2.4)
C11orf9 (1.9)	FZD9 (1.9)
CD300LG (2.0)	C11orf9 (2.0)
NR0B2 (2.3)	FGF21 (2.2)
ATG4C (2.3)	ARID1A (2.1)
BNC2 (2.1)	MAFF (2.0)
KHK (2.6)	LPL (2.2)
HGFAC (2.4)	BLK (2.4)
CILP2 (1.9)	PCSK7 (1.8)
ENSG00000234945 (2	FNDC4 (2.2)
PIGV (1.7)	MAFF (1.6)
PTPRJ (2.1)	UBXN2B (2.1)
LINC00208 (2.0)	PTPRJ (1.9)
LPAL2 (2.3)	LPA (2.2)
LPAL2 (1.7)	PIGV (1.6)
ENSG00000254235 (2	ENSG00000182319 (2
SIK3 (1.7)	GALNT2 (1.6)
NUP160 (2.7)	INTS10 (2.7)
APOA5 (2.6)	MYBPC3 (2.5)
LPAR2 (1.7)	CMIP (1.6)
APOE (1.9)	BNC2 (1.9)
PBX4 (2.0)	CETP (1.9)
FNDC4 (1.7)	KRTCAP3 (1.7)
TRIB1 (2.0)	PPM1G (2.0)
GCKR (2.4)	LINC00208 (2.3)
GMIP (2.1)	DNAH10 (2.1)
APOC3 (2.6)	ABHD1 (2.5)
ARHGAP1 (1.6)	MPV17 (1.6)
JMJD1C (1.8)	NSMAF (1.7)
MLXIPL (2.1)	C2orf16 (2.0)
PTCD3 (2.8)	NOP58 (2.8)
ENSG00000226645 (1	MAPRE3 (1.8)
ABO (1.7)	PLTP (1.7)
SLC22A1 (2.9)	ENSG00000179523 (2
KDM3A (2.2)	KANK2 (2.1)
ENSG00000182329 (1	PTPRJ (1.5)
GCKR (2.2)	LPA (2.1)

C8orf49 (2.1)	TM6SF2 (2.0)
CYP26A1 (1.7)	C2orf53 (1.7)
GATA4 (1.8)	POLR1A (1.8)
ZNF259 (2.3)	ARID1A (2.2)
AGBL5 (1.6)	SLC22A3 (1.6)
PREB (2.0)	C1orf172 (2.0)
FRMD5 (2.0)	SLC30A3 (1.8)
MAFF (1.6)	KRTCAP3 (1.6)
EIF2B4 (2.5)	PPM1G (2.3)
MAPK10 (1.8)	OST4 (1.8)
RSPO3 (1.6)	CSGALNACT1 (1.5)
PTPRJ (2.2)	TRIB1 (2.2)
KLF14 (2.0)	CCDC121 (1.8)
ENSG00000255020 (1	RSPO3 (1.8)
SLC5A6 (2.7)	PTPN13 (2.5)
FRMD5 (2.1)	ENSG00000182319 (2
DHX38 (2.3)	CELF1 (2.3)
TECTB (1.6)	NRBF2 (1.6)
MTMR9 (1.6)	JMJD1C (1.6)
SPG11 (2.3)	REEP3 (2.1)
CLPTM1 (2.0)	AFF1 (2.0)
ENSG00000223522 (2	TM6SF2 (2.5)
ARID1A (2.4)	BUD13 (2.4)
TM6SF2 (1.9)	APOC3 (1.9)
ZNF408 (2.0)	FUT1 (2.0)
MAFF (1.5)	ABCA1 (1.5)
TSSK6 (2.1)	LPA (1.9)
TMED5 (1.9)	CAD (1.9)
NR1H3 (2.3)	DR1 (2.2)
ABO (2.3)	JMJD1C (2.2)
CETP (2.0)	MTCH2 (1.9)
MRPL33 (1.9)	ANGPTL4 (1.8)
APOE (2.0)	ACP2 (1.9)
TM6SF2 (2.5)	APOA4 (2.3)
ENSG00000235545 (1	KRTCAP3 (1.6)
ACP2 (1.8)	SLC22A3 (1.7)
APOB (2.7)	KLF14 (2.6)
CASC4 (2.0)	PMFBP1 (1.8)
CELF1 (2.4)	ARFGAP2 (2.3)
ACP2 (2.0)	NFE2L3 (1.9)
LRP4 (2.5)	SLC5A6 (2.4)
APOC1 (2.2)	ABHD1 (2.1)
HARBI1 (1.7)	APOB (1.6)
LRP4 (2.1)	CGREF1 (2.1)
CBLC (2.4)	KANK2 (2.3)
EPB41L3 (2.1)	FADS2 (2.1)
PCIF1 (1.6)	MAFF (1.5)
ANGPTL4 (1.6)	LPAL2 (1.6)
ANGPTL4 (1.6)	LPAL2 (1.6)
ANGPTL4 (1.6)	LPAL2 (1.6)

CETP (2.0)	PTPRJ (1.9)
INTS10 (2.5)	ZNF512 (2.4)
G6PC3 (1.6)	CITED2 (1.6)
CD300LG (1.6)	CYP7A1 (1.6)
CCDC121 (2.0)	SOST (2.0)
FNDC4 (2.3)	F2 (2.2)
GALNT2 (1.8)	REEP3 (1.7)
APOB (2.0)	HARBI1 (2.0)
PCIF1 (2.2)	USP1 (2.1)
PCIF1 (2.5)	BUD13 (2.4)
KDM3A (2.1)	DUSP3 (1.9)
DHX38 (2.5)	INTS10 (2.5)
KLF14 (1.9)	GATA4 (1.8)
NFE2L3 (2.0)	HGFAC (2.0)
SLC22A1 (2.4)	RBKS (2.4)
RSPO3 (1.9)	CATSPER2 (1.8)
CYP7A1 (2.4)	ABHD1 (2.3)
NAGS (2.1)	ATP13A1 (2.0)
PPIP5K1 (2.5)	SUPT7L (2.1)
NAT2 (2.1)	GATA4 (1.9)
MAFF (2.0)	CTSB (2.0)
PCSK7 (2.3)	SPG11 (2.1)
GMIP (2.1)	C2orf16 (1.9)
DOCK7 (2.1)	DOCK6 (2.1)
GALNT2 (2.2)	ENSG00000234945 (2
TBL2 (1.8)	AGBL5 (1.7)
CETP (1.7)	AMBRA1 (1.6)
PTCD3 (2.6)	ATP13A1 (2.6)
CTSB (2.4)	NR1H3 (2.3)
COBLL1 (2.0)	ABCA1 (1.8)
CMIP (2.0)	DUSP3 (1.9)
DPYSL5 (1.9)	ZNF512 (1.8)
FGF21 (2.1)	AGBL5 (2.0)
CHMP3 (2.2)	ENSG00000200241 (2
VEGFA (1.9)	C19orf80 (1.9)
C11orf9 (1.6)	C19orf80 (1.5)
GALNT2 (2.5)	SIDT2 (2.4)
TP53BP1 (2.3)	SPG11 (2.3)
FNDC4 (1.9)	DDB2 (1.9)
DHX38 (2.2)	EIF3J (2.2)
INTS10 (2.4)	NUP160 (2.4)
IGF2R (2.1)	CSGALNACT1 (2.0)
ENSG00000235545 (1	ARFGAP2 (1.7)
RASIP1 (1.9)	LPL (1.8)
EIF2B4 (3.1)	ATP13A1 (3.0)
KANK2 (2.1)	PLTP (2.0)
EMILIN1 (2.0)	APOC4 (1.9)
STRC (2.1)	ENSG00000256731 (1
JMJD1C (1.9)	C8orf12 (1.8)
REEP1 (1.8)	FADS1 (1.8)

APOE (3.2)	APOA5 (3.2)
ANGPTL4 (1.9)	ENSG00000254235 (1
APOE (2.3)	HAVCR1 (2.2)
NR1H3 (1.5)	CTSB (1.5)
PYY (1.9)	DPYSL5 (1.8)
CASC4 (1.8)	SDCBP (1.8)
OST4 (2.1)	TOMM40 (2.1)
PTCD3 (2.2)	LSM12 (2.1)
INTS10 (1.5)	ABCA1 (1.5)
BMPR2 (1.9)	CYP26A1 (1.9)
NCAN (2.1)	TBL2 (1.9)
ENSG00000257711 (2	RSPO3 (2.1)
CD300LG (1.9)	PMFBP1 (1.9)
PPY (2.0)	NR0B2 (1.9)
HGFAC (2.8)	SLC22A1 (2.8)
C2orf16 (3.0)	F2 (2.9)
CSGALNACT1 (1.7)	CILP2 (1.7)
SLC5A6 (2.4)	TSSK6 (2.4)
BAZ1B (2.8)	KDM3A (2.7)
CELF1 (2.5)	BUD13 (2.4)
TMEM175 (2.2)	FADS2 (2.2)
GTF3C2 (2.4)	C2orf28 (2.2)
KBTBD4 (2.6)	RIC8B (2.4)
MRPL33 (1.7)	ANGPTL4 (1.6)
ATG4C (2.3)	ENSG00000234945 (2
BUD13 (2.6)	ARID1A (2.4)
GCKR (2.0)	TECTB (2.0)
EIF2B4 (2.7)	EIF3J (2.5)
ENSG00000256731 (1	ACP2 (1.7)
IMMT (2.7)	ATP13A1 (2.6)
C2orf16 (1.9)	NR1H3 (1.7)
SDC1 (1.8)	NAGS (1.8)
MYBPC3 (2.2)	MAFF (2.2)
ENSG00000257711 (1	ABCA1 (1.4)
TECTB (1.8)	EMILIN1 (1.8)
NAT2 (2.2)	MPV17 (2.1)
GCKR (2.4)	HP (2.3)
TMED5 (1.7)	DHODH (1.7)
NCAN (1.6)	CYP26A1 (1.6)
TDH (2.3)	COBLL1 (2.2)
TDH (1.9)	C8orf12 (1.8)
PTCD3 (2.4)	DHODH (2.4)
TMEM101 (2.2)	FDFT1 (2.0)
TMEM101 (3.1)	TMED5 (2.8)
BMPR2 (1.7)	SLC5A6 (1.7)
POLR1A (2.5)	INTS10 (2.5)
GCKR (2.1)	NR1H3 (2.1)
HDAC5 (2.1)	MAPRE3 (2.1)
ZNF512 (2.3)	LSM12 (2.3)
DPYSL5 (1.9)	ENSG00000234945 (1

SDC1 (2.0)	ARHGAP1 (1.9)
SIDT2 (2.3)	ENSG00000182319 (2
NUP160 (2.9)	DOCK7 (2.7)
IZUMO1 (1.7)	CYP7A1 (1.6)
DNAH10 (2.0)	C1orf172 (2.0)
ENSG00000257711 (1	C11orf9 (1.7)
PPIP5K1 (2.4)	GPAM (2.3)
BUD13 (2.7)	SUGP1 (2.7)
SDC1 (1.7)	NCAN (1.7)
REEP1 (2.3)	SDC1 (2.2)
PCIF1 (2.4)	ARID1A (2.4)
FRMD5 (2.6)	APOA4 (2.6)
NFE2L3 (2.1)	NUP160 (1.9)
DHX38 (2.5)	ARID1A (2.4)
VEGFA (1.8)	MRPL33 (1.7)
SOST (2.4)	SDC1 (2.1)
PTCD3 (2.0)	NEIL2 (2.0)
PTPRJ (1.6)	ENSG00000182329 (1
PTPRJ (1.6)	ENSG00000182329 (1
NFE2L3 (1.6)	C2orf16 (1.5)
APOC3 (3.7)	C19orf80 (3.6)
GPN1 (2.9)	CAD (2.9)
KDM3A (2.1)	JMJD1C (2.0)
ZNF512 (1.9)	RASIP1 (1.8)
C8orf12 (2.0)	HAPLN4 (1.9)
IGF2R (2.2)	PACSIN3 (2.2)
ENSG00000222035 (2	PTPMT1 (2.3)
PBX4 (1.9)	GCKR (1.8)
NRBF2 (2.4)	ZNF513 (2.2)
TDH (2.4)	SIK3 (2.2)
BNC2 (2.4)	TBL2 (2.3)
VEGFA (1.8)	COBLL1 (1.8)
ENSG00000236827 (2	TRNP1 (1.8)
AFF1 (1.6)	CYP7A1 (1.6)
IGF2R (2.0)	ANGPTL4 (1.9)
AGBL5 (2.1)	GPN1 (2.1)
CETP (1.6)	DDB2 (1.6)
FNDC4 (2.1)	ENSG00000179523 (2
C2orf53 (2.0)	PMFBP1 (1.9)
CMIP (1.6)	NAT2 (1.6)
NEIL2 (1.7)	KBTBD4 (1.6)
DHX38 (2.9)	ATP13A1 (2.8)
TDH (1.8)	NEIL2 (1.8)
CYP26A1 (2.2)	FNDC4 (2.1)
APOC4 (2.2)	MLXIPL (2.2)
TRIB1 (1.5)	TIMD4 (1.5)
TMEM214 (1.8)	CASC4 (1.8)
ATG4C (1.9)	APOC1 (1.9)
NAGS (2.1)	SOST (2.0)
NAGS (1.9)	FZD9 (1.8)

RBKS (2.2)	APOC4 (2.1)
JMJD1C (2.5)	SNX17 (2.3)
PIGV (1.8)	SDCBP (1.8)
AFF1 (2.2)	TP53BP1 (2.0)
NSMAF (2.6)	DHX38 (2.5)
TAGLN (2.1)	TRNP1 (2.0)
NRBF2 (2.0)	BCL3 (2.0)
FZD9 (2.1)	NR1H3 (2.1)
ATP13A1 (2.4)	ENSG00000223745 (2
CCDC18 (2.2)	MTCH2 (2.1)
SDC1 (2.1)	KRTCAP3 (2.0)
ABCA1 (1.8)	TIMD4 (1.8)
VEGFA (1.7)	ENSG00000253379 (1
USP1 (2.5)	FEN1 (2.5)
PIGV (1.6)	SIK3 (1.6)
CYP7A1 (1.7)	TRIB1 (1.7)
NFE2L3 (2.2)	CHMP3 (2.1)
ANGPTL3 (2.2)	RBKS (2.2)
TP53BP1 (1.7)	ENSG00000255020 (1
C2orf28 (2.3)	ACP2 (2.3)
ENSG00000254235 (2	NUP160 (2.1)
CILP2 (2.1)	FADS1 (2.1)
TBL2 (2.2)	TMEM214 (2.2)
LIPC (1.6)	ENSG00000182319 (1
INTS10 (2.6)	DHX38 (2.6)
C1orf172 (2.1)	TAGLN (2.1)
ARID1A (2.5)	CELF1 (2.4)
C1QTNF4 (1.5)	PIGV (1.5)
CSGALNACT1 (1.7)	ANGPTL4 (1.7)
FUT2 (2.1)	ENSG00000253379 (2
CKAP5 (2.4)	SLC22A3 (2.3)
APOE (1.9)	F2 (1.9)
PCIF1 (2.4)	PPM1G (2.4)
TAGLN (2.2)	PVRL2 (2.2)
PTCD3 (2.9)	EIF2B4 (2.9)
ANGPTL4 (1.5)	C2orf16 (1.5)
NAT2 (1.7)	ENSG00000235545 (1
ATG4C (1.7)	RBKS (1.7)
DHODH (2.6)	LPAL2 (2.6)
TIMD4 (1.7)	ENSG00000253379 (1
HAVCR1 (2.3)	NAT2 (2.2)
NRBF2 (2.1)	FGF21 (2.0)
CITED2 (2.0)	BCL7B (1.9)
LPL (1.6)	NR1H3 (1.6)
ZNF335 (2.5)	BCL3 (2.3)
C19orf80 (2.0)	FNDC4 (1.9)
GATAD2A (2.4)	KBTBD4 (2.3)
SIDT2 (1.9)	MADD (1.9)
FUT1 (1.8)	FDFT1 (1.8)
BCL7B (2.4)	MADD (2.4)

MAU2 (1.9)	ACP2 (1.8)
SLC22A3 (1.9)	C2orf28 (1.9)
FUT2 (1.9)	FRMD5 (1.9)
NDUFS3 (2.5)	CASC4 (2.4)
NDUFS3 (2.5)	CASC4 (2.4)
NCAN (2.1)	CD300LG (2.1)
KDM3A (2.2)	ENSG00000236267 (2
DHODH (1.6)	PIGV (1.6)
KANK2 (1.9)	SLC22A1 (1.9)
SLC5A6 (2.3)	ARFGAP2 (2.3)
SLC5A6 (2.3)	ARFGAP2 (2.3)
BNC2 (2.2)	C8orf49 (2.0)
GCKR (3.5)	NAGS (3.2)
EPB41L3 (2.1)	C11orf9 (2.0)
NFE2L3 (1.8)	ANGPTL4 (1.6)
CBLC (1.8)	NAT2 (1.8)
PVRL2 (2.1)	LRP4 (2.1)
GCKR (2.6)	NAT2 (2.6)
SIDT2 (1.9)	PLTP (1.8)
TSSK6 (2.7)	C2orf28 (2.6)
PPM1G (2.4)	PCIF1 (2.4)
EMILIN1 (2.0)	CILP2 (2.0)
RASIP1 (2.1)	SDCBP (2.0)
PLTP (2.4)	NR1H3 (2.4)
RSPO3 (2.1)	ENSG00000253379 (2
ZNF335 (2.2)	ZNF513 (2.0)
LPAL2 (1.9)	AGBL2 (1.8)
ZNF408 (2.0)	GPN1 (2.0)
GALNT2 (2.2)	ABCA1 (2.0)
PIGV (2.0)	SNX17 (2.0)
REEP3 (2.2)	TRIB1 (2.0)
IGF2R (1.9)	ENSG00000256731 (1
NOP58 (2.7)	CELF1 (2.6)
NFE2L3 (1.3)	PTPN13 (1.3)
TRIB1 (2.0)	DNAH10 (2.0)
GCKR (2.0)	TM6SF2 (2.0)
C2orf16 (1.7)	SLC22A3 (1.7)
CMIP (2.0)	ARHGAP1 (1.9)
ATP13A1 (3.1)	PREB (3.1)
GPAM (1.9)	IMMT (1.8)
ATP13A1 (2.3)	USP1 (2.3)
MAFF (1.6)	LPAL2 (1.5)
BUD13 (1.5)	MAFF (1.5)
INTS10 (2.6)	PPM1G (2.6)
CTSB (1.9)	TECTB (1.6)
PPM1G (2.5)	BUD13 (2.4)
ENSG00000182319 (1	ABCA1 (1.7)
DOCK6 (2.3)	CD300LG (2.3)
MPV17 (1.9)	CLPTM1 (1.8)
BNC2 (2.0)	KDM3A (2.0)

BNC2 (2.0)	KDM3A (2.0)
REEP3 (1.9)	RFX4 (1.9)
ARID1A (2.4)	PCIF1 (2.3)
CETP (2.2)	ARHGAP1 (2.1)
MTMR9 (1.8)	DUSP3 (1.8)
CGREF1 (2.4)	ENSG00000235545 (2
KDM3A (2.0)	LPL (1.9)
C1orf172 (2.0)	CITED2 (1.9)
MPV17 (1.7)	FRMD5 (1.6)
APOE (2.5)	PLTP (2.3)
TIMD4 (1.8)	IZUMO1 (1.7)
NEIL2 (2.1)	TM6SF2 (2.1)
SDC1 (2.3)	DDB2 (2.3)
NOP58 (2.5)	NUP160 (2.4)
TMED5 (1.9)	IMMT (1.8)
KHK (1.9)	APOA1 (1.8)
NAGS (3.7)	KHK (3.4)
DOCK7 (1.7)	NRBP1 (1.6)
BCL3 (2.2)	ANGPTL4 (2.2)
BMPR2 (2.2)	RASIP1 (2.2)
SUGP1 (2.5)	PPM1G (2.4)
NAT2 (1.5)	CTSB (1.4)
CILP2 (2.2)	NAGS (2.1)
NFE2L3 (2.3)	ACP2 (2.0)
ENSG00000182319 (1	NFE2L3 (1.7)
CASC4 (2.2)	ZNF664 (2.0)
TUBGCP4 (2.1)	BMPR2 (1.9)
CGREF1 (2.2)	APOA4 (2.1)
TMEM101 (1.9)	CSGALNACT1 (1.7)
PYY (2.4)	C1QTNF4 (2.0)
IGF2R (1.9)	NR1H3 (1.9)
STRC (2.1)	DNAH10 (2.0)
PBX4 (2.2)	TECTB (2.1)
ENSG00000223745 (2	ZNF335 (2.0)
CATSPER2 (2.7)	TMEM214 (2.6)
PDIA3 (1.6)	ENSG00000223522 (1
NAGS (3.7)	ABHD1 (3.4)
NAGS (3.7)	ABHD1 (3.4)
IFT172 (2.3)	GTF3C2 (2.1)
SIDT2 (2.1)	STRC (1.9)
INTS10 (2.6)	MAU2 (2.6)
TMEM175 (1.7)	ZNF664 (1.7)
TMEM175 (1.7)	ZNF664 (1.7)
COBLL1 (1.8)	LPAL2 (1.7)
LINC00208 (1.9)	TIMD4 (1.8)
TAGLN (1.7)	MPP3 (1.7)
EMILIN1 (2.5)	IGF2R (1.9)
NR1H3 (2.4)	GCKR (2.3)
BUD13 (2.5)	SUGP1 (2.5)
BUD13 (2.5)	SUGP1 (2.5)

CCDC92 (1.8)	BRE (1.7)
SIDT2 (2.5)	TMEM214 (2.5)
ACP2 (2.4)	BCAM (2.3)
ABCA1 (1.9)	DNAH10 (1.9)
ATP13A1 (2.3)	ENSG00000223522 (2
ENSG00000223745 (2	ENSG00000256746 (2
ARID1A (2.1)	ENSG00000182319 (2
FADS2 (1.8)	FRMD5 (1.8)
ATP13A1 (2.7)	DHODH (2.6)
KLF14 (1.7)	ZNF513 (1.6)
CSGALNACT1 (1.8)	GPN2 (1.8)
MAFF (1.9)	CETP (1.9)
GATAD2A (2.5)	USP1 (2.5)
ANGPTL4 (2.4)	LPL (2.2)
CYP7A1 (2.0)	FUT2 (2.0)
FADS2 (2.4)	NRBP1 (2.1)
PAFAH1B2 (1.9)	SDCBP (1.8)
ENSG00000256746 (1	MAPK10 (1.5)
BNC2 (2.1)	IZUMO1 (1.8)
CSGALNACT1 (1.7)	CHMP3 (1.6)
ABO (1.9)	VEGFA (1.9)
RBKS (1.9)	APOA4 (1.8)
WDR76 (2.2)	CAD (2.2)
GPN1 (2.2)	NRBF2 (2.1)
PPIP5K1 (2.4)	GPAM (2.2)
GMIP (2.1)	NFE2L3 (2.0)
TSSK6 (1.9)	ENSG00000223522 (1
SLC22A1 (3.5)	ANGPTL3 (3.5)
NOP58 (2.1)	DOCK7 (2.0)
ENSG00000226645 (2	ENSG00000182319 (2
IGF2R (2.4)	SIDT2 (2.3)
ENSG00000236267 (1	TOMM40 (1.5)
ENSG00000236267 (1	TOMM40 (1.5)
NDUFS3 (2.6)	CLPTM1 (2.2)
TBL2 (3.8)	PIGV (3.1)
HARBI1 (2.1)	SDCBP (2.1)
LPL (1.6)	TP53BP1 (1.6)
CYP26A1 (1.9)	NEIL2 (1.9)
TSSK6 (1.9)	NR0B2 (1.9)
PTPN13 (2.0)	RFX4 (1.9)
DR1 (2.7)	SUPT7L (2.4)
CYP7A1 (2.1)	CCDC18 (2.1)
MAPK10 (2.1)	KLF14 (1.8)
SNX17 (1.8)	LPA (1.8)
NRBF2 (2.3)	HP (2.2)
TECTB (1.7)	RBKS (1.6)
ARHGAP1 (1.8)	PAFAH1B2 (1.7)
MAP1A (1.9)	SIK3 (1.9)
TRIB1 (2.0)	LRP4 (1.8)
SUMO1 (1.9)	UCN (1.7)

UCN (1.9)	PREB (1.9)
TIMD4 (1.9)	CLPTM1 (1.8)
TOMM40 (2.5)	ENSG00000200241 (2
ZNF664 (2.0)	CGREF1 (1.7)
PTCD3 (2.6)	SUGP1 (2.6)
HAPLN4 (2.0)	CD300LG (1.9)
SUMO1 (1.9)	BCAM (1.9)
C11orf9 (1.9)	PPM1G (1.9)
PLTP (2.0)	NFE2L3 (2.0)
LPAR2 (1.9)	IZUMO1 (1.9)
CCDC121 (1.8)	ENSG00000226645 (1
MYBPC3 (2.1)	PTPMT1 (2.0)
PYY (1.6)	ABO (1.5)
CTSB (1.8)	ZNF513 (1.8)
RBKS (2.0)	APOA4 (1.8)
RBKS (2.0)	APOA4 (1.8)
PTPRJ (1.5)	SPG11 (1.5)
DOCK7 (2.2)	PVRL2 (2.1)
NAT2 (2.0)	SLC30A3 (2.0)
ENSG00000200241 (2	IGF2R (2.3)
FNDC4 (1.5)	KRTCAP3 (1.5)
CD300LG (2.3)	MPV17 (2.1)
IMMT (1.9)	NAGS (1.8)
RSPO3 (2.1)	TMEM175 (1.9)
NFE2L3 (3.0)	CKAP5 (2.9)
AFF1 (2.7)	TBL2 (2.6)
ENSG00000256731 (1	RBKS (1.8)
CMIP (2.2)	ZNF512 (2.1)
CCDC92 (1.8)	MAP1A (1.7)
FNDC4 (1.8)	TIMD4 (1.6)
MTCH2 (2.5)	FADS2 (2.5)
PDIA3 (2.2)	GALNT2 (2.1)
MAU2 (2.2)	PGS1 (2.1)
PDIA3 (2.4)	LPL (2.0)
TMEM101 (2.0)	ZNF664 (2.0)
ATG13 (2.3)	ARHGAP1 (2.2)
SPG11 (1.7)	AGBL2 (1.7)
CTSB (1.6)	ENSG00000255020 (1
PTPN13 (2.1)	LPA (1.9)
MADD (2.5)	NSMAF (2.4)
LINC00208 (1.6)	GMIP (1.6)
CELF1 (2.0)	CD300LG (2.0)
EIF2B4 (2.4)	DHX38 (2.4)
TM6SF2 (2.4)	RBKS (2.4)
CCDC92 (1.9)	C1orf172 (1.9)
BCAM (2.1)	PTPRJ (2.0)
PTPN13 (2.0)	ATG13 (2.0)
KDM3A (1.7)	C11orf49 (1.6)
ARID1A (2.5)	NOP58 (2.5)
C8orf49 (1.7)	SUPT7L (1.6)

MLXIPL (2.8)	LPA (2.6)
TOMM40 (1.9)	PDIA3 (1.9)
USP1 (2.0)	C11orf49 (2.0)
SIDT2 (2.3)	C11orf49 (2.1)
NAGS (2.3)	KHK (2.3)
AFF1 (2.2)	PTPRJ (2.2)
ANGPTL4 (2.1)	ARFGAP2 (2.0)
VEGFA (2.2)	ENSG00000253379 (2
ENSG00000254235 (2	BNC2 (1.8)
GATAD2A (2.4)	KBTBD4 (2.3)
BCL3 (2.0)	ABCA1 (2.0)
SDC1 (2.1)	C1orf172 (2.1)
CITED2 (1.7)	LPAR2 (1.7)
ABCA1 (1.8)	PVRL2 (1.7)
ENSG00000236827 (1	C8orf12 (1.7)
LPAR2 (2.8)	SDC1 (2.7)
VEGFA (2.1)	NR0B2 (2.0)
ENSG00000182319 (2	TMED5 (2.0)
MTMR9 (1.5)	REEP3 (1.4)
KRTCAP3 (2.3)	LRP4 (2.0)
UBXN2B (2.3)	JMJD1C (2.3)
TAGLN (1.8)	FZD9 (1.8)
DOCK6 (1.7)	GATAD2A (1.6)
MTCH2 (2.3)	TBL2 (2.3)
TRIM54 (2.3)	RASIP1 (2.3)
OST4 (2.3)	TOMM40 (2.3)
PLTP (1.9)	LPA (1.9)
UCN (2.1)	TECTB (2.0)
PLA2G6 (2.2)	NUP160 (2.2)
ENSG00000223745 (2	NFE2L3 (1.9)
ENSG00000256731 (2	ENSG00000257711 (2
MPV17 (1.7)	MAPRE3 (1.7)
HAVCR1 (2.0)	CCDC121 (1.9)
C19orf80 (2.0)	FUT1 (2.0)
CLPTM1 (1.8)	STRC (1.7)
HGFAC (1.9)	MADD (1.8)
NAGS (2.5)	ABHD1 (2.3)
PCIF1 (2.5)	ARFGAP2 (2.5)
ENSG00000254235 (1	GCKR (1.7)
CMIP (2.5)	TRNP1 (2.5)
ZNF335 (1.9)	PCSK7 (1.8)
CELF1 (2.7)	CAD (2.5)
AFF1 (1.9)	GALNT2 (1.8)
POLR1A (2.9)	CKAP5 (2.8)
CITED2 (2.1)	ANGPTL3 (2.1)
CCDC121 (2.6)	NOP58 (2.5)
NSMAF (1.6)	FADS2 (1.5)
ARFGAP2 (2.2)	BMPR2 (2.1)
SUPT7L (2.3)	NOP58 (2.3)
KLF14 (1.8)	SDC1 (1.8)

CD300LG (2.1)	RASIP1 (2.1)
FRMD5 (1.7)	CKAP5 (1.7)
GMIP (2.0)	SLC22A1 (2.0)
CETP (1.6)	DDB2 (1.6)
PTCD3 (2.5)	CAD (2.3)
ZNF664 (1.9)	PTPN13 (1.9)
SDC1 (2.1)	ENSG00000253379 (1
INTS10 (2.5)	PPM1G (2.4)
GPAM (1.8)	KANK2 (1.7)
G6PC3 (1.7)	BNC2 (1.6)
PPIP5K1 (1.8)	BMPR2 (1.7)
TAGLN (1.8)	ENSG00000256746 (1
PLTP (1.8)	TIMD4 (1.8)
ANGPTL4 (1.7)	PIGV (1.6)
CMIP (2.3)	DOCK6 (2.0)
ENSG00000257711 (1	OST4 (1.5)
MAFF (1.6)	CILP2 (1.5)
EMILIN1 (1.9)	ENSG00000182319 (1
ZNF512 (2.3)	HAVCR1 (2.2)
PPIP5K1 (2.6)	APOC1 (2.5)
TBL2 (2.3)	DOCK6 (2.2)
CMIP (2.1)	DOCK6 (2.1)
SPG11 (1.8)	ENSG00000182329 (1
PTCD3 (2.3)	SLC5A6 (2.2)
PTCD3 (2.3)	SLC5A6 (2.2)
ZNF513 (2.2)	C8orf12 (2.1)
DHODH (1.8)	RASIP1 (1.8)
MPV17 (1.8)	AFF1 (1.7)
ENSG00000223745 (2	ENSG00000200241 (2
TRNP1 (2.0)	EPB41L3 (1.9)
HAVCR1 (2.1)	CILP2 (2.1)
TMEM214 (2.4)	CBLC (2.4)
SDCBP (1.9)	SNX17 (1.9)
C19orf80 (1.7)	PIGV (1.6)
ZNF513 (1.8)	GMIP (1.8)
FUT2 (2.6)	ZDHHC18 (2.6)
LPL (2.2)	IFT172 (2.1)
NFE2L3 (1.7)	PTPRJ (1.7)
REEP3 (1.8)	FADS2 (1.7)
LPL (1.7)	NCAN (1.7)
DHX38 (2.6)	PCIF1 (2.5)
ABHD1 (1.6)	ABCA1 (1.5)
LPA (2.1)	IGF2R (1.9)
LPL (1.6)	ANGPTL4 (1.6)
PTPN13 (2.3)	MAU2 (2.3)
APOC4 (2.9)	SLC22A1 (2.9)
ARID1A (2.1)	CSGALNACT1 (2.1)
MADD (2.4)	HDAC5 (2.4)
PPM1G (2.6)	GTF3C2 (2.6)
C1orf172 (1.8)	IMMT (1.7)

GPN1 (3.4)	GTF3C2 (3.2)
ENSG00000254235 (2	FUT2 (2.0)
DNAH10 (1.7)	ACP2 (1.7)
KRTCAP3 (2.4)	PVRL2 (2.4)
FDFT1 (2.9)	FADS2 (2.9)
ENSG00000254235 (1	GPAM (1.8)
MTF2 (1.9)	C8orf49 (1.9)
CYP26A1 (2.2)	RSPO3 (1.9)
CMIP (1.5)	CBLC (1.5)
OST4 (2.3)	C2orf28 (2.2)
PIGV (1.8)	ABO (1.8)
LPAR2 (2.7)	PTPN13 (2.4)
ENSG00000179523 (2	MPV17 (2.3)
NAT2 (1.8)	PLA2G6 (1.7)
LSM12 (2.4)	CAD (2.4)
BCL7B (2.2)	BCAM (2.2)
APOC4 (2.3)	NFE2L3 (2.3)
C2orf28 (2.1)	TMED5 (2.0)
ZNF335 (2.7)	SDC1 (2.6)
RIC8B (1.7)	TECTB (1.6)
CCDC92 (2.7)	CCDC121 (2.6)
BCL3 (1.8)	NFE2L3 (1.7)
NUP160 (2.1)	USP1 (2.1)
RSPO3 (1.8)	PVRL2 (1.8)
GALNT2 (2.0)	ZDHHC18 (2.0)
DUSP3 (1.8)	ENSG00000235545 (1
UCN (2.4)	SIDT2 (2.4)
TMEM101 (1.9)	PACSIN3 (1.9)
PTPN13 (1.4)	PTPMT1 (1.3)
G6PC3 (2.3)	CITED2 (2.2)
APOA1 (2.0)	CMIP (1.9)
ENSG00000253379 (2	FAM167A (2.1)
RASIP1 (2.3)	CCDC92 (2.3)
CILP2 (1.8)	LPL (1.7)
SIDT2 (2.1)	PLTP (2.0)
PACSIN3 (2.1)	MAMSTR (2.1)
NR1H3 (1.9)	GMIP (1.9)
PTCD3 (2.8)	CAD (2.7)
PPM1G (1.5)	SDC1 (1.5)
CAD (2.1)	EIF3J (2.1)
EMILIN1 (2.2)	ENSG00000234945 (2
ENSG00000182319 (1	MAFF (1.8)
MPV17 (2.0)	SNX17 (2.0)
F2 (2.5)	BCAM (2.5)
ABCA1 (1.9)	C2orf16 (1.8)
MAPRE3 (2.1)	EPB41L3 (1.9)
FZD9 (2.3)	RASIP1 (2.3)
ATP13A1 (2.6)	EIF3J (2.5)
TRIB1 (2.3)	ABO (2.2)
IZUMO1 (1.7)	UBXN2B (1.7)

ARHGAP1 (1.7)	KRTCAP3 (1.7)
TMEM214 (2.5)	MADD (2.4)
DNAH10 (1.9)	ENSG00000236827 (1
NRBF2 (1.9)	ENSG00000236267 (1
KANK2 (2.0)	MTF2 (1.9)
NR1H3 (1.9)	LPAR2 (1.8)
PTPN13 (2.0)	ENSG00000254235 (1
CATSPER2 (1.9)	GCKR (1.8)
ZNF512 (2.2)	ZNF335 (2.1)
MRPL33 (2.2)	GPN2 (2.2)
MRPL33 (2.2)	GPN2 (2.2)
FRMD5 (1.8)	PGS1 (1.7)
PTPRJ (1.8)	PAFAH1B2 (1.7)
LRP4 (1.8)	ENSG00000182319 (1
LPAL2 (2.1)	RFX4 (1.8)
DUSP3 (1.9)	ZNF408 (1.8)
BCAM (2.1)	COBLL1 (1.9)
MAPRE3 (1.8)	TRIB1 (1.7)
PLTP (1.9)	NCAN (1.7)
LPAR2 (2.5)	REEP3 (2.4)
EMILIN1 (2.4)	ANGPTL4 (2.3)
KRTCAP3 (1.7)	PTPN13 (1.6)
TRIB1 (1.8)	TMEM101 (1.8)
KHK (2.0)	SLC5A6 (2.0)
LRP4 (1.9)	UCN (1.7)
FUT1 (2.4)	SDC1 (2.4)
ENSG00000236827 (2	REEP3 (1.9)
SLC5A6 (2.6)	EIF3J (2.6)
NRBF2 (2.4)	MADD (2.4)
UCN (1.8)	NEIL2 (1.8)
GMIP (1.9)	NFE2L3 (1.9)
PMFBP1 (1.7)	PTPN13 (1.7)
TDH (2.0)	FZD9 (1.9)
NCAN (2.1)	SPG11 (2.1)
NRBF2 (2.1)	PBX4 (2.1)
ATG4C (1.9)	C19orf80 (1.6)
PPM1G (2.6)	PCIF1 (2.6)
RASIP1 (2.0)	PTPN13 (1.9)
C11orf9 (2.1)	GPAM (2.0)
SLC22A1 (3.3)	TECTB (3.0)
GTF3C2 (2.7)	USP1 (2.7)
TMEM101 (1.9)	AFF1 (1.8)
SUMO1 (1.6)	ABHD1 (1.5)
PTCD3 (2.7)	DHODH (2.6)
TSSK6 (1.9)	TMEM175 (1.9)
BRE (2.0)	SDCBP (2.0)
FAM167A (1.8)	JMJD1C (1.7)
ENSG00000236267 (2	HGFAC (2.5)
SDCBP (2.3)	GALNT2 (2.3)
LPAR2 (1.8)	ZNF408 (1.8)

GTF3C2 (1.8)	ACP2 (1.7)
VEGFA (2.1)	PVRL2 (2.0)
JMJD1C (2.1)	C1orf172 (2.0)
SUPT7L (2.0)	RSPO3 (1.9)
ANGPTL3 (2.1)	APOA5 (2.0)
AFF1 (1.9)	ZNF664 (1.7)
CAD (2.6)	DHODH (2.5)
TAGLN (2.4)	FAM167A (2.4)
PTPRJ (2.2)	PVRL2 (2.1)
NFE2L3 (1.6)	PCSK7 (1.5)
CETP (1.6)	CITED2 (1.6)
SOST (1.6)	LPL (1.6)
LSM12 (1.9)	MAPK10 (1.8)
APOB (2.3)	IGF2R (2.2)
MTCH2 (2.7)	BRE (2.4)
BUD13 (2.7)	OST4 (2.5)
C11orf9 (1.7)	C17orf105 (1.7)
COBLL1 (2.1)	IZUMO1 (2.1)
KDM3A (2.0)	ZDHHC18 (1.9)
AMBRA1 (2.3)	NOP58 (2.2)
MAPRE3 (1.9)	NCAN (1.8)
TDH (2.1)	ENSG00000255020 (2
RIC8B (1.9)	FNBP4 (1.9)
PDIA3 (2.3)	APOA4 (2.0)
PDIA3 (1.6)	BUD13 (1.6)
ENSG00000223745 (1	GPN2 (1.6)
SLC30A3 (1.6)	SLC5A6 (1.5)
GPAM (2.4)	CLPTM1 (2.3)
LRP4 (2.1)	PTPN13 (2.1)
ZDHHC18 (2.1)	ZNF335 (2.0)
ARID1A (2.6)	USP1 (2.6)
ZNF335 (2.5)	MRPL35 (2.3)
NR1H3 (1.9)	FGF21 (1.8)
ARID1A (2.2)	SUGP1 (2.2)
SDCBP (2.7)	ATG4C (2.4)
BUD13 (2.4)	OST4 (2.4)
ENSG00000182319 (2	ABCA1 (1.8)
ENSG00000236267 (1	SFN (1.6)
CBLC (2.2)	C1orf172 (2.2)
GPAM (1.9)	DOCK7 (1.9)
NOP58 (1.9)	MTCH2 (1.8)
FUT2 (2.1)	FRMD5 (2.0)
ARID1A (2.5)	CELF1 (2.4)
TMEM101 (1.8)	CGREF1 (1.8)
GPN1 (3.2)	DHX38 (3.1)
CBLC (1.5)	TRIB1 (1.5)
GALNT2 (2.0)	SIK3 (1.9)
CYP7A1 (2.0)	REEP1 (2.0)
DHX38 (2.8)	NUP160 (2.5)
ENSG00000222035 (1	G6PC3 (1.7)

PGS1 (1.8)	PAFAH1B2 (1.7)
CSGALNACT1 (1.8)	PGS1 (1.8)
MLXIPL (2.3)	APOA4 (2.1)
BRE (2.3)	INTS10 (2.3)
MAMSTR (2.1)	CITED2 (2.0)
BNC2 (2.1)	CSGALNACT1 (2.0)
ARHGAP1 (1.9)	SOST (1.9)
ZDHHC18 (1.5)	NFE2L3 (1.4)
PIGV (2.0)	VEGFA (2.0)
PTPRJ (2.0)	BCL7B (1.9)
GALNT2 (1.5)	ENSG00000253379 (1
PPIP5K1 (2.0)	CYP26A1 (1.9)
PDIA3 (2.9)	SNX17 (2.7)
REEP1 (2.1)	EPB41L3 (1.9)
FNBP4 (1.9)	NOP58 (1.8)
VEGFA (2.3)	ATG13 (2.3)
TOMM40 (2.7)	PDIA3 (2.7)
CGREF1 (2.6)	SIDT2 (2.1)
GCKR (2.0)	UCN (1.9)
GALNT2 (2.7)	PACSIN3 (2.6)
VEGFA (1.7)	CYP7A1 (1.6)
AMBRA1 (2.5)	LPA (2.3)
USP1 (2.1)	NOP58 (2.1)
GPN1 (2.3)	DHX38 (2.3)
TXNL4B (1.9)	PTPRJ (1.8)
ACP2 (2.1)	ENSG00000254235 (2
STRC (1.9)	UCN (1.9)
HGFAC (2.3)	FUT2 (2.2)
SLC5A6 (1.7)	VEGFA (1.7)
ARFGAP2 (2.6)	TMEM214 (2.6)
TMEM101 (3.2)	ATP13A1 (3.2)
MAPK10 (2.6)	MPP2 (2.6)
CGREF1 (2.0)	LPAL2 (1.8)
NFE2L3 (1.9)	CTSB (1.7)
PTCD3 (2.0)	ATP13A1 (2.0)
ATP13A1 (3.3)	PTCD3 (3.2)
PGS1 (1.8)	C17orf105 (1.8)
CLPTM1 (2.1)	C8orf49 (1.9)
CTDSPL2 (2.3)	ARID1A (2.2)
FUT2 (1.9)	CBLC (1.9)
BUD13 (1.8)	NEIL2 (1.7)
BNC2 (2.1)	IGF2R (2.0)
STRC (2.2)	CYP7A1 (2.1)
ATG13 (2.7)	TMEM101 (2.7)
BAZ1B (2.1)	ENSG00000235545 (2
C2orf28 (1.8)	MPP2 (1.8)
MLXIPL (1.8)	ENSG00000226645 (1
PACSIN3 (1.9)	CBLC (1.9)
CD300LG (2.0)	SDCBP (1.9)
IGF2R (1.9)	PLTP (1.8)

RBKS (2.1)	KBTBD4 (2.0)
ENSG00000223522 (1	PTCD3 (1.7)
CTSB (1.8)	PTCD3 (1.8)
SFN (2.4)	RIC8B (2.3)
ENSG00000253379 (2	C11orf9 (2.1)
ACP2 (1.9)	BNC2 (1.9)
PCSK7 (1.8)	ZNF335 (1.8)
NR1H3 (1.8)	AFF1 (1.8)
BCL3 (1.9)	IZUMO1 (1.8)
INTS10 (2.1)	USP1 (2.0)
CCDC92 (1.9)	NRBP1 (1.8)
ZDHHC18 (1.7)	ABCA1 (1.6)
ZDHHC18 (1.7)	ABCA1 (1.6)
GALNT2 (1.8)	ZNF408 (1.7)
SUPT7L (1.8)	DNAH10 (1.7)
ZNF513 (1.9)	KLF14 (1.7)
CMIP (2.0)	GALNT2 (1.9)
PCIF1 (1.9)	ENSG00000226645 (1
PACSIN3 (2.0)	GATA4 (1.9)
DOCK7 (2.4)	GTF3C2 (2.4)
ATP13A1 (2.3)	ATG13 (2.3)
NSMAF (1.9)	SLC5A6 (1.8)
EIF3J (2.9)	DHX38 (2.8)
EIF3J (2.9)	DHX38 (2.8)
EIF3J (2.9)	DHX38 (2.8)
AGBL2 (1.9)	ACP2 (1.9)
GATAD2A (2.1)	EIF2B4 (2.1)
GATAD2A (2.1)	EIF2B4 (2.1)
GATAD2A (2.1)	EIF2B4 (2.1)
REEP3 (1.5)	CITED2 (1.5)
POLR1A (2.8)	PTCD3 (2.7)
KANK2 (2.0)	CD300LG (2.0)
MFAP1 (2.1)	TMED5 (2.0)
PLA2G6 (1.7)	SDCBP (1.6)
DHODH (2.9)	PTCD3 (2.8)
PTPRJ (2.3)	MFAP1 (2.1)
HDAC5 (1.8)	BUD13 (1.8)
STRC (2.0)	C19orf80 (2.0)
ENSG00000222035 (2	ABHD1 (2.2)
CAD (3.0)	DHX38 (2.9)
LRP4 (1.9)	ENSG00000254235 (1
HDAC5 (1.8)	CD300LG (1.7)
PTCD3 (2.9)	ATP13A1 (2.8)
TOMM40 (3.1)	EIF2B4 (3.0)
MTMR9 (2.4)	LPAR2 (2.4)
TP53BP1 (2.3)	SUPT7L (2.3)
DHODH (2.6)	GPN2 (2.4)
LPAR2 (2.3)	DUSP3 (2.2)
RASIP1 (1.9)	ENSG00000222035 (1
IMMT (2.2)	ZNF335 (2.0)

FNDC4 (1.9)	UCN (1.9)
CETP (2.2)	NCAN (2.2)
CAD (2.9)	DHODH (2.8)
HAVCR1 (2.1)	FZD9 (2.0)
PMFBP1 (1.3)	FUT2 (1.3)
AGBL2 (2.0)	ENSG00000223522 (2
PPM1G (2.5)	DHX38 (2.3)
ZNF259 (2.8)	SPG11 (2.6)
BUD13 (2.2)	ENSG00000253379 (2
BUD13 (2.2)	ENSG00000253379 (2
BUD13 (2.2)	ENSG00000253379 (2
BUD13 (2.2)	ENSG00000253379 (2
MRPL35 (2.8)	CAD (2.8)
MPV17 (2.0)	C2orf16 (1.9)
ABO (1.8)	NRBF2 (1.8)
BCL7B (1.6)	REEP3 (1.6)
ABHD1 (2.4)	APOC1 (2.4)
ZNF512 (1.7)	LIPC (1.7)
MYBPC3 (2.2)	CLPTM1 (2.1)
PDIA3 (2.3)	DNAJC5G (2.2)
SNX17 (2.0)	LINC00208 (1.9)
ABCA1 (2.1)	RSPO3 (2.1)
ENSG00000236827 (2	ENSG00000255020 (2
CCDC121 (1.9)	TMEM101 (1.8)
DOCK6 (1.7)	CLPTM1 (1.6)
EIF2B4 (2.2)	EIF3J (2.2)
STRC (2.0)	PLTP (1.8)
GATAD2A (2.2)	MAU2 (2.2)
GPN1 (2.8)	KDM3A (2.8)
ENSG00000223745 (2	CASC4 (1.8)
RBKS (1.7)	CATSPER2 (1.7)
LRP4 (1.8)	FZD9 (1.7)
ENSG00000223522 (2	TMEM214 (2.4)
KANK2 (2.0)	REEP3 (2.0)
HAVCR1 (1.6)	DUSP3 (1.6)
C11orf9 (1.9)	EMILIN1 (1.9)
BUD13 (2.5)	ZNF335 (2.3)
IGF2R (2.2)	FAM167A (2.1)
NSMAF (1.6)	GMIP (1.5)
PPM1G (2.4)	NUP160 (2.4)
FUT2 (2.6)	NR1H3 (2.5)
BUD13 (3.0)	DOCK7 (3.0)
MTMR9 (1.6)	ENSG00000226645 (1
APOE (2.0)	ENSG00000222035 (1
ARID1A (2.0)	CMIP (2.0)
GPN1 (2.4)	EIF2B4 (2.3)
NRBP1 (1.8)	HGFAC (1.7)
CMIP (2.4)	ENSG00000182319 (2
SIDT2 (2.3)	CGREF1 (2.2)
PPIP5K1 (2.1)	UBXN2B (2.0)

CELF1 (2.2)	C11orf9 (2.2)
ENSG00000236267 (1	LIPC (1.6)
ATG4C (1.8)	CMIP (1.8)
HAVCR1 (1.8)	COBLL1 (1.8)
ENSG00000182319 (2	LPAR2 (2.4)
ENSG00000235545 (2	NR1H3 (1.7)
ATG13 (3.0)	PTPMT1 (2.9)
ARID1A (2.5)	DR1 (2.5)
BCL3 (1.7)	FGF21 (1.7)
CAD (3.2)	DHODH (3.1)
NUP160 (2.5)	PCIF1 (2.5)
CYP26A1 (2.3)	IGF2R (2.3)
LPAL2 (3.2)	GCKR (2.9)
DHX38 (2.7)	CAD (2.6)
ZNF335 (1.9)	PAFAH1B2 (1.8)
CETP (1.8)	GALNT2 (1.7)
DHX38 (1.9)	PCIF1 (1.8)
ZDHHC18 (1.9)	CTSB (1.9)
CYP26A1 (2.3)	BCAM (2.3)
IGF2R (1.9)	MAU2 (1.9)
GATAD2A (1.9)	TRIB1 (1.8)
FZD9 (1.9)	TBL2 (1.8)
ENSG00000182329 (2	PVRL2 (2.2)
EIF3J (2.5)	SUGP1 (2.4)
FZD9 (1.9)	ENSG00000257711 (1
ZNF513 (1.7)	GATA4 (1.7)
CD300LG (1.8)	GALNT2 (1.8)
CETP (1.7)	IZUMO1 (1.7)
EIF2B4 (2.0)	SUPT7L (2.0)
CCDC121 (2.2)	APOC1 (2.0)
APOC1 (2.1)	ENSG00000182319 (2
EIF3J (2.9)	EIF2B4 (2.9)
PACSIN3 (2.7)	PTPN13 (2.7)
C2orf28 (2.5)	CLPTM1 (2.4)
APOE (2.0)	LIPC (1.9)
ACP2 (2.1)	ENSG00000182329 (2
TRIB1 (1.6)	MTF2 (1.5)
EIF3J (3.0)	PTCD3 (3.0)
C2orf16 (1.8)	ENSG00000182319 (1
PPM1G (2.7)	EIF2B4 (2.7)
ZNF408 (3.0)	PTCD3 (2.7)
GATAD2A (2.0)	PVRL2 (1.8)
PMFBP1 (1.7)	FUT1 (1.7)
FAM167A (1.9)	ARHGAP1 (1.9)
NOP58 (2.7)	KBTBD4 (2.7)
WDR76 (2.0)	SLC5A6 (2.0)
TMEM101 (2.0)	NAGS (1.9)
EIF3J (2.6)	ATP13A1 (2.5)
PTPN13 (2.4)	REEP3 (2.2)
PDIA3 (2.7)	PTPMT1 (2.7)

CILP2 (2.2)	PTPRJ (2.1)
ENSG00000236267 (2	NRBP1 (2.1)
ENSG00000236267 (2	NRBP1 (2.1)
PTPRJ (1.7)	NSMAF (1.6)
ARID1A (2.4)	KBTBD4 (2.3)
MAP1A (1.8)	BRE (1.8)
ENSG00000257711 (1	FRMD5 (1.8)
TOMM40 (2.2)	TMEM101 (2.0)
GMIP (2.1)	MADD (2.0)
ANGPTL4 (1.7)	ENSG00000256731 (1
PDIA3 (2.4)	GPN1 (2.4)
CYP7A1 (2.2)	ABHD1 (2.2)
TBL2 (3.1)	POLR1A (2.9)
PPM1G (2.5)	IMMT (2.3)
FAM167A (2.1)	ENSG00000222035 (2
BMPR2 (1.9)	ARID1A (1.9)
CTSB (2.0)	TMEM175 (2.0)
SFN (2.0)	APOC1 (1.9)
NRBP1 (2.1)	ARFGAP2 (2.0)
ENSG00000182319 (2	PACSIN3 (1.9)
C1QTNF4 (1.6)	IGF2R (1.4)
PVRL2 (2.0)	PYY (1.9)
C2orf28 (2.5)	ENSG00000223745 (2
CTSB (1.7)	BLK (1.6)
ZNF408 (1.8)	MTF2 (1.8)
DOCK7 (2.0)	SDC1 (2.0)
MAFF (1.9)	ABHD1 (1.8)
C1orf172 (1.8)	KANK2 (1.7)
ARID1A (1.8)	CSGALNACT1 (1.6)
SOST (2.2)	DHX38 (2.2)
HGFAC (1.6)	RSPO3 (1.6)
ENSG00000255020 (2	TM6SF2 (2.3)
CCDC92 (1.6)	PTPN13 (1.5)
CMIP (2.1)	C17orf105 (2.0)
EIF2B4 (2.1)	GTF3C2 (1.9)
PTPN13 (2.1)	ZNF513 (2.1)
PREB (2.9)	SNX17 (2.8)
TOMM40 (1.9)	PPM1G (1.8)
MLXIPL (1.7)	FADS2 (1.7)
MYBPC3 (2.3)	CD300LG (2.3)
PCSK7 (1.7)	AFF1 (1.7)
PPIP5K1 (1.9)	SIDT2 (1.9)
IGF2R (1.7)	ACP2 (1.7)
DHODH (2.8)	GPN2 (2.7)
FUT2 (1.7)	JMJD1C (1.6)
ARHGAP1 (1.7)	CMIP (1.7)
JMJD1C (2.0)	MAPRE3 (2.0)
CITED2 (2.2)	DOCK7 (2.2)
PVRL2 (2.1)	SIDT2 (2.1)
TMEM175 (2.2)	HDAC5 (2.1)

SUPT7L (2.2)	BUD13 (2.2)
KLF14 (1.9)	ENSG00000255020 (1
BCAM (1.8)	KRTCAP3 (1.6)
ENSG00000226645 (2	RIC8B (2.6)
BMPR2 (2.0)	PACSIN3 (2.0)
TIMD4 (1.8)	BCL3 (1.7)
GTF3C2 (2.6)	ZNF512 (2.5)
CMIP (1.9)	ENSG00000182319 (1
FUT1 (2.0)	CETP (1.8)
ENSG00000253379 (2	SDC1 (2.0)
SNX17 (1.9)	TIMD4 (1.8)
PPM1G (2.5)	NUP160 (2.5)
LPAR2 (1.9)	GATAD2A (1.9)
TUBGCP4 (1.9)	CD300LG (1.8)
CHMP3 (1.7)	MPV17 (1.7)
LSM12 (1.6)	DOCK7 (1.6)
HARBI1 (1.9)	NAT2 (1.9)
MAPK10 (1.9)	SLC22A1 (1.9)
ENSG00000254235 (1	ENSG00000182319 (1
BNC2 (2.0)	SPG11 (1.9)
NRBF2 (2.2)	GATAD2A (2.2)
MRPL35 (2.4)	PTPMT1 (2.3)
PACSIN3 (2.4)	TBL2 (2.3)
FNBP4 (2.0)	BAZ1B (1.9)
TBL2 (1.9)	ABHD1 (1.9)
SFN (1.7)	FUT2 (1.7)
GATA4 (1.9)	TAGLN (1.9)
CD300LG (2.0)	HP (2.0)
DHODH (2.6)	PPM1G (2.6)
MRPL35 (1.6)	CLPTM1 (1.6)
CCDC92 (2.1)	MAPRE3 (2.1)
DR1 (2.7)	USP1 (2.7)
FDFT1 (1.9)	PLA2G6 (1.6)
GMIP (2.0)	ANGPTL4 (1.9)
TMED5 (1.7)	CTSB (1.7)
NRBP1 (1.7)	VEGFA (1.7)
AMBRA1 (1.8)	TDH (1.8)
PTPMT1 (2.4)	GTF3C2 (2.3)
ATG4C (1.9)	HAVCR1 (1.9)
CITED2 (1.6)	G6PC3 (1.6)
IFT172 (1.8)	FAM167A (1.8)
REEP1 (1.6)	TECTB (1.5)
KHK (2.8)	ABHD1 (2.7)
JMJD1C (2.1)	DPYSL5 (2.0)
OST4 (1.8)	REEP3 (1.7)
EIF2B4 (2.8)	DHX38 (2.7)
SUGP1 (2.4)	GPN1 (2.4)
GPN2 (2.3)	ZNF259 (2.3)
GPN2 (2.3)	ZNF259 (2.3)
GPN2 (2.3)	ZNF259 (2.3)

ENSG00000257711 (1	ABCA1 (1.6)
ZNF408 (2.4)	MADD (2.4)
POLR1A (2.2)	DHODH (2.1)
PCSK7 (2.0)	EPB41L3 (1.8)
PCSK7 (2.0)	EPB41L3 (1.8)
CKAP5 (1.9)	PTPN13 (1.8)
DHX38 (2.8)	EIF2B4 (2.8)
NRBP1 (1.7)	CITED2 (1.6)
NRBP1 (1.7)	CITED2 (1.6)
PTCD3 (1.8)	HDAC5 (1.8)
TMED5 (2.5)	PLTP (2.4)
SFN (1.8)	LPAR2 (1.8)
CETP (1.6)	G6PC3 (1.6)
UCN (2.0)	MAPK10 (2.0)
DHODH (2.9)	DHX38 (2.7)
KDM3A (2.2)	JMJD1C (2.0)
TAGLN (2.1)	CBLC (1.9)
SIK3 (1.9)	RBKS (1.9)
FZD9 (2.1)	BCAM (2.0)
CETP (1.7)	SIDT2 (1.6)
CTDSPL2 (2.7)	CKAP5 (2.5)
UBXN2B (2.4)	PLTP (2.3)
NUP160 (2.8)	ATP13A1 (2.7)
FEN1 (2.7)	OST4 (2.6)
NAGS (2.1)	APOC3 (2.1)
GALNT2 (2.6)	TMEM214 (2.5)
PTCD3 (2.8)	SLC5A6 (2.3)
APOA4 (2.1)	REEP1 (2.1)
ENSG00000223745 (2	C2orf28 (2.1)
REEP3 (2.0)	PLTP (1.8)
DUSP3 (2.0)	ENSG00000182319 (2
PDIA3 (2.4)	TBL2 (2.3)
CETP (1.8)	TIMD4 (1.7)
GTF3C2 (3.0)	GPN2 (2.9)
FGF21 (1.5)	MRPL33 (1.5)
MTCH2 (2.4)	TBL2 (2.4)
MYBPC3 (2.3)	PVRL2 (2.1)
GPN2 (2.7)	PPM1G (2.3)
NR1H3 (2.0)	NEIL2 (2.0)
SUGP1 (1.7)	SOST (1.6)
MTF2 (2.7)	CELF1 (2.6)
ENSG00000234945 (1	FAM167A (1.6)
ABCA1 (2.1)	CETP (2.0)
ABCA1 (2.1)	CETP (2.0)
BCAM (1.7)	ENSG00000257711 (1
APOA1 (1.8)	ENSG00000223522 (1
RIC8B (2.0)	FAM167A (1.9)
CYP26A1 (2.2)	APOE (2.1)
GPAM (1.8)	FUT2 (1.8)
DOCK6 (2.0)	ATG4C (2.0)

ENSG00000236267 (1	ANGPTL4 (1.6)
TIMD4 (1.7)	NAT2 (1.7)
EMILIN1 (1.9)	ANGPTL4 (1.8)
NUP160 (2.5)	INTS10 (2.5)
VEGFA (2.0)	MPP2 (1.8)
C19orf80 (2.1)	CMIP (2.0)
HAPLN4 (1.6)	APOB (1.6)
FEN1 (2.4)	DHX38 (2.3)
PTCD3 (2.5)	DHX38 (2.4)
LSM12 (2.3)	BUD13 (2.2)
TUBGCP4 (1.8)	MAPRE3 (1.8)
CLPTM1 (2.4)	TMEM214 (2.4)
KRTCAP3 (1.9)	NFE2L3 (1.8)
CAD (2.3)	DHX38 (2.3)
C2orf53 (1.9)	ENSG00000236827 (1
SNX17 (2.1)	UBXN2B (2.1)
CSGALNACT1 (2.0)	ENSG00000257711 (1
CGREF1 (2.0)	PREB (1.9)
MAU2 (2.1)	CD300LG (2.0)
LPL (1.8)	JMJD1C (1.8)
RSPO3 (2.2)	PGS1 (1.7)
GATAD2A (1.9)	LIPC (1.8)
FZD9 (2.4)	PVRL2 (2.3)
EIF3J (2.9)	GPN2 (2.8)
APOE (1.7)	PCSK7 (1.7)
FDFT1 (1.9)	HDAC5 (1.9)
MAFF (2.1)	PCIF1 (2.0)
CCDC92 (2.1)	TSSK6 (2.0)
G6PC3 (1.9)	VEGFA (1.8)
PCIF1 (2.5)	MFAP1 (2.4)
C2orf28 (2.1)	GALNT2 (2.0)
MAFF (2.0)	PREB (1.7)
TOMM40 (3.0)	EIF3J (3.0)
BNC2 (1.8)	FNDC4 (1.8)
GALNT2 (3.1)	G6PC3 (2.9)
DNAH10 (1.8)	RFX4 (1.8)
REEP1 (2.0)	MLXIPL (1.9)
CCDC18 (1.5)	PTPMT1 (1.3)
ZNF512 (1.8)	CATSPER2 (1.8)
ACP2 (2.1)	DDB2 (1.8)
PACSIN3 (2.4)	ZNF664 (2.4)
ABCA1 (1.8)	C11orf9 (1.7)
MPP3 (1.6)	PGS1 (1.6)
USP1 (2.7)	BUD13 (2.6)
LINC00208 (1.9)	DOCK7 (1.9)
PPM1G (2.4)	NUP160 (2.3)
CSGALNACT1 (2.1)	MYBPC3 (1.9)
HDAC5 (2.0)	EMILIN1 (1.9)
CMIP (2.4)	FRMD5 (2.3)
CAD (2.3)	GPN1 (2.2)

C2orf53 (2.2)	NAGS (2.1)
SLC5A6 (1.7)	GMIP (1.6)
ENSG00000200241 (2	UCN (2.1)
SIDT2 (2.1)	IGF2R (2.1)
LPAR2 (1.9)	NAGS (1.9)
LRP4 (2.1)	PIGV (1.9)
MAFF (2.0)	BUD13 (2.0)
EIF3J (2.8)	CAD (2.7)
LPL (1.9)	RSPO3 (1.8)
SIDT2 (2.4)	APOA4 (2.3)
SUGP1 (1.8)	BAZ1B (1.8)
KBTBD4 (1.9)	NR1H3 (1.9)
KBTBD4 (1.9)	NR1H3 (1.9)
KHK (1.8)	ATG4C (1.8)
IZUMO1 (2.5)	BNC2 (2.2)
ENSG00000256746 (1	IZUMO1 (1.8)
CGREF1 (1.8)	BMPR2 (1.8)
BCL3 (1.6)	FUT2 (1.6)
LPL (2.1)	DNAJC5G (2.1)
MLXIPL (1.9)	NCAN (1.9)
FUT1 (1.9)	CITED2 (1.7)
FADS1 (2.4)	FNDC4 (2.3)
GATAD2A (1.8)	ENSG00000200241 (1
APOA4 (2.0)	NR0B2 (1.9)
TUBGCP4 (2.6)	G6PC3 (2.5)
KLF14 (2.5)	ANGPTL4 (2.2)
MPP3 (1.9)	DNAJC5G (1.8)
APOC1 (1.5)	IFT172 (1.5)
DNAJC5G (1.8)	FRMD5 (1.8)
PPM1G (2.1)	GTF3C2 (2.0)
CTSB (2.3)	APOC3 (2.2)
GALNT2 (2.7)	ARHGAP1 (2.6)
TRNP1 (2.6)	FRMD5 (2.5)
PTPRJ (1.8)	ENSG00000200241 (1
CETP (1.6)	PDIA3 (1.6)
FNDC4 (1.8)	CITED2 (1.7)
FZD9 (2.2)	SPG11 (2.2)
BAZ1B (2.1)	ENSG00000182319 (2
CCDC18 (2.3)	ABO (2.3)
BUD13 (2.6)	FEN1 (2.5)
POLR1A (2.0)	IMMT (1.9)
APOC4 (2.2)	HGFAC (2.1)
CETP (2.2)	ABHD1 (2.1)
GPN1 (2.6)	DHODH (2.5)
CASC4 (2.1)	C1orf172 (2.1)
CD300LG (2.3)	ENSG00000253379 (2
BCL7B (2.6)	MTCH2 (2.3)
G6PC3 (2.4)	PCSK7 (2.4)
CSGALNACT1 (1.9)	DOCK6 (1.9)
FUT1 (2.3)	APOE (2.1)

LINC00208 (2.3)	TMED5 (2.3)
DHX38 (2.1)	ARFGAP2 (2.1)
BUD13 (1.8)	DR1 (1.7)
BUD13 (1.8)	DR1 (1.7)
BUD13 (1.8)	DR1 (1.7)
BUD13 (1.8)	DR1 (1.7)
PREB (1.6)	NEIL2 (1.6)
FRMD5 (2.3)	REEP3 (2.1)
TUBGCP4 (1.9)	TBL2 (1.9)
CD300LG (1.8)	PGS1 (1.7)
TXNL4B (1.8)	PACSIN3 (1.8)
DNAH10 (2.2)	GATA4 (2.2)
TMED5 (2.0)	SPG11 (2.0)
LIPC (1.7)	FAM167A (1.7)
ENSG00000256746 (2	CSGALNACT1 (2.0)
SDCBP (1.6)	MADD (1.6)
IGF2R (2.1)	MAP1A (2.1)
PREB (2.5)	PPM1G (2.3)
APOC1 (2.0)	MPP3 (2.0)
LPL (2.0)	CASC4 (1.9)
DHODH (2.6)	GPN2 (2.3)
MPP2 (2.2)	KLF14 (1.9)
STRC (1.5)	DNAJC5G (1.5)
PTCD3 (3.0)	GPN1 (2.8)
CILP2 (1.9)	CSGALNACT1 (1.8)
ZNF512 (2.7)	GTF3C2 (2.6)
DHX38 (2.8)	SUGP1 (2.7)
SDCBP (1.9)	GMIP (1.8)
AGBL5 (1.9)	ZNF335 (1.9)
BRE (1.5)	ZNF259 (1.5)
TRNP1 (2.1)	SDC1 (2.0)
ANGPTL4 (1.8)	CITED2 (1.7)
NEIL2 (1.7)	GPN2 (1.6)
SUMO1 (2.2)	DNAJC5G (2.1)
IGF2R (2.3)	DOCK6 (2.3)
ENSG00000236827 (1	ABHD1 (1.6)
ENSG00000254235 (2	PTPN13 (1.9)
CAD (2.3)	NSMAF (2.2)
TSSK6 (2.1)	FUT1 (2.0)
FRMD5 (2.3)	TRNP1 (2.1)
RSPO3 (2.3)	VEGFA (2.3)
CYP7A1 (1.9)	NAGS (1.9)
C1QTNF4 (2.1)	CCDC92 (2.1)
SIK3 (1.8)	CSGALNACT1 (1.7)
ARFGAP2 (2.5)	ENSG00000223745 (2
CHMP3 (2.0)	ATG13 (2.0)
POLR1A (2.3)	PPIP5K1 (2.2)
DOCK7 (1.7)	JMJD1C (1.7)
GPN2 (2.4)	TMEM101 (2.4)
NUP160 (2.1)	EIF2B4 (2.1)

DHX38 (3.0)	EIF3J (2.9)
TUBGCP4 (1.7)	TECTB (1.6)
ENSG00000255020 (1	MAP1A (1.7)
TIMD4 (2.0)	GALNT2 (2.0)
COBLL1 (1.8)	FRMD5 (1.7)
PVRL2 (2.0)	CELF1 (2.0)
MPP2 (2.3)	CSGALNACT1 (2.1)
LSM12 (2.4)	NUP160 (2.4)
IZUMO1 (2.0)	ABHD1 (1.9)
NSMAF (2.1)	NFE2L3 (2.0)
CILP2 (1.9)	LRP4 (1.8)
MRPL35 (2.6)	DHX38 (2.5)
APOC4 (2.0)	RBKS (2.0)
FUT2 (1.9)	ZNF664 (1.8)
CTSB (1.8)	EPB41L3 (1.8)
CTSB (1.8)	EPB41L3 (1.8)
ABO (1.9)	ZNF513 (1.8)
GPN2 (2.7)	BUD13 (2.7)
DHODH (2.6)	PREB (2.2)
CTSB (1.9)	DOCK7 (1.9)
CAD (2.2)	IMMT (2.2)
PVRL2 (1.9)	NR1H3 (1.8)
TBL2 (1.9)	CTSB (1.6)
BUD13 (2.3)	UBXN2B (2.2)
CATSPER2 (2.3)	ENSG00000256731 (2
LINC00208 (1.7)	EMILIN1 (1.6)
AMBRA1 (2.1)	SPG11 (2.0)
NAT2 (3.0)	CGREF1 (2.9)
SLC22A1 (2.1)	CETP (2.0)
PCIF1 (2.7)	POLR1A (2.6)
LSM12 (2.5)	TP53BP1 (2.4)
TOMM40 (2.4)	NOP58 (2.3)
MAFF (2.2)	CTDSPL2 (2.1)
TRIM54 (2.2)	ATG13 (2.0)
LPL (1.8)	CYP26A1 (1.8)
TP53BP1 (2.5)	AGBL5 (2.5)
MAPK10 (2.2)	NCAN (2.2)
NR1H3 (1.9)	ZDHHC18 (1.8)
SIDT2 (2.2)	MTMR9 (2.2)
C1orf172 (1.9)	ENSG00000223745 (1
ARFGAP2 (2.5)	USP1 (2.5)
IGF2R (2.2)	DOCK7 (2.2)
DOCK6 (2.1)	BCAM (2.0)
MFAP1 (2.4)	DHX38 (2.3)
RASIP1 (2.0)	NAGS (2.0)
NRBF2 (1.7)	ZNF512 (1.6)
HAPLN4 (1.8)	PIGV (1.8)
F2 (2.3)	APOC3 (2.3)
HAVCR1 (1.9)	MPP3 (1.9)
ENSG00000254235 (1	SIK3 (1.8)

LRP4 (1.8)	BNC2 (1.7)
CILP2 (1.9)	SIDT2 (1.8)
ZNF335 (1.8)	ARHGAP1 (1.8)
EPB41L3 (1.8)	FAM167A (1.7)
CD300LG (2.0)	MAU2 (2.0)
PYY (2.1)	MAFF (2.1)
GATAD2A (2.5)	AFF1 (2.5)
ENSG00000182319 (2	NAT2 (2.0)
REEP1 (2.1)	C8orf49 (2.1)
CYP26A1 (1.9)	SIDT2 (1.9)
FNBP4 (2.0)	CKAP5 (1.9)
GATAD2A (2.0)	KANK2 (2.0)
TP53BP1 (2.7)	CELF1 (2.5)
ENSG00000254235 (2	NOP58 (2.3)
BMPR2 (2.5)	AFF1 (2.1)
NUP160 (3.0)	EIF3J (3.0)
BAZ1B (2.5)	ZNF512 (2.5)
CAD (2.0)	RFX4 (1.9)
PIGV (2.2)	CLPTM1 (2.1)
STRC (1.7)	KLF14 (1.6)
REEP3 (1.9)	G6PC3 (1.9)
PGS1 (1.7)	FUT2 (1.7)
NRBF2 (2.0)	LPAR2 (2.0)
C2orf16 (1.7)	DNAH10 (1.7)
EIF2B4 (2.9)	SUGP1 (2.7)
SLC22A1 (2.1)	APOC3 (2.0)
FUT1 (2.4)	CHMP3 (2.4)
CGREF1 (2.0)	COBLL1 (1.9)
ENSG00000179523 (2	ENSG00000182319 (1
KHK (2.2)	TBL2 (2.2)
ZDHHC18 (1.5)	TIMD4 (1.4)
PVRL2 (1.4)	AGBL2 (1.4)
CLPTM1 (1.8)	TOMM40 (1.8)
CTDSPL2 (2.4)	C2orf28 (2.2)
CELF1 (2.4)	NUP160 (2.4)
CGREF1 (1.8)	KLF14 (1.7)
CLPTM1 (1.8)	FNBP4 (1.8)
ARID1A (2.4)	SUGP1 (2.4)
ENSG00000179523 (1	AGBL5 (1.7)
GPN1 (2.5)	TMED5 (2.5)
KHK (2.6)	DUSP3 (2.4)
MAPK10 (1.9)	UBXN2B (1.8)
EMILIN1 (2.1)	RFX4 (1.8)
AMBRA1 (1.6)	ABO (1.6)
NUP160 (2.5)	INTS10 (2.4)
PVRL2 (2.1)	ENSG00000256746 (2
UBXN2B (1.7)	DPYSL5 (1.6)
LPA (2.8)	CETP (2.7)
POLR1A (2.7)	TP53BP1 (2.5)
DHODH (2.7)	NUP160 (2.5)

SDC1 (2.7)	ENSG00000182319 (2
STRC (2.4)	ENSG00000254235 (2
GPN2 (3.1)	SUGP1 (2.7)
CD300LG (1.7)	SLC22A3 (1.7)
GATA4 (2.0)	WDR76 (1.8)
DHODH (3.2)	EIF2B4 (3.1)
BUD13 (2.7)	KDM3A (2.6)
KANK2 (1.8)	PACSIN3 (1.7)
MPP3 (2.2)	ACP2 (2.1)
PGS1 (2.0)	NRBP1 (1.9)
BCL7B (2.0)	PCIF1 (1.9)
FZD9 (2.2)	ZNF259 (2.1)
BUD13 (2.1)	ENSG00000254235 (2
ARHGAP1 (1.9)	ARID1A (1.8)
CMIP (2.6)	C11orf49 (2.6)
STRC (2.4)	CILP2 (2.4)
LSM12 (1.8)	MLXIPL (1.8)
PREB (2.4)	ARFGAP2 (2.3)
CAD (2.7)	ATP13A1 (2.5)
PPM1G (2.8)	ZNF512 (2.8)
TECTB (2.2)	DPYSL5 (2.2)
FGF21 (1.7)	C2orf16 (1.7)
PLA2G6 (1.9)	MTMR9 (1.8)
TP53BP1 (1.7)	PACSIN3 (1.7)
ENSG00000236267 (2	RBKS (2.0)
SNX17 (2.3)	PTCD3 (2.3)
TMEM175 (2.2)	RFX4 (2.1)
ZNF335 (2.2)	MAPRE3 (2.1)
PAFAH1B2 (2.2)	MRPL35 (2.1)
SOST (2.3)	ENSG00000253379 (2
FADS1 (1.9)	EMILIN1 (1.9)
RBKS (1.9)	LRP4 (1.9)
BUD13 (2.2)	LSM12 (2.0)
ARHGAP1 (2.6)	KBTBD4 (2.6)
LRP4 (2.0)	LPL (1.9)
PIGV (2.8)	TMED5 (2.7)
NRBP1 (1.7)	FRMD5 (1.6)
PACSIN3 (2.0)	DUSP3 (1.9)
CCDC18 (1.7)	NSMAF (1.7)
IFT172 (2.4)	TBL2 (2.4)
KDM3A (2.0)	RFX4 (2.0)
BNC2 (2.0)	TAGLN (1.9)
ATP13A1 (2.8)	GPN1 (2.6)
FNDC4 (2.0)	UCN (1.8)
GPN1 (2.9)	EIF2B4 (2.6)
ANGPTL4 (2.1)	PGS1 (2.1)
USP1 (1.9)	SUPT7L (1.8)
FZD9 (1.9)	BNC2 (1.8)
C1QTNF4 (1.9)	TSSK6 (1.9)
DUSP3 (1.9)	MYBPC3 (1.6)

PIGV (1.6)	PYY (1.5)
APOC3 (2.0)	EMILIN1 (1.9)
CETP (1.5)	REEP3 (1.5)
PTPMT1 (1.9)	NR0B2 (1.9)
PTPN13 (2.2)	FAM167A (2.2)
TMEM175 (1.9)	ZNF664 (1.8)
SLC5A6 (1.6)	HARBI1 (1.6)
IMMT (1.9)	GPN1 (1.8)
MAPK10 (2.0)	FZD9 (1.7)
TRNP1 (1.9)	HAPLN4 (1.9)
EPB41L3 (1.8)	PCSK7 (1.8)
SDC1 (2.5)	REEP3 (2.2)
DHODH (2.9)	PPM1G (2.7)
DOCK7 (1.9)	FNDC4 (1.9)
SUPT7L (1.9)	MTMR9 (1.9)
NUP160 (2.7)	PTCD3 (2.4)
SUPT7L (2.9)	POLR1A (2.8)
CAD (3.0)	DHX38 (2.8)
MAU2 (1.4)	BRE (1.4)
ENSG00000254235 (2	BUD13 (1.9)
GTF3C2 (2.4)	PCIF1 (2.3)
PVRL2 (1.9)	TXNL4B (1.9)
ENSG00000182319 (2	PYY (2.3)
TECTB (2.2)	APOA1 (2.0)
MAPK10 (1.6)	HGFAC (1.6)
ATP13A1 (1.8)	CASC4 (1.8)
GPN1 (3.0)	POLR1A (2.9)
LPL (1.6)	CD300LG (1.5)
TMED5 (1.8)	ENSG00000236827 (1
INTS10 (2.5)	ARID1A (2.4)
EIF3J (2.2)	DHX38 (2.1)
DR1 (1.9)	APOE (1.9)
TXNL4B (1.8)	REEP3 (1.7)
ABCA1 (1.8)	TDH (1.7)
LSM12 (2.6)	ZNF513 (2.5)
C11orf49 (2.1)	PTPN13 (2.1)
TRIB1 (1.6)	LINC00208 (1.5)
GPN1 (2.9)	AMBRA1 (2.6)
OST4 (2.0)	USP1 (1.9)
CITED2 (2.3)	INTS10 (2.2)
EIF3J (2.9)	NUP160 (2.9)
TSSK6 (2.0)	ENSG00000235545 (2
DUSP3 (1.9)	TIMD4 (1.9)
DHODH (2.8)	SLC5A6 (2.8)
CELF1 (2.4)	ZNF513 (2.3)
FZD9 (2.0)	LPAL2 (2.0)
DNAH10 (2.2)	RASIP1 (2.0)
MYBPC3 (2.4)	PCIF1 (2.4)
CBLC (2.0)	C11orf9 (2.0)
REEP1 (2.1)	SLC30A3 (1.8)

SIK3 (1.8)	C2orf16 (1.7)
MTCH2 (2.6)	AMBRA1 (2.6)
DPYSL5 (2.0)	TMEM175 (2.0)
SOST (2.5)	ENSG00000236827 (2
BCAM (2.0)	ENSG00000236267 (2
C1QTNF4 (1.5)	TRNP1 (1.5)
CLPTM1 (2.2)	LSM12 (2.0)
NFE2L3 (1.8)	BCL3 (1.8)
MADD (1.8)	RASIP1 (1.7)
C8orf49 (2.1)	DOCK6 (2.1)
GTF3C2 (2.6)	USP1 (2.5)
PVRL2 (2.2)	DUSP3 (1.9)
FUT2 (1.7)	BUD13 (1.7)
ENSG00000182329 (1	ENSG00000254235 (1
EIF3J (3.0)	PPM1G (2.7)
HAVCR1 (1.8)	JMJD1C (1.8)
MAU2 (2.0)	GATAD2A (2.0)
TECTB (1.9)	LSM12 (1.8)
KLF14 (1.8)	CYP7A1 (1.8)
FUT2 (1.9)	PMFBP1 (1.8)
JMJD1C (2.4)	PCIF1 (2.4)
DHX38 (2.6)	MFAP1 (2.6)
CILP2 (2.1)	SFN (2.1)
DNAH10 (1.5)	NFE2L3 (1.5)
SLC5A6 (2.2)	DDB2 (2.1)
EIF3J (2.2)	EIF2B4 (2.2)
DOCK7 (1.9)	AFF1 (1.8)
PYY (2.0)	CLPTM1 (1.9)
SIK3 (1.8)	ZNF513 (1.7)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
G6PC3 (1.9)	TXNL4B (1.8)
PTCD3 (2.1)	TOMM40 (2.0)
PACSIN3 (1.7)	REEP1 (1.7)
IGF2R (2.5)	LPAR2 (2.4)
PLA2G6 (2.1)	PPM1G (2.1)
LSM12 (2.2)	MTCH2 (2.2)
ENSG00000235545 (1	FNBP4 (1.8)
ZNF408 (2.0)	ENSG00000256731 (2
PVRL2 (2.1)	DPYSL5 (2.0)
ENSG00000255020 (1	NEIL2 (1.7)
PIGV (3.2)	FADS1 (2.9)
AGBL2 (1.9)	CATSPER2 (1.7)
ATG13 (2.7)	CGREF1 (2.6)
AFF1 (2.2)	ANGPTL4 (2.1)

PLA2G6 (1.9)	NEIL2 (1.9)
APOE (1.8)	BNC2 (1.8)
ENSG00000255020 (1	MAFF (1.8)
EIF3J (1.7)	C11orf49 (1.7)
TXNL4B (1.8)	PPM1G (1.5)
USP1 (2.2)	GPN1 (2.0)
USP1 (2.2)	GPN1 (2.0)
MAU2 (2.0)	TMEM214 (2.0)
PGS1 (2.0)	DOCK7 (2.0)
ENSG00000182319 (1	CYP26A1 (1.6)
ENSG00000179523 (2	SUMO1 (2.1)
ABCA1 (1.8)	APOE (1.8)
MADD (2.4)	GTF3C2 (2.4)
PVRL2 (2.3)	ZNF512 (2.0)
ABCA1 (1.5)	LPL (1.5)
NR0B2 (2.4)	TIMD4 (2.3)
CITED2 (2.1)	FZD9 (2.1)
DHODH (2.5)	ZNF408 (2.3)
C11orf9 (2.1)	TSSK6 (1.8)
USP1 (2.6)	BAZ1B (2.6)
INTS10 (1.9)	SUGP1 (1.8)
VEGFA (1.7)	TMED5 (1.7)
PPIP5K1 (1.8)	FZD9 (1.7)
LPA (2.1)	SLC22A3 (2.0)
SFN (2.4)	NOP58 (2.3)
CYP26A1 (1.9)	RSPO3 (1.9)
ZNF408 (2.0)	GPN1 (2.0)
RFX4 (1.9)	PTPMT1 (1.7)
CKAP5 (2.1)	GMIP (2.1)
ENSG00000255020 (2	SPG11 (2.0)
C8orf12 (2.2)	ZNF513 (1.6)
AFF1 (2.5)	BCL7B (2.5)
APOE (1.6)	ENSG00000223522 (1
INTS10 (2.6)	CELF1 (2.5)
TMEM175 (2.8)	MPV17 (2.7)
HARBI1 (1.8)	ENSG00000255020 (1
TECTB (1.6)	NFE2L3 (1.6)
DOCK7 (1.7)	NSMAF (1.7)
RASIP1 (2.8)	PACSIN3 (2.4)
LSM12 (2.3)	HDAC5 (2.2)
GPAM (1.9)	NCAN (1.8)
ENSG00000236267 (1	FUT1 (1.6)
ENSG00000236267 (2	CYP7A1 (2.0)
ZNF664 (2.4)	IGF2R (2.2)
CAD (2.8)	DHX38 (2.3)
PLTP (1.9)	HGFAC (1.9)
LPAR2 (2.4)	TRNP1 (2.3)
TMEM175 (2.2)	IGF2R (1.9)
FGF21 (1.8)	FZD9 (1.7)
FNDC4 (2.2)	ENSG00000223745 (2

PBX4 (1.8)	AMBRA1 (1.7)
PIGV (1.9)	PVRL2 (1.8)
CELF1 (2.6)	GTF3C2 (2.6)
CAD (3.2)	DHX38 (2.9)
ZNF335 (2.5)	BAZ1B (2.3)
LSM12 (2.0)	DUSP3 (2.0)
GTF3C2 (2.8)	PTCD3 (2.7)
TMED5 (3.3)	TMEM214 (3.3)
LPAL2 (2.2)	AMBRA1 (2.2)
DHX38 (2.4)	NUP160 (2.4)
USP1 (2.7)	MFAP1 (2.6)
ABHD1 (1.4)	PTPRJ (1.4)
ENSG00000254235 (1	LINC00208 (1.8)
ENSG00000255020 (1	TIMD4 (1.6)
COBLL1 (1.8)	MPP3 (1.7)
COBLL1 (2.3)	HAPLN4 (2.3)
ENSG00000255020 (2	COBLL1 (2.0)
C19orf80 (1.9)	COBLL1 (1.9)
ENSG00000254235 (1	NEIL2 (1.8)
C11orf9 (1.9)	ENSG00000257711 (1
NUP160 (2.6)	ZNF259 (2.3)
PGS1 (1.9)	PCIF1 (1.9)
ZNF259 (1.5)	CMIP (1.5)
SNX17 (2.3)	VEGFA (2.2)
ENSG00000226645 (1	GPN2 (1.9)
GMIP (1.7)	C2orf53 (1.7)
SPG11 (2.6)	ZNF259 (2.6)
SDC1 (1.6)	DOCK7 (1.6)
PLTP (2.1)	APOE (2.1)
PIGV (2.8)	G6PC3 (2.8)
NR1H3 (1.8)	NSMAF (1.7)
LRP4 (2.3)	ZNF335 (2.2)
LRP4 (2.3)	ZNF335 (2.2)
PTPN13 (1.7)	DOCK7 (1.7)
CYP26A1 (1.9)	SIK3 (1.7)
DHODH (3.0)	EIF2B4 (2.7)
MADD (2.3)	INTS10 (2.2)
STRC (2.3)	ENSG00000254235 (2
EIF2B4 (2.5)	ATP13A1 (2.5)
FADS1 (1.7)	BRE (1.7)
SIDT2 (2.1)	IGF2R (2.0)
VEGFA (1.6)	SLC30A3 (1.6)
CAD (2.2)	C2orf16 (2.1)
C11orf49 (2.5)	CLPTM1 (2.5)
POLR1A (2.7)	GATAD2A (2.7)
CITED2 (2.0)	GATAD2A (1.9)
ENSG00000179523 (1	CYP26A1 (1.7)
C17orf105 (2.2)	CGREF1 (2.2)
CGREF1 (2.0)	SOST (1.9)
EIF3J (2.0)	AFF1 (1.9)

IMMT (2.0)	ENSG00000236267 (1
NUP160 (2.0)	NSMAF (2.0)
PYY (2.2)	ENSG00000223745 (2
BCAM (1.6)	LINC00208 (1.5)
USP1 (2.5)	GATAD2A (2.3)
CELF1 (2.2)	NRBP1 (2.1)
GATAD2A (1.9)	BUD13 (1.8)
BCL3 (1.6)	ARID1A (1.6)
PTPMT1 (2.2)	LRP4 (2.2)
CILP2 (2.3)	EMILIN1 (2.2)
MTCH2 (2.3)	PMFBP1 (2.2)
HAVCR1 (1.8)	APOC1 (1.8)
ANGPTL3 (2.0)	GCKR (2.0)
C19orf80 (1.9)	CASC4 (1.8)
C8orf49 (2.2)	ENSG00000256746 (2
PTPRJ (2.5)	GPN1 (2.5)
ZNF664 (1.9)	PTPN13 (1.9)
ATG4C (2.5)	SDCBP (2.4)
FAM167A (2.3)	DUSP3 (2.3)
TXNL4B (2.0)	FGF21 (1.9)
MPP3 (1.8)	ENSG00000222035 (1
CBLC (2.1)	ENSG00000236267 (2
CKAP5 (2.1)	USP1 (2.0)
CSGALNACT1 (2.0)	CTSB (1.9)
GPN2 (1.9)	SDC1 (1.8)
CETP (1.9)	DPYSL5 (1.9)
ENSG00000182319 (1	NEIL2 (1.8)
GPN1 (2.2)	TP53BP1 (2.2)
CLPTM1 (2.3)	SUGP1 (2.3)
CSGALNACT1 (2.0)	TRIB1 (2.0)
SUGP1 (2.5)	MTF2 (2.4)
SUGP1 (2.5)	MTF2 (2.4)
SUGP1 (2.5)	MTF2 (2.4)
SUGP1 (1.9)	EIF3J (1.8)
SIK3 (1.7)	TDH (1.6)
BCL3 (2.0)	JMJD1C (2.0)
ZNF664 (1.8)	BUD13 (1.7)
RASIP1 (1.7)	BCL3 (1.7)
PVRL2 (2.0)	ZDHHC18 (2.0)
CTSB (1.8)	PAFAH1B2 (1.8)
ENSG00000182319 (1	TMEM175 (1.8)
KDM3A (1.8)	CCDC121 (1.8)
ENSG00000223745 (1	ENSG00000222035 (1
TECTB (1.8)	MAMSTR (1.8)
NR0B2 (1.6)	ABO (1.6)
GPAM (1.8)	RFX4 (1.8)
CMIP (1.9)	ENSG00000257711 (1
TRIB1 (2.1)	C2orf28 (2.1)
ARID1A (1.8)	PPY (1.5)
PTPRJ (1.3)	GALNT2 (1.3)

MADD (2.0)	ABO (2.0)
SDC1 (2.0)	NFE2L3 (1.9)
LPL (2.3)	PTPMT1 (2.2)
C1orf172 (2.1)	KANK2 (1.9)
COBLL1 (2.5)	TRNP1 (2.3)
OST4 (1.5)	PGS1 (1.5)
GMIP (1.7)	SIDT2 (1.6)
MAPK10 (1.8)	LPAR2 (1.7)
SOST (2.0)	TECTB (1.9)
PACSIN3 (2.0)	CGREF1 (2.0)
SUGP1 (2.7)	PREB (2.7)
EIF2B4 (1.8)	GTF3C2 (1.8)
CCDC18 (1.9)	DNAJC5G (1.9)
GALNT2 (2.1)	APOC3 (2.0)
C1QTNF4 (1.7)	CSGALNACT1 (1.7)
MAU2 (1.7)	GMIP (1.6)
TRNP1 (1.7)	REEP3 (1.7)
DHX38 (2.8)	EIF2B4 (2.8)
RIC8B (1.9)	SIK3 (1.9)
ZNF513 (1.8)	ZDHHC18 (1.8)
IGF2R (1.9)	ABHD1 (1.8)
MAMSTR (2.4)	C2orf16 (2.4)
TRIB1 (2.0)	SDCBP (1.9)
RSPO3 (1.7)	RASIP1 (1.7)
IMMT (2.2)	TMEM214 (2.2)
ARID1A (2.5)	PACSIN3 (2.4)
DHODH (2.7)	EIF3J (2.6)
MFAP1 (2.4)	USP1 (2.4)
EIF3J (2.4)	IMMT (2.4)
CHMP3 (1.9)	BCAM (1.9)
GPN1 (2.4)	GPN2 (2.2)
SDCBP (1.9)	ENSG00000182329 (1
PMFBP1 (1.7)	RBKS (1.7)
CYP26A1 (2.1)	KLF14 (2.1)
FDFT1 (1.7)	ENSG00000200241 (1
PTPMT1 (2.2)	HGFAC (2.2)
EPB41L3 (2.3)	TBL2 (2.3)
ENSG00000182319 (2	TRNP1 (2.3)
ENSG00000182319 (2	ARHGAP1 (2.0)
ANGPTL4 (1.6)	TECTB (1.6)
TECTB (2.4)	BRE (2.1)
ENSG00000222035 (2	C8orf12 (2.3)
APOA5 (2.3)	SPG11 (2.2)
BMPR2 (2.2)	CASC4 (2.0)
PPM1G (2.7)	INTS10 (2.7)
SDCBP (1.9)	NRBF2 (1.9)
RASIP1 (3.0)	DOCK6 (2.4)
PYY (1.8)	TRIB1 (1.8)
FEN1 (2.5)	PCIF1 (2.5)
SUMO1 (1.8)	LIPC (1.7)

INTS10 (1.8)	GPN1 (1.8)
LINC00208 (1.8)	ABHD1 (1.8)
FEN1 (2.3)	OST4 (2.3)
MAFF (1.9)	SOST (1.9)
G6PC3 (2.3)	SIDT2 (2.3)
CELF1 (2.4)	FNBP4 (2.4)
CTDSPL2 (2.6)	CKAP5 (2.6)
HGFAC (2.4)	GCKR (2.3)
HGFAC (2.4)	GCKR (2.3)
HGFAC (2.4)	GCKR (2.3)
HGFAC (1.5)	CITED2 (1.5)
CD300LG (1.7)	KBTBD4 (1.7)
EIF2B4 (1.8)	ABO (1.6)
GTF3C2 (3.0)	ATP13A1 (2.7)
CCDC121 (2.6)	DHODH (2.5)
GMIP (1.9)	AMBRA1 (1.9)
CYP26A1 (2.3)	MAMSTR (2.3)
KLF14 (2.0)	MADD (1.9)
KLF14 (2.0)	MADD (1.9)
BRE (1.8)	GTF3C2 (1.7)
TMED5 (1.5)	MAMSTR (1.5)
SNX17 (2.0)	NUP160 (2.0)
DPYSL5 (2.1)	JMJD1C (2.0)
CGREF1 (2.1)	AMBRA1 (2.1)
DDB2 (2.1)	C2orf53 (1.9)
IGF2R (2.4)	GPAM (2.4)
NDUFS3 (2.0)	C2orf28 (2.0)
ABHD1 (1.6)	C2orf28 (1.6)
APOC1 (1.8)	SUGP1 (1.8)
GMIP (2.0)	TRNP1 (1.9)
DOCK7 (1.8)	ZDHHC18 (1.8)
GATA4 (2.3)	MTF2 (2.3)
PACSIN3 (2.3)	FRMD5 (2.2)
CATSPER2 (1.7)	TIMD4 (1.7)
IFT172 (2.2)	MAFF (2.2)
CTSB (2.5)	ACP2 (2.2)
IGF2R (1.9)	TIMD4 (1.9)
DDB2 (2.0)	TIMD4 (1.8)
REEP1 (2.0)	RASIP1 (2.0)
BUD13 (1.7)	DR1 (1.4)
ZNF408 (2.4)	LPAR2 (2.3)
MAU2 (2.6)	MFAP1 (2.5)
LSM12 (2.4)	CELF1 (2.4)
LSM12 (2.2)	HARBI1 (2.0)
CYP26A1 (2.1)	IFT172 (1.8)
SUMO1 (2.5)	TDH (2.5)
ENSG00000236827 (1	LRP4 (1.8)
PYY (1.8)	C8orf12 (1.8)
SLC22A3 (2.6)	NUP160 (2.6)
NR1H3 (1.6)	PTPRJ (1.6)

ENSG00000254235 (2	PGS1 (1.9)
RSPO3 (2.0)	SDC1 (2.0)
SLC5A6 (2.8)	DHX38 (2.5)
DOCK7 (1.9)	TRIB1 (1.9)
DHX38 (2.5)	TMEM175 (2.5)
PBX4 (2.0)	MTF2 (2.0)
NFE2L3 (1.6)	ENSG00000182319 (1
NR1H3 (1.8)	NAGS (1.7)
TMEM175 (1.9)	ABCA1 (1.9)
MAMSTR (2.0)	ARID1A (1.9)
DNAJC5G (2.1)	ABHD1 (2.1)
FAM167A (2.0)	PTPN13 (2.0)
STRC (2.4)	FUT2 (2.4)
HDAC5 (2.1)	ARID1A (2.1)
GALNT2 (1.7)	TP53BP1 (1.6)
SOST (1.9)	SFN (1.9)
BNC2 (1.7)	CILP2 (1.7)
TBL2 (1.7)	FRMD5 (1.7)
PTPRJ (2.1)	C11orf49 (2.1)
C2orf28 (2.2)	APOE (2.2)
G6PC3 (1.6)	REEP3 (1.6)
GATAD2A (2.1)	FAM167A (2.0)
EIF2B4 (3.2)	TOMM40 (3.2)
SPG11 (2.0)	PTPN13 (1.8)
DOCK7 (1.7)	NSMAF (1.7)
NRBP1 (2.7)	ZNF408 (2.5)
PACSIN3 (2.3)	LPAR2 (2.2)
FRMD5 (1.4)	ENSG00000256746 (1
RFX4 (1.5)	MRPL33 (1.5)
ZNF408 (2.1)	PTCD3 (2.0)
RIC8B (2.0)	TUBGCP4 (1.9)
DUSP3 (2.5)	GATA4 (2.4)
BCAM (2.4)	SFN (2.3)
CKAP5 (2.9)	CELF1 (2.7)
LSM12 (2.0)	C8orf49 (1.9)
UCN (1.5)	KDM3A (1.4)
LSM12 (1.8)	HAVCR1 (1.7)
REEP3 (2.2)	SDC1 (2.2)
TOMM40 (2.6)	EIF3J (2.6)
NFE2L3 (1.8)	APOE (1.7)
CHMP3 (2.0)	ZNF512 (2.0)
PTCD3 (3.0)	GPN2 (2.9)
CGREF1 (2.0)	ENSG00000223745 (1
LRP4 (2.1)	ZNF335 (2.1)
CKAP5 (2.6)	USP1 (2.6)
APOC3 (2.5)	VEGFA (1.9)
GPN2 (2.6)	FEN1 (2.5)
GPN2 (2.6)	FEN1 (2.5)
GPN2 (2.6)	FEN1 (2.5)
MADD (1.8)	G6PC3 (1.7)

LINC00208 (1.5)	PIGV (1.5)
TXNL4B (2.2)	NR0B2 (2.1)
PCSK7 (2.1)	BMPR2 (2.1)
GPAM (1.9)	ARHGAP1 (1.8)
BUD13 (1.7)	NRBF2 (1.7)
BUD13 (1.7)	NRBF2 (1.7)
BUD13 (1.7)	NRBF2 (1.7)
MPP3 (1.9)	LPA (1.8)
UBXN2B (1.8)	PMFBP1 (1.6)
JMJD1C (1.8)	BUD13 (1.7)
JMJD1C (1.8)	BUD13 (1.7)
CCDC92 (2.0)	VEGFA (1.9)
TMEM214 (2.4)	PPM1G (2.4)
REEP1 (2.4)	PYY (2.2)
DHODH (2.9)	CAD (2.9)
LIPC (1.8)	GALNT2 (1.6)
REEP3 (2.3)	DUSP3 (2.2)
LRP4 (2.3)	MTMR9 (2.1)
NAGS (2.3)	TXNL4B (2.2)
MTMR9 (2.0)	EIF2B4 (1.9)
GPN2 (2.7)	ENSG00000226645 (2
TOMM40 (2.8)	GPN1 (2.7)
PCSK7 (2.2)	LRP4 (2.1)
CSGALNACT1 (1.7)	TMEM101 (1.6)
LPAR2 (2.7)	SLC5A6 (2.3)
DNAH10 (2.1)	RASIP1 (2.0)
SDC1 (2.1)	G6PC3 (2.1)
ENSG00000200241 (2	TOMM40 (2.1)
VEGFA (1.9)	JMJD1C (1.8)
MAFF (1.8)	C8orf12 (1.7)
INTS10 (2.6)	NUP160 (2.6)
MAFF (2.0)	TRIB1 (2.0)
GMIP (1.8)	CSGALNACT1 (1.8)
C1QTNF4 (2.1)	SLC5A6 (2.0)
RSPO3 (1.7)	TMED5 (1.5)
PVRL2 (2.2)	SFN (2.1)
LRP4 (1.9)	RFX4 (1.8)
ENSG00000182329 (1	DNAJC5G (1.8)
GTF3C2 (2.1)	TP53BP1 (2.1)
ACP2 (1.9)	BLK (1.5)
FZD9 (1.9)	UBXN2B (1.8)
STRC (1.8)	UCN (1.7)
SIDT2 (1.9)	LPL (1.8)
PTPRJ (1.5)	JMJD1C (1.4)
FUT2 (1.8)	ENSG00000257711 (1
EPB41L3 (2.0)	HGFAC (1.7)
NSMAF (2.4)	ENSG00000223745 (2
ENSG00000226645 (1	GATA4 (1.6)
LSM12 (2.4)	CELF1 (2.3)
ARHGAP1 (2.0)	VEGFA (2.0)

KANK2 (2.0)	FRMD5 (1.8)
ABO (2.2)	TECTB (2.2)
CATSPER2 (1.8)	FAM167A (1.8)
CCDC92 (2.0)	LPAR2 (1.9)
LINC00208 (1.5)	DNAJC5G (1.4)
BRE (1.6)	FAM167A (1.6)
HARBI1 (2.4)	PTPMT1 (2.4)
HARBI1 (2.4)	PTPMT1 (2.4)
GTF3C2 (2.6)	DR1 (2.6)
NFE2L3 (1.8)	NEIL2 (1.7)
ABCA1 (1.8)	APOC1 (1.7)
BCL3 (1.7)	PLA2G6 (1.6)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
DHODH (2.3)	ARID1A (2.3)
PPM1G (2.4)	LSM12 (2.2)
DHODH (2.6)	ARFGAP2 (2.4)
HDAC5 (2.2)	PTPN13 (2.2)
ZNF408 (2.5)	GTF3C2 (2.4)
PREB (2.1)	PTCD3 (1.9)
APOA1 (2.5)	SLC22A3 (2.4)
ARFGAP2 (2.1)	REEP3 (2.0)
ENSG00000182329 (1	KRTCAP3 (1.8)
TRIB1 (1.9)	ZNF513 (1.9)
PREB (2.3)	PDIA3 (2.1)
IFT172 (2.0)	ENSG00000254235 (1
PTCD3 (3.0)	ATP13A1 (2.9)
ATG13 (2.5)	IMMT (2.5)
FADS1 (2.7)	LRP4 (2.5)
PMFBP1 (1.8)	TBL2 (1.7)
EPB41L3 (2.1)	C2orf28 (2.0)
CMIP (2.2)	CELF1 (2.0)
CITED2 (1.9)	ZNF664 (1.9)
DUSP3 (2.3)	BMPR2 (2.2)
ARFGAP2 (2.9)	NUP160 (2.9)
ENSG00000223745 (1	TAGLN (1.9)
CAD (2.6)	SLC5A6 (2.5)
PTCD3 (2.0)	FNBP4 (1.9)
TAGLN (1.8)	UCN (1.7)

ARID1A (2.5)
IZUMO1 (1.8)
ENSG00000257711 (1
GPN1 (2.3)
TDH (1.7)
GPAM (2.0)
C17orf105 (1.7)
SDC1 (2.1)
ZNF664 (2.0)
IMMT (2.5)
PTPRJ (1.9)
CD300LG (1.7)
PTCD3 (2.5)
GPN2 (2.7)
HAPLN4 (1.8)
SOST (1.9)
LINC00208 (1.7)
ZNF259 (2.6)
FZD9 (1.6)
NOP58 (2.0)
POLR1A (1.9)
CELF1 (1.3)
ABO (1.6)
HARBI1 (2.0)
DHODH (3.1)
SIK3 (1.7)
ZNF512 (2.9)
ARFGAP2 (2.5)
PTPRJ (1.8)
FRMD5 (1.9)
NUP160 (2.4)
PMFBP1 (2.0)
ARHGAP1 (1.7)
CD300LG (2.2)
DNAJC5G (1.8)
FADS2 (1.9)
EPB41L3 (1.7)
PTCD3 (2.8)
NR1H3 (1.8)
MAFF (1.8)
ZNF512 (1.9)
GPN1 (2.7)
MAPRE3 (1.9)
TRNP1 (1.9)
CCDC92 (1.8)
TUBGCP4 (2.3)
COBLL1 (2.0)
DOCK7 (2.2)
PPIP5K1 (1.6)
PTPRJ (2.0)
DHX38 (2.4)
MFAP1 (1.7)
TDH (1.6)
TRIB1 (2.2)
DDB2 (1.7)
G6PC3 (2.0)
LPAR2 (1.7)
ENSG00000222035 (2
SFN (1.8)
CAD (2.5)
TAGLN (1.9)
BLK (1.6)
GPN2 (2.4)
PPM1G (2.7)
G6PC3 (1.8)
TBL2 (1.9)
ACP2 (1.7)
POLR1A (2.4)
LRP4 (1.5)
IMMT (1.9)
MFAP1 (1.8)
GMIP (1.3)
MAPRE3 (1.6)
C8orf49 (2.0)
PPM1G (2.8)
PBX4 (1.7)
ARID1A (2.7)
CAD (2.4)
PVRL2 (1.8)
PPIP5K1 (1.9)
USP1 (2.4)
PVRL2 (2.0)
PVRL2 (1.7)
CCDC121 (1.8)
TOMM40 (1.7)
CATSPER2 (1.9)
NFE2L3 (1.7)
SLC5A6 (2.7)
CSGALNACT1 (1.8)
DUSP3 (1.7)
TRIB1 (1.9)
ZNF408 (2.6)
ENSG00000256746 (1
ARHGAP1 (1.9)
ENSG00000236827 (1
MFAP1 (2.3)
STRC (2.0)
LPAL2 (2.1)
NSMAF (1.5)
FADS1 (1.9)

PGS1 (1.9)	MYBPC3 (1.9)
ATG4C (2.1)	FUT2 (2.1)
SIK3 (2.7)	GTF3C2 (2.7)
GATAD2A (2.1)	PDIA3 (2.0)
ENSG00000253379 (1	PTPN13 (1.7)
LPAR2 (2.1)	ZNF512 (2.0)
ABHD1 (2.0)	ENSG00000255020 (1
BUD13 (1.9)	CELF1 (1.9)
FEN1 (2.7)	SUGP1 (2.7)
INTS10 (1.9)	BUD13 (1.8)
ARID1A (1.9)	BCAM (1.9)
ZDHHC18 (2.4)	CD300LG (2.3)
GMIP (2.2)	ZNF335 (2.1)
EIF2B4 (1.7)	UCN (1.7)
SDCBP (1.8)	CLPTM1 (1.8)
SDCBP (1.8)	CCDC121 (1.8)
PAFAH1B2 (2.0)	G6PC3 (2.0)
PAFAH1B2 (2.0)	G6PC3 (2.0)
C2orf28 (2.9)	SLC5A6 (2.9)
CGREF1 (1.9)	KANK2 (1.8)
MAFF (1.9)	SIK3 (1.6)
GTF3C2 (2.2)	AFF1 (2.1)
BMPR2 (1.8)	PVRL2 (1.7)
LPAR2 (2.3)	C11orf49 (2.3)
CITED2 (2.0)	SDC1 (1.9)
TAGLN (1.9)	CCDC92 (1.9)
CSGALNACT1 (1.9)	DNAH10 (1.8)
PREB (2.1)	MTCH2 (2.1)
G6PC3 (1.8)	CD300LG (1.7)
POLR1A (2.2)	NSMAF (1.8)
NUP160 (2.3)	CATSPER2 (2.3)
DNAJC5G (1.7)	BNC2 (1.6)
ENSG00000200241 (1	LRP4 (1.6)
LPAL2 (2.2)	PTPMT1 (2.2)
MTF2 (1.9)	PGS1 (1.9)
PTPN13 (1.9)	HARBI1 (1.9)
PREB (1.9)	TXNL4B (1.9)
CMIP (2.3)	LPAR2 (2.2)
TXNL4B (2.4)	CAD (2.3)
AGBL5 (2.2)	BAZ1B (2.2)
RBKS (1.3)	RASIP1 (1.3)
EIF3J (2.7)	PTCD3 (2.7)
PCIF1 (1.7)	BUD13 (1.7)
WDR76 (2.2)	APOC4 (2.2)
ENSG00000226645 (1	MAPRE3 (1.8)
NRBF2 (1.6)	NR1H3 (1.5)
ANGPTL4 (2.1)	TRIB1 (2.1)
FAM167A (1.6)	RFX4 (1.6)
MLXIPL (2.2)	TRNP1 (2.1)
GALNT2 (2.2)	BMPR2 (2.1)

MAPK10 (2.1)	DNAH10 (2.1)
LPAR2 (1.9)	SFN (1.9)
SUGP1 (2.1)	DHX38 (2.1)
MAFF (1.4)	FAM167A (1.4)
MAU2 (2.1)	ARID1A (2.1)
ARFGAP2 (2.4)	EIF3J (2.3)
FNDC4 (2.0)	ENSG00000223745 (1
CITED2 (2.1)	MAU2 (2.1)
SUGP1 (2.4)	NOP58 (2.4)
PCIF1 (1.7)	IMMT (1.7)
BUD13 (1.7)	FUT2 (1.6)
ENSG00000235545 (1	HDAC5 (1.9)
EIF3J (2.6)	POLR1A (2.4)
TMEM214 (2.1)	C1orf172 (2.0)
REEP3 (1.7)	ENSG00000254235 (1
ARHGAP1 (2.2)	PAFAH1B2 (2.0)
EPB41L3 (2.0)	APOA4 (1.9)
AGBL5 (1.8)	LPAR2 (1.8)
APOE (1.9)	CATSPER2 (1.7)
NFE2L3 (2.2)	ZDHHC18 (2.1)
CSGALNACT1 (2.3)	CMIP (2.3)
PDIA3 (2.4)	C2orf28 (2.3)
DUSP3 (2.2)	MFAP1 (2.2)
TMEM214 (2.5)	PPM1G (2.4)
C11orf49 (1.5)	GCKR (1.5)
CSGALNACT1 (1.9)	BCL3 (1.7)
ENSG00000257711 (2	BNC2 (2.0)
BCL3 (1.8)	NR1H3 (1.7)
LPL (2.8)	MPP3 (2.5)
IGF2R (2.3)	AFF1 (2.3)
ZNF335 (2.2)	ZDHHC18 (2.1)
KHK (1.8)	SIDT2 (1.8)
FRMD5 (1.9)	SLC5A6 (1.8)
SDCBP (1.7)	C2orf53 (1.6)
CTSB (1.7)	ATP13A1 (1.7)
PCSK7 (2.8)	PIGV (2.7)
PCSK7 (2.8)	PIGV (2.7)
ZNF408 (2.8)	GPN1 (2.7)
SNX17 (2.1)	TMEM175 (2.1)
GATA4 (1.8)	LRP4 (1.8)
HAVCR1 (1.6)	NSMAF (1.6)
ARID1A (2.1)	MPV17 (1.9)
PBX4 (1.8)	KANK2 (1.7)
CYP26A1 (2.7)	PTPN13 (2.1)
FNDC4 (2.0)	ABO (2.0)
TMEM175 (1.8)	LPA (1.7)
CAD (3.0)	GPN2 (2.8)
GMIP (2.0)	KANK2 (1.9)
PTPN13 (1.7)	C8orf12 (1.7)
ENSG00000255020 (1	PREB (1.8)

ZDHHC18 (1.9)	SDC1 (1.8)
GPN1 (1.8)	NUP160 (1.8)
ENSG00000226645 (2	RSPO3 (1.9)
PVRL2 (2.1)	AFF1 (2.0)
TRIB1 (2.0)	MAU2 (2.0)
SIDT2 (1.8)	ENSG00000253379 (1
DHX38 (2.4)	NUP160 (2.3)
RASIP1 (1.8)	FNDC4 (1.7)
SFN (1.5)	ABHD1 (1.5)
RASIP1 (1.9)	EMILIN1 (1.8)
PTCD3 (2.9)	CAD (2.8)
PTCD3 (2.9)	CAD (2.8)
EIF3J (2.6)	ATP13A1 (2.5)
ENSG00000256746 (1	C8orf12 (1.8)
C8orf12 (1.9)	TRIB1 (1.8)
BCL3 (1.6)	C8orf12 (1.6)
DNAH10 (1.7)	C11orf49 (1.7)
HARBI1 (1.9)	MRPL35 (1.9)
MFAP1 (1.6)	SLC30A3 (1.6)
ENSG00000226645 (2	ZNF408 (2.1)
AFF1 (2.2)	ARID1A (1.9)
ENSG00000257711 (1	ENSG00000236267 (1
UCN (2.0)	KLF14 (2.0)
IGF2R (2.0)	AFF1 (2.0)
ZNF335 (2.2)	ARID1A (2.1)
GPN1 (1.8)	PAFAH1B2 (1.8)
TECTB (1.8)	TBL2 (1.8)
CSGALNACT1 (1.7)	PLTP (1.6)
BCL3 (1.9)	ABCA1 (1.9)
CAD (2.9)	DHX38 (2.7)
DDB2 (2.1)	MTF2 (2.1)
GTF3C2 (2.8)	DOCK7 (2.8)
INTS10 (1.6)	CSGALNACT1 (1.6)
CAD (2.3)	KBTBD4 (2.3)
CITED2 (1.9)	MAPK10 (1.8)
SUGP1 (2.0)	FNBP4 (2.0)
HGFAC (1.8)	GCKR (1.8)
GALNT2 (1.6)	KBTBD4 (1.6)
KHK (1.6)	APOA4 (1.5)
CGREF1 (2.1)	PMFBP1 (2.1)
ENSG00000256746 (1	POLR1A (1.9)
NFE2L3 (2.5)	GPN1 (2.4)
PTPN13 (2.2)	RSPO3 (2.2)
FUT1 (2.1)	COBLL1 (2.1)
PTPMT1 (2.6)	MPV17 (2.3)
PCSK7 (1.7)	PBX4 (1.6)
GALNT2 (1.6)	C8orf12 (1.6)
CAD (2.5)	TOMM40 (2.4)
EIF2B4 (2.8)	CAD (2.8)
ENSG00000223745 (1	PLTP (1.7)

RFX4 (1.9)	LRP4 (1.8)
ZNF335 (2.1)	LRP4 (2.1)
RIC8B (2.1)	C2orf28 (1.9)
FUT2 (1.9)	RSPO3 (1.8)
KLF14 (2.0)	SIK3 (1.9)
KLF14 (2.0)	SIK3 (1.9)
ENSG00000236827 (1	ABHD1 (1.7)
IGF2R (1.9)	ENSG00000253379 (1
LRP4 (2.1)	C8orf49 (1.9)
MLXIPL (2.4)	LPL (2.0)
PPM1G (2.7)	DHX38 (2.6)
GMIP (1.8)	BCL7B (1.7)
TMEM101 (2.0)	DNAJC5G (1.8)
ACP2 (2.0)	PDIA3 (2.0)
ZNF335 (2.0)	MTF2 (2.0)
KRTCAP3 (1.7)	CGREF1 (1.7)
GMIP (1.9)	ENSG00000182319 (1
RASIP1 (1.9)	TIMD4 (1.9)
NCAN (2.0)	PTPN13 (1.9)
ENSG00000222035 (1	PLTP (1.7)
ZDHHC18 (2.0)	GTF3C2 (1.9)
TDH (1.8)	GPN1 (1.6)
ENSG00000257711 (1	BNC2 (1.8)
MYBPC3 (2.0)	ZNF664 (1.8)
LIPC (1.8)	BCAM (1.6)
CKAP5 (2.9)	TP53BP1 (2.6)
TOMM40 (2.8)	ZNF259 (2.8)
ACP2 (1.8)	LPL (1.7)
ACP2 (1.8)	LPL (1.7)
ARFGAP2 (2.3)	MTCH2 (2.3)
ENSG00000182319 (2	CCDC92 (2.2)
SIDT2 (1.9)	BNC2 (1.8)
LPAR2 (2.1)	BNC2 (2.0)
ZNF513 (2.4)	ATG4C (2.3)
PPM1G (2.6)	TP53BP1 (2.4)
ATG13 (2.0)	SUMO1 (1.9)
SLC30A3 (2.0)	SLC22A1 (1.9)
BCAM (2.0)	ZNF513 (1.8)
CITED2 (2.2)	G6PC3 (2.0)
BCAM (2.5)	PACSIN3 (2.5)
BCAM (2.5)	PACSIN3 (2.5)
MTMR9 (2.3)	SOST (2.3)
KLF14 (1.9)	NEIL2 (1.9)
ENSG00000222035 (1	MAPK10 (1.7)
BAZ1B (2.4)	CATSPER2 (2.3)
PACSIN3 (2.1)	FRMD5 (2.1)
ABO (1.7)	AGBL5 (1.7)
TRIM54 (1.7)	ZNF664 (1.7)
MAMSTR (1.9)	BAZ1B (1.9)
C11orf9 (2.1)	ABHD1 (2.1)

AGBL5 (2.5)	KANK2 (2.5)
DHX38 (2.4)	ZNF408 (2.4)
APOE (1.7)	JMJD1C (1.6)
DOCK7 (2.0)	IFT172 (1.9)
ENSG00000222035 (2	STRC (2.0)
NRBF2 (2.3)	BAZ1B (2.2)
RIC8B (2.0)	MAFF (2.0)
ENSG00000182329 (2	ENSG00000236267 (2
FUT1 (2.4)	SDC1 (2.3)
ZNF335 (1.6)	GATAD2A (1.5)
HAVCR1 (2.1)	ANGPTL3 (1.9)
USP1 (2.5)	CAD (2.4)
TOMM40 (2.5)	ARID1A (2.3)
DOCK6 (2.5)	BMPR2 (2.4)
IGF2R (2.0)	ATP13A1 (2.0)
GPN1 (2.8)	CAD (2.7)
MAFF (1.9)	FUT2 (1.8)
USP1 (2.4)	BAZ1B (2.4)
FDFT1 (1.7)	BCL7B (1.7)
FDFT1 (1.7)	BCL7B (1.7)
TP53BP1 (1.8)	SOST (1.8)
FAM167A (1.7)	FUT1 (1.6)
EPB41L3 (2.2)	ENSG00000256731 (2
TMEM101 (3.0)	PIGV (2.9)
ZNF335 (1.7)	CTSB (1.7)
SLC22A3 (2.0)	CYP7A1 (2.0)
SLC22A3 (2.0)	CYP7A1 (2.0)
SLC22A3 (2.0)	CYP7A1 (2.0)
ATP13A1 (2.5)	NUP160 (2.5)
PPIP5K1 (1.8)	CTSB (1.8)
ENSG00000255020 (1	RBKS (1.7)
PGS1 (2.0)	OST4 (2.0)
SLC5A6 (3.2)	EIF2B4 (2.6)
HDAC5 (1.6)	BCL7B (1.5)
TUBGCP4 (1.9)	PLTP (1.8)
DHX38 (2.5)	CELF1 (2.5)
EMILIN1 (2.4)	ATG4C (2.4)
PTCD3 (2.3)	GATAD2A (2.3)
PPM1G (2.4)	DHX38 (2.4)
CILP2 (1.6)	GALNT2 (1.5)
PREB (2.5)	ARFGAP2 (2.4)
ZNF513 (1.6)	MAFF (1.6)
C11orf9 (1.7)	RIC8B (1.6)
LPAR2 (2.1)	RASIP1 (2.0)
HGFAC (2.0)	ENSG00000256746 (1
SOST (1.9)	MAMSTR (1.7)
BLK (1.8)	RFX4 (1.7)
FUT2 (2.0)	PIGV (2.0)
ENSG00000253379 (2	C11orf49 (2.3)
CBLC (2.3)	FAM167A (2.1)

GATAD2A (2.0)
ENSG00000236267 (2
LPAL2 (1.8)
MPV17 (2.0)
C1QTNF4 (1.9)
IGF2R (2.2)
RSPO3 (2.0)
CYP7A1 (1.8)
MPV17 (2.6)
ZNF513 (1.9)
GATAD2A (1.8)
C8orf12 (1.7)
PTCD3 (2.1)
TDH (1.7)
IGF2R (1.9)
CTDSPL2 (1.7)
MPV17 (1.8)
TSSK6 (1.8)
MPV17 (2.0)
ARID1A (3.2)
TSSK6 (1.8)
FGF21 (2.0)
ENSG00000179523 (2
NRBP1 (2.0)
ENSG00000236827 (2
ARFGAP2 (1.8)
LPAR2 (2.1)
RIC8B (2.3)
G6PC3 (1.6)
KBTBD4 (2.7)
FRMD5 (2.4)
MAU2 (2.9)
GATAD2A (2.5)
PPM1G (2.7)
KANK2 (2.2)
C2orf53 (2.2)
ZNF259 (2.3)
CAD (2.7)
MAFF (1.9)
CTDSPL2 (2.0)
LPL (1.9)
CBLC (2.0)
TOMM40 (3.5)
SUPT7L (1.8)
ARFGAP2 (2.4)
PIGV (1.7)
CGREF1 (1.8)
REEP3 (2.2)
RIC8B (1.9)
SOST (2.3)
ZNF335 (2.0)
RIC8B (2.0)
ENSG00000256746 (1
KLF14 (1.9)
HAPLN4 (1.8)
SOST (2.2)
FUT2 (1.9)
ENSG00000256746 (1
TBL2 (2.5)
CSGALNACT1 (1.8)
NEIL2 (1.7)
TSSK6 (1.7)
POLR1A (2.0)
EMILIN1 (1.6)
CASC4 (1.8)
CITED2 (1.5)
MPP3 (1.7)
ENSG00000222035 (1
LIPC (2.0)
KBTBD4 (2.8)
ENSG00000254235 (1
EPB41L3 (1.9)
ABHD1 (2.5)
SUGP1 (1.9)
DPYSL5 (2.1)
KLF14 (1.6)
AMBRA1 (1.9)
SIK3 (2.3)
PMFBP1 (1.6)
NUP160 (2.5)
ENSG00000182319 (2
GPN1 (2.8)
PCIF1 (2.3)
DHODH (2.6)
RASIP1 (2.2)
ENSG00000234945 (2
AMBRA1 (2.3)
DHODH (2.6)
RIC8B (1.9)
ZNF664 (2.0)
PLTP (1.9)
SFN (1.9)
NRBP1 (3.1)
C1orf172 (1.8)
NFE2L3 (2.4)
RBKS (1.6)
BNC2 (1.8)
REEP1 (2.1)
TRNP1 (1.7)
ARID1A (2.2)

DHX38 (2.1)	AFF1 (2.1)
C8orf12 (2.1)	HARBI1 (2.0)
ABHD1 (2.0)	ENSG00000256731 (2
ACP2 (2.0)	TM6SF2 (1.9)
CHMP3 (2.3)	HARBI1 (2.3)
UBXN2B (1.7)	COBLL1 (1.7)
FRMD5 (2.3)	ENSG00000182319 (2
PTPMT1 (2.2)	ARFGAP2 (2.1)
PTPMT1 (2.2)	ARFGAP2 (2.1)
PTPMT1 (2.2)	ARFGAP2 (2.1)
DNAH10 (1.9)	ENSG00000223745 (1
EIF3J (2.9)	CAD (2.8)
TBL2 (1.9)	KHK (1.7)
C8orf12 (1.8)	ENSG00000236827 (1
AGBL5 (2.2)	NRBP1 (2.2)
ATG13 (2.2)	MTCH2 (2.2)
ARID1A (1.5)	C1QTNF4 (1.5)
ENSG00000256746 (1	ENSG00000223745 (1
AMBRA1 (2.2)	UBXN2B (2.2)
SDC1 (2.2)	CHMP3 (2.2)
VEGFA (1.9)	ENSG00000226645 (1
TBL2 (2.3)	ZNF335 (2.3)
CELF1 (2.4)	ZNF513 (2.4)
ARHGAP1 (1.9)	PCSK7 (1.9)
JMJD1C (1.7)	PPIP5K1 (1.7)
KLF14 (1.7)	KDM3A (1.7)
DOCK7 (1.7)	LRP4 (1.6)
MAFF (1.6)	RSPO3 (1.5)
NOP58 (2.7)	INTS10 (2.6)
MPP2 (2.2)	ENSG00000253379 (2
ENSG00000234945 (2	CYP26A1 (2.0)
FNBP4 (2.2)	CELF1 (2.2)
CYP7A1 (2.3)	SLC30A3 (2.2)
EIF2B4 (2.7)	DHX38 (2.6)
EIF3J (1.9)	PPIP5K1 (1.9)
PTPN13 (1.8)	BCAM (1.7)
BCL3 (1.8)	VEGFA (1.8)
NEIL2 (2.2)	IGF2R (2.2)
ENSG00000253379 (2	ENSG00000223522 (2
C8orf12 (1.7)	HP (1.7)
DHX38 (1.8)	ARID1A (1.8)
SIK3 (2.1)	ZNF335 (2.1)
TBL2 (2.0)	PTPN13 (2.0)
DOCK7 (2.0)	ATP13A1 (1.9)
GPN1 (2.3)	NUP160 (2.2)
ATG4C (1.7)	DR1 (1.7)
TMEM101 (1.8)	ARID1A (1.7)
ENSG00000179523 (2	TAGLN (2.2)
RASIP1 (2.4)	SIDT2 (2.3)
SDC1 (2.1)	SPG11 (2.0)

IMMT (1.8)	POLR1A (1.8)
AFF1 (2.2)	ARID1A (2.1)
ENSG00000236267 (1	DDB2 (1.6)
EMILIN1 (2.1)	VEGFA (2.1)
C2orf16 (1.9)	NSMAF (1.9)
BNC2 (2.0)	DNAH10 (1.9)
RASIP1 (1.5)	GATAD2A (1.5)
NSMAF (2.1)	UCN (2.0)
LRP4 (1.7)	PBX4 (1.6)
REEP3 (2.0)	SLC22A3 (2.0)
APOA1 (2.1)	LPAR2 (2.0)
RIC8B (2.0)	CBLC (1.8)
MTF2 (2.3)	BAZ1B (2.2)
CAD (3.0)	EIF2B4 (2.8)
LRP4 (1.6)	C11orf49 (1.6)
TMEM175 (1.4)	C2orf16 (1.4)
DNAJC5G (2.3)	REEP3 (2.1)
KDM3A (2.0)	EIF2B4 (2.0)
DPYSL5 (2.1)	BRE (2.1)
ZNF335 (2.4)	TBL2 (2.3)
GPN1 (2.1)	ATP13A1 (1.9)
CYP26A1 (2.2)	RSPO3 (2.1)
KANK2 (2.1)	C11orf49 (2.1)
HDAC5 (1.6)	KDM3A (1.6)
C1orf172 (2.0)	RASIP1 (2.0)
GPN1 (2.8)	SPG11 (2.8)
ENSG00000222035 (2	FAM167A (2.1)
ENSG00000222035 (2	FAM167A (2.1)
ENSG00000222035 (2	FAM167A (2.1)
CYP26A1 (1.9)	KANK2 (1.8)
EIF3J (2.8)	GPN1 (2.7)
G6PC3 (1.8)	CGREF1 (1.8)
NAGS (1.9)	CELF1 (1.7)
DOCK7 (2.9)	CKAP5 (2.7)
REEP1 (1.9)	UBXN2B (1.8)
GMIP (1.7)	ENSG00000182319 (1
PTPMT1 (2.2)	ARID1A (2.0)
ENSG00000254235 (1	G6PC3 (1.6)
IGF2R (2.2)	LRP4 (2.1)
SLC22A1 (2.0)	CASC4 (1.9)
G6PC3 (1.5)	CMIP (1.5)
TIMD4 (1.7)	ENSG00000234945 (1
ATG13 (2.2)	OST4 (2.1)
PBX4 (1.7)	SLC22A1 (1.4)
DHX38 (2.5)	JMJD1C (2.3)
HAPLN4 (2.0)	SLC22A3 (2.0)
PTCD3 (2.4)	MRPL33 (2.3)
ANGPTL4 (2.4)	TAGLN (2.2)
ANGPTL4 (2.0)	LPL (2.0)
MAPRE3 (1.8)	LRP4 (1.8)

NRBP1 (2.2)	PYY (2.1)
EIF3J (1.9)	SUPT7L (1.9)
BAZ1B (2.0)	PTPMT1 (2.0)
GPN1 (2.3)	TP53BP1 (2.3)
ENSG00000236827 (2	NEIL2 (2.2)
ATG4C (2.3)	TMEM101 (2.3)
TDH (1.7)	CCDC121 (1.7)
FNBP4 (1.8)	REEP3 (1.7)
TOMM40 (2.2)	DHX38 (1.7)
TOMM40 (2.2)	DHX38 (1.7)
TAGLN (2.3)	ZNF664 (2.2)
FRMD5 (1.8)	MAU2 (1.7)
ENSG00000222035 (1	ENSG00000236827 (1
SDC1 (1.8)	DNAJC5G (1.6)
PPM1G (2.5)	USP1 (2.4)
DNAJC5G (1.8)	EPB41L3 (1.8)
ZDHHC18 (1.9)	TXNL4B (1.9)
CTDSPL2 (2.3)	PTPMT1 (2.3)
TOMM40 (2.2)	NUP160 (2.1)
NDUFS3 (2.5)	PDIA3 (2.2)
ENSG00000255020 (1	SDC1 (1.8)
G6PC3 (2.1)	NFE2L3 (1.9)
ZNF512 (2.5)	USP1 (2.5)
TP53BP1 (2.2)	TMEM101 (2.2)
RIC8B (2.7)	TBL2 (2.6)
EPB41L3 (2.0)	IMMT (2.0)
BCAM (2.0)	TRNP1 (2.0)
ACP2 (1.5)	PTPN13 (1.4)
USP1 (2.7)	CELF1 (2.7)
ATP13A1 (2.0)	TP53BP1 (2.0)
ATP13A1 (2.3)	G6PC3 (2.3)
PCSK7 (1.7)	MTF2 (1.7)
IMMT (1.8)	PDIA3 (1.7)
IMMT (1.8)	PDIA3 (1.7)
IMMT (1.8)	PDIA3 (1.7)
IMMT (1.8)	PDIA3 (1.7)
IMMT (1.8)	PDIA3 (1.7)
PPIP5K1 (2.0)	GPAM (1.9)
FAM167A (2.3)	SDC1 (2.3)
COBLL1 (2.2)	REEP3 (2.2)
NCAN (2.0)	FUT1 (2.0)
FRMD5 (2.2)	MPP2 (2.1)
FZD9 (2.1)	UCN (2.1)
FUT1 (2.4)	SDC1 (2.4)
TMED5 (2.3)	PDIA3 (2.1)
ENSG00000253379 (1	PTPN13 (1.7)
CMIP (1.6)	NSMAF (1.6)
IGF2R (1.8)	PPY (1.8)
DOCK7 (2.0)	FRMD5 (1.9)
C2orf16 (2.0)	C17orf105 (1.9)

TDH (1.7)	ENSG00000255020 (1
ZNF664 (2.4)	ARID1A (2.3)
EMILIN1 (1.9)	FUT2 (1.8)
TBL2 (1.6)	SLC22A3 (1.5)
AMBRA1 (1.9)	LSM12 (1.7)
ENSG00000182319 (2	FRMD5 (2.2)
ENSG00000179523 (1	ATP13A1 (1.7)
TXNL4B (2.5)	CATSPER2 (2.4)
CELF1 (2.5)	GPN2 (2.5)
PLA2G6 (1.3)	ATG4C (1.3)
UBXN2B (2.0)	BRE (2.0)
BNC2 (2.0)	EMILIN1 (1.9)
PPY (1.8)	SLC30A3 (1.7)
GATAD2A (2.1)	NUP160 (2.1)
GATAD2A (2.3)	FNDC4 (2.3)
PTPRJ (1.7)	IZUMO1 (1.7)
IGF2R (2.2)	INTS10 (2.2)
ARID1A (1.7)	CD300LG (1.5)
GMIP (1.7)	RIC8B (1.6)
ZNF408 (2.5)	NUP160 (2.4)
MLXIPL (2.3)	TRNP1 (2.2)
MAPK10 (1.5)	FRMD5 (1.5)
MAFF (2.5)	TXNL4B (2.4)
CITED2 (2.6)	ENSG00000256746 (2
DHX38 (2.2)	PPM1G (2.1)
IMMT (1.7)	NSMAF (1.7)
ENSG00000222035 (2	GPN2 (1.9)
DHODH (3.2)	SLC5A6 (2.8)
ARHGAP1 (1.7)	ENSG00000179523 (1
LRP4 (2.0)	C19orf80 (2.0)
ENSG00000235545 (2	NEIL2 (2.0)
MADD (2.0)	BCL3 (2.0)
DOCK7 (1.8)	LRP4 (1.8)
ENSG00000236267 (1	MRPL33 (1.4)
ENSG00000236267 (1	MRPL33 (1.4)
ZNF664 (1.7)	ARHGAP1 (1.7)
HGFAC (1.7)	C2orf28 (1.5)
GALNT2 (1.6)	SUMO1 (1.5)
MAMSTR (1.6)	CCDC121 (1.6)
ZNF408 (2.4)	SUGP1 (2.4)
RIC8B (2.1)	AMBRA1 (2.0)
DOCK7 (2.9)	CKAP5 (2.8)
PTCD3 (3.0)	EIF2B4 (2.9)
NSMAF (2.3)	BAZ1B (2.3)
GPN1 (2.2)	SUMO1 (2.2)
TDH (1.8)	KLF14 (1.7)
PPIP5K1 (2.0)	MTCH2 (2.0)
PTPN13 (2.2)	ENSG00000182319 (2
G6PC3 (2.5)	TMED5 (2.4)
GTF3C2 (2.3)	ZNF335 (2.3)

ENSG00000255020 (1	RIC8B (1.5)
CKAP5 (2.8)	GTF3C2 (2.8)
BCL3 (2.0)	CMIP (1.9)
OST4 (2.6)	PTCD3 (2.0)
ZNF512 (1.8)	KDM3A (1.7)
BCL7B (2.2)	ENSG00000255020 (2
BCL7B (2.2)	ENSG00000255020 (2
NUP160 (2.6)	GTF3C2 (2.4)
CITED2 (1.8)	IFT172 (1.8)
FNDC4 (1.8)	DHODH (1.7)
C8orf49 (1.6)	TIMD4 (1.5)
CITED2 (1.8)	ENSG00000256746 (1
KANK2 (1.9)	DPYSL5 (1.7)
BAZ1B (1.7)	CAD (1.7)
PCIF1 (2.0)	C2orf28 (1.8)
PCIF1 (2.0)	C2orf28 (1.8)
NRBP1 (1.9)	GATAD2A (1.9)
PPIP5K1 (2.3)	G6PC3 (2.3)
LRP4 (2.0)	BCAM (1.9)
NRBF2 (1.4)	KLF14 (1.4)
EIF2B4 (1.9)	C8orf12 (1.8)
JMJD1C (1.9)	HDAC5 (1.8)
BUD13 (2.8)	NOP58 (2.7)
MTMR9 (1.9)	ABO (1.6)
PTPN13 (1.9)	LINC00208 (1.8)
ENSG00000234945 (1	PCIF1 (1.6)
GPN1 (2.9)	PTCD3 (2.8)
G6PC3 (1.8)	NR1H3 (1.8)
CASC4 (1.8)	FNDC4 (1.8)
KRTCAP3 (1.8)	TSSK6 (1.7)
INTS10 (2.8)	DOCK7 (2.6)
DOCK6 (1.7)	KBTBD4 (1.6)
TMEM101 (1.8)	AFF1 (1.8)
ENSG00000223522 (1	PIGV (1.7)
GPN1 (2.3)	SUGP1 (2.1)
ENSG00000200241 (2	C2orf28 (2.2)
BMPR2 (2.0)	FUT1 (1.9)
GALNT2 (1.9)	BCAM (1.9)
TMEM101 (1.9)	CCDC121 (1.9)
CCDC92 (1.7)	SFN (1.7)
SLC5A6 (3.2)	GPN2 (3.0)
SLC5A6 (3.2)	GPN2 (3.0)
ENSG00000256746 (1	KANK2 (1.6)
ENSG00000236827 (2	PGS1 (1.9)
GPN1 (2.7)	NSMAF (2.7)
BCL3 (1.6)	CTSB (1.5)
KHK (1.9)	DPYSL5 (1.6)
PCSK7 (2.0)	SIK3 (2.0)
PLTP (1.9)	LINC00208 (1.9)
GATA4 (2.1)	KDM3A (2.0)

SDCBP (1.8)	PBX4 (1.8)
REEP3 (2.2)	PACSIN3 (2.0)
FUT1 (2.1)	ENSG00000182319 (2
TSSK6 (1.7)	HAPLN4 (1.7)
FNBP4 (2.6)	GPN1 (2.5)
MPV17 (1.7)	ABCA1 (1.7)
SLC30A3 (1.9)	MPP3 (1.9)
ENSG00000236267 (1	MPP3 (1.7)
PMFBP1 (2.3)	FZD9 (2.2)
REEP3 (2.0)	NEIL2 (2.0)
GPN1 (2.6)	EIF3J (2.6)
FADS1 (2.8)	REEP3 (2.4)
CETP (1.7)	SIDT2 (1.7)
ENSG00000223745 (1	CCDC121 (1.8)
TRIB1 (1.8)	VEGFA (1.8)
KLF14 (1.8)	MADD (1.8)
SUPT7L (2.2)	RBKS (2.2)
BCL3 (1.5)	ENSG00000254235 (1
PTPN13 (1.9)	SLC30A3 (1.9)
TIMD4 (1.6)	SDCBP (1.6)
C11orf49 (1.9)	RIC8B (1.8)
DHX38 (2.1)	MADD (2.1)
DOCK6 (2.8)	LPAR2 (2.7)
EMILIN1 (1.6)	HGFAC (1.5)
PACSIN3 (2.2)	DOCK7 (2.1)
OST4 (2.6)	GTF3C2 (2.6)
CTSB (2.4)	G6PC3 (2.4)
SIK3 (2.3)	RSPO3 (2.2)
CYP26A1 (1.8)	CITED2 (1.8)
NCAN (2.1)	FUT1 (2.1)
BAZ1B (1.7)	ENSG00000223522 (1
FUT2 (2.0)	CASC4 (1.7)
GPAM (1.6)	GALNT2 (1.6)
GPAM (2.0)	CELF1 (1.9)
PYY (1.7)	ENSG00000255020 (1
BCAM (1.8)	G6PC3 (1.8)
CBLC (2.0)	JMJD1C (1.9)
SNX17 (2.3)	ENSG00000200241 (2
ENSG00000223745 (1	BRE (1.5)
CCDC92 (2.0)	GPN1 (2.0)
EIF2B4 (2.4)	TOMM40 (2.4)
ZNF664 (2.1)	PREB (1.8)
KANK2 (1.6)	PMFBP1 (1.5)
RSPO3 (1.9)	JMJD1C (1.6)
HP (2.0)	DDB2 (1.9)
CYP26A1 (2.1)	SPG11 (2.0)
REEP3 (2.2)	CCDC92 (1.9)
SUGP1 (2.0)	PCIF1 (2.0)
CETP (1.8)	ENSG00000254235 (1
PVRL2 (1.9)	CBLC (1.8)

EIF2B4 (2.9) PREB (2.8)
ENSG00000255020 (2 FRMD5 (2.0)
CATSPER2 (1.6) CETP (1.5)
PDIA3 (2.5) NRBP1 (2.3)
ENSG00000256731 (2 DUSP3 (2.1)
ENSG00000236827 (1 CSGALNACT1 (1.8)
PMFBP1 (1.9) SDCBP (1.8)
MAFF (2.2) POLR1A (2.2)
AFF1 (1.9) FAM167A (1.7)
SDC1 (1.9) ENSG00000226645 (1
C2orf53 (2.1) ENSG00000179523 (2
CETP (1.8) C1QTNF4 (1.7)
SIDT2 (2.0) KANK2 (2.0)
CGREF1 (1.6) PIGV (1.6)
CYP7A1 (2.1) SFN (2.0)
PTPN13 (2.1) ENSG00000182319 (2
CCDC18 (1.6) CSGALNACT1 (1.6)
NSMAF (1.9) ZNF335 (1.9)
DHX38 (2.2) SLC5A6 (2.2)
SPG11 (2.5) BAZ1B (2.4)
IFT172 (1.9) CATSPER2 (1.8)
CCDC18 (2.1) NRBP1 (2.1)
DR1 (2.4) DHODH (2.3)
C19orf80 (2.2) MTCH2 (2.2)
SUPT7L (2.0) PTPMT1 (1.9)
MAFF (1.9) TECTB (1.5)
AFF1 (2.0) NRBP1 (1.9)
FNBP4 (1.7) AFF1 (1.7)
PACSIN3 (1.7) PTPN13 (1.6)
PLTP (1.8) C8orf49 (1.7)
CETP (1.8) TIMD4 (1.7)
PTPMT1 (2.3) TMED5 (2.2)
DPYSL5 (2.7) C11orf49 (2.1)
SLC22A3 (1.6) MRPL33 (1.6)
ENSG00000257711 (1 TRIM54 (1.8)
PVRL2 (1.9) DOCK7 (1.8)
ZNF335 (1.9) RSPO3 (1.9)
ARFGAP2 (1.5) KBTBD4 (1.5)
BCL7B (1.9) ZNF259 (1.8)
TXNL4B (1.9) ATG4C (1.9)
ENSG00000235545 (1 GATAD2A (1.8)
CGREF1 (1.8) TAGLN (1.7)
CGREF1 (1.8) TAGLN (1.7)
LPAR2 (1.9) TRIB1 (1.8)
PYY (2.2) C11orf9 (2.1)
CITED2 (1.7) HAVCR1 (1.7)
FEN1 (1.8) LSM12 (1.8)
INTS10 (2.3) IGF2R (2.3)
CELF1 (2.3) GPN2 (2.1)
CSGALNACT1 (1.7) PTPN13 (1.7)

IZUMO1 (1.7)	NFE2L3 (1.7)
OST4 (2.5)	FNBP4 (2.4)
PTPN13 (2.0)	FRMD5 (1.9)
CITED2 (2.4)	DR1 (2.2)
CITED2 (2.4)	DR1 (2.2)
CITED2 (2.4)	DR1 (2.2)
GTF3C2 (2.9)	EIF2B4 (2.9)
GTF3C2 (2.8)	CKAP5 (2.8)
KHK (1.8)	BMPR2 (1.8)
BUD13 (2.3)	TP53BP1 (2.3)
IFT172 (1.9)	ENSG00000256731 (1
ZDHHC18 (2.1)	GALNT2 (2.0)
MFAP1 (2.9)	KBTBD4 (2.8)
ATG4C (2.0)	GPN2 (1.9)
AGBL5 (1.9)	NSMAF (1.9)
GPN2 (2.3)	AGBL5 (2.3)
PAFAH1B2 (2.1)	NCAN (2.0)
PVRL2 (1.9)	ENSG00000200241 (1
LPAL2 (2.2)	CCDC121 (2.2)
PLTP (2.1)	CLPTM1 (2.0)
TRNP1 (1.7)	IGF2R (1.6)
FRMD5 (1.4)	SDC1 (1.4)
KANK2 (2.1)	PLTP (2.1)
ENSG00000182319 (2	MADD (2.0)
G6PC3 (2.0)	TSSK6 (1.8)
PAFAH1B2 (1.9)	KLF14 (1.8)
PVRL2 (1.9)	APOB (1.9)
KLF14 (1.8)	CD300LG (1.7)
FUT2 (2.1)	SDC1 (2.0)
CAD (2.5)	DR1 (2.5)
UCN (1.6)	TIMD4 (1.6)
GCKR (1.9)	DUSP3 (1.8)
UBXN2B (1.9)	BCL3 (1.9)
ZNF513 (2.4)	ZNF335 (2.3)
ENSG00000256731 (2	MPV17 (2.1)
KBTBD4 (2.6)	NOP58 (2.6)
SDCBP (1.9)	CMIP (1.9)
DNAJC5G (2.1)	CYP26A1 (2.1)
F2 (2.1)	CCDC92 (2.0)
MAU2 (1.8)	NOP58 (1.7)
MAU2 (1.8)	NOP58 (1.7)
DHX38 (2.5)	IMMT (2.5)
TP53BP1 (2.5)	DOCK7 (2.4)
TRIB1 (1.6)	NRBF2 (1.6)
RASIP1 (1.8)	MAMSTR (1.8)
HGFAC (2.0)	SLC22A1 (2.0)
DR1 (2.4)	CTDSPL2 (2.3)
DR1 (2.4)	CTDSPL2 (2.3)
DR1 (2.4)	CTDSPL2 (2.3)
MFAP1 (2.6)	MTF2 (2.5)

CCDC18 (2.0)	ENSG00000226645 (2
DOCK7 (2.6)	TP53BP1 (2.6)
RFX4 (1.8)	BCL3 (1.7)
KLF14 (2.0)	MAFF (1.9)
C2orf28 (1.2)	ENSG00000236267 (1
TSSK6 (2.2)	DR1 (2.1)
NAT2 (1.9)	TM6SF2 (1.8)
FUT1 (2.3)	ENSG00000182319 (2
CLPTM1 (2.0)	NRBP1 (2.0)
VEGFA (2.0)	CYP26A1 (1.8)
ENSG00000255020 (1	SLC22A3 (1.9)
DOCK6 (1.8)	BCAM (1.6)
TRIM54 (1.9)	MAP1A (1.9)
MAP1A (1.7)	KLF14 (1.7)
ZNF259 (2.1)	TXNL4B (2.1)
ZNF664 (2.0)	GPN2 (2.0)
PPM1G (2.9)	NUP160 (2.9)
BMPR2 (1.9)	PLTP (1.9)
ABCA1 (1.7)	CTSB (1.6)
G6PC3 (2.0)	CILP2 (1.8)
PBX4 (1.8)	LPAR2 (1.6)
CGREF1 (1.7)	CMIP (1.6)
ENSG00000234945 (1	AFF1 (1.7)
SLC5A6 (1.4)	MAPRE3 (1.3)
SDCBP (1.8)	MPP3 (1.8)
ENSG00000235545 (2	ZNF408 (2.2)
PLA2G6 (2.4)	MPV17 (2.2)
MAFF (2.1)	EIF2B4 (2.1)
PREB (2.3)	SLC22A1 (2.3)
NRBP1 (2.7)	PDIA3 (2.5)
SLC22A3 (1.5)	GALNT2 (1.4)
TRIB1 (2.0)	GATAD2A (2.0)
PLA2G6 (2.5)	CLPTM1 (2.4)
PPM1G (1.7)	NAGS (1.6)
SPG11 (2.1)	HARBI1 (2.1)
SPG11 (2.1)	HARBI1 (2.1)
RSPO3 (2.2)	FZD9 (2.1)
GATAD2A (1.7)	FUT2 (1.7)
MAPRE3 (1.8)	APOB (1.8)
SNX17 (2.1)	GATA4 (2.0)
CD300LG (1.8)	KLF14 (1.7)
CD300LG (1.8)	KLF14 (1.7)
FUT1 (1.8)	PMFBP1 (1.7)
ZNF664 (2.1)	TP53BP1 (2.0)
SIDT2 (1.9)	SPG11 (1.7)
FADS2 (1.9)	ENSG00000253379 (1
TMEM101 (2.8)	IMMT (2.8)
DOCK7 (2.1)	GTF3C2 (2.0)
CELF1 (1.8)	PACSIN3 (1.7)
PTPRJ (1.7)	BCL3 (1.6)

PPY (1.6)	KANK2 (1.6)
POLR1A (2.7)	PTCD3 (2.6)
DHX38 (2.8)	TP53BP1 (2.6)
CMIP (1.8)	TRNP1 (1.7)
CYP26A1 (1.9)	PLTP (1.6)
ENSG00000234945 (1	PMFBP1 (1.6)
C1orf172 (2.2)	SFN (2.2)
ARFGAP2 (2.1)	MADD (2.1)
ENSG00000236267 (2	IZUMO1 (2.0)
G6PC3 (1.7)	REEP3 (1.7)
DOCK7 (2.4)	CTDSPL2 (2.3)
IFT172 (1.7)	TMED5 (1.7)
CLPTM1 (1.9)	LRP4 (1.9)
BAZ1B (2.0)	SUPT7L (1.9)
ENSG00000179523 (1	DUSP3 (1.9)
FUT2 (1.7)	CCDC18 (1.6)
ENSG00000182319 (2	AFF1 (2.3)
PPM1G (2.0)	WDR76 (2.0)
PPM1G (2.6)	USP1 (2.5)
ENSG00000256731 (2	TAGLN (1.9)
TRIB1 (1.6)	EIF3J (1.6)
IMMT (2.1)	DHX38 (2.0)
MTMR9 (1.7)	TRIB1 (1.7)
KRTCAP3 (1.9)	ENSG00000234945 (1
AGBL5 (1.8)	GATA4 (1.7)
C2orf53 (1.7)	KRTCAP3 (1.5)
FADS2 (2.8)	REEP3 (2.6)
ZNF408 (1.7)	GATAD2A (1.6)
ENSG00000234945 (2	JMJD1C (2.0)
DR1 (2.0)	PCIF1 (2.0)
HP (1.8)	SLC22A3 (1.7)
OST4 (1.9)	PIGV (1.9)
TOMM40 (2.0)	GPN1 (2.0)
ZNF664 (2.3)	ZNF335 (2.3)
PTPMT1 (2.1)	AFF1 (2.1)
ZNF512 (2.5)	DR1 (2.5)
G6PC3 (2.0)	EIF2B4 (2.0)
SLC22A3 (1.9)	IZUMO1 (1.8)
PDIA3 (1.7)	LSM12 (1.7)
DHX38 (2.0)	NOP58 (2.0)
ENSG00000182319 (1	CELF1 (1.8)
JMJD1C (2.0)	TP53BP1 (2.0)
DOCK7 (2.0)	NOP58 (1.9)
ZNF513 (2.0)	LSM12 (1.8)
PACSIN3 (2.5)	SIK3 (2.2)
PYY (1.9)	CD300LG (1.8)
ENSG00000179523 (1	CITED2 (1.6)
BMPR2 (1.8)	ENSG00000226645 (1
PPM1G (1.9)	EIF3J (1.8)
LPAR2 (2.3)	IGF2R (2.3)

RFX4 (1.8)	COBLL1 (1.7)
LPL (2.1)	KANK2 (2.1)
MPV17 (2.4)	PTPMT1 (2.3)
TOMM40 (1.9)	BMPR2 (1.8)
NUP160 (2.5)	ENSG00000226645 (2
GPN1 (2.0)	IMMT (2.0)
LINC00208 (1.9)	SLC22A1 (1.8)
PTPN13 (1.7)	ABO (1.7)
CGREF1 (1.9)	STRC (1.6)
ENSG00000234945 (2	CCDC121 (2.1)
ATG13 (1.7)	JMJD1C (1.7)
SDC1 (2.2)	BNC2 (2.1)
TXNL4B (1.7)	EIF3J (1.7)
EIF3J (2.6)	DHX38 (2.2)
C2orf16 (1.9)	MPP2 (1.7)
SUPT7L (2.7)	OST4 (2.5)
LINC00208 (2.1)	ENSG00000234945 (2
CD300LG (1.5)	BUD13 (1.5)
LPL (1.8)	G6PC3 (1.7)
LPL (1.8)	G6PC3 (1.7)
VEGFA (1.5)	FUT2 (1.5)
MADD (2.1)	MAPK10 (2.1)
C1QTNF4 (2.0)	PACSIN3 (1.9)
ZNF512 (1.9)	BUD13 (1.9)
GMIP (1.6)	PTPN13 (1.5)
FAM167A (1.7)	PPIP5K1 (1.7)
C17orf105 (2.0)	TSSK6 (1.9)
PTCD3 (2.5)	CAD (2.5)
C2orf16 (1.8)	C1QTNF4 (1.7)
FADS2 (2.3)	CATSPER2 (2.3)
C8orf49 (1.5)	PBX4 (1.4)
BMPR2 (1.8)	MAPRE3 (1.8)
TUBGCP4 (2.1)	SLC5A6 (2.1)
HAVCR1 (1.9)	ABCA1 (1.9)
TRIB1 (1.7)	KANK2 (1.6)
CETP (1.8)	DDB2 (1.7)
AGBL5 (1.7)	PVRL2 (1.5)
PLTP (2.1)	TECTB (1.9)
REEP3 (2.2)	CMIP (2.0)
ATP13A1 (2.4)	MPV17 (2.3)
DHX38 (2.2)	ATP13A1 (2.2)
REEP3 (1.8)	ENSG00000256731 (1
PIGV (1.8)	ENSG00000235545 (1
C2orf16 (1.8)	TMEM175 (1.7)
CD300LG (2.0)	DNAJC5G (2.0)
EIF2B4 (2.9)	PREB (2.8)
PTPRJ (1.7)	GMIP (1.6)
TBL2 (3.6)	ACP2 (2.8)
CTDSPL2 (1.9)	NSMAF (1.9)
PREB (2.4)	PDIA3 (2.3)

TBL2 (2.2)	MFAP1 (2.1)
TMEM214 (2.5)	MPP2 (2.5)
CMIP (1.9)	GMIP (1.8)
PBX4 (2.0)	FAM167A (2.0)
CHMP3 (2.0)	SNX17 (2.0)
IMMT (2.8)	PDIA3 (2.6)
KANK2 (1.6)	KLF14 (1.6)
EMILIN1 (1.9)	DOCK6 (1.9)
BCAM (2.0)	DNAJC5G (1.9)
EIF3J (2.6)	CAD (2.5)
LPAR2 (1.8)	PTPRJ (1.8)
ENSG00000182329 (1	HP (1.8)
GATAD2A (1.7)	ENSG00000223522 (1
PIGV (2.4)	HAVCR1 (2.4)
ENSG00000226645 (1	CATSPER2 (1.7)
CHMP3 (1.9)	KANK2 (1.9)
IGF2R (2.0)	HAPLN4 (1.8)
ARFGAP2 (1.9)	CCDC121 (1.8)
ACP2 (1.6)	BCL3 (1.6)
SFN (2.0)	FUT2 (1.9)
TP53BP1 (2.8)	ENSG00000182329 (2
STRC (0.8)	DUSP3 (0.7)
BNC2 (2.4)	GMIP (2.1)
PPIP5K1 (2.3)	PDIA3 (2.2)
PCSK7 (2.1)	AFF1 (2.0)
UCN (2.2)	SUGP1 (2.1)
NAGS (2.1)	ATG13 (2.0)
GATAD2A (1.7)	PVRL2 (1.7)
SDC1 (2.1)	CSGALNACT1 (2.0)
PLTP (1.8)	ENSG00000236267 (1
IGF2R (2.3)	C11orf9 (2.3)
HARBI1 (1.7)	GMIP (1.6)
SDCBP (1.7)	NAT2 (1.7)
NOP58 (2.6)	USP1 (2.6)
IZUMO1 (1.2)	LRP4 (1.2)
CYP26A1 (1.8)	ARID1A (1.8)
BMPR2 (1.6)	CITED2 (1.6)
NSMAF (1.9)	BUD13 (1.9)
HAVCR1 (1.6)	ENSG00000182319 (1
EIF3J (2.0)	SUMO1 (1.9)
ENSG00000236827 (0	ENSG00000182319 (0
ABHD1 (2.0)	BCL3 (2.0)
GATAD2A (2.0)	PACSIN3 (1.9)
INTS10 (2.1)	TOMM40 (2.0)
ABO (2.1)	MAP1A (2.1)
ENSG00000235545 (1	TBL2 (1.7)
ENSG00000235545 (1	TBL2 (1.7)
GPN2 (2.0)	RBKS (1.9)
JMJD1C (1.9)	ATG4C (1.8)
C11orf9 (1.7)	PLTP (1.7)

TMED5 (2.3)	FDFT1 (1.7)
DOCK6 (1.5)	ATG13 (1.4)
C1QTNF4 (2.0)	RSPO3 (2.0)
FUT1 (2.1)	SIK3 (2.0)
BCAM (2.1)	CYP26A1 (2.0)
POLR1A (2.5)	PPM1G (2.4)
MRPL35 (3.0)	CAD (3.0)
LPAL2 (1.6)	EPB41L3 (1.6)
GPAM (2.4)	BMPR2 (2.3)
CASC4 (1.9)	ATP13A1 (1.9)
MPV17 (1.7)	PCSK7 (1.7)
ZDHHC18 (2.1)	GMIP (2.0)
PAFAH1B2 (2.3)	PPM1G (2.2)
RBKS (2.2)	ENSG00000235545 (1
CAD (2.5)	DHODH (2.4)
TP53BP1 (2.1)	PTPRJ (2.1)
CETP (2.2)	C2orf53 (2.2)
RSPO3 (1.5)	DPYSL5 (1.4)
RSPO3 (2.4)	ACP2 (2.3)
IGF2R (2.0)	RASIP1 (1.8)
PPM1G (2.2)	KANK2 (2.1)
TAGLN (1.9)	DDB2 (1.9)
NDUFS3 (2.1)	ARHGAP1 (2.0)
NUP160 (2.1)	POLR1A (2.1)
NUP160 (2.1)	POLR1A (2.1)
MLXIPL (1.9)	TM6SF2 (1.7)
SIK3 (2.2)	CSGALNACT1 (2.0)
CHMP3 (2.1)	TOMM40 (2.0)
ENSG00000226645 (2	CBLC (2.0)
KANK2 (1.8)	LINC00208 (1.7)
TRNP1 (2.1)	UCN (2.1)
TMEM175 (1.8)	C2orf53 (1.8)
DPYSL5 (2.1)	APOA5 (1.9)
PPIP5K1 (2.0)	EPB41L3 (1.9)
SIK3 (1.7)	FADS1 (1.7)
ENSG00000254235 (1	NFE2L3 (1.7)
CMIP (2.5)	CTDSPL2 (2.4)
SLC22A3 (2.0)	NRBP1 (2.0)
SIDT2 (1.7)	ENSG00000182319 (1
FAM167A (1.9)	PBX4 (1.9)
TAGLN (2.5)	NRBP1 (2.5)
EIF3J (2.5)	EIF2B4 (2.4)
IMMT (2.4)	CLPTM1 (2.3)
IGF2R (2.0)	SPG11 (2.0)
LPAR2 (2.1)	ARID1A (2.1)
PIGV (1.8)	FUT1 (1.7)
NAGS (2.1)	MLXIPL (2.1)
EIF2B4 (2.9)	GTF3C2 (2.8)
CITED2 (1.6)	REEP1 (1.6)
APOA4 (1.9)	MAPRE3 (1.8)

HAVCR1 (1.9)	ENSG00000236267 (1
IMMT (1.9)	ENSG00000256746 (1
ABO (1.9)	IGF2R (1.8)
KDM3A (2.0)	GPN1 (1.9)
TMEM175 (2.5)	FDFT1 (2.4)
MTMR9 (1.6)	TIMD4 (1.6)
SPG11 (2.2)	CCDC92 (2.0)
MTF2 (1.8)	CTDSPL2 (1.7)
CYP7A1 (1.9)	LINC00208 (1.8)
ENSG00000253379 (2	CTSB (2.1)
CITED2 (2.0)	TBL2 (1.8)
CELF1 (1.8)	MADD (1.7)
ANGPTL4 (1.7)	AFF1 (1.6)
TRIM54 (2.2)	FNDC4 (1.9)
PBX4 (1.7)	ENSG00000223522 (1
KANK2 (2.0)	GALNT2 (1.9)
IGF2R (2.1)	EMILIN1 (2.0)
NEIL2 (1.9)	POLR1A (1.9)
LPAR2 (1.8)	NCAN (1.8)
SLC5A6 (3.2)	GPN2 (2.8)
GTF3C2 (2.9)	EIF2B4 (2.9)
SDC1 (2.4)	SOST (2.3)
FUT2 (2.2)	GALNT2 (2.1)
KRTCAP3 (2.3)	TRNP1 (2.3)
MTCH2 (2.3)	TMEM214 (2.3)
CSGALNACT1 (1.9)	HDAC5 (1.9)
TOMM40 (1.7)	MRPL35 (1.6)
IMMT (2.0)	CGREF1 (1.9)
PTPMT1 (3.1)	C2orf28 (2.8)
COBLL1 (1.8)	ABO (1.8)
ENSG00000236827 (1	SDC1 (1.9)
PDIA3 (2.3)	GPN1 (2.2)
PTPN13 (2.3)	CYP26A1 (2.3)
ANGPTL4 (1.7)	ABCA1 (1.6)
TDH (1.8)	TMEM101 (1.8)
ATG4C (1.3)	ENSG00000236827 (1
KANK2 (2.0)	DOCK6 (1.9)
ENSG00000236827 (1	ZNF513 (1.5)
SDCBP (2.1)	VEGFA (1.9)
IFT172 (1.4)	TDH (1.4)
CAD (2.6)	POLR1A (2.6)
AFF1 (2.4)	SPG11 (2.3)
PTPN13 (2.0)	LRP4 (1.9)
C11orf9 (1.8)	FAM167A (1.8)
EIF3J (1.8)	ENSG00000235545 (1
GALNT2 (2.7)	ACP2 (2.3)
SDC1 (2.0)	ZNF664 (2.0)
NR0B2 (2.3)	MAMSTR (2.1)
TRIB1 (1.7)	ARID1A (1.7)
CLPTM1 (2.0)	EIF3J (2.0)

C1orf172 (1.9)	DOCK6 (1.9)
PPIP5K1 (1.9)	IFT172 (1.9)
LSM12 (2.4)	BUD13 (2.4)
LPL (1.8)	LPAL2 (1.7)
LPL (1.7)	FUT2 (1.7)
FZD9 (1.8)	ENSG00000234945 (1
PTPMT1 (2.8)	ENSG00000223745 (2
SLC22A3 (1.7)	ANGPTL4 (1.6)
KLF14 (1.9)	DNAH10 (1.7)
INTS10 (2.7)	KBTBD4 (2.6)
NR0B2 (2.2)	NR1H3 (2.1)
BCAM (2.1)	PDIA3 (2.1)
BAZ1B (2.1)	DHX38 (2.0)
KDM3A (2.3)	NFE2L3 (2.3)
DPYSL5 (2.1)	PACSIN3 (2.1)
DPYSL5 (2.1)	PACSIN3 (2.1)
TOMM40 (1.8)	CTDSPL2 (1.7)
ACP2 (1.6)	BRE (1.6)
REEP1 (2.1)	MPP3 (2.1)
AGBL5 (1.5)	PCSK7 (1.4)
ATG4C (2.1)	EIF3J (2.0)
MAPRE3 (1.7)	CD300LG (1.7)
PCIF1 (2.1)	PPM1G (1.7)
FADS2 (2.2)	FADS1 (2.2)
ANGPTL3 (2.0)	CYP7A1 (1.9)
MTMR9 (2.1)	MTF2 (2.0)
ARHGAP1 (1.9)	SFN (1.9)
MAPK10 (2.0)	NDUFS3 (1.9)
IZUMO1 (2.1)	PPY (1.9)
CSGALNACT1 (2.2)	PCSK7 (2.2)
ZNF664 (2.0)	TP53BP1 (1.9)
NEIL2 (1.8)	MAPK10 (1.8)
ARFGAP2 (2.8)	OST4 (2.6)
PLTP (2.0)	APOC1 (1.9)
ZNF512 (2.3)	NRBP1 (2.2)
KBTBD4 (2.5)	C11orf49 (2.4)
BCAM (2.3)	DUSP3 (2.2)
EMILIN1 (2.6)	TMEM101 (2.4)
HARBI1 (2.7)	MADD (2.7)
GATA4 (2.1)	RASIP1 (2.1)
CAD (2.7)	IMMT (2.6)
TMEM101 (1.9)	LPAR2 (1.8)
ENSG00000226645 (1	BMPR2 (1.5)
HAVCR1 (2.3)	C1orf172 (2.3)
CCDC92 (1.9)	ENSG00000256731 (1
DHODH (2.7)	CAD (2.6)
SUPT7L (2.2)	PREB (2.0)
ARHGAP1 (2.3)	DUSP3 (2.2)
PVRL2 (1.7)	CYP26A1 (1.7)
C11orf9 (1.9)	DPYSL5 (1.9)

C2orf16 (2.2)	ENSG00000182319 (2
C2orf28 (2.0)	VEGFA (1.9)
IGF2R (2.1)	PYY (2.0)
ABO (1.7)	NAGS (1.7)
MAU2 (2.4)	AFF1 (2.4)
ENSG00000253379 (1	PBX4 (1.5)
ENSG00000256746 (1	BLK (1.5)
IGF2R (2.4)	AFF1 (2.3)
SDCBP (1.7)	NEIL2 (1.6)
ENSG00000222035 (1	PMFBP1 (1.9)
ENSG00000255020 (2	PTPRJ (2.0)
ARFGAP2 (1.4)	ENSG00000223522 (1
PTPMT1 (2.0)	MPP3 (2.0)
ZNF664 (2.0)	JMJD1C (1.8)
PPIP5K1 (1.7)	TAGLN (1.6)
SLC22A3 (1.9)	ENSG00000235545 (1
STRC (2.0)	SFN (1.9)
ENSG00000234945 (1	PMFBP1 (1.6)
C8orf12 (2.2)	LSM12 (2.2)
ENSG00000236267 (1	KHK (1.8)
ENSG00000236267 (1	KHK (1.8)
MAPK10 (1.7)	ENSG00000253379 (1
TRIB1 (1.7)	ENSG00000200241 (1
IMMT (1.9)	TRIB1 (1.9)
CHMP3 (2.2)	PACSIN3 (2.2)
HAPLN4 (2.0)	C11orf9 (1.9)
HAPLN4 (2.0)	C11orf9 (1.9)
PIGV (1.8)	C1orf172 (1.8)
TMEM101 (2.3)	LINC00208 (2.2)
BUD13 (2.1)	CKAP5 (2.1)
MFAP1 (2.2)	BAZ1B (2.1)
ZNF408 (1.9)	PTCD3 (1.9)
GATAD2A (2.6)	GTF3C2 (2.3)
DPYSL5 (2.2)	LRP4 (2.1)
UCN (1.7)	LPL (1.7)
GTF3C2 (2.4)	ARFGAP2 (2.4)
TUBGCP4 (2.2)	MAU2 (2.2)
AGBL5 (2.2)	DHX38 (2.1)
C11orf9 (2.1)	PLA2G6 (2.0)
DDB2 (1.6)	ABCA1 (1.6)
PYY (2.3)	ENSG00000182319 (2
EIF2B4 (2.5)	TMEM175 (2.3)
PTCD3 (2.2)	NSMAF (2.0)
ARFGAP2 (2.6)	PTCD3 (2.5)
LSM12 (2.0)	PCIF1 (2.0)
GTF3C2 (3.0)	PTCD3 (3.0)
ARHGAP1 (1.5)	SLC30A3 (1.5)
CASC4 (1.8)	C2orf16 (1.8)
HDAC5 (1.9)	TDH (1.6)
LINC00208 (1.9)	MRPL33 (1.9)

UBXN2B (2.1)	PPM1G (2.1)
KLF14 (1.5)	MPP2 (1.5)
JMJD1C (2.1)	AFF1 (2.0)
ANGPTL4 (2.4)	MPP2 (2.3)
TECTB (1.7)	C2orf53 (1.7)
SDC1 (1.9)	ANGPTL3 (1.7)
DHX38 (2.0)	STRC (1.9)
ATG4C (1.9)	DR1 (1.8)
WDR76 (1.9)	BAZ1B (1.8)
SFN (1.8)	FZD9 (1.7)
CCDC121 (1.9)	ENSG00000254235 (1
ABHD1 (1.8)	PTCD3 (1.8)
PGS1 (2.3)	SDCBP (2.2)
PDIA3 (1.6)	NDUFS3 (1.6)
MYBPC3 (2.2)	SLC22A3 (2.1)
MPP2 (2.2)	LIPC (2.1)
MADD (2.5)	BUD13 (2.5)
PBX4 (1.9)	ENSG00000182319 (1
FRMD5 (1.7)	ABO (1.6)
ZNF664 (1.9)	ENSG00000254235 (1
TAGLN (2.3)	BMPR2 (2.2)
SLC5A6 (2.5)	NUP160 (2.4)
C2orf16 (1.8)	LINC00208 (1.7)
KDM3A (1.7)	CD300LG (1.7)
CSGALNACT1 (1.7)	EPB41L3 (1.5)
CTDSPL2 (2.0)	INTS10 (1.9)
BCL3 (1.5)	SLC22A1 (1.5)
PCSK7 (1.7)	C2orf16 (1.6)
POLR1A (2.9)	CAD (2.4)
LPAR2 (1.7)	TSSK6 (1.7)
PPIP5K1 (1.9)	SDCBP (1.9)
C2orf16 (1.7)	TUBGCP4 (1.6)
PLA2G6 (2.1)	ATG4C (2.1)
MAPRE3 (1.7)	FADS2 (1.7)
NOP58 (2.3)	NSMAF (2.1)
DPYSL5 (1.9)	EMILIN1 (1.8)
IFT172 (1.7)	SFN (1.6)
UCN (1.9)	CYP7A1 (1.9)
ENSG00000257711 (1	CMIP (1.8)
TRNP1 (2.2)	LPAR2 (2.2)
NSMAF (2.0)	CTDSPL2 (1.9)
CD300LG (1.9)	KLF14 (1.7)
ZNF512 (2.0)	FRMD5 (1.9)
CYP7A1 (1.9)	BMPR2 (1.8)
BRE (2.1)	MTMR9 (2.0)
ATG13 (2.5)	GPN2 (2.4)
IMMT (1.9)	OST4 (1.8)
GATAD2A (1.8)	PTPMT1 (1.7)
CD300LG (1.3)	MYBPC3 (1.3)
CASC4 (2.2)	SUGP1 (2.2)

CCDC121 (2.1)	WDR76 (2.0)
GMIP (1.9)	SDCBP (1.9)
C11orf49 (2.2)	ZNF664 (2.0)
CETP (1.8)	GMIP (1.8)
REEP3 (2.0)	HDAC5 (1.8)
HDAC5 (2.1)	MAU2 (2.0)
BCL3 (1.8)	SLC5A6 (1.7)
NCAN (2.0)	GATAD2A (2.0)
NCAN (2.0)	GATAD2A (2.0)
DHX38 (2.0)	JMJD1C (2.0)
TSSK6 (1.8)	PTPN13 (1.8)
C1orf172 (1.8)	AFF1 (1.8)
NUP160 (2.4)	BAZ1B (2.4)
ENSG00000236827 (1	FAM167A (1.8)
VEGFA (1.7)	BCAM (1.6)
SIDT2 (1.7)	PBX4 (1.6)
CHMP3 (2.0)	MPP3 (2.0)
NSMAF (1.8)	RBKS (1.8)
ATP13A1 (2.3)	DHODH (2.3)
LPAR2 (2.0)	BLK (1.9)
SUMO1 (1.8)	IFT172 (1.7)
SPG11 (2.2)	CCDC92 (2.1)
FUT1 (2.0)	NRBF2 (1.8)
REEP1 (2.1)	FADS2 (2.0)
ARHGAP1 (1.8)	RSPO3 (1.8)
MAU2 (2.6)	POLR1A (2.6)
PGS1 (1.8)	CATSPER2 (1.8)
ENSG00000226645 (1	PAFAH1B2 (1.7)
TMEM101 (2.4)	C2orf28 (2.4)
C11orf9 (1.9)	PTPN13 (1.8)
TP53BP1 (2.1)	NRBP1 (2.1)
ENSG00000182329 (1	KRTCAP3 (1.4)
ENSG00000182319 (2	NAT2 (1.9)
DHODH (2.3)	GPN2 (2.3)
GPAM (2.0)	AMBRA1 (2.0)
SOST (1.7)	RBKS (1.7)
DPYSL5 (2.3)	NFE2L3 (2.3)
APOC1 (1.4)	ACP2 (1.4)
USP1 (1.8)	TRIM54 (1.8)
CHMP3 (2.0)	SIK3 (1.9)
IZUMO1 (2.0)	FUT1 (1.9)
FUT2 (1.7)	DR1 (1.7)
ATP13A1 (2.1)	TP53BP1 (2.1)
ABCA1 (2.1)	HARBI1 (2.0)
UBXN2B (2.0)	MAU2 (2.0)
PMFBP1 (2.1)	ENSG00000255020 (2
CSGALNACT1 (1.6)	BCAM (1.5)
CYP7A1 (2.0)	HAPLN4 (1.9)
SOST (2.1)	UCN (2.0)
MPP3 (1.9)	DR1 (1.9)

MAPK10 (2.2)	SNX17 (2.2)
SLC30A3 (1.7)	CGREF1 (1.6)
NRBP1 (2.4)	TXNL4B (2.4)
ENSG00000182319 (1	CELF1 (1.6)
HAPLN4 (1.3)	SNX17 (1.3)
MPP2 (1.8)	C8orf49 (1.7)
CHMP3 (2.0)	SDCBP (2.0)
MYBPC3 (1.9)	CLPTM1 (1.8)
PTPRJ (2.0)	NEIL2 (1.8)
CKAP5 (2.6)	USP1 (2.4)
NR0B2 (1.4)	ENSG00000182319 (1
NUP160 (2.7)	BUD13 (2.7)
ENSG00000236827 (2	BUD13 (1.9)
HAPLN4 (1.8)	DHODH (1.8)
HAPLN4 (1.8)	DHODH (1.8)
CATSPER2 (1.9)	MPP2 (1.9)
MFAP1 (1.8)	DR1 (1.8)
SFN (2.1)	TSSK6 (2.1)
PVRL2 (1.9)	ARID1A (1.8)
PPIP5K1 (2.2)	MPV17 (2.1)
AFF1 (2.3)	C11orf9 (2.3)
CATSPER2 (1.8)	PIGV (1.7)
ARFGAP2 (2.5)	IMMT (2.3)
APOE (1.7)	KRTCAP3 (1.7)
TBL2 (2.4)	GALNT2 (2.2)
LRP4 (2.2)	ENSG00000226645 (2
CYP7A1 (1.6)	SIK3 (1.5)
ENSG00000253379 (2	CTDSPL2 (2.1)
INTS10 (2.1)	FEN1 (2.1)
ZDHHC18 (1.5)	HAVCR1 (1.4)
WDR76 (1.4)	POLR1A (1.4)
DHODH (2.2)	EIF3J (2.1)
BCAM (2.2)	STRC (2.1)
PTPRJ (2.3)	DHX38 (2.1)
EPB41L3 (2.0)	ENSG00000255020 (2
PREB (2.1)	PPM1G (2.1)
RIC8B (2.2)	ZNF335 (2.2)
G6PC3 (2.4)	PIGV (2.4)
ATP13A1 (1.6)	ENSG00000226645 (1
C1orf172 (1.9)	RFX4 (1.7)
PIGV (2.1)	EPB41L3 (2.1)
PAFAH1B2 (2.2)	MTF2 (2.1)
ABO (1.7)	DDB2 (1.6)
DNAH10 (1.6)	TECTB (1.5)
CBLC (1.3)	FNBP4 (1.3)
PBX4 (1.7)	MTF2 (1.7)
EIF3J (2.7)	EIF2B4 (2.6)
SIK3 (1.9)	BRE (1.8)
PTPN13 (1.9)	KRTCAP3 (1.9)
MFAP1 (2.1)	APOC1 (1.9)

IGF2R (2.1)	CCDC121 (2.1)
SIK3 (1.6)	NFE2L3 (1.6)
FRMD5 (2.1)	ENSG00000234945 (2
DUSP3 (1.7)	SOST (1.6)
TMEM175 (2.0)	FZD9 (1.9)
DR1 (1.4)	MLXIPL (1.4)
PPIP5K1 (2.4)	GMIP (2.3)
JMJD1C (1.9)	DHX38 (1.8)
NOP58 (2.1)	TMEM214 (2.1)
NOP58 (2.7)	PCIF1 (2.6)
KHK (1.8)	KLF14 (1.7)
ARID1A (1.9)	DHX38 (1.8)
RIC8B (1.9)	ENSG00000182329 (1
PIGV (2.1)	ENSG00000256731 (2
LPL (2.9)	C8orf49 (2.8)
PAFAH1B2 (1.9)	C2orf53 (1.8)
GMIP (2.0)	FUT2 (2.0)
BMPR2 (2.0)	CYP26A1 (1.7)
SNX17 (1.9)	MAMSTR (1.8)
CATSPER2 (1.5)	ENSG00000256731 (1
ATP13A1 (1.8)	PDIA3 (1.8)
NCAN (2.0)	LRP4 (2.0)
CELF1 (1.9)	KBTBD4 (1.9)
MAP1A (1.7)	PAFAH1B2 (1.7)
SOST (2.0)	MAU2 (2.0)
PLA2G6 (1.6)	APOE (1.5)
PLA2G6 (1.6)	APOE (1.5)
PPY (1.8)	NAGS (1.7)
STRC (2.2)	KLF14 (2.1)
AGBL5 (2.1)	IGF2R (2.0)
PBX4 (2.0)	ABO (2.0)
NDUFS3 (2.7)	PTCD3 (2.6)
C8orf49 (2.0)	DUSP3 (1.9)
NCAN (1.8)	LINC00208 (1.7)
SDCBP (1.7)	SFN (1.7)
ENSG00000235545 (2	PTPN13 (2.3)
DR1 (2.0)	NCAN (2.0)
CILP2 (1.8)	ABCA1 (1.8)
KLF14 (2.1)	ZNF512 (2.1)
CBLC (1.3)	SUGP1 (1.3)
ENSG00000182319 (1	IFT172 (1.7)
C11orf9 (1.7)	G6PC3 (1.4)
TAGLN (1.8)	CASC4 (1.8)
PMFBP1 (1.8)	G6PC3 (1.7)
TMED5 (1.8)	ENSG00000256731 (1
SPG11 (1.9)	CMIP (1.9)
C8orf49 (2.0)	CATSPER2 (2.0)
ENSG00000257711 (2	ENSG00000226645 (1
UCN (1.7)	SLC5A6 (1.7)
ENSG00000255020 (2	C11orf9 (2.3)

ENSG00000182329 (1	C2orf16 (1.6)
KLF14 (1.9)	ENSG00000236267 (1
WDR76 (1.8)	BUD13 (1.7)
EPB41L3 (2.4)	EMILIN1 (2.2)
REEP3 (1.8)	RFX4 (1.8)
STRC (2.0)	ZDHHC18 (2.0)
CTDSPL2 (2.6)	POLR1A (2.5)
POLR1A (1.5)	UCN (1.4)
PACSIN3 (2.0)	DUSP3 (1.9)
KANK2 (1.4)	TAGLN (1.4)
ZNF335 (2.4)	BCL7B (2.4)
NEIL2 (1.6)	RBKS (1.4)
JMJD1C (2.2)	MTF2 (2.1)
INTS10 (2.1)	DHX38 (2.0)
LRP4 (1.5)	C2orf53 (1.5)
BRE (2.6)	TMED5 (2.5)
KRTCAP3 (1.8)	SPG11 (1.7)
GTF3C2 (2.6)	CTDSPL2 (2.6)
C2orf28 (1.7)	TRIB1 (1.6)
SIDT2 (2.0)	NRBP1 (1.9)
ENSG00000223522 (2	ZNF664 (2.0)
RBKS (2.0)	KBTBD4 (2.0)
HARBI1 (2.0)	GCKR (1.9)
RSPO3 (1.6)	MPV17 (1.6)
PVRL2 (1.9)	CCDC92 (1.8)
SPG11 (1.7)	APOE (1.7)
DDB2 (2.8)	NUP160 (2.8)
PTPN13 (2.5)	ZNF512 (2.4)
EIF3J (2.7)	CAD (2.6)
MAP1A (1.7)	MAFF (1.7)
C2orf53 (1.6)	FUT2 (1.6)
BLK (1.7)	ZDHHC18 (1.7)
GPN1 (2.2)	IMMT (2.2)
KDM3A (2.3)	BAZ1B (2.2)
DOCK7 (2.3)	RIC8B (2.2)
MAPK10 (1.9)	ENSG00000253379 (1
ENSG00000256746 (1	NSMAF (1.4)
DHODH (2.7)	CAD (2.7)
MTF2 (1.9)	PVRL2 (1.9)
ENSG00000236827 (2	ENSG00000256746 (1
ABCA1 (2.3)	NR1H3 (2.2)
MPP2 (1.7)	SOST (1.7)
MAFF (1.9)	IMMT (1.8)
TMED5 (2.1)	FDFT1 (2.1)
C8orf12 (2.1)	ENSG00000226645 (2
MAMSTR (1.8)	ATG13 (1.7)
CHMP3 (1.9)	PREB (1.8)
ARFGAP2 (1.8)	RIC8B (1.8)
NRBP1 (2.1)	ZNF513 (2.1)
TMEM101 (1.8)	ENSG00000222035 (1

ENSG00000223522 (1	ENSG00000255020 (1
PCSK7 (1.6)	MAFF (1.6)
APOA5 (2.1)	DPYSL5 (2.1)
LRP4 (1.9)	HDAC5 (1.9)
PTCD3 (2.7)	GPN2 (2.4)
SUGP1 (2.0)	NSMAF (2.0)
CELF1 (2.0)	WDR76 (1.9)
MTF2 (1.6)	VEGFA (1.6)
LSM12 (1.5)	MTCH2 (1.5)
ARID1A (2.1)	NRBF2 (2.0)
KBTBD4 (2.2)	CGREF1 (2.1)
TRIM54 (1.4)	PPY (1.3)
FZD9 (2.2)	FAM167A (2.1)
PDIA3 (2.8)	TMED5 (2.7)
ENSG00000182319 (1	CCDC18 (1.4)
OST4 (2.7)	BUD13 (2.6)
CSGALNACT1 (1.7)	ENSG00000256746 (1
FDFT1 (1.4)	FADS1 (1.4)
MTMR9 (1.4)	CYP7A1 (1.3)
PTPMT1 (2.6)	DOCK7 (2.5)
PTPMT1 (2.6)	MAU2 (2.2)
HAVCR1 (2.0)	PTPRJ (2.0)
FADS1 (1.9)	ACP2 (1.7)
ARHGAP1 (2.0)	DOCK7 (1.9)
PYY (1.9)	VEGFA (1.8)
RSPO3 (1.8)	ENSG00000222035 (1
PGS1 (1.7)	IZUMO1 (1.7)
SOST (2.0)	ENSG00000179523 (2
SLC22A3 (2.1)	IZUMO1 (2.1)
TAGLN (2.2)	C1orf172 (2.0)
SUMO1 (1.8)	NFE2L3 (1.8)
NAGS (2.3)	FUT2 (2.2)
MPV17 (1.9)	NFE2L3 (1.8)
FEN1 (2.0)	BAZ1B (2.0)
PTCD3 (2.7)	CKAP5 (2.7)
HAVCR1 (1.8)	ABO (1.7)
MLXIPL (1.8)	TBL2 (1.8)
ENSG00000179523 (2	SFN (2.0)
CASC4 (2.4)	FEN1 (2.3)
EIF3J (2.1)	PPM1G (2.0)
EIF3J (2.1)	PPM1G (2.0)
EIF3J (2.1)	PPM1G (2.0)
SIDT2 (1.8)	MAP1A (1.8)
SDCBP (1.6)	SLC22A1 (1.6)
DOCK6 (2.3)	MLXIPL (2.3)
ENSG00000223745 (1	DHODH (1.8)
HARBI1 (2.4)	MADD (2.3)
NRBF2 (2.5)	ZNF408 (2.5)
ARFGAP2 (2.0)	NRBP1 (2.0)
KLF14 (2.2)	C17orf105 (2.0)

IMMT (2.4)	SDCBP (2.3)
KBTBD4 (2.1)	ARFGAP2 (1.9)
G6PC3 (1.9)	FAM167A (1.8)
SUMO1 (1.9)	CKAP5 (1.8)
CTDSPL2 (2.3)	ZNF259 (2.1)
CTDSPL2 (2.3)	ZNF259 (2.1)
CITED2 (2.4)	GPN2 (2.4)
C8orf49 (2.3)	CELF1 (2.3)
ENSG00000226645 (1	FRMD5 (1.8)
BAZ1B (2.0)	CITED2 (1.9)
DNAH10 (1.8)	RSPO3 (1.8)
SOST (2.5)	G6PC3 (2.5)
HDAC5 (2.1)	DOCK6 (2.0)
C17orf105 (1.9)	GALNT2 (1.9)
ZNF259 (2.3)	DHX38 (2.2)
PPM1G (2.3)	AGBL5 (2.1)
PPM1G (2.1)	CMIP (2.1)
ENSG00000182319 (2	BCL3 (2.4)
CHMP3 (2.0)	MADD (2.0)
TMED5 (1.8)	FNDC4 (1.7)
GPN1 (2.0)	C11orf49 (1.9)
ENSG00000254235 (2	EIF3J (2.0)
KHK (1.8)	MLXIPL (1.7)
C8orf49 (1.8)	ENSG00000254235 (1
MAU2 (2.0)	PTPRJ (1.9)
MADD (2.5)	CAD (2.4)
SNX17 (1.6)	DPYSL5 (1.6)
ZNF512 (2.0)	LRP4 (1.8)
DOCK6 (1.8)	HDAC5 (1.7)
PMFBP1 (2.4)	APOC4 (2.4)
NR1H3 (2.1)	NRBF2 (2.0)
DOCK7 (2.3)	C11orf49 (2.3)
KBTBD4 (2.1)	CTDSPL2 (2.0)
ARID1A (2.2)	DHX38 (2.2)
TMED5 (1.7)	KLF14 (1.7)
ZNF513 (2.2)	ZDHHC18 (2.0)
ENSG00000223745 (1	SDCBP (1.5)
FNBP4 (2.3)	PTCD3 (2.1)
PTPN13 (1.9)	TECTB (1.9)
ABHD1 (1.6)	REEP3 (1.6)
ARFGAP2 (2.3)	IMMT (2.3)
CCDC92 (1.7)	HDAC5 (1.7)
FRMD5 (1.7)	HAPLN4 (1.7)
C11orf9 (1.7)	CMIP (1.7)
OST4 (2.0)	PAFAH1B2 (1.9)
CSGALNACT1 (1.8)	NSMAF (1.7)
CSGALNACT1 (1.8)	NSMAF (1.7)
SUGP1 (2.1)	RIC8B (2.1)
DNAJC5G (1.9)	TBL2 (1.9)
GATAD2A (1.8)	NRBP1 (1.7)

FNBP4 (1.6)	SUMO1 (1.6)
WDR76 (1.8)	REEP3 (1.7)
WDR76 (1.8)	REEP3 (1.7)
WDR76 (1.8)	REEP3 (1.7)
AMBRA1 (2.5)	KDM3A (2.4)
CSGALNACT1 (1.8)	ENSG00000257711 (1
RFX4 (1.8)	PLTP (1.7)
TRIB1 (2.0)	CYP7A1 (1.8)
MLXIPL (1.7)	C17orf105 (1.7)
ZNF513 (1.8)	CSGALNACT1 (1.8)
HARBI1 (2.2)	ZNF259 (2.1)
NUP160 (2.9)	TUBGCP4 (2.9)
LINC00208 (1.9)	C2orf28 (1.8)
CILP2 (2.1)	BRE (2.0)
GPN1 (2.2)	TOMM40 (2.2)
NCAN (1.9)	C17orf105 (1.9)
DR1 (1.7)	KANK2 (1.6)
SNX17 (1.9)	CELF1 (1.9)
PVRL2 (1.9)	AGBL2 (1.5)
ENSG00000253379 (1	CATSPER2 (1.7)
GTF3C2 (2.3)	SUMO1 (2.2)
MPP3 (1.7)	KLF14 (1.6)
CITED2 (1.8)	PTCD3 (1.7)
FGF21 (1.9)	BCL3 (1.9)
LRP4 (1.7)	C2orf16 (1.7)
DHX38 (1.8)	BUD13 (1.8)
PYY (1.9)	PVRL2 (1.9)
AFF1 (1.6)	POLR1A (1.5)
JMJD1C (2.0)	BAZ1B (2.0)
CELF1 (2.3)	EIF3J (2.3)
TOMM40 (1.9)	PPM1G (1.8)
BCL3 (2.0)	BLK (2.0)
HAVCR1 (2.1)	ENSG00000200241 (2
ENSG00000182329 (1	C8orf49 (1.7)
BCL7B (2.2)	CLPTM1 (2.2)
BCAM (2.3)	AGBL2 (2.2)
MTF2 (2.7)	CATSPER2 (2.5)
CYP7A1 (1.7)	APOA4 (1.7)
KANK2 (1.9)	TAGLN (1.9)
STRC (1.8)	ENSG00000223745 (1
KBTBD4 (1.6)	TSSK6 (1.6)
ANGPTL4 (1.9)	COBLL1 (1.8)
ENSG00000182319 (1	MAPK10 (1.6)
FRMD5 (1.7)	TDH (1.5)
OST4 (1.7)	FNBP4 (1.6)
FUT2 (2.0)	C1orf172 (2.0)
TIMD4 (1.8)	MFAP1 (1.7)
IGF2R (2.0)	SDCBP (1.9)
ENSG00000182319 (2	FAM167A (2.2)
C2orf28 (2.3)	TBL2 (2.1)

C19orf80 (2.2)	KDM3A (2.2)
GPN1 (2.2)	SUMO1 (2.2)
REEP3 (1.8)	GATA4 (1.7)
DNAH10 (1.5)	CILP2 (1.5)
ENSG00000234945 (1	INTS10 (1.7)
TIMD4 (1.7)	PCSK7 (1.6)
TIMD4 (1.7)	PCSK7 (1.6)
UBXN2B (1.9)	MPV17 (1.8)
NOP58 (2.3)	GPN2 (2.2)
CLPTM1 (1.6)	TOMM40 (1.6)
TRIM54 (1.3)	TRNP1 (1.3)
TIMD4 (1.4)	SLC22A3 (1.4)
TOMM40 (1.9)	PTCD3 (1.9)
DHODH (2.8)	EIF3J (2.6)
CHMP3 (1.7)	KANK2 (1.7)
AGBL2 (1.8)	NFE2L3 (1.7)
PLTP (1.8)	RSPO3 (1.7)
NCAN (1.9)	KDM3A (1.8)
VEGFA (2.0)	ARHGAP1 (2.0)
MTMR9 (2.4)	AFF1 (2.2)
RBKS (1.8)	ENSG00000234945 (1
ARFGAP2 (1.9)	GPAM (1.6)
SIK3 (2.1)	ZNF408 (2.1)
ACP2 (2.4)	MAPRE3 (2.4)
BUD13 (2.4)	SUGP1 (2.3)
GPN1 (2.9)	EIF2B4 (2.9)
CASC4 (1.9)	ENSG00000223745 (1
FADS2 (2.5)	PPM1G (2.1)
DOCK7 (2.1)	REEP3 (1.9)
RASIP1 (2.1)	BRE (1.9)
CLPTM1 (2.1)	C1orf172 (1.9)
NSMAF (2.0)	C1QTNF4 (2.0)
APOC1 (1.9)	AFF1 (1.9)
PLTP (1.9)	PMFBP1 (1.8)
SLC30A3 (2.1)	CYP26A1 (2.1)
DDB2 (1.7)	PTPRJ (1.7)
APOC4 (2.0)	SDCBP (1.9)
ZDHHC18 (2.4)	CMIP (2.3)
DHODH (2.8)	PTCD3 (2.8)
CCDC121 (2.1)	ABCA1 (2.0)
CTDSPL2 (2.6)	PCIF1 (2.6)
SUGP1 (2.1)	EIF3J (2.1)
PREB (1.9)	CITED2 (1.8)
HGFAC (1.9)	TM6SF2 (1.9)
FEN1 (1.9)	GTF3C2 (1.8)
SDC1 (1.9)	RFX4 (1.8)
DOCK6 (2.0)	NSMAF (1.9)
ZNF259 (2.2)	ARFGAP2 (2.1)
CELF1 (1.7)	PCIF1 (1.7)
C8orf12 (1.7)	GATA4 (1.6)

ZNF408 (1.8)	SUMO1 (1.7)
DUSP3 (1.8)	ENSG00000255020 (1
DOCK7 (2.0)	ENSG00000236267 (1
C17orf105 (2.3)	ZNF335 (2.1)
PBX4 (2.0)	TXNL4B (2.0)
ARID1A (2.0)	CELF1 (1.9)
PTPN13 (2.3)	SDC1 (2.2)
SDC1 (1.6)	ABCA1 (1.6)
KANK2 (2.1)	ARHGAP1 (2.0)
TMEM101 (2.0)	ENSG00000226645 (1
MFAP1 (2.2)	IGF2R (2.1)
TSSK6 (1.5)	PLA2G6 (1.5)
C1orf172 (2.3)	ABO (2.0)
ENSG00000235545 (1	ABHD1 (1.9)
BCL3 (1.5)	BCL7B (1.4)
NSMAF (2.0)	NEIL2 (1.8)
SLC22A3 (1.8)	GATAD2A (1.8)
TIMD4 (1.7)	BCL3 (1.7)
DHX38 (2.1)	SUGP1 (2.1)
TECTB (1.8)	FADS2 (1.8)
TECTB (1.8)	FADS2 (1.8)
BUD13 (2.4)	BCL7B (2.3)
NAGS (1.9)	SOST (1.8)
FADS2 (1.9)	RFX4 (1.8)
GPN1 (3.0)	PTCD3 (2.9)
BNC2 (2.5)	PYY (2.2)
BNC2 (1.4)	LRP4 (1.4)
PTCD3 (2.4)	EIF2B4 (2.3)
PTPN13 (1.9)	TUBGCP4 (1.9)
CLPTM1 (1.6)	BMPR2 (1.5)
ENSG00000256746 (1	CTSB (1.8)
FNDC4 (1.8)	LPAL2 (1.5)
MTF2 (2.4)	NAT2 (2.3)
DOCK7 (1.7)	EPB41L3 (1.7)
DOCK6 (1.9)	UCN (1.7)
VEGFA (1.7)	ZDHHC18 (1.6)
FNBP4 (2.5)	TMED5 (2.4)
RASIP1 (1.6)	CSGALNACT1 (1.6)
CYP26A1 (1.7)	MPV17 (1.6)
WDR76 (1.5)	AGBL5 (1.4)
C1orf172 (1.8)	CCDC121 (1.7)
CAD (2.7)	UBXN2B (2.5)
KANK2 (2.6)	CD300LG (2.4)
ENSG00000256731 (1	CCDC92 (1.9)
CAD (1.8)	CKAP5 (1.7)
CASC4 (1.8)	TBL2 (1.7)
ENSG00000200241 (1	PCIF1 (1.7)
PDIA3 (2.6)	PPM1G (2.5)
NFE2L3 (1.7)	SNX17 (1.7)
CLPTM1 (1.8)	DDB2 (1.8)

PLA2G6 (1.9)	SDCBP (1.7)
PDIA3 (2.1)	GPN1 (2.1)
IMMT (2.8)	BRE (2.7)
PGS1 (2.1)	GPN2 (2.0)
PGS1 (2.1)	GPN2 (2.0)
PAFAH1B2 (1.9)	DOCK6 (1.8)
ENSG00000182319 (1	TRIB1 (1.6)
SNX17 (2.2)	CGREF1 (2.1)
RASIP1 (1.8)	MLXIPL (1.8)
CLPTM1 (1.8)	NRBP1 (1.8)
PTCD3 (2.4)	C2orf28 (2.4)
CLPTM1 (1.7)	ARHGAP1 (1.6)
BMPR2 (1.7)	RSPO3 (1.7)
PPIP5K1 (2.1)	ACP2 (2.0)
LSM12 (2.4)	CTDSPL2 (2.4)
CAD (1.7)	TRIB1 (1.7)
CKAP5 (2.4)	MAP1A (2.2)
ABO (1.8)	CATSPER2 (1.8)
CHMP3 (2.3)	C1orf172 (2.2)
TBL2 (2.0)	PDIA3 (1.8)
SLC5A6 (1.8)	ENSG00000182329 (1
NEIL2 (1.8)	DR1 (1.7)
PMFBP1 (1.1)	SUGP1 (1.1)
RFX4 (2.3)	FZD9 (2.2)
EPB41L3 (1.6)	CETP (1.6)
SLC22A3 (1.5)	MTF2 (1.4)
DNAH10 (1.9)	NAGS (1.9)
ENSG00000236267 (1	C8orf12 (1.6)
DR1 (2.7)	CKAP5 (2.7)
CKAP5 (2.6)	MAPRE3 (2.3)
PTPMT1 (1.8)	ABHD1 (1.6)
TMEM101 (2.2)	GALNT2 (2.1)
NAT2 (2.2)	KLF14 (2.1)
CMIP (1.6)	BNC2 (1.6)
MLXIPL (1.7)	MAFF (1.6)
NUP160 (2.4)	RIC8B (2.4)
EMILIN1 (1.7)	CCDC92 (1.6)
ENSG00000236827 (1	GATAD2A (1.8)
ENSG00000236827 (1	GATAD2A (1.8)
ENSG00000236827 (1	GATAD2A (1.8)
ENSG00000253379 (1	MADD (1.6)
MAP1A (1.8)	EPB41L3 (1.8)
AGBL2 (1.8)	C8orf12 (1.8)
PTPN13 (1.8)	SDC1 (1.7)
MAMSTR (1.7)	G6PC3 (1.7)
BCAM (1.8)	TUBGCP4 (1.7)
PMFBP1 (1.7)	NCAN (1.7)
PMFBP1 (1.7)	TMEM175 (1.7)
C8orf12 (2.3)	ZNF513 (2.2)
PACSIN3 (2.3)	KDM3A (2.3)

PREB (1.9)	NR0B2 (1.9)
COBLL1 (1.5)	ENSG00000235545 (1
COBLL1 (1.5)	ENSG00000235545 (1
C19orf80 (1.5)	ENSG00000257711 (1
MAPRE3 (1.8)	NRBP1 (1.7)
C11orf9 (2.1)	TM6SF2 (2.0)
NSMAF (2.1)	BAZ1B (2.1)
C1orf172 (2.0)	PVRL2 (2.0)
ACP2 (1.8)	CCDC92 (1.7)
NOP58 (1.8)	SNX17 (1.8)
UBXN2B (1.9)	SDCBP (1.9)
CCDC18 (2.1)	ZNF408 (2.0)
REEP3 (1.8)	SDCBP (1.7)
DUSP3 (2.1)	MTF2 (2.0)
PIGV (2.2)	NCAN (2.2)
GALNT2 (2.0)	TAGLN (2.0)
TMED5 (2.0)	ENSG00000223522 (2
BAZ1B (2.4)	SUGP1 (2.4)
GATA4 (1.8)	DNAH10 (1.8)
PTPMT1 (2.0)	SNX17 (2.0)
ENSG00000223522 (1	ABCA1 (1.3)
VEGFA (2.4)	PAFAH1B2 (2.3)
RFX4 (1.8)	PPM1G (1.7)
RFX4 (1.8)	PPM1G (1.7)
LRP4 (2.0)	C8orf49 (2.0)
BCL7B (2.2)	ZNF664 (2.1)
MPP2 (1.7)	TRNP1 (1.7)
TSSK6 (2.1)	REEP1 (2.1)
ACP2 (1.8)	LINC00208 (1.6)
TBL2 (1.8)	KANK2 (1.8)
BCL3 (1.9)	DNAH10 (1.7)
GTF3C2 (2.8)	CTDSPL2 (2.7)
ABHD1 (2.2)	ENSG00000256731 (2
PPM1G (2.5)	GPN1 (2.4)
CTDSPL2 (2.2)	ENSG00000253379 (2
CTDSPL2 (2.2)	ENSG00000253379 (2
CTDSPL2 (2.2)	ENSG00000253379 (2
PTPN13 (2.0)	SDCBP (1.9)
TDH (2.1)	MTMR9 (2.0)
TDH (1.5)	TRIB1 (1.5)
BCAM (2.0)	LRP4 (2.0)
DR1 (1.7)	HDAC5 (1.7)
LSM12 (2.1)	GPN2 (2.1)
RIC8B (1.9)	FDFT1 (1.8)
CYP26A1 (1.8)	DPYSL5 (1.7)
PPM1G (1.4)	TOMM40 (1.4)
ARHGAP1 (1.9)	ATP13A1 (1.9)
PACSIN3 (2.3)	DPYSL5 (2.1)
ENSG00000200241 (1	ENSG00000234945 (1
NDUFS3 (1.6)	TMEM214 (1.6)

IFT172 (2.4)	MPV17 (2.4)
TSSK6 (1.9)	IZUMO1 (1.8)
ENSG00000234945 (2	DHX38 (2.1)
MAMSTR (1.8)	NEIL2 (1.7)
CETP (1.8)	NR1H3 (1.8)
KBTBD4 (2.2)	HARBI1 (2.1)
PPIP5K1 (1.5)	LINC00208 (1.3)
ARID1A (2.0)	PTPRJ (1.9)
DHX38 (2.6)	MPV17 (2.6)
ENSG00000182319 (1	PIGV (1.9)
TECTB (1.8)	ENSG00000255020 (1
TP53BP1 (1.9)	GATAD2A (1.8)
MPP3 (2.0)	RFX4 (1.9)
HARBI1 (1.8)	TMEM175 (1.8)
ENSG00000223522 (2	ZDHHC18 (2.3)
VEGFA (2.0)	SLC5A6 (1.9)
MTF2 (2.1)	CKAP5 (1.9)
GPN1 (2.6)	INTS10 (2.5)
LSM12 (2.5)	PPM1G (2.5)
HAPLN4 (2.2)	ABCA1 (2.2)
HAPLN4 (2.2)	ABCA1 (2.2)
SPG11 (1.9)	GALNT2 (1.8)
ZNF408 (1.8)	ZDHHC18 (1.7)
C11orf9 (1.8)	PTPN13 (1.8)
ENSG00000255020 (1	ENSG00000236267 (1
ENSG00000253379 (1	KLF14 (1.6)
FGF21 (2.4)	PAFAH1B2 (2.0)
ABO (2.2)	DNAH10 (2.1)
ACP2 (1.9)	IGF2R (1.9)
NFE2L3 (1.6)	NAGS (1.6)
NDUFS3 (2.9)	POLR1A (2.8)
TP53BP1 (2.0)	ZNF512 (1.9)
PBX4 (1.4)	CTSB (1.4)
PPM1G (2.5)	BUD13 (2.4)
EIF3J (2.9)	ARFGAP2 (2.9)
IMMT (2.3)	GPN2 (2.3)
ENSG00000182329 (1	EMILIN1 (1.7)
ZNF664 (2.2)	ATG13 (2.1)
SLC22A3 (1.7)	COBLL1 (1.6)
C2orf16 (1.7)	CITED2 (1.6)
ENSG00000182319 (1	ABCA1 (1.6)
PREB (2.2)	BRE (2.1)
C11orf49 (1.9)	PTPN13 (1.8)
CSGALNACT1 (2.2)	ARID1A (2.1)
GALNT2 (1.9)	LPAR2 (1.9)
NFE2L3 (1.8)	C2orf16 (1.8)
IMMT (2.6)	POLR1A (2.5)
VEGFA (2.1)	CSGALNACT1 (2.1)
RBKS (2.8)	MRPL33 (2.5)
RBKS (2.8)	MRPL33 (2.5)

PACSIN3 (2.0)	PCIF1 (2.0)
AMBRA1 (1.5)	PAFAH1B2 (1.4)
ENSG00000200241 (2	C1orf172 (2.2)
ENSG00000223522 (1	ATG4C (1.8)
SPG11 (1.9)	NCAN (1.9)
C2orf28 (1.7)	ABCA1 (1.6)
MPP3 (1.9)	MYBPC3 (1.9)
CELF1 (2.2)	DR1 (2.1)
GATAD2A (1.9)	EIF2B4 (1.9)
SNX17 (2.2)	NFE2L3 (2.2)
MTF2 (2.1)	TXNL4B (2.1)
ZNF259 (2.8)	DHODH (2.7)
KANK2 (1.8)	SDCBP (1.8)
GATAD2A (1.9)	PGS1 (1.8)
CSGALNACT1 (1.5)	G6PC3 (1.4)
PPM1G (2.1)	DUSP3 (2.0)
NAGS (2.0)	FGF21 (1.9)
SLC22A3 (2.1)	STRC (1.9)
ANGPTL4 (1.6)	C11orf9 (1.6)
IZUMO1 (1.8)	SDC1 (1.8)
EIF2B4 (2.4)	SLC5A6 (2.3)
MADD (1.7)	PTPRJ (1.6)
MAFF (1.7)	JMJD1C (1.6)
CCDC121 (2.1)	ENSG00000234945 (2
CCDC121 (2.1)	ENSG00000234945 (2
CMIP (2.3)	MTMR9 (2.2)
ARHGAP1 (2.4)	CLPTM1 (2.2)
EPB41L3 (1.9)	ENSG00000200241 (1
ZNF408 (1.6)	ENSG00000235545 (1
PTCD3 (1.8)	ENSG00000235545 (1
PTCD3 (1.8)	ENSG00000235545 (1
USP1 (2.2)	DHX38 (2.1)
ARFGAP2 (2.3)	MAPRE3 (2.2)
REEP3 (1.8)	SFN (1.8)
NR1H3 (2.1)	MAPRE3 (1.9)
HGFAC (2.1)	CYP7A1 (2.0)
DOCK6 (2.0)	DUSP3 (1.9)
ATP13A1 (1.6)	PYY (1.5)
IMMT (2.0)	PBX4 (2.0)
RASIP1 (1.5)	FRMD5 (1.5)
EIF3J (1.6)	NRBP1 (1.5)
IMMT (2.2)	DHX38 (2.0)
ARHGAP1 (2.0)	HARBI1 (1.8)
RSPO3 (1.9)	ANGPTL4 (1.9)
CLPTM1 (2.6)	ACP2 (2.5)
SUMO1 (2.3)	MFAP1 (2.2)
SUMO1 (2.3)	MFAP1 (2.2)
SUMO1 (2.3)	MFAP1 (2.2)
MRPL35 (2.3)	ENSG00000235545 (2
SDCBP (2.0)	CKAP5 (1.9)

FADS1 (2.2)	ENSG00000236827 (2
KLF14 (2.5)	FADS1 (2.3)
PPIP5K1 (1.8)	PTCD3 (1.7)
PPIP5K1 (1.8)	PTCD3 (1.7)
BCL7B (2.4)	KBTBD4 (2.4)
DOCK6 (2.1)	REEP3 (2.1)
MPV17 (1.9)	IGF2R (1.8)
CHMP3 (1.8)	MAMSTR (1.7)
ENSG00000256746 (2	FUT2 (2.0)
KLF14 (2.0)	C17orf105 (1.9)
ENSG00000223522 (1	ENSG00000223745 (1
GATAD2A (2.4)	PPM1G (2.3)
CATSPER2 (2.3)	STRC (2.3)
LRP4 (2.0)	FNDC4 (1.8)
NDUFS3 (2.1)	CATSPER2 (2.0)
TOMM40 (1.7)	EMILIN1 (1.6)
ZDHHC18 (1.2)	PTPN13 (1.2)
ZNF513 (1.6)	TRIB1 (1.5)
PTPN13 (2.0)	DPYSL5 (2.0)
NAGS (1.9)	MTMR9 (1.8)
ENSG00000236827 (1	TM6SF2 (1.7)
ABHD1 (2.2)	ARFGAP2 (1.9)
KLF14 (1.7)	SUMO1 (1.6)
FAM167A (2.2)	PTPRJ (2.2)
TRIM54 (1.9)	RASIP1 (1.8)
PCSK7 (1.9)	KANK2 (1.8)
CTSB (2.2)	MADD (2.2)
NUP160 (2.6)	ZNF259 (2.4)
IMMT (2.5)	PDIA3 (2.1)
MADD (1.6)	HDAC5 (1.6)
ENSG00000223745 (2	DOCK7 (2.3)
C2orf16 (1.8)	PTPN13 (1.8)
FUT2 (2.6)	CLPTM1 (2.5)
ARID1A (2.2)	BCL7B (2.2)
BCL7B (2.0)	REEP1 (1.9)
IGF2R (1.8)	PACSIN3 (1.7)
MTF2 (2.2)	BUD13 (2.2)
ZNF513 (1.6)	KDM3A (1.6)
PMFBP1 (1.7)	FADS2 (1.7)
PYY (1.5)	ENSG00000256731 (1
PPIP5K1 (2.7)	SNX17 (2.1)
DNAJC5G (2.2)	PBX4 (2.1)
TDH (1.9)	BMPR2 (1.9)
ZDHHC18 (1.9)	C2orf28 (1.9)
DPYSL5 (1.9)	C8orf12 (1.7)
CILP2 (1.8)	ENSG00000234945 (1
CASC4 (2.4)	PCSK7 (2.2)
NFE2L3 (1.7)	FUT2 (1.7)
NFE2L3 (1.7)	FUT2 (1.7)
NFE2L3 (1.7)	FUT2 (1.7)

MRPL35 (2.9)	PPM1G (2.6)
TXNL4B (2.2)	CTDSPL2 (2.1)
RBKS (1.7)	C2orf16 (1.7)
ENSG00000236827 (1	BLK (1.3)
SLC22A3 (1.9)	SIDT2 (1.8)
VEGFA (2.3)	CGREF1 (2.3)
PTPRJ (2.0)	AMBRA1 (1.9)
LSM12 (2.0)	MAFF (1.9)
CILP2 (2.1)	ARID1A (1.9)
DUSP3 (1.9)	RIC8B (1.9)
ZNF335 (1.8)	KRTCAP3 (1.7)
BUD13 (1.6)	ENSG00000236267 (1
LPAR2 (1.6)	FNDC4 (1.5)
ENSG00000257711 (1	ENSG00000236267 (1
GATAD2A (2.6)	GTF3C2 (2.5)
DOCK6 (1.9)	PPM1G (1.9)
MAP1A (1.8)	HAPLN4 (1.8)
MLXIPL (1.9)	GMIP (1.9)
TECTB (1.6)	ABCA1 (1.6)
TECTB (1.6)	ABCA1 (1.6)
DR1 (1.9)	PBX4 (1.8)
IGF2R (2.2)	ENSG00000256731 (1
LRP4 (1.8)	ENSG00000226645 (1
CBLC (2.0)	NFE2L3 (1.9)
RFX4 (1.6)	BNC2 (1.5)
PYY (1.9)	FRMD5 (1.8)
ABO (1.9)	BRE (1.7)
EIF3J (1.6)	UBXN2B (1.6)
SIK3 (1.2)	KLF14 (1.2)
ZNF664 (1.8)	ABHD1 (1.8)
TOMM40 (2.7)	SNX17 (2.5)
NRBP1 (2.4)	ATG13 (2.4)
REEP1 (2.5)	FZD9 (2.4)
ENSG00000200241 (2	HAVCR1 (2.1)
ENSG00000200241 (2	HAVCR1 (2.1)
GPN1 (2.3)	TOMM40 (2.3)
RSPO3 (2.0)	LRP4 (2.0)
ENSG00000182319 (1	FNDC4 (1.8)
TSSK6 (1.7)	C17orf105 (1.7)
DDB2 (2.2)	PLA2G6 (2.0)
ABHD1 (1.9)	MAMSTR (1.9)
NOP58 (2.6)	KBTBD4 (2.6)
MPV17 (2.2)	SPG11 (2.2)
C2orf16 (1.8)	TRNP1 (1.7)
CYP26A1 (1.5)	CETP (1.5)
C1orf172 (2.1)	HAPLN4 (2.0)
LPAR2 (2.1)	MADD (2.0)
TXNL4B (2.4)	NOP58 (2.3)
ENSG00000223522 (2	HARBI1 (2.7)
BUD13 (2.7)	PTCD3 (2.7)

KDM3A (1.9)	BRE (1.8)
MRPL33 (2.5)	ENSG00000223522 (2
PACSIN3 (2.1)	ENSG00000257711 (2
AGBL5 (2.0)	C1orf172 (1.9)
C8orf12 (2.0)	FZD9 (2.0)
GATAD2A (1.4)	TRIM54 (1.4)
FNDC4 (1.9)	CYP26A1 (1.8)
SUMO1 (2.2)	CATSPER2 (2.1)
TXNL4B (2.0)	ZNF335 (2.0)
FEN1 (2.0)	WDR76 (1.9)
TBL2 (1.9)	DDB2 (1.8)
ATP13A1 (1.4)	UCN (1.4)
FNBP4 (1.4)	UCN (1.3)
SDCBP (2.0)	NRBP1 (2.0)
CYP26A1 (1.9)	RSPO3 (1.9)
LPAL2 (1.5)	SLC5A6 (1.5)
ENSG00000254235 (1	PCSK7 (1.5)
DR1 (1.8)	PREB (1.7)
MPV17 (2.3)	MTF2 (1.8)
PCIF1 (1.8)	DDB2 (1.8)
CILP2 (1.7)	LRP4 (1.6)
SLC22A1 (2.2)	APOC4 (2.1)
C11orf49 (2.3)	SPG11 (2.2)
FNBP4 (2.1)	KBTBD4 (2.0)
ARFGAP2 (1.8)	AGBL2 (1.8)
CTDSPL2 (2.6)	DR1 (2.6)
MAU2 (2.1)	GPN2 (2.1)
C1orf172 (2.2)	PTPN13 (2.2)
NFE2L3 (1.7)	ENSG00000254235 (1
NFE2L3 (1.7)	ENSG00000254235 (1
SUGP1 (1.8)	EIF2B4 (1.7)
TDH (2.0)	DOCK6 (1.9)
TM6SF2 (1.9)	RSPO3 (1.9)
PBX4 (2.0)	CITED2 (1.8)
NEIL2 (1.7)	PMFBP1 (1.6)
CHMP3 (1.7)	ZNF664 (1.7)
RBKS (1.7)	GMIP (1.6)
PACSIN3 (2.4)	CYP26A1 (2.2)
SLC22A3 (2.1)	ENSG00000256731 (2
ZNF335 (2.1)	BCL7B (2.1)
ABHD1 (1.9)	ENSG00000200241 (1
PPM1G (2.7)	TMED5 (2.6)
PBX4 (2.1)	BNC2 (2.0)
C8orf49 (1.7)	IGF2R (1.7)
DPYSL5 (1.9)	FRMD5 (1.9)
NSMAF (1.8)	ENSG00000226645 (1
PTPRJ (1.8)	PYY (1.8)
GPAM (2.3)	PTCD3 (2.2)
FUT2 (1.8)	TSSK6 (1.8)
RSPO3 (1.7)	UCN (1.7)

NUP160 (1.8)	MTF2 (1.7)
BNC2 (2.0)	MAPRE3 (1.5)
KHK (2.4)	APOE (2.3)
UBXN2B (2.5)	TUBGCP4 (2.5)
PAFAH1B2 (1.6)	ZNF259 (1.6)
KBTBD4 (2.3)	TXNL4B (2.3)
NFE2L3 (1.5)	CBLC (1.5)
CMIP (2.1)	LPAR2 (2.0)
DOCK6 (2.3)	ARHGAP1 (2.1)
PGS1 (1.8)	LPL (1.7)
TRNP1 (1.9)	NSMAF (1.7)
BCAM (1.9)	PBX4 (1.9)
NOP58 (2.4)	CELF1 (2.4)
LRP4 (1.8)	PBX4 (1.8)
CAD (2.3)	NUP160 (2.2)
LSM12 (2.0)	TSSK6 (2.0)
DHX38 (2.9)	GTF3C2 (2.6)
TSSK6 (1.9)	ENSG00000223522 (1
RIC8B (2.0)	PTPRJ (2.0)
MAPK10 (1.8)	DUSP3 (1.8)
MRPL35 (2.1)	EIF3J (1.9)
TRIB1 (1.8)	ENSG00000182319 (1
CBLC (1.9)	GMIP (1.8)
EIF3J (2.3)	NUP160 (2.2)
ENSG00000256746 (2	REEP3 (2.3)
ZNF664 (2.4)	UBXN2B (2.4)
MFAP1 (1.5)	TECTB (1.5)
CYP26A1 (1.4)	BMPR2 (1.4)
VEGFA (2.0)	HDAC5 (1.9)
SPG11 (2.1)	CHMP3 (2.0)
ENSG00000223745 (1	TECTB (1.8)
MTF2 (2.0)	KDM3A (2.0)
PBX4 (1.8)	CCDC92 (1.7)
ENSG00000234945 (1	CITED2 (1.6)
SNX17 (2.2)	CAD (2.2)
ANGPTL4 (2.0)	MPV17 (1.7)
TXNL4B (1.8)	CILP2 (1.7)
TBL2 (1.9)	POLR1A (1.9)
HAVCR1 (2.0)	MFAP1 (2.0)
COBLL1 (2.0)	PLA2G6 (1.8)
CSGALNACT1 (1.8)	CETP (1.6)
CATSPER2 (1.9)	KANK2 (1.7)
REEP1 (1.9)	GMIP (1.8)
CATSPER2 (2.3)	HARBI1 (2.2)
C2orf28 (1.6)	DOCK7 (1.6)
LPAL2 (1.8)	STRC (1.8)
EIF3J (1.5)	POLR1A (1.5)
MAU2 (2.4)	KBTBD4 (2.4)
POLR1A (1.8)	BCL3 (1.8)
CETP (1.8)	PTPRJ (1.7)

TRNP1 (1.7)	TM6SF2 (1.6)
BAZ1B (1.8)	AMBRA1 (1.8)
BRE (2.2)	ZNF512 (2.1)
NFE2L3 (2.5)	ATG13 (2.4)
NFE2L3 (2.5)	ATG13 (2.4)
NRBP1 (2.4)	CKAP5 (2.1)
HARBI1 (1.9)	HAPLN4 (1.9)
RFX4 (1.9)	MRPL33 (1.7)
CCDC121 (2.1)	ABO (2.0)
GMIP (1.8)	ENSG00000235545 (1
TRIM54 (1.8)	ENSG00000236267 (1
IMMT (2.8)	CLPTM1 (2.8)
CAD (2.0)	SUGP1 (2.0)
BMPR2 (2.0)	MTMR9 (1.9)
ATG13 (2.5)	SIDT2 (2.3)
PTCD3 (2.0)	POLR1A (2.0)
SDC1 (1.9)	IGF2R (1.9)
TRNP1 (2.1)	CASC4 (1.8)
ENSG00000256746 (2	PDIA3 (2.3)
ENSG00000179523 (1	TMEM175 (1.6)
PVRL2 (1.8)	ENSG00000226645 (1
PVRL2 (1.8)	ENSG00000226645 (1
REEP1 (2.0)	HAPLN4 (2.0)
LRP4 (1.9)	CCDC121 (1.8)
CMIP (1.8)	CHMP3 (1.8)
CMIP (1.8)	CLPTM1 (1.7)
PBX4 (2.2)	JMJD1C (2.2)
NRBF2 (1.5)	ACP2 (1.5)
C11orf9 (1.8)	JMJD1C (1.7)
IFT172 (2.0)	PPIP5K1 (2.0)
KDM3A (2.4)	EIF3J (2.4)
NOP58 (2.3)	ZNF259 (2.2)
PTPRJ (1.8)	ATP13A1 (1.8)
PYY (1.9)	CETP (1.7)
PPM1G (2.5)	DOCK7 (2.5)
NFE2L3 (1.8)	MAU2 (1.7)
LRP4 (2.2)	STRC (2.1)
RSPO3 (2.0)	LRP4 (1.9)
PACSIN3 (1.6)	BRE (1.5)
C8orf12 (2.5)	MYBPC3 (2.4)
INTS10 (2.1)	MTF2 (1.8)
CKAP5 (2.3)	SPG11 (2.0)
NCAN (1.8)	MAPRE3 (1.8)
C2orf28 (1.4)	ZDHHC18 (1.4)
TBL2 (2.1)	NAGS (1.9)
ATG13 (2.2)	FNDC4 (2.1)
INTS10 (1.7)	KANK2 (1.7)
ACP2 (1.8)	RBKS (1.8)
CTDSPL2 (1.9)	KLF14 (1.8)
GPN1 (2.7)	TOMM40 (2.6)

ATG13 (1.8)	SDCBP (1.7)
BUD13 (1.6)	NSMAF (1.6)
ABCA1 (1.7)	UBXN2B (1.6)
HDAC5 (2.2)	JMJD1C (2.0)
EPB41L3 (1.7)	EIF3J (1.7)
NSMAF (1.6)	BNC2 (1.5)
PTPRJ (2.0)	LSM12 (1.9)
TECTB (1.7)	GMIP (1.7)
MYBPC3 (2.0)	MPP3 (2.0)
MTCH2 (2.0)	ABHD1 (1.9)
KLF14 (1.6)	LIPC (1.5)
CELF1 (2.9)	USP1 (2.8)
AGBL2 (1.6)	GMIP (1.6)
NSMAF (1.7)	ENSG00000236827 (1
KDM3A (2.4)	CELF1 (2.2)
FZD9 (2.3)	C11orf49 (2.2)
GMIP (2.0)	PTPRJ (2.0)
OST4 (2.1)	POLR1A (2.0)
ACP2 (1.6)	ENSG00000200241 (1
C8orf12 (1.8)	ENSG00000256746 (1
DOCK7 (2.1)	ARID1A (1.8)
NFE2L3 (1.5)	AGBL2 (1.4)
C8orf12 (1.8)	TDH (1.7)
TRIB1 (2.2)	MFAP1 (2.2)
SUGP1 (2.2)	PMFBP1 (2.1)
AMBRA1 (1.7)	APOE (1.6)
CHMP3 (1.9)	REEP3 (1.9)
DNAJC5G (1.7)	ENSG00000234945 (1
FAM167A (1.9)	ENSG00000223745 (1
KANK2 (2.1)	TBL2 (2.0)
KANK2 (2.1)	TBL2 (2.0)
CETP (2.2)	TIMD4 (1.8)
BUD13 (2.0)	GTF3C2 (1.9)
CHMP3 (1.9)	BCAM (1.9)
CCDC92 (2.0)	TRNP1 (2.0)
MPP3 (2.0)	GATAD2A (2.0)
ATG4C (2.4)	ENSG00000179523 (2
INTS10 (2.7)	PCIF1 (2.6)
INTS10 (2.7)	PCIF1 (2.6)
NAGS (1.4)	DR1 (1.3)
AMBRA1 (1.8)	LRP4 (1.7)
APOE (1.7)	KHK (1.7)
SDCBP (1.9)	BNC2 (1.9)
ABHD1 (1.8)	LPL (1.6)
FUT1 (2.0)	GPAM (1.9)
GPN1 (2.9)	SUPT7L (2.8)
MAMSTR (1.7)	UBXN2B (1.7)
FAM167A (1.9)	GATAD2A (1.7)
RFX4 (1.8)	PBX4 (1.7)
SNX17 (2.3)	PTPMT1 (2.2)

MAPRE3 (2.1)	PGS1 (2.0)
CASC4 (1.9)	POLR1A (1.9)
LSM12 (1.9)	AMBRA1 (1.9)
IMMT (1.8)	ARID1A (1.8)
IMMT (1.8)	ARID1A (1.8)
IMMT (1.8)	ARID1A (1.8)
IMMT (1.8)	ARID1A (1.8)
IMMT (1.8)	ARID1A (1.8)
CKAP5 (2.3)	MAU2 (2.3)
TRIB1 (1.7)	C2orf28 (1.7)
NRBP1 (1.8)	FNBP4 (1.7)
ARID1A (1.8)	NFE2L3 (1.8)
NFE2L3 (2.0)	ENSG00000236827 (1
TP53BP1 (1.7)	FRMD5 (1.6)
EIF2B4 (2.2)	ENSG00000182329 (2
REEP1 (2.3)	MAU2 (2.3)
FGF21 (1.8)	CTSB (1.8)
ENSG00000256746 (1	ATG4C (1.7)
LSM12 (1.7)	FGF21 (1.5)
MPP2 (2.1)	LPL (2.1)
FRMD5 (2.1)	GATA4 (2.1)
USP1 (1.9)	ZNF664 (1.9)
MTF2 (1.7)	COBLL1 (1.6)
IGF2R (1.4)	DNAJC5G (1.4)
CKAP5 (2.0)	PTCD3 (2.0)
CKAP5 (2.0)	PTCD3 (2.0)
CHMP3 (1.7)	FUT1 (1.7)
ARHGAP1 (2.0)	TAGLN (2.0)
ENSG00000235545 (2	PCSK7 (2.0)
FAM167A (2.4)	DHX38 (2.3)
MAPRE3 (2.2)	TMEM214 (2.1)
AFF1 (1.9)	AMBRA1 (1.9)
ENSG00000253379 (2	SLC30A3 (2.0)
HAVCR1 (1.8)	FAM167A (1.8)
TBL2 (2.4)	TUBGCP4 (2.4)
SLC30A3 (1.6)	AGBL5 (1.6)
NRBF2 (1.9)	SOST (1.9)
AMBRA1 (1.9)	KBTBD4 (1.9)
DOCK6 (2.0)	ARID1A (1.7)
EIF2B4 (2.1)	DR1 (2.1)
MAFF (1.9)	ENSG00000226645 (1
TMEM175 (2.0)	PIGV (2.0)
MTMR9 (1.7)	FADS1 (1.6)
APOA4 (1.5)	HARBI1 (1.5)
CSGALNACT1 (1.8)	ENSG00000226645 (1
BLK (1.7)	PCSK7 (1.7)
C11orf49 (1.3)	FUT2 (1.3)
MAMSTR (2.0)	BAZ1B (2.0)
UBXN2B (1.7)	TRNP1 (1.7)
UBXN2B (1.7)	TRNP1 (1.7)

CTSB (1.7)	MFAP1 (1.6)
APOA1 (1.6)	APOA4 (1.6)
CGREF1 (2.3)	MLXIPL (2.2)
ABCA1 (1.8)	MLXIPL (1.7)
ARID1A (1.7)	JMJD1C (1.7)
PBX4 (1.8)	DNAH10 (1.8)
TDH (1.5)	NR1H3 (1.5)
DNAJC5G (1.7)	ENSG00000226645 (1
BCL7B (2.1)	PAFAH1B2 (2.1)
UCN (1.8)	FZD9 (1.8)
NEIL2 (2.1)	KANK2 (2.1)
DDB2 (2.0)	PTPRJ (1.9)
NDUFS3 (2.0)	DOCK6 (1.8)
EIF2B4 (1.9)	GATAD2A (1.8)
CCDC18 (1.3)	CITED2 (1.2)
STRC (1.9)	DOCK6 (1.8)
TRIB1 (1.8)	SUMO1 (1.6)
CAD (2.1)	EIF3J (2.1)
BUD13 (2.3)	PTPRJ (2.0)
KANK2 (1.8)	ENSG00000223745 (1
KANK2 (1.8)	ENSG00000223745 (1
MAMSTR (1.7)	ARHGAP1 (1.5)
C8orf12 (1.7)	SIDT2 (1.5)
C8orf12 (1.7)	LPAR2 (1.7)
NOP58 (1.6)	SUGP1 (1.5)
CATSPER2 (2.2)	CKAP5 (2.2)
TRIM54 (2.3)	ZNF664 (2.0)
AMBRA1 (1.9)	PCSK7 (1.9)
TMEM101 (2.4)	CLPTM1 (2.3)
DPYSL5 (1.8)	TUBGCP4 (1.8)
DNAH10 (1.7)	KLF14 (1.6)
NEIL2 (1.6)	ENSG00000234945 (1
TDH (1.8)	GMIP (1.6)
ARFGAP2 (1.9)	NUP160 (1.8)
SLC5A6 (1.6)	LINC00208 (1.5)
MTF2 (1.7)	PAFAH1B2 (1.6)
GPN2 (1.9)	BCL7B (1.7)
UBXN2B (1.7)	COBLL1 (1.7)
CELF1 (1.6)	CATSPER2 (1.6)
RSPO3 (2.1)	DPYSL5 (1.9)
ATP13A1 (1.9)	TBL2 (1.9)
PPM1G (2.3)	IMMT (2.3)
RIC8B (1.7)	BCL7B (1.7)
IFT172 (2.4)	SPG11 (2.4)
BAZ1B (2.0)	MAFF (2.0)
GTF3C2 (2.1)	BAZ1B (1.9)
ENSG00000235545 (1	C2orf16 (1.8)
NOP58 (2.0)	SNX17 (1.9)
ENSG00000256746 (1	NR1H3 (1.5)
ENSG00000234945 (1	ENSG00000182319 (1

CYP26A1 (2.5)	SOST (2.5)
MTMR9 (1.3)	TIMD4 (1.3)
LRP4 (2.1)	KANK2 (2.0)
REEP3 (2.0)	EMILIN1 (1.9)
UCN (1.7)	ZNF664 (1.7)
TDH (1.9)	ENSG00000226645 (1
ZDHHC18 (1.8)	BLK (1.7)
PCIF1 (2.4)	CTDSPL2 (2.4)
DPYSL5 (1.6)	UCN (1.5)
NUP160 (1.8)	ZNF335 (1.8)
SUMO1 (1.9)	ANGPTL3 (1.9)
CATSPER2 (1.7)	SDCBP (1.6)
CATSPER2 (2.0)	TXNL4B (2.0)
ATG13 (1.7)	ARFGAP2 (1.7)
COBLL1 (2.1)	BMPR2 (2.0)
C1QTNF4 (2.1)	REEP1 (2.0)
CITED2 (1.7)	GATAD2A (1.6)
GMIP (1.8)	LPAR2 (1.7)
ENSG00000226645 (1	MTMR9 (1.6)
NCAN (1.9)	PBX4 (1.8)
FNDC4 (2.3)	CHMP3 (2.2)
SPG11 (2.3)	HDAC5 (2.3)
HDAC5 (1.8)	ATG13 (1.7)
ENSG00000223745 (1	KANK2 (1.8)
LPAR2 (1.8)	MTCH2 (1.8)
MADD (1.8)	SIDT2 (1.8)
HAPLN4 (2.2)	ENSG00000182329 (2
ATP13A1 (1.9)	MPV17 (1.8)
ZDHHC18 (1.6)	ENSG00000234945 (1
STRC (1.9)	HAPLN4 (1.9)
PTPMT1 (2.1)	KBTBD4 (2.1)
ENSG00000223522 (1	MAFF (1.5)
ARID1A (2.6)	FNBP4 (2.3)
FAM167A (1.8)	RSPO3 (1.8)
GALNT2 (2.0)	SNX17 (1.9)
RFX4 (1.9)	DOCK7 (1.9)
CD300LG (1.9)	BUD13 (1.8)
FRMD5 (2.2)	SLC30A3 (1.8)
DR1 (1.9)	C11orf49 (1.9)
INTS10 (2.0)	POLR1A (1.9)
INTS10 (2.0)	POLR1A (1.9)
MAPK10 (1.8)	DNAJC5G (1.6)
MAPK10 (1.9)	BNC2 (1.6)
G6PC3 (1.7)	AGBL5 (1.6)
C11orf9 (2.0)	MPP2 (1.9)
UCN (1.7)	DNAJC5G (1.6)
TSSK6 (1.9)	CCDC121 (1.8)
TAGLN (1.6)	TRNP1 (1.6)
FUT2 (1.8)	C8orf49 (1.7)
CMIP (1.8)	NCAN (1.7)

DDB2 (1.9)	MAFF (1.8)
DNAJC5G (1.9)	BCL7B (1.9)
COBLL1 (2.0)	PCSK7 (2.0)
PTPMT1 (1.9)	FNDC4 (1.8)
TSSK6 (1.6)	SOST (1.6)
MRPL35 (2.4)	GPN1 (2.3)
C1orf172 (1.7)	CATSPER2 (1.7)
TMEM101 (2.0)	C1orf172 (1.7)
SUPT7L (2.2)	ENSG00000179523 (2
PTPN13 (1.9)	ENSG00000182319 (1
ENSG00000182319 (2	C11orf9 (1.7)
DOCK7 (2.0)	IFT172 (1.9)
GTF3C2 (1.9)	DOCK6 (1.9)
FAM167A (1.6)	MPP2 (1.6)
GPN1 (1.8)	BAZ1B (1.8)
ENSG00000254235 (1	RSPO3 (1.8)
DPYSL5 (1.5)	NFE2L3 (1.5)
EIF2B4 (2.0)	PPM1G (1.8)
DDB2 (2.7)	MTF2 (2.5)
SIDT2 (1.9)	DOCK7 (1.9)
ENSG00000256731 (2	KBTBD4 (2.3)
COBLL1 (1.7)	AFF1 (1.7)
MAMSTR (2.1)	EIF3J (2.0)
RASIP1 (2.2)	SDCBP (2.0)
TMEM101 (1.8)	NSMAF (1.8)
NCAN (1.9)	SDCBP (1.8)
DPYSL5 (1.7)	POLR1A (1.6)
BRE (1.9)	ZNF408 (1.9)
NEIL2 (1.8)	TRIB1 (1.8)
F2 (1.9)	MPP3 (1.9)
ENSG00000256731 (1	MPP2 (1.7)
CSGALNACT1 (1.8)	WDR76 (1.8)
FUT1 (2.1)	SUMO1 (2.1)
SIK3 (2.2)	CHMP3 (2.1)
BCAM (1.7)	CCDC121 (1.6)
MRPL33 (2.0)	FEN1 (1.9)
ATG4C (2.0)	NSMAF (2.0)
CYP26A1 (1.8)	SLC22A3 (1.7)
JMJD1C (2.0)	ENSG00000236267 (1
PTPMT1 (1.8)	BLK (1.7)
LRP4 (1.9)	PCIF1 (1.9)
GALNT2 (1.6)	GATAD2A (1.6)
DHX38 (1.9)	HARBI1 (1.9)
NEIL2 (1.8)	SLC22A3 (1.7)
GCKR (1.8)	ENSG00000226645 (1
NSMAF (2.2)	CELF1 (1.9)
MTMR9 (1.7)	FZD9 (1.7)
TMEM101 (1.6)	COBLL1 (1.6)
EIF3J (2.0)	NRBP1 (2.0)
MPV17 (1.7)	NDUFS3 (1.7)

JMJD1C (2.1)	APOE (1.9)
TMEM214 (1.9)	C17orf105 (1.9)
RBKS (1.8)	FZD9 (1.8)
IZUMO1 (1.8)	EMILIN1 (1.7)
ARHGAP1 (1.8)	CSGALNACT1 (1.8)
ENSG00000182319 (2	FAM167A (2.0)
DPYSL5 (1.7)	LSM12 (1.7)
CTDSPL2 (2.3)	MFAP1 (2.2)
CAD (2.5)	GPN1 (2.4)
TMEM101 (1.8)	C11orf49 (1.6)
C11orf49 (2.0)	DNAJC5G (1.9)
ARID1A (1.8)	PCIF1 (1.7)
NRBP1 (2.3)	ENSG00000200241 (2
NRBF2 (2.4)	MFAP1 (2.3)
RFX4 (1.8)	ENSG00000256731 (1
TMEM214 (1.7)	PLA2G6 (1.7)
OST4 (2.1)	CBLC (2.1)
NRBF2 (2.1)	SNX17 (2.1)
ZNF259 (2.2)	MRPL35 (2.0)
ARFGAP2 (2.1)	GPN2 (2.1)
TUBGCP4 (2.2)	MRPL35 (2.1)
GALNT2 (1.5)	HAVCR1 (1.5)
GALNT2 (1.5)	HAVCR1 (1.5)
C2orf28 (2.7)	TMED5 (2.6)
C2orf28 (2.7)	TMED5 (2.6)
CHMP3 (1.8)	GATAD2A (1.8)
ENSG00000226645 (1	BCAM (1.7)
MPV17 (2.0)	C2orf53 (1.9)
ENSG00000255020 (2	SLC22A3 (2.0)
ATP13A1 (1.6)	G6PC3 (1.5)
RIC8B (1.8)	USP1 (1.8)
RIC8B (1.8)	USP1 (1.8)
ZNF513 (1.7)	IMMT (1.7)
NOP58 (2.0)	CTDSPL2 (2.0)
NOP58 (2.0)	CTDSPL2 (2.0)
NOP58 (2.0)	CTDSPL2 (2.0)
CKAP5 (2.3)	PTCD3 (2.3)
BRE (1.8)	AMBRA1 (1.7)
NRBP1 (2.0)	IMMT (2.0)
RSPO3 (1.8)	MAMSTR (1.7)
ENSG00000254235 (1	TBL2 (1.7)
BCL7B (2.5)	GPN1 (2.3)
BCL7B (2.5)	GPN1 (2.3)
ABHD1 (1.7)	ACP2 (1.7)
FUT2 (1.6)	LPA (1.6)
DPYSL5 (1.7)	ENSG00000236267 (1
TMEM175 (1.7)	FGF21 (1.7)
NAT2 (2.2)	MPP3 (2.1)
BMPR2 (1.9)	ENSG00000182329 (1
FADS2 (1.8)	ENSG00000236267 (1

BUD13 (1.8)	CKAP5 (1.7)
NRBP1 (2.0)	TOMM40 (1.8)
FDFT1 (2.2)	CCDC92 (2.1)
CTSB (2.3)	HAPLN4 (2.2)
NFE2L3 (1.5)	GALNT2 (1.5)
SIDT2 (1.7)	NAT2 (1.7)
DR1 (1.7)	ZDHHC18 (1.7)
NRBP1 (1.7)	TRIB1 (1.7)
MAP1A (1.9)	ARID1A (1.8)
PLA2G6 (1.8)	ABHD1 (1.7)
NOP58 (2.7)	ENSG00000200241 (2
AMBRA1 (2.4)	BRE (2.4)
EIF3J (2.4)	ARFGAP2 (2.3)
FNBP4 (1.5)	CHMP3 (1.5)
TUBGCP4 (2.4)	BMPR2 (2.2)
SFN (2.3)	CCDC92 (2.2)
PCIF1 (1.9)	GCKR (1.8)
PIGV (1.7)	TMEM101 (1.6)
TIMD4 (1.4)	TECTB (1.3)
TBL2 (1.9)	ZNF513 (1.8)
MRPL33 (2.3)	LSM12 (2.2)
C1QTNF4 (2.0)	PACSIN3 (2.0)
TSSK6 (1.4)	PTPMT1 (1.4)
AFF1 (1.8)	RSPO3 (1.8)
MFAP1 (1.9)	PTPMT1 (1.9)
ATG4C (2.0)	BRE (2.0)
RFX4 (1.9)	FUT2 (1.6)
SLC5A6 (1.9)	ATP13A1 (1.9)
C11orf9 (1.7)	ENSG00000182329 (1
TMEM175 (2.2)	KHK (2.2)
GALNT2 (1.3)	BNC2 (1.3)
GTF3C2 (2.1)	KLF14 (2.0)
EIF2B4 (2.1)	NDUFS3 (2.0)
PBX4 (1.9)	GPN2 (1.7)
SNX17 (2.5)	FUT1 (2.4)
PGS1 (1.5)	TECTB (1.5)
ARFGAP2 (2.2)	NOP58 (1.9)
ENSG00000256731 (2	MTMR9 (2.0)
RFX4 (1.7)	MAPK10 (1.7)
GMIP (1.9)	PREB (1.8)
FNDC4 (1.8)	PMFBP1 (1.8)
MTCH2 (2.4)	SUGP1 (2.4)
ENSG00000236267 (1	LIPC (1.6)
PTPMT1 (1.9)	NFE2L3 (1.8)
GMIP (2.0)	TRIB1 (2.0)
IMMT (2.3)	APOC4 (2.3)
REEP3 (1.8)	LPAR2 (1.8)
NUP160 (2.3)	ZNF408 (2.2)
IFT172 (2.6)	KBTBD4 (2.5)
GPN2 (2.2)	C2orf28 (2.1)

NRBP1 (1.9)	IMMT (1.9)
SUMO1 (1.8)	LPA (1.8)
VEGFA (1.8)	ENSG00000179523 (1
SDC1 (2.2)	FAM167A (2.2)
NCAN (1.8)	C11orf9 (1.8)
ENSG00000253379 (1	MRPL35 (1.8)
CITED2 (2.0)	EIF3J (2.0)
ENSG00000234945 (2	EPB41L3 (1.9)
GPN2 (2.3)	BUD13 (2.2)
PACSIN3 (2.3)	SIK3 (2.2)
TOMM40 (2.1)	CATSPER2 (2.1)
ENSG00000226645 (1	MAMSTR (1.5)
KDM3A (2.0)	BCL3 (1.9)
ABO (2.0)	TECTB (2.0)
ZNF335 (1.3)	ENSG00000236267 (1
SUPT7L (2.0)	BAZ1B (1.9)
UCN (2.4)	FUT1 (2.2)
HARBI1 (1.5)	ENSG00000234945 (1
EIF2B4 (2.1)	MTCH2 (2.0)
ABCA1 (1.8)	ENSG00000236267 (1
REEP3 (2.1)	BRE (2.1)
CTDSPL2 (2.2)	RIC8B (2.0)
HAVCR1 (1.7)	KANK2 (1.7)
ATG4C (1.9)	ENSG00000256746 (1
GTF3C2 (2.4)	TXNL4B (2.4)
NSMAF (1.7)	ENSG00000226645 (1
CBLC (1.7)	PBX4 (1.7)
ARID1A (2.0)	INTS10 (1.8)
ARID1A (2.0)	INTS10 (1.8)
ENSG00000256731 (2	MPP3 (1.9)
HAVCR1 (1.6)	CSGALNACT1 (1.5)
NR0B2 (2.1)	PPIP5K1 (2.0)
NAGS (1.7)	SDC1 (1.7)
TOMM40 (2.8)	NRBP1 (2.8)
ACP2 (1.8)	ENSG00000200241 (1
C2orf28 (1.5)	FZD9 (1.5)
MPP3 (1.7)	ZNF664 (1.7)
RSPO3 (1.8)	ENSG00000235545 (1
NUP160 (2.5)	BAZ1B (2.4)
LRP4 (1.8)	MPP3 (1.6)
BMPR2 (1.7)	PPM1G (1.7)
JMJD1C (1.9)	HDAC5 (1.9)
LPAL2 (1.8)	SUMO1 (1.7)
DNAH10 (1.9)	MTF2 (1.9)
G6PC3 (2.4)	DR1 (2.3)
REEP1 (2.1)	MADD (2.1)
PPY (2.2)	MADD (2.1)
IFT172 (3.1)	JMJD1C (2.9)
MPV17 (2.1)	DR1 (2.1)
MPP3 (2.1)	TP53BP1 (2.1)

CCDC121 (1.5)	ABHD1 (1.5)
MAMSTR (1.4)	ZNF664 (1.3)
SDC1 (1.6)	PIGV (1.6)
CATSPER2 (2.8)	MPV17 (2.8)
NRBP1 (1.8)	C11orf49 (1.7)
ATP13A1 (1.8)	FEN1 (1.7)
BCL7B (1.5)	SDCBP (1.4)
CBLC (2.0)	KANK2 (1.9)
SDCBP (2.2)	ATG13 (2.1)
NCAN (1.8)	CYP26A1 (1.7)
APOC1 (1.9)	RSPO3 (1.7)
STRC (1.6)	RIC8B (1.6)
DR1 (1.8)	REEP1 (1.7)
MAP1A (2.0)	HAVCR1 (2.0)
ENSG00000179523 (1	KBTBD4 (1.6)
G6PC3 (2.4)	BNC2 (1.9)
ENSG00000236827 (2	RASIP1 (2.0)
C2orf53 (2.3)	C2orf16 (2.3)
DUSP3 (2.3)	RSPO3 (2.2)
PMFBP1 (1.6)	MPP3 (1.6)
ENSG00000223522 (2	EPB41L3 (1.9)
PTPRJ (1.8)	EIF3J (1.7)
ZNF664 (1.3)	PIGV (1.3)
RBKS (1.9)	AGBL2 (1.8)
TRIB1 (1.8)	PTPRJ (1.8)
PPM1G (2.5)	NUP160 (2.4)
WDR76 (2.0)	DR1 (2.0)
ABO (1.7)	HDAC5 (1.6)
PBX4 (1.7)	CTSB (1.7)
GTF3C2 (2.2)	TP53BP1 (2.1)
POLR1A (1.7)	IGF2R (1.7)
BCL7B (2.1)	BRE (2.1)
POLR1A (1.5)	ARFGAP2 (1.5)
NSMAF (1.8)	GATAD2A (1.7)
SUMO1 (2.0)	PAFAH1B2 (1.9)
SUMO1 (2.0)	PAFAH1B2 (1.9)
HDAC5 (1.9)	ARFGAP2 (1.8)
RBKS (1.9)	PTPMT1 (1.8)
HAVCR1 (2.0)	PVRL2 (1.9)
CAD (2.3)	NRBP1 (2.2)
CLPTM1 (1.7)	SUMO1 (1.7)
TOMM40 (2.3)	ZNF513 (2.3)
TOMM40 (2.3)	ZNF513 (2.3)
TOMM40 (2.3)	ZNF513 (2.3)
MAPK10 (1.8)	JMJD1C (1.8)
GPN2 (2.2)	ENSG00000226645 (2
EIF2B4 (2.2)	ATG13 (2.1)
ARID1A (1.8)	MFAP1 (1.8)
SNX17 (2.1)	C2orf28 (2.1)
PGS1 (2.0)	SIK3 (1.9)

FUT1 (1.7)	ZNF512 (1.7)
AMBRA1 (1.8)	BUD13 (1.8)
CMIP (1.8)	ENSG00000223522 (1
DNAJC5G (2.1)	STRC (2.0)
DOCK6 (1.8)	ACP2 (1.8)
LINC00208 (2.0)	CKAP5 (1.9)
TAGLN (1.8)	PACSIN3 (1.8)
PLTP (1.8)	ARHGAP1 (1.7)
CCDC18 (2.4)	BRE (2.4)
PBX4 (2.1)	CASC4 (2.1)
WDR76 (1.9)	DDB2 (1.9)
SDC1 (1.6)	PVRL2 (1.4)
FUT2 (1.8)	PPY (1.7)
ZNF259 (2.3)	KBTBD4 (2.2)
ZNF259 (2.3)	KBTBD4 (2.2)
ZNF259 (2.3)	KBTBD4 (2.2)
STRC (1.4)	SUPT7L (1.4)
CAD (3.1)	POLR1A (3.0)
FUT1 (1.9)	C1QTNF4 (1.9)
MAPK10 (1.9)	ZNF408 (1.8)
UCN (1.5)	DOCK7 (1.4)
C1orf172 (1.8)	CYP26A1 (1.8)
ARFGAP2 (2.3)	NRBP1 (2.0)
MYBPC3 (2.1)	NDUFS3 (2.0)
ZNF513 (1.9)	CILP2 (1.8)
ZNF513 (1.9)	CILP2 (1.8)
DPYSL5 (1.6)	PGS1 (1.4)
CAD (2.4)	CLPTM1 (2.4)
DUSP3 (2.0)	PAFAH1B2 (1.8)
BUD13 (2.5)	DR1 (2.3)
DPYSL5 (2.2)	RSPO3 (2.2)
MAU2 (2.0)	ENSG00000234945 (1
LSM12 (2.4)	GPN1 (2.3)
C19orf80 (2.1)	CCDC18 (1.7)
CASC4 (1.9)	CYP7A1 (1.9)
C8orf12 (1.5)	PLA2G6 (1.5)
C8orf12 (1.5)	PLA2G6 (1.5)
C8orf12 (1.5)	PLA2G6 (1.5)
TIMD4 (1.7)	SIDT2 (1.7)
ZNF408 (1.9)	PVRL2 (1.8)
KANK2 (1.8)	ENSG00000223745 (1
TDH (1.8)	ACP2 (1.6)
ENSG00000257711 (1	SPG11 (1.8)
PLTP (1.8)	BCAM (1.8)
PBX4 (1.7)	GATAD2A (1.6)
TMEM101 (2.0)	GALNT2 (1.9)
ENSG00000179523 (2	PBX4 (2.1)
ARHGAP1 (2.0)	ATG13 (1.9)
BLK (1.9)	FDFT1 (1.8)
FRMD5 (1.8)	CHMP3 (1.8)

REEP1 (2.5)	CBLC (2.3)
MTF2 (2.7)	NOP58 (2.7)
EIF2B4 (2.3)	MRPL35 (2.3)
IGF2R (1.8)	LPAL2 (1.8)
EIF2B4 (1.9)	MPV17 (1.8)
TMEM101 (2.7)	TMED5 (2.7)
PREB (2.7)	PPM1G (2.7)
PTPMT1 (2.4)	EIF3J (2.1)
DHX38 (2.2)	MTMR9 (2.1)
GPN1 (1.6)	SPG11 (1.6)
BAZ1B (2.4)	CAD (2.2)
TM6SF2 (1.7)	C11orf9 (1.7)
RSPO3 (1.6)	PTPN13 (1.6)
NFE2L3 (1.5)	BCL3 (1.3)
ENSG00000236267 (1	TRNP1 (1.9)
REEP1 (1.8)	APOA4 (1.7)
INTS10 (2.5)	POLR1A (2.5)
PLA2G6 (1.8)	BAZ1B (1.8)
MPP2 (2.3)	C1orf172 (2.1)
RBKS (1.9)	PIGV (1.9)
EIF2B4 (2.5)	IMMT (2.2)
ARHGAP1 (2.2)	AMBRA1 (2.1)
MAPK10 (1.9)	ENSG00000236827 (1
NCAN (1.9)	FZD9 (1.9)
IMMT (2.2)	ARFGAP2 (2.1)
LRP4 (1.6)	C11orf49 (1.6)
DNAH10 (1.8)	CCDC92 (1.8)
FNDC4 (1.5)	ENSG00000223522 (1
BLK (1.7)	SIK3 (1.6)
KLF14 (2.0)	MPP2 (1.9)
SUMO1 (1.6)	SNX17 (1.6)
PIGV (2.6)	UBXN2B (2.6)
ABHD1 (1.9)	ENSG00000236827 (1
CAD (1.8)	KDM3A (1.8)
AGBL5 (2.1)	ENSG00000253379 (1
SFN (2.3)	BMPR2 (2.1)
FRMD5 (2.2)	ENSG00000182329 (2
PPM1G (2.0)	TUBGCP4 (2.0)
TECTB (1.7)	CETP (1.6)
DOCK6 (1.9)	DUSP3 (1.6)
HARBI1 (1.7)	RASIP1 (1.7)
RASIP1 (1.8)	FGF21 (1.6)
MTCH2 (2.1)	REEP1 (2.0)
LPA (1.9)	LPAL2 (1.7)
ENSG00000226645 (1	NFE2L3 (1.8)
DHODH (1.9)	TBL2 (1.9)
ZNF408 (2.8)	DR1 (2.5)
C2orf28 (2.2)	PPM1G (2.1)
C2orf28 (2.2)	PPM1G (2.1)
PREB (2.6)	GPN1 (2.5)

G6PC3 (2.0)	SUGP1 (1.9)
C2orf53 (1.7)	IFT172 (1.7)
POLR1A (2.7)	DOCK7 (2.5)
MFAP1 (1.9)	OST4 (1.9)
LPAR2 (2.1)	AGBL5 (2.1)
INTS10 (2.2)	CTDSPL2 (2.2)
PAFAH1B2 (1.6)	ENSG00000182329 (1
PPIP5K1 (2.0)	HDAC5 (1.9)
PMFBP1 (1.6)	SOST (1.6)
ATG4C (2.0)	NRBF2 (2.0)
TRNP1 (1.9)	PVRL2 (1.8)
ENSG00000235545 (1	MAPK10 (1.6)
C19orf80 (2.2)	ABHD1 (2.2)
C19orf80 (2.2)	ABHD1 (2.2)
AGBL5 (1.9)	C2orf16 (1.9)
ZNF335 (2.8)	CGREF1 (2.8)
ZNF335 (2.8)	CGREF1 (2.8)
STRC (1.6)	MAPK10 (1.6)
NR0B2 (1.5)	ENSG00000236267 (1
HARBI1 (2.1)	PTPN13 (2.0)
SUPT7L (2.0)	AGBL5 (2.0)
ATP13A1 (2.8)	ATG4C (2.8)
IZUMO1 (1.8)	LPAL2 (1.7)
STRC (1.9)	TMEM101 (1.9)
NEIL2 (1.7)	FGF21 (1.6)
SUGP1 (2.6)	NSMAF (2.5)
ENSG00000182319 (1	AGBL2 (1.7)
PCIF1 (2.1)	ATG4C (2.0)
FADS2 (1.7)	MAMSTR (1.7)
CCDC18 (2.2)	MLXIPL (2.2)
MADD (1.4)	EPB41L3 (1.4)
C11orf9 (1.8)	SLC22A1 (1.7)
HGFAC (1.8)	C2orf53 (1.7)
FNDC4 (1.8)	CASC4 (1.8)
FNDC4 (1.8)	CASC4 (1.8)
C8orf49 (2.1)	MTMR9 (2.1)
EIF3J (2.1)	LINC00208 (2.0)
TSSK6 (1.8)	WDR76 (1.6)
LSM12 (1.9)	PAFAH1B2 (1.8)
HDAC5 (1.9)	CITED2 (1.8)
ABO (1.8)	SOST (1.8)
ABHD1 (1.8)	SDCBP (1.8)
ABHD1 (1.8)	SDCBP (1.8)
MADD (2.1)	CMIP (2.0)
MPP2 (1.9)	KLF14 (1.9)
GPAM (1.5)	FRMD5 (1.5)
MAPRE3 (1.8)	BAZ1B (1.8)
LPAR2 (2.1)	ENSG00000257711 (2
LPAR2 (2.1)	ENSG00000257711 (2
MPP3 (2.1)	SNX17 (2.1)

C11orf49 (2.1)	G6PC3 (2.1)
ENSG00000234945 (2	CETP (2.1)
SPG11 (2.2)	LSM12 (2.2)
C8orf12 (2.2)	RFX4 (2.0)
HAVCR1 (1.8)	CATSPER2 (1.6)
DUSP3 (1.9)	MPV17 (1.8)
DR1 (1.6)	NR1H3 (1.6)
DPYSL5 (1.8)	PVRL2 (1.7)
PCIF1 (2.2)	FGF21 (1.9)
CITED2 (1.8)	NAGS (1.7)
PREB (2.3)	GTF3C2 (2.2)
RBKS (1.5)	ENSG00000256746 (1
RBKS (1.5)	ENSG00000256746 (1
SNX17 (1.9)	SDCBP (1.8)
USP1 (1.8)	FEN1 (1.7)
KLF14 (2.1)	DUSP3 (2.1)
ENSG00000223745 (1	DHX38 (1.8)
EIF2B4 (2.0)	GPN2 (2.0)
CKAP5 (1.7)	AGBL5 (1.7)
CKAP5 (1.7)	AGBL5 (1.7)
CKAP5 (1.7)	AGBL5 (1.7)
HAVCR1 (2.2)	SIK3 (1.9)
ABCA1 (1.7)	AFF1 (1.7)
NOP58 (2.1)	ZNF335 (2.1)
ZNF259 (2.1)	CAD (2.1)
ENSG00000256731 (2	HAVCR1 (2.1)
PBX4 (1.9)	BNC2 (1.8)
ENSG00000223522 (2	EIF2B4 (2.0)
TSSK6 (1.8)	CELF1 (1.8)
C2orf28 (2.3)	ENSG00000255020 (2
C2orf28 (2.3)	ENSG00000255020 (2
C2orf28 (2.3)	ENSG00000255020 (2
CGREF1 (1.5)	ENSG00000226645 (1
ENSG00000223745 (1	RSPO3 (1.8)
ENSG00000223522 (1	CATSPER2 (1.9)
CTSB (2.3)	HAPLN4 (2.1)
MAPK10 (1.9)	MAP1A (1.8)
MTMR9 (1.5)	PBX4 (1.5)
UBXN2B (1.5)	MAMSTR (1.5)
C8orf12 (2.1)	FUT1 (2.1)
HDAC5 (1.7)	ENSG00000182319 (1
ARFGAP2 (2.1)	C2orf28 (2.0)
ATP13A1 (2.2)	ZNF259 (2.2)
C2orf28 (2.2)	ENSG00000255020 (1
NSMAF (1.8)	EPB41L3 (1.7)
CMIP (1.7)	MAU2 (1.6)
SIDT2 (2.1)	ENSG00000222035 (2
PBX4 (1.6)	TDH (1.5)
PBX4 (1.6)	TDH (1.5)
PPM1G (2.1)	IMMT (2.1)

TMEM214 (2.1)	PLA2G6 (2.0)
LRP4 (1.9)	DOCK6 (1.8)
COBLL1 (1.9)	CGREF1 (1.9)
GCKR (1.8)	SLC22A1 (1.8)
CMIP (1.8)	DR1 (1.6)
TECTB (2.1)	ENSG00000256731 (2
MAPK10 (2.1)	C1QTNF4 (1.8)
IGF2R (2.4)	SUGP1 (2.3)
DNAH10 (1.7)	PTPN13 (1.7)
CTDSPL2 (1.8)	CMIP (1.7)
BAZ1B (2.0)	MFAP1 (2.0)
HP (1.4)	BUD13 (1.3)
ARFGAP2 (2.1)	GMIP (2.1)
AMBRA1 (2.5)	NRBP1 (2.5)
SNX17 (1.8)	CHMP3 (1.7)
ARHGAP1 (1.8)	G6PC3 (1.7)
APOC4 (1.9)	ENSG00000182329 (1
STRC (1.4)	HARBI1 (1.4)
ENSG00000257711 (2	TMEM175 (2.0)
PCIF1 (2.0)	ENSG00000253379 (2
NDUFS3 (2.5)	NRBP1 (2.5)
INTS10 (2.1)	ZNF335 (2.1)
SIK3 (2.3)	HDAC5 (2.3)
AMBRA1 (1.7)	PTPRJ (1.6)
GPN1 (2.8)	DHODH (2.7)
NFE2L3 (1.7)	ZNF513 (1.7)
GATAD2A (1.7)	TP53BP1 (1.7)
TRIM54 (1.5)	DPYSL5 (1.5)
TRIM54 (1.5)	DPYSL5 (1.5)
TRIM54 (1.5)	DPYSL5 (1.5)
GPN2 (2.2)	ZNF513 (2.2)
ATP13A1 (1.8)	EIF3J (1.7)
CTSB (2.3)	HAPLN4 (2.3)
MPP3 (2.0)	FUT2 (1.8)
ENSG00000255020 (2	CHMP3 (1.9)
CATSPER2 (2.2)	ENSG00000256746 (2
GPN2 (2.1)	INTS10 (2.1)
NFE2L3 (1.8)	PTPMT1 (1.8)
C17orf105 (1.4)	BNC2 (1.3)
REEP1 (1.8)	IZUMO1 (1.6)
POLR1A (2.4)	PTCD3 (2.3)
GMIP (1.8)	CCDC121 (1.6)
NAGS (2.1)	CASC4 (2.0)
BRE (1.7)	PPM1G (1.7)
C2orf53 (2.0)	TMEM101 (2.0)
ZDHHC18 (1.8)	TDH (1.7)
CLPTM1 (2.0)	GPN1 (2.0)
TRNP1 (1.8)	CHMP3 (1.7)
PTCD3 (2.0)	ATP13A1 (1.9)
ENSG00000255020 (1	BRE (1.6)

NRBF2 (1.8)	ENSG00000182319 (1
GATAD2A (1.7)	SNX17 (1.6)
ABO (1.6)	TMEM214 (1.6)
ENSG00000234945 (1	TMEM101 (1.7)
C11orf9 (1.9)	EPB41L3 (1.7)
TAGLN (1.8)	BCAM (1.7)
ENSG00000223522 (2	IGF2R (1.9)
C2orf16 (1.8)	SLC5A6 (1.5)
DR1 (1.7)	SDC1 (1.7)
C11orf9 (2.4)	CYP26A1 (2.2)
CHMP3 (2.1)	PTPRJ (2.1)
REEP3 (1.8)	MPV17 (1.7)
SUGP1 (2.5)	ZNF512 (2.5)
C2orf16 (1.8)	NSMAF (1.7)
TUBGCP4 (2.0)	SUGP1 (1.9)
ZNF408 (2.1)	USP1 (2.1)
GTF3C2 (2.0)	NSMAF (1.8)
INTS10 (2.1)	DR1 (2.0)
TAGLN (1.8)	REEP1 (1.8)
MFAP1 (1.9)	ENSG00000223522 (1
IMMT (2.6)	INTS10 (2.5)
CILP2 (1.8)	C1QTNF4 (1.7)
LSM12 (1.8)	GPN1 (1.8)
SDCBP (1.7)	UBXN2B (1.7)
RFX4 (1.9)	ENSG00000236827 (1
CILP2 (2.3)	C8orf49 (2.2)
NOP58 (2.3)	FEN1 (2.1)
NRBP1 (2.3)	SNX17 (2.2)
MADD (2.1)	DHX38 (2.1)
BCAM (2.1)	POLR1A (2.0)
NEIL2 (1.7)	TIMD4 (1.7)
PREB (2.5)	GPN2 (2.4)
GPAM (1.7)	PDIA3 (1.7)
IZUMO1 (2.6)	DNAH10 (2.0)
DNAH10 (1.8)	MAFF (1.8)
SIDT2 (1.8)	C1QTNF4 (1.8)
C2orf16 (1.9)	ARHGAP1 (1.9)
FAM167A (1.8)	CCDC121 (1.8)
CITED2 (2.0)	BAZ1B (1.9)
MAPK10 (2.0)	DNAJC5G (1.9)
SLC22A3 (1.6)	LINC00208 (1.6)
FEN1 (2.9)	PIGV (2.7)
MAU2 (2.1)	NOP58 (2.1)
ZNF513 (1.8)	ACP2 (1.8)
ZNF664 (2.0)	BUD13 (2.0)
NOP58 (2.4)	EIF2B4 (2.3)
KLF14 (1.5)	MAP1A (1.2)
ABHD1 (1.8)	PTPMT1 (1.8)
REEP3 (1.4)	C2orf53 (1.4)
GPAM (1.7)	MAMSTR (1.6)

FZD9 (2.0)	ENSG00000182319 (2
ZNF335 (1.4)	MRPL33 (1.4)
MLXIPL (1.8)	HAPLN4 (1.8)
KANK2 (1.9)	GTF3C2 (1.8)
ENSG00000222035 (1	TAGLN (1.7)
PACSIN3 (2.1)	DOCK6 (2.1)
GATAD2A (2.2)	INTS10 (2.2)
PREB (3.1)	IFT172 (3.1)
GPN1 (2.3)	MRPL33 (2.1)
MPP3 (2.0)	CTDSPL2 (1.9)
CHMP3 (1.6)	PPM1G (1.6)
ARID1A (1.9)	BMPR2 (1.9)
TUBGCP4 (2.1)	NUP160 (2.0)
TRNP1 (1.8)	BCL7B (1.8)
NUP160 (2.3)	SUGP1 (2.3)
PAFAH1B2 (2.0)	NSMAF (1.9)
CSGALNACT1 (1.9)	PBX4 (1.7)
GMIP (2.1)	TAGLN (2.1)
ENSG00000255020 (1	BUD13 (1.8)
PVRL2 (2.0)	HDAC5 (1.9)
KLF14 (1.9)	FAM167A (1.8)
ZNF408 (2.3)	GPN1 (2.2)
ATG13 (2.6)	IFT172 (2.6)
ATG13 (2.6)	IFT172 (2.6)
ARFGAP2 (2.0)	LSM12 (1.9)
CGREF1 (1.3)	LPAR2 (1.3)
SLC5A6 (2.4)	HARBI1 (2.3)
AMBRA1 (1.8)	TDH (1.8)
STRC (1.9)	MPP3 (1.8)
TMED5 (2.6)	ATG4C (2.3)
SNX17 (2.3)	INTS10 (2.1)
MADD (1.8)	EIF3J (1.7)
TMED5 (1.9)	ATP13A1 (1.9)
ZNF513 (2.0)	ACP2 (1.9)
ZNF513 (2.0)	ACP2 (1.9)
DNAJC5G (2.0)	CELF1 (2.0)
CCDC18 (1.8)	C2orf53 (1.6)
EIF2B4 (2.1)	OST4 (1.8)
CITED2 (2.0)	LPAR2 (2.0)
SUPT7L (2.2)	TRIB1 (2.1)
GTF3C2 (2.1)	NR1H3 (2.0)
ENSG00000257711 (1	ENSG00000255020 (1
DHX38 (1.8)	CMIP (1.8)
PCIF1 (2.6)	DR1 (2.6)
C2orf28 (2.4)	PPM1G (2.0)
C2orf28 (2.4)	PPM1G (2.0)
SIDT2 (2.3)	EMILIN1 (2.0)
C8orf49 (1.6)	IGF2R (1.6)
GPN1 (2.7)	NUP160 (2.6)
PAFAH1B2 (1.8)	PTPN13 (1.8)

NR1H3 (2.2)	HAPLN4 (2.1)
MAPRE3 (1.9)	TDH (1.8)
ARFGAP2 (2.0)	SUMO1 (2.0)
CITED2 (2.0)	NCAN (2.0)
PTPMT1 (1.7)	NEIL2 (1.7)
EIF2B4 (2.4)	GPN1 (2.4)
CLPTM1 (1.9)	GPN2 (1.9)
FAM167A (1.6)	MYBPC3 (1.6)
HAVCR1 (1.8)	LPAR2 (1.6)
OST4 (2.5)	PREB (2.2)
CCDC92 (1.5)	PLTP (1.5)
CYP7A1 (2.2)	AMBRA1 (2.1)
MADD (1.9)	MAPK10 (1.9)
MADD (2.0)	C8orf12 (1.9)
DPYSL5 (1.8)	TECTB (1.7)
PREB (2.2)	ARFGAP2 (2.0)
SLC22A3 (1.8)	MAP1A (1.8)
NRBP1 (1.8)	ZNF335 (1.8)
C2orf53 (1.9)	BRE (1.8)
TOMM40 (2.1)	ZNF259 (2.0)
PMFBP1 (1.6)	LPAL2 (1.6)
ENSG00000222035 (2	ZNF335 (1.9)
NUP160 (2.5)	EIF2B4 (2.4)
PYY (1.6)	PCIF1 (1.5)
FRMD5 (1.9)	ENSG00000179523 (1
ZDHHC18 (1.8)	CETP (1.7)
TUBGCP4 (1.6)	TECTB (1.6)
SLC22A3 (1.6)	ENSG00000223745 (1
ENSG00000182319 (1	TECTB (1.6)
C2orf53 (2.1)	ZDHHC18 (2.0)
DHODH (1.7)	PGS1 (1.7)
NR1H3 (1.8)	AMBRA1 (1.7)
SIDT2 (2.0)	AFF1 (1.9)
MAPK10 (1.9)	REEP1 (1.7)
PTCD3 (2.5)	SUGP1 (2.5)
BCAM (1.9)	PLTP (1.9)
C17orf105 (1.8)	ENSG00000226645 (1
FDFT1 (1.7)	NEIL2 (1.7)
STRC (2.1)	LPL (2.0)
CLPTM1 (2.2)	BRE (2.2)
ZNF335 (2.0)	PPM1G (2.0)
C2orf53 (2.0)	ATG13 (1.9)
PPIP5K1 (2.0)	MADD (1.9)
EPB41L3 (2.1)	FRMD5 (1.9)
EPB41L3 (2.1)	FRMD5 (1.9)
TMEM214 (1.8)	C2orf28 (1.7)
PREB (2.1)	SNX17 (1.9)
AMBRA1 (1.8)	RBKS (1.8)
BAZ1B (2.2)	TOMM40 (2.2)
BAZ1B (2.2)	TOMM40 (2.2)

KRTCAP3 (1.8)	TSSK6 (1.8)
GTF3C2 (2.3)	INTS10 (2.2)
TM6SF2 (1.9)	PMFBP1 (1.9)
PTPRJ (1.9)	MTF2 (1.9)
NRBP1 (1.6)	CTSB (1.5)
NRBP1 (1.6)	CTSB (1.5)
REEP3 (2.1)	JMJD1C (2.0)
FAM167A (2.2)	MPP3 (2.1)
GATAD2A (1.3)	ZNF664 (1.3)
C11orf9 (2.0)	NCAN (1.9)
BCL3 (1.9)	ENSG00000255020 (1
IGF2R (2.2)	ENSG00000179523 (2
CCDC121 (1.8)	LRP4 (1.8)
LRP4 (1.9)	CYP26A1 (1.9)
ARFGAP2 (2.2)	IMMT (2.0)
FZD9 (1.9)	ENSG00000235545 (1
CKAP5 (1.6)	C1QTNF4 (1.3)
USP1 (1.7)	CELF1 (1.7)
ENSG00000200241 (1	DNAJC5G (1.8)
ENSG00000256731 (1	C2orf53 (1.4)
AFF1 (2.0)	ENSG00000222035 (1
PLA2G6 (2.1)	CHMP3 (2.1)
FUT1 (1.5)	ZDHHC18 (1.4)
ZNF513 (1.9)	FRMD5 (1.9)
ZDHHC18 (1.7)	LIPC (1.6)
CAD (1.9)	CATSPER2 (1.8)
ARHGAP1 (1.9)	TMEM175 (1.9)
HDAC5 (1.6)	MPP2 (1.6)
HARBI1 (2.5)	C2orf53 (2.5)
C1orf172 (1.7)	TMEM101 (1.7)
NEIL2 (2.0)	SUMO1 (1.9)
SNX17 (2.4)	IZUMO1 (2.3)
DOCK7 (1.8)	GATAD2A (1.8)
ENSG00000254235 (1	KRTCAP3 (1.8)
EMILIN1 (1.9)	ENSG00000254235 (1
SLC22A3 (1.7)	CLPTM1 (1.6)
KRTCAP3 (2.4)	CCDC121 (2.3)
TMEM175 (2.0)	KLF14 (1.9)
DDB2 (2.2)	TDH (2.0)
NSMAF (2.1)	GMIP (2.1)
NRBP1 (2.1)	PPM1G (2.0)
RSPO3 (1.7)	LINC00208 (1.7)
ZNF408 (2.7)	PDIA3 (2.5)
ZNF408 (1.8)	ARID1A (1.8)
PTCD3 (1.6)	AGBL5 (1.6)
MLXIPL (2.0)	MAMSTR (1.9)
SUPT7L (2.6)	ENSG00000223745 (2
TXNL4B (2.3)	PCIF1 (2.3)
ENSG00000222035 (1	DNAJC5G (1.5)
TP53BP1 (1.7)	WDR76 (1.7)

COBLL1 (1.9)	NFE2L3 (1.9)
PAFAH1B2 (1.9)	ARID1A (1.9)
SUPT7L (3.2)	C2orf28 (3.1)
ZNF664 (1.8)	NRBP1 (1.8)
MTF2 (2.1)	UBXN2B (1.9)
CETP (1.8)	APOC1 (1.8)
ENSG00000256746 (2	UBXN2B (2.6)
IMMT (2.0)	ENSG00000236267 (1
GMIP (1.6)	SLC22A3 (1.5)
SLC5A6 (1.6)	PTPN13 (1.5)
ARHGAP1 (1.6)	APOE (1.6)
ZNF664 (2.0)	KANK2 (1.9)
NEIL2 (1.7)	DPYSL5 (1.6)
ABO (1.8)	NCAN (1.6)
PPM1G (1.9)	CATSPER2 (1.9)
CCDC92 (2.0)	C2orf16 (2.0)
SNX17 (1.7)	CAD (1.7)
CBLC (1.9)	TUBGCP4 (1.8)
DPYSL5 (1.8)	ENSG00000255020 (1
BUD13 (1.9)	DOCK7 (1.9)
MAMSTR (1.9)	BNC2 (1.9)
ENSG00000254235 (1	TBL2 (1.7)
GATA4 (2.0)	TDH (1.9)
COBLL1 (1.5)	FZD9 (1.5)
PPIP5K1 (2.1)	SUPT7L (1.8)
EIF3J (1.9)	SIK3 (1.8)
CCDC121 (2.4)	PTCD3 (2.1)
SDC1 (1.6)	CILP2 (1.6)
TDH (1.7)	G6PC3 (1.6)
PIGV (1.7)	ZNF664 (1.6)
KANK2 (2.1)	TDH (2.1)
ENSG00000223522 (1	RSPO3 (1.6)
POLR1A (1.7)	NUP160 (1.6)
C8orf12 (1.8)	MAU2 (1.8)
JMJD1C (2.0)	ENSG00000223745 (1
PTPN13 (1.7)	CYP26A1 (1.7)
UCN (1.4)	MAMSTR (1.4)
UCN (1.4)	MAMSTR (1.4)
ENSG00000223522 (1	ENSG00000179523 (1
CTDSPL2 (2.0)	PAFAH1B2 (1.8)
FAM167A (2.0)	DHX38 (1.9)
BCAM (1.8)	C11orf9 (1.7)
SUPT7L (2.3)	TBL2 (2.2)
CBLC (2.0)	TM6SF2 (1.9)
MYBPC3 (1.7)	TRIM54 (1.7)
ENSG00000182319 (2	ENSG00000234945 (1
CATSPER2 (2.2)	NFE2L3 (1.6)
BCAM (1.9)	KHK (1.9)
EPB41L3 (1.7)	G6PC3 (1.6)
CD300LG (2.2)	CMIP (2.2)

HARBI1 (1.8)	TDH (1.7)
MFAP1 (2.5)	NUP160 (2.4)
TMEM175 (2.1)	ZNF512 (1.9)
SNX17 (2.0)	PPM1G (2.0)
RBKS (1.8)	FUT1 (1.8)
IFT172 (1.6)	FADS1 (1.5)
GATA4 (2.1)	RBKS (2.1)
ENSG00000223522 (2	C11orf9 (2.1)
LRP4 (2.1)	SDC1 (1.9)
GATAD2A (1.7)	GPN1 (1.6)
ENSG00000254235 (1	C2orf53 (1.6)
MTF2 (2.3)	AMBRA1 (2.3)
FGF21 (1.7)	C2orf53 (1.6)
PMFBP1 (2.0)	SUGP1 (1.9)
ENSG00000223745 (1	LPAR2 (1.3)
ARID1A (1.9)	OST4 (1.9)
SPG11 (1.9)	CBLC (1.8)
SDCBP (1.6)	ARFGAP2 (1.6)
ZNF664 (2.2)	CAD (2.1)
DDB2 (1.8)	DOCK6 (1.6)
DHODH (1.7)	ENSG00000257711 (1
DNAJC5G (1.6)	SLC30A3 (1.6)
UCN (2.2)	PREB (2.1)
TMEM101 (1.8)	ATP13A1 (1.7)
CGREF1 (2.0)	MAMSTR (1.9)
DDB2 (2.3)	TUBGCP4 (2.2)
CMIP (1.6)	ATP13A1 (1.6)
C2orf53 (1.7)	HP (1.6)
EIF2B4 (2.3)	TOMM40 (2.3)
CLPTM1 (2.1)	ACP2 (1.9)
NRBF2 (2.2)	IFT172 (2.1)
NOP58 (2.4)	ENSG00000223745 (2
CSGALNACT1 (1.7)	TUBGCP4 (1.7)
TOMM40 (1.8)	SLC5A6 (1.8)
TOMM40 (1.8)	SLC5A6 (1.8)
BUD13 (2.4)	GPN2 (2.3)
COBLL1 (1.7)	EMILIN1 (1.7)
GALNT2 (1.9)	CYP7A1 (1.8)
BMPR2 (1.6)	RSPO3 (1.6)
VEGFA (1.7)	CKAP5 (1.7)
ARHGAP1 (2.0)	SDC1 (1.8)
CYP26A1 (1.6)	KHK (1.5)
IMMT (2.3)	PREB (2.3)
NFE2L3 (1.7)	PTPN13 (1.7)
DHODH (2.1)	EIF2B4 (2.0)
CMIP (1.8)	GATAD2A (1.6)
TOMM40 (2.4)	EIF2B4 (2.4)
NEIL2 (1.4)	ATG4C (1.3)
SPG11 (2.0)	CSGALNACT1 (2.0)
FUT1 (2.0)	RASIP1 (1.9)

BUD13 (2.3)	SUMO1 (2.3)
ZDHHC18 (1.7)	GMIP (1.6)
SPG11 (1.9)	RIC8B (1.9)
MAMSTR (1.9)	CBLC (1.8)
CD300LG (1.8)	MTF2 (1.7)
IFT172 (1.8)	TMEM101 (1.8)
DR1 (2.2)	ARID1A (2.2)
PTPRJ (2.0)	TIMD4 (2.0)
CCDC121 (1.5)	FUT1 (1.4)
TUBGCP4 (2.7)	MFAP1 (2.3)
FRMD5 (1.9)	TP53BP1 (1.9)
MTMR9 (2.5)	FEN1 (2.4)
C2orf28 (2.2)	ENSG00000255020 (2
EIF3J (2.2)	NUP160 (2.2)
CCDC121 (1.7)	FDFT1 (1.7)
C2orf28 (2.5)	TM6SF2 (2.3)
C1QTNF4 (1.8)	GMIP (1.7)
PTPRJ (1.5)	REEP1 (1.5)
ENSG00000235545 (1	RASIP1 (1.8)
PTPMT1 (2.6)	RIC8B (1.9)
KBTBD4 (1.7)	NDUFS3 (1.6)
ZNF512 (1.6)	TM6SF2 (1.6)
ACP2 (1.7)	CILP2 (1.6)
PIGV (1.8)	CLPTM1 (1.7)
POLR1A (2.3)	MAFF (2.3)
KLF14 (1.5)	ENSG00000235545 (1
UCN (1.7)	PBX4 (1.7)
ENSG00000226645 (2	NUP160 (2.1)
PAFAH1B2 (2.0)	LSM12 (2.0)
IMMT (2.4)	C2orf28 (2.3)
IMMT (2.4)	C2orf28 (2.3)
EIF2B4 (2.3)	NUP160 (2.2)
CBLC (1.3)	PTPRJ (1.3)
CBLC (1.3)	PTPRJ (1.3)
SDC1 (1.9)	FNDC4 (1.8)
CTDSPL2 (2.2)	TXNL4B (2.1)
BNC2 (1.7)	CYP26A1 (1.5)
TDH (1.5)	LINC00208 (1.4)
ENSG00000223745 (1	ZNF512 (1.6)
NAT2 (1.6)	C2orf53 (1.6)
ZNF513 (1.6)	GMIP (1.5)
PREB (2.2)	IMMT (2.1)
LSM12 (2.0)	KDM3A (2.0)
ENSG00000255020 (2	SLC22A1 (2.1)
PYY (1.6)	CITED2 (1.6)
PBX4 (1.8)	C1QTNF4 (1.7)
TMEM101 (1.9)	ENSG00000254235 (1
SUGP1 (1.4)	ATP13A1 (1.4)
VEGFA (2.1)	TECTB (2.1)
INTS10 (2.4)	TXNL4B (2.4)

GATAD2A (1.5)	TDH (1.4)
GCKR (2.0)	RBKS (1.9)
GCKR (2.0)	RBKS (1.9)
ENSG00000222035 (1	ZNF512 (1.6)
PCIF1 (2.2)	USP1 (2.2)
EIF3J (2.3)	TXNL4B (2.0)
GMIP (1.6)	ENSG00000235545 (1
KRTCAP3 (1.9)	NUP160 (1.8)
BCL7B (2.3)	CAD (2.3)
SUGP1 (2.9)	MADD (2.7)
MRPL35 (2.2)	ARFGAP2 (2.1)
PDIA3 (2.2)	ENSG00000200241 (2
SUMO1 (2.3)	ENSG00000235545 (2
CBLC (2.0)	APOC3 (2.0)
STRC (2.1)	ZNF335 (2.1)
TUBGCP4 (2.0)	EIF3J (1.8)
PTCD3 (2.3)	ENSG00000235545 (2
MADD (2.2)	SNX17 (2.2)
TMEM175 (2.1)	TBL2 (2.1)
PACSIN3 (2.1)	MPP3 (2.0)
ARFGAP2 (2.0)	NUP160 (1.9)
EIF3J (2.1)	PCIF1 (2.0)
ENSG00000255020 (1	ENSG00000236827 (1
ENSG00000222035 (1	C1QTNF4 (1.5)
SFN (2.0)	LPAR2 (2.0)
IZUMO1 (2.1)	CCDC121 (2.0)
VEGFA (1.8)	BNC2 (1.7)
SDC1 (2.1)	IGF2R (1.8)
LPAR2 (1.4)	PLA2G6 (1.3)
SNX17 (1.5)	DOCK7 (1.4)
REEP3 (1.8)	PPIP5K1 (1.7)
PTCD3 (1.7)	SUPT7L (1.7)
PTCD3 (1.7)	SUPT7L (1.7)
PTPN13 (1.3)	ANGPTL3 (1.3)
PLTP (1.6)	C2orf53 (1.6)
EIF3J (2.0)	SUMO1 (2.0)
G6PC3 (2.1)	PGS1 (2.1)
PYY (2.0)	BCL7B (1.9)
DNAJC5G (1.8)	ZNF335 (1.8)
RFX4 (1.6)	SIK3 (1.6)
DPYSL5 (2.3)	REEP1 (2.3)
RASIP1 (2.0)	ARHGAP1 (2.0)
CITED2 (1.7)	C1QTNF4 (1.5)
MTF2 (1.7)	BCL7B (1.6)
HAVCR1 (1.9)	STRC (1.9)
MADD (2.3)	CHMP3 (1.9)
ARFGAP2 (2.2)	ENSG00000255020 (2
MYBPC3 (1.8)	PACSIN3 (1.7)
PDIA3 (1.9)	G6PC3 (1.9)
MAP1A (2.0)	ARHGAP1 (2.0)

TRNP1 (1.3)	FUT2 (1.1)
SNX17 (2.1)	PPM1G (2.0)
RBKS (1.6)	MAMSTR (1.6)
BCL7B (2.1)	NRBF2 (2.0)
TMEM101 (1.9)	PTPMT1 (1.7)
TMEM214 (1.4)	ATG13 (1.4)
AMBRA1 (1.9)	GATAD2A (1.7)
C2orf28 (2.2)	IMMT (1.9)
DHX38 (2.4)	ARFGAP2 (2.4)
ABHD1 (2.0)	CATSPER2 (1.8)
PGS1 (1.8)	MTMR9 (1.7)
PGS1 (1.8)	MTMR9 (1.7)
DNAJC5G (2.3)	EPB41L3 (2.2)
NSMAF (2.4)	SUPT7L (2.3)
BMPR2 (1.9)	IGF2R (1.8)
TOMM40 (1.9)	PGS1 (1.9)
MADD (1.9)	ENSG00000256746 (1
NCAN (1.6)	LINC00208 (1.6)
RBKS (1.3)	PLA2G6 (1.2)
TP53BP1 (1.9)	C8orf12 (1.9)
TP53BP1 (1.9)	C8orf12 (1.9)
COBLL1 (2.1)	CASC4 (2.1)
DHX38 (1.9)	CGREF1 (1.8)
IMMT (2.1)	SUGP1 (2.0)
C2orf28 (2.1)	PREB (2.1)
C1QTNF4 (1.7)	ABO (1.7)
TXNL4B (1.9)	POLR1A (1.8)
ZNF512 (2.4)	ENSG00000223522 (2
PYY (2.1)	DPYSL5 (2.1)
BUD13 (2.8)	EIF3J (2.7)
BUD13 (2.8)	EIF3J (2.7)
DR1 (2.1)	ENSG00000223745 (2
SLC5A6 (1.5)	NR1H3 (1.5)
TXNL4B (1.7)	MLXIPL (1.7)
TXNL4B (1.7)	MLXIPL (1.7)
BAZ1B (2.2)	TOMM40 (2.2)
NR0B2 (1.5)	ENSG00000200241 (1
ENSG00000236827 (1	ENSG00000256746 (1
BAZ1B (2.3)	FEN1 (2.3)
KLF14 (1.5)	TMEM175 (1.5)
C8orf12 (1.5)	ENSG00000200241 (1
BNC2 (1.8)	ZDHHC18 (1.7)
TRIM54 (2.2)	GPN1 (2.2)
MTMR9 (2.0)	NRBF2 (2.0)
MPV17 (2.6)	EIF3J (2.5)
MADD (1.8)	PBX4 (1.7)
SUMO1 (2.1)	PVRL2 (2.0)
RFX4 (1.6)	SDCBP (1.5)
SIK3 (1.7)	IZUMO1 (1.7)
CAD (1.8)	BAZ1B (1.8)

FNBP4 (1.4)	GATAD2A (1.3)
TUBGCP4 (2.4)	INTS10 (2.4)
BCL7B (1.8)	GATAD2A (1.8)
UBXN2B (1.8)	LRP4 (1.8)
ANGPTL4 (2.2)	F2 (2.1)
ARFGAP2 (2.1)	IMMT (1.9)
MTF2 (2.5)	GTF3C2 (2.3)
ZNF335 (1.3)	ARID1A (1.3)
SUMO1 (2.2)	TSSK6 (2.2)
BCL3 (1.6)	MAMSTR (1.6)
KLF14 (1.5)	FRMD5 (1.5)
FGF21 (1.8)	TECTB (1.8)
PYY (2.0)	CBLC (2.0)
RIC8B (2.2)	SUGP1 (2.1)
PYY (1.8)	MRPL33 (1.8)
PTPRJ (1.8)	MTMR9 (1.8)
MPP2 (1.9)	PVRL2 (1.8)
PMFBP1 (1.7)	KHK (1.6)
ABO (2.4)	MPP3 (2.4)
GTF3C2 (1.8)	GPN2 (1.8)
C8orf12 (2.0)	TRNP1 (1.8)
LSM12 (1.6)	PTPRJ (1.5)
PTCD3 (1.9)	EIF2B4 (1.8)
PTPMT1 (1.6)	CATSPER2 (1.6)
MAPK10 (2.0)	ENSG00000179523 (1
AMBRA1 (2.1)	IFT172 (2.1)
RIC8B (1.8)	ENSG00000234945 (1
MAU2 (2.0)	FNBP4 (1.9)
FUT1 (2.0)	TSSK6 (1.9)
PIGV (1.6)	FAM167A (1.5)
FUT2 (2.0)	STRC (2.0)
PLA2G6 (2.2)	G6PC3 (2.0)
PLA2G6 (2.2)	G6PC3 (2.0)
ENSG00000255020 (1	LRP4 (1.8)
G6PC3 (1.9)	STRC (1.9)
SLC22A3 (1.5)	ENSG00000236827 (1
SLC22A3 (1.5)	ENSG00000236827 (1
HAVCR1 (2.1)	FRMD5 (2.0)
C11orf49 (1.9)	ARFGAP2 (1.9)
KDM3A (2.0)	AFF1 (1.9)
JMJD1C (1.7)	ARID1A (1.7)
PAFAH1B2 (1.8)	FNDC4 (1.7)
PPIP5K1 (2.4)	BUD13 (2.3)
TAGLN (1.8)	RSPO3 (1.8)
PDIA3 (2.8)	ARFGAP2 (2.5)
FRMD5 (2.2)	SLC30A3 (2.1)
POLR1A (2.7)	SUGP1 (2.7)
PREB (2.3)	C11orf49 (2.3)
KANK2 (1.8)	GATAD2A (1.7)
SDCBP (2.0)	AMBRA1 (2.0)

PAFAH1B2 (2.3)	INTS10 (2.3)
MFAP1 (2.4)	ARID1A (2.3)
MFAP1 (2.4)	ARID1A (2.3)
ZNF408 (2.0)	TOMM40 (2.0)
MAMSTR (2.1)	ENSG00000223745 (1
PPM1G (2.3)	IMMT (2.1)
RIC8B (1.5)	FGF21 (1.5)
SDCBP (2.0)	C1orf172 (1.9)
TMEM175 (0.7)	STRC (0.7)
CTDSPL2 (2.1)	FUT2 (2.0)
MAMSTR (2.3)	ARHGAP1 (1.8)
BNC2 (1.9)	DOCK7 (1.9)
ZDHHC18 (2.0)	MAPK10 (2.0)
KDM3A (1.4)	GATAD2A (1.4)
ENSG00000182319 (2	IGF2R (2.1)
CGREF1 (1.5)	PGS1 (1.4)
NDUFS3 (2.5)	ENSG00000200241 (2
BCAM (1.6)	LINC00208 (1.5)
C8orf12 (1.5)	NAT2 (1.5)
BUD13 (2.4)	TOMM40 (2.4)
TXNL4B (2.1)	CTDSPL2 (2.1)
RSPO3 (1.9)	SOST (1.8)
TMEM175 (1.6)	ZDHHC18 (1.6)
CCDC121 (1.7)	C11orf9 (1.7)
AGBL5 (2.4)	SIDT2 (2.1)
ENSG00000255020 (1	REEP3 (1.5)
MPP3 (2.1)	C1QTNF4 (1.8)
MTF2 (2.4)	PREB (2.3)
NEIL2 (1.6)	FRMD5 (1.5)
RFX4 (1.5)	DPYSL5 (1.5)
AMBRA1 (1.5)	BRE (1.4)
CLPTM1 (2.1)	NRBP1 (2.0)
GTF3C2 (1.9)	SIK3 (1.9)
INTS10 (2.4)	BUD13 (2.3)
FNBP4 (1.8)	FUT1 (1.7)
PREB (2.5)	TMED5 (2.4)
BCL7B (2.0)	CSGALNACT1 (2.0)
BAZ1B (2.3)	GPN1 (2.2)
ATG13 (1.6)	NEIL2 (1.5)
SIK3 (2.1)	C2orf28 (1.9)
USP1 (1.7)	ENSG00000226645 (1
ATG4C (1.8)	PGS1 (1.8)
AGBL5 (2.2)	MFAP1 (2.2)
ENSG00000182319 (1	REEP3 (1.7)
UCN (2.1)	NSMAF (2.1)
SUPT7L (1.9)	ZNF513 (1.9)
MPP3 (2.1)	MAPK10 (2.0)
PGS1 (1.9)	ENSG00000182319 (1
SDC1 (1.6)	SLC5A6 (1.6)
MRPL35 (2.4)	NRBP1 (2.2)

MRPL35 (2.4)	NRBP1 (2.2)
TDH (2.2)	BRE (2.2)
GMIP (1.8)	BCL3 (1.6)
NUP160 (2.0)	NSMAF (1.9)
BCL7B (2.0)	PTPMT1 (2.0)
KBTBD4 (1.8)	LINC00208 (1.7)
VEGFA (2.2)	AGBL5 (2.0)
PACSIN3 (1.9)	MAPK10 (1.9)
TP53BP1 (2.0)	TUBGCP4 (2.0)
BNC2 (1.9)	KLF14 (1.8)
ARID1A (1.6)	ENSG00000182319 (1
SIDT2 (2.0)	CYP26A1 (2.0)
MLXIPL (1.9)	CD300LG (1.9)
CD300LG (1.9)	SOST (1.8)
CAD (2.8)	POLR1A (2.8)
CAD (2.8)	POLR1A (2.8)
ZNF335 (1.6)	HAPLN4 (1.5)
REEP1 (1.8)	KLF14 (1.7)
CLPTM1 (1.6)	PTCD3 (1.6)
CD300LG (1.8)	TMED5 (1.7)
ARFGAP2 (2.1)	IMMT (2.0)
APOA1 (1.6)	SFN (1.6)
ENSG00000256746 (2	CASC4 (1.9)
NCAN (2.0)	FNDC4 (2.0)
ENSG00000182319 (1	ZDHHC18 (1.8)
SIK3 (1.5)	RBKS (1.4)
C8orf12 (1.6)	ENSG00000234945 (1
MFAP1 (2.8)	NUP160 (2.7)
CELF1 (2.0)	ARID1A (1.9)
SUMO1 (1.7)	PMFBP1 (1.6)
MAU2 (2.5)	NUP160 (2.5)
PTCD3 (2.0)	ENSG00000234945 (1
NEIL2 (2.0)	FDFT1 (1.9)
ABHD1 (1.9)	COBLL1 (1.7)
FNDC4 (1.9)	ENSG00000255020 (1
DOCK7 (2.0)	CHMP3 (2.0)
C2orf28 (2.2)	ENSG00000255020 (2
ENSG00000257711 (1	MAPK10 (1.5)
REEP1 (1.9)	PPIP5K1 (1.9)
C8orf49 (1.9)	C2orf16 (1.9)
MTMR9 (1.7)	DHX38 (1.7)
TXNL4B (1.9)	C17orf105 (1.9)
SIK3 (2.1)	CILP2 (1.9)
USP1 (2.6)	KDM3A (2.5)
SPG11 (2.5)	PTCD3 (2.3)
DOCK7 (1.9)	ARID1A (1.9)
CCDC92 (2.5)	IGF2R (2.3)
PAFAH1B2 (2.2)	BUD13 (2.0)
PTPN13 (2.1)	LPAR2 (2.0)
TMEM101 (1.7)	USP1 (1.6)

OST4 (2.5)	INTS10 (2.3)
VEGFA (1.6)	HDAC5 (1.5)
MRPL35 (2.2)	PDIA3 (2.1)
ENSG00000223745 (1	TMED5 (1.9)
CITED2 (2.0)	OST4 (1.8)
CASC4 (1.8)	SDC1 (1.7)
IMMT (1.6)	RFX4 (1.5)
TMED5 (1.6)	ABO (1.6)
SIK3 (1.7)	ZDHHC18 (1.7)
MFAP1 (2.0)	EIF3J (2.0)
KLF14 (1.4)	ENSG00000222035 (1
NDUFS3 (2.5)	SUGP1 (2.3)
TOMM40 (1.9)	TDH (1.9)
TOMM40 (1.9)	TDH (1.9)
TOMM40 (1.9)	TDH (1.9)
ARFGAP2 (2.2)	FGF21 (2.1)
SDCBP (1.9)	FNBP4 (1.8)
C1QTNF4 (2.3)	ABHD1 (2.2)
C1QTNF4 (2.3)	ABHD1 (2.2)
C2orf53 (1.7)	BUD13 (1.7)
RSPO3 (1.9)	ENSG00000256746 (1
EIF2B4 (2.4)	SUGP1 (2.3)
CYP26A1 (1.8)	FUT2 (1.8)
TRIB1 (1.7)	ABHD1 (1.7)
ENSG00000223745 (1	NEIL2 (1.8)
LPAR2 (2.1)	CYP7A1 (2.1)
AMBRA1 (2.2)	MAPK10 (2.1)
UCN (1.5)	DDB2 (1.4)
TMEM175 (2.1)	CYP26A1 (2.1)
SNX17 (2.4)	SUGP1 (2.3)
CD300LG (2.0)	CCDC92 (1.9)
SPG11 (2.2)	ATG4C (2.2)
DHODH (2.0)	C2orf28 (2.0)
REEP3 (1.9)	C1orf172 (1.9)
MPP3 (1.7)	SDCBP (1.6)
EIF2B4 (2.1)	NR0B2 (2.1)
SLC5A6 (2.3)	GPN1 (2.3)
ENSG00000257711 (2	DPYSL5 (2.1)
ENSG00000236827 (1	SNX17 (1.9)
GATA4 (1.8)	LRP4 (1.8)
USP1 (2.2)	LSM12 (1.9)
PBX4 (1.6)	ENSG00000255020 (1
PTCD3 (2.5)	PPM1G (2.2)
CETP (1.8)	LRP4 (1.7)
LINC00208 (1.7)	ABO (1.7)
SIK3 (2.1)	HDAC5 (2.0)
AFF1 (1.8)	ENSG00000222035 (1
TXNL4B (1.9)	COBLL1 (1.9)
ATG4C (2.2)	CLPTM1 (2.2)
ZNF512 (2.3)	EIF2B4 (2.3)

SUMO1 (2.3)	SUGP1 (2.3)
ENSG00000223745 (1	TSSK6 (1.6)
STRC (2.3)	CCDC121 (2.3)
SIDT2 (2.3)	CBLC (2.3)
VEGFA (2.2)	STRC (2.1)
CYP26A1 (2.1)	EMILIN1 (2.0)
MAU2 (1.9)	ENSG00000222035 (1
FADS1 (1.9)	RFX4 (1.9)
ARFGAP2 (1.8)	HDAC5 (1.8)
ZNF664 (2.1)	CHMP3 (1.9)
MAMSTR (1.9)	NRBF2 (1.8)
AGBL5 (2.0)	ENSG00000236267 (2
BUD13 (2.0)	ZNF513 (2.0)
UCN (1.7)	REEP1 (1.7)
ENSG00000257711 (1	EPB41L3 (1.9)
AMBRA1 (2.2)	CAD (2.2)
NEIL2 (2.2)	GTF3C2 (2.1)
NEIL2 (1.8)	CHMP3 (1.7)
MRPL33 (2.0)	PCIF1 (2.0)
ENSG00000179523 (1	EPB41L3 (1.6)
CCDC121 (1.9)	ZNF513 (1.8)
AFF1 (1.7)	SOST (1.6)
ENSG00000255020 (1	SIDT2 (1.7)
RIC8B (2.4)	NUP160 (2.4)
PTCD3 (2.6)	EIF3J (2.2)
CMIP (1.8)	MAP1A (1.8)
C17orf105 (1.5)	ZDHHC18 (1.4)
IGF2R (2.0)	AFF1 (2.0)
ENSG00000223745 (1	GMIP (1.5)
PBX4 (1.7)	ABHD1 (1.7)
DOCK7 (1.4)	MFAP1 (1.3)
BRE (1.7)	VEGFA (1.7)
PTPRJ (2.0)	RBKS (1.9)
ZNF664 (2.1)	ENSG00000179523 (2
C2orf53 (1.9)	PCIF1 (1.8)
TRIM54 (2.0)	BMPR2 (2.0)
SOST (2.1)	ZDHHC18 (2.0)
RASIP1 (1.9)	MPP2 (1.9)
FDFT1 (1.6)	CITED2 (1.5)
CYP26A1 (2.0)	PAFAH1B2 (1.9)
BAZ1B (2.2)	TOMM40 (2.1)
RSPO3 (1.8)	ZDHHC18 (1.7)
ABO (1.7)	MAPK10 (1.7)
SPG11 (1.8)	PTPN13 (1.7)
PGS1 (1.9)	FUT1 (1.8)
IFT172 (1.9)	CGREF1 (1.8)
C8orf12 (1.8)	CILP2 (1.8)
C1QTNF4 (1.9)	BNC2 (1.9)
MAPK10 (1.9)	PCSK7 (1.9)
ENSG00000200241 (1	FRMD5 (1.7)

CAD (2.2)	MTF2 (2.2)
ENSG00000200241 (2	MPV17 (2.1)
ENSG00000200241 (2	MPV17 (2.1)
TMEM101 (2.0)	SUPT7L (1.9)
NR0B2 (2.2)	MRPL33 (2.2)
NR0B2 (2.2)	MRPL33 (2.2)
BNC2 (2.1)	PPY (2.1)
NRBP1 (1.9)	AMBRA1 (1.8)
ENSG00000235545 (1	PBX4 (1.5)
KBTBD4 (1.7)	MTF2 (1.7)
RSPO3 (2.0)	TMEM101 (2.0)
ENSG00000222035 (1	C2orf16 (1.2)
CYP26A1 (1.4)	ENSG00000256746 (1
C8orf12 (1.9)	SPG11 (1.9)
ENSG00000256731 (2	DNAJC5G (2.2)
KLF14 (1.9)	C11orf9 (1.9)
SPG11 (2.5)	ZNF335 (2.4)
BCL7B (1.8)	REEP1 (1.7)
KANK2 (2.4)	SOST (2.3)
CHMP3 (1.6)	SDCBP (1.6)
CETP (2.2)	TAGLN (2.1)
ZNF664 (2.0)	FUT1 (2.0)
GPN2 (2.4)	ATG4C (2.3)
TRIB1 (1.6)	ENSG00000222035 (1
MPV17 (1.8)	STRC (1.7)
SIDT2 (2.0)	NRBP1 (2.0)
TAGLN (2.5)	REEP1 (2.3)
SUGP1 (2.7)	PPM1G (2.5)
ZNF335 (1.6)	C11orf49 (1.6)
LPAR2 (2.0)	PTPN13 (2.0)
LPAR2 (2.0)	PTPN13 (2.0)
PPM1G (2.3)	DHX38 (2.3)
BRE (1.5)	NR1H3 (1.5)
SDCBP (2.1)	CCDC92 (2.0)
ZNF335 (2.3)	PIGV (2.2)
ATG13 (2.1)	CYP26A1 (2.0)
AFF1 (2.1)	IGF2R (1.9)
INTS10 (2.0)	SUPT7L (2.0)
GMIP (2.1)	LRP4 (2.0)
BAZ1B (2.0)	TOMM40 (1.8)
POLR1A (2.6)	ATP13A1 (2.5)
PAFAH1B2 (1.7)	REEP3 (1.5)
NRBP1 (1.7)	ENSG00000223745 (1
SIDT2 (1.7)	ABCA1 (1.7)
BCL3 (1.7)	ABCA1 (1.6)
ZDHHC18 (1.4)	NCAN (1.2)
CYP26A1 (1.3)	PCSK7 (1.3)
TRNP1 (1.8)	DUSP3 (1.7)
MADD (2.6)	AMBRA1 (2.4)
MAPK10 (2.4)	TP53BP1 (2.4)

USP1 (2.2)	CELF1 (2.1)
C1orf172 (1.7)	LPAL2 (1.7)
INTS10 (2.1)	C11orf49 (2.0)
REEP3 (1.4)	PTPRJ (1.3)
MRPL35 (2.2)	ARFGAP2 (2.0)
TUBGCP4 (1.9)	CGREF1 (1.8)
REEP3 (1.9)	DUSP3 (1.8)
IFT172 (2.3)	NRBF2 (2.2)
AGBL5 (1.9)	C8orf12 (1.8)
GMIP (1.6)	ABCA1 (1.6)
PMFBP1 (2.1)	PAFAH1B2 (1.7)
REEP3 (2.0)	ZNF408 (1.7)
REEP3 (2.0)	ZNF408 (1.7)
ATG4C (1.9)	PPIP5K1 (1.8)
TOMM40 (2.4)	PPM1G (2.2)
ZNF513 (1.9)	BAZ1B (1.8)
BUD13 (1.8)	PCIF1 (1.7)
BUD13 (1.8)	PCIF1 (1.7)
PAFAH1B2 (1.7)	ENSG00000182319 (1
NEIL2 (1.6)	KLF14 (1.6)
IFT172 (1.8)	TRIB1 (1.7)
BRE (2.1)	HARBI1 (2.1)
PTPMT1 (2.6)	RIC8B (2.0)
BMPR2 (1.6)	SLC30A3 (1.5)
BMPR2 (1.6)	SLC30A3 (1.5)
MPP2 (1.9)	HDAC5 (1.9)
SPG11 (2.0)	MAU2 (1.6)
KBTBD4 (2.2)	SUMO1 (2.1)
RFX4 (2.0)	CMIP (2.0)
LRP4 (1.8)	PREB (1.6)
DOCK6 (2.2)	PVRL2 (2.1)
HAVCR1 (2.1)	PAFAH1B2 (2.0)
HAVCR1 (2.1)	PAFAH1B2 (2.0)
TOMM40 (1.8)	PGS1 (1.7)
BNC2 (1.8)	RASIP1 (1.6)
CLPTM1 (1.8)	SUMO1 (1.6)
ZDHHC18 (1.8)	MTF2 (1.7)
PPM1G (2.1)	SNX17 (2.1)
PPM1G (2.1)	SNX17 (2.1)
FZD9 (1.9)	DPYSL5 (1.9)
CHMP3 (1.9)	C2orf16 (1.9)
TRIB1 (1.9)	DUSP3 (1.8)
ENSG00000222035 (2	C11orf9 (2.1)
NRBP1 (1.9)	GALNT2 (1.9)
TSSK6 (2.0)	PMFBP1 (1.9)
DOCK7 (1.8)	C17orf105 (1.7)
MRPL35 (1.8)	PPM1G (1.8)
IMMT (2.1)	NRBP1 (2.1)
ABO (1.7)	LINC00208 (1.6)
MAPK10 (2.2)	DPYSL5 (2.0)

USP1 (1.8)	CCDC121 (1.8)
PPY (1.3)	CHMP3 (1.3)
TMED5 (1.8)	C8orf49 (1.8)
ABCA1 (1.6)	APOE (1.6)
C2orf53 (1.8)	HP (1.6)
TP53BP1 (1.8)	CKAP5 (1.8)
SLC22A3 (1.7)	ABO (1.6)
TMEM175 (1.9)	GPAM (1.9)
BCL7B (1.8)	CSGALNACT1 (1.7)
CYP26A1 (2.6)	PYY (2.4)
EIF3J (1.9)	TMEM101 (1.9)
C2orf28 (2.1)	PREB (2.0)
NAT2 (1.6)	FUT2 (1.5)
C2orf28 (2.2)	PREB (2.0)
BRE (1.9)	CKAP5 (1.9)
CMIP (1.8)	CITED2 (1.8)
CELF1 (2.5)	NFE2L3 (2.2)
CCDC121 (2.0)	MRPL33 (1.9)
ZNF259 (2.2)	ENSG00000226645 (2
EIF2B4 (1.8)	GATAD2A (1.5)
NR0B2 (2.1)	TOMM40 (2.1)
ARHGAP1 (1.7)	GATA4 (1.7)
COBLL1 (1.6)	NSMAF (1.6)
KRTCAP3 (2.1)	GPN1 (2.0)
PVRL2 (1.9)	C1orf172 (1.9)
CYP26A1 (2.1)	FZD9 (1.8)
ZNF512 (1.7)	ENSG00000223522 (1
NOP58 (2.2)	BUD13 (1.9)
FZD9 (2.1)	CYP26A1 (2.0)
SFN (2.1)	RIC8B (2.0)
NCAN (1.8)	ENSG00000256746 (1
MAU2 (1.5)	KBTBD4 (1.5)
ZDHHC18 (1.9)	NRBF2 (1.9)
CCDC92 (2.2)	REEP3 (2.1)
POLR1A (2.5)	BUD13 (2.3)
SLC22A1 (1.7)	UBXN2B (1.7)
CHMP3 (2.0)	PVRL2 (1.8)
ENSG00000234945 (1	KRTCAP3 (1.9)
RSPO3 (1.7)	HGFAC (1.6)
DR1 (1.7)	CELF1 (1.7)
ENSG00000179523 (1	SOST (1.7)
ENSG00000179523 (1	POLR1A (1.9)
NSMAF (2.0)	DHX38 (1.9)
C2orf28 (2.3)	REEP3 (2.2)
BAZ1B (1.7)	PGS1 (1.7)
PACSIN3 (1.6)	MPP2 (1.6)
MTF2 (2.3)	CTDSPL2 (2.3)
REEP3 (1.4)	EPB41L3 (1.4)
REEP3 (1.4)	EPB41L3 (1.4)
HAVCR1 (1.9)	C1QTNF4 (1.8)

BRE (2.5)	TOMM40 (2.4)
BCL3 (1.6)	ENSG00000182319 (1
MPP3 (1.8)	EPB41L3 (1.7)
MPP3 (2.0)	GTF3C2 (1.9)
G6PC3 (2.3)	NR0B2 (2.2)
G6PC3 (2.3)	NR0B2 (2.2)
CCDC121 (2.4)	ENSG00000223522 (2
BCL3 (1.7)	ENSG00000222035 (1
IGF2R (1.4)	FADS2 (1.4)
ABHD1 (1.9)	RSPO3 (1.8)
ABHD1 (1.6)	NR1H3 (1.5)
GATA4 (1.6)	BNC2 (1.5)
ZNF408 (1.9)	IGF2R (1.9)
CLPTM1 (2.3)	REEP3 (2.2)
PPM1G (1.7)	ARFGAP2 (1.6)
PPM1G (1.7)	ARFGAP2 (1.6)
STRC (2.5)	MAPK10 (2.4)
NRBP1 (2.5)	ARFGAP2 (2.5)
ENSG00000179523 (1	GALNT2 (1.7)
ENSG00000179523 (2	TSSK6 (1.5)
CCDC18 (2.1)	CLPTM1 (2.1)
SUMO1 (1.4)	EIF3J (1.4)
CLPTM1 (1.9)	CCDC92 (1.8)
FZD9 (1.9)	PPIP5K1 (1.8)
MTCH2 (1.8)	C17orf105 (1.7)
ARFGAP2 (2.4)	PTCD3 (2.3)
IMMT (2.1)	PPM1G (2.1)
AFF1 (1.6)	CTDSPL2 (1.6)
PTCD3 (1.9)	ENSG00000235545 (1
ABHD1 (1.5)	TSSK6 (1.5)
ENSG00000236267 (1	NCAN (1.7)
ABO (1.6)	FAM167A (1.6)
BUD13 (1.6)	TUBGCP4 (1.6)
IMMT (2.4)	BAZ1B (2.3)
BRE (1.8)	ARHGAP1 (1.7)
DOCK6 (1.6)	UBXN2B (1.5)
BCAM (1.7)	GALNT2 (1.7)
MRPL35 (2.4)	IMMT (1.9)
PPM1G (2.3)	MRPL35 (2.2)
DR1 (1.6)	GATAD2A (1.6)
ENSG00000255020 (1	ABCA1 (1.6)
MPP2 (1.2)	HDAC5 (1.2)
NCAN (1.6)	STRC (1.6)
CAD (2.8)	CCDC18 (2.5)
CYP26A1 (2.1)	KRTCAP3 (1.8)
APOC1 (2.0)	PVRL2 (1.9)
ABO (1.7)	PPY (1.6)
BCL7B (1.7)	NEIL2 (1.7)
C2orf28 (2.1)	SNX17 (2.1)
MPV17 (2.0)	DUSP3 (1.8)

FDFT1 (2.1)	GTF3C2 (2.0)
DR1 (2.2)	BCL7B (2.2)
PYY (1.8)	C2orf16 (1.8)
ENSG00000256746 (2	SPG11 (2.0)
CGREF1 (1.7)	EPB41L3 (1.6)
ZDHHC18 (2.0)	IGF2R (1.8)
MFAP1 (2.3)	DOCK7 (2.2)
PTCD3 (1.9)	GPN1 (1.7)
PREB (1.9)	MADD (1.9)
GTF3C2 (1.9)	DNAJC5G (1.9)
NUP160 (2.4)	POLR1A (2.3)
USP1 (1.7)	RIC8B (1.6)
MAMSTR (1.5)	SLC22A3 (1.5)
CTDSPL2 (1.5)	ARFGAP2 (1.5)
HARBI1 (2.0)	ENSG00000179523 (1
INTS10 (2.0)	SPG11 (1.8)
CHMP3 (1.8)	BRE (1.8)
GATAD2A (1.8)	AMBRA1 (1.8)
MFAP1 (1.9)	INTS10 (1.9)
CYP7A1 (1.7)	ENSG00000223522 (1
NRBP1 (2.8)	ARFGAP2 (2.7)
NRBP1 (2.8)	ARFGAP2 (2.7)
BCL3 (1.8)	TIMD4 (1.8)
ENSG00000255020 (1	PTPN13 (1.8)
PPM1G (2.2)	ATG13 (2.1)
ENSG00000236827 (1	ENSG00000257711 (1
SDC1 (1.9)	SFN (1.8)
TMEM175 (1.7)	ZNF408 (1.7)
GTF3C2 (2.4)	AMBRA1 (2.2)
ZNF259 (1.8)	NDUFS3 (1.8)
ZNF259 (1.8)	NDUFS3 (1.8)
BUD13 (2.3)	JMJD1C (2.3)
TMEM175 (1.8)	ENSG00000222035 (1
DOCK6 (1.9)	ZNF408 (1.8)
IZUMO1 (2.1)	NRBF2 (2.1)
UBXN2B (1.9)	BRE (1.9)
SUPT7L (2.2)	BUD13 (2.2)
PLTP (1.5)	ENSG00000222035 (1
C2orf28 (2.3)	PREB (2.0)
ENSG00000226645 (1	MLXIPL (1.7)
ENSG00000182319 (2	SLC22A3 (2.2)
HARBI1 (1.8)	TMEM101 (1.8)
NRBP1 (2.2)	SDCBP (2.1)
DNAH10 (1.2)	TRIB1 (1.2)
FEN1 (1.8)	SOST (1.7)
NEIL2 (2.2)	BAZ1B (2.1)
KRTCAP3 (2.1)	NSMAF (1.9)
PPIP5K1 (2.6)	ATG13 (2.6)
PTPMT1 (2.2)	ENSG00000256746 (2
PTPMT1 (2.2)	ENSG00000256746 (2

NEIL2 (1.7)	SUPT7L (1.7)
IGF2R (2.2)	PTPRJ (2.1)
CILP2 (2.0)	DOCK6 (1.9)
KRTCAP3 (2.0)	ENSG00000182329 (1
SDCBP (1.9)	TRNP1 (1.9)
DUSP3 (2.1)	MTCH2 (2.0)
ENSG00000256746 (1	RBKS (1.6)
RSPO3 (2.1)	CCDC121 (2.1)
COBLL1 (2.0)	FZD9 (1.9)
SUGP1 (2.0)	NSMAF (2.0)
SNX17 (1.8)	CBLC (1.8)
RSPO3 (1.8)	ABHD1 (1.8)
MAU2 (2.1)	OST4 (1.9)
ENSG00000255020 (1	BUD13 (1.6)
CITED2 (1.8)	KANK2 (1.8)
ATP13A1 (2.1)	POLR1A (2.0)
AGBL2 (1.6)	MTF2 (1.6)
CASC4 (1.9)	GALNT2 (1.9)
ENSG00000255020 (2	C2orf28 (2.3)
PREB (2.4)	C2orf28 (2.3)
DHODH (2.9)	TOMM40 (2.9)
ENSG00000235545 (2	C11orf49 (1.9)
ENSG00000235545 (2	C11orf49 (1.9)
ENSG00000235545 (2	C11orf49 (1.9)
NUP160 (2.2)	MTF2 (2.2)
TMED5 (1.7)	ZNF408 (1.7)
SUPT7L (2.5)	DR1 (2.4)
BRE (1.7)	ENSG00000236827 (1
PLTP (2.0)	MAPRE3 (1.9)
IGF2R (1.5)	TIMD4 (1.4)
MRPL35 (2.0)	EIF2B4 (2.0)
CCDC18 (1.9)	LPAR2 (1.8)
TRNP1 (1.8)	BCL7B (1.8)
ENSG00000257711 (1	MLXIPL (1.5)
SDC1 (2.1)	TDH (1.9)
TMEM101 (2.7)	REEP3 (2.5)
ENSG00000255020 (1	ZDHHC18 (1.6)
TMEM214 (2.4)	ENSG00000179523 (2
ENSG00000235545 (1	CTDSPL2 (1.8)
C2orf28 (2.9)	G6PC3 (2.7)
ZNF664 (2.2)	ENSG00000200241 (2
FUT2 (2.2)	ARHGAP1 (2.0)
CCDC121 (2.0)	LPAR2 (2.0)
PLA2G6 (1.7)	C2orf53 (1.6)
HARBI1 (2.0)	ENSG00000254235 (2
HARBI1 (2.0)	ENSG00000254235 (2
SDCBP (2.0)	PMFBP1 (1.9)
ENSG00000223522 (1	ENSG00000226645 (1
TRIB1 (2.1)	MPV17 (2.0)
BNC2 (1.6)	PTPN13 (1.5)

GATAD2A (1.8)	HDAC5 (1.8)
EIF2B4 (1.8)	SUPT7L (1.6)
FRMD5 (2.2)	SLC5A6 (1.9)
MAMSTR (1.5)	LPAR2 (1.5)
ATG4C (1.8)	SOST (1.8)
CITED2 (1.7)	CLPTM1 (1.7)
HAPLN4 (1.9)	CLPTM1 (1.9)
AFF1 (1.5)	MPP2 (1.4)
SLC22A1 (1.4)	KRTCAP3 (1.4)
GTF3C2 (2.4)	BUD13 (2.3)
IFT172 (1.7)	CYP7A1 (1.7)
C2orf28 (2.2)	MAPRE3 (2.1)
CITED2 (2.1)	HARBI1 (2.0)
JMJD1C (1.7)	BUD13 (1.6)
PCSK7 (2.0)	CLPTM1 (2.0)
FUT2 (2.6)	DDB2 (2.4)
PLA2G6 (2.3)	PGS1 (2.3)
PLA2G6 (2.3)	PGS1 (2.3)
ENSG00000253379 (1	DNAJC5G (1.7)
SPG11 (2.0)	REEP3 (2.0)
C8orf12 (1.6)	PTCD3 (1.6)
GPN2 (2.2)	SNX17 (2.2)
C1QTNF4 (2.1)	PIGV (2.1)
ENSG00000223745 (1	C8orf49 (1.4)
HAPLN4 (1.8)	REEP3 (1.7)
C2orf16 (1.8)	RASIP1 (1.8)
CYP26A1 (1.8)	CILP2 (1.7)
CLPTM1 (2.0)	G6PC3 (1.9)
HARBI1 (1.9)	TDH (1.8)
FNDC4 (1.8)	ENSG00000182319 (1
FRMD5 (1.3)	NR1H3 (1.3)
CGREF1 (1.9)	SLC22A3 (1.8)
ATP13A1 (1.7)	MAFF (1.7)
TUBGCP4 (2.0)	PCIF1 (1.9)
GPN1 (2.0)	POLR1A (1.8)
C17orf105 (1.7)	SPG11 (1.6)
CYP7A1 (2.1)	FGF21 (2.0)
MAPK10 (2.0)	HAPLN4 (2.0)
FNDC4 (2.1)	ENSG00000255020 (2
ABHD1 (2.0)	CCDC92 (2.0)
ENSG00000253379 (2	CCDC121 (2.0)
CASC4 (1.8)	CCDC121 (1.7)
TMEM101 (1.7)	NRBF2 (1.7)
TMEM101 (1.7)	NRBF2 (1.7)
ZNF335 (2.1)	MTMR9 (2.1)
GPN1 (1.9)	MTMR9 (1.9)
HAPLN4 (1.8)	UCN (1.7)
TP53BP1 (2.2)	DPYSL5 (2.2)
SUGP1 (2.2)	PTCD3 (2.0)
PCSK7 (1.7)	ZNF408 (1.6)

PIGV (1.9)	ZNF512 (1.9)
ANGPTL4 (1.6)	ENSG00000255020 (1
RSPO3 (1.8)	PVRL2 (1.7)
DNAH10 (1.6)	UBXN2B (1.6)
MPP3 (1.8)	DOCK7 (1.8)
MPP3 (1.8)	DOCK7 (1.8)
GALNT2 (1.5)	TP53BP1 (1.4)
PVRL2 (2.1)	FNDC4 (2.0)
TXNL4B (2.4)	INTS10 (2.3)
MAPK10 (1.9)	PGS1 (1.9)
REEP1 (1.9)	FUT2 (1.9)
ZNF664 (2.0)	PPIP5K1 (1.8)
GMIP (2.2)	LPAR2 (1.8)
TMEM175 (2.1)	CASC4 (2.0)
ENSG00000253379 (2	SLC22A3 (2.0)
EIF2B4 (2.8)	TOMM40 (2.7)
GATAD2A (2.1)	ENSG00000182319 (2
GPN1 (2.8)	NDUFS3 (2.8)
MFAP1 (2.2)	FEN1 (2.1)
CYP26A1 (1.9)	LRP4 (1.8)
PREB (1.6)	REEP1 (1.6)
STRC (1.9)	HAPLN4 (1.9)
PPIP5K1 (2.4)	EIF2B4 (1.8)
FZD9 (1.7)	DNAJC5G (1.6)
CGREF1 (1.9)	RBKS (1.8)
TRIB1 (1.7)	IZUMO1 (1.6)
PBX4 (2.1)	C2orf53 (2.1)
ENSG00000254235 (1	CKAP5 (1.5)
DOCK7 (1.7)	PYY (1.7)
MPP3 (1.5)	FNDC4 (1.5)
C1orf172 (1.8)	TSSK6 (1.7)
C1QTNF4 (1.5)	TDH (1.4)
TRNP1 (2.0)	C8orf12 (1.9)
MLXIPL (1.8)	REEP1 (1.7)
MLXIPL (1.8)	REEP1 (1.7)
LPAR2 (1.7)	BUD13 (1.6)
SDC1 (1.7)	ENSG00000256746 (1
EPB41L3 (2.0)	FNBP4 (1.9)
EIF2B4 (2.1)	STRC (2.0)
EIF2B4 (2.1)	STRC (2.0)
SUMO1 (2.0)	LSM12 (2.0)
ARFGAP2 (2.2)	C11orf49 (2.2)
SLC30A3 (1.7)	C8orf12 (1.5)
RSPO3 (2.0)	BNC2 (1.8)
RFX4 (1.5)	SIDT2 (1.4)
ENSG00000236267 (1	CCDC121 (1.6)
CD300LG (2.3)	ENSG00000223522 (2
AGBL5 (2.0)	PTPMT1 (1.9)
NUP160 (3.0)	WDR76 (2.9)
ENSG00000257711 (2	DNAH10 (1.9)

MPV17 (2.3)	CATSPER2 (2.2)
EMILIN1 (2.5)	ARFGAP2 (2.5)
RFX4 (1.8)	GATA4 (1.7)
SUMO1 (1.7)	SNX17 (1.7)
STRC (2.0)	EIF3J (1.9)
CTDSPL2 (2.3)	ENSG00000256746 (2
PTPRJ (1.5)	CCDC121 (1.5)
CLPTM1 (1.7)	ABO (1.7)
AFF1 (2.0)	PCSK7 (2.0)
ZDHHC18 (1.7)	NEIL2 (1.6)
MAP1A (1.4)	MAPK10 (1.4)
SIK3 (2.0)	CASC4 (1.9)
GMIP (1.4)	AMBRA1 (1.2)
UBXN2B (1.3)	ANGPTL4 (1.2)
ARID1A (2.2)	SIK3 (2.1)
SPG11 (2.5)	DHODH (2.4)
FUT2 (1.5)	PMFBP1 (1.5)
PPIP5K1 (2.5)	NR0B2 (1.8)
DNAJC5G (1.5)	ENSG00000236267 (1
MAMSTR (1.8)	CMIP (1.7)
SOST (1.6)	KLF14 (1.5)
MPP3 (1.8)	CD300LG (1.7)
MFAP1 (1.8)	SUPT7L (1.7)
MFAP1 (1.8)	SUPT7L (1.7)
MAU2 (2.0)	PPIP5K1 (1.7)
EPB41L3 (1.9)	REEP3 (1.9)
SUPT7L (2.5)	CGREF1 (2.5)
NFE2L3 (1.5)	FZD9 (1.5)
FUT1 (1.8)	BUD13 (1.8)
CATSPER2 (2.1)	CLPTM1 (2.0)
ENSG00000253379 (1	C8orf49 (1.7)
FADS1 (1.6)	TRNP1 (1.6)
DNAJC5G (1.8)	TRNP1 (1.7)
CCDC121 (1.9)	GATA4 (1.7)
PMFBP1 (2.0)	COBLL1 (1.9)
PGS1 (1.7)	LRP4 (1.6)
HARBI1 (2.1)	EIF2B4 (2.1)
DOCK7 (1.6)	C17orf105 (1.6)
PTPN13 (1.6)	KLF14 (1.6)
ANGPTL4 (1.6)	C11orf9 (1.5)
ENSG00000253379 (1	UBXN2B (1.6)
ZNF513 (1.8)	MPP3 (1.8)
NAGS (2.1)	TDH (2.1)
PPM1G (2.2)	ENSG00000255020 (2
NRBF2 (1.9)	DNAJC5G (1.8)
RSPO3 (1.9)	CCDC121 (1.9)
FRMD5 (2.4)	MAP1A (2.2)
LPAL2 (1.7)	C17orf105 (1.6)
ATP13A1 (1.7)	BCAM (1.7)
SFN (1.4)	CCDC92 (1.4)

BAZ1B (2.1)	CASC4 (2.1)
PAFAH1B2 (1.9)	CMIP (1.7)
HAVCR1 (1.9)	FRMD5 (1.9)
CITED2 (2.0)	MAPK10 (1.8)
CITED2 (2.0)	MAPK10 (1.8)
DHODH (1.5)	G6PC3 (1.4)
NAT2 (1.5)	CMIP (1.5)
KRTCAP3 (1.6)	ANGPTL4 (1.6)
MPP3 (2.1)	ARHGAP1 (2.1)
MAFF (1.8)	GATAD2A (1.7)
KLF14 (1.3)	ARFGAP2 (1.3)
HAPLN4 (1.7)	ENSG00000236827 (1
SIDT2 (2.4)	G6PC3 (2.4)
ZNF335 (1.8)	CTDSPL2 (1.8)
GPN1 (1.9)	DR1 (1.8)
HDAC5 (2.1)	SIK3 (2.1)
SNX17 (2.1)	SPG11 (2.0)
KBTBD4 (1.9)	PIGV (1.8)
PPIP5K1 (1.9)	PTCD3 (1.7)
ENSG00000257711 (1	CATSPER2 (1.7)
ENSG00000222035 (1	BCL3 (1.8)
DPYSL5 (1.9)	SDCBP (1.9)
TBL2 (1.8)	NEIL2 (1.8)
ATG13 (2.2)	MTF2 (2.1)
ATG13 (2.0)	KDM3A (2.0)
NR0B2 (2.0)	ENSG00000236827 (1
ACP2 (1.9)	ATG13 (1.9)
C1QTNF4 (2.2)	CATSPER2 (2.2)
MRPL35 (1.9)	NUP160 (1.9)
ZNF664 (1.8)	TRIB1 (1.8)
MFAP1 (2.4)	EIF2B4 (2.3)
HARBI1 (1.9)	FRMD5 (1.9)
HAPLN4 (2.2)	SDC1 (2.1)
LINC00208 (1.6)	ENSG00000256746 (1
IFT172 (2.1)	MPV17 (2.1)
GTF3C2 (1.8)	MAMSTR (1.8)
NR0B2 (1.6)	COBLL1 (1.5)
LPAR2 (1.9)	SIDT2 (1.8)
MTF2 (1.5)	NSMAF (1.5)
PVRL2 (1.7)	BCL3 (1.5)
ZDHHC18 (1.8)	ENSG00000236827 (1
CTSB (1.6)	AGBL2 (1.6)
JMJD1C (2.1)	IMMT (2.1)
FUT2 (1.8)	CILP2 (1.7)
CETP (1.8)	TAGLN (1.8)
PPIP5K1 (2.6)	NR0B2 (2.2)
LPAL2 (1.6)	ENSG00000235545 (1
CGREF1 (1.6)	LINC00208 (1.6)
SNX17 (1.9)	PPM1G (1.9)
NEIL2 (1.8)	BNC2 (1.7)

GATAD2A (2.7)	DHX38 (2.4)
GPN1 (2.2)	REEP1 (2.1)
SUMO1 (1.6)	FGF21 (1.5)
TP53BP1 (1.9)	NFE2L3 (1.9)
FRMD5 (1.6)	ENSG00000253379 (1
GPN1 (1.8)	CAD (1.8)
GPN1 (1.8)	CAD (1.8)
SUPT7L (1.8)	TMED5 (1.7)
PREB (2.2)	NRBP1 (2.2)
PTPRJ (1.7)	FEN1 (1.6)
GTF3C2 (2.6)	ARID1A (2.5)
C2orf16 (1.7)	NFE2L3 (1.7)
NDUFS3 (2.5)	PTCD3 (2.3)
C1orf172 (1.6)	FAM167A (1.6)
JMJD1C (1.7)	LRP4 (1.6)
HARBI1 (1.9)	NFE2L3 (1.8)
FADS1 (1.7)	FDFT1 (1.7)
TOMM40 (2.0)	C2orf28 (1.9)
HDAC5 (2.2)	KBTBD4 (2.0)
MAMSTR (2.1)	GATA4 (2.1)
MRPL35 (2.1)	NUP160 (2.0)
SUGP1 (1.3)	UCN (1.3)
TECTB (1.7)	DNAJC5G (1.6)
PCIF1 (2.3)	BCL7B (2.3)
ENSG00000235545 (1	MAP1A (1.6)
MFAP1 (2.3)	CAD (1.8)
CELF1 (2.0)	MPP2 (2.0)
FRMD5 (1.8)	TMED5 (1.7)
GPN1 (2.4)	SUGP1 (2.3)
ZNF664 (1.7)	SDCBP (1.7)
SDC1 (1.4)	VEGFA (1.4)
SPG11 (1.8)	SUGP1 (1.8)
ZNF512 (2.0)	CITED2 (1.9)
NCAN (1.8)	FGF21 (1.7)
PACSIN3 (2.0)	COBLL1 (1.9)
RSPO3 (2.2)	C1QTNF4 (2.0)
DHX38 (1.4)	ENSG00000222035 (1
ZNF513 (2.0)	SPG11 (1.9)
TRIM54 (2.2)	ENSG00000182319 (2
NUP160 (2.2)	INTS10 (2.2)
CBLC (1.8)	SUMO1 (1.7)
IFT172 (2.7)	ATG13 (2.6)
SLC30A3 (1.8)	ENSG00000255020 (1
GTF3C2 (2.4)	KBTBD4 (2.3)
LPAR2 (2.1)	ARHGAP1 (1.9)
PCSK7 (2.1)	DNAJC5G (1.9)
ENSG00000222035 (1	ENSG00000182319 (1
BAZ1B (2.3)	TUBGCP4 (1.8)
MRPL35 (2.0)	ENSG00000223745 (2
AMBRA1 (2.1)	WDR76 (1.7)

COBLL1 (2.0)	ENSG00000223745 (2
ARHGAP1 (2.1)	MAPRE3 (1.9)
PBX4 (1.8)	ENSG00000223522 (1
LPAR2 (2.1)	PBX4 (2.0)
ENSG00000254235 (1	ENSG00000200241 (1
SLC30A3 (2.0)	MYBPC3 (1.9)
DHODH (2.5)	C17orf105 (2.3)
NSMAF (1.7)	ATP13A1 (1.7)
SDC1 (1.6)	CCDC121 (1.5)
CITED2 (2.0)	LPAR2 (1.9)
GALNT2 (1.7)	KRTCAP3 (1.7)
BCL7B (2.1)	UBXN2B (1.9)
CATSPER2 (2.0)	MTF2 (1.9)
ARFGAP2 (1.6)	REEP1 (1.6)
PPM1G (2.4)	CTDSPL2 (2.4)
HAVCR1 (2.1)	CCDC121 (2.1)
GTF3C2 (1.9)	GPN1 (1.9)
TSSK6 (1.8)	ATG13 (1.7)
TXNL4B (2.2)	MAU2 (2.1)
CAD (2.1)	OST4 (2.1)
LPAL2 (2.0)	STRC (1.9)
IZUMO1 (1.9)	CATSPER2 (1.8)
ENSG00000182319 (1	PAFAH1B2 (1.5)
JMJD1C (1.5)	ENSG00000182319 (1
DR1 (1.7)	TRIB1 (1.6)
HDAC5 (1.6)	CCDC92 (1.5)
FADS2 (1.8)	ENSG00000223522 (1
DPYSL5 (1.6)	ENSG00000256746 (1
RSPO3 (1.8)	MAU2 (1.6)
PAFAH1B2 (2.0)	DHX38 (1.9)
DOCK7 (2.1)	LINC00208 (2.0)
IFT172 (2.0)	PTPMT1 (2.0)
TP53BP1 (1.6)	NFE2L3 (1.6)
DNAJC5G (1.5)	GMIP (1.5)
AMBRA1 (2.4)	KDM3A (2.4)
ENSG00000222035 (1	TBL2 (1.4)
RASIP1 (1.8)	SPG11 (1.7)
PAFAH1B2 (2.1)	KANK2 (2.1)
ABHD1 (1.5)	TDH (1.5)
ABHD1 (1.5)	TDH (1.5)
ABHD1 (1.5)	TDH (1.5)
IFT172 (1.4)	C1orf172 (1.3)
ZNF664 (1.9)	CATSPER2 (1.8)
ZNF664 (1.9)	CATSPER2 (1.8)
ZNF664 (1.9)	CATSPER2 (1.8)
GATAD2A (2.1)	DHX38 (2.1)
KRTCAP3 (1.8)	CSGALNACT1 (1.8)
CTDSPL2 (2.1)	DDB2 (2.0)
HAVCR1 (1.9)	C2orf16 (1.7)
CHMP3 (1.5)	PTPMT1 (1.4)

IMMT (2.6)	JMJD1C (2.6)
LPAR2 (1.7)	C1orf172 (1.6)
GALNT2 (1.8)	C17orf105 (1.7)
DNAH10 (1.7)	LPAL2 (1.6)
DUSP3 (2.1)	TRNP1 (2.1)
NCAN (2.0)	ENSG00000182329 (1
MTCH2 (2.0)	CLPTM1 (2.0)
DOCK6 (2.1)	RIC8B (1.9)
TMEM214 (2.3)	GPN1 (2.3)
COBLL1 (1.5)	MTMR9 (1.5)
CCDC92 (1.6)	MADD (1.6)
RSPO3 (2.3)	MADD (2.2)
TRIB1 (1.4)	NCAN (1.3)
TRIB1 (1.4)	NCAN (1.3)
PTCD3 (1.9)	CTDSPL2 (1.8)
AMBRA1 (2.2)	ENSG00000182319 (2
JMJD1C (2.0)	PREB (2.0)
ENSG00000256731 (1	SLC22A3 (1.8)
CATSPER2 (2.1)	TECTB (2.0)
GATAD2A (2.0)	FNBP4 (2.0)
FUT2 (1.6)	PTPMT1 (1.6)
PTPN13 (1.4)	MPP2 (1.4)
AGBL5 (2.3)	NUP160 (2.2)
DOCK7 (1.9)	ABO (1.9)
SIK3 (1.8)	BAZ1B (1.7)
TRNP1 (2.0)	C11orf49 (2.0)
TRNP1 (2.0)	C11orf49 (2.0)
TRNP1 (2.0)	C11orf49 (2.0)
BCL7B (2.0)	ENSG00000256731 (1
VEGFA (1.7)	SIDT2 (1.6)
CCDC92 (1.7)	LRP4 (1.7)
ZDHHC18 (1.5)	PLA2G6 (1.4)
CKAP5 (1.6)	PPM1G (1.6)
C2orf53 (1.9)	CATSPER2 (1.9)
SUMO1 (1.7)	VEGFA (1.7)
NFE2L3 (1.7)	PTPMT1 (1.6)
NFE2L3 (1.7)	PTPMT1 (1.6)
ZNF335 (2.6)	ARID1A (2.6)
GPN1 (2.2)	TMEM101 (2.0)
CCDC18 (1.9)	WDR76 (1.9)
ARID1A (1.3)	ARFGAP2 (1.3)
BUD13 (2.3)	ZNF259 (2.1)
REEP3 (1.8)	HAPLN4 (1.7)
TRNP1 (1.9)	C8orf12 (1.9)
ENSG00000200241 (2	AMBRA1 (2.1)
DR1 (2.0)	NUP160 (2.0)
BCL7B (1.6)	TDH (1.5)
NRBF2 (1.8)	BLK (1.7)
HDAC5 (2.0)	AMBRA1 (2.0)
OST4 (2.7)	CLPTM1 (2.0)

MRPL35 (1.9)	SUPT7L (1.9)
NEIL2 (1.6)	ENSG00000223522 (1
KLF14 (2.1)	REEP3 (1.9)
C17orf105 (1.7)	PAFAH1B2 (1.6)
BNC2 (1.7)	DNAH10 (1.6)
LSM12 (2.8)	ENSG00000200241 (2
GPN1 (2.0)	AGBL5 (2.0)
CAD (2.2)	ZNF512 (2.1)
RSPO3 (1.5)	ZNF513 (1.5)
DUSP3 (1.6)	LPAR2 (1.6)
FRMD5 (1.8)	ABO (1.6)
KBTBD4 (1.8)	ENSG00000200241 (1
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
CELF1 (1.7)	ARID1A (1.7)
PCIF1 (2.2)	MRPL33 (2.1)
NAT2 (1.4)	LPAL2 (1.4)
ZNF335 (1.5)	GALNT2 (1.5)
C1QTNF4 (1.7)	FADS2 (1.6)
BCL7B (1.8)	KANK2 (1.8)
PCSK7 (1.6)	DNAH10 (1.6)
NRBP1 (2.0)	C2orf28 (2.0)
GPN2 (1.9)	NRBP1 (1.9)
MAMSTR (1.5)	G6PC3 (1.4)
TP53BP1 (1.7)	CATSPER2 (1.7)
AFF1 (1.7)	TRIB1 (1.7)
LPAR2 (1.6)	IGF2R (1.6)
ZNF335 (1.5)	GALNT2 (1.5)
TECTB (1.4)	BLK (1.4)
AGBL5 (2.1)	CITED2 (2.0)
MAU2 (1.9)	REEP3 (1.9)
ZNF513 (1.8)	PLTP (1.8)
TDH (1.6)	FNDC4 (1.5)
CILP2 (1.8)	ZNF664 (1.8)
ENSG00000223745 (2	DUSP3 (2.0)
PCIF1 (2.1)	TOMM40 (2.1)
CATSPER2 (2.3)	ENSG00000255020 (2
POLR1A (1.9)	SUPT7L (1.9)
PREB (1.7)	TBL2 (1.7)
PTPN13 (1.8)	G6PC3 (1.8)
PLTP (1.4)	FNDC4 (1.4)
AGBL2 (1.7)	NAGS (1.6)
IZUMO1 (1.6)	PTPMT1 (1.6)
CCDC121 (2.1)	TBL2 (2.0)

LPL (1.6)	CCDC92 (1.6)
MAP1A (1.8)	SLC30A3 (1.8)
CCDC121 (1.6)	CYP26A1 (1.6)
PCSK7 (1.4)	NFE2L3 (1.3)
NSMAF (1.9)	ENSG00000254235 (1
IZUMO1 (1.9)	FGF21 (1.9)
SUGP1 (2.2)	TUBGCP4 (2.2)
FNBP4 (2.0)	PTCD3 (1.8)
SDCBP (1.7)	LPA (1.7)
TMEM101 (2.0)	LRP4 (2.0)
PREB (1.9)	CLPTM1 (1.8)
PREB (1.9)	CLPTM1 (1.8)
PREB (1.9)	CLPTM1 (1.8)
PTPMT1 (1.6)	BCL7B (1.5)
GMIP (1.9)	ZNF512 (1.9)
EPB41L3 (1.9)	C1orf172 (1.8)
C1orf172 (2.0)	C17orf105 (2.0)
SFN (2.2)	FEN1 (2.1)
ARID1A (2.0)	KRTCAP3 (2.0)
CASC4 (2.1)	TMEM175 (2.0)
BCL3 (1.8)	CETP (1.8)
ATP13A1 (1.8)	POLR1A (1.8)
CELF1 (1.9)	CAD (1.8)
CETP (1.7)	PGS1 (1.6)
CYP26A1 (2.0)	BNC2 (1.9)
UBXN2B (1.8)	DNAJC5G (1.8)
DNAJC5G (1.7)	TSSK6 (1.7)
AGBL5 (1.6)	IFT172 (1.5)
REEP3 (1.8)	IZUMO1 (1.8)
FUT1 (1.9)	ENSG00000235545 (1
PPIP5K1 (1.9)	MAPK10 (1.9)
TSSK6 (1.9)	LRP4 (1.8)
CAD (2.2)	ZNF512 (2.2)
SLC5A6 (1.3)	IGF2R (1.3)
NUP160 (2.3)	LSM12 (2.2)
CELF1 (2.0)	MPP2 (1.9)
PCIF1 (1.9)	C8orf49 (1.9)
NUP160 (2.0)	BUD13 (2.0)
CETP (1.5)	PBX4 (1.5)
BCAM (1.6)	DPYSL5 (1.6)
ZNF335 (2.3)	MTMR9 (2.2)
CLPTM1 (1.8)	IGF2R (1.8)
BRE (2.2)	MPV17 (2.2)
FZD9 (1.8)	PYY (1.7)
SDC1 (1.7)	TMEM101 (1.7)
MTF2 (2.1)	WDR76 (2.0)
SUPT7L (1.3)	GMIP (1.3)
DDB2 (2.2)	EIF2B4 (2.2)
DDB2 (2.2)	EIF2B4 (2.2)
SIK3 (1.6)	PCSK7 (1.6)

NR0B2 (2.0)	C2orf28 (1.9)
PREB (1.9)	MRPL35 (1.9)
MAP1A (1.9)	FGF21 (1.9)
NCAN (2.0)	LSM12 (1.8)
CCDC121 (1.6)	C8orf49 (1.5)
KHK (2.1)	C1QTNF4 (2.0)
DNAJC5G (2.0)	ENSG00000179523 (2
CD300LG (1.9)	DOCK6 (1.8)
MRPL35 (2.5)	MTMR9 (2.4)
MRPL35 (2.5)	MTMR9 (2.4)
MRPL35 (2.5)	MTMR9 (2.4)
MRPL35 (2.5)	MTMR9 (2.4)
MRPL35 (2.5)	MTMR9 (2.4)
MRPL35 (2.5)	MTMR9 (2.4)
CGREF1 (1.8)	CYP7A1 (1.8)
MRPL33 (2.0)	FEN1 (1.9)
TDH (1.8)	BCL3 (1.8)
PACSIN3 (1.9)	ENSG00000182319 (1
TUBGCP4 (2.8)	ATP13A1 (2.7)
PPIP5K1 (2.5)	MYBPC3 (1.9)
CCDC18 (1.9)	WDR76 (1.8)
ENSG00000255020 (1	BNC2 (1.9)
AFF1 (1.5)	ENSG00000226645 (1
AFF1 (1.5)	ENSG00000226645 (1
FAM167A (1.9)	PTPMT1 (1.8)
STRC (1.8)	PLTP (1.7)
LINC00208 (1.6)	LSM12 (1.5)
MTF2 (1.9)	MPV17 (1.9)
KLF14 (1.7)	PYY (1.6)
FNBP4 (1.7)	MAPRE3 (1.6)
DHODH (1.8)	DNAH10 (1.8)
MADD (1.4)	MAP1A (1.4)
NDUFS3 (2.2)	NUP160 (2.2)
REEP1 (1.9)	CETP (1.8)
INTS10 (2.8)	SUGP1 (2.4)
MTMR9 (2.0)	CKAP5 (2.0)
BNC2 (1.8)	ENSG00000256746 (1
CELF1 (1.5)	CATSPER2 (1.4)
MAPRE3 (2.0)	NFE2L3 (1.9)
TSSK6 (1.7)	CATSPER2 (1.6)
SUPT7L (2.5)	G6PC3 (2.4)
BMPR2 (1.9)	FGF21 (1.7)
KLF14 (1.8)	PYY (1.8)
KLF14 (1.8)	PYY (1.8)
RASIP1 (2.0)	PPIP5K1 (1.8)
ENSG00000222035 (1	C2orf53 (1.7)
KLF14 (2.0)	DR1 (1.9)
HDAC5 (2.0)	AMBRA1 (1.9)
IZUMO1 (1.8)	STRC (1.7)
NRBP1 (1.9)	ARFGAP2 (1.9)

EIF3J (2.1)	IMMT (2.0)
EIF3J (2.1)	IMMT (2.0)
EIF3J (2.1)	IMMT (2.0)
PTPMT1 (2.5)	EIF2B4 (1.8)
ENSG00000223745 (1	TM6SF2 (1.7)
SIK3 (1.6)	ENSG00000226645 (1
CELF1 (2.0)	ZNF335 (1.9)
MADD (1.7)	MAPRE3 (1.7)
NRBP1 (2.1)	SUMO1 (2.1)
KRTCAP3 (1.9)	FUT2 (1.8)
C2orf28 (2.2)	ENSG00000255020 (2
C2orf28 (2.2)	ENSG00000255020 (2
C2orf28 (2.2)	ENSG00000255020 (2
DHX38 (2.8)	IMMT (2.7)
NCAN (2.0)	C11orf49 (2.0)
SLC22A3 (1.6)	NEIL2 (1.6)
FZD9 (1.7)	ENSG00000256746 (1
FZD9 (1.7)	ENSG00000256746 (1
CCDC18 (1.8)	EIF2B4 (1.8)
TXNL4B (1.9)	USP1 (1.9)
BMPR2 (1.7)	ENSG00000235545 (1
SUMO1 (1.8)	CBLC (1.7)
MPP3 (1.8)	ENSG00000222035 (1
ARHGAP1 (2.1)	MAPRE3 (2.1)
TRNP1 (2.2)	MPP3 (1.7)
REEP3 (1.6)	HAVCR1 (1.4)
MYBPC3 (1.9)	MAFF (1.9)
SUPT7L (1.9)	PPM1G (1.9)
SUPT7L (1.9)	PPM1G (1.9)
NDUFS3 (2.1)	PPM1G (2.1)
TOMM40 (2.9)	IMMT (2.7)
GMIP (1.5)	DNAH10 (1.5)
MTF2 (1.6)	BAZ1B (1.6)
MTMR9 (1.5)	C8orf12 (1.4)
CD300LG (1.7)	PTPRJ (1.7)
TUBGCP4 (2.4)	CTDSPL2 (2.3)
ZNF408 (1.6)	ZNF512 (1.6)
TDH (1.9)	ABO (1.8)
KDM3A (2.2)	ATG13 (2.2)
IZUMO1 (1.8)	KLF14 (1.8)
BAZ1B (2.8)	AGBL5 (2.7)
BAZ1B (2.8)	AGBL5 (2.7)
COBLL1 (1.6)	TRNP1 (1.5)
BNC2 (2.0)	ENSG00000222035 (2
SUPT7L (1.9)	FADS2 (1.8)
PCIF1 (1.7)	SIK3 (1.6)
CMIP (2.0)	MAPRE3 (1.9)
CYP26A1 (2.2)	CITED2 (2.0)
EIF3J (1.7)	BCL7B (1.6)
HDAC5 (2.6)	CKAP5 (2.5)

NSMAF (2.0)	ARFGAP2 (1.9)
CYP26A1 (1.9)	BNC2 (1.5)
CYP26A1 (1.9)	BNC2 (1.5)
LINC00208 (1.7)	DOCK6 (1.5)
FAM167A (1.6)	IGF2R (1.5)
KLF14 (1.8)	FGF21 (1.6)
ENSG00000256731 (1	FUT2 (1.6)
NSMAF (1.9)	C8orf49 (1.7)
CASC4 (1.9)	PTPN13 (1.9)
MAP1A (1.9)	CLPTM1 (1.8)
ZNF664 (2.1)	SUMO1 (1.7)
MAP1A (2.0)	CELF1 (2.0)
CHMP3 (1.9)	FUT1 (1.9)
POLR1A (1.9)	NRBF2 (1.8)
EPB41L3 (1.8)	STRC (1.8)
MAPRE3 (1.6)	SDC1 (1.5)
MPP3 (1.9)	ENSG00000255020 (1
SOST (2.1)	MAU2 (2.1)
JMJD1C (1.7)	ARID1A (1.6)
SLC5A6 (2.2)	POLR1A (2.1)
CCDC121 (1.9)	RIC8B (1.9)
MAP1A (1.9)	PLTP (1.9)
TOMM40 (2.8)	DHODH (2.8)
KRTCAP3 (1.6)	C1orf172 (1.5)
KRTCAP3 (1.6)	C1orf172 (1.5)
KRTCAP3 (1.6)	C1orf172 (1.5)
FGF21 (1.6)	ENSG00000223522 (1
OST4 (1.8)	ENSG00000182319 (1
DHX38 (2.4)	PAFAH1B2 (2.3)
SNX17 (2.0)	GPN1 (1.9)
SLC30A3 (2.2)	REEP1 (2.1)
REEP1 (1.9)	MPP2 (1.8)
MTMR9 (1.9)	ENSG00000236827 (1
NFE2L3 (1.8)	SUMO1 (1.8)
FZD9 (1.7)	KANK2 (1.7)
C2orf28 (2.1)	MTCH2 (2.0)
PLTP (1.6)	LPL (1.5)
ENSG00000253379 (1	CYP26A1 (1.7)
BAZ1B (2.2)	GATAD2A (2.1)
FNBP4 (2.0)	DHX38 (1.7)
CYP26A1 (1.8)	SIDT2 (1.8)
CCDC92 (1.9)	HAVCR1 (1.8)
PPM1G (1.6)	FADS2 (1.6)
PPIP5K1 (2.5)	MYBPC3 (1.9)
PIGV (1.2)	C8orf49 (1.2)
ZNF512 (1.8)	CAD (1.8)
SPG11 (1.9)	ZDHHC18 (1.8)
LSM12 (1.8)	HDAC5 (1.5)
BNC2 (1.7)	C17orf105 (1.7)
ATG13 (1.6)	BCL7B (1.6)

MAPK10 (1.9)	PMFBP1 (1.8)
C11orf49 (1.9)	NSMAF (1.9)
ZNF512 (1.8)	HDAC5 (1.8)
CHMP3 (2.0)	MAMSTR (1.9)
ENSG00000223522 (2	SLC22A3 (2.2)
CASC4 (1.4)	ENSG00000234945 (1
NRBP1 (1.8)	GALNT2 (1.7)
MTF2 (2.1)	PPM1G (1.5)
PPIP5K1 (2.4)	MYBPC3 (1.8)
MAU2 (1.7)	MTMR9 (1.6)
DHX38 (2.3)	BUD13 (2.2)
ENSG00000200241 (1	ENSG00000254235 (1
PCSK7 (1.5)	PTCD3 (1.4)
BCL7B (1.7)	PACSIN3 (1.7)
SUPT7L (1.6)	GALNT2 (1.6)
BAZ1B (1.8)	CELF1 (1.8)
SNX17 (2.2)	ZNF335 (2.1)
SNX17 (2.2)	ZNF335 (2.1)
ENSG00000256731 (1	LPA (1.8)
MAPK10 (2.2)	CCDC92 (2.1)
WDR76 (2.0)	EIF3J (2.0)
CGREF1 (2.1)	CASC4 (2.0)
PCSK7 (1.4)	LIPC (1.3)
RSPO3 (1.7)	BNC2 (1.6)
RFX4 (2.0)	MTMR9 (1.9)
NOP58 (2.4)	TXNL4B (2.2)
MFAP1 (2.5)	EIF2B4 (2.3)
AFF1 (1.7)	MAU2 (1.7)
TUBGCP4 (2.0)	GATAD2A (1.9)
SNX17 (2.2)	GTF3C2 (2.2)
ENSG00000255020 (1	FGF21 (1.6)
C11orf9 (1.6)	ENSG00000234945 (1
ZNF335 (1.4)	AGBL5 (1.4)
CASC4 (1.8)	PMFBP1 (1.6)
TRNP1 (1.6)	GTF3C2 (1.5)
PCSK7 (2.6)	CLPTM1 (2.6)
ZNF259 (1.8)	CCDC121 (1.8)
CILP2 (1.8)	KLF14 (1.7)
CILP2 (1.8)	KLF14 (1.7)
SLC30A3 (1.6)	PPY (1.6)
HDAC5 (2.0)	GATA4 (2.0)
TDH (2.1)	ENSG00000179523 (2
JMJD1C (1.8)	SPG11 (1.7)
APOA4 (1.7)	MPP2 (1.6)
MTMR9 (2.2)	BUD13 (2.1)
BLK (1.8)	ENSG00000182319 (1
IMMT (2.4)	DDB2 (2.4)
LRP4 (1.5)	TRIM54 (1.5)
TOMM40 (1.7)	PPM1G (1.7)
SLC5A6 (2.0)	MTMR9 (1.9)

CAD (2.4)	BAZ1B (2.3)
PCSK7 (1.6)	ZNF335 (1.6)
PDIA3 (1.8)	TRIM54 (1.7)
IMMT (2.5)	PLTP (2.4)
CTSB (1.6)	TMEM175 (1.6)
DNAJC5G (2.1)	ENSG00000256746 (2
CELF1 (1.8)	MTCH2 (1.8)
SOST (2.3)	C11orf9 (2.1)
NEIL2 (2.3)	MRPL33 (2.2)
CTDSPL2 (2.2)	TOMM40 (1.9)
SUMO1 (1.8)	IFT172 (1.8)
SUMO1 (1.8)	IFT172 (1.8)
C8orf12 (1.8)	ENSG00000256746 (1
TMED5 (2.0)	C2orf28 (1.9)
C2orf16 (2.0)	AGBL5 (1.9)
AGBL2 (1.8)	FEN1 (1.8)
AGBL2 (1.8)	FEN1 (1.8)
CMIP (1.8)	PGS1 (1.7)
C11orf49 (1.9)	ENSG00000236267 (1
ARFGAP2 (2.0)	HDAC5 (2.0)
MTF2 (2.3)	ZNF512 (2.2)
MTF2 (2.3)	ZNF512 (2.2)
MTF2 (2.3)	ZNF512 (2.2)
C1orf172 (1.5)	EMILIN1 (1.5)
MFAP1 (2.5)	ZNF408 (2.5)
BAZ1B (1.9)	KDM3A (1.8)
CCDC92 (1.5)	CETP (1.5)
ARID1A (1.7)	REEP3 (1.6)
TSSK6 (2.1)	DNAJC5G (2.1)
C1QTNF4 (2.1)	CITED2 (1.9)
MAMSTR (1.7)	NRBP1 (1.7)
CHMP3 (1.9)	C2orf53 (1.8)
ZNF512 (2.0)	TRIM54 (2.0)
LPAL2 (1.7)	CD300LG (1.6)
PTPMT1 (1.7)	PGS1 (1.7)
CAD (2.3)	TUBGCP4 (2.2)
ZNF259 (1.8)	RIC8B (1.7)
MAPRE3 (1.8)	SPG11 (1.7)
MTMR9 (2.8)	KDM3A (2.7)
ENSG00000226645 (1	GMIP (1.4)
SUPT7L (1.6)	GMIP (1.5)
GATAD2A (1.8)	OST4 (1.8)
BRE (1.7)	KLF14 (1.7)
ENSG00000222035 (1	MTCH2 (1.4)
HAVCR1 (1.8)	STRC (1.7)
SUPT7L (2.4)	PCIF1 (2.2)
ATG13 (2.2)	POLR1A (2.2)
RIC8B (2.0)	MADD (2.0)
IZUMO1 (1.5)	ENSG00000222035 (1
RBKS (1.9)	ENSG00000234945 (1

BUD13 (2.5)	KDM3A (2.3)
FGF21 (2.6)	ENSG00000200241 (2
FGF21 (2.6)	ENSG00000200241 (2
FGF21 (2.6)	ENSG00000200241 (2
KDM3A (1.8)	PAFAH1B2 (1.8)
KDM3A (1.8)	PAFAH1B2 (1.8)
SNX17 (1.7)	RIC8B (1.7)
BAZ1B (2.2)	DHX38 (2.1)
FAM167A (2.1)	DPYSL5 (2.1)
ENSG00000235545 (1	VEGFA (1.6)
SOST (1.6)	PACSIN3 (1.6)
SUMO1 (1.4)	BAZ1B (1.4)
C11orf9 (1.8)	SNX17 (1.7)
CCDC121 (1.7)	TRIB1 (1.6)
PREB (2.2)	SNX17 (2.2)
SLC22A3 (2.2)	RSPO3 (2.1)
HAPLN4 (1.8)	CCDC121 (1.6)
G6PC3 (1.9)	KLF14 (1.8)
CCDC121 (2.6)	WDR76 (2.5)
TSSK6 (1.8)	ENSG00000223522 (1
PLTP (1.9)	CATSPER2 (1.8)
FUT1 (1.9)	ENSG00000182329 (1
BCL7B (1.7)	FRMD5 (1.7)
FEN1 (2.0)	NUP160 (1.9)
FEN1 (2.0)	NUP160 (1.9)
ATG13 (1.8)	NEIL2 (1.8)
C2orf53 (1.9)	IZUMO1 (1.8)
GPN1 (2.1)	CCDC121 (2.0)
MPP3 (1.9)	LPL (1.8)
HDAC5 (1.6)	UCN (1.6)
NRBP1 (2.5)	SNX17 (2.2)
ABO (1.9)	FUT1 (1.6)
REEP1 (1.9)	TRIM54 (1.9)
NUP160 (2.1)	RIC8B (2.0)
AMBRA1 (2.3)	ZNF335 (1.9)
GATAD2A (1.9)	AGBL5 (1.8)
MTCH2 (2.9)	EIF3J (2.8)
DUSP3 (1.9)	SDCBP (1.8)
DHODH (2.0)	PTPMT1 (1.9)
C8orf12 (1.3)	IZUMO1 (1.1)
FRMD5 (1.9)	REEP1 (1.8)
RSPO3 (1.4)	SIDT2 (1.4)
GPN2 (2.1)	TUBGCP4 (2.1)
C2orf28 (2.1)	TOMM40 (2.1)
TSSK6 (1.8)	PCSK7 (1.8)
NFE2L3 (1.6)	C8orf12 (1.6)
CLPTM1 (2.0)	ENSG00000253379 (2
LINC00208 (1.7)	MAU2 (1.6)
TSSK6 (1.6)	TDH (1.5)
PTCD3 (1.6)	SLC22A1 (1.6)

CCDC92 (2.0)	MYBPC3 (1.9)
FNBP4 (1.9)	ZNF259 (1.9)
KLF14 (1.8)	ARHGAP1 (1.7)
ATP13A1 (1.8)	TECTB (1.6)
IGF2R (1.8)	REEP3 (1.7)
IGF2R (1.8)	REEP3 (1.7)
MFAP1 (2.2)	CAD (2.2)
G6PC3 (1.5)	TMEM175 (1.5)
MFAP1 (2.4)	TUBGCP4 (2.4)
MFAP1 (2.4)	TUBGCP4 (2.4)
KDM3A (1.1)	KLF14 (1.1)
PMFBP1 (2.2)	BNC2 (2.1)
FEN1 (2.1)	PDIA3 (1.9)
PVRL2 (1.7)	ARID1A (1.7)
NCAN (1.6)	LSM12 (1.6)
NAT2 (1.7)	DUSP3 (1.6)
NAT2 (1.6)	IZUMO1 (1.6)
TSSK6 (1.7)	CASC4 (1.6)
STRC (2.2)	MAPK10 (1.9)
PMFBP1 (1.8)	C11orf49 (1.6)
PPIP5K1 (2.5)	EIF2B4 (1.7)
ATG13 (2.3)	BUD13 (2.1)
NCAN (2.1)	ENSG00000226645 (2
CCDC92 (2.0)	C11orf9 (1.9)
MTF2 (2.1)	NRBF2 (2.1)
NFE2L3 (1.7)	SIK3 (1.7)
ENSG00000235545 (1	LINC00208 (1.7)
G6PC3 (2.0)	C1QTNF4 (1.8)
MPV17 (1.8)	CATSPER2 (1.8)
MPV17 (1.8)	CATSPER2 (1.8)
MAPRE3 (1.6)	FGF21 (1.5)
NUP160 (1.7)	HARBI1 (1.7)
POLR1A (2.6)	EIF3J (2.6)
GPN1 (2.5)	MTF2 (2.4)
ENSG00000223745 (2	IGF2R (2.3)
LSM12 (2.2)	ZNF335 (2.0)
TSSK6 (1.6)	NAGS (1.4)
MTF2 (2.1)	BAZ1B (2.1)
ENSG00000222035 (1	PTPRJ (1.8)
LSM12 (2.2)	INTS10 (1.9)
ENSG00000182319 (1	JMJD1C (1.7)
NAT2 (1.7)	FGF21 (1.7)
MTMR9 (2.0)	NCAN (1.9)
EIF3J (1.7)	RIC8B (1.6)
PLTP (1.6)	C1QTNF4 (1.5)
INTS10 (2.0)	SPG11 (2.0)
TDH (1.8)	FGF21 (1.7)
PTPRJ (1.7)	NR0B2 (1.7)
NUP160 (1.9)	NDUFS3 (1.8)
ACP2 (1.9)	CHMP3 (1.8)

ENSG00000253379 (1	FNDC4 (1.9)
SLC30A3 (1.7)	TBL2 (1.7)
IGF2R (2.4)	MFAP1 (2.1)
NRBF2 (1.9)	PAFAH1B2 (1.9)
LSM12 (2.2)	C2orf28 (2.2)
SLC5A6 (1.9)	MTMR9 (1.9)
MAPK10 (1.9)	ENSG00000234945 (1
MTF2 (2.3)	CASC4 (2.2)
CCDC18 (1.8)	PREB (1.8)
CCDC18 (1.8)	PREB (1.8)
C11orf49 (2.2)	TOMM40 (1.9)
PCIF1 (2.0)	BAZ1B (1.9)
NRBF2 (2.0)	PBX4 (2.0)
REEP1 (1.6)	CGREF1 (1.6)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
ZNF513 (1.8)	C2orf53 (1.7)
GPN2 (2.2)	KANK2 (2.2)
SUGP1 (2.2)	PCIF1 (2.1)
MRPL33 (2.6)	DHODH (2.5)
MRPL33 (2.6)	DHODH (2.5)
GPN1 (2.1)	GTF3C2 (2.1)
PPIP5K1 (2.1)	MAU2 (1.6)
ENSG00000226645 (1	C2orf16 (1.6)
CKAP5 (2.3)	HDAC5 (2.1)
NSMAF (1.7)	ATG13 (1.6)
PTPRJ (1.6)	RBKS (1.5)
ENSG00000200241 (2	ZNF664 (2.5)
WDR76 (2.3)	SPG11 (2.3)
ATG13 (2.5)	TMED5 (2.4)
SUMO1 (2.1)	BAZ1B (2.1)
TMEM214 (2.4)	TXNL4B (2.4)
CCDC18 (2.2)	EIF3J (2.2)
KLF14 (2.0)	ENSG00000256746 (1
MAPK10 (1.9)	HAPLN4 (1.7)
FEN1 (1.4)	LPAR2 (1.4)
MTMR9 (2.2)	C8orf12 (2.0)
FUT2 (2.2)	SLC30A3 (1.9)
PPIP5K1 (2.2)	RIC8B (1.6)
CGREF1 (1.9)	BCL7B (1.9)
C8orf12 (1.9)	MAMSTR (1.8)
PAFAH1B2 (1.9)	NFE2L3 (1.8)
TECTB (1.8)	MAPRE3 (1.7)
KANK2 (1.9)	C11orf49 (1.9)
TMEM101 (2.1)	SUPT7L (1.9)
FZD9 (1.9)	REEP1 (1.8)

CATSPER2 (2.1)	TBL2 (2.1)
ENSG00000256746 (2	ATP13A1 (1.9)
WDR76 (2.5)	ENSG00000182319 (2
KLF14 (1.9)	NEIL2 (1.9)
PPM1G (2.5)	NDUFS3 (2.3)
CAD (3.1)	ZNF512 (2.9)
PPM1G (2.6)	MRPL35 (2.5)
HARBI1 (1.6)	NFE2L3 (1.6)
LINC00208 (1.6)	MAPRE3 (1.5)
MAP1A (2.6)	FRMD5 (2.6)
NOP58 (2.0)	DPYSL5 (1.8)
MADD (2.0)	SDCBP (1.9)
ENSG00000223745 (1	RIC8B (1.6)
HDAC5 (1.8)	SDC1 (1.8)
NR0B2 (2.3)	STRC (1.9)
SUGP1 (1.8)	PTPRJ (1.7)
ARFGAP2 (2.3)	CITED2 (2.2)
KRTCAP3 (1.9)	MTF2 (1.8)
CHMP3 (1.7)	LPAR2 (1.7)
SIK3 (1.9)	CKAP5 (1.8)
MAPK10 (2.1)	BMPR2 (2.0)
CMIP (1.7)	HAPLN4 (1.6)
DNAJC5G (1.7)	BNC2 (1.6)
SUMO1 (2.2)	CTDSPL2 (2.1)
PLTP (1.5)	TP53BP1 (1.3)
MTMR9 (2.0)	BUD13 (2.0)
ARHGAP1 (2.6)	ARFGAP2 (2.6)
DDB2 (1.3)	MAFF (1.2)
PCIF1 (1.7)	LRP4 (1.6)
ENSG00000179523 (1	SIDT2 (1.6)
PDIA3 (2.6)	PCSK7 (2.4)
PVRL2 (1.5)	HAVCR1 (1.4)
TRIB1 (1.8)	MAMSTR (1.5)
MAP1A (1.6)	SLC22A3 (1.6)
CKAP5 (2.1)	SLC30A3 (2.1)
ENSG00000257711 (1	SIK3 (1.9)
CSGALNACT1 (1.6)	MTF2 (1.6)
TP53BP1 (1.7)	MTF2 (1.5)
ENSG00000179523 (2	DHX38 (2.2)
BUD13 (2.4)	NUP160 (2.3)
GTF3C2 (2.0)	RASIP1 (2.0)
PTCD3 (1.7)	PPIP5K1 (1.5)
FAM167A (1.9)	PYY (1.8)
RIC8B (2.6)	CAD (2.6)
DOCK7 (1.5)	MAP1A (1.5)
GPAM (2.2)	MAPRE3 (2.2)
CASC4 (1.8)	TMED5 (1.8)
CITED2 (2.2)	PPIP5K1 (2.1)
NUP160 (2.4)	NSMAF (2.3)
IFT172 (1.7)	LRP4 (1.6)

AMBRA1 (2.0)	SUMO1 (2.0)
HDAC5 (1.6)	ENSG00000236267 (1
ZNF513 (1.6)	PGS1 (1.6)
ZDHHC18 (1.7)	NRBP1 (1.7)
CLPTM1 (2.1)	ATP13A1 (2.0)
CBLC (1.6)	CCDC92 (1.6)
C11orf9 (1.8)	SLC30A3 (1.6)
CATSPER2 (1.7)	MTF2 (1.6)
ENSG00000223745 (1	DHODH (1.5)
DOCK7 (2.0)	MFAP1 (1.9)
TRIM54 (2.1)	ENSG00000223522 (2
PTPMT1 (1.7)	ZNF664 (1.7)
SIK3 (1.8)	ARID1A (1.8)
SIK3 (1.8)	ARID1A (1.8)
SIK3 (1.8)	ARID1A (1.8)
ARHGAP1 (1.9)	PAFAH1B2 (1.8)
CASC4 (2.4)	MFAP1 (2.3)
KRTCAP3 (1.6)	C17orf105 (1.5)
KRTCAP3 (1.9)	TSSK6 (1.9)
TBL2 (2.4)	ENSG00000222035 (2
AFF1 (2.1)	TP53BP1 (2.1)
RIC8B (1.7)	KLF14 (1.7)
ENSG00000255020 (1	CD300LG (1.7)
ENSG00000255020 (1	CD300LG (1.7)
ZDHHC18 (1.6)	CMIP (1.4)
ENSG00000255020 (1	MPP2 (1.7)
MAPK10 (2.0)	ENSG00000223522 (2
SUMO1 (1.8)	LPAR2 (1.8)
REEP3 (1.8)	DNAH10 (1.8)
REEP3 (1.8)	DNAH10 (1.8)
NCAN (1.7)	HAPLN4 (1.6)
GMIP (1.7)	ENSG00000256731 (1
CTSB (2.3)	C2orf28 (2.1)
UBXN2B (2.5)	ATG4C (2.1)
DOCK7 (1.7)	DNAJC5G (1.6)
GPN1 (2.3)	KBTBD4 (2.1)
PPIP5K1 (2.0)	MAU2 (1.9)
ENSG00000223745 (1	RIC8B (1.7)
NFE2L3 (1.8)	MAPK10 (1.8)
KHK (1.9)	CCDC92 (1.8)
EIF2B4 (2.3)	HARBI1 (2.3)
PTCD3 (2.1)	BAZ1B (2.0)
ZNF512 (2.1)	CAD (2.1)
AFF1 (1.9)	IFT172 (1.9)
PACSIN3 (2.4)	AMBRA1 (2.2)
KRTCAP3 (1.6)	MAPK10 (1.6)
GPN1 (2.0)	ENSG00000223745 (1
MPP3 (1.5)	TSSK6 (1.4)
ZNF335 (1.6)	PCSK7 (1.6)
NRBF2 (1.8)	ZNF513 (1.7)

AFF1 (2.0)	CGREF1 (2.0)
TMED5 (1.5)	NAT2 (1.4)
TMED5 (1.5)	NAT2 (1.4)
EIF3J (2.2)	ENSG00000179523 (2
BAZ1B (3.1)	PPIP5K1 (2.6)
BAZ1B (3.1)	PPIP5K1 (2.6)
JMJD1C (2.2)	FGF21 (2.1)
DPYSL5 (1.7)	MPP3 (1.6)
TXNL4B (1.6)	DR1 (1.5)
MFAP1 (2.3)	DHODH (1.7)
MTCH2 (2.5)	NRBP1 (2.5)
MTF2 (2.3)	PPM1G (1.8)
MTMR9 (1.9)	ZNF259 (1.9)
SDC1 (1.7)	ENSG00000223745 (1
PYY (1.1)	CCDC18 (1.1)
MTMR9 (2.0)	UCN (1.9)
HAVCR1 (2.0)	HAPLN4 (1.9)
PPIP5K1 (1.7)	C2orf16 (1.7)
ENSG00000226645 (1	TRIB1 (1.6)
ENSG00000236827 (1	TRIM54 (1.8)
PPIP5K1 (2.0)	MAU2 (1.8)
BCL7B (1.8)	MPV17 (1.7)
PVRL2 (2.0)	CHMP3 (1.8)
ENSG00000234945 (1	C17orf105 (1.7)
BNC2 (1.5)	C11orf9 (1.4)
AGBL2 (1.7)	ENSG00000255020 (1
INTS10 (1.8)	NFE2L3 (1.7)
PCIF1 (1.8)	MADD (1.8)
PPY (2.1)	GATAD2A (2.0)
GPN1 (2.3)	DHODH (2.2)
CATSPER2 (2.1)	MPP2 (2.0)
BUD13 (1.7)	NAGS (1.7)
ENSG00000236827 (1	ATP13A1 (1.3)
ENSG00000182329 (2	MYBPC3 (1.9)
FRMD5 (1.9)	TRIM54 (1.8)
GPN1 (1.9)	CKAP5 (1.9)
PPIP5K1 (2.0)	MAU2 (1.7)
C2orf53 (2.0)	NR0B2 (1.9)
MADD (2.0)	ZDHHC18 (2.0)
ZNF408 (2.1)	LSM12 (2.1)
MPP2 (1.9)	C11orf9 (1.6)
KBTBD4 (1.7)	ENSG00000256731 (1
MAPK10 (1.8)	ENSG00000234945 (1
TMEM175 (2.7)	ATG4C (2.7)
NCAN (1.8)	BCAM (1.8)
C2orf53 (1.9)	ENSG00000256746 (1
STRC (1.7)	SDCBP (1.6)
INTS10 (2.3)	PCIF1 (2.3)
HARBI1 (2.4)	ENSG00000256731 (2
FNBP4 (2.0)	PPM1G (1.8)

RSPO3 (2.0)	SDC1 (1.9)
ENSG00000236267 (1	ENSG00000179523 (1
ZDHHC18 (2.0)	COBLL1 (1.8)
FZD9 (2.1)	IZUMO1 (1.9)
RASIP1 (1.9)	PPY (1.9)
GTF3C2 (1.7)	CTDSPL2 (1.6)
KHK (1.6)	SIK3 (1.6)
SUGP1 (2.0)	SUMO1 (2.0)
PMFBP1 (1.8)	C17orf105 (1.6)
CAD (2.1)	MTF2 (1.9)
RFX4 (1.7)	ENSG00000255020 (1
NUP160 (2.0)	NDUFS3 (2.0)
PCSK7 (2.4)	IFT172 (2.4)
ZNF259 (2.0)	ANGPTL4 (1.9)
IFT172 (1.8)	G6PC3 (1.8)
TBL2 (1.5)	CTDSPL2 (1.5)
IZUMO1 (2.0)	GPAM (1.9)
HAVCR1 (2.0)	FZD9 (1.8)
C2orf16 (1.9)	NEIL2 (1.6)
TDH (1.7)	C2orf16 (1.6)
CITED2 (1.8)	ARID1A (1.7)
ENSG00000257711 (1	ENSG00000223522 (1
HAPLN4 (1.6)	LINC00208 (1.5)
HAPLN4 (1.6)	LINC00208 (1.5)
HAPLN4 (1.6)	LINC00208 (1.5)
DR1 (1.4)	DNAH10 (1.3)
REEP3 (2.0)	ATG13 (1.9)
REEP3 (2.0)	ATG13 (1.9)
NRBP1 (2.3)	SNX17 (2.2)
PIGV (2.1)	PCSK7 (2.1)
EMILIN1 (2.3)	NEIL2 (2.2)
MFAP1 (2.3)	PTCD3 (2.1)
BAZ1B (2.5)	CAD (2.4)
PMFBP1 (2.0)	MPV17 (1.9)
FGF21 (1.6)	FRMD5 (1.5)
PREB (1.9)	ENSG00000226645 (1
ARHGAP1 (1.9)	KDM3A (1.8)
SUGP1 (1.8)	BAZ1B (1.8)
ABHD1 (1.6)	TDH (1.6)
CSGALNACT1 (1.7)	PLA2G6 (1.7)
TSSK6 (1.7)	ENSG00000256746 (1
FDFT1 (2.4)	PYY (2.4)
ATG4C (1.7)	CGREF1 (1.5)
CHMP3 (2.0)	BCAM (1.7)
UBXN2B (1.7)	MAU2 (1.7)
SUGP1 (1.7)	POLR1A (1.7)
BAZ1B (2.0)	CTDSPL2 (2.0)
GMIP (1.5)	C2orf16 (1.5)
BCL3 (1.6)	CATSPER2 (1.6)
DHX38 (2.0)	APOA4 (2.0)

ENSG00000256731 (2	SDCBP (2.4)
CATSPER2 (2.0)	MAPK10 (1.9)
FNDC4 (1.9)	ENSG00000182319 (1
SOST (1.8)	C8orf12 (1.6)
CCDC18 (1.7)	TXNL4B (1.7)
PCIF1 (1.8)	ZNF408 (1.7)
TMEM101 (1.8)	BNC2 (1.7)
DNAH10 (1.5)	BMPR2 (1.5)
PPIP5K1 (2.0)	ENSG00000200241 (1
C11orf49 (2.2)	BNC2 (1.9)
PPIP5K1 (1.9)	MAU2 (1.9)
PPIP5K1 (2.5)	MAU2 (1.7)
FAM167A (1.4)	HAVCR1 (1.3)
CAD (2.3)	PTCD3 (1.8)
NCAN (1.7)	MPP3 (1.7)
TECTB (1.6)	IZUMO1 (1.6)
VEGFA (2.7)	SUGP1 (2.6)
ABHD1 (1.5)	RSPO3 (1.5)
DOCK7 (1.9)	ATG4C (1.8)
NUP160 (2.1)	BUD13 (2.1)
SIK3 (1.8)	DDB2 (1.5)
DR1 (1.9)	TSSK6 (1.8)
REEP1 (1.4)	MPP2 (1.3)
EIF2B4 (1.4)	LPAR2 (1.3)
COBLL1 (1.8)	TMEM175 (1.8)
TMEM101 (2.2)	ARHGAP1 (2.2)
SPG11 (1.7)	KRTCAP3 (1.7)
AGBL5 (1.8)	NFE2L3 (1.7)
ENSG00000223522 (1	AFF1 (1.3)
C2orf28 (1.9)	NR0B2 (1.8)
PACSIN3 (1.8)	SFN (1.8)
KBTBD4 (2.4)	IFT172 (2.4)
NEIL2 (2.2)	REEP1 (2.1)
ENSG00000222035 (1	LRP4 (1.6)
DHODH (2.0)	PPIP5K1 (2.0)
RIC8B (1.2)	CHMP3 (1.0)
MPP2 (1.5)	AFF1 (1.5)
DUSP3 (1.9)	C2orf28 (1.8)
TUBGCP4 (2.7)	MTF2 (2.4)
TUBGCP4 (2.7)	MTF2 (2.4)
FZD9 (1.6)	FAM167A (1.6)
ENSG00000223745 (2	SUPT7L (2.4)
MAPRE3 (2.1)	MPP3 (2.1)
LPL (1.8)	SIK3 (1.8)
PLTP (2.0)	CLPTM1 (2.0)
LPAR2 (1.8)	C1QTNF4 (1.8)
SFN (2.5)	SNX17 (2.0)
DOCK7 (2.0)	PACSIN3 (1.9)
TDH (1.9)	GATA4 (1.7)
INTS10 (2.3)	SLC5A6 (2.2)

PPIP5K1 (2.2)	MAU2 (1.9)
FRMD5 (2.0)	ENSG00000236827 (2
CKAP5 (2.1)	MFAP1 (2.1)
PDIA3 (1.7)	BLK (1.7)
PTPRJ (2.1)	DOCK7 (2.1)
DNAJC5G (1.9)	PPIP5K1 (1.8)
CYP26A1 (1.5)	SOST (1.4)
UBXN2B (1.9)	SLC5A6 (1.7)
IMMT (1.8)	UBXN2B (1.8)
MTF2 (1.6)	CKAP5 (1.4)
KBTBD4 (1.4)	RFX4 (1.4)
C11orf49 (2.0)	USP1 (1.9)
DR1 (1.7)	CKAP5 (1.7)
ENSG00000236827 (1	ABHD1 (1.5)
TDH (1.5)	SIDT2 (1.4)
INTS10 (2.2)	ZNF259 (2.2)
NEIL2 (1.5)	CCDC18 (1.4)
NEIL2 (1.5)	CCDC18 (1.4)
PPIP5K1 (2.4)	MAU2 (1.7)
ENSG00000179523 (1	EPB41L3 (1.4)
BRE (1.6)	MAPK10 (1.6)
DR1 (2.0)	WDR76 (2.0)
C8orf49 (1.8)	CCDC92 (1.8)
ANGPTL4 (1.8)	PVRL2 (1.7)
SPG11 (2.8)	NUP160 (2.8)
ATP13A1 (2.6)	C2orf28 (2.5)
C1QTNF4 (1.8)	TDH (1.8)
SIK3 (1.8)	IZUMO1 (1.8)
PTPRJ (1.4)	PPY (1.2)
C1QTNF4 (1.5)	BAZ1B (1.4)
HAVCR1 (1.6)	PAFAH1B2 (1.5)
ENSG00000182319 (1	FZD9 (1.8)
KHK (1.4)	ENSG00000256746 (1
BNC2 (1.6)	C1orf172 (1.6)
ENSG00000223745 (2	PTPMT1 (2.0)
ENSG00000223745 (2	PTPMT1 (2.0)
FEN1 (2.6)	CCDC18 (2.5)
CD300LG (1.7)	ENSG00000223745 (1
ARID1A (1.6)	CITED2 (1.6)
CTDSPL2 (1.6)	DDB2 (1.6)
BAZ1B (1.5)	TM6SF2 (1.5)
CCDC121 (2.0)	DNAH10 (1.9)
G6PC3 (1.5)	GCKR (1.4)
DR1 (2.0)	CASC4 (1.8)
PMFBP1 (1.6)	BMPR2 (1.6)
CTDSPL2 (2.3)	ARID1A (2.1)
MAMSTR (1.6)	ENSG00000223522 (1
ZNF512 (2.1)	IMMT (2.1)
SUPT7L (2.3)	BUD13 (2.3)
SUGP1 (1.9)	C2orf28 (1.9)

SUGP1 (1.9)	C2orf28 (1.9)
ENSG00000179523 (2	TSSK6 (2.0)
ENSG00000256746 (1	PBX4 (1.8)
BNC2 (1.7)	SLC30A3 (1.6)
ENSG00000223745 (1	MTMR9 (1.6)
DUSP3 (2.1)	CCDC92 (2.0)
PCIF1 (2.0)	BCL7B (1.9)
ENSG00000182329 (1	MAP1A (1.7)
ZNF512 (2.2)	CAD (2.1)
CKAP5 (2.3)	BRE (2.2)
BCAM (1.9)	C11orf9 (1.8)
AGBL5 (2.8)	CATSPER2 (2.0)
CCDC18 (2.3)	ZNF512 (1.9)
ZNF513 (1.8)	IGF2R (1.8)
C1QTNF4 (1.8)	FZD9 (1.7)
KHK (1.7)	COBLL1 (1.5)
TECTB (1.9)	KRTCAP3 (1.6)
MAPRE3 (1.9)	CELF1 (1.7)
FGF21 (1.6)	MAPK10 (1.6)
G6PC3 (2.0)	TIMD4 (2.0)
PPIP5K1 (2.0)	MAU2 (1.7)
TMEM101 (1.7)	IFT172 (1.7)
UBXN2B (1.7)	ENSG00000179523 (1
ATG13 (2.0)	HDAC5 (2.0)
NUP160 (2.4)	PPM1G (2.3)
KANK2 (1.6)	HAVCR1 (1.5)
DNAJC5G (1.9)	SUMO1 (1.8)
CILP2 (1.8)	C11orf49 (1.8)
ARID1A (1.5)	RIC8B (1.5)
FEN1 (1.5)	KANK2 (1.3)
PPIP5K1 (2.2)	MAU2 (1.6)
CTSB (1.9)	IGF2R (1.8)
CCDC18 (1.7)	ENSG00000200241 (1
USP1 (1.5)	CITED2 (1.4)
ENSG00000200241 (1	EIF2B4 (1.9)
C11orf49 (2.1)	DDB2 (2.1)
BUD13 (2.5)	SPG11 (2.5)
IGF2R (1.7)	MFAP1 (1.7)
FRMD5 (2.0)	RASIP1 (1.9)
LINC00208 (2.1)	NEIL2 (2.0)
TSSK6 (1.6)	FUT1 (1.6)
PPIP5K1 (2.4)	MAU2 (1.7)
PPIP5K1 (2.4)	MAU2 (1.7)
PPIP5K1 (2.4)	MAU2 (1.7)
CSGALNACT1 (1.5)	LPL (1.4)
ENSG00000255020 (1	MYBPC3 (1.8)
NSMAF (1.7)	TXNL4B (1.6)
MLXIPL (2.2)	CCDC92 (1.8)
BAZ1B (1.5)	INTS10 (1.5)
NCAN (2.3)	LRP4 (2.1)

NCAN (2.3)	LRP4 (2.1)
FRMD5 (1.7)	DNAJC5G (1.7)
MAPK10 (1.6)	TDH (1.6)
PPIP5K1 (2.0)	MAU2 (1.6)
PPIP5K1 (2.0)	MAU2 (1.6)
CHMP3 (2.7)	CCDC92 (2.4)
PMFBP1 (2.0)	TSSK6 (1.9)
PMFBP1 (2.0)	TSSK6 (1.9)
TMEM101 (2.0)	UCN (2.0)
FRMD5 (1.8)	PBX4 (1.7)
CELF1 (2.1)	MAPK10 (2.0)
MTF2 (1.9)	CAD (1.9)
BAZ1B (2.2)	AGBL5 (2.1)
CKAP5 (2.5)	WDR76 (2.5)
SLC22A3 (1.7)	BCL3 (1.6)
LRP4 (1.9)	FRMD5 (1.6)
NR0B2 (2.0)	SNX17 (2.0)
RIC8B (1.3)	DR1 (1.3)
C2orf16 (2.1)	PMFBP1 (1.8)
CCDC92 (2.0)	PTPRJ (1.9)
CLPTM1 (1.9)	DOCK6 (1.9)
ZDHHC18 (2.1)	MTMR9 (1.9)
DPYSL5 (1.7)	OST4 (1.7)
DNAH10 (1.8)	SUGP1 (1.8)
HAPLN4 (1.8)	NFE2L3 (1.7)
CCDC18 (2.4)	CCDC92 (2.1)
CKAP5 (1.9)	MYBPC3 (1.9)
ENSG00000222035 (1	ENSG00000254235 (1
PPIP5K1 (2.3)	ENSG00000200241 (1
PBX4 (1.7)	MAPK10 (1.5)
RIC8B (2.3)	MTF2 (2.2)
DPYSL5 (1.7)	PLTP (1.7)
BCL7B (1.8)	ARFGAP2 (1.6)
CSGALNACT1 (1.8)	FAM167A (1.7)
PPIP5K1 (2.1)	MAU2 (1.6)
PPIP5K1 (2.1)	MAU2 (1.6)
PPIP5K1 (2.1)	MAU2 (1.6)
PPIP5K1 (2.1)	MAU2 (1.6)
PCIF1 (1.8)	GATAD2A (1.7)
PCIF1 (1.8)	GATAD2A (1.7)
DNAH10 (2.2)	HAPLN4 (2.2)
BUD13 (2.2)	HDAC5 (2.2)
CCDC18 (2.6)	TUBGCP4 (2.4)
ENSG00000182319 (1	C2orf16 (1.8)
PTCD3 (1.7)	PTPRJ (1.7)
MPV17 (1.8)	BCL7B (1.6)
EPB41L3 (1.7)	CKAP5 (1.6)
PPIP5K1 (2.3)	MAU2 (1.9)
PPIP5K1 (2.3)	MAU2 (1.9)
MRPL33 (1.5)	DNAH10 (1.5)

SUMO1 (2.3)	PPM1G (2.3)
GPN2 (2.1)	SUPT7L (2.1)
HARBI1 (2.8)	CGREF1 (2.7)
HARBI1 (2.8)	CGREF1 (2.7)
HARBI1 (2.8)	CGREF1 (2.7)
MAPK10 (1.6)	ENSG00000223745 (1
MAPK10 (1.6)	ENSG00000223745 (1
RBKS (1.6)	COBLL1 (1.6)
C2orf28 (2.3)	C11orf49 (2.2)
PPM1G (1.6)	INTS10 (1.6)
PPIP5K1 (2.0)	MAU2 (1.7)
C17orf105 (1.9)	TAGLN (1.8)
PTCD3 (2.2)	NDUFS3 (2.2)
ZNF513 (1.6)	SUPT7L (1.6)
PIGV (1.8)	NFE2L3 (1.6)
BNC2 (2.0)	REEP1 (1.9)
ABO (2.5)	MADD (2.1)
APOC3 (2.4)	DOCK6 (2.2)
IZUMO1 (1.9)	BLK (1.9)
CSGALNACT1 (2.0)	DUSP3 (2.0)
BUD13 (2.3)	KBTBD4 (2.2)
MTMR9 (1.7)	TDH (1.6)
RSPO3 (1.6)	DR1 (1.6)
TECTB (2.2)	CCDC121 (2.1)
POLR1A (2.4)	USP1 (2.4)
TXNL4B (2.2)	DHX38 (2.2)
PTPRJ (1.8)	TUBGCP4 (1.8)
SUGP1 (1.3)	CMIP (1.2)
FNDC4 (2.2)	TRNP1 (2.1)
EPB41L3 (1.9)	NEIL2 (1.8)
PTCD3 (2.7)	CCDC18 (2.6)
NRBP1 (1.9)	KANK2 (1.9)
PPIP5K1 (2.1)	MAU2 (1.7)
SLC30A3 (1.8)	PYY (1.8)
CAD (1.9)	TUBGCP4 (1.6)
CCDC18 (1.7)	AGBL5 (1.7)
MRPL35 (2.2)	PTCD3 (2.0)
ARID1A (1.8)	BAZ1B (1.7)
HDAC5 (1.7)	JMJD1C (1.6)
HDAC5 (1.7)	JMJD1C (1.6)
NSMAF (1.5)	DNAH10 (1.4)
HGFAC (1.5)	CMIP (1.5)
PPIP5K1 (2.1)	MAU2 (1.7)
SNX17 (2.4)	IFT172 (2.4)
PCIF1 (1.9)	ATG4C (1.8)
CCDC92 (1.8)	DPYSL5 (1.7)
C17orf105 (2.1)	G6PC3 (2.1)
NDUFS3 (2.5)	CGREF1 (2.5)
TXNL4B (1.6)	ARHGAP1 (1.6)
BCL7B (1.9)	KBTBD4 (1.9)

TECTB (1.7)	ENSG00000255020 (1
CYP26A1 (1.7)	PTPN13 (1.6)
CBLC (1.8)	C8orf12 (1.7)
ATP13A1 (2.1)	AGBL2 (1.8)
PTCD3 (1.7)	IFT172 (1.5)
REEP3 (2.1)	PPM1G (1.9)
MAP1A (1.5)	CILP2 (1.5)
MAP1A (1.5)	CILP2 (1.5)
MAP1A (1.5)	CILP2 (1.5)
NRBF2 (1.7)	COBLL1 (1.6)
PCSK7 (2.6)	SPG11 (2.5)
STRC (2.0)	SLC22A3 (1.9)
RIC8B (1.8)	AGBL2 (1.8)
HARBI1 (1.9)	NRBP1 (1.8)
REEP3 (2.0)	LRP4 (1.8)
PYY (1.9)	EMILIN1 (1.8)
KBTBD4 (1.5)	LRP4 (1.5)
PIGV (1.5)	PBX4 (1.5)
PREB (2.0)	ENSG00000223745 (1
ARHGAP1 (1.9)	ENSG00000253379 (1
ARHGAP1 (1.9)	ENSG00000253379 (1
CHMP3 (1.7)	ABO (1.6)
FUT1 (1.5)	CBLC (1.5)
SNX17 (2.2)	TBL2 (2.2)
LSM12 (1.7)	ENSG00000254235 (1
KDM3A (2.1)	SUGP1 (2.0)
C1QTNF4 (2.2)	REEP1 (2.2)
HAPLN4 (1.4)	CILP2 (1.3)
RSPO3 (1.5)	CYP26A1 (1.5)
PPIP5K1 (2.0)	MAU2 (1.7)
PPIP5K1 (2.0)	MAU2 (1.7)
NDUFS3 (1.5)	MRPL33 (1.4)
PPY (1.8)	WDR76 (1.8)
ENSG00000179523 (1	MAU2 (1.7)
ANGPTL4 (1.8)	ENSG00000235545 (1
ENSG00000234945 (2	ENSG00000236827 (2
PDIA3 (2.7)	IFT172 (2.6)
C11orf49 (1.9)	PPM1G (1.8)
CBLC (1.9)	WDR76 (1.9)
CASC4 (1.4)	GPN2 (1.4)
PACSIN3 (1.9)	UBXN2B (1.8)
DDB2 (1.8)	KANK2 (1.7)
CGREF1 (1.9)	LPAL2 (1.8)
ZDHHC18 (1.8)	ENSG00000182329 (1
AGBL5 (2.6)	C2orf16 (2.5)
PPIP5K1 (2.1)	MAU2 (1.7)
SLC22A3 (1.8)	NEIL2 (1.7)
C11orf49 (2.1)	DDB2 (1.9)
PIGV (1.6)	KLF14 (1.6)
ENSG00000226645 (2	ZNF664 (2.1)

TRIM54 (1.6)	UCN (1.5)
TMED5 (1.4)	ENSG00000222035 (1
CCDC92 (1.9)	PAFAH1B2 (1.9)
SLC5A6 (1.9)	TECTB (1.8)
DNAJC5G (1.8)	COBLL1 (1.8)
TRIM54 (1.8)	PMFBP1 (1.8)
ENSG00000234945 (2	CATSPER2 (2.0)
ENSG00000222035 (1	SLC22A3 (1.5)
EIF3J (2.3)	C2orf28 (1.9)
EIF3J (2.3)	C2orf28 (1.9)
C11orf9 (1.7)	ENSG00000236827 (1
ENSG00000256746 (1	NEIL2 (1.8)
RASIP1 (2.1)	COBLL1 (1.9)
SPG11 (2.2)	INTS10 (2.1)
ENSG00000223745 (1	NCAN (1.6)
AGBL5 (1.6)	CAD (1.6)
SFN (1.5)	C1QTNF4 (1.4)
C8orf12 (1.8)	CCDC92 (1.7)
RFX4 (1.6)	FUT1 (1.6)
DR1 (1.9)	BAZ1B (1.9)
SPG11 (2.1)	FUT2 (2.0)
GATAD2A (1.7)	BUD13 (1.7)
ZNF259 (2.4)	ZNF513 (2.1)
FAM167A (1.7)	IFT172 (1.7)
MPP3 (1.9)	ARHGAP1 (1.7)
CKAP5 (1.8)	MADD (1.7)
MPP2 (1.4)	ENSG00000236267 (1
PPIP5K1 (2.0)	ENSG00000200241 (1
TRIB1 (1.4)	ENSG00000200241 (1
ENSG00000223522 (1	HDAC5 (1.5)
ENSG00000223522 (1	HDAC5 (1.5)
TP53BP1 (2.2)	SPG11 (2.2)
TSSK6 (2.2)	ENSG00000235545 (2
ARFGAP2 (2.1)	MTCH2 (2.1)
SDCBP (1.8)	TMEM101 (1.8)
MTF2 (1.9)	NSMAF (1.9)
VEGFA (1.3)	CITED2 (1.2)
C11orf9 (2.2)	NR0B2 (2.2)
LINC00208 (1.8)	ENSG00000226645 (1
FADS1 (1.4)	CBLC (1.4)
AMBRA1 (2.1)	BAZ1B (2.1)
FRMD5 (1.6)	DPYSL5 (1.6)
MAU2 (2.3)	PPIP5K1 (1.8)
ENSG00000223745 (2	KRTCAP3 (2.0)
C2orf28 (2.0)	SUMO1 (1.8)
C2orf28 (2.0)	SUMO1 (1.8)
LPAR2 (2.1)	FNDC4 (2.1)
TUBGCP4 (1.8)	MRPL35 (1.7)
GPN1 (2.6)	CAD (2.6)
BAZ1B (2.4)	PTCD3 (2.3)

SUGP1 (2.1)	CLPTM1 (2.0)
TMEM101 (2.0)	KDM3A (1.8)
C2orf28 (1.8)	PLA2G6 (1.8)
ENSG00000256731 (1	PYY (1.6)
SUMO1 (2.1)	ZNF664 (2.1)
C8orf49 (1.8)	TP53BP1 (1.7)
KDM3A (1.5)	CYP26A1 (1.5)
GMIP (1.9)	GATAD2A (1.9)
MAPK10 (2.3)	DPYSL5 (2.3)
PPIP5K1 (1.9)	MAU2 (1.7)
BUD13 (2.0)	PCIF1 (2.0)
C1QTNF4 (2.2)	MPP2 (2.1)
SIK3 (1.8)	BCAM (1.8)
IFT172 (1.9)	SUPT7L (1.9)
ZNF513 (2.1)	EIF3J (2.1)
ZNF513 (2.1)	EIF3J (2.1)
ABO (1.6)	SUPT7L (1.5)
MPP3 (1.9)	CKAP5 (1.7)
MRPL33 (2.1)	ABO (2.0)
MAPK10 (1.7)	DNAJC5G (1.7)
PGS1 (1.7)	G6PC3 (1.5)
NR1H3 (1.2)	ENSG00000236267 (1
C11orf49 (1.4)	SUMO1 (1.4)
SOST (2.2)	FZD9 (2.1)
PCSK7 (1.8)	ZDHHC18 (1.5)
PCSK7 (1.8)	ZDHHC18 (1.5)
PPIP5K1 (2.6)	NR0B2 (1.6)
MRPL35 (2.1)	SNX17 (2.0)
MTF2 (2.4)	GPN1 (2.3)
RSPO3 (1.6)	EMILIN1 (1.6)
ATG13 (2.0)	BRE (2.0)
ATG13 (2.0)	BRE (2.0)
C8orf49 (2.0)	TP53BP1 (1.7)
PTPN13 (1.6)	C8orf12 (1.5)
MRPL35 (2.6)	PDIA3 (2.2)
FGF21 (1.6)	RBKS (1.5)
PBX4 (1.6)	IZUMO1 (1.6)
ARID1A (2.3)	MTF2 (2.1)
STRC (1.7)	DPYSL5 (1.5)
NEIL2 (1.5)	KBTBD4 (1.4)
NUP160 (2.0)	MAMSTR (1.8)
GATAD2A (1.7)	TECTB (1.7)
FRMD5 (1.9)	HAVCR1 (1.8)
FNDC4 (1.9)	CBLC (1.7)
PPIP5K1 (2.3)	MAU2 (1.6)
PPIP5K1 (2.3)	MAU2 (1.6)
PPIP5K1 (2.3)	MAU2 (1.6)
USP1 (1.7)	CTDSPL2 (1.7)
TP53BP1 (2.1)	UCN (1.9)
INTS10 (2.8)	MRPL33 (2.3)

ENSG00000226645 (1	CHMP3 (1.5)
ENSG00000179523 (2	NUP160 (2.3)
ZNF259 (1.5)	IMMT (1.4)
ZNF259 (1.5)	IMMT (1.4)
ZNF259 (1.5)	IMMT (1.4)
ZNF259 (1.5)	IMMT (1.4)
EIF2B4 (2.1)	POLR1A (2.0)
PAFAH1B2 (2.0)	AMBRA1 (2.0)
PAFAH1B2 (1.9)	NDUFS3 (1.8)
CCDC92 (2.1)	COBLL1 (2.1)
ZNF259 (1.4)	UCN (1.3)
NUP160 (2.8)	BRE (2.8)
GATAD2A (1.6)	C11orf9 (1.6)
VEGFA (1.8)	STRC (1.8)
SIDT2 (1.5)	ENSG00000255020 (1
FZD9 (2.0)	ENSG00000182329 (1
FRMD5 (1.5)	MPP3 (1.5)
GPN2 (2.5)	KBTBD4 (2.3)
PMFBP1 (1.5)	C17orf105 (1.5)
NUP160 (2.3)	BRE (2.2)
SUPT7L (2.1)	IFT172 (2.0)
DOCK7 (1.9)	PTPN13 (1.8)
CYP26A1 (1.4)	PLTP (1.4)
DNAJC5G (2.0)	KRTCAP3 (2.0)
HAVCR1 (1.6)	TECTB (1.5)
NSMAF (1.8)	ZNF259 (1.8)
BAZ1B (2.3)	MFAP1 (2.1)
ZNF512 (1.8)	CTDSPL2 (1.8)
C2orf28 (2.7)	PTPMT1 (2.6)
ABO (1.9)	EPB41L3 (1.8)
ENSG00000254235 (2	ENSG00000222035 (2
ENSG00000257711 (1	C8orf12 (1.6)
ENSG00000253379 (1	FZD9 (1.5)
NUP160 (2.4)	JMJD1C (2.3)
GMIP (2.0)	CHMP3 (1.9)
STRC (2.2)	HAPLN4 (2.2)
PMFBP1 (1.7)	C11orf9 (1.6)
DR1 (2.0)	ENSG00000236827 (1
PPIP5K1 (1.9)	MYBPC3 (1.8)
TUBGCP4 (1.5)	USP1 (1.4)
PAFAH1B2 (1.8)	UBXN2B (1.7)
LRP4 (1.7)	ENSG00000254235 (1
MAP1A (2.0)	TBL2 (2.0)
CHMP3 (1.9)	SLC30A3 (1.7)
SDCBP (1.9)	CATSPER2 (1.7)
NFE2L3 (1.6)	GMIP (1.5)
MPP3 (2.0)	DPYSL5 (2.0)
MPP3 (2.0)	DPYSL5 (2.0)
KHK (2.1)	UBXN2B (2.0)
TOMM40 (2.3)	DHX38 (2.1)

C2orf28 (1.8)	TMEM175 (1.8)
KRTCAP3 (1.4)	PMFBP1 (1.4)
PYY (1.6)	TMEM175 (1.6)
MTF2 (2.2)	MFAP1 (2.2)
ZNF408 (1.9)	UCN (1.9)
MPP3 (1.8)	NCAN (1.6)
MPP3 (1.8)	NCAN (1.6)
MPP3 (1.8)	NCAN (1.6)
MLXIPL (1.8)	RSPO3 (1.8)
AGBL5 (1.5)	ABHD1 (1.5)
MPP3 (1.6)	RSPO3 (1.4)
ZNF512 (1.7)	CELF1 (1.6)
ENSG00000234945 (1	RSPO3 (1.8)
CASC4 (1.8)	INTS10 (1.7)
CASC4 (1.8)	INTS10 (1.7)
CASC4 (1.8)	INTS10 (1.7)
CASC4 (1.8)	INTS10 (1.7)
ENSG00000236827 (1	ENSG00000235545 (1
PPIP5K1 (2.4)	MAU2 (1.6)
ENSG00000223745 (1	PAFAH1B2 (1.6)
BCL7B (2.1)	ENSG00000200241 (2
MPV17 (1.6)	DR1 (1.6)
BAZ1B (2.1)	PPM1G (2.1)
KBTBD4 (2.3)	GPN1 (2.3)
PPIP5K1 (2.2)	MAU2 (1.7)
ZDHHC18 (1.7)	NR1H3 (1.6)
MTF2 (3.0)	ZNF512 (2.1)
JMJD1C (2.1)	SLC22A3 (2.0)
SNX17 (1.8)	GMIP (1.7)
TP53BP1 (2.1)	RSPO3 (2.0)
SUPT7L (2.4)	JMJD1C (2.3)
BRE (1.3)	APOC1 (1.2)
BRE (1.3)	APOC1 (1.2)
BRE (1.3)	APOC1 (1.2)
BRE (1.3)	APOC1 (1.2)
LPAL2 (1.7)	ZNF259 (1.7)
FAM167A (1.6)	ENSG00000182319 (1
ENSG00000200241 (2	KDM3A (1.9)
POLR1A (2.0)	PTCD3 (2.0)
LRP4 (2.0)	ENSG00000182319 (2
SLC5A6 (1.4)	C11orf9 (1.4)
CASC4 (2.1)	CHMP3 (2.0)
CCDC18 (2.5)	C2orf53 (2.3)
PCSK7 (1.7)	C2orf16 (1.6)
PCSK7 (1.7)	C2orf16 (1.6)
C17orf105 (2.0)	DPYSL5 (2.0)
CTSB (1.6)	LSM12 (1.5)
C2orf28 (2.0)	GCKR (1.7)
ENSG00000255020 (1	ENSG00000254235 (1
APOE (1.9)	CHMP3 (1.9)

IZUMO1 (2.0)	AGBL2 (2.0)
MRPL35 (2.3)	MRPL33 (2.2)
CETP (1.3)	INTS10 (1.2)
BLK (1.7)	BRE (1.6)
ZNF259 (1.5)	ARID1A (1.4)
CTSB (1.2)	C8orf12 (1.2)
IFT172 (1.7)	GPN2 (1.7)
IFT172 (1.7)	GPN2 (1.7)
IFT172 (1.7)	GPN2 (1.7)
NOP58 (1.9)	EIF2B4 (1.9)
LSM12 (2.2)	HDAC5 (2.1)
DPYSL5 (1.4)	MAPK10 (1.4)
MLXIPL (1.9)	RSPO3 (1.9)
CCDC121 (1.9)	LRP4 (1.7)
TXNL4B (2.7)	TMED5 (2.6)
TXNL4B (2.7)	TMED5 (2.6)
STRC (1.6)	MAPRE3 (1.6)
GATA4 (1.6)	C8orf49 (1.5)
RIC8B (1.9)	DNAJC5G (1.7)
UBXN2B (1.7)	SUGP1 (1.7)
MPV17 (1.9)	SNX17 (1.8)
MPV17 (1.9)	SNX17 (1.8)
DNAJC5G (1.4)	AGBL5 (1.4)
GTF3C2 (1.3)	GATA4 (1.2)
TRIM54 (1.4)	MAPRE3 (1.4)
IGF2R (2.2)	POLR1A (2.1)
CASC4 (1.4)	MRPL35 (1.4)
CASC4 (2.2)	ATG4C (2.2)
DR1 (2.1)	DOCK7 (2.1)
SLC5A6 (1.8)	MAP1A (1.6)
PPIP5K1 (2.2)	MAU2 (1.7)
APOA1 (2.2)	MYBPC3 (1.6)
KDM3A (2.4)	CELF1 (2.2)
MPV17 (1.8)	CSGALNACT1 (1.8)
TBL2 (2.5)	ENSG00000222035 (2
MTF2 (3.0)	MFAP1 (2.5)
ENSG00000223745 (1	ZNF513 (1.8)
NAGS (2.0)	C11orf49 (2.0)
TRNP1 (2.4)	STRC (2.4)
TRNP1 (1.6)	TUBGCP4 (1.5)
APOE (2.2)	MTCH2 (2.0)
PBX4 (1.4)	MPP2 (1.3)
MPP3 (1.8)	MAP1A (1.7)
SUMO1 (2.4)	LSM12 (2.3)
ZNF512 (2.4)	CCDC18 (1.9)
NFE2L3 (1.6)	PIGV (1.6)
TRIM54 (1.6)	RASIP1 (1.6)
ZNF512 (2.0)	TUBGCP4 (1.9)
TP53BP1 (1.7)	C11orf49 (1.7)
CASC4 (2.2)	ENSG00000254235 (2

MPP2 (1.9)	FAM167A (1.9)
C8orf12 (1.8)	CSGALNACT1 (1.7)
ZNF408 (2.0)	AFF1 (1.9)
ZNF408 (2.0)	AFF1 (1.9)
ANGPTL4 (2.3)	HAPLN4 (1.9)
GATA4 (2.5)	DUSP3 (2.2)
ARID1A (2.2)	RIC8B (2.2)
MTMR9 (1.6)	DNAJC5G (1.5)
EIF2B4 (1.9)	TOMM40 (1.8)
EIF2B4 (1.9)	TOMM40 (1.8)
NAT2 (1.8)	NRBF2 (1.8)
MPP3 (1.8)	ZNF408 (1.7)
ZNF664 (1.6)	DPYSL5 (1.5)
PPIP5K1 (2.8)	SUPT7L (2.7)
SPG11 (1.8)	STRC (1.8)
SUPT7L (2.4)	BUD13 (2.3)
CGREF1 (1.8)	COBLL1 (1.8)
DOCK7 (1.8)	TMEM175 (1.8)
EIF3J (1.9)	C8orf12 (1.9)
SLC30A3 (2.1)	PPIP5K1 (2.1)
DHODH (1.9)	PGS1 (1.8)
NSMAF (2.1)	NUP160 (2.0)
SUPT7L (2.0)	IFT172 (1.9)
BUD13 (1.5)	KLF14 (1.3)
MAPK10 (2.3)	ENSG00000257711 (2
USP1 (2.3)	GPN2 (2.1)
REEP3 (1.8)	JMJD1C (1.7)
ENSG00000179523 (1	GPN2 (1.8)
CGREF1 (1.5)	PLA2G6 (1.5)
MTF2 (2.2)	CAD (1.9)
NRBP1 (1.7)	C11orf9 (1.7)
KHK (1.6)	TAGLN (1.6)
CAD (2.4)	TXNL4B (2.2)
NEIL2 (2.2)	BUD13 (2.2)
CSGALNACT1 (2.0)	DHX38 (1.7)
CYP26A1 (1.8)	FRMD5 (1.7)
PPIP5K1 (2.0)	MAU2 (1.9)
HARBI1 (2.3)	SUGP1 (2.2)
CTDSPL2 (2.6)	AGBL5 (1.9)
DPYSL5 (1.7)	FUT2 (1.6)
FADS1 (2.5)	PPM1G (2.4)
MPV17 (2.1)	MADD (2.1)
PPM1G (2.4)	CAD (2.1)
VEGFA (2.7)	CAD (2.6)
STRC (2.0)	DPYSL5 (2.0)
REEP1 (2.0)	ENSG00000255020 (1
UCN (1.6)	USP1 (1.6)
C1QTNF4 (2.1)	TSSK6 (2.1)
PPIP5K1 (1.9)	SNX17 (1.9)
MTMR9 (1.9)	SLC5A6 (1.8)

ZNF664 (2.3)	BAZ1B (2.1)
CELF1 (2.0)	UCN (2.0)
IGF2R (1.6)	KANK2 (1.4)
ENSG00000179523 (2	DUSP3 (1.9)
UBXN2B (1.7)	ZNF512 (1.6)
DOCK7 (1.7)	NRBF2 (1.6)
CCDC121 (1.8)	MAMSTR (1.8)
FEN1 (1.8)	GATAD2A (1.7)
MAPK10 (2.4)	CHMP3 (2.2)
TMEM214 (2.2)	OST4 (2.1)
PAFAH1B2 (1.5)	ANGPTL4 (1.5)
TXNL4B (2.0)	NEIL2 (1.9)
UBXN2B (1.8)	BAZ1B (1.8)
ARID1A (1.8)	ZDHHC18 (1.7)
WDR76 (1.8)	ZNF335 (1.5)
NR1H3 (1.7)	ENSG00000236827 (1
DDB2 (2.4)	OST4 (2.4)
RBKS (1.7)	MAPK10 (1.6)
PACSIN3 (2.0)	STRC (2.0)
TUBGCP4 (1.8)	LPL (1.8)
BCAM (2.0)	PPIP5K1 (2.0)
EIF3J (3.0)	PDIA3 (2.9)
TMEM175 (2.0)	DPYSL5 (2.0)
ATP13A1 (1.4)	STRC (1.3)
KBTBD4 (2.0)	EIF2B4 (2.0)
ATG13 (2.5)	SPG11 (2.5)
ENSG00000235545 (1	LPL (1.2)
CCDC92 (2.0)	PMFBP1 (1.7)
SUGP1 (1.8)	EIF3J (1.8)
SDC1 (1.6)	BNC2 (1.6)
CELF1 (1.8)	TRNP1 (1.8)
CGREF1 (2.7)	ZNF335 (2.5)
GATA4 (2.3)	MPP3 (2.2)
ENSG00000256746 (1	TXNL4B (1.7)
C2orf28 (2.1)	SNX17 (1.9)
GATAD2A (1.8)	C8orf12 (1.8)
PLTP (2.0)	ZNF664 (2.0)
PLTP (2.0)	ZNF664 (2.0)
CHMP3 (2.0)	MAPRE3 (2.0)
FNBP4 (1.7)	SLC22A1 (1.7)
ENSG00000223745 (2	RIC8B (2.1)
SUPT7L (2.0)	DHX38 (1.9)
SNX17 (1.7)	FGF21 (1.6)
SIDT2 (1.6)	HAVCR1 (1.6)
APOE (2.3)	MAPK10 (2.1)
ARID1A (2.1)	BCL7B (2.1)
ARID1A (2.1)	BCL7B (2.1)
C17orf105 (1.8)	GALNT2 (1.8)
C17orf105 (1.8)	GALNT2 (1.8)
ENSG00000236827 (2	KBTBD4 (2.0)

CAD (2.3)	TUBGCP4 (2.1)
C1orf172 (1.7)	PLA2G6 (1.6)
LPAL2 (1.6)	FUT2 (1.5)
KDM3A (2.5)	SUPT7L (2.4)
GPN2 (2.3)	BAZ1B (2.3)
CATSPER2 (1.8)	MAU2 (1.8)
CATSPER2 (1.8)	MAU2 (1.8)
GCKR (1.2)	REEP1 (1.2)
IFT172 (1.4)	ENSG00000256731 (1
ABHD1 (1.5)	OST4 (1.5)
CCDC92 (1.9)	TSSK6 (1.9)
NRBP1 (2.2)	PDIA3 (2.2)
ENSG00000236827 (1	DDB2 (1.6)
SUMO1 (1.2)	BRE (1.2)
UBXN2B (1.6)	ZNF512 (1.6)
BUD13 (1.9)	AMBRA1 (1.7)
HDAC5 (1.9)	MPP2 (1.9)
KBTBD4 (2.1)	C2orf28 (2.0)
CSGALNACT1 (1.8)	ZNF335 (1.6)
POLR1A (2.1)	CCDC121 (1.9)
NUP160 (1.3)	PBX4 (1.3)
PBX4 (1.3)	SUMO1 (1.2)
CYP26A1 (2.0)	SOST (1.9)
PTPMT1 (2.3)	DHODH (2.3)
PPM1G (1.7)	CCDC121 (1.7)
SUGP1 (1.7)	EIF3J (1.6)
EIF2B4 (1.9)	C11orf49 (1.9)
FZD9 (1.8)	SOST (1.7)
FRMD5 (2.0)	CELF1 (1.9)
TMED5 (2.5)	TMEM214 (2.4)
ENSG00000254235 (1	CILP2 (1.6)
ABO (1.5)	NAGS (1.5)
APOE (1.7)	BRE (1.6)
NEIL2 (1.9)	SUMO1 (1.9)
STRC (1.7)	MAU2 (1.6)
TUBGCP4 (1.9)	EIF2B4 (1.8)
LPAL2 (1.2)	MRPL33 (1.2)
PYY (1.7)	PPY (1.7)
NRBP1 (1.7)	RIC8B (1.7)
AGBL5 (1.9)	UBXN2B (1.9)
GATAD2A (1.9)	HAPLN4 (1.7)
REEP3 (1.6)	C1QTNF4 (1.6)
FNBP4 (1.5)	HARBI1 (1.5)
UBXN2B (2.1)	MAP1A (2.1)
DNAH10 (1.6)	ENSG00000253379 (1
ATG4C (1.6)	FNDC4 (1.6)
C17orf105 (1.7)	FUT2 (1.5)
C17orf105 (1.7)	FUT2 (1.5)
HDAC5 (1.6)	ENSG00000223745 (1
SUMO1 (1.9)	USP1 (1.9)

SUGP1 (2.0)	TDH (1.9)
ARID1A (1.6)	BAZ1B (1.5)
PVRL2 (1.7)	ENSG00000234945 (1
FAM167A (2.1)	ENSG00000179523 (1
GPN2 (1.7)	ENSG00000236267 (1
TP53BP1 (2.0)	UCN (2.0)
SUGP1 (1.7)	WDR76 (1.7)
ARID1A (1.6)	RIC8B (1.6)
KDM3A (1.8)	ARID1A (1.8)
ATP13A1 (1.7)	BRE (1.7)
SNX17 (2.0)	ENSG00000256731 (2
SNX17 (2.0)	ENSG00000256731 (2
SNX17 (2.0)	ENSG00000256731 (2
SNX17 (2.0)	ENSG00000256731 (2
SNX17 (2.0)	ENSG00000256731 (2
SNX17 (2.0)	ENSG00000256731 (2
ENSG00000255020 (1	FUT1 (1.6)
TSSK6 (1.9)	DUSP3 (1.9)
ENSG00000234945 (1	SLC5A6 (1.7)
CHMP3 (1.4)	CELF1 (1.3)
UCN (1.8)	NCAN (1.8)
CHMP3 (2.0)	MPP3 (2.0)
MAU2 (2.1)	SUPT7L (2.1)
GTF3C2 (1.9)	MAU2 (1.6)
DNAJC5G (1.9)	ENSG00000223522 (1
ENSG00000256731 (1	DPYSL5 (1.5)
GPN1 (1.7)	SNX17 (1.7)
ANGPTL4 (1.7)	VEGFA (1.7)
ENSG00000200241 (1	IZUMO1 (1.7)
MAP1A (1.8)	C11orf49 (1.7)
PAFAH1B2 (2.1)	MAU2 (2.1)
ENSG00000236267 (1	BNC2 (1.5)
FNDC4 (1.7)	MAPRE3 (1.7)
PYY (1.3)	TUBGCP4 (1.3)
CITED2 (1.5)	WDR76 (1.5)
DHODH (2.1)	CELF1 (2.1)
ENSG00000222035 (2	DNAH10 (2.0)
BCAM (2.0)	REEP1 (2.0)
DOCK7 (1.5)	PPM1G (1.5)
IMMT (1.8)	BRE (1.8)
AGBL5 (1.9)	MAPK10 (1.9)
IMMT (2.1)	BRE (2.0)
CLPTM1 (2.2)	ENSG00000182319 (2
MRPL33 (1.4)	ABHD1 (1.4)
NRBF2 (1.8)	HAVCR1 (1.8)
DPYSL5 (2.1)	CYP26A1 (2.0)
HAVCR1 (1.9)	C11orf49 (1.8)
LPAL2 (1.5)	C1QTNF4 (1.5)
IMMT (2.1)	CAD (2.1)
ENSG00000235545 (1	CELF1 (1.6)

ENSG00000235545 (1	CELF1 (1.6)
SLC5A6 (1.7)	TDH (1.6)
TECTB (1.5)	CILP2 (1.5)
PLA2G6 (1.7)	ENSG00000182329 (1
DNAH10 (1.7)	TBL2 (1.7)
REEP3 (1.8)	SIK3 (1.8)
CATSPER2 (2.1)	FGF21 (2.1)
HAPLN4 (1.6)	USP1 (1.6)
HAVCR1 (1.6)	PLA2G6 (1.5)
TMED5 (1.4)	ABHD1 (1.4)
JMJD1C (1.7)	GPAM (1.6)
CELF1 (1.5)	MRPL35 (1.5)
PPIP5K1 (1.8)	ENSG00000200241 (1
CTDSPL2 (2.2)	CKAP5 (2.1)
CASC4 (2.1)	BUD13 (2.1)
FRMD5 (1.6)	RIC8B (1.6)
CAD (2.1)	MFAP1 (1.8)
PPIP5K1 (1.8)	PTCD3 (1.7)
SLC30A3 (2.0)	DPYSL5 (2.0)
DOCK7 (1.9)	CCDC92 (1.9)
FNBP4 (1.8)	PAFAH1B2 (1.8)
KBTBD4 (1.9)	SNX17 (1.9)
KBTBD4 (1.9)	SNX17 (1.9)
MTF2 (2.8)	ENSG00000235545 (2
HAVCR1 (1.9)	TXNL4B (1.8)
MTMR9 (1.8)	SDCBP (1.8)
ATP13A1 (1.8)	CLPTM1 (1.6)
ENSG00000200241 (1	FAM167A (1.3)
NRBP1 (1.8)	SLC30A3 (1.7)
GATA4 (1.7)	CASC4 (1.7)
CATSPER2 (2.3)	ENSG00000179523 (2
SUPT7L (2.0)	IFT172 (2.0)
SLC30A3 (1.4)	C2orf53 (1.4)
ENSG00000255020 (1	ENSG00000182319 (1
ENSG00000253379 (1	CD300LG (1.6)
SUGP1 (2.4)	NSMAF (2.4)
TP53BP1 (1.8)	MPP2 (1.7)
SLC30A3 (2.1)	DUSP3 (2.1)
USP1 (1.8)	MAU2 (1.7)
AGBL2 (1.6)	COBLL1 (1.5)
JMJD1C (1.8)	PTPMT1 (1.7)
ZNF408 (2.0)	ARFGAP2 (2.0)
GATAD2A (2.1)	ARID1A (2.1)
MRPL35 (2.0)	PCSK7 (1.8)
CLPTM1 (2.2)	C1QTNF4 (2.0)
BUD13 (2.3)	KDM3A (2.2)
BAZ1B (2.5)	CAD (2.4)
TUBGCP4 (1.6)	CHMP3 (1.6)
PTCD3 (1.8)	CAD (1.8)
TRNP1 (2.0)	TRIM54 (1.9)

C1QTNF4 (2.1)	CITED2 (1.9)
WDR76 (1.6)	SUGP1 (1.6)
DUSP3 (2.0)	BRE (1.9)
C2orf28 (1.7)	CTSB (1.6)
EIF2B4 (2.1)	AGBL5 (2.1)
GTF3C2 (2.1)	DHODH (2.0)
FRMD5 (1.8)	APOC1 (1.7)
ENSG00000256746 (2	FNDC4 (2.0)
PLA2G6 (1.9)	EMILIN1 (1.9)
SUMO1 (2.1)	OST4 (2.0)
SUMO1 (2.1)	OST4 (2.0)
CASC4 (1.3)	ENSG00000234945 (1
PDIA3 (2.2)	EIF3J (2.1)
SFN (1.2)	LPAR2 (1.1)
APOE (1.3)	CITED2 (1.3)
LPAL2 (1.9)	PMFBP1 (1.8)
NRBP1 (2.3)	ARHGAP1 (2.0)
RBKS (1.7)	SPG11 (1.5)
CTDSPL2 (2.1)	DDB2 (2.1)
MRPL35 (2.1)	SUMO1 (2.1)
MRPL35 (2.1)	SUMO1 (2.1)
HAPLN4 (1.7)	ZNF408 (1.7)
CILP2 (1.8)	ENSG00000223522 (1
CD300LG (1.8)	BLK (1.7)
TMEM101 (1.8)	GPN2 (1.7)
NSMAF (2.0)	MADD (2.0)
MYBPC3 (2.0)	CGREF1 (2.0)
RBKS (2.0)	PLTP (1.8)
REEP1 (1.7)	GATA4 (1.7)
KDM3A (1.9)	DR1 (1.8)
DDB2 (1.6)	ENSG00000236827 (1
HARBI1 (2.1)	MRPL35 (2.1)
GTF3C2 (1.8)	NUP160 (1.7)
CASC4 (1.9)	NEIL2 (1.8)
PYY (1.9)	ANGPTL4 (1.8)
REEP1 (2.1)	DPYSL5 (2.1)
ATG13 (1.6)	ARHGAP1 (1.6)
REEP1 (1.8)	ENSG00000236827 (1
BCL7B (2.5)	HARBI1 (2.4)
CCDC121 (1.5)	SLC30A3 (1.5)
C17orf105 (1.6)	CD300LG (1.6)
NEIL2 (2.3)	IGF2R (2.2)
ZDHHC18 (1.6)	DUSP3 (1.6)
PLTP (1.6)	C11orf9 (1.5)
SUMO1 (1.9)	C11orf49 (1.9)
MYBPC3 (1.5)	PVRL2 (1.5)
CD300LG (2.0)	MYBPC3 (1.9)
CD300LG (2.0)	MYBPC3 (1.9)
SUMO1 (2.1)	USP1 (2.1)
USP1 (2.2)	INTS10 (2.1)

DHX38 (2.2)	WDR76 (2.0)
DHX38 (2.2)	WDR76 (2.0)
UCN (1.7)	RIC8B (1.6)
TP53BP1 (1.3)	C17orf105 (1.3)
MAMSTR (1.8)	TSSK6 (1.8)
NCAN (1.6)	DNAH10 (1.6)
MRPL35 (2.1)	ENSG00000256731 (1
DOCK7 (1.4)	C2orf28 (1.3)
C2orf16 (1.8)	MTCH2 (1.7)
C11orf49 (1.9)	STRC (1.8)
ATP13A1 (1.6)	AMBRA1 (1.6)
CTSB (2.0)	UCN (1.9)
HAVCR1 (1.9)	PLA2G6 (1.9)
CAD (2.2)	NOP58 (2.2)
PBX4 (2.2)	FRMD5 (2.0)
C11orf9 (2.0)	ATG13 (1.8)
C11orf9 (2.0)	ATG13 (1.8)
MAP1A (1.9)	MPP2 (1.9)
CATSPER2 (2.3)	C11orf49 (2.1)
MPP3 (1.7)	UCN (1.7)
TSSK6 (1.6)	SOST (1.4)
SIDT2 (2.1)	TMEM175 (2.1)
BNC2 (1.4)	ENSG00000256746 (1
DDB2 (2.1)	CKAP5 (2.1)
AGBL5 (2.1)	PACSIN3 (2.0)
DHX38 (1.9)	HARBI1 (1.8)
LPA (1.6)	SIK3 (1.5)
MPP2 (2.0)	DNAJC5G (1.9)
MRPL33 (2.0)	ZNF512 (2.0)
MRPL35 (1.6)	DDB2 (1.6)
FNBP4 (1.6)	CTDSPL2 (1.5)
FNBP4 (1.6)	CTDSPL2 (1.5)
SLC30A3 (2.5)	ENSG00000256746 (2
CASC4 (1.9)	ENSG00000223522 (1
ENSG00000234945 (1	CASC4 (1.7)
WDR76 (1.8)	PPIP5K1 (1.6)
MLXIPL (1.8)	CELF1 (1.7)
C1QTNF4 (1.8)	REEP1 (1.7)
MADD (2.0)	DPYSL5 (1.9)
TXNL4B (1.7)	HAVCR1 (1.6)
PTPN13 (2.1)	CCDC121 (2.1)
SIK3 (1.7)	APOC1 (1.6)
TSSK6 (1.9)	ABO (1.8)
ENSG00000226645 (1	PYY (1.3)
NEIL2 (1.6)	ENSG00000256731 (1
DR1 (1.7)	PLA2G6 (1.7)
PTPMT1 (2.4)	MPV17 (1.9)
PAFAH1B2 (1.4)	CILP2 (1.4)
ENSG00000226645 (1	PMFBP1 (1.5)
HARBI1 (2.2)	GPN1 (2.2)

PIGV (1.8)	NRBF2 (1.7)
CKAP5 (2.0)	FDFT1 (1.8)
NRBF2 (2.5)	NRBP1 (2.5)
IGF2R (1.9)	ABHD1 (1.8)
CELF1 (2.2)	TSSK6 (2.0)
C17orf105 (1.5)	JMJD1C (1.5)
MRPL35 (2.3)	LSM12 (2.2)
C1QTNF4 (2.4)	MAPRE3 (2.1)
MRPL35 (1.6)	TDH (1.6)
MTMR9 (2.0)	ZNF664 (1.9)
MTMR9 (2.0)	ZNF664 (1.9)
MTMR9 (2.0)	ZNF664 (1.9)
C1QTNF4 (1.6)	SUPT7L (1.6)
ZNF512 (1.5)	TMEM175 (1.5)
NSMAF (2.0)	SUMO1 (1.9)
CITED2 (1.5)	PIGV (1.5)
ZNF512 (2.0)	PREB (1.9)
MLXIPL (1.9)	C1QTNF4 (1.9)
ENSG00000256746 (1	ENSG00000234945 (1
PMFBP1 (1.7)	CGREF1 (1.5)
MAP1A (1.9)	RFX4 (1.7)
ENSG00000256746 (1	LPAL2 (1.6)
FRMD5 (1.9)	PBX4 (1.8)
BAZ1B (2.5)	IMMT (2.3)
SNX17 (1.7)	TMEM175 (1.7)
ENSG00000182319 (1	ENSG00000182329 (1
NAT2 (1.8)	SIK3 (1.8)
BRE (2.1)	C1orf172 (2.0)
FRMD5 (1.7)	TSSK6 (1.7)
DHX38 (1.9)	TP53BP1 (1.8)
MFAP1 (1.7)	CCDC18 (1.6)
PTCD3 (2.1)	CGREF1 (2.0)
JMJD1C (1.9)	MADD (1.9)
CATSPER2 (1.8)	MTMR9 (1.6)
PCIF1 (1.8)	GTF3C2 (1.8)
SFN (1.8)	SLC30A3 (1.7)
GPN2 (1.9)	NOP58 (1.9)
PMFBP1 (1.4)	HARBI1 (1.4)
SPG11 (1.8)	CASC4 (1.8)
PTPRJ (1.8)	RASIP1 (1.7)
ENSG00000253379 (1	PLTP (1.6)
CCDC92 (2.0)	GMIP (2.0)
ARFGAP2 (2.0)	HARBI1 (2.0)
BMPR2 (1.7)	CCDC92 (1.7)
SNX17 (2.4)	TXNL4B (2.3)
KBTBD4 (2.0)	SUMO1 (2.0)
PTPRJ (1.7)	TECTB (1.7)
AGBL2 (2.3)	AGBL5 (2.2)
PMFBP1 (1.7)	C11orf49 (1.7)
SIK3 (1.6)	PCSK7 (1.6)

C11orf49 (1.8)	CATSPER2 (1.8)
GPN1 (2.0)	NOP58 (1.8)
TAGLN (2.2)	EPB41L3 (2.1)
SIK3 (2.0)	CCDC92 (1.8)
DDB2 (2.5)	C11orf49 (2.3)
PPM1G (2.0)	DOCK7 (2.0)
MPP2 (1.5)	NEIL2 (1.5)
MFAP1 (2.0)	KDM3A (1.9)
ZNF259 (2.7)	SUGP1 (2.7)
NRBP1 (2.0)	EIF3J (1.9)
GATA4 (1.6)	CITED2 (1.5)
PLA2G6 (2.1)	TMEM101 (2.1)
SOST (1.8)	MADD (1.8)
SUMO1 (2.0)	PAFAH1B2 (2.0)
C1QTNF4 (1.7)	TDH (1.6)
NCAN (2.2)	TRIM54 (2.0)
LPL (1.9)	MAMSTR (1.7)
ZNF259 (1.4)	INTS10 (1.1)
INTS10 (2.0)	NSMAF (1.9)
EIF2B4 (2.1)	USP1 (2.1)
ZNF512 (2.2)	TUBGCP4 (2.1)
DNAJC5G (1.5)	ATG4C (1.5)
ABHD1 (1.7)	MAPRE3 (1.7)
C11orf9 (1.5)	NRBF2 (1.4)
C11orf9 (1.5)	NRBF2 (1.4)
CCDC92 (1.4)	ENSG00000182319 (1
CCDC121 (2.4)	IZUMO1 (2.0)
CCDC121 (2.4)	IZUMO1 (2.0)
PDIA3 (1.4)	MPP3 (1.4)
REEP3 (1.6)	C8orf12 (1.6)
NCAN (2.2)	C11orf9 (2.2)
HAVCR1 (2.1)	PCSK7 (2.0)
CASC4 (1.7)	HAVCR1 (1.6)
SOST (1.8)	KANK2 (1.7)
MAU2 (1.9)	ATG4C (1.9)
GTF3C2 (2.6)	TUBGCP4 (2.5)
EIF2B4 (1.9)	CTDSPL2 (1.8)
DUSP3 (2.4)	MTMR9 (2.0)
TBL2 (1.8)	C17orf105 (1.7)
ZNF512 (1.6)	CILP2 (1.5)
ZNF512 (1.6)	CILP2 (1.5)
ZNF512 (1.6)	CILP2 (1.5)
NCAN (1.7)	C19orf80 (1.7)
CSGALNACT1 (1.9)	PPIP5K1 (1.9)
CHMP3 (1.9)	C2orf53 (1.8)
FNDC4 (2.2)	C1QTNF4 (2.1)
IZUMO1 (2.3)	CASC4 (2.3)
ZNF259 (1.7)	SUMO1 (1.6)
CATSPER2 (2.1)	RIC8B (1.8)
BUD13 (1.6)	HARBI1 (1.6)

MRPL35 (1.9)	AGBL2 (1.9)
C1QTNF4 (2.2)	TECTB (2.1)
C1QTNF4 (2.2)	TECTB (2.1)
TP53BP1 (2.0)	CGREF1 (1.9)
NEIL2 (1.9)	ENSG00000182329 (1
PCIF1 (2.0)	ZNF513 (1.9)
MAPK10 (1.4)	SPG11 (1.4)
MPV17 (1.7)	DNAJC5G (1.6)
MTCH2 (1.8)	MPV17 (1.8)
ZNF664 (1.7)	MRPL33 (1.6)
PPY (2.0)	PIGV (1.9)
GPN1 (2.1)	WDR76 (2.1)
MFAP1 (1.9)	ENSG00000235545 (1
TMEM214 (2.5)	FGF21 (2.4)
ARHGAP1 (1.6)	COBLL1 (1.5)
GATAD2A (1.7)	CELF1 (1.7)
ZNF259 (1.9)	CTDSPL2 (1.9)
ENSG00000255020 (1	C11orf49 (1.7)
SDCBP (2.0)	PTPMT1 (2.0)
PCIF1 (1.6)	CKAP5 (1.5)
COBLL1 (1.5)	CTDSPL2 (1.4)
AGBL5 (2.4)	AGBL2 (2.3)
HARBI1 (1.9)	ENSG00000256731 (1
NRBF2 (2.6)	C11orf49 (2.5)
TXNL4B (2.4)	MFAP1 (2.3)
FADS1 (1.5)	ENSG00000253379 (1
GATAD2A (1.7)	PVRL2 (1.7)
HDAC5 (1.9)	TRNP1 (1.7)
WDR76 (1.6)	APOA4 (1.4)
C8orf12 (1.6)	DPYSL5 (1.5)
UCN (1.6)	ENSG00000226645 (1
SLC5A6 (2.0)	TBL2 (2.0)
TBL2 (1.5)	ENSG00000222035 (1
MAP1A (1.8)	DR1 (1.7)
CSGALNACT1 (1.8)	PVRL2 (1.8)
BCAM (2.1)	ZNF664 (2.0)
CD300LG (1.8)	FAM167A (1.7)
C8orf12 (1.8)	RFX4 (1.8)
TP53BP1 (2.0)	USP1 (1.8)
HAPLN4 (1.6)	DOCK7 (1.5)
ENSG00000223522 (1	PVRL2 (1.5)
MAMSTR (1.7)	CASC4 (1.7)
ENSG00000254235 (1	C17orf105 (1.4)
CATSPER2 (1.6)	ENSG00000257711 (1
MAPK10 (2.2)	C11orf49 (2.2)
BNC2 (1.6)	REEP3 (1.6)
NRBP1 (2.2)	SDCBP (2.0)
AGBL2 (1.6)	ENSG00000234945 (1
ABO (1.9)	C2orf53 (1.8)
KBTBD4 (1.7)	PPM1G (1.7)

ABHD1 (1.7)	CATSPER2 (1.5)
ABHD1 (1.7)	CATSPER2 (1.5)
C8orf12 (1.6)	NFE2L3 (1.5)
BCL7B (2.3)	FRMD5 (2.2)
ENSG00000200241 (1	SLC30A3 (1.6)
ABO (2.2)	GATAD2A (2.2)
DNAJC5G (1.7)	C1QTNF4 (1.7)
BCAM (2.0)	ABO (1.9)
NEIL2 (1.7)	EMILIN1 (1.6)
CETP (1.7)	MAPK10 (1.6)
MTMR9 (2.0)	RIC8B (1.9)
TSSK6 (2.1)	ENSG00000255020 (2
REEP1 (1.8)	GMIP (1.7)
ABCA1 (1.6)	PGS1 (1.6)
C2orf28 (2.1)	PREB (1.9)
CCDC92 (1.9)	MAPRE3 (1.8)
NOP58 (2.4)	NSMAF (2.2)
BRE (2.2)	BAZ1B (2.0)
SUMO1 (1.6)	IZUMO1 (1.6)
SUMO1 (1.6)	IZUMO1 (1.6)
CCDC92 (1.7)	CMIP (1.7)
DHX38 (2.5)	SUPT7L (2.5)
ATG4C (2.4)	NUP160 (2.2)
PCSK7 (1.4)	DNAH10 (1.3)
AGBL5 (1.6)	UBXN2B (1.6)
TUBGCP4 (2.2)	CTDSPL2 (2.2)
ENSG00000256746 (1	LPAL2 (1.6)
SOST (1.3)	BAZ1B (1.2)
IZUMO1 (1.7)	SIK3 (1.7)
SLC30A3 (1.5)	CCDC121 (1.5)
USP1 (2.6)	NUP160 (2.6)
KBTBD4 (2.1)	ENSG00000236827 (1
MPV17 (2.4)	PLA2G6 (2.4)
APOC1 (1.3)	PBX4 (1.2)
ENSG00000222035 (1	IZUMO1 (1.9)
ZNF335 (2.3)	SUPT7L (2.0)
PTCD3 (1.6)	ENSG00000179523 (1
PTCD3 (1.6)	ENSG00000179523 (1
WDR76 (1.6)	NFE2L3 (1.5)
HAVCR1 (2.0)	NRBP1 (1.9)
TAGLN (1.8)	SPG11 (1.7)
CCDC92 (1.6)	AGBL5 (1.5)
NEIL2 (2.4)	TUBGCP4 (2.2)
CATSPER2 (1.5)	RBKS (1.3)
C11orf49 (1.9)	UCN (1.9)
NEIL2 (2.0)	COBLL1 (1.9)
C1orf172 (1.8)	DNAJC5G (1.7)
NOP58 (1.8)	POLR1A (1.7)
IGF2R (1.1)	ZNF408 (1.1)
HAVCR1 (1.4)	ENSG00000235545 (1

SPG11 (1.8)	SUGP1 (1.8)
ENSG00000257711 (1	KLF14 (1.6)
JMJD1C (1.6)	ABHD1 (1.6)
TMEM101 (2.2)	GPN2 (2.1)
C1QTNF4 (1.8)	MPP2 (1.7)
REEP1 (1.7)	SLC30A3 (1.6)
CTSB (2.1)	PPIP5K1 (2.0)
SPG11 (1.6)	AGBL2 (1.5)
BAZ1B (2.0)	INTS10 (2.0)
JMJD1C (2.3)	TXNL4B (2.2)
BRE (1.8)	C2orf53 (1.8)
GTF3C2 (1.9)	NOP58 (1.7)
AGBL2 (1.8)	ZNF335 (1.7)
DPYSL5 (1.8)	ANGPTL3 (1.7)
CAD (2.0)	FEN1 (2.0)
DNAH10 (1.5)	ENSG00000182329 (1
ENSG00000222035 (1	HAVCR1 (1.4)
PTPMT1 (1.8)	TP53BP1 (1.7)
PTPMT1 (1.8)	TP53BP1 (1.7)
PTPMT1 (1.8)	TP53BP1 (1.7)
CATSPER2 (1.9)	SLC30A3 (1.8)
BUD13 (2.6)	BAZ1B (2.6)
MAPK10 (2.1)	ENSG00000222035 (1
ABHD1 (1.7)	C2orf53 (1.6)
NEIL2 (1.7)	ENSG00000253379 (1
HAVCR1 (1.7)	KBTBD4 (1.5)
HAVCR1 (1.7)	KBTBD4 (1.5)
FNBP4 (1.5)	DR1 (1.5)
ATG4C (2.1)	REEP3 (2.1)
CMIP (1.6)	SLC30A3 (1.6)
SUGP1 (1.7)	CCDC92 (1.7)
PPIP5K1 (1.8)	PMFBP1 (1.7)
KDM3A (2.5)	CELF1 (2.3)
BUD13 (2.5)	SLC5A6 (2.4)
TDH (1.6)	LINC00208 (1.5)
LRP4 (1.9)	C1orf172 (1.7)
DUSP3 (1.9)	ENSG00000257711 (1
INTS10 (2.2)	USP1 (2.0)
HDAC5 (1.9)	GPN1 (1.8)
HDAC5 (1.7)	SPG11 (1.7)
C8orf12 (1.2)	MPP3 (1.2)
ENSG00000236267 (1	HAVCR1 (1.3)
RSPO3 (2.2)	MAPK10 (2.1)
ENSG00000235545 (2	CCDC121 (1.9)
CELF1 (2.3)	MRPL35 (2.2)
PPIP5K1 (1.9)	MYBPC3 (1.8)
BCAM (1.5)	MAMSTR (1.5)
MPP2 (1.6)	KDM3A (1.6)
TMED5 (1.4)	BCL7B (1.3)
DOCK7 (2.1)	PTPN13 (2.0)

ATG4C (2.3)	USP1 (2.3)
IGF2R (1.9)	TBL2 (1.9)
DHX38 (1.9)	PPIP5K1 (1.9)
SUPT7L (1.9)	GPN2 (1.9)
SLC30A3 (2.2)	CCDC92 (1.9)
MPV17 (2.2)	PCSK7 (2.0)
DNAH10 (1.7)	TMED5 (1.6)
TP53BP1 (1.6)	USP1 (1.6)
ENSG00000182329 (2	UBXN2B (1.9)
BAZ1B (2.6)	KBTBD4 (2.2)
FDFT1 (1.9)	MAPRE3 (1.8)
BCL7B (2.0)	PPM1G (1.9)
HDAC5 (1.7)	C11orf9 (1.7)
MTF2 (2.1)	MTCH2 (1.9)
TRNP1 (2.3)	MADD (2.2)
DR1 (1.8)	SDCBP (1.6)
DNAH10 (1.8)	BMPR2 (1.8)
DNAJC5G (1.7)	PBX4 (1.6)
CCDC18 (2.1)	ARFGAP2 (2.0)
CATSPER2 (1.9)	G6PC3 (1.9)
AMBRA1 (1.7)	HDAC5 (1.7)
C11orf9 (1.8)	IZUMO1 (1.8)
CYP26A1 (2.0)	LPAL2 (2.0)
RFX4 (2.2)	UCN (2.1)
G6PC3 (1.9)	SNX17 (1.9)
ZNF513 (1.4)	C2orf53 (1.4)
SPG11 (1.7)	MAPRE3 (1.7)
CLPTM1 (1.8)	PBX4 (1.8)
DNAH10 (2.0)	MTMR9 (1.8)
BCL7B (2.3)	BUD13 (2.1)
DNAH10 (1.9)	ZNF664 (1.9)
ENSG00000223745 (1	ENSG00000257711 (1
CCDC92 (1.9)	LPL (1.8)
TOMM40 (1.9)	JMJD1C (1.8)
KDM3A (1.9)	NRBP1 (1.8)
UCN (2.0)	DR1 (1.9)
PREB (1.7)	PDIA3 (1.7)
TMEM175 (2.0)	TAGLN (1.9)
NEIL2 (1.8)	PLA2G6 (1.8)
HARBI1 (2.9)	TBL2 (2.8)
MAPRE3 (1.4)	PLA2G6 (1.4)
CYP7A1 (1.8)	C17orf105 (1.7)
CCDC18 (1.8)	AGBL2 (1.7)
KBTBD4 (1.7)	HAVCR1 (1.7)
TOMM40 (2.0)	DNAJC5G (2.0)
CYP26A1 (1.8)	UCN (1.7)
ENSG00000223745 (1	ENSG00000182319 (1
ARFGAP2 (2.1)	CCDC121 (1.9)
LSM12 (2.5)	BUD13 (2.5)
HAVCR1 (1.4)	C11orf49 (1.3)

CYP7A1 (2.1)	MADD (2.1)
MRPL35 (1.9)	REEP1 (1.8)
HDAC5 (1.7)	MAU2 (1.7)
ENSG00000226645 (1	TRIM54 (1.6)
CHMP3 (1.8)	EIF3J (1.8)
APOE (2.1)	REEP1 (2.0)
ENSG00000182329 (1	ENSG00000182319 (1
MTMR9 (1.8)	PPY (1.8)
MAPRE3 (2.0)	SLC22A3 (1.9)
TSSK6 (1.7)	C1QTNF4 (1.7)
PTPRJ (1.5)	ENSG00000223522 (1
TUBGCP4 (2.0)	DPYSL5 (1.9)
HARBI1 (2.0)	SUMO1 (1.9)
ABHD1 (1.5)	RBKS (1.5)
CCDC18 (2.0)	MTF2 (2.0)
ENSG00000257711 (1	COBLL1 (1.9)
PTCD3 (1.6)	ZNF512 (1.4)
MPP2 (1.8)	RFX4 (1.7)
BAZ1B (3.0)	TUBGCP4 (2.6)
TMEM101 (1.4)	GPN1 (1.3)
CMIP (1.7)	PMFBP1 (1.6)
DUSP3 (1.9)	ATG4C (1.9)
CHMP3 (1.9)	HAVCR1 (1.9)
EIF3J (2.2)	ENSG00000179523 (2
REEP1 (1.7)	ACP2 (1.6)
CSGALNACT1 (1.4)	PTPN13 (1.1)
CD300LG (1.7)	DPYSL5 (1.7)
CCDC121 (1.7)	TRIB1 (1.6)
EIF3J (2.5)	MAU2 (2.2)
TXNL4B (2.4)	FGF21 (2.4)
SNX17 (2.2)	EIF2B4 (2.2)
ENSG00000257711 (1	COBLL1 (1.5)
ENSG00000257711 (1	COBLL1 (1.5)
BUD13 (2.5)	BAZ1B (2.5)
ENSG00000182319 (1	MPP2 (1.8)
NUP160 (1.8)	CAD (1.8)
MPP2 (1.2)	COBLL1 (1.2)
SUPT7L (1.8)	HAVCR1 (1.8)
CCDC121 (2.8)	ENSG00000257711 (2
CCDC121 (2.8)	ENSG00000257711 (2
CCDC121 (2.8)	ENSG00000257711 (2
C2orf53 (1.7)	C1QTNF4 (1.7)
MRPL35 (2.2)	SUPT7L (2.1)
NRBP1 (2.2)	ATG13 (2.1)
INTS10 (2.2)	SUGP1 (2.2)
UBXN2B (1.6)	LPAR2 (1.6)
NFE2L3 (2.1)	ENSG00000234945 (2
PAFAH1B2 (1.8)	SUPT7L (1.7)
MAU2 (1.8)	POLR1A (1.8)
NAGS (1.8)	TBL2 (1.6)

RSPO3 (1.6)	ENSG00000234945 (1
GMIP (1.7)	PYY (1.7)
ENSG00000256731 (1	MPP3 (1.2)
TP53BP1 (2.3)	KBTBD4 (2.2)
CKAP5 (1.7)	CELF1 (1.7)
ENSG00000182329 (1	FNDC4 (1.7)
CCDC92 (2.1)	CGREF1 (2.0)
NEIL2 (2.0)	MAP1A (1.8)
MTF2 (2.1)	ENSG00000226645 (2
EIF3J (1.9)	EIF2B4 (1.8)
ATG13 (1.5)	ZNF513 (1.4)
SUPT7L (2.3)	GPN1 (2.2)
MAP1A (1.7)	MPP3 (1.7)
MPP3 (1.8)	ZNF408 (1.8)
MTF2 (2.1)	BAZ1B (2.0)
TMEM101 (2.0)	IFT172 (2.0)
KBTBD4 (2.1)	MTF2 (2.0)
ENSG00000235545 (1	PPM1G (1.8)
DNAH10 (1.9)	ENSG00000226645 (1
LRP4 (1.9)	DPYSL5 (1.9)
ENSG00000223745 (1	C11orf49 (1.9)
EPB41L3 (1.8)	PPIP5K1 (1.8)
FRMD5 (1.4)	MAMSTR (1.4)
MRPL35 (1.9)	PCSK7 (1.8)
NDUFS3 (2.3)	BUD13 (2.3)
UCN (1.4)	ZNF512 (1.4)
HDAC5 (1.5)	NRBF2 (1.5)
C11orf9 (1.9)	SDCBP (1.9)
SPG11 (1.6)	UBXN2B (1.5)
NR1H3 (1.6)	ENSG00000254235 (1
MPP2 (1.9)	HAPLN4 (1.6)
KBTBD4 (2.1)	ENSG00000182329 (2
CKAP5 (1.8)	CMIP (1.8)
SIK3 (2.0)	C11orf49 (1.8)
EPB41L3 (1.5)	MAP1A (1.5)
MTF2 (1.4)	TP53BP1 (1.3)
MAPK10 (1.9)	ACP2 (1.7)
MPP3 (1.7)	FNDC4 (1.6)
C11orf9 (1.9)	DUSP3 (1.8)
TRNP1 (1.8)	HAVCR1 (1.7)
ENSG00000234945 (2	MPP3 (1.8)
NRBP1 (1.8)	HAPLN4 (1.8)
TAGLN (1.2)	ABHD1 (1.1)
C1QTNF4 (2.3)	CLPTM1 (2.2)
NR1H3 (2.2)	JMJD1C (2.0)
ZNF512 (2.0)	ENSG00000226645 (1
ZNF512 (2.0)	ENSG00000226645 (1
USP1 (2.1)	ATG13 (2.0)
C8orf49 (2.1)	PAFAH1B2 (1.9)
PPIP5K1 (1.5)	DDB2 (1.5)

INTS10 (2.2)	ENSG00000235545 (2
BNC2 (2.1)	ARHGAP1 (1.9)
BNC2 (2.1)	ARHGAP1 (1.9)
MTF2 (2.1)	BAZ1B (2.0)
FAM167A (1.4)	KRTCAP3 (1.4)
CCDC92 (2.6)	MAPRE3 (2.5)
FNDC4 (1.3)	ZNF408 (1.2)
KBTBD4 (1.8)	CITED2 (1.8)
MTCH2 (2.0)	ZNF664 (1.9)
ENSG00000222035 (1	SOST (1.6)
ENSG00000257711 (1	WDR76 (1.7)
CATSPER2 (1.9)	SPG11 (1.8)
TXNL4B (1.8)	FNBP4 (1.7)
ZNF512 (2.1)	CHMP3 (1.6)
ZNF335 (2.2)	DHX38 (2.1)
PTPMT1 (2.0)	IFT172 (1.8)
BLK (1.6)	ENSG00000223522 (1
ZNF335 (1.6)	NRBP1 (1.5)
C8orf12 (1.6)	AGBL2 (1.6)
CSGALNACT1 (1.9)	PACSIN3 (1.7)
SPG11 (1.7)	STRC (1.7)
PMFBP1 (1.5)	TSSK6 (1.4)
ENSG00000182319 (1	MPP2 (1.8)
TIMD4 (1.7)	CETP (1.6)
FZD9 (1.8)	PBX4 (1.7)
MAP1A (1.3)	PBX4 (1.3)
BUD13 (2.5)	CKAP5 (2.3)
BUD13 (2.5)	CKAP5 (2.3)
ZNF408 (1.9)	TIMD4 (1.7)
DPYSL5 (1.7)	PYY (1.6)
ENSG00000253379 (1	NEIL2 (1.8)
ENSG00000236827 (2	INTS10 (2.0)
MYBPC3 (1.7)	TUBGCP4 (1.7)
MADD (1.9)	SLC30A3 (1.8)
MPP3 (2.1)	CATSPER2 (2.1)
CD300LG (1.4)	MTF2 (1.3)
CCDC92 (2.5)	MAPRE3 (2.3)
USP1 (1.5)	ABCA1 (1.4)
PTCD3 (1.7)	DR1 (1.7)
PTPRJ (1.4)	C8orf12 (1.4)
MAP1A (2.4)	MAPRE3 (2.1)
KDM3A (1.5)	OST4 (1.5)
NUP160 (2.3)	BCL7B (2.2)
NUP160 (2.1)	BAZ1B (1.8)
ZNF335 (1.3)	PAFAH1B2 (1.3)
SUMO1 (1.8)	DOCK7 (1.7)
ENSG00000182329 (1	FRMD5 (1.3)
INTS10 (1.6)	TMEM175 (1.5)
IZUMO1 (1.9)	ATG4C (1.7)
C8orf49 (1.9)	CATSPER2 (1.9)

PIGV (2.3)	SUMO1 (2.2)
PPIP5K1 (2.0)	MAPRE3 (1.8)
ENSG00000236827 (1	CCDC18 (1.6)
CAD (2.0)	PTCD3 (1.8)
C8orf49 (1.9)	REEP1 (1.8)
RIC8B (2.1)	ENSG00000235545 (1
GTF3C2 (2.5)	EIF2B4 (2.5)
NAGS (1.8)	IZUMO1 (1.8)
PTPRJ (1.7)	NCAN (1.6)
PPM1G (1.8)	WDR76 (1.7)
PMFBP1 (1.6)	FGF21 (1.4)
PAFAH1B2 (2.0)	SUMO1 (2.0)
MAP1A (2.1)	PAFAH1B2 (2.1)
MAPRE3 (2.1)	SLC30A3 (1.9)
MTMR9 (1.6)	GCKR (1.6)
MTMR9 (1.6)	GCKR (1.6)
HAPLN4 (2.0)	SNX17 (1.9)
REEP1 (1.7)	NEIL2 (1.6)
PBX4 (2.2)	CETP (2.2)
FZD9 (2.3)	CAD (2.2)
PTCD3 (1.6)	TOMM40 (1.5)
TRNP1 (2.0)	MADD (2.0)
IZUMO1 (2.1)	CGREF1 (2.0)
PACSIN3 (1.7)	TUBGCP4 (1.6)
TUBGCP4 (1.9)	ENSG00000235545 (1
PPIP5K1 (1.7)	SUMO1 (1.6)
CHMP3 (2.0)	REEP1 (1.9)
GPN2 (2.0)	MTF2 (2.0)
MTCH2 (2.1)	CTDSPL2 (2.1)
ATG4C (1.9)	FEN1 (1.8)
MTMR9 (1.3)	PAFAH1B2 (1.3)
MTMR9 (1.3)	PAFAH1B2 (1.3)
MTMR9 (1.3)	PAFAH1B2 (1.3)
DHX38 (2.0)	ZNF335 (2.0)
PAFAH1B2 (1.8)	MAU2 (1.8)
CCDC92 (1.8)	KANK2 (1.6)
NR1H3 (1.8)	PTPN13 (1.7)
C17orf105 (1.8)	ENSG00000223522 (1
GALNT2 (1.8)	CLPTM1 (1.7)
SNX17 (2.1)	PREB (2.0)
MPP3 (1.3)	DNAH10 (1.2)
CHMP3 (1.8)	SDCBP (1.7)
MAU2 (2.0)	SUMO1 (2.0)
SOST (1.9)	ENSG00000257711 (1
PMFBP1 (1.8)	MAMSTR (1.7)
FUT2 (1.9)	ATG13 (1.8)
ZNF259 (2.1)	MRPL33 (2.0)
EPB41L3 (1.6)	ENSG00000256746 (1
GTF3C2 (2.0)	PPM1G (2.0)
HDAC5 (1.6)	PLTP (1.6)

HDAC5 (2.3)	MPP2 (2.2)
MAP1A (2.2)	MAPRE3 (2.2)
G6PC3 (1.7)	C17orf105 (1.7)
ABO (2.0)	ENSG00000182329 (1
AGBL2 (2.1)	MAMSTR (2.0)
C8orf12 (2.4)	ENSG00000236827 (2
MTF2 (2.2)	BAZ1B (1.9)
HAPLN4 (2.4)	TRNP1 (2.3)
PLTP (1.7)	ENSG00000200241 (1
SIK3 (1.8)	DOCK6 (1.7)
MAFF (2.3)	CTSB (2.2)
EIF3J (1.7)	G6PC3 (1.6)
CMIP (2.1)	PMFBP1 (2.0)
PPM1G (1.7)	MTF2 (1.6)
ENSG00000256746 (1	LINC00208 (1.7)
IZUMO1 (1.6)	DNAJC5G (1.6)
KBTBD4 (1.9)	FADS1 (1.8)
KRTCAP3 (1.7)	KLF14 (1.7)
REEP1 (2.0)	RIC8B (2.0)
USP1 (1.8)	JMJD1C (1.8)
G6PC3 (2.2)	IFT172 (2.1)
PTCD3 (1.5)	CAD (1.4)
MTF2 (2.1)	WDR76 (2.0)
IFT172 (1.9)	MRPL35 (1.9)
BRE (1.5)	LPL (1.5)
ZNF408 (1.7)	ZDHHC18 (1.7)
CTDSPL2 (2.1)	DNAH10 (2.0)
ENSG00000257711 (1	C2orf16 (1.7)
CATSPER2 (1.7)	C17orf105 (1.7)
CTDSPL2 (1.4)	PTCD3 (1.4)
PTCD3 (1.5)	CAD (1.3)
CATSPER2 (1.7)	AFF1 (1.7)
SNX17 (2.1)	INTS10 (2.1)
CATSPER2 (2.3)	BCL7B (2.3)
CATSPER2 (2.3)	BCL7B (2.3)
MFAP1 (2.1)	PREB (2.0)
MFAP1 (2.1)	PREB (2.0)
MFAP1 (2.1)	PREB (2.0)
CCDC121 (1.7)	IZUMO1 (1.7)
REEP1 (1.8)	MPV17 (1.8)
PTPMT1 (1.7)	GPAM (1.6)
OST4 (2.0)	CHMP3 (1.8)
IZUMO1 (1.5)	MAU2 (1.5)
ENSG00000182329 (2	PTPRJ (2.0)
SUMO1 (2.3)	LSM12 (2.2)
CITED2 (1.2)	CATSPER2 (1.2)
SUGP1 (2.4)	TUBGCP4 (2.4)
MAU2 (2.0)	ZNF512 (2.0)
DUSP3 (2.0)	NCAN (2.0)
IZUMO1 (2.1)	BUD13 (2.0)

TMEM175 (1.6)	PIGV (1.5)
BAZ1B (2.5)	JMJD1C (2.4)
NOP58 (1.7)	MRPL35 (1.6)
RSPO3 (1.5)	ENSG00000236827 (1
MAPRE3 (1.9)	REEP1 (1.9)
UCN (1.4)	CGREF1 (1.4)
LRP4 (1.6)	SFN (1.5)
PMFBP1 (1.4)	ENSG00000234945 (1
NEIL2 (2.0)	MADD (2.0)
NFE2L3 (1.4)	FUT1 (1.4)
FRMD5 (1.6)	DOCK7 (1.6)
STRC (1.6)	HDAC5 (1.6)
CELF1 (1.8)	SLC30A3 (1.8)
C11orf49 (1.5)	NUP160 (1.5)
TUBGCP4 (2.7)	CASC4 (2.5)
ENSG00000223745 (2	ENSG00000236267 (1
CCDC92 (2.0)	PYY (2.0)
DUSP3 (1.9)	SPG11 (1.9)
NSMAF (1.7)	TRNP1 (1.7)
TMEM101 (1.6)	NEIL2 (1.5)
PTPN13 (1.4)	IZUMO1 (1.3)
BAZ1B (1.8)	CKAP5 (1.6)
GPN1 (2.5)	FNBP4 (2.5)
MTMR9 (1.4)	SFN (1.4)
BMPR2 (1.8)	PBX4 (1.7)
PPIP5K1 (2.1)	MFAP1 (2.1)
SUGP1 (2.1)	PPM1G (2.1)
PCIF1 (1.2)	ENSG00000256746 (1
CTSB (1.9)	MFAP1 (1.8)
GPN2 (2.0)	HARBI1 (2.0)
OST4 (2.6)	IFT172 (2.2)
POLR1A (1.9)	SUMO1 (1.8)
USP1 (2.0)	FEN1 (2.0)
ENSG00000255020 (1	ENSG00000234945 (1
ZNF512 (2.5)	RIC8B (2.4)
MTF2 (1.2)	LINC00208 (1.1)
C11orf49 (1.7)	RIC8B (1.6)
C8orf12 (1.9)	NFE2L3 (1.8)
REEP1 (1.9)	CCDC92 (1.8)
CHMP3 (1.9)	CTDSPL2 (1.8)
SDC1 (1.2)	C8orf12 (1.2)
CTDSPL2 (1.7)	PTCD3 (1.6)
SIK3 (1.5)	ENSG00000256746 (1
PYY (2.1)	PLA2G6 (2.0)
LPAR2 (2.1)	ARFGAP2 (2.1)
LPAR2 (2.1)	ARFGAP2 (2.1)
SDCBP (1.9)	PTPRJ (1.9)
RIC8B (2.1)	TOMM40 (2.1)
ENSG00000256731 (1	PBX4 (1.6)
REEP1 (1.7)	FUT1 (1.6)

TSSK6 (1.9)	ENSG00000256731 (1
C1QTNF4 (2.1)	MPP2 (2.1)
ARID1A (1.3)	SUMO1 (1.3)
ABHD1 (1.6)	ENSG00000222035 (1
C1orf172 (1.8)	SIK3 (1.7)
EMILIN1 (1.5)	ANGPTL3 (1.5)
CCDC121 (1.7)	MAPRE3 (1.4)
DNAJC5G (1.8)	BCAM (1.8)
AGBL2 (1.8)	LINC00208 (1.8)
ENSG00000223522 (2	BUD13 (2.0)
ENSG00000223522 (2	BUD13 (2.0)
ENSG00000223522 (2	BUD13 (2.0)
NRBP1 (1.7)	RSPO3 (1.7)
CGREF1 (2.0)	MAPK10 (2.0)
UCN (1.6)	NEIL2 (1.5)
ENSG00000236267 (1	TRNP1 (1.6)
TECTB (1.8)	PCSK7 (1.6)
TECTB (1.8)	PCSK7 (1.6)
GALNT2 (1.7)	ENSG00000179523 (1
ENSG00000255020 (2	TP53BP1 (1.9)
ZNF408 (2.1)	MFAP1 (2.0)
ENSG00000223522 (1	BNC2 (1.4)
MAMSTR (1.4)	SFN (1.2)
FADS2 (2.5)	KRTCAP3 (2.5)
CAD (1.8)	DDB2 (1.7)
PPM1G (1.6)	MTCH2 (1.6)
PTPN13 (1.9)	PBX4 (1.9)
C2orf53 (1.8)	ENSG00000257711 (1
DDB2 (1.6)	CTDSPL2 (1.5)
C2orf16 (1.6)	ENSG00000234945 (1
IFT172 (2.0)	DHX38 (1.9)
AGBL2 (1.6)	BCL7B (1.6)
ENSG00000234945 (1	EIF3J (1.7)
MPV17 (2.4)	PTPMT1 (1.9)
MAPRE3 (2.3)	MPV17 (1.9)
DR1 (1.6)	PTCD3 (1.6)
CBLC (2.0)	PGS1 (1.9)
C1orf172 (2.1)	ENSG00000257711 (2
ENSG00000200241 (2	C2orf28 (2.3)
SDC1 (1.3)	MPP3 (1.2)
UBXN2B (2.1)	MADD (2.0)
C8orf12 (1.8)	KBTBD4 (1.7)
CLPTM1 (2.0)	CHMP3 (2.0)
C1orf172 (1.8)	UCN (1.7)
AGBL2 (1.6)	CGREF1 (1.4)
SLC30A3 (1.8)	REEP1 (1.7)
SLC30A3 (1.8)	REEP1 (1.7)
SLC30A3 (1.8)	REEP1 (1.7)
HAVCR1 (1.8)	PBX4 (1.5)
FAM167A (1.4)	DNAJC5G (1.4)

ABO (2.1)	ENSG00000236827 (1
NCAN (2.1)	SIK3 (2.0)
EPB41L3 (1.5)	FUT2 (1.4)
C1QTNF4 (1.9)	LPL (1.9)
BAZ1B (1.7)	EIF2B4 (1.5)
C11orf49 (2.1)	HDAC5 (2.1)
FGF21 (2.6)	PTCD3 (2.3)
C2orf53 (2.2)	FUT1 (2.2)
SUGP1 (1.3)	ENSG00000226645 (1
PCIF1 (1.6)	RIC8B (1.5)
PLA2G6 (1.7)	ENSG00000223745 (1
MTF2 (2.2)	PAFAH1B2 (1.9)
ENSG00000256731 (2	ZNF259 (2.0)
ENSG00000235545 (2	DDB2 (2.1)
TRIM54 (1.8)	FUT1 (1.7)
FGF21 (2.5)	PTCD3 (2.4)
FGF21 (2.5)	PTCD3 (2.4)
TSSK6 (1.9)	MAPRE3 (1.8)
SDCBP (2.3)	AGBL5 (2.1)
C2orf28 (2.3)	ENSG00000200241 (2
ARHGAP1 (2.1)	KLF14 (1.9)
TXNL4B (2.3)	MRPL35 (2.2)
TSSK6 (1.5)	FAM167A (1.5)
KRTCAP3 (1.7)	ENSG00000234945 (1
KRTCAP3 (1.7)	ENSG00000234945 (1
PIGV (2.2)	BUD13 (2.2)
CSGALNACT1 (1.8)	FNDC4 (1.8)
C17orf105 (1.8)	DDB2 (1.8)
ENSG00000223522 (2	BRE (2.5)
CCDC18 (1.7)	PBX4 (1.5)
MADD (1.8)	FEN1 (1.6)
KBTBD4 (2.0)	ZDHHC18 (1.9)
PBX4 (1.5)	ZNF335 (1.5)
BAZ1B (1.7)	CASC4 (1.7)
FADS2 (1.7)	ENSG00000234945 (1
PAFAH1B2 (1.8)	NRBP1 (1.7)
REEP1 (2.0)	DPYSL5 (1.9)
REEP1 (2.0)	DPYSL5 (1.9)
REEP1 (2.0)	DPYSL5 (1.9)
KRTCAP3 (1.7)	ENSG00000234945 (1
TDH (1.7)	FUT2 (1.6)
RASIP1 (1.5)	CHMP3 (1.4)
PLA2G6 (1.7)	FZD9 (1.6)
PBX4 (2.1)	BAZ1B (2.0)
DNAH10 (1.5)	PPY (1.4)
DNAH10 (1.5)	PPY (1.4)
MPP3 (1.6)	C8orf49 (1.6)
MAP1A (2.2)	HAPLN4 (2.1)
STRC (1.7)	GPN2 (1.6)
DPYSL5 (2.0)	REEP1 (1.9)

DPYSL5 (2.0)	REEP1 (1.9)
BMPR2 (1.6)	FRMD5 (1.6)
SNX17 (1.7)	USP1 (1.7)
PIGV (2.0)	TMEM101 (1.9)
MTMR9 (1.7)	C2orf53 (1.6)
ENSG00000222035 (1	STRC (1.6)
DHODH (1.9)	ENSG00000235545 (1
SIK3 (2.1)	SPG11 (2.1)
C1QTNF4 (2.4)	PPIP5K1 (2.2)
ENSG00000236267 (1	ZNF512 (1.3)
REEP3 (1.8)	PMFBP1 (1.8)
TBL2 (1.6)	MTMR9 (1.6)
JMJD1C (1.8)	MPP3 (1.8)
AGBL2 (1.7)	PMFBP1 (1.7)
SLC30A3 (2.1)	DPYSL5 (1.9)
CETP (1.9)	DPYSL5 (1.8)
REEP1 (1.7)	IGF2R (1.5)
GATA4 (1.9)	FRMD5 (1.8)
NUP160 (2.7)	SPG11 (2.7)
COBLL1 (1.5)	KLF14 (1.4)
ENSG00000236267 (2	IZUMO1 (1.9)
LPAL2 (1.5)	TECTB (1.5)
ENSG00000253379 (1	C8orf12 (1.7)
REEP1 (1.8)	GALNT2 (1.7)
MAMSTR (1.7)	ATP13A1 (1.7)
NFE2L3 (1.6)	PIGV (1.5)
PPY (1.7)	MAPRE3 (1.7)
CCDC18 (1.3)	IZUMO1 (1.3)
C8orf12 (1.2)	CBLC (1.2)
AGBL5 (3.3)	AGBL2 (2.1)
AGBL5 (3.3)	AGBL2 (2.1)
PPY (1.8)	SIDT2 (1.7)
LINC00208 (1.2)	DDB2 (1.2)
CAD (1.5)	PTCD3 (1.4)
MFAP1 (1.6)	PPIP5K1 (1.6)
ZNF335 (1.7)	TECTB (1.7)
C1QTNF4 (1.8)	MAPRE3 (1.8)
FUT1 (1.7)	PPY (1.7)
C11orf49 (2.1)	FUT1 (1.9)
SDCBP (2.1)	BCL7B (1.9)
DDB2 (1.5)	MRPL35 (1.4)
MAPK10 (1.9)	TRNP1 (1.7)
TXNL4B (1.9)	STRC (1.9)
TXNL4B (1.9)	STRC (1.9)
NUP160 (1.7)	CTDSPL2 (1.6)
TRIM54 (1.5)	LRP4 (1.5)
HARBI1 (2.3)	ATG13 (2.2)
REEP1 (1.7)	LRP4 (1.6)
LINC00208 (1.5)	MTF2 (1.3)
FGF21 (1.3)	BCL3 (1.2)

PMFBP1 (1.3)	CYP26A1 (1.3)
CHMP3 (1.9)	CMIP (1.7)
CCDC121 (2.2)	TXNL4B (2.1)
CKAP5 (1.9)	TMEM101 (1.9)
HAPLN4 (1.8)	DDB2 (1.7)
CGREF1 (1.8)	STRC (1.7)
MAP1A (2.3)	FRMD5 (2.3)
CTDSPL2 (1.4)	EPB41L3 (1.1)
MAPRE3 (1.6)	ENSG00000182329 (1
NEIL2 (1.9)	REEP1 (1.8)
EPB41L3 (1.9)	ENSG00000182329 (1
ENSG00000256746 (1	DNAJC5G (1.5)
EIF2B4 (1.8)	HARBI1 (1.8)
TXNL4B (1.9)	TMEM175 (1.8)
ENSG00000223745 (2	ENSG00000182329 (1
FAM167A (1.7)	MTMR9 (1.7)
PPM1G (1.9)	MADD (1.8)
NRBF2 (2.2)	ZNF335 (2.2)
ATG13 (1.3)	CTDSPL2 (1.3)
REEP1 (1.9)	HAPLN4 (1.7)
TDH (1.9)	SIK3 (1.8)
RFX4 (1.6)	PCIF1 (1.4)
DDB2 (1.5)	CAD (1.3)
DPYSL5 (1.8)	REEP1 (1.8)
IMMT (2.5)	C2orf28 (2.2)
SUGP1 (1.7)	ZNF408 (1.7)
SUGP1 (1.7)	ZNF408 (1.7)
DHODH (1.8)	C11orf49 (1.8)
PCIF1 (1.7)	BAZ1B (1.6)
LPAR2 (1.7)	ZNF513 (1.7)
MAMSTR (1.9)	FEN1 (1.8)
MAMSTR (1.9)	FEN1 (1.8)
MPP2 (2.0)	CATSPER2 (1.9)
CHMP3 (1.3)	MFAP1 (1.2)
IGF2R (1.6)	PIGV (1.5)
NUP160 (2.2)	TUBGCP4 (2.2)
UBXN2B (2.0)	FADS1 (1.9)
MAPRE3 (1.7)	ENSG00000223745 (1
TDH (1.6)	DUSP3 (1.6)
PIGV (1.6)	NRBF2 (1.4)
ENSG00000236827 (1	BMPR2 (1.3)
CD300LG (1.6)	PMFBP1 (1.6)
CD300LG (1.6)	PMFBP1 (1.6)
ARFGAP2 (1.5)	LINC00208 (1.3)
CTSB (1.8)	CATSPER2 (1.7)
FZD9 (2.1)	NEIL2 (2.0)
DDB2 (1.6)	MAP1A (1.4)
USP1 (2.2)	INTS10 (2.0)
ENSG00000226645 (1	TXNL4B (1.7)
PREB (2.0)	PMFBP1 (1.9)

C17orf105 (1.7)	MAPK10 (1.5)
DHODH (1.6)	GATAD2A (1.5)
EPB41L3 (2.1)	DPYSL5 (2.1)
ARFGAP2 (1.4)	LINC00208 (1.2)
SLC30A3 (1.8)	LPL (1.8)
DPYSL5 (1.9)	NCAN (1.9)
MAPRE3 (2.3)	PPIP5K1 (2.3)
DUSP3 (1.4)	SFN (1.2)
SUPT7L (1.6)	ENSG00000226645 (1
MPP3 (2.0)	IFT172 (1.9)
FEN1 (2.6)	MFAP1 (2.5)
MAPK10 (1.6)	GATA4 (1.5)
SIK3 (1.6)	PMFBP1 (1.6)
SIK3 (2.0)	NCAN (1.9)
SIK3 (2.0)	NCAN (1.9)
BAZ1B (1.6)	MFAP1 (1.4)
MTF2 (1.4)	MRPL35 (1.4)
BUD13 (2.4)	BCL7B (2.3)
MPP2 (1.8)	STRC (1.7)
C8orf12 (1.8)	FZD9 (1.8)
BUD13 (1.8)	BAZ1B (1.8)
ZNF259 (1.9)	PTCD3 (1.8)
C11orf49 (2.1)	DPYSL5 (2.1)
ENSG00000257711 (2	ENSG00000236827 (2
CSGALNACT1 (1.8)	TRIM54 (1.8)
ABO (1.6)	C1QTNF4 (1.5)
ABO (1.6)	C1QTNF4 (1.5)
CASC4 (2.0)	ENSG00000222035 (1
MTCH2 (1.9)	C11orf49 (1.8)
USP1 (1.8)	CTDSPL2 (1.7)
C11orf49 (1.9)	MAMSTR (1.7)
NUP160 (1.4)	NOP58 (1.2)
NDUFS3 (2.1)	SNX17 (2.0)
AMBRA1 (1.9)	BMPR2 (1.8)
C2orf53 (1.8)	NCAN (1.7)
ZDHHC18 (2.3)	MAPK10 (2.0)
NEIL2 (2.3)	ENSG00000255020 (2
AGBL2 (1.6)	TECTB (1.5)
USP1 (2.8)	MFAP1 (2.7)
NUP160 (2.0)	BUD13 (1.8)
ZNF664 (1.3)	TECTB (1.2)
ZNF664 (1.4)	ENSG00000222035 (1
CAD (2.7)	PTCD3 (2.6)
MAMSTR (2.0)	BUD13 (2.0)
ZNF512 (1.9)	WDR76 (1.9)
MAPRE3 (2.0)	HAPLN4 (1.9)
MAPRE3 (1.7)	NCAN (1.6)
PTCD3 (1.4)	CTDSPL2 (1.4)
REEP1 (1.5)	ENSG00000223745 (1
LINC00208 (1.6)	TDH (1.6)

CGREF1 (1.8)	FNDC4 (1.7)
CGREF1 (2.0)	CHMP3 (1.9)
C2orf28 (2.2)	PPIP5K1 (2.2)
SUGP1 (1.8)	BUD13 (1.8)
MAPK10 (2.0)	C1QTNF4 (2.0)
MAPK10 (2.0)	C1QTNF4 (2.0)
LPAL2 (2.3)	ENSG00000200241 (2
MAPRE3 (1.8)	FRMD5 (1.7)
MYBPC3 (1.5)	ARHGAP1 (1.5)
RIC8B (2.1)	ZNF512 (1.9)
TM6SF2 (1.3)	MTMR9 (1.3)
LSM12 (1.9)	NUP160 (1.8)
DUSP3 (1.4)	SFN (1.3)
CLPTM1 (2.0)	CTSB (2.0)
NRBF2 (2.5)	ZNF664 (2.4)
SIDT2 (1.9)	TDH (1.9)
RFX4 (1.6)	C17orf105 (1.6)
USP1 (2.0)	ENSG00000223745 (1
RIC8B (1.5)	ATG4C (1.5)
MADD (2.2)	TRIM54 (2.1)
EPB41L3 (2.0)	REEP1 (1.9)
CHMP3 (1.9)	STRC (1.9)
CD300LG (1.9)	LINC00208 (1.9)
NEIL2 (2.1)	DPYSL5 (2.0)
CELF1 (2.2)	CHMP3 (2.0)
SLC30A3 (2.1)	MPP2 (2.0)
CCDC121 (1.7)	SOST (1.6)
MAP1A (1.9)	MAPK10 (1.9)
MFAP1 (2.4)	FEN1 (2.4)
PPIP5K1 (2.0)	MAP1A (1.9)
BMPR2 (1.7)	ACP2 (1.6)
MADD (2.0)	IZUMO1 (2.0)
MPP3 (2.5)	KRTCAP3 (2.2)
PTCD3 (2.2)	ENSG00000256746 (2
CCDC121 (1.6)	MAPK10 (1.6)
ARHGAP1 (1.7)	REEP1 (1.7)
RIC8B (1.8)	ZNF259 (1.8)
REEP1 (2.1)	CAD (2.0)
REEP1 (2.1)	CAD (2.0)
FGF21 (1.4)	CSGALNACT1 (1.4)
TAGLN (2.0)	TMEM175 (1.9)
CAD (1.5)	ZDHHC18 (1.4)
RBKS (1.5)	AFF1 (1.5)
BAZ1B (2.3)	MTF2 (2.2)
LRP4 (1.2)	MLXIPL (1.1)
PBX4 (1.5)	ENSG00000234945 (1
MAPRE3 (1.7)	MTMR9 (1.7)
MAP1A (2.0)	CASC4 (1.8)
NCAN (2.0)	PPY (1.8)
ENSG00000223522 (1	AGBL2 (1.5)

BUD13 (2.2)	ENSG00000226645 (2
C1QTNF4 (1.6)	MAP1A (1.5)
ENSG00000182329 (2	CGREF1 (2.0)
FEN1 (2.0)	CHMP3 (1.9)
G6PC3 (1.5)	UCN (1.4)
SLC22A3 (2.0)	ENSG00000256731 (1
ENSG00000236827 (1	CCDC92 (1.8)
ENSG00000236827 (2	ENSG00000234945 (2
PTCD3 (1.6)	NRBF2 (1.6)
TRNP1 (2.3)	ENSG00000255020 (2
C2orf28 (1.9)	SOST (1.9)
C11orf49 (1.5)	ABHD1 (1.4)
MFAP1 (1.8)	BUD13 (1.8)
IMMT (2.4)	C2orf28 (2.2)
IMMT (2.4)	C2orf28 (2.2)
C17orf105 (1.5)	TSSK6 (1.5)
MAPRE3 (2.1)	SLC30A3 (2.0)
NUP160 (1.6)	LPAR2 (1.6)
MADD (1.9)	UBXN2B (1.8)
CTSB (1.5)	ZDHHC18 (1.5)
WDR76 (2.4)	AGBL2 (2.3)
PACSIN3 (1.9)	MPP2 (1.7)
MAMSTR (1.4)	STRC (1.4)
MRPL33 (1.6)	ENSG00000182329 (1
FUT1 (1.8)	PTPRJ (1.8)
FUT1 (1.8)	PTPRJ (1.8)
MAMSTR (1.3)	C1orf172 (1.2)
PCSK7 (1.6)	TDH (1.6)
UCN (1.9)	NCAN (1.9)
CATSPER2 (1.9)	ENSG00000182329 (1
ENSG00000256746 (2	PTCD3 (2.1)
HAPLN4 (2.4)	C1QTNF4 (2.4)
FEN1 (2.3)	PPM1G (2.2)
DNAJC5G (2.0)	SLC30A3 (1.9)
CGREF1 (2.0)	EPB41L3 (1.9)
ARHGAP1 (1.4)	MAMSTR (1.4)
ABO (1.4)	FUT1 (1.3)
MPP3 (2.1)	MADD (2.1)
MADD (2.0)	LRP4 (2.0)
C1QTNF4 (2.6)	MAPK10 (2.2)
AGBL5 (2.2)	ENSG00000223745 (1
GTF3C2 (2.3)	BAZ1B (2.0)
BAZ1B (1.9)	LPAR2 (1.8)
UCN (1.8)	CATSPER2 (1.8)
LINC00208 (1.5)	GPN1 (1.1)
LINC00208 (1.4)	PTCD3 (1.4)
AGBL2 (1.6)	C17orf105 (1.5)
C2orf53 (2.1)	MPP2 (2.0)
SUMO1 (2.3)	LSM12 (2.2)
RSPO3 (1.6)	UBXN2B (1.6)

PCSK7 (1.8)	PMFBP1 (1.8)
ENSG00000182329 (2	MAPRE3 (2.0)
C11orf49 (1.9)	EPB41L3 (1.8)
C2orf16 (1.8)	PCIF1 (1.6)
C11orf49 (1.7)	MPP2 (1.7)
MTF2 (1.7)	WDR76 (1.6)
MYBPC3 (1.8)	UCN (1.8)
BUD13 (2.1)	CKAP5 (1.9)
G6PC3 (1.5)	TUBGCP4 (1.5)
GATA4 (1.8)	GATAD2A (1.7)
C17orf105 (1.3)	ARHGAP1 (1.3)
PMFBP1 (2.1)	WDR76 (2.0)
C8orf12 (1.9)	SLC5A6 (1.9)
ENSG00000255020 (2	LRP4 (1.9)
TUBGCP4 (2.3)	PTCD3 (2.0)
GPAM (1.7)	BCAM (1.7)
PREB (1.4)	ENSG00000182319 (1
C1QTNF4 (1.9)	NRBP1 (1.9)
RFX4 (1.6)	ENSG00000222035 (1
RFX4 (1.6)	ENSG00000222035 (1
LSM12 (2.2)	ZNF513 (2.1)
C11orf49 (2.4)	UBXN2B (2.3)
RFX4 (1.8)	ENSG00000235545 (1
TDH (1.7)	BLK (1.7)
LINC00208 (1.5)	MRPL35 (1.2)
FAM167A (1.4)	PDIA3 (1.3)
WDR76 (1.9)	ENSG00000179523 (1
HAVCR1 (1.5)	SIDT2 (1.5)
PTCD3 (1.9)	TOMM40 (1.8)
CELF1 (1.6)	LINC00208 (1.6)
HARBI1 (2.0)	CCDC121 (2.0)
RBKS (1.9)	ENSG00000257711 (1
EPB41L3 (2.0)	FNDC4 (2.0)
FNDC4 (2.0)	ZNF512 (2.0)
CCDC121 (2.5)	C11orf49 (2.5)
C11orf9 (2.0)	ENSG00000223745 (2
PTCD3 (1.5)	DDB2 (1.5)
LINC00208 (1.5)	MRPL35 (1.2)
PYY (1.2)	GPAM (1.2)
LINC00208 (1.2)	MRPL35 (1.1)
CHMP3 (1.3)	ATP13A1 (1.2)
LINC00208 (1.4)	SOST (1.3)
C8orf12 (1.8)	NEIL2 (1.8)
CCDC121 (1.4)	PLTP (1.3)
CHMP3 (1.5)	C8orf12 (1.4)
MAPK10 (2.1)	MAP1A (1.8)
REEP1 (2.0)	ENSG00000236267 (2
PMFBP1 (2.0)	ENSG00000235545 (1
MPV17 (1.7)	MAPRE3 (1.7)
ENSG00000255020 (1	SIDT2 (1.4)

CMIP (1.8)	MADD (1.7)
EMILIN1 (1.6)	ENSG00000253379 (1
MAPK10 (1.7)	FNDC4 (1.6)
C11orf49 (2.0)	MPP3 (1.9)
DHX38 (2.0)	ZNF335 (2.0)
TXNL4B (1.2)	UCN (1.0)
TXNL4B (1.2)	UCN (1.0)
CBLC (2.0)	CATSPER2 (1.9)
CATSPER2 (2.2)	DDB2 (2.1)
CSGALNACT1 (1.8)	ENSG00000179523 (1
BRE (1.6)	G6PC3 (1.6)
EPB41L3 (1.5)	SDCBP (1.5)
NRBP1 (1.7)	PAFAH1B2 (1.6)
USP1 (2.1)	TUBGCP4 (2.1)
ENSG00000256731 (1	C8orf49 (1.8)
ENSG00000256731 (1	C8orf49 (1.8)
ENSG00000234945 (1	ENSG00000236267 (1
LINC00208 (1.4)	MRPL35 (1.0)
RFX4 (1.7)	ENSG00000257711 (1
C2orf28 (2.4)	IMMT (2.2)
SIDT2 (1.8)	ENSG00000234945 (1
PACSIN3 (2.2)	IZUMO1 (2.2)
REEP1 (2.0)	HAPLN4 (2.0)
CELF1 (1.7)	CASC4 (1.6)
ENSG00000179523 (2	ENSG00000256746 (1
FUT1 (2.2)	VEGFA (2.0)
DUSP3 (2.2)	SFN (1.8)
LINC00208 (1.4)	PTCD3 (1.1)
MTMR9 (1.9)	KRTCAP3 (1.8)
ENSG00000256731 (1	C8orf49 (1.8)
FEN1 (2.4)	PPM1G (2.2)
CATSPER2 (1.8)	MAU2 (1.7)
TDH (1.4)	RBKS (1.3)
SDCBP (1.4)	SOST (1.4)
MTMR9 (1.5)	DDB2 (1.4)
PCIF1 (1.5)	USP1 (1.4)
EPB41L3 (2.2)	REEP1 (2.0)
FUT1 (1.6)	ENSG00000182329 (1
ENSG00000256731 (1	ENSG00000255020 (1
ENSG00000182329 (2	DPYSL5 (2.1)
LINC00208 (1.3)	PTCD3 (1.0)
C11orf49 (2.0)	LPAL2 (2.0)
LINC00208 (1.4)	PTCD3 (1.1)
AGBL2 (1.6)	EIF3J (1.5)
C11orf49 (2.1)	SPG11 (2.0)
TAGLN (1.2)	IZUMO1 (1.2)
SLC5A6 (2.0)	PTPMT1 (1.9)
ENSG00000256746 (1	ENSG00000182329 (1
DHODH (1.6)	OST4 (1.6)
ABO (1.3)	MPP2 (1.3)

LINC00208 (1.0)	PTCD3 (1.0)
ATG4C (1.5)	DOCK7 (1.5)
SUPT7L (1.8)	OST4 (1.7)
SUPT7L (1.8)	OST4 (1.7)
CATSPER2 (2.1)	MAP1A (2.0)
WDR76 (2.0)	PMFBP1 (1.9)
CTDSPL2 (2.1)	PAFAH1B2 (2.0)
TDH (1.8)	SLC5A6 (1.8)
ENSG00000257711 (2	MFAP1 (1.9)
PIGV (1.2)	MPP3 (1.2)
NR1H3 (1.7)	CCDC121 (1.6)
PPIP5K1 (2.0)	MAPK10 (1.9)
TMEM101 (1.8)	MPP3 (1.7)
C11orf9 (1.7)	ENSG00000256746 (1
FADS1 (2.1)	UBXN2B (1.8)
LPAL2 (2.0)	REEP3 (1.9)
ENSG00000179523 (1	PMFBP1 (1.3)
PMFBP1 (1.5)	FRMD5 (1.5)
PMFBP1 (1.5)	FRMD5 (1.5)
MAPRE3 (2.1)	C1QTNF4 (2.0)
ENSG00000182329 (1	SLC30A3 (1.6)
CCDC121 (1.8)	MAPRE3 (1.7)
LINC00208 (1.4)	MPV17 (1.3)
REEP1 (2.0)	IFT172 (2.0)
C11orf9 (2.0)	ENSG00000182319 (1
ENSG00000256746 (1	ENSG00000223522 (1
ENSG00000257711 (1	C8orf12 (1.5)
BAZ1B (2.8)	ENSG00000235545 (2
C11orf9 (2.3)	CCDC121 (2.3)
CHMP3 (1.5)	DDB2 (1.4)
RIC8B (1.6)	C2orf53 (1.5)
CHMP3 (2.0)	COBLL1 (1.6)
SUGP1 (1.8)	NFE2L3 (1.8)
LINC00208 (1.4)	PTCD3 (1.1)
LINC00208 (1.2)	MTF2 (1.0)
LINC00208 (1.4)	PTCD3 (1.1)
LINC00208 (1.5)	PTCD3 (1.1)
ENSG00000256731 (2	TMEM175 (2.0)
JMJD1C (2.1)	PPM1G (2.1)
KRTCAP3 (2.0)	AGBL2 (2.0)
TECTB (1.8)	PMFBP1 (1.7)
REEP1 (2.3)	CILP2 (2.3)
SLC30A3 (1.9)	ZDHHC18 (1.8)
MPV17 (1.7)	CTDSPL2 (1.7)
LINC00208 (1.1)	ARFGAP2 (1.0)
MFAP1 (2.0)	BAZ1B (1.9)
MTMR9 (1.8)	CBLC (1.7)
C1QTNF4 (2.4)	TRNP1 (2.4)
CITED2 (2.0)	CCDC92 (1.9)
PLTP (2.2)	CTSB (2.2)

LINC00208 (1.5)	PTCD3 (1.2)
USP1 (1.4)	ENSG00000179523 (1
ENSG00000182329 (2	ENSG00000234945 (2
SUMO1 (1.2)	C8orf12 (1.2)
MFAP1 (2.0)	GPN1 (1.9)
ENSG00000223745 (2	MAPRE3 (1.9)
PTCD3 (1.2)	LINC00208 (1.1)
CASC4 (1.5)	NUP160 (1.5)
MAPRE3 (1.6)	PLA2G6 (1.6)
LINC00208 (1.4)	PTCD3 (1.1)
C1QTNF4 (2.0)	FNDC4 (1.9)
MADD (1.9)	CGREF1 (1.8)
DR1 (1.5)	SFN (1.4)
MADD (2.1)	EPB41L3 (1.9)
NFE2L3 (1.8)	CCDC92 (1.7)
C11orf49 (1.9)	FAM167A (1.8)
MTF2 (2.0)	ENSG00000235545 (1
HARBI1 (1.5)	ZNF512 (1.5)
LINC00208 (1.4)	PTCD3 (1.2)
LINC00208 (1.3)	PTCD3 (1.1)
PACSIN3 (1.8)	REEP1 (1.5)
KHK (1.8)	TSSK6 (1.6)
KHK (1.8)	TSSK6 (1.6)
KHK (1.8)	TSSK6 (1.6)
ENSG00000223522 (1	TMEM175 (1.8)
ENSG00000223522 (1	TMEM175 (1.8)
MTF2 (1.5)	PIGV (1.5)
ABO (1.6)	DNAJC5G (1.6)
LINC00208 (1.4)	PTCD3 (1.1)
CBLC (1.7)	ENSG00000223522 (1
EPB41L3 (2.1)	CGREF1 (2.0)
AMBRA1 (1.9)	CTDSPL2 (1.9)
ENSG00000182329 (1	CASC4 (1.7)
HAPLN4 (1.9)	HAVCR1 (1.7)
LINC00208 (1.4)	PTCD3 (1.1)
DNAJC5G (1.8)	FZD9 (1.8)
LINC00208 (1.4)	MRPL35 (1.2)
G6PC3 (1.8)	NOP58 (1.7)
LRP4 (1.5)	ACP2 (1.4)
USP1 (1.4)	C8orf12 (1.3)
TMEM175 (1.3)	ZNF512 (1.3)
BAZ1B (2.4)	MTF2 (2.3)
GATA4 (1.8)	FZD9 (1.7)
WDR76 (1.7)	FEN1 (1.6)
LPAR2 (1.5)	PAFAH1B2 (1.5)
LINC00208 (1.4)	MRPL35 (1.2)
MPP3 (1.9)	DUSP3 (1.8)
MAPK10 (2.1)	CGREF1 (2.0)
LINC00208 (1.4)	PTCD3 (1.1)
LPAL2 (1.3)	DNAH10 (1.2)

LINC00208 (1.5)	PTCD3 (1.1)
LINC00208 (1.3)	MRPL35 (1.2)
USP1 (1.4)	NEIL2 (1.3)
USP1 (1.4)	NEIL2 (1.3)
TP53BP1 (1.4)	MTCH2 (1.2)
CHMP3 (2.1)	TSSK6 (2.0)
LINC00208 (1.4)	PTCD3 (1.0)
SNX17 (2.0)	DR1 (2.0)
CGREF1 (2.0)	SDCBP (1.9)
PAFAH1B2 (1.8)	C2orf16 (1.7)
ENSG00000182329 (2	PBX4 (2.0)
PMFBP1 (2.1)	PAFAH1B2 (2.1)
MAP1A (1.8)	MYBPC3 (1.7)
LINC00208 (1.4)	PTCD3 (1.1)
NRBP1 (2.6)	PPM1G (2.5)
BLK (1.7)	ZDHHC18 (1.5)
C11orf9 (1.5)	SLC30A3 (1.4)
LINC00208 (1.4)	MRPL35 (1.1)
ENSG00000256746 (1	USP1 (1.6)
ENSG00000257711 (1	TDH (1.5)
PAFAH1B2 (1.8)	C2orf28 (1.8)
MPV17 (1.7)	BRE (1.4)
SDCBP (1.6)	TP53BP1 (1.6)
LPAL2 (1.5)	ENSG00000222035 (1
ZDHHC18 (1.7)	MPP3 (1.7)
MAMSTR (1.7)	FUT1 (1.7)
MAMSTR (1.7)	FUT1 (1.7)
MADD (1.8)	MAPK10 (1.7)
LINC00208 (1.2)	MRPL35 (1.1)
C11orf49 (2.0)	PAFAH1B2 (1.9)
REEP3 (1.7)	NRBF2 (1.5)
LINC00208 (1.4)	MRPL35 (1.2)
LINC00208 (1.4)	MRPL35 (1.2)
NEIL2 (1.6)	LPAL2 (1.6)
KBTBD4 (2.0)	WDR76 (2.0)
ZNF259 (1.9)	GPN1 (1.9)
UBXN2B (2.0)	SDCBP (1.8)
C1QTNF4 (2.0)	MAU2 (1.7)
AGBL5 (2.3)	RBKS (2.1)
C17orf105 (1.1)	CHMP3 (1.1)
GCKR (1.4)	ABHD1 (1.3)
MYBPC3 (1.9)	NR0B2 (1.5)
MAPRE3 (1.5)	C11orf9 (1.5)
HAPLN4 (1.8)	TSSK6 (1.7)
CELF1 (1.5)	DUSP3 (1.4)
SLC30A3 (2.0)	C1QTNF4 (1.9)
FNDC4 (1.8)	SLC30A3 (1.8)
ENSG00000182329 (1	SDC1 (1.5)
HDAC5 (1.7)	CELF1 (1.7)
ENSG00000200241 (2	FEN1 (2.0)

PPIP5K1 (2.0)	PLA2G6 (1.8)
LINC00208 (1.4)	PTCD3 (1.1)
C1QTNF4 (1.9)	SDCBP (1.9)
C8orf49 (1.7)	FNDC4 (1.6)
ENSG00000226645 (1	HDAC5 (1.8)
ARFGAP2 (1.9)	MAPRE3 (1.7)
ENSG00000223745 (1	IZUMO1 (1.4)
NAT2 (1.5)	ATP13A1 (1.5)
FAM167A (1.7)	MADD (1.7)
CASC4 (1.8)	AFF1 (1.5)
DUSP3 (1.7)	SFN (1.5)
TP53BP1 (1.4)	ZNF513 (1.4)
CKAP5 (2.7)	REEP1 (2.5)
MAPK10 (1.6)	MPP3 (1.6)
REEP1 (2.0)	UBXN2B (2.0)
REEP1 (2.0)	CCDC92 (1.9)
HAPLN4 (2.0)	PBX4 (1.9)
STRC (1.8)	BNC2 (1.7)
SUPT7L (1.8)	HAVCR1 (1.6)
MAP1A (1.6)	MPV17 (1.4)
MAP1A (1.6)	MPV17 (1.4)
MADD (1.9)	UBXN2B (1.9)
TRNP1 (2.3)	MAPRE3 (2.2)
MAP1A (1.8)	DUSP3 (1.7)
MAPRE3 (2.0)	TP53BP1 (1.9)
INTS10 (2.1)	CAD (2.1)
LINC00208 (1.4)	MRPL35 (1.1)
FAM167A (1.8)	TSSK6 (1.6)
SLC30A3 (2.0)	C11orf9 (1.8)
GPN1 (2.0)	ATG13 (2.0)
MAPRE3 (2.4)	MADD (2.3)
AGBL5 (1.9)	IZUMO1 (1.9)
CSGALNACT1 (1.5)	CMIP (1.4)
C11orf9 (1.7)	TXNL4B (1.7)
DNAH10 (1.9)	FEN1 (1.7)
ENSG00000257711 (1	FNDC4 (1.6)
MPP2 (1.6)	C1QTNF4 (1.6)
HDAC5 (1.6)	CCDC92 (1.5)
TSSK6 (1.8)	TRIM54 (1.8)
FUT1 (1.8)	KLF14 (1.7)
APOA4 (1.5)	FZD9 (1.4)
RBKS (1.5)	ENSG00000256746 (1
MAU2 (2.0)	NRBF2 (2.0)
CGREF1 (1.6)	ATG4C (1.4)
AMBRA1 (1.8)	ENSG00000234945 (1
SLC30A3 (2.0)	CELF1 (1.9)
ENSG00000226645 (1	BCAM (1.4)
PMFBP1 (1.3)	TXNL4B (1.3)
MPP3 (2.1)	C11orf9 (2.1)
BNC2 (1.6)	C17orf105 (1.5)

BNC2 (1.6)	C17orf105 (1.5)
TMEM175 (1.6)	UCN (1.5)
DPYSL5 (2.1)	C11orf9 (2.1)
IZUMO1 (1.9)	CCDC92 (1.8)
FADS1 (2.0)	PLA2G6 (2.0)
C1QTNF4 (2.0)	MADD (1.9)
SUGP1 (2.1)	FGF21 (2.0)
BCL7B (1.8)	LPAR2 (1.7)
PCSK7 (1.2)	DOCK6 (1.2)
AGBL2 (1.7)	HARBI1 (1.7)
AGBL2 (1.7)	HARBI1 (1.7)
ENSG00000182329 (2	ARHGAP1 (1.8)
ENSG00000182329 (2	ARHGAP1 (1.8)
ENSG00000223745 (2	SNX17 (1.6)
MPP3 (1.8)	FRMD5 (1.7)
NRBP1 (1.8)	TMEM175 (1.8)
PLA2G6 (1.6)	ABHD1 (1.6)
LRP4 (1.8)	FRMD5 (1.7)
C11orf49 (2.0)	PPIP5K1 (1.9)
PLA2G6 (2.0)	MAU2 (1.8)
SDCBP (1.9)	UBXN2B (1.8)
POLR1A (2.3)	KBTBD4 (2.3)
SUPT7L (1.9)	RIC8B (1.9)
CASC4 (1.9)	NUP160 (1.8)
SLC30A3 (1.6)	PTPRJ (1.6)
CCDC92 (2.0)	FNDC4 (2.0)
HAPLN4 (2.0)	CATSPER2 (1.9)
C1QTNF4 (1.9)	FADS1 (1.9)
NRBF2 (2.0)	RFX4 (1.8)
CCDC92 (2.0)	C1QTNF4 (2.0)
AGBL5 (1.8)	CBLC (1.7)
TXNL4B (1.6)	PIGV (1.6)
TSSK6 (1.8)	ENSG00000255020 (1
C11orf49 (2.0)	FADS1 (1.9)
PPY (2.0)	BRE (1.9)
MAP1A (2.1)	DPYSL5 (2.1)
ZNF512 (1.3)	NAT2 (1.3)
SLC30A3 (1.6)	G6PC3 (1.5)
C17orf105 (1.2)	MRPL33 (1.1)
CSGALNACT1 (1.3)	BNC2 (1.2)
C11orf49 (2.0)	FADS1 (1.9)
C11orf49 (1.9)	CCDC92 (1.8)
DDB2 (1.3)	PTCD3 (1.3)
PPIP5K1 (2.0)	TP53BP1 (1.9)
C11orf49 (2.0)	MADD (2.0)
LPAL2 (1.9)	ENSG00000223745 (1
C1QTNF4 (1.8)	REEP1 (1.8)
NEIL2 (1.5)	ENSG00000236267 (1
NEIL2 (1.5)	ENSG00000236267 (1
NEIL2 (1.5)	ENSG00000236267 (1

C1QTNF4 (2.0)	FADS1 (1.9)
FRMD5 (1.6)	C17orf105 (1.5)
STRC (1.8)	ENSG00000256746 (1
C11orf49 (1.9)	FADS1 (1.9)
DNAJC5G (1.5)	MPV17 (1.5)
BCL7B (1.9)	SOST (1.7)
AGBL5 (1.3)	G6PC3 (1.3)
SUGP1 (1.5)	C11orf49 (1.5)
KANK2 (1.2)	LPAL2 (1.1)
C1QTNF4 (1.8)	ENSG00000235545 (1
SLC30A3 (1.8)	SDCBP (1.8)
AFF1 (1.2)	PLA2G6 (1.2)
ZNF408 (1.7)	FEN1 (1.7)
PPIP5K1 (2.0)	C11orf49 (1.9)
FNDC4 (2.0)	MAP1A (2.0)
MPP3 (2.1)	LPAR2 (2.0)
ZNF408 (2.3)	SLC30A3 (2.1)
KBTBD4 (1.5)	UBXN2B (1.5)
KBTBD4 (1.5)	UBXN2B (1.5)
WDR76 (1.4)	BUD13 (1.3)
MAMSTR (1.3)	FNBP4 (1.3)
TUBGCP4 (2.4)	CASC4 (2.3)
ARHGAP1 (1.9)	REEP1 (1.8)
C2orf53 (2.4)	STRC (2.3)
MTF2 (1.2)	LINC00208 (1.2)
DDB2 (1.8)	ZNF512 (1.8)
PBX4 (1.6)	MADD (1.6)
FUT1 (1.8)	PBX4 (1.8)
DDB2 (1.6)	ACP2 (1.5)
NRBP1 (2.0)	ARHGAP1 (2.0)
C11orf49 (1.9)	C1QTNF4 (1.9)
C11orf49 (1.8)	FAM167A (1.7)
MYBPC3 (1.7)	C1QTNF4 (1.7)
TUBGCP4 (1.5)	NUP160 (1.4)
DNAH10 (1.8)	NCAN (1.8)
MAP1A (2.0)	C11orf49 (1.9)
MADD (2.3)	TRNP1 (1.9)
C11orf9 (2.0)	TRNP1 (1.9)
C11orf9 (2.0)	TRNP1 (1.9)
C1QTNF4 (1.7)	CGREF1 (1.6)
PPIP5K1 (1.9)	FADS1 (1.9)
MTMR9 (1.5)	MAU2 (1.5)
PPIP5K1 (1.9)	C1QTNF4 (1.9)
MAP1A (2.1)	MAPRE3 (2.0)
CGREF1 (2.0)	FNDC4 (2.0)
FADS1 (1.9)	C11orf49 (1.9)
NEIL2 (1.5)	FNDC4 (1.5)
NUP160 (2.2)	CCDC121 (2.2)
TRNP1 (1.7)	CGREF1 (1.5)
C11orf49 (1.9)	ENSG00000253379 (1

NCAN (2.0)	FUT2 (2.0)
MRPL33 (1.6)	MYBPC3 (1.5)
DPYSL5 (1.8)	AGBL5 (1.4)
EPB41L3 (1.9)	MAP1A (1.9)
ENSG00000256731 (1	AMBRA1 (1.6)
MADD (2.0)	PPIP5K1 (1.8)
ENSG00000256746 (1	WDR76 (1.3)
MPP2 (1.8)	ATG13 (1.7)
DOCK6 (1.5)	FGF21 (1.4)
PBX4 (2.5)	IZUMO1 (2.4)
CGREF1 (1.8)	SLC30A3 (1.8)
KBTBD4 (1.7)	SIDT2 (1.7)
FNDC4 (1.8)	MADD (1.7)
CGREF1 (1.8)	MAPK10 (1.8)
LRP4 (1.5)	OST4 (1.5)
ZNF335 (1.7)	GPN1 (1.7)
NCAN (1.8)	FNDC4 (1.7)
CELF1 (1.8)	GMIP (1.7)
ENSG00000254235 (1	ENSG00000182329 (1
EPB41L3 (1.4)	NUP160 (1.4)
ENSG00000256746 (1	BCL7B (1.3)
IZUMO1 (1.2)	FRMD5 (1.1)
DNAJC5G (1.4)	ENSG00000255020 (1
DNAJC5G (1.9)	CATSPER2 (1.8)
TMEM101 (1.7)	ENSG00000179523 (1
TMEM101 (1.7)	ENSG00000179523 (1
TMEM101 (1.7)	ENSG00000179523 (1
DDB2 (1.7)	CCDC121 (1.6)
DDB2 (1.7)	CCDC121 (1.6)
TP53BP1 (1.6)	SIK3 (1.6)
C17orf105 (1.6)	AGBL2 (1.3)
STRC (1.6)	TECTB (1.2)
PTPMT1 (1.2)	MPP3 (1.2)
MAPRE3 (1.4)	KRTCAP3 (1.4)
NCAN (1.6)	LPAL2 (1.4)
MAP1A (1.8)	BCL7B (1.7)
CTDSPL2 (1.5)	FEN1 (1.4)
MAMSTR (1.4)	ABHD1 (1.3)
PTPN13 (1.6)	MAPRE3 (1.6)
MAMSTR (1.9)	TAGLN (1.7)
C8orf49 (2.0)	CYP26A1 (1.9)
MAPK10 (1.8)	CHMP3 (1.7)
C17orf105 (1.5)	SUPT7L (1.4)
SPG11 (1.8)	FGF21 (1.8)
MAPRE3 (1.2)	MRPL33 (1.2)
ATG4C (1.2)	C11orf49 (1.2)
MADD (1.4)	HDAC5 (1.4)
NUP160 (1.8)	LINC00208 (1.8)
ENSG00000182329 (1	PBX4 (1.7)
TDH (2.0)	UBXN2B (1.8)

FAM167A (1.6)	C17orf105 (1.5)
WDR76 (1.5)	CCDC121 (1.5)
TMEM101 (1.6)	ENSG00000256746 (1
DPYSL5 (2.0)	NR0B2 (2.0)
MAPRE3 (2.1)	MADD (2.0)
REEP1 (1.7)	DUSP3 (1.6)
TSSK6 (1.7)	TRIM54 (1.6)
CASC4 (2.4)	LPAR2 (1.9)
C2orf16 (1.9)	FRMD5 (1.8)
DPYSL5 (2.2)	TP53BP1 (2.2)
LINC00208 (1.9)	MFAP1 (1.8)
LINC00208 (1.9)	MFAP1 (1.8)
ENSG00000256731 (1	NCAN (1.6)
C1QTNF4 (1.8)	MAP1A (1.7)
MAPRE3 (2.2)	TRNP1 (2.1)
SLC30A3 (2.2)	CCDC92 (2.2)
AGBL2 (1.4)	C1QTNF4 (1.4)
KHK (1.9)	MPP3 (1.8)
NUP160 (1.9)	LINC00208 (1.8)
CSGALNACT1 (2.3)	TAGLN (2.2)
ENSG00000236267 (1	ENSG00000222035 (1
PMFBP1 (1.4)	C17orf105 (1.4)
MAPRE3 (1.7)	ENSG00000256731 (1
MAPRE3 (1.7)	ENSG00000256731 (1
C17orf105 (1.9)	CGREF1 (1.9)
CCDC92 (2.0)	FNDC4 (1.9)
UBXN2B (1.4)	ENSG00000182329 (1
UBXN2B (1.4)	ENSG00000182329 (1
C11orf49 (2.0)	TP53BP1 (1.9)
PTPMT1 (1.6)	KDM3A (1.5)
ENSG00000226645 (1	MPP2 (1.2)
HDAC5 (1.6)	STRC (1.5)
MAPRE3 (1.7)	HAVCR1 (1.7)
MADD (2.2)	C11orf49 (2.2)
CATSPER2 (1.7)	AGBL5 (1.7)
DNAH10 (1.4)	C11orf49 (1.3)
MFAP1 (1.7)	ABHD1 (1.7)
HARBI1 (1.4)	PIGV (1.3)
ENSG00000256731 (1	PPIP5K1 (1.6)
REEP1 (1.6)	MADD (1.6)
LPAL2 (1.5)	AGBL2 (1.4)
FEN1 (1.9)	CCDC121 (1.7)
C11orf49 (1.4)	FUT1 (1.3)
SLC30A3 (1.4)	C8orf49 (1.3)
C1orf172 (1.5)	C11orf49 (1.5)
TXNL4B (1.8)	OST4 (1.8)
TRNP1 (1.7)	TBL2 (1.7)
TRNP1 (1.7)	TBL2 (1.7)
NCAN (2.1)	PPIP5K1 (2.0)
ENSG00000200241 (2	ENSG00000255020 (2

GPN2 (1.3)	UBXN2B (1.3)
LRP4 (1.5)	MPP3 (1.4)
SUPT7L (1.5)	HARBI1 (1.4)
PTPMT1 (1.2)	UCN (1.2)
MAPRE3 (1.7)	ENSG00000256731 (1
MPP2 (1.8)	REEP1 (1.8)
MPP2 (1.8)	REEP1 (1.8)
TECTB (1.6)	ABHD1 (1.5)
REEP1 (1.9)	PYY (1.8)
PYY (1.9)	REEP1 (1.9)
PTPMT1 (1.2)	UCN (1.2)
CCDC121 (1.5)	ENSG00000223522 (1
MADD (1.4)	TRNP1 (1.4)
C11orf49 (1.5)	TSSK6 (1.5)
PTPMT1 (1.5)	CLPTM1 (1.5)
MAPRE3 (2.0)	FGF21 (1.8)
ENSG00000223522 (1	ENSG00000235545 (1
FUT1 (1.7)	TRIM54 (1.7)
MADD (1.6)	FUT1 (1.6)
MADD (1.6)	FUT1 (1.6)
RIC8B (1.6)	MYBPC3 (1.6)
MAMSTR (1.9)	MAPRE3 (1.8)
C8orf12 (1.4)	ENSG00000256746 (1
C8orf12 (1.4)	ENSG00000256746 (1
STRC (1.5)	HAVCR1 (1.4)

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Supplementary Table 34: DEPICT Tissue and Cell Type Enrichment Analysis Results for the genome

DEPICT uses 37,427 human Affymetrix HGUI133a2.2 platform microarrays to infer whether genes ha
expression levels derived from repeating the averaging process 1000 times based on random loci ma

MeSH term	Name	MeSH first level term
A10.165.114.830.500.750	Subcutaneous Fat Abdominal	Tissues
A10.165.114.830.500	Abdominal Fat	Tissues
A10.165.114	Adipose Tissue	Tissues
A10.165.114.830.750	Subcutaneous Fat	Tissues
A10.165.114.830	Adipose Tissue White	Tissues
A03.620	Liver	Digestive System
A06.407.071.140	Adrenal Cortex	Endocrine System
A11.436.348	Hepatocytes	Cells
A11.329.114	Adipocytes	Cells
A06.407.071	Adrenal Glands	Endocrine System
A03.556.249.124	Ileum	Digestive System
A15.378.316	Bone Marrow Cells	Hemic and Immune Systems
A15.378	Hematopoietic System	Hemic and Immune Systems
A03.556.124.684	Intestine Small	Digestive System
A15.382.680	Phagocytes	Hemic and Immune Systems
A11.627	Myeloid Cells	Cells
A15.378.316.580	Monocytes	Hemic and Immune Systems
A15.382.490.315.583	Neutrophils	Hemic and Immune Systems
A11.118.637.415	Granulocytes	Cells
A02.165	Cartilage	Musculoskeletal System
A15.382.812	Mononuclear Phagocyte System	Hemic and Immune Systems
A11.066	Antigen Presenting Cells	Cells
A15.382.812.260	Dendritic Cells	Hemic and Immune Systems
A07.231.114	Arteries	Cardiovascular System
A02.835.583.443.800.800	Synovial Fluid	Musculoskeletal System
A03.734	Pancreas	Digestive System
A15.382.812.522	Macrophages	Hemic and Immune Systems
A03.556.875.875	Stomach	Digestive System
A11.436	Epithelial Cells	Cells
A03.556.875	Upper Gastrointestinal Tract	Digestive System
A11.329.171	Chondrocytes	Cells
A05.360.319.887	Vulva	Urogenital System
A06.407.312.497.535.300.500	Cumulus Cells	Endocrine System
A11.436.329	Granulosa Cells	Cells
A05.360.319.114.630.535	Ovarian Follicle	Urogenital System
A10.615.789	Serous Membrane	Tissues
A11.118.637.555.567.562.440	Precursor Cells B Lymphoid	Cells
A11.872.378.294	Lymphoid Progenitor Cells	Cells
A05.810.890	Urinary Bladder	Urogenital System
A11.329	Connective Tissue Cells	Cells
A04.411	Lung	Respiratory System
A15.145.300	Fetal Blood	Hemic and Immune Systems
A02.835.583.443.800	Synovial Membrane	Musculoskeletal System

A02.835.583	Joints	Musculoskeletal System
A02.835.583.443	Joint Capsule	Musculoskeletal System
A11.872.190.260	Embryoid Bodies	Cells
A15.145	Blood	Hemic and Immune Systems
A03.556.124.526.767	Rectum	Digestive System
A11.329.372.600	Macrophages Alveolar	Cells
A10.615.284	Extraembryonic Membranes	Tissues
A10.615.284.473	Chorion	Tissues
A17.815	Skin	Integumentary System
A15.145.229	Blood Cells	Hemic and Immune Systems
A11.382	Endocrine Cells	Cells
A03.556.249	Lower Gastrointestinal Tract	Digestive System
A03.556.249.249.209	Cecum	Digestive System
A05.360.319.679.256	Cervix Uteri	Urogenital System
A11.118.637	Leukocytes	Cells
A15.382.520.604.700	Spleen	Hemic and Immune Systems
A11.436.397	Keratinocytes	Cells
A05.810	Urinary Tract	Urogenital System
A03.556.249.249	Intestine Large	Digestive System
A05.810.453	Kidney	Urogenital System
A03.556.249.249.356	Colon	Digestive System
A10.615.550.599	Mouth Mucosa	Tissues
A11.872.653	Neural Stem Cells	Cells
A03.556.249.249.356.668	Colon Sigmoid	Digestive System
A03.556.124	Intestines	Digestive System
A02.835.232.043	Bones of Lower Extremity	Musculoskeletal System
A03.556.875.500	Esophagus	Digestive System
A09.371.337.168	Conjunctiva	Sense Organs
A09.371.337	Eyelids	Sense Organs
A06.407.900	Thyroid Gland	Endocrine System
A11.627.340.360	Granulocyte Precursor Cells	Cells
A09.371.060	Anterior Eye Segment	Sense Organs
A02.835.232.043.300	Foot Bones	Musculoskeletal System
A02.835.232.043.300.710	Tarsal Bones	Musculoskeletal System
A07.541.510	Heart Valves	Cardiovascular System
A07.541.510.110	Aortic Valve	Cardiovascular System
A07.231	Blood Vessels	Cardiovascular System
A05.360.319.679.690	Myometrium	Urogenital System
A03.556	Gastrointestinal Tract	Digestive System
A10.615.550.760	Respiratory Mucosa	Tissues
A09.531	Nose	Sense Organs
A04.531.520	Nasal Mucosa	Respiratory System
A05.360.319.114.373	Fallopian Tubes	Urogenital System
A14.549.167.646	Periodontium	Stomatognathic System
A10.272.497	Epidermis	Tissues
A10.272	Epithelium	Tissues
A11.872.378.590.817	Megakaryocyte Erythroid Progenitor Cells	Cells
A15.378.316.378.590.837.250	Erythroid Precursor Cells	Hemic and Immune Systems
A08.186.211.653	Mesencephalon	Nervous System
A10.615	Membranes	Tissues

A03.556.500.760.464	Parotid Gland	Digestive System
A07.541.560	Heart Ventricles	Cardiovascular System
A05.360.319.114	Adnexa Uteri	Urogenital System
A05.360.319.114.630	Ovary	Urogenital System
A05.360.319	Genitalia Female	Urogenital System
A07.541	Heart	Cardiovascular System
A06.407	Endocrine Glands	Endocrine System
A10.690.467	Muscle Smooth	Tissues
A11.872.378.590.635	Granulocyte Macrophage Progenitor Cells	Cells
A03.556.500.760	Salivary Glands	Digestive System
A15.382	Immune System	Hemic and Immune Systems
A11.872.378	Hematopoietic Stem Cells	Cells
A07.231.908	Veins	Cardiovascular System
A10.615.550	Mucous Membrane	Tissues
A15.145.229.637.555	Leukocytes Mononuclear	Hemic and Immune Systems
A08.186.211.464.405	Hippocampus	Nervous System
A05.810.453.324	Kidney Cortex	Urogenital System
A11.627.635	Myeloid Progenitor Cells	Cells
A11.627.624.249	Monocyte Macrophage Precursor Cells	Cells
A11.620.520	Myocytes Smooth Muscle	Cells
A11.620	Muscle Cells	Cells
A08.186.211.730.885.287.249	Corpus Striatum	Nervous System
A05.360.319.679	Uterus	Urogenital System
A07.231.908.670	Portal System	Cardiovascular System
A07.231.908.670.874	Umbilical Veins	Cardiovascular System
A10.690.552.500	Muscle Skeletal	Tissues
A10.690.552	Muscle Striated	Tissues
A08.186.211.730.885.287.500	Parietal Lobe	Nervous System
A08.186.211.730.885.287.249	Basal Ganglia	Nervous System
A11.382.625	Enteroendocrine Cells	Cells
A11.436.294.064	Glucagon Secreting Cells	Cells
A10.690	Muscles	Tissues
A15.145.229.334	Erythrocytes	Hemic and Immune Systems
A14.549.167	Dentition	Stomatognathic System
A02.633.567.850	Quadriceps Muscle	Musculoskeletal System
A06.407.312	Gonads	Endocrine System
A08.186.211.730.317	Diencephalon	Nervous System
A11.872.700.500	Induced Pluripotent Stem Cells	Cells
A11.872.700	Pluripotent Stem Cells	Cells
A11.443	Erythroid Cells	Cells
A14.549	Mouth	Stomatognathic System
A10.549.400	Lymph Nodes	Tissues
A11.329.629	Osteoblasts	Cells
A11.872.190	Embryonic Stem Cells	Cells
A08.186	Central Nervous System	Nervous System
A08.186.211.464	Limbic System	Nervous System
A08.186.211	Brain	Nervous System
A08.186.211.464.710.225	Entorhinal Cortex	Nervous System
A08.186.211.464.710	Parahippocampal Gyrus	Nervous System
A11.436.275	Endothelial Cells	Cells

A08.186.211.730.885.287.500	Temporal Lobe	Nervous System
A10.336	Exocrine Glands	Tissues
A10.336.707	Prostate	Tissues
A03.734.414	Islets of Langerhans	Digestive System
A15.145.229.188	Blood Platelets	Hemic and Immune Systems
A08.186.211.132	Brain Stem	Nervous System
A09.371	Eye	Sense Organs
A03.556.124.369	Intestinal Mucosa	Digestive System
A11.872.040	Adult Stem Cells	Cells
A08.186.211.730	Prosencephalon	Nervous System
A08.186.211.730.885	Telencephalon	Nervous System
A15.382.520	Lymphatic System	Hemic and Immune Systems
A10.549	Lymphoid Tissue	Tissues
A08.186.211.730.885.287	Cerebrum	Nervous System
A08.186.211.730.885.287.500	Cerebral Cortex	Nervous System
A05.360	Genitalia	Urogenital System
A08.186.211.132.810.428.200	Cerebellum	Nervous System
A15.382.490.555.567.537	Killer Cells Natural	Hemic and Immune Systems
A08.186.211.865.428	Metencephalon	Nervous System
A08.186.211.865	Rhombencephalon	Nervous System
A11.329.830	Stromal Cells	Cells
A10.165	Connective Tissue	Tissues
A15.145.846	Serum	Hemic and Immune Systems
A08.186.211.730.317.357	Hypothalamus	Nervous System
A05.360.319.679.490	Endometrium	Urogenital System
A11.118.637.555.567.569.200	T Lymphocytes Regulatory	Cells
A15.382.216	Bone Marrow	Hemic and Immune Systems
A08.713	Neurosecretory Systems	Nervous System
A08.186.211.730.317.357.352	Hypothalamo Hypophyseal System	Nervous System
A08.186.211.730.317.357.352	Hypothalamus Middle	Nervous System
A15.145.229.637.555.567.569	CD4 Positive T Lymphocytes	Hemic and Immune Systems
A05.360.444	Genitalia Male	Urogenital System
A02.835	Skeleton	Musculoskeletal System
A02.835.232	Bone and Bones	Musculoskeletal System
A07.541.358	Heart Atria	Cardiovascular System
A11.872.580	Mesenchymal Stem Cells	Cells
A07.541.358.100	Atrial Appendage	Cardiovascular System
A05.360.490.690	Ovum	Urogenital System
A11.497.497.600	Oocytes	Cells
A08.186.211.730.885.287.500	Frontal Lobe	Nervous System
A15.145.693	Plasma	Hemic and Immune Systems
A15.145.229.637.555.567.562	Plasma Cells	Hemic and Immune Systems
A11.063	Antibody Producing Cells	Cells
A11.118.637.555.567.562	B Lymphocytes	Cells
A11.118.637.555.567.569	T Lymphocytes	Cells
A11.872	Stem Cells	Cells
A02.835.232.834.151	Cervical Vertebrae	Musculoskeletal System
A09.371.729	Retina	Sense Organs
A02.835.232.834	Spine	Musculoskeletal System
A15.382.490.555.567	Lymphocytes	Hemic and Immune Systems

A05.360.444.492	Penis	Urogenital System
A05.360.444.492.362	Foreskin	Urogenital System
A05.360.490	Germ Cells	Urogenital System
A15.382.490.555.567.622	Lymphocytes Null	Hemic and Immune Systems
A10.165.450	Granulation Tissue	Tissues
A10.165.450.300	Cicatrix	Tissues
A11.329.228	Fibroblasts	Cells
A10.165.450.300.425	Keloid	Tissues
A15.382.520.604.800	Palatine Tonsil	Hemic and Immune Systems
A04.623.603	Oropharynx	Respiratory System
A08.186.211.730.885.287.500	Occipital Lobe	Nervous System
A08.186.211.730.885.287.500	Visual Cortex	Nervous System
A14.724.557	Nasopharynx	Stomatognathic System
A14.549.885	Tongue	Stomatognathic System
A06.407.312.782	Testis	Endocrine System
A14.724	Pharynx	Stomatognathic System

-wide significant (P2df < 5×10-8) HDL-cholesterol loci

arboring the identified loci are enriched for high expression in 209 MeSH (Medical Sub
atched by gene density. False-discovery rates (FDR) are obtained from repeating the p

MeSH second level term	Nominal P value	False discovery rate	Tissue-specific expression Z score gene 1
Connective Tissue	5.30E-05	**<0.01**	CD300LG (5.5)
Connective Tissue	5.30E-05	**<0.01**	CD300LG (5.5)
Connective Tissue	9.10E-05	**<0.01**	CD300LG (4.2)
Connective Tissue	1.78E-04	**<0.01**	CD300LG (4.7)
Connective Tissue	1.78E-04	**<0.01**	CD300LG (4.7)
Liver	4.56E-04	**<0.01**	LPA (11.8)
Endocrine Glands	1.32E-03	**<0.05**	SCARB1 (5.6)
Epithelial Cells	1.38E-03	**<0.05**	APOB (9.0)
Connective Tissue Cells	1.68E-03	**<0.05**	GPAM (4.4)
Endocrine Glands	1.74E-03	**<0.05**	SCARB1 (4.8)
Gastrointestinal Tract	3.09E-03	**<0.05**	APOA4 (7.6)
Hematopoietic System	5.13E-03	**<0.05**	LILRA3 (3.4)
Hematopoietic System	5.13E-03	**<0.05**	LILRA3 (3.4)
Gastrointestinal Tract	5.52E-03	<0.20	APOA4 (4.8)
Immune System	6.06E-03	<0.20	SPI1 (3.3)
Myeloid Cells	6.55E-03	<0.20	SPI1 (3.1)
Hematopoietic System	9.80E-03	<0.20	CCL22 (3.9)
Immune System	9.93E-03	<0.20	ZDHHC18 (7.3)
Blood Cells	0.01	<0.20	ZDHHC18 (6.5)
Cartilage	0.01	<0.20	FZD9 (7.3)
Immune System	0.02	<0.20	CCL22 (3.9)
Antigen-Presenting Cells	0.02	<0.20	CCL17 (8.0)
Immune System	0.02	<0.20	CCL17 (8.0)
Blood Vessels	0.02	<0.20	PDE3A (3.3)
Skeleton	0.03	>=0.20	OASL (3.4)
Pancreas	0.03	>=0.20	PPY (10.4)
Immune System	0.04	>=0.20	NR1H3 (3.0)
Gastrointestinal Tract	0.04	>=0.20	MST1R (2.7)
Epithelial Cells	0.05	>=0.20	ENSG00000181123 (3.8)
Gastrointestinal Tract	0.06	>=0.20	MST1R (2.4)
Connective Tissue Cells	0.07	>=0.20	SLC39A13 (2.6)
Genitalia	0.09	>=0.20	SFN (2.8)
Endocrine Glands	0.1	>=0.20	ST3GAL4 (5.1)
Epithelial Cells	0.1	>=0.20	ST3GAL4 (5.1)
Genitalia	0.1	>=0.20	ST3GAL4 (5.1)
Membranes	0.12	>=0.20	PLTP (1.7)
Blood Cells	0.16	>=0.20	INTS10 (4.5)
Stem Cells	0.16	>=0.20	INTS10 (4.5)
Urinary Tract	0.16	>=0.20	GRB7 (2.1)
Connective Tissue Cells	0.16	>=0.20	PLA2G15 (2.0)
Lung	0.16	>=0.20	SEC14L4 (2.0)
Blood	0.16	>=0.20	EPB42 (7.8)
Skeleton	0.17	>=0.20	RSPO3 (2.7)

Skeleton	0.17 >=0.20	RSPO3 (2.7)
Skeleton	0.17 >=0.20	RSPO3 (2.7)
Stem Cells	0.18 >=0.20	DOK4 (3.7)
Blood	0.19 >=0.20	EPB42 (2.6)
Gastrointestinal Tract	0.19 >=0.20	MST1R (2.8)
Connective Tissue Cells	0.19 >=0.20	PTPMT1 (4.3)
Membranes	0.2 >=0.20	SLC12A4 (2.8)
Membranes	0.2 >=0.20	SLC12A4 (2.8)
Skin	0.21 >=0.20	SFN (2.2)
Blood	0.21 >=0.20	DPEP2 (2.0)
Endocrine Cells	0.23 >=0.20	ST3GAL4 (3.1)
Gastrointestinal Tract	0.24 >=0.20	MST1R (2.7)
Gastrointestinal Tract	0.26 >=0.20	MST1R (2.9)
Genitalia	0.26 >=0.20	SFN (1.7)
Blood Cells	0.27 >=0.20	ZDHHC18 (1.8)
Immune System	0.27 >=0.20	CETP (3.4)
Epithelial Cells	0.28 >=0.20	MBD1 (4.0)
Urinary Tract	0.28 >=0.20	SLC12A3 (4.9)
Gastrointestinal Tract	0.29 >=0.20	MST1R (2.8)
Urinary Tract	0.3 >=0.20	SLC12A3 (5.4)
Gastrointestinal Tract	0.3 >=0.20	MST1R (2.8)
Membranes	0.32 >=0.20	NPEPPS (4.0)
Stem Cells	0.32 >=0.20	MMAB (4.4)
Gastrointestinal Tract	0.33 >=0.20	MST1R (2.8)
Gastrointestinal Tract	0.34 >=0.20	MST1R (2.7)
Skeleton	0.38 >=0.20	ENSG00000247445 (2.6)
Gastrointestinal Tract	0.39 >=0.20	GRB7 (2.4)
Eye	0.39 >=0.20	ENSG00000247445 (2.8)
Eye	0.39 >=0.20	ENSG00000247445 (2.8)
Endocrine Glands	0.39 >=0.20	LIPG (3.5)
Myeloid Cells	0.39 >=0.20	CCDC18 (4.0)
Eye	0.4 >=0.20	ENSG00000247445 (2.8)
Skeleton	0.4 >=0.20	LPA (2.6)
Skeleton	0.4 >=0.20	LPA (2.6)
Heart	0.4 >=0.20	SOST (6.1)
Heart	0.4 >=0.20	SOST (6.1)
Blood Vessels	0.42 >=0.20	SLC12A4 (2.7)
Genitalia	0.42 >=0.20	RSPO3 (3.8)
Gastrointestinal Tract	0.42 >=0.20	MST1R (2.3)
Membranes	0.43 >=0.20	AGBL2 (6.4)
Nose	0.43 >=0.20	AGBL2 (6.4)
Nose	0.43 >=0.20	AGBL2 (6.4)
Genitalia	0.45 >=0.20	BCAM (3.2)
Mouth	0.48 >=0.20	TGM7 (9.1)
Epithelium	0.49 >=0.20	CENPT (5.3)
Epithelium	0.5 >=0.20	AGBL2 (3.9)
Stem Cells	0.52 >=0.20	YDJC (5.3)
Hematopoietic System	0.52 >=0.20	YDJC (5.3)
Central Nervous System	0.53 >=0.20	MPP2 (3.3)
Membranes	0.56 >=0.20	PYY (3.3)

Gastrointestinal Tract	0.57 >=0.20	ACAA2 (3.2)
Heart	0.58 >=0.20	MYBPC3 (6.3)
Genitalia	0.59 >=0.20	BCAM (2.6)
Genitalia	0.59 >=0.20	BCAM (2.6)
Genitalia	0.6 >=0.20	BCAM (1.7)
Heart	0.6 >=0.20	MYBPC3 (5.9)
Endocrine Glands	0.6 >=0.20	BCAM (2.0)
Muscles	0.61 >=0.20	SOST (3.1)
Stem Cells	0.61 >=0.20	TMEM62 (2.8)
Gastrointestinal Tract	0.61 >=0.20	ACAA2 (3.1)
Immune System	0.62 >=0.20	OR4A1P (1.4)
Stem Cells	0.63 >=0.20	CCDC18 (2.3)
Blood Vessels	0.63 >=0.20	DOCK6 (3.4)
Membranes	0.64 >=0.20	PYY (4.0)
Blood	0.64 >=0.20	BMP8A (1.9)
Central Nervous System	0.64 >=0.20	NEUROD2 (3.7)
Urinary Tract	0.64 >=0.20	SLC12A3 (6.4)
Myeloid Cells	0.66 >=0.20	YDJC (2.6)
Myeloid Cells	0.66 >=0.20	TMEM62 (4.0)
Muscle Cells	0.67 >=0.20	SOST (4.7)
Muscle Cells	0.67 >=0.20	SOST (4.7)
Central Nervous System	0.68 >=0.20	TNKS (5.5)
Genitalia	0.69 >=0.20	TRPS1 (1.6)
Blood Vessels	0.7 >=0.20	DOCK6 (3.5)
Blood Vessels	0.7 >=0.20	DOCK6 (3.5)
Muscles	0.71 >=0.20	RAPSN (6.9)
Muscles	0.71 >=0.20	RAPSN (6.9)
Central Nervous System	0.72 >=0.20	MT1M (3.2)
Central Nervous System	0.72 >=0.20	C11orf9 (4.0)
Endocrine Cells	0.73 >=0.20	TUBGCP4 (2.8)
Epithelial Cells	0.73 >=0.20	TUBGCP4 (2.8)
Muscles	0.74 >=0.20	RAPSN (4.8)
Blood	0.74 >=0.20	C17orf57 (3.7)
Mouth	0.74 >=0.20	TGM7 (5.8)
Muscles	0.74 >=0.20	RAPSN (7.0)
Endocrine Glands	0.74 >=0.20	BCAM (2.4)
Central Nervous System	0.75 >=0.20	MPP2 (3.5)
Stem Cells	0.75 >=0.20	CYP26A1 (3.8)
Stem Cells	0.75 >=0.20	CYP26A1 (3.8)
Erythroid Cells	0.75 >=0.20	C17orf57 (3.6)
Mouth	0.75 >=0.20	TGM5 (2.7)
Lymphoid Tissue	0.76 >=0.20	CETP (4.6)
Connective Tissue Cells	0.76 >=0.20	KCTD10 (3.8)
Stem Cells	0.76 >=0.20	CYP26A1 (3.8)
Central Nervous System	0.77 >=0.20	PTPRZ1 (2.0)
Central Nervous System	0.77 >=0.20	NEUROD2 (3.2)
Central Nervous System	0.78 >=0.20	PTPRZ1 (2.0)
Central Nervous System	0.78 >=0.20	GNAO1 (3.1)
Central Nervous System	0.78 >=0.20	GNAO1 (3.1)
Epithelial Cells	0.78 >=0.20	DOCK6 (3.0)

Central Nervous System	0.79	>=0.20	GNAO1 (3.0)
Exocrine Glands	0.8	>=0.20	ZNF613 (5.0)
Exocrine Glands	0.81	>=0.20	ZNF613 (5.5)
Pancreas	0.81	>=0.20	TUBGCP4 (2.3)
Blood	0.82	>=0.20	C17orf57 (8.6)
Central Nervous System	0.83	>=0.20	MPP3 (4.0)
Eye	0.83	>=0.20	PRMT7 (2.3)
Gastrointestinal Tract	0.84	>=0.20	PYY (9.7)
Stem Cells	0.85	>=0.20	CYP26A1 (3.7)
Central Nervous System	0.85	>=0.20	GNAO1 (2.7)
Central Nervous System	0.85	>=0.20	NEUROD2 (2.8)
Immune System	0.86	>=0.20	CETP (3.7)
Lymphoid Tissue	0.86	>=0.20	CETP (3.7)
Central Nervous System	0.86	>=0.20	NEUROD2 (2.9)
Central Nervous System	0.87	>=0.20	NEUROD2 (3.1)
Genitalia	0.87	>=0.20	BCAM (1.7)
Central Nervous System	0.87	>=0.20	MPP3 (5.3)
Immune System	0.89	>=0.20	NFATC3 (2.7)
Central Nervous System	0.89	>=0.20	MPP3 (5.0)
Central Nervous System	0.89	>=0.20	MPP3 (5.0)
Connective Tissue Cells	0.89	>=0.20	B3GNT9 (2.8)
Connective Tissue	0.89	>=0.20	EPB42 (2.1)
Blood	0.89	>=0.20	SLC39A13 (2.5)
Central Nervous System	0.9	>=0.20	ATG13 (3.5)
Genitalia	0.91	>=0.20	TMEM101 (3.2)
Blood Cells	0.91	>=0.20	PCSK7 (4.7)
Immune System	0.91	>=0.20	EPB42 (2.5)
Neurosecretory Systems	0.93	>=0.20	ATG13 (3.6)
Central Nervous System	0.93	>=0.20	ATG13 (3.6)
Central Nervous System	0.93	>=0.20	ATG13 (3.6)
Blood	0.93	>=0.20	PCSK7 (4.7)
Genitalia	0.94	>=0.20	ZNF613 (4.0)
Skeleton	0.94	>=0.20	EPB42 (2.1)
Skeleton	0.94	>=0.20	EPB42 (2.2)
Heart	0.94	>=0.20	MYBPC3 (6.6)
Stem Cells	0.95	>=0.20	KCTD10 (2.6)
Heart	0.95	>=0.20	MYBPC3 (6.5)
Genitalia	0.96	>=0.20	TMEM101 (3.8)
Germ Cells	0.96	>=0.20	TMEM101 (3.8)
Central Nervous System	0.96	>=0.20	NEUROD2 (3.4)
Blood	0.97	>=0.20	BMP8A (5.4)
Blood	0.97	>=0.20	BMP8A (5.4)
Antibody-Producing Cells	0.97	>=0.20	BMP8A (4.2)
Blood Cells	0.97	>=0.20	BMP8A (4.2)
Blood Cells	0.97	>=0.20	PCSK7 (3.3)
Stem Cells	0.97	>=0.20	DEPDC1 (1.6)
Skeleton	0.98	>=0.20	DEPDC1 (1.6)
Eye	0.98	>=0.20	KLHL8 (4.0)
Skeleton	0.98	>=0.20	DEPDC1 (1.6)
Immune System	0.98	>=0.20	BMP8A (2.4)

Genitalia	0.98	>=0.20	MYO1H (2.7)
Genitalia	0.98	>=0.20	MYO1H (2.7)
Genitalia	0.99	>=0.20	TMEM101 (3.5)
Immune System	0.99	>=0.20	WDR76 (3.9)
Connective Tissue	0.99	>=0.20	OR5L2 (3.4)
Connective Tissue	0.99	>=0.20	OR5L2 (3.4)
Connective Tissue Cells	1	>=0.20	SLC12A4 (2.1)
Connective Tissue	1	>=0.20	OR5L2 (3.7)
Immune System	1	>=0.20	DUS2L (3.5)
Pharynx	1	>=0.20	DUS2L (3.5)
Central Nervous System	1	>=0.20	DGKG (3.6)
Central Nervous System	1	>=0.20	DGKG (3.8)
Pharynx	1	>=0.20	OR5I1 (4.5)
Mouth	1	>=0.20	ZNF408 (4.6)
Endocrine Glands	1	>=0.20	TMEM101 (2.9)
Pharynx	1	>=0.20	OR4A21P (2.8)

)ject Heading) tissues or cell types. The tissue-/cell-type specific P values are derived by nor
)rocedure 50 times based on 500 pre-computed null GWAS. The method is described in det

Tissue-specific expression Z score gene 2	Tissue-specific expression Z score gene 3	Tissue-specific expression Z score gene 4	Tissue-specific expression Z score gene 5
GPR146 (4.8)	DGAT2 (4.5)	GPAM (4.3)	GPIHBP1 (4.3)
GPR146 (4.8)	DGAT2 (4.5)	GPAM (4.3)	GPIHBP1 (4.3)
GPAM (4.2)	GPR146 (3.9)	DGAT2 (3.9)	CD36 (3.4)
GPAM (4.3)	GPR146 (4.3)	DGAT2 (4.1)	GPIHBP1 (3.8)
GPAM (4.3)	GPR146 (4.3)	DGAT2 (4.1)	GPIHBP1 (3.8)
PLG (10.8)	SLC22A1 (10.3)	F2 (9.8)	APOC4 (9.6)
APOC1 (2.9)	MMAB (2.9)	BBS2 (2.8)	FADS2 (2.8)
F2 (8.6)	APOC3 (8.3)	C19orf80 (7.3)	APOA1 (7.0)
HCAR1 (4.4)	DGAT2 (3.7)	LPL (3.0)	NR1H3 (3.0)
MMAB (2.8)	FADS2 (2.7)	APOC1 (2.6)	BBS2 (2.3)
PYY (5.3)	APOC3 (4.7)	APOB (4.6)	APOA1 (4.6)
SPI1 (3.3)	LILRB2 (3.1)	PTPRJ (2.8)	MTMR3 (2.5)
SPI1 (3.3)	LILRB2 (3.1)	PTPRJ (2.8)	MTMR3 (2.5)
APOC3 (2.9)	APOB (2.9)	APOA1 (2.8)	PYY (2.3)
PTPRJ (3.2)	LILRA3 (3.1)	LILRB2 (3.0)	CCL22 (2.8)
LILRA3 (3.0)	PTPRJ (3.0)	LILRB2 (2.8)	CCL22 (2.6)
CCL17 (3.7)	LILRA3 (3.7)	SPI1 (3.1)	LILRB2 (3.1)
DPEP3 (6.5)	MTMR3 (6.1)	PGS1 (5.4)	CTRL (4.7)
DPEP3 (6.0)	MTMR3 (5.6)	PGS1 (5.0)	CTRL (4.4)
SLC22A1 (5.5)	TRPS1 (3.8)	RELB (3.5)	PLEKHG4 (3.2)
FPR3 (3.3)	CCL17 (3.2)	LILRA3 (2.9)	PTPRJ (2.7)
CCL22 (6.6)	FPR3 (4.3)	CD40 (3.4)	LILRA3 (3.2)
CCL22 (6.6)	FPR3 (4.3)	CD40 (3.4)	LILRA3 (3.2)
SOST (2.3)	KCTD10 (2.2)	PITPNM2 (2.0)	ANGPTL4 (1.9)
ENSG00000247867 (3.1)	LILRA3 (2.9)	FPR3 (2.9)	LILRB2 (2.8)
CTRL (6.4)	NR0B2 (1.5)	C16orf48 (1.5)	VEGFA (1.3)
PLA2G15 (2.9)	CCL22 (2.9)	PTPRJ (2.9)	FPR3 (2.7)
NR0B2 (2.4)	E2F4 (1.9)	CPS1 (1.7)	TAGLN (1.6)
CCDC11 (2.1)	DNAH10 (1.6)	TSNAXIP1 (1.4)	C16orf48 (1.4)
NR0B2 (1.9)	E2F4 (1.6)	TAGLN (1.6)	SNORD58C (1.5)
B3GNT9 (2.6)	ENSG00000181123 (2.4)	RSPO3 (2.3)	TRPS1 (2.2)
TGM5 (2.4)	CELSR2 (1.8)	DGAT2 (1.7)	KIAA0754 (1.7)
SCARB1 (4.7)	GALNT2 (3.2)	ENSG00000247445 (3.1)	CSGALNACT1 (2.9)
SCARB1 (4.7)	GALNT2 (3.2)	ENSG00000247445 (3.1)	CSGALNACT1 (2.9)
SCARB1 (4.7)	GALNT2 (3.2)	ENSG00000247445 (3.1)	CSGALNACT1 (2.9)
RBM6 (1.7)	CYP2W1 (1.5)	BCAM (1.3)	ZSCAN29 (1.3)
RANBP10 (4.3)	FNBP4 (4.0)	NPEPPS (3.8)	ABCA1 (3.6)
RANBP10 (4.3)	FNBP4 (4.0)	NPEPPS (3.8)	ABCA1 (3.6)
VEGFA (1.9)	SFN (1.8)	MST1R (1.7)	ESRP2 (1.6)
NR1H3 (1.5)	IGF2R (1.5)	PTPMT1 (1.4)	CITED2 (1.2)
ETV5 (1.1)	PLEKHG4 (0.9)	DEPDC1 (0.8)	VEGFA (0.8)
SEC14L4 (4.6)	RANBP10 (4.4)	GPR146 (4.1)	CCNDBP1 (3.1)
RBPJ (2.6)	B3GNT9 (2.3)	PLA2G15 (2.3)	GPER (2.3)

RBPJ (2.6)	B3GNT9 (2.3)	PLA2G15 (2.3)	GPER (2.3)
RBPJ (2.6)	B3GNT9 (2.3)	PLA2G15 (2.3)	GPER (2.3)
SLC12A4 (3.2)	ANGPTL4 (2.9)	SLC39A13 (2.6)	C11orf9 (2.6)
DPEP2 (2.3)	LILRB2 (2.2)	LILRA3 (2.1)	SPI1 (2.1)
HNF4A (2.6)	HNF1A (2.0)	PPP1R1B (1.8)	ELMO3 (1.7)
PLA2G15 (4.1)	APOC1 (3.9)	FPR3 (3.8)	NR1H3 (3.6)
KCTD19 (2.4)	PDIA3 (2.4)	SLC39A13 (2.2)	LIPG (2.1)
KCTD19 (2.4)	PDIA3 (2.4)	SLC39A13 (2.2)	LIPG (2.1)
DGAT2 (2.1)	TGM5 (2.1)	TTC39B (1.7)	TRPS1 (1.6)
LILRA3 (2.0)	LILRB2 (1.9)	SPI1 (1.8)	NFATC3 (1.6)
SCARB1 (2.8)	RNF214 (2.3)	MFAP1 (1.9)	LCMT2 (1.8)
HNF4A (2.4)	PPP1R1B (1.9)	ELMO3 (1.9)	DOK4 (1.8)
HNF4A (2.3)	PPP1R1B (2.2)	ELMO3 (1.9)	HNF1A (1.8)
MST1R (1.6)	PLEKHG4 (1.6)	GRB7 (1.5)	SNORD58C (1.1)
DPEP2 (1.7)	DPEP3 (1.7)	LILRA3 (1.7)	RELB (1.6)
FHOD1 (1.9)	CCDC18 (1.8)	PTPRJ (1.7)	ABHD6 (1.5)
MYO1H (3.4)	MVK (3.2)	SMPD3 (3.1)	SFN (2.8)
PLG (3.0)	LIPC (2.3)	SOST (2.2)	HNF4A (1.9)
HNF4A (2.4)	PPP1R1B (1.9)	ELMO3 (1.9)	DOK4 (1.8)
PLG (3.3)	LIPC (2.5)	SOST (2.3)	HNF4A (2.1)
HNF4A (2.4)	PPP1R1B (1.9)	ELMO3 (1.9)	DOK4 (1.8)
TGM5 (3.3)	MYO1H (3.3)	SFN (2.9)	TRPS1 (2.9)
ETV5 (3.9)	CPNE2 (3.7)	NCOA5 (3.5)	FADS2 (3.3)
HNF4A (2.6)	KCTD19 (2.2)	GRB7 (2.1)	PPP1R1B (2.0)
PYY (2.6)	HNF4A (2.6)	ELMO3 (1.9)	PPP1R1B (1.9)
LPA (2.6)	PSMB10 (2.4)	GLUL (2.3)	CYP26A1 (2.1)
MST1R (2.2)	SFN (1.9)	TAGLN (1.6)	TRNP1 (1.5)
LPA (2.8)	PSMB10 (2.6)	GLUL (2.6)	ZNF613 (2.3)
LPA (2.8)	PSMB10 (2.6)	GLUL (2.6)	ZNF613 (2.3)
C17orf57 (2.9)	AFF1 (2.5)	PGAP3 (2.4)	KIAA0754 (2.2)
WDR76 (2.9)	KLHL8 (2.5)	CXXC1 (2.4)	ENSG00000182109 (2.4)
LPA (2.7)	PSMB10 (2.5)	GLUL (2.5)	ZNF613 (2.3)
ENSG00000247445 (2.6)	PSMB10 (2.6)	GLUL (2.4)	CYP26A1 (2.1)
ENSG00000247445 (2.6)	PSMB10 (2.6)	GLUL (2.4)	CYP26A1 (2.1)
ABCA8 (2.6)	CASC4 (2.5)	TRPS1 (2.4)	PDE3A (2.3)
ABCA8 (2.6)	CASC4 (2.5)	TRPS1 (2.4)	PDE3A (2.3)
DOCK6 (2.5)	SLC39A13 (2.2)	LIPG (2.2)	PVRL2 (1.9)
TAGLN (2.6)	KANK2 (2.6)	KIAA0754 (2.4)	MACF1 (2.4)
HNF4A (2.0)	PYY (1.9)	ELMO3 (1.7)	MYO5B (1.7)
CCDC11 (5.2)	DNAH10 (4.8)	TSNAXIP1 (4.3)	ENSG00000181123 (3.9)
CCDC11 (5.2)	DNAH10 (4.8)	TSNAXIP1 (4.3)	ENSG00000181123 (3.9)
CCDC11 (5.2)	DNAH10 (4.8)	TSNAXIP1 (4.3)	ENSG00000181123 (3.9)
GRB7 (2.7)	KIAA0754 (2.3)	ZNF664 (1.9)	ENSG00000223745 (1.8)
TGM5 (4.7)	GFOD2 (3.2)	SFN (3.1)	TRPS1 (2.8)
CES4A (4.8)	C16orf70 (4.0)	DGAT2 (3.6)	GFOD2 (3.4)
CCDC11 (3.1)	DNAH10 (2.9)	TSNAXIP1 (2.6)	SMPD3 (2.6)
UBE2L3 (4.7)	SKA1 (4.7)	CCDC116 (3.5)	SDF2L1 (3.4)
UBE2L3 (4.7)	SKA1 (4.7)	CCDC116 (3.5)	SDF2L1 (3.4)
FAM192A (3.2)	PLA2G6 (3.2)	BACE1 (3.1)	PXK (3.1)
ERBB2 (1.8)	MYO5B (1.8)	PGAP3 (1.5)	SFN (1.5)

TBKBP1 (2.9)	MIEN1 (2.9)	PGAP3 (2.7)	SPRYD5 (2.6)
PDE3A (5.4)	TCAP (5.0)	ENSG00000181296 (4.2)	RAB11B (4.1)
GRB7 (2.0)	KIAA0754 (1.6)	ZNF664 (1.6)	TRPS1 (1.5)
GRB7 (2.0)	KIAA0754 (1.6)	ZNF664 (1.6)	TRPS1 (1.5)
TRPS1 (1.5)	GRB7 (1.5)	KIAA0754 (1.3)	ZNF664 (1.2)
PDE3A (5.1)	TCAP (4.5)	ENSG00000181296 (3.7)	RAB11B (3.3)
GRB7 (1.4)	KIAA0754 (1.3)	ZNF664 (1.2)	ENSG00000223745 (1.1)
SLC39A13 (2.8)	SLC12A4 (2.6)	TAGLN (2.4)	ARHGAP1 (1.9)
CCDC18 (2.5)	TGM5 (2.3)	CXXC1 (2.2)	DYM (2.2)
TBKBP1 (3.0)	MIEN1 (2.9)	PGAP3 (2.9)	SPRYD5 (2.8)
EPB42 (1.4)	ZNF408 (1.4)	DPEP3 (1.4)	TECTB (1.4)
YDJC (2.3)	EYA3 (2.1)	WDR76 (2.1)	SKA1 (1.9)
LIPG (2.3)	PVRL2 (2.3)	SLC12A4 (2.2)	SLC39A13 (2.0)
MYO5B (2.2)	SFN (2.0)	ERBB2 (2.0)	PGAP3 (2.0)
DDX28 (1.6)	RLTPR (1.5)	CCL17 (1.4)	MBD1 (1.4)
C11orf9 (3.5)	DGKG (3.2)	GNAO1 (2.9)	CELSR2 (2.8)
C17orf105 (3.4)	MT1F (2.8)	SOST (2.7)	NAGS (2.5)
CCDC18 (2.5)	EYA3 (2.4)	WDR76 (2.3)	SKA1 (2.3)
OASL (3.0)	TGM5 (2.7)	GPN2 (2.4)	EYA3 (2.4)
SLC12A4 (3.5)	SLC39A13 (3.4)	ANGPTL4 (2.8)	OR5L2 (2.6)
SLC12A4 (3.5)	SLC39A13 (3.4)	ANGPTL4 (2.8)	OR5L2 (2.6)
C11orf9 (5.2)	CCDC11 (4.8)	PNMT (4.5)	BAZ1B (4.5)
TMEM101 (1.4)	KANK2 (1.3)	CPNE2 (1.2)	RBM5 (1.1)
LIPG (2.5)	PVRL2 (2.4)	SLC12A4 (2.3)	RSPRY1 (2.1)
LIPG (2.5)	PVRL2 (2.4)	SLC12A4 (2.3)	RSPRY1 (2.1)
TCAP (5.3)	PACSIN3 (4.2)	FHOD1 (3.9)	COQ9 (3.6)
TCAP (5.3)	PACSIN3 (4.2)	FHOD1 (3.9)	COQ9 (3.6)
FAM192A (2.9)	PPP1R1B (2.8)	PTPRZ1 (2.7)	MPP2 (2.7)
PNMT (4.0)	TNKS (3.8)	MAP1A (3.7)	GNAO1 (3.5)
DEPDC1 (2.6)	MST1R (2.4)	SNX13 (2.4)	ELMO3 (2.2)
DEPDC1 (2.6)	MST1R (2.4)	SNX13 (2.4)	ELMO3 (2.2)
TCAP (3.6)	PACSIN3 (3.4)	FHOD1 (2.9)	DUSP3 (2.6)
YDJC (3.2)	UBE2L3 (3.2)	UBE3B (3.1)	LIPC (2.9)
TGM5 (3.3)	HCAR1 (2.7)	MYO1H (2.4)	ENSG00000255507 (2.1)
TCAP (5.4)	PACSIN3 (4.2)	FHOD1 (4.0)	COQ9 (3.7)
GRB7 (1.8)	TRPS1 (1.5)	KIAA0754 (1.5)	ZNF664 (1.4)
ATG13 (3.1)	HDAC5 (2.8)	PLA2G6 (2.6)	PNMT (2.5)
ZNF614 (3.0)	SKA1 (3.0)	NUDT21 (2.9)	NUP93 (2.8)
ZNF614 (3.0)	SKA1 (3.0)	NUDT21 (2.9)	NUP93 (2.8)
YDJC (3.2)	UBE2L3 (3.1)	UBE3B (3.1)	LIPC (2.8)
SFN (2.5)	MYO1H (2.4)	ESRP2 (2.2)	NPEPPS (1.9)
CD40 (2.5)	NR1H3 (2.4)	APOC1 (1.8)	NLRC5 (1.8)
REEP3 (2.3)	RSPO3 (2.3)	PIGV (2.2)	ANGPTL4 (2.1)
DEPDC1 (2.5)	MTF2 (2.4)	NUP93 (2.2)	NUDT21 (2.2)
LRP4 (2.0)	DGKG (1.8)	CELSR2 (1.8)	MPP2 (1.7)
GNAO1 (3.0)	DGKG (2.8)	PITPNM2 (2.7)	CELSR2 (2.6)
LRP4 (2.0)	DGKG (1.8)	CELSR2 (1.8)	MPP2 (1.7)
PITPNM2 (3.0)	NEUROD2 (2.9)	C1QTNF4 (2.8)	FAM192A (2.7)
PITPNM2 (3.0)	NEUROD2 (2.9)	C1QTNF4 (2.8)	FAM192A (2.7)
LIPG (2.5)	NAGS (2.4)	SLC12A4 (2.1)	SLC39A13 (1.9)

PITPNM2 (3.0)	NEUROD2 (2.9)	C1QTNF4 (2.8)	FAM192A (2.7)
SETD8 (3.6)	ZNF615 (3.5)	ZNF614 (3.0)	ZNF350 (2.9)
SETD8 (3.9)	ZNF615 (3.8)	ZNF614 (3.4)	ZNF350 (3.2)
DEPDC1 (2.0)	SNX13 (1.8)	PPY (1.7)	NUDT21 (1.6)
LIPC (8.2)	CETP (6.2)	UBE3B (5.4)	LRRC29 (5.1)
CATSPER2 (3.8)	KIAA0895L (3.1)	PPIP5K1 (3.1)	STRC (3.1)
ARFGAP2 (2.1)	ST3GAL4 (2.0)	ENSG00000247445 (1.8)	LCMT2 (1.7)
HNF4A (4.1)	MST1R (2.9)	MYO5B (2.5)	ELMO3 (2.5)
FEN1 (2.4)	SKA1 (2.3)	ZNF614 (2.2)	DEPDC1 (2.2)
NEUROD2 (2.5)	MPP2 (2.5)	MAP1A (2.3)	CELSR2 (2.3)
GNAO1 (2.8)	DGKG (2.5)	CELSR2 (2.4)	C1QTNF4 (2.4)
CD40 (2.3)	NR1H3 (1.7)	PCSK7 (1.7)	NLRC5 (1.6)
CD40 (2.3)	NR1H3 (1.7)	PCSK7 (1.7)	NLRC5 (1.6)
GNAO1 (2.8)	DGKG (2.5)	C1QTNF4 (2.5)	STRC (2.5)
GNAO1 (2.8)	DGKG (2.7)	STRC (2.6)	CELSR2 (2.5)
TRPS1 (1.3)	KIAA0754 (1.0)	TMEM101 (1.0)	GRB7 (0.9)
CATSPER2 (5.0)	PPIP5K1 (4.9)	JMJD1C (4.5)	KIAA0895L (4.5)
PCSK7 (2.7)	OASL (2.7)	SLC7A6OS (2.6)	WDR76 (2.5)
CATSPER2 (4.8)	PPIP5K1 (4.5)	KIAA0895L (4.2)	KCTD6 (4.0)
CATSPER2 (4.8)	PPIP5K1 (4.5)	KIAA0895L (4.2)	KCTD6 (4.0)
SETD8 (2.5)	SLC39A13 (2.4)	SLC12A4 (2.2)	TAGLN (2.1)
ZNF408 (1.7)	SNORD58C (1.6)	OR4A1P (1.6)	TECTB (1.5)
FADS2 (2.4)	NCOA5 (2.0)	PVRL2 (2.0)	ENSG00000236267 (1.9)
MPP2 (3.2)	TP53BP1 (3.1)	PNMT (3.0)	RAB11B (2.8)
TRPS1 (1.7)	CPNE2 (1.5)	CCDC11 (1.5)	KANK2 (1.3)
FNBP4 (4.4)	SLC7A6OS (3.9)	C12orf65 (3.3)	INTS10 (3.2)
ZNF408 (2.1)	SNORD58C (2.0)	OR4A1P (1.9)	TECTB (1.8)
TP53BP1 (3.6)	C7orf50 (3.3)	PNMT (3.3)	RAB11B (3.2)
TP53BP1 (3.6)	C7orf50 (3.3)	PNMT (3.3)	RAB11B (3.2)
TP53BP1 (3.6)	C7orf50 (3.3)	PNMT (3.3)	RAB11B (3.2)
SLC7A6OS (4.3)	FNBP4 (4.1)	KIAA0754 (3.3)	C12orf65 (3.2)
SETD8 (3.2)	ZNF615 (3.0)	ZNF614 (2.8)	ZNF350 (2.4)
ZNF408 (1.8)	SNORD58C (1.6)	OR4A1P (1.6)	TECTB (1.5)
ZNF408 (1.9)	SNORD58C (1.7)	OR4A1P (1.7)	TECTB (1.6)
ADAL (4.1)	PDE3A (3.5)	ENSG00000226334 (3.4)	ZNF615 (3.1)
PLEKHG4 (2.1)	SLC39A13 (2.0)	B3GNT9 (2.0)	TAGLN (1.8)
ADAL (4.3)	ENSG00000226334 (4.0)	PDE3A (3.7)	ZNF615 (3.3)
OGFOD1 (3.4)	CYP26A1 (3.4)	ST3GAL4 (2.4)	AMFR (2.1)
OGFOD1 (3.4)	CYP26A1 (3.4)	ST3GAL4 (2.4)	AMFR (2.1)
ENSG00000182109 (3.3)	ENSG00000181296 (3.1)	C1QTNF4 (3.0)	SLC9A5 (3.0)
MON1A (3.6)	C7orf50 (3.3)	HERPUD1 (3.2)	TMEM175 (3.2)
MON1A (3.6)	C7orf50 (3.3)	HERPUD1 (3.2)	TMEM175 (3.2)
C7orf50 (2.8)	HERPUD1 (2.6)	TMEM175 (2.6)	MON1A (2.5)
C7orf50 (2.8)	HERPUD1 (2.6)	TMEM175 (2.6)	MON1A (2.5)
C12orf65 (3.1)	THAP11 (2.5)	SLC7A6OS (2.4)	NFATC3 (2.4)
SKA1 (1.5)	WDR76 (1.5)	CCDC18 (1.5)	FEN1 (1.4)
PRMT7 (1.4)	CIAPIN1 (1.4)	CPS1 (1.3)	C12orf43 (1.3)
KCTD6 (3.9)	ARID1A (2.8)	KIAA0895L (2.7)	ZNF664 (2.6)
PRMT7 (1.4)	CIAPIN1 (1.4)	KPNB1 (1.3)	CPS1 (1.3)
RLTPR (2.1)	C12orf65 (2.1)	THAP11 (1.9)	DDX28 (1.7)

CENPT (2.3)	SMPD3 (1.9)	REEP3 (1.8)	TTBK2 (1.7)
CENPT (2.4)	SMPD3 (1.9)	REEP3 (1.9)	TTBK2 (1.8)
OGFOD1 (3.1)	CYP26A1 (3.0)	C17orf105 (2.3)	ST3GAL4 (2.1)
SKA1 (3.5)	FEN1 (3.0)	RLTPR (2.9)	OR5J2 (2.9)
OR4A1P (2.8)	CITED2 (2.5)	OR5I1 (2.4)	TBL2 (2.4)
OR4A1P (2.8)	CITED2 (2.5)	OR5I1 (2.4)	TBL2 (2.4)
B3GNT9 (2.1)	TRNP1 (2.1)	SLC39A13 (1.9)	CITED2 (1.7)
OR4A1P (3.2)	TBL2 (2.6)	CITED2 (2.6)	ENSG00000236267 (2.5)
CCDC18 (2.4)	CD40 (2.3)	AMBRA1 (2.2)	BUD13 (2.2)
CCDC18 (2.4)	CD40 (2.3)	AMBRA1 (2.2)	BUD13 (2.2)
STRC (3.4)	RBM6 (2.7)	NEUROD2 (2.5)	LRP4 (2.5)
STRC (3.7)	RBM6 (3.0)	LRP4 (2.7)	NEUROD2 (2.5)
OR4A21P (4.2)	ENSG00000255507 (4.0)	OR5L2 (3.7)	ENSG00000181296 (3.5)
ENSG00000256746 (3.6)	SFN (2.6)	ENSG00000247867 (2.6)	CYP2W1 (2.4)
BAZ1B (2.7)	TTBK2 (2.6)	TNKS (2.5)	APOA1 (2.1)
OR5I1 (2.5)	ENSG00000255507 (2.3)	MYO1H (2.2)	OR5L2 (2.1)

malizing average expression levels across identified loci using mean and standard deviation
ail in Pers et al. NatComm 2015.

Tissue-specific expression Z score gene 6	Tissue-specific expression Z score gene 7	Tissue-specific expression Z score gene 8	Tissue-specific expression Z score gene 9
C19orf80 (4.1)	GPER (3.9)	CD36 (3.6)	ANGPTL4 (3.6)
C19orf80 (4.1)	GPER (3.9)	CD36 (3.6)	ANGPTL4 (3.6)
GPIHBP1 (3.4)	LPL (3.2)	C19orf80 (3.0)	ANGPTL4 (2.9)
CD36 (3.6)	LPL (3.4)	GPER (3.3)	C19orf80 (3.2)
CD36 (3.6)	LPL (3.4)	GPER (3.3)	C19orf80 (3.2)
APOA5 (9.4)	APOC3 (9.3)	SEC14L4 (8.1)	APOB (7.8)
ABCA1 (2.7)	APOE (2.7)	COBLL1 (2.6)	RANBP10 (2.3)
NR0B2 (6.2)	HNF4A (6.0)	APOA5 (5.5)	HNF1A (4.6)
SLC7A6 (2.9)	CD36 (2.6)	GPR146 (2.6)	FADS1 (2.5)
APOE (2.3)	RANBP10 (2.2)	ETV5 (2.1)	FADS1 (2.1)
NAGS (3.3)	HNF4A (3.2)	DOK4 (3.1)	CPS1 (2.7)
DPEP2 (2.5)	ZDHHC18 (2.4)	EXOC3L1 (2.3)	CCL22 (2.3)
DPEP2 (2.5)	ZDHHC18 (2.4)	EXOC3L1 (2.3)	CCL22 (2.3)
HNF4A (2.0)	CPS1 (2.0)	NAGS (1.9)	NR0B2 (1.8)
DPEP2 (2.5)	IGF2R (2.4)	MTMR3 (2.4)	FPR3 (2.3)
DPEP2 (2.4)	IGF2R (2.2)	MTMR3 (2.2)	FPR3 (2.1)
FPR3 (3.0)	PTPRJ (2.8)	RELB (2.4)	OASL (2.2)
SPI1 (4.6)	DPEP2 (4.5)	JMJD1C (4.4)	PTPRJ (4.3)
SPI1 (4.3)	DPEP2 (4.1)	PTPRJ (4.0)	JMJD1C (4.0)
SIK3 (2.8)	DYM (2.6)	VEGFA (2.6)	RBPJ (2.6)
SPI1 (2.7)	LILRB2 (2.6)	CD40 (2.4)	RELB (1.9)
RBPJ (3.1)	SPI1 (2.5)	LILRB2 (2.4)	PTPRJ (2.4)
RBPJ (3.1)	SPI1 (2.5)	LILRB2 (2.4)	PTPRJ (2.4)
FADS2 (1.8)	BCAM (1.8)	ARHGAP1 (1.8)	SLC39A13 (1.7)
NLRC5 (2.7)	RELB (2.6)	PCIF1 (2.6)	CTRL (2.5)
PLTP (1.1)	MT1G (1.1)	MST1R (1.1)	MT1M (1.1)
SPI1 (2.4)	PTPMT1 (2.4)	IGF2R (2.4)	APOC1 (2.3)
SNORD58C (1.6)	ENSG00000223745 (1.5)	RSPO3 (1.5)	TRNP1 (1.3)
AGBL2 (1.3)	PTPMT1 (1.3)	CCL17 (1.2)	CPS1 (1.0)
TRNP1 (1.4)	ENSG00000223745 (1.3)	RSPO3 (1.3)	GRB7 (1.3)
C16orf48 (2.2)	ANGPTL4 (2.1)	C17orf105 (2.1)	REEP3 (2.0)
ESRP2 (1.7)	SEC14L4 (1.6)	C1orf172 (1.6)	PTPRZ1 (1.6)
FBXL20 (2.8)	RNF214 (2.8)	FRMD5 (2.6)	MMAB (2.5)
FBXL20 (2.8)	RNF214 (2.8)	FRMD5 (2.6)	MMAB (2.5)
FBXL20 (2.8)	RNF214 (2.8)	FRMD5 (2.6)	MMAB (2.5)
KIAA0754 (1.3)	KANK2 (1.2)	RSPO3 (1.2)	TRPS1 (1.2)
ZNF614 (3.5)	PAFAH1B2 (3.4)	PCSK7 (3.2)	SNORD58C (3.0)
ZNF614 (3.5)	PAFAH1B2 (3.4)	PCSK7 (3.2)	SNORD58C (3.0)
ARID1A (1.5)	TOMM40 (1.4)	ZNF335 (1.4)	SNORD58C (1.4)
SLC39A13 (1.2)	TTC39B (1.1)	MAFF (1.1)	NRBF2 (1.1)
MED1 (0.8)	APOC1 (0.8)	PVRL2 (0.7)	SKA1 (0.7)
PGS1 (2.7)	DPEP2 (2.2)	E2F4 (2.0)	SPI1 (1.9)
NRBF2 (2.0)	ARHGAP1 (1.9)	PLEKHG4 (1.8)	KANK2 (1.6)

NRBF2 (2.0)	ARHGAP1 (1.9)	PLEKHG4 (1.8)	KANK2 (1.6)
NRBF2 (2.0)	ARHGAP1 (1.9)	PLEKHG4 (1.8)	KANK2 (1.6)
PVRL2 (2.3)	SOST (2.2)	XKR8 (2.1)	RNF214 (2.0)
JMJD1C (1.9)	PGS1 (1.8)	COX19 (1.8)	NFATC3 (1.8)
DOK4 (1.7)	MYO5B (1.5)	TAGLN (1.4)	ABCB9 (1.4)
TTC39B (3.6)	DPEP2 (2.9)	SNX10 (2.9)	C16orf70 (2.8)
HCAR1 (2.0)	SDF2L1 (2.0)	NRBF2 (1.8)	HARBI1 (1.7)
HCAR1 (2.0)	SDF2L1 (2.0)	NRBF2 (1.8)	HARBI1 (1.7)
LRP4 (1.5)	ESRP2 (1.5)	PTPRZ1 (1.4)	CELSR2 (1.4)
CTRL (1.5)	SPG11 (1.5)	DDX28 (1.4)	ZDHHC18 (1.4)
GALNT2 (1.8)	UBR1 (1.6)	ENSG00000247445 (1.6)	NPEPPS (1.6)
MYO5B (1.7)	HNF1A (1.7)	PYY (1.4)	GRB7 (1.4)
GRB7 (1.8)	PLEKHG4 (1.6)	MYO5B (1.5)	VEGFA (1.5)
TRPS1 (1.1)	C1orf172 (1.1)	TAGLN (1.0)	FPR3 (1.0)
SPI1 (1.6)	EXOC3L1 (1.6)	BMP8A (1.5)	CTRL (1.5)
SNORD58C (1.5)	NCOA5 (1.4)	NR1H3 (1.4)	NLRC5 (1.4)
HARBI1 (2.8)	CENPT (2.7)	TGM5 (2.6)	ENSG00000247867 (2.4)
COBLL1 (1.7)	VEGFA (1.7)	HNF1A (1.4)	ANGPTL4 (1.4)
MYO5B (1.7)	HNF1A (1.7)	GRB7 (1.4)	ESRP2 (1.3)
COBLL1 (1.9)	VEGFA (1.7)	HNF1A (1.5)	ANGPTL4 (1.4)
MYO5B (1.7)	HNF1A (1.7)	GRB7 (1.4)	PYY (1.4)
ERBB2 (2.6)	COBLL1 (2.4)	ESRP2 (2.3)	PGAP3 (2.1)
LSM12 (2.9)	LRP4 (2.8)	LIPG (2.7)	G6PC3 (2.7)
DOK4 (2.0)	ELMO3 (2.0)	PGAP3 (1.8)	HNF1A (1.7)
HNF1A (1.8)	DOK4 (1.8)	MYO5B (1.8)	SFN (1.4)
TRADD (2.0)	ZNF613 (2.0)	ARFGAP2 (2.0)	MYO5B (1.9)
ESRP2 (1.5)	PGAP3 (1.4)	KCTD19 (1.3)	SNORD58C (1.3)
CYP26A1 (2.3)	MYO5B (2.2)	TRADD (2.1)	ARFGAP2 (2.1)
CYP26A1 (2.3)	MYO5B (2.2)	TRADD (2.1)	ARFGAP2 (2.1)
B3GNT9 (2.2)	TRIB1 (2.0)	ENSG00000179523 (1.9)	SETD8 (1.9)
DDX28 (2.4)	CPNE2 (2.3)	MTF2 (2.3)	YDJC (2.2)
CYP26A1 (2.3)	MYO5B (2.1)	ARFGAP2 (2.1)	TRADD (2.0)
ARFGAP2 (2.1)	ZNF613 (2.1)	TRADD (2.1)	MYO5B (2.0)
ARFGAP2 (2.1)	ZNF613 (2.1)	TRADD (2.1)	MYO5B (2.0)
PLTP (2.1)	SIDT2 (2.0)	KANK2 (1.9)	INTS10 (1.9)
PLTP (2.1)	SIDT2 (2.0)	KANK2 (1.9)	INTS10 (1.9)
ANGPTL4 (1.9)	PDE3A (1.8)	RSPRY1 (1.6)	G6PC3 (1.6)
RBM6 (2.3)	C16orf48 (2.0)	LCAT (1.9)	KCTD10 (1.9)
SFN (1.6)	DOK4 (1.6)	ESRP2 (1.5)	PPP1R1B (1.5)
SMPD3 (3.2)	CYP26A1 (2.8)	ERBB2 (2.8)	CX3CL1 (2.5)
SMPD3 (3.2)	CYP26A1 (2.8)	ERBB2 (2.8)	CX3CL1 (2.5)
SMPD3 (3.2)	CYP26A1 (2.8)	ERBB2 (2.8)	CX3CL1 (2.5)
TRPS1 (1.6)	APOA1 (1.6)	PLTP (1.6)	CELSR2 (1.3)
ESRP2 (2.7)	MYO1H (2.7)	C1orf172 (2.5)	RANBP10 (2.5)
TGM5 (3.4)	ELMO3 (3.4)	GRB7 (3.4)	C1orf172 (3.2)
ENSG00000181123 (2.3)	ERBB2 (2.1)	GRB7 (1.8)	PGAP3 (1.8)
WDR76 (3.4)	SBNO1 (3.3)	NUDT21 (3.0)	NUP160 (2.9)
WDR76 (3.4)	SBNO1 (3.3)	NUDT21 (3.0)	NUP160 (2.9)
ABCB9 (2.9)	GPIHBP1 (2.9)	MACF1 (2.7)	HDAC5 (2.6)
DOK4 (1.5)	ESRP2 (1.5)	ELMO3 (1.5)	AGBL2 (1.4)

ENSG00000256746 (2.6)	ERBB2 (2.6)	ZNF408 (2.4)	SIDT2 (2.3)
OR5I1 (3.9)	DUSP3 (3.8)	ENSG00000255507 (3.6)	COQ9 (3.5)
ENSG00000223745 (1.3)	APOA1 (1.2)	PLTP (1.2)	CELSR2 (1.0)
ENSG00000223745 (1.3)	APOA1 (1.2)	PLTP (1.2)	CELSR2 (1.0)
PLTP (1.1)	ENSG00000223745 (1.0)	FNBP4 (0.9)	TAGLN (0.9)
DUSP3 (3.2)	OR5I1 (3.2)	ADAL (3.2)	COQ9 (3.1)
TRPS1 (1.1)	PLTP (1.0)	VEGFA (1.0)	APOA1 (1.0)
AMFR (1.9)	B3GNT9 (1.9)	ANGPTL4 (1.8)	OR5L2 (1.8)
EYA3 (2.2)	GPN2 (2.1)	OASL (2.0)	PXK (1.9)
ENSG00000256746 (2.5)	ERBB2 (2.4)	ZNF408 (2.4)	PPP1R1B (2.3)
TRIB1 (1.4)	MBD1 (1.4)	RLTPR (1.4)	OR4A21P (1.3)
SBNO1 (1.9)	MTF2 (1.8)	TMEM62 (1.8)	FEN1 (1.7)
RSPRY1 (1.9)	DDB2 (1.9)	PLEKHG4 (1.8)	GFOD2 (1.8)
ESRP2 (1.9)	ELMO3 (1.9)	SMPD3 (1.7)	AGBL2 (1.7)
RELB (1.4)	DUS2L (1.4)	CCL22 (1.4)	ENSG00000247867 (1.3)
PITPNM2 (2.7)	ENSG00000226645 (2.6)	ABHD6 (2.5)	MPP2 (2.5)
COBLL1 (2.5)	PLG (2.4)	MT1G (2.3)	WDR76 (2.2)
TUBGCP4 (2.0)	FEN1 (2.0)	GPN2 (1.9)	TMEM62 (1.9)
MBD1 (2.4)	DYM (2.2)	CXXC1 (2.2)	TBL2 (2.1)
AMFR (2.6)	MYO1H (2.6)	B3GNT9 (2.4)	LIPG (2.4)
AMFR (2.6)	MYO1H (2.6)	B3GNT9 (2.4)	LIPG (2.4)
TTBK2 (4.4)	MAP1A (4.0)	AFF1 (3.8)	GNAO1 (3.6)
TAGLN (1.1)	RBM6 (1.0)	PLTP (1.0)	SNORD58C (0.9)
SLC39A13 (2.0)	DDB2 (2.0)	PLEKHG4 (2.0)	GFOD2 (2.0)
SLC39A13 (2.0)	DDB2 (2.0)	PLEKHG4 (2.0)	GFOD2 (2.0)
DUSP3 (3.4)	NOL3 (3.3)	KCTD19 (3.2)	NDUFS3 (3.1)
DUSP3 (3.4)	NOL3 (3.3)	KCTD19 (3.2)	NDUFS3 (3.1)
LRP4 (2.7)	MT1F (2.6)	TBKBP1 (2.6)	C1QTNF4 (2.5)
BAZ1B (3.3)	ENSG00000226645 (3.2)	CCDC11 (3.1)	TTBK2 (2.9)
NUDT21 (2.1)	FEN1 (2.1)	NUP160 (2.1)	CTDSPL2 (1.9)
NUDT21 (2.1)	FEN1 (2.1)	NUP160 (2.1)	CTDSPL2 (1.9)
COQ9 (2.5)	KCTD19 (2.5)	NOL3 (2.4)	FZD9 (2.3)
SKA1 (2.6)	CCDC116 (2.4)	AMFR (2.4)	ENSG00000179523 (2.3)
MON1A (2.0)	GFOD2 (1.9)	SFN (1.8)	PLEKHG4 (1.8)
NOL3 (3.4)	DUSP3 (3.3)	C16orf86 (3.3)	KCTD19 (3.3)
APOA1 (1.3)	PLTP (1.2)	ENSG00000223745 (1.2)	CELSR2 (1.0)
E2F4 (2.5)	C11orf49 (2.5)	PARD6A (2.4)	ABCB9 (2.4)
MTF2 (2.7)	ERBB2 (2.7)	DEPDC1 (2.6)	NUP160 (2.6)
MTF2 (2.7)	ERBB2 (2.7)	DEPDC1 (2.6)	NUP160 (2.6)
SKA1 (2.6)	CCDC116 (2.4)	AMFR (2.4)	EPB42 (2.4)
PGAP3 (1.9)	ERBB2 (1.9)	GFOD2 (1.9)	TRPS1 (1.8)
OR4A1P (1.7)	PCSK7 (1.6)	OR5L2 (1.6)	ENSG00000223745 (1.6)
SIDT2 (2.0)	TMEM175 (2.0)	PDIA3 (2.0)	FBXL20 (1.9)
CPS1 (2.1)	SKA1 (2.1)	ZNF614 (2.0)	CTDSPL2 (2.0)
NEUROD2 (1.7)	FAM192A (1.7)	GNAO1 (1.6)	C1QTNF4 (1.6)
C11orf9 (2.6)	STRC (2.5)	C1QTNF4 (2.5)	MPP2 (2.4)
NEUROD2 (1.7)	FAM192A (1.7)	GNAO1 (1.7)	C1QTNF4 (1.6)
MAP1A (2.7)	STRC (2.6)	DGKG (2.6)	CMIP (2.5)
MAP1A (2.7)	STRC (2.6)	DGKG (2.6)	CMIP (2.5)
PVRL2 (1.9)	RSPRY1 (1.6)	DEPDC1 (1.6)	GFOD2 (1.6)

MAP1A (2.6)	CMIP (2.5)	STRC (2.5)	CES4A (2.5)
TMEM101 (2.5)	BCAM (2.3)	ENSG00000226645 (2.0)	RAB11B (1.8)
TMEM101 (2.6)	BCAM (2.4)	ENSG00000226645 (2.1)	RAB11B (2.0)
FEN1 (1.6)	MST1R (1.6)	NUP160 (1.5)	EIF3J (1.4)
ENSG00000256746 (5.1)	C17orf105 (5.0)	TTC39B (4.7)	CYP2W1 (4.7)
NEUROD2 (3.0)	C1QTNF4 (3.0)	KCTD6 (2.8)	DGKG (2.7)
SLC7A6OS (1.4)	RANBP10 (1.3)	LSM12 (1.2)	TBL2 (1.2)
PPP1R1B (2.5)	HNF1A (2.4)	DOK4 (2.4)	SMPD3 (2.2)
NUDT21 (2.1)	NUP93 (2.1)	MTF2 (1.9)	ZNF613 (1.9)
C1QTNF4 (2.3)	C11orf9 (2.3)	DGKG (2.3)	STRC (2.2)
STRC (2.4)	C11orf9 (2.4)	MAP1A (2.4)	MPP2 (2.3)
CCDC18 (1.6)	NFATC3 (1.5)	ENSG00000223745 (1.5)	FNBP4 (1.4)
CCDC18 (1.6)	NFATC3 (1.5)	ENSG00000223745 (1.5)	FNBP4 (1.4)
CELSR2 (2.5)	MAP1A (2.4)	C11orf9 (2.4)	MPP2 (2.3)
C1QTNF4 (2.5)	MPP2 (2.3)	MAP1A (2.3)	PITPNM2 (2.3)
ZNF613 (0.9)	TAGLN (0.9)	PLTP (0.9)	ZNF615 (0.9)
KCTD6 (4.5)	STRC (4.3)	NEUROD2 (4.2)	CELF1 (4.2)
C12orf65 (2.4)	TTC39B (2.3)	EDC4 (2.2)	CCDC18 (2.1)
STRC (3.9)	JMJD1C (3.9)	NEUROD2 (3.9)	GFOD2 (3.7)
STRC (3.9)	JMJD1C (3.9)	NEUROD2 (3.9)	GFOD2 (3.7)
TRNP1 (2.1)	OGFOD1 (2.0)	CENPT (2.0)	CITED2 (1.9)
RLTPR (1.4)	TRIB1 (1.3)	OR4A21P (1.3)	C16orf86 (1.3)
LIPG (1.9)	OR5J2 (1.8)	DOCK6 (1.8)	TRNP1 (1.8)
C7orf50 (2.8)	E2F4 (2.7)	HDAC5 (2.7)	POLR2C (2.7)
AGBL2 (1.3)	RBM5 (1.2)	CYP26A1 (1.1)	RSPRY1 (1.0)
UBR1 (3.0)	NLRC5 (3.0)	KIAA0754 (3.0)	COX19 (2.9)
RLTPR (1.8)	TRIB1 (1.7)	C16orf86 (1.6)	OR4A21P (1.6)
POLR2C (3.1)	MPP2 (3.0)	BAZ1B (2.9)	E2F4 (2.8)
POLR2C (3.1)	MPP2 (3.0)	BAZ1B (2.9)	E2F4 (2.8)
POLR2C (3.1)	MPP2 (3.0)	BAZ1B (2.9)	E2F4 (2.8)
NLRC5 (3.1)	INTS10 (3.0)	COX19 (2.8)	THAP11 (2.7)
TMEM101 (2.2)	TTBK2 (1.9)	ENSG00000226645 (1.8)	BCAM (1.7)
RLTPR (1.5)	TRIB1 (1.4)	OR4A21P (1.4)	C16orf86 (1.3)
RLTPR (1.6)	OR4A21P (1.4)	TRIB1 (1.4)	C16orf86 (1.4)
TCAP (3.1)	MPP3 (3.1)	PDHB (2.9)	KANK2 (2.7)
PLA2G15 (1.7)	UBR1 (1.7)	DEPDC1 (1.5)	KPNB1 (1.5)
MPP3 (3.1)	PDHB (3.1)	TCAP (3.0)	KANK2 (2.8)
LIPG (2.0)	PNMT (1.9)	RNF214 (1.7)	FBXL20 (1.7)
LIPG (2.0)	PNMT (1.9)	RNF214 (1.7)	FBXL20 (1.7)
MPP2 (3.0)	CES4A (2.9)	CASC4 (2.9)	C11orf49 (2.9)
HARBI1 (3.2)	SDF2L1 (3.0)	TMEM208 (2.8)	TBL2 (2.7)
HARBI1 (3.2)	SDF2L1 (3.0)	TMEM208 (2.8)	TBL2 (2.8)
DUS2L (2.4)	HARBI1 (2.4)	SDF2L1 (2.0)	ENSG00000256746 (2.0)
DUS2L (2.4)	HARBI1 (2.4)	SDF2L1 (2.0)	ENSG00000256746 (2.0)
RLTPR (2.4)	EDC4 (2.3)	SLC7A6 (2.2)	NLRC5 (2.1)
CIAPIN1 (1.4)	NUP93 (1.4)	ZNF614 (1.3)	NUDT21 (1.3)
KPNB1 (1.3)	LCMT2 (1.3)	PDHB (1.3)	ZNF614 (1.2)
ZSCAN29 (2.6)	NCOA5 (2.5)	MFAP1 (2.5)	C16orf48 (2.4)
C12orf43 (1.3)	LCMT2 (1.3)	PDHB (1.2)	ZNF614 (1.2)
DUS2L (1.6)	PCSK7 (1.6)	TMEM175 (1.5)	NFATC3 (1.5)

CITED2 (1.6)	KCTD10 (1.6)	TRNP1 (1.5)	COBLL1 (1.5)
CITED2 (1.6)	TRNP1 (1.6)	COBLL1 (1.6)	KCTD10 (1.6)
AMFR (2.0)	LIPG (1.9)	PNMT (1.7)	CCDC11 (1.7)
ACD (2.7)	MED1 (2.7)	CCDC18 (2.6)	EDC4 (2.6)
AMFR (2.3)	OR5J2 (2.2)	SLC39A13 (2.1)	TRNP1 (2.0)
AMFR (2.3)	OR5J2 (2.2)	SLC39A13 (2.1)	TRNP1 (2.0)
TAGLN (1.7)	REEP3 (1.6)	OGFOD1 (1.5)	DEPDC1 (1.3)
AMFR (2.4)	OR5J2 (2.4)	OR5I1 (2.3)	KPNB1 (2.3)
THAP11 (2.2)	SPG11 (2.2)	PCSK7 (2.2)	RLTPR (2.1)
THAP11 (2.2)	SPG11 (2.2)	PCSK7 (2.2)	RLTPR (2.1)
CELSR2 (2.3)	MADD (2.3)	GNAO1 (2.3)	PTPRZ1 (2.2)
CELSR2 (2.3)	C11orf49 (2.3)	MADD (2.2)	PTPRZ1 (2.2)
MYO1H (3.5)	OR5J2 (3.3)	OR4A1P (3.2)	TECTB (3.2)
TGM5 (2.3)	MYO1H (2.3)	ESRP2 (2.3)	OR4A1P (2.3)
CDK12 (2.1)	ENSG00000226645 (1.9)	WDR76 (1.8)	BBS2 (1.8)
CD40 (2.1)	ABCB9 (2.0)	SNORD58C (2.0)	OR4A1P (1.9)

ı for average

Tissue-specific expression Z score gene 10
LPL (3.5)
LPL (3.5)
NR1H3 (2.9)
COBLL1 (3.1)
COBLL1 (3.1)
CPS1 (7.6)
ETV5 (2.3)
SLC22A1 (4.4)
PIGV (2.2)
COBLL1 (2.0)
SMPD3 (2.7)
PGS1 (2.3)
PGS1 (2.3)
HNF1A (1.7)
OASL (2.3)
OASL (2.1)
CD40 (2.1)
XKR8 (4.2)
XKR8 (3.8)
CSGALNACT1 (2.4)
RBPJ (1.9)
ENSG00000226334 (2.3)
ENSG00000226334 (2.3)
MAFF (1.5)
ZFAND2A (2.5)
MT1F (1.1)
ACP2 (2.2)
ABCB9 (1.3)
NUP93 (1.0)
FNBP4 (1.3)
GPER (1.9)
MACF1 (1.3)
SOST (2.5)
SOST (2.5)
SOST (2.5)
FPR3 (1.2)
COX19 (3.0)
COX19 (3.0)
MIEN1 (1.3)
ACP2 (1.1)
NR1H3 (0.7)
C17orf105 (1.9)
KBTBD4 (1.6)

KBTBD4 (1.6)
KBTBD4 (1.6)
APOA1 (1.9)
CTRL (1.7)
ZNF335 (1.3)
SIDT2 (2.7)
MBD1 (1.7)
MBD1 (1.7)
ELMO3 (1.4)
PGS1 (1.4)
SOST (1.6)
SFN (1.3)
LIPG (1.5)
ARID1A (1.0)
LILRB2 (1.5)
PSMB10 (1.4)
C1orf172 (2.4)
AFF1 (1.2)
SFN (1.3)
AFF1 (1.3)
ESRP2 (1.4)
GRB7 (2.0)
PTPRZ1 (2.5)
MYO5B (1.6)
ESRP2 (1.4)
LILRB2 (1.9)
FNBP4 (1.3)
ESRP2 (2.0)
ESRP2 (2.0)
ENSG00000223745 (1.9)
SBNO1 (2.2)
ST3GAL4 (2.0)
LILRB2 (2.0)
LILRB2 (2.0)
FPR3 (1.9)
FPR3 (1.9)
FADS2 (1.6)
SLC39A13 (1.5)
HNF1A (1.4)
PGAP3 (2.3)
PGAP3 (2.3)
PGAP3 (2.3)
FNBP4 (1.3)
CYP2W1 (2.3)
SMPD3 (3.1)
MYO5B (1.7)
ENSG00000179523 (2.9)
ENSG00000179523 (2.9)
SLC9A5 (2.5)
MST1R (1.3)

PPP1R1B (2.2)
FRMD5 (3.3)
HCAR1 (1.0)
HCAR1 (1.0)
VEGFA (0.9)
ENSG00000255507 (3.1)
FNBP4 (0.8)
SETD8 (1.7)
TUBGCP4 (1.9)
SIDT2 (2.3)
DPEP2 (1.3)
TUBGCP4 (1.7)
FRMD5 (1.8)
MST1R (1.7)
TMED5 (1.3)
CCDC92 (2.5)
BCAM (2.2)
ADAL (1.9)
ZFAND2A (2.1)
TAGLN (2.3)
TAGLN (2.3)
ZSCAN29 (3.4)
GRB7 (0.8)
FRMD5 (1.9)
FRMD5 (1.9)
FZD9 (3.1)
FZD9 (3.1)
HDAC5 (2.5)
PPP1R1B (2.6)
SFN (1.9)
SFN (1.9)
C16orf86 (2.3)
CETP (2.3)
TRPS1 (1.6)
NDUFS3 (3.2)
FNBP4 (0.9)
MADD (2.4)
FEN1 (2.6)
FEN1 (2.6)
ENSG00000179523 (2.3)
NOL3 (1.5)
APOE (1.5)
RSPRY1 (1.8)
APOA1 (2.0)
PITPNM2 (1.6)
ENSG00000226645 (2.4)
PITPNM2 (1.6)
CELSR2 (2.5)
CELSR2 (2.5)
ANGPTL4 (1.6)

MPP2 (2.5)
HERPUD1 (1.8)
TTBK2 (1.9)
LCMT2 (1.4)
EPB42 (4.4)
GFOD2 (2.7)
C16orf48 (1.2)
C1orf172 (2.2)
PSMC3 (1.9)
C11orf49 (2.2)
PTPRZ1 (2.3)
UVRAG (1.4)
UVRAG (1.4)
PTPRZ1 (2.3)
PTPRZ1 (2.3)
KANK2 (0.8)
GFOD2 (4.1)
KIAA0754 (2.1)
CELF1 (3.7)
CELF1 (3.7)
UBR1 (1.9)
ARID1A (1.2)
KCTD10 (1.7)
MADD (2.6)
ZNF664 (1.0)
MPHOSPH9 (2.7)
MBD1 (1.5)
HDAC5 (2.7)
HDAC5 (2.7)
HDAC5 (2.7)
UBR1 (2.5)
BAZ1B (1.7)
ATG13 (1.3)
ATG13 (1.3)
COQ9 (2.7)
TTC39B (1.5)
COQ9 (2.7)
LCMT2 (1.6)
LCMT2 (1.6)
NUTF2 (2.7)
TECTB (2.6)
TECTB (2.6)
RLTPR (2.0)
RLTPR (2.0)
FNBP4 (2.1)
TUBGCP4 (1.3)
KCTD10 (1.2)
ENSG00000179523 (2.3)
KCTD10 (1.2)
MON1A (1.5)

MBD1 (1.5)
APOB (1.5)
RNF214 (1.6)
DDB2 (2.4)
TAGLN (2.0)
TAGLN (2.0)
KCTD10 (1.3)
TAGLN (2.1)
WDR76 (2.1)
WDR76 (2.1)
C11orf49 (2.2)
GNAO1 (2.2)
TSNAXIP1 (2.9)
KLF14 (2.2)
ZNF614 (1.8)
MFAP1 (1.9)

Supplementary Table 35: DEPICT Tissue and Cell Type Enrichment Analysis Results for the genome

DEPICT uses 37,427 human Affymetrix HGUI133a2.2 platform microarrays to infer whether genes ha
expression levels derived from repeating the averaging process 1000 times based on random loci ma

MeSH term	Name	MeSH first level term
A03.620	Liver	Digestive System
A11.436.348	Hepatocytes	Cells
A03.556.124.526.767	Rectum	Digestive System
A11.436	Epithelial Cells	Cells
A05.810.890	Urinary Bladder	Urogenital System
A03.556.249.124	Ileum	Digestive System
A03.556.249	Lower Gastrointestinal Tract	Digestive System
A03.556.249.249	Intestine Large	Digestive System
A03.556.124	Intestines	Digestive System
A03.556.249.249.356	Colon	Digestive System
A10.615.284.473	Chorion	Tissues
A10.615.284	Extraembryonic Membranes	Tissues
A03.556	Gastrointestinal Tract	Digestive System
A03.556.124.684	Intestine Small	Digestive System
A11.436.397	Keratinocytes	Cells
A06.407.071.140	Adrenal Cortex	Endocrine System
A06.407.071	Adrenal Glands	Endocrine System
A10.615.789	Serous Membrane	Tissues
A15.378.316.580	Monocytes	Hemic and Immune Systems
A07.231.114	Arteries	Cardiovascular System
A10.165.114.830.500	Abdominal Fat	Tissues
A10.165.114.830.500.750	Subcutaneous Fat Abdominal	Tissues
A03.556.249.249.356.668	Colon Sigmoid	Digestive System
A10.165.114	Adipose Tissue	Tissues
A15.378	Hematopoietic System	Hemic and Immune Systems
A15.378.316	Bone Marrow Cells	Hemic and Immune Systems
A07.231	Blood Vessels	Cardiovascular System
A10.165.114.830.750	Subcutaneous Fat	Tissues
A10.165.114.830	Adipose Tissue White	Tissues
A10.615	Membranes	Tissues
A03.556.249.249.209	Cecum	Digestive System
A15.382.680	Phagocytes	Hemic and Immune Systems
A10.615.550	Mucous Membrane	Tissues
A11.627	Myeloid Cells	Cells
A07.231.908	Veins	Cardiovascular System
A15.382.812	Mononuclear Phagocyte System	Hemic and Immune Systems
A15.145.300	Fetal Blood	Hemic and Immune Systems
A11.436.275	Endothelial Cells	Cells
A03.556.124.369	Intestinal Mucosa	Digestive System
A02.165	Cartilage	Musculoskeletal System
A11.066	Antigen Presenting Cells	Cells
A15.382.812.260	Dendritic Cells	Hemic and Immune Systems
A10.615.550.760	Respiratory Mucosa	Tissues

A04.531.520	Nasal Mucosa	Respiratory System
A09.531	Nose	Sense Organs
A11.872.190.260	Embryoid Bodies	Cells
A11.329.114	Adipocytes	Cells
A07.231.908.670.874	Umbilical Veins	Cardiovascular System
A07.231.908.670	Portal System	Cardiovascular System
A15.382.490.315.583	Neutrophils	Hemic and Immune Systems
A11.118.637.415	Granulocytes	Cells
A03.556.500.760.464	Parotid Gland	Digestive System
A10.690	Muscles	Tissues
A15.382.812.522	Macrophages	Hemic and Immune Systems
A10.272	Epithelium	Tissues
A03.556.875	Upper Gastrointestinal Tract	Digestive System
A10.690.552	Muscle Striated	Tissues
A10.690.552.500	Muscle Skeletal	Tissues
A03.556.500.760	Salivary Glands	Digestive System
A02.633.567.850	Quadriceps Muscle	Musculoskeletal System
A05.360.319.114.373	Fallopian Tubes	Urogenital System
A14.549.167.646	Periodontium	Stomatognathic System
A05.360.319.887	Vulva	Urogenital System
A03.556.875.875	Stomach	Digestive System
A10.549.400	Lymph Nodes	Tissues
A15.382	Immune System	Hemic and Immune Systems
A11.118.637	Leukocytes	Cells
A10.165	Connective Tissue	Tissues
A15.382.520.604.700	Spleen	Hemic and Immune Systems
A11.872.190	Embryonic Stem Cells	Cells
A11.872.700.500	Induced Pluripotent Stem Cells	Cells
A11.872.700	Pluripotent Stem Cells	Cells
A11.118.637.555.567.562.440	Precursor Cells B Lymphoid	Cells
A11.872.378.294	Lymphoid Progenitor Cells	Cells
A05.360.319.114	Adnexa Uteri	Urogenital System
A05.360.319.114.630	Ovary	Urogenital System
A11.872.040	Adult Stem Cells	Cells
A05.360.319	Genitalia Female	Urogenital System
A11.627.624.249	Monocyte Macrophage Precursor Cells	Cells
A15.382.216	Bone Marrow	Hemic and Immune Systems
A05.810	Urinary Tract	Urogenital System
A10.549	Lymphoid Tissue	Tissues
A15.382.520	Lymphatic System	Hemic and Immune Systems
A15.145.846	Serum	Hemic and Immune Systems
A02.835.232	Bone and Bones	Musculoskeletal System
A02.835	Skeleton	Musculoskeletal System
A05.360.319.679.256	Cervix Uteri	Urogenital System
A05.360.319.679.490	Endometrium	Urogenital System
A05.810.453.324	Kidney Cortex	Urogenital System
A15.145	Blood	Hemic and Immune Systems
A06.407	Endocrine Glands	Endocrine System
A05.810.453	Kidney	Urogenital System
A11.872.653	Neural Stem Cells	Cells

A03.556.875.500	Esophagus	Digestive System
A06.407.312	Gonads	Endocrine System
A09.371	Eye	Sense Organs
A05.360.319.679	Uterus	Urogenital System
A11.620	Muscle Cells	Cells
A11.620.520	Myocytes Smooth Muscle	Cells
A15.145.229.334	Erythrocytes	Hemic and Immune Systems
A11.443	Erythroid Cells	Cells
A15.145.229.188	Blood Platelets	Hemic and Immune Systems
A06.407.312.497.535.300.500	Cumulus Cells	Endocrine System
A05.360.319.114.630.535	Ovarian Follicle	Urogenital System
A11.436.329	Granulosa Cells	Cells
A04.411	Lung	Respiratory System
A15.145.229.637.555	Leukocytes Mononuclear	Hemic and Immune Systems
A15.145.229	Blood Cells	Hemic and Immune Systems
A10.690.467	Muscle Smooth	Tissues
A17.815	Skin	Integumentary System
A14.549.167	Dentition	Stomatognathic System
A11.329	Connective Tissue Cells	Cells
A11.872.378.590.817	Megakaryocyte Erythroid Progenitor Cells	Cells
A15.378.316.378.590.837.250	Erythroid Precursor Cells	Hemic and Immune Systems
A10.615.550.599	Mouth Mucosa	Tissues
A15.145.229.637.555.567.562	Plasma Cells	Hemic and Immune Systems
A15.145.693	Plasma	Hemic and Immune Systems
A11.872.378.590.635	Granulocyte Macrophage Progenitor Cells	Cells
A09.371.060	Anterior Eye Segment	Sense Organs
A11.382	Endocrine Cells	Cells
A11.118.637.555.567.562	B Lymphocytes	Cells
A11.063	Antibody Producing Cells	Cells
A09.371.337.168	Conjunctiva	Sense Organs
A09.371.337	Eyelids	Sense Organs
A02.835.232.043	Bones of Lower Extremity	Musculoskeletal System
A14.549	Mouth	Stomatognathic System
A11.329.372.600	Macrophages Alveolar	Cells
A02.835.583.443	Joint Capsule	Musculoskeletal System
A02.835.583.443.800	Synovial Membrane	Musculoskeletal System
A02.835.583	Joints	Musculoskeletal System
A11.627.635	Myeloid Progenitor Cells	Cells
A06.407.900	Thyroid Gland	Endocrine System
A02.835.232.043.300.710	Tarsal Bones	Musculoskeletal System
A02.835.232.043.300	Foot Bones	Musculoskeletal System
A11.872.378	Hematopoietic Stem Cells	Cells
A11.329.171	Chondrocytes	Cells
A07.541.560	Heart Ventricles	Cardiovascular System
A02.835.583.443.800.800	Synovial Fluid	Musculoskeletal System
A09.371.729	Retina	Sense Organs
A07.541	Heart	Cardiovascular System
A11.497.497.600	Oocytes	Cells
A05.360.490.690	Ovum	Urogenital System
A02.835.232.834.151	Cervical Vertebrae	Musculoskeletal System

A02.835.232.834	Spine	Musculoskeletal System
A03.734	Pancreas	Digestive System
A15.382.490.555.567	Lymphocytes	Hemic and Immune Systems
A05.360.490	Germ Cells	Urogenital System
A10.272.497	Epidermis	Tissues
A14.549.885	Tongue	Stomatognathic System
A11.872	Stem Cells	Cells
A05.360	Genitalia	Urogenital System
A07.541.510	Heart Valves	Cardiovascular System
A07.541.510.110	Aortic Valve	Cardiovascular System
A11.329.830	Stromal Cells	Cells
A11.329.629	Osteoblasts	Cells
A11.436.294.064	Glucagon Secreting Cells	Cells
A11.382.625	Enteroendocrine Cells	Cells
A15.382.520.604.800	Palatine Tonsil	Hemic and Immune Systems
A04.623.603	Oropharynx	Respiratory System
A08.186.211.730.317.357.352	Hypothalamo Hypophyseal System	Nervous System
A08.186.211.730.317.357.352	Hypothalamus Middle	Nervous System
A08.713	Neurosecretory Systems	Nervous System
A15.382.490.555.567.537	Killer Cells Natural	Hemic and Immune Systems
A11.872.580	Mesenchymal Stem Cells	Cells
A03.734.414	Islets of Langerhans	Digestive System
A07.541.358	Heart Atria	Cardiovascular System
A08.186.211.730.317.357	Hypothalamus	Nervous System
A15.145.229.637.555.567.569	CD4 Positive T Lymphocytes	Hemic and Immune Systems
A11.118.637.555.567.569	T Lymphocytes	Cells
A15.382.490.555.567.622	Lymphocytes Null	Hemic and Immune Systems
A07.541.358.100	Atrial Appendage	Cardiovascular System
A05.360.319.679.690	Myometrium	Urogenital System
A14.724.557	Nasopharynx	Stomatognathic System
A11.118.637.555.567.569.200	T Lymphocytes Regulatory	Cells
A11.329.228	Fibroblasts	Cells
A08.186.211.730.317	Diencephalon	Nervous System
A14.724	Pharynx	Stomatognathic System
A11.627.340.360	Granulocyte Precursor Cells	Cells
A08.186.211.730.885.287.249	Corpus Striatum	Nervous System
A05.360.444.492	Penis	Urogenital System
A05.360.444.492.362	Foreskin	Urogenital System
A10.165.450	Granulation Tissue	Tissues
A10.165.450.300	Cicatrix	Tissues
A08.186.211.730.885.287.249	Basal Ganglia	Nervous System
A10.165.450.300.425	Keloid	Tissues
A08.186.211.653	Mesencephalon	Nervous System
A06.407.312.782	Testis	Endocrine System
A08.186.211.730.885.287.500	Frontal Lobe	Nervous System
A08.186.211.730.885.287.500	Parietal Lobe	Nervous System
A10.336	Exocrine Glands	Tissues
A10.336.707	Prostate	Tissues
A05.360.444	Genitalia Male	Urogenital System
A08.186.211.132.810.428.200	Cerebellum	Nervous System

A08.186.211.865.428	Metencephalon	Nervous System
A08.186.211.865	Rhombencephalon	Nervous System
A08.186.211.730.885.287.500	Visual Cortex	Nervous System
A08.186	Central Nervous System	Nervous System
A08.186.211	Brain	Nervous System
A08.186.211.730.885.287.500	Occipital Lobe	Nervous System
A08.186.211.132	Brain Stem	Nervous System
A08.186.211.464.710	Parahippocampal Gyrus	Nervous System
A08.186.211.464.710.225	Entorhinal Cortex	Nervous System
A08.186.211.730.885.287.500	Temporal Lobe	Nervous System
A08.186.211.464.405	Hippocampus	Nervous System
A08.186.211.730	Prosencephalon	Nervous System
A08.186.211.464	Limbic System	Nervous System
A08.186.211.730.885	Telencephalon	Nervous System
A08.186.211.730.885.287	Cerebrum	Nervous System
A08.186.211.730.885.287.500	Cerebral Cortex	Nervous System

-wide significant (P2df < 5×10-8) LDL-cholesterol loci

arboring the identified loci are enriched for high expression in 209 MeSH (Medical Sub
atched by gene density. False-discovery rates (FDR) are obtained from repeating the p

MeSH second level term	Nominal P value	False discovery rate	Tissue-specific expression Z score gene 1
Liver	1.16E-04	**<0.01**	ANGPTL3 (12.1)
Epithelial Cells	2.07E-04	**<0.05**	APOB (9.0)
Gastrointestinal Tract	4.54E-04	**<0.05**	HNF4A (2.6)
Epithelial Cells	6.42E-04	**<0.05**	DNAH11 (1.7)
Urinary Tract	1.80E-03	<0.20	FER1L4 (4.8)
Gastrointestinal Tract	2.57E-03	<0.20	APOA4 (7.6)
Gastrointestinal Tract	4.36E-03	<0.20	HNF4A (2.4)
Gastrointestinal Tract	5.22E-03	<0.20	HNF4A (2.4)
Gastrointestinal Tract	5.34E-03	<0.20	HNF4A (2.6)
Gastrointestinal Tract	6.35E-03	<0.20	HNF4A (2.4)
Membranes	6.40E-03	<0.20	NFE2L3 (2.5)
Membranes	6.40E-03	<0.20	NFE2L3 (2.5)
Gastrointestinal Tract	8.78E-03	<0.20	CBLC (2.0)
Gastrointestinal Tract	8.90E-03	<0.20	APOA4 (4.8)
Epithelial Cells	0.01	<0.20	PCSK9 (2.6)
Endocrine Glands	0.01	<0.20	ENSG00000226622 (5.2)
Endocrine Glands	0.01	<0.20	ENSG00000226622 (4.1)
Membranes	0.01	<0.20	ENSG00000236436 (2.9)
Hematopoietic System	0.01	<0.20	PMFBP1 (2.5)
Blood Vessels	0.02	<0.20	ENSG00000256731 (2.2)
Connective Tissue	0.02	<0.20	GPAM (4.3)
Connective Tissue	0.02	<0.20	GPAM (4.3)
Gastrointestinal Tract	0.02	<0.20	HNF4A (2.6)
Connective Tissue	0.02	<0.20	GPAM (4.2)
Hematopoietic System	0.03	<0.20	GMIP (2.7)
Hematopoietic System	0.03	<0.20	GMIP (2.7)
Blood Vessels	0.03	<0.20	PVR (3.4)
Connective Tissue	0.03	<0.20	GPAM (4.3)
Connective Tissue	0.03	<0.20	GPAM (4.3)
Membranes	0.03	<0.20	FUT2 (2.2)
Gastrointestinal Tract	0.03	<0.20	HNF4A (2.3)
Immune System	0.03	<0.20	GMIP (2.8)
Membranes	0.04	<0.20	FUT2 (2.8)
Myeloid Cells	0.04	<0.20	GMIP (2.7)
Blood Vessels	0.04	>=0.20	RASIP1 (4.6)
Immune System	0.04	>=0.20	PMFBP1 (2.5)
Blood	0.04	>=0.20	PGS1 (2.7)
Epithelial Cells	0.05	>=0.20	RASIP1 (4.1)
Gastrointestinal Tract	0.05	>=0.20	HNF4A (4.1)
Cartilage	0.05	>=0.20	CILP2 (10.8)
Antigen-Presenting Cells	0.05	>=0.20	IZUMO1 (2.2)
Immune System	0.05	>=0.20	IZUMO1 (2.2)
Membranes	0.06	>=0.20	OTX1 (6.7)

Nose	0.06 >=0.20	OTX1 (6.7)
Nose	0.06 >=0.20	OTX1 (6.7)
Stem Cells	0.06 >=0.20	GDF5 (3.4)
Connective Tissue Cells	0.06 >=0.20	GPAM (4.4)
Blood Vessels	0.06 >=0.20	RASIP1 (4.8)
Blood Vessels	0.06 >=0.20	RASIP1 (4.8)
Immune System	0.08 >=0.20	PGS1 (5.4)
Blood Cells	0.1 >=0.20	PGS1 (5.0)
Gastrointestinal Tract	0.11 >=0.20	ENSG00000231204 (4.0)
Muscles	0.11 >=0.20	SYPL2 (4.5)
Immune System	0.12 >=0.20	PMFBP1 (2.9)
Epithelium	0.13 >=0.20	OTX1 (4.1)
Gastrointestinal Tract	0.13 >=0.20	FER1L4 (1.8)
Muscles	0.14 >=0.20	SYPL2 (6.2)
Muscles	0.14 >=0.20	SYPL2 (6.2)
Gastrointestinal Tract	0.14 >=0.20	ENSG00000231204 (4.0)
Muscles	0.15 >=0.20	SYPL2 (6.3)
Genitalia	0.15 >=0.20	BCAM (3.2)
Mouth	0.15 >=0.20	FUT1 (2.5)
Genitalia	0.16 >=0.20	ENSG00000256731 (3.0)
Gastrointestinal Tract	0.17 >=0.20	FER1L4 (2.4)
Lymphoid Tissue	0.18 >=0.20	TIMD4 (5.7)
Immune System	0.18 >=0.20	PARP10 (1.4)
Blood Cells	0.18 >=0.20	GMIP (1.8)
Connective Tissue	0.18 >=0.20	SPATC1 (1.4)
Immune System	0.19 >=0.20	CETP (3.4)
Stem Cells	0.2 >=0.20	CYP26A1 (3.8)
Stem Cells	0.2 >=0.20	PCSK9 (4.0)
Stem Cells	0.2 >=0.20	PCSK9 (4.0)
Blood Cells	0.21 >=0.20	ENSG00000244861 (4.7)
Stem Cells	0.21 >=0.20	ENSG00000244861 (4.7)
Genitalia	0.21 >=0.20	BCAM (2.6)
Genitalia	0.21 >=0.20	BCAM (2.6)
Stem Cells	0.21 >=0.20	CYP26A1 (3.7)
Genitalia	0.21 >=0.20	BCAM (1.7)
Myeloid Cells	0.22 >=0.20	OASL (3.0)
Immune System	0.24 >=0.20	SPATC1 (1.7)
Urinary Tract	0.24 >=0.20	SLC22A2 (7.6)
Lymphoid Tissue	0.24 >=0.20	TIMD4 (4.5)
Immune System	0.24 >=0.20	TIMD4 (4.5)
Blood	0.24 >=0.20	BMPR2 (2.8)
Skeleton	0.25 >=0.20	SPATC1 (1.6)
Skeleton	0.25 >=0.20	SPATC1 (1.5)
Genitalia	0.27 >=0.20	USP1 (1.6)
Genitalia	0.27 >=0.20	MYLIP (1.6)
Urinary Tract	0.27 >=0.20	HAVCR1 (8.6)
Blood	0.28 >=0.20	PGS1 (1.8)
Endocrine Glands	0.28 >=0.20	BCAM (2.0)
Urinary Tract	0.29 >=0.20	SLC22A2 (8.4)
Stem Cells	0.29 >=0.20	NCAN (3.9)

Gastrointestinal Tract	0.29	>=0.20	FUT2 (1.8)
Endocrine Glands	0.3	>=0.20	BCAM (2.4)
Eye	0.3	>=0.20	ST3GAL4 (2.0)
Genitalia	0.31	>=0.20	KANK2 (1.3)
Muscle Cells	0.31	>=0.20	GDF5 (3.5)
Muscle Cells	0.31	>=0.20	GDF5 (3.5)
Blood	0.31	>=0.20	TXNL4B (4.1)
Erythroid Cells	0.32	>=0.20	TXNL4B (4.1)
Blood	0.33	>=0.20	C17orf57 (8.6)
Endocrine Glands	0.34	>=0.20	ST3GAL4 (5.1)
Genitalia	0.34	>=0.20	ST3GAL4 (5.1)
Epithelial Cells	0.34	>=0.20	ST3GAL4 (5.1)
Lung	0.34	>=0.20	HAVCR1 (1.2)
Blood	0.35	>=0.20	SPATC1 (1.6)
Blood	0.35	>=0.20	GMIP (1.8)
Muscles	0.37	>=0.20	PVR (2.5)
Skin	0.38	>=0.20	CBLC (1.8)
Mouth	0.4	>=0.20	GDF5 (1.6)
Connective Tissue Cells	0.41	>=0.20	IGF2R (1.5)
Stem Cells	0.45	>=0.20	PCSK9 (3.7)
Hematopoietic System	0.45	>=0.20	PCSK9 (3.7)
Membranes	0.47	>=0.20	NPEPPS (4.0)
Blood	0.48	>=0.20	FER1L4 (4.0)
Blood	0.49	>=0.20	FER1L4 (4.0)
Stem Cells	0.54	>=0.20	CEP250 (2.2)
Eye	0.55	>=0.20	FUT1 (2.9)
Endocrine Cells	0.55	>=0.20	ST3GAL4 (3.1)
Blood Cells	0.55	>=0.20	FER1L4 (2.9)
Antibody-Producing Cells	0.55	>=0.20	FER1L4 (2.9)
Eye	0.56	>=0.20	FUT1 (2.9)
Eye	0.56	>=0.20	FUT1 (2.9)
Skeleton	0.57	>=0.20	FUT1 (2.6)
Mouth	0.57	>=0.20	NPEPPS (1.9)
Connective Tissue Cells	0.58	>=0.20	APOC1 (3.9)
Skeleton	0.58	>=0.20	ABCA6 (2.6)
Skeleton	0.58	>=0.20	ABCA6 (2.6)
Skeleton	0.58	>=0.20	ABCA6 (2.6)
Myeloid Cells	0.58	>=0.20	MCM6 (2.3)
Endocrine Glands	0.59	>=0.20	LIPG (3.5)
Skeleton	0.59	>=0.20	FUT1 (2.7)
Skeleton	0.59	>=0.20	FUT1 (2.7)
Stem Cells	0.6	>=0.20	MCM6 (2.0)
Connective Tissue Cells	0.61	>=0.20	CILP2 (6.0)
Heart	0.61	>=0.20	GOT2P1 (4.5)
Skeleton	0.61	>=0.20	PBX4 (4.2)
Eye	0.63	>=0.20	RP1 (13.0)
Heart	0.66	>=0.20	GOT2P1 (3.9)
Germ Cells	0.68	>=0.20	LCT (4.0)
Genitalia	0.68	>=0.20	LCT (4.0)
Skeleton	0.69	>=0.20	SUMO1 (1.6)

Skeleton	0.69	>=0.20	SUMO1 (1.6)
Pancreas	0.73	>=0.20	POLK (1.4)
Immune System	0.74	>=0.20	POC5 (2.0)
Genitalia	0.78	>=0.20	LCT (3.7)
Epithelium	0.79	>=0.20	CYB561D1 (4.2)
Mouth	0.8	>=0.20	FUT1 (2.4)
Stem Cells	0.82	>=0.20	MCM6 (1.6)
Genitalia	0.83	>=0.20	BCAM (1.7)
Heart	0.84	>=0.20	TIMD4 (3.2)
Heart	0.84	>=0.20	TIMD4 (3.2)
Connective Tissue Cells	0.84	>=0.20	PVR (2.5)
Connective Tissue Cells	0.86	>=0.20	RAB3GAP1 (3.6)
Epithelial Cells	0.87	>=0.20	FEN1 (2.1)
Endocrine Cells	0.87	>=0.20	FEN1 (2.1)
Immune System	0.87	>=0.20	GMIP (2.2)
Pharynx	0.87	>=0.20	GMIP (2.2)
Central Nervous System	0.87	>=0.20	YIPF2 (3.6)
Central Nervous System	0.87	>=0.20	YIPF2 (3.6)
Neurosecretory Systems	0.87	>=0.20	YIPF2 (3.6)
Immune System	0.87	>=0.20	OASL (2.7)
Stem Cells	0.89	>=0.20	GDF5 (2.9)
Pancreas	0.9	>=0.20	FEN1 (1.6)
Heart	0.9	>=0.20	TRIM54 (3.2)
Central Nervous System	0.91	>=0.20	GPR61 (3.0)
Blood	0.91	>=0.20	PBX4 (5.8)
Blood Cells	0.92	>=0.20	PBX4 (4.0)
Immune System	0.92	>=0.20	CEP250 (3.5)
Heart	0.93	>=0.20	TRIM54 (3.3)
Genitalia	0.93	>=0.20	KANK2 (2.6)
Pharynx	0.94	>=0.20	ENSG00000235545 (3.9)
Blood Cells	0.95	>=0.20	PBX4 (5.5)
Connective Tissue Cells	0.95	>=0.20	TRAM2 (2.1)
Central Nervous System	0.95	>=0.20	ENSG00000228044 (2.5)
Pharynx	0.96	>=0.20	ENSG00000235545 (2.5)
Myeloid Cells	0.98	>=0.20	MCM6 (3.1)
Central Nervous System	0.98	>=0.20	C11orf9 (5.2)
Genitalia	0.99	>=0.20	APOB (1.4)
Genitalia	0.99	>=0.20	APOB (1.5)
Connective Tissue	0.99	>=0.20	ENSG00000235545 (3.6)
Connective Tissue	0.99	>=0.20	ENSG00000235545 (3.6)
Central Nervous System	0.99	>=0.20	C11orf9 (4.0)
Connective Tissue	0.99	>=0.20	ENSG00000235545 (3.6)
Central Nervous System	1	>=0.20	NCAN (2.9)
Endocrine Glands	1	>=0.20	ENSG00000226622 (6.0)
Central Nervous System	1	>=0.20	R3HDM1 (3.5)
Central Nervous System	1	>=0.20	GSTM5 (3.2)
Exocrine Glands	1	>=0.20	ENSG00000226648 (3.8)
Exocrine Glands	1	>=0.20	ENSG00000226648 (4.2)
Genitalia	1	>=0.20	ENSG00000226648 (3.2)
Central Nervous System	1	>=0.20	ZNF821 (3.6)

Central Nervous System	1 >=0.20	ZNF821 (3.3)
Central Nervous System	1 >=0.20	ZNF821 (3.3)
Central Nervous System	1 >=0.20	HAPLN4 (5.0)
Central Nervous System	1 >=0.20	NCAN (2.5)
Central Nervous System	1 >=0.20	NCAN (2.6)
Central Nervous System	1 >=0.20	HAPLN4 (4.9)
Central Nervous System	1 >=0.20	ZNF821 (2.7)
Central Nervous System	1 >=0.20	NCAN (3.1)
Central Nervous System	1 >=0.20	NCAN (3.1)
Central Nervous System	1 >=0.20	NCAN (3.1)
Central Nervous System	1 >=0.20	C11orf9 (3.5)
Central Nervous System	1 >=0.20	NCAN (2.8)
Central Nervous System	1 >=0.20	NCAN (3.1)
Central Nervous System	1 >=0.20	NCAN (3.0)
Central Nervous System	1 >=0.20	NCAN (3.0)
Central Nervous System	1 >=0.20	NCAN (3.0)

)ject Heading) tissues or cell types. The tissue-/cell-type specific P values are derived by nor
)rocedure 50 times based on 500 pre-computed null GWAS. The method is described in det

Tissue-specific expression Z score gene 2	Tissue-specific expression Z score gene 3	Tissue-specific expression Z score gene 4	Tissue-specific expression Z score gene 5
LPA (11.8)	PLG (10.8)	SLC22A1 (10.3)	ABCG8 (10.0)
APOC3 (8.3)	ABCG5 (8.1)	C19orf80 (7.3)	ABCG8 (6.8)
HNF1A (2.0)	CBLC (1.8)	KRTCAP3 (1.7)	FUT2 (1.3)
YSK4 (1.3)	ENSG00000182329 (1.3)	HAVCR1 (1.1)	PVR (1.0)
HAVCR1 (2.1)	CBLC (2.0)	ERGIC3 (1.5)	KRTCAP3 (1.4)
TM6SF2 (7.0)	APOC3 (4.7)	APOB (4.6)	ABCG5 (4.6)
CBLC (2.2)	KRTCAP3 (2.2)	HNF1A (1.7)	NFE2L3 (1.7)
KRTCAP3 (2.2)	CBLC (2.2)	NFE2L3 (1.8)	HNF1A (1.7)
CBLC (2.3)	KRTCAP3 (2.2)	HNF1A (1.8)	FUT2 (1.7)
KRTCAP3 (2.2)	CBLC (2.2)	NFE2L3 (1.8)	HNF1A (1.7)
LDLR (2.4)	TRAM2 (2.4)	PVR (2.3)	IZUMO1 (2.2)
LDLR (2.4)	TRAM2 (2.4)	PVR (2.3)	IZUMO1 (2.2)
HNF4A (2.0)	KRTCAP3 (1.9)	FUT2 (1.7)	HNF1A (1.4)
TM6SF2 (4.3)	ABCG5 (2.9)	APOC3 (2.9)	APOB (2.9)
CBLC (2.3)	LDLR (2.2)	LIPG (2.0)	SARS (1.9)
ENSG00000256731 (4.5)	POLK (3.9)	LDLR (3.7)	FNDC4 (3.0)
ENSG00000256731 (3.2)	LDLR (3.1)	POLK (2.9)	FADS2 (2.7)
HP (1.9)	TIMD4 (1.8)	NYNRIN (1.5)	CILP2 (1.4)
GMIP (2.4)	RELB (2.4)	IZUMO1 (2.2)	OASL (2.2)
ABCA6 (1.9)	FADS2 (1.8)	BCAM (1.8)	LIPG (1.5)
C19orf80 (4.1)	ABCA6 (3.6)	LPL (3.5)	DOCK6 (3.3)
C19orf80 (4.1)	ABCA6 (3.6)	LPL (3.5)	DOCK6 (3.3)
CBLC (2.4)	ENSG00000256731 (1.9)	HNF1A (1.7)	KRTCAP3 (1.7)
ABCA6 (3.3)	LPL (3.2)	C19orf80 (3.0)	DOCK6 (2.4)
PGS1 (2.3)	OASL (2.3)	IZUMO1 (2.2)	RELB (2.2)
PGS1 (2.3)	OASL (2.3)	IZUMO1 (2.2)	RELB (2.2)
RASIP1 (3.3)	DOCK6 (2.5)	LIPG (2.2)	BMPR2 (2.1)
ABCA6 (3.6)	LPL (3.4)	C19orf80 (3.2)	DOCK6 (2.7)
ABCA6 (3.6)	LPL (3.4)	C19orf80 (3.2)	DOCK6 (2.7)
CBLC (1.5)	OTX1 (1.4)	KRTCAP3 (1.4)	NYNRIN (1.2)
KRTCAP3 (2.1)	CBLC (2.0)	NFE2L3 (1.9)	PLEC (1.9)
PMFBP1 (2.5)	IGF2R (2.4)	OASL (2.3)	RELB (2.2)
CBLC (2.0)	KRTCAP3 (1.8)	OTX1 (1.8)	YSK4 (1.5)
PMFBP1 (2.3)	IGF2R (2.2)	OASL (2.1)	IZUMO1 (2.1)
DOCK6 (3.4)	PVR (3.1)	BMPR2 (2.5)	LIPG (2.3)
GMIP (2.2)	IZUMO1 (2.1)	RELB (1.9)	OASL (1.9)
LPIN3 (2.4)	IZUMO1 (2.3)	TOMM40 (1.8)	ABO (1.5)
PVR (3.4)	DOCK6 (3.0)	LIPG (2.5)	BMPR2 (2.4)
CBLC (3.0)	KRTCAP3 (2.9)	FUT2 (2.5)	HNF1A (2.4)
SLC22A1 (5.5)	RELB (3.5)	DHX38 (2.8)	ENSG00000254235 (2.1)
PMFBP1 (2.1)	RELB (2.0)	GMIP (1.9)	MAP3K4 (1.9)
PMFBP1 (2.1)	RELB (2.0)	GMIP (1.9)	MAP3K4 (1.9)
YSK4 (6.1)	ENSG00000182329 (5.3)	DNAH11 (4.4)	FUT2 (3.9)

YSK4 (6.1)	ENSG00000182329 (5.3)	DNAH11 (4.4)	FUT2 (3.9)
YSK4 (6.1)	ENSG00000182329 (5.3)	DNAH11 (4.4)	FUT2 (3.9)
C11orf9 (2.6)	YIPF2 (2.5)	PVR (2.4)	PVRL2 (2.3)
ENSG00000244861 (3.2)	LPL (3.0)	SLC22A3 (2.9)	FADS1 (2.5)
DOCK6 (3.5)	PVR (3.3)	BMPR2 (2.8)	LIPG (2.5)
DOCK6 (3.5)	PVR (3.3)	BMPR2 (2.8)	LIPG (2.5)
GNAT2 (4.6)	GMIP (4.4)	LPAR2 (4.2)	IGF2R (4.2)
GNAT2 (4.2)	GMIP (4.1)	LPAR2 (3.9)	IGF2R (3.8)
TSSK6 (3.7)	FGF21 (3.6)	TBKBP1 (2.9)	YIPF2 (2.3)
TRIM54 (4.2)	MAMSTR (3.7)	GSTM4 (3.2)	ATXN7L2 (2.8)
IGF2R (2.4)	APOC1 (2.3)	GMIP (2.2)	COL4A3BP (2.1)
YSK4 (3.7)	ENSG00000182329 (3.1)	DNAH11 (2.7)	FUT2 (2.4)
FUT2 (1.7)	KRTCAP3 (1.3)	KANK2 (1.2)	DOCK6 (1.0)
TRIM54 (6.1)	MAMSTR (5.0)	GSTM4 (4.4)	ATXN7L2 (3.8)
TRIM54 (6.1)	MAMSTR (5.0)	GSTM4 (4.4)	ATXN7L2 (3.8)
FGF21 (3.5)	TSSK6 (3.5)	TBKBP1 (3.0)	YIPF2 (2.4)
TRIM54 (6.2)	MAMSTR (5.2)	GSTM4 (4.6)	ATXN7L2 (4.0)
CILP2 (1.8)	KRTCAP3 (1.6)	USP1 (1.6)	NYNRIN (1.6)
MAFB (2.1)	FUT2 (2.1)	CBLC (2.0)	OBP2B (1.9)
MAFB (1.9)	CELSR2 (1.8)	CBLC (1.7)	PLEC (1.5)
FUT2 (1.8)	KRTCAP3 (1.3)	KANK2 (1.3)	DOCK6 (1.2)
CETP (4.6)	APOC1 (1.8)	APOE (1.5)	GPR61 (1.5)
SPATC1 (1.4)	GMIP (1.4)	TRIB1 (1.4)	TIMD4 (1.2)
LPAR2 (1.7)	RELB (1.6)	IZUMO1 (1.5)	PARP10 (1.5)
TRIB1 (1.3)	TIMD4 (1.3)	ENSG00000244861 (1.2)	ERGIC3 (1.2)
TIMD4 (2.9)	POC5 (1.6)	GMIP (1.3)	USP1 (1.3)
NUP93 (2.2)	MCM6 (2.1)	SMARCA4 (2.1)	ZRANB3 (2.0)
CYP26A1 (3.8)	MCM6 (2.9)	NUP93 (2.8)	FEN1 (2.6)
CYP26A1 (3.8)	MCM6 (2.9)	NUP93 (2.8)	FEN1 (2.6)
USP24 (4.0)	NPEPPS (3.8)	ABCA1 (3.6)	MAU2 (3.2)
USP24 (4.0)	NPEPPS (3.8)	ABCA1 (3.6)	MAU2 (3.2)
CILP2 (1.3)	KRTCAP3 (1.2)	NYNRIN (1.2)	USP1 (1.2)
CILP2 (1.3)	KRTCAP3 (1.2)	NYNRIN (1.2)	USP1 (1.2)
PCSK9 (2.7)	FEN1 (2.4)	NFE2L3 (2.2)	NUP93 (2.1)
SMARCA4 (1.1)	KRTCAP3 (1.0)	NYNRIN (1.0)	IFT172 (0.9)
TXNL4B (2.4)	CEP250 (2.4)	ENSG00000226806 (2.0)	C19orf52 (2.0)
TRIB1 (1.7)	TIMD4 (1.6)	ERGIC3 (1.5)	PARP10 (1.5)
HAVCR1 (5.1)	ANGPTL3 (3.5)	PLG (3.0)	LIPC (2.3)
CETP (3.7)	GMIP (1.4)	USP1 (1.2)	RELB (1.2)
CETP (3.7)	GMIP (1.4)	USP1 (1.2)	RELB (1.2)
TRAM2 (2.5)	FADS2 (2.4)	PVR (2.4)	RASIP1 (2.2)
TRIB1 (1.4)	TIMD4 (1.4)	ERGIC3 (1.3)	ENSG00000244861 (1.3)
TRIB1 (1.4)	TIMD4 (1.3)	ERGIC3 (1.3)	ENSG00000244861 (1.3)
MAFB (1.2)	CBLC (1.1)	KRTCAP3 (1.1)	FUT2 (1.0)
KANK2 (1.3)	ERGIC3 (1.2)	SMARCA4 (1.1)	CYP26A1 (1.1)
SLC22A2 (3.5)	PLG (2.4)	GDF5 (2.2)	BCAM (2.2)
LPAR2 (1.8)	GMIP (1.8)	ENSG00000226648 (1.8)	MAU2 (1.7)
NYNRIN (1.0)	KRTCAP3 (0.9)	CILP2 (0.9)	IFT172 (0.9)
HAVCR1 (5.5)	ANGPTL3 (3.9)	PLG (3.3)	LIPC (2.5)
ATXN7L2 (3.4)	FADS2 (3.3)	SMARCA4 (2.9)	LIPG (2.7)

PLEC (1.7)	ENSG00000236436 (1.6)	KRTCAP3 (1.4)	ENSG00000256731 (1.4)
NYNRIN (1.3)	CILP2 (1.2)	KRTCAP3 (1.2)	USP1 (1.1)
SNX17 (1.9)	COL4A3BP (1.9)	RP1 (1.7)	MYLIP (1.6)
MYLIP (1.3)	SMARCA4 (1.0)	PLCG1 (1.0)	ERGIC3 (1.0)
PVR (3.5)	TRAM2 (3.2)	LIPG (2.4)	YIPF2 (2.3)
PVR (3.5)	TRAM2 (3.2)	LIPG (2.4)	YIPF2 (2.3)
C17orf57 (3.7)	LIPC (2.9)	PCSK9 (2.5)	CETP (2.3)
C17orf57 (3.6)	LIPC (2.8)	PCSK9 (2.4)	CETP (2.3)
LIPC (8.2)	TXNL4B (7.1)	CETP (6.2)	LPIN3 (5.3)
LCT (4.7)	ENSG00000226806 (4.0)	HMGCR (2.9)	GCKR (2.8)
LCT (4.7)	ENSG00000226806 (4.0)	HMGCR (2.9)	GCKR (2.8)
LCT (4.7)	ENSG00000226806 (4.0)	HMGCR (2.9)	GCKR (2.8)
SLC22A3 (1.1)	ENSG00000256731 (1.0)	BMPR2 (0.8)	APOC1 (0.8)
TSSK6 (1.4)	OBP2B (1.4)	RELB (1.4)	GMIP (1.4)
LPAR2 (1.5)	MAU2 (1.5)	PARP10 (1.4)	PGS1 (1.4)
GDF5 (2.3)	TRAM2 (2.3)	KANK2 (1.7)	NRBP1 (1.6)
MAFB (1.6)	SLC22A3 (1.4)	CELSR2 (1.4)	PLEC (1.2)
SARS (1.5)	FUT1 (1.4)	ZHX3 (1.3)	SLC44A2 (1.3)
DOCK7 (0.9)	RAB3GAP1 (0.9)	ENSG00000236436 (0.9)	NRBP1 (0.8)
DARS (2.8)	FEN1 (2.8)	MAP3K4 (2.7)	ZRANB3 (2.7)
DARS (2.8)	FEN1 (2.8)	MAP3K4 (2.7)	ZRANB3 (2.7)
FUT2 (2.6)	CBLC (1.9)	NRBP1 (1.7)	MAFB (1.6)
C19orf52 (3.0)	SPATC1 (3.0)	ATP13A1 (2.9)	YIPF2 (2.8)
SPATC1 (3.0)	C19orf52 (2.9)	ATP13A1 (2.9)	YIPF2 (2.8)
MCM6 (2.1)	TXNL4B (2.1)	OASL (2.0)	C19orf52 (1.8)
LPA (2.7)	CYP26A1 (2.3)	FUT2 (2.3)	C19orf52 (2.2)
LCT (2.8)	HMGCR (2.0)	ENSG00000226806 (1.9)	NPEPPS (1.6)
SPATC1 (2.6)	ATP13A1 (2.3)	C19orf52 (2.2)	TSSK6 (2.2)
SPATC1 (2.6)	ATP13A1 (2.3)	C19orf52 (2.2)	TSSK6 (2.2)
LPA (2.8)	CYP26A1 (2.3)	FUT2 (2.3)	C19orf52 (2.2)
LPA (2.8)	CYP26A1 (2.3)	FUT2 (2.3)	C19orf52 (2.2)
LPA (2.6)	CYP26A1 (2.1)	FUT2 (2.0)	C19orf52 (2.0)
FUT2 (1.9)	MAP3K4 (1.4)	CBLC (1.4)	MAFB (1.3)
COL4A3BP (3.3)	OASL (2.7)	ENSG00000228044 (2.6)	SORT1 (2.5)
LDLR (1.8)	MAFB (1.6)	KANK2 (1.6)	TRAM2 (1.6)
LDLR (1.8)	MAFB (1.6)	KANK2 (1.6)	TRAM2 (1.6)
LDLR (1.8)	MAFB (1.6)	KANK2 (1.6)	TRAM2 (1.6)
FEN1 (2.0)	TXNL4B (2.0)	CEP250 (1.8)	DARS (1.8)
C17orf57 (2.9)	ENSG00000226648 (2.2)	TRIB1 (2.0)	BCAM (1.6)
LPA (2.6)	CYP26A1 (2.1)	IST1 (2.1)	FUT2 (2.1)
LPA (2.6)	CYP26A1 (2.1)	IST1 (2.1)	FUT2 (2.1)
TXNL4B (1.9)	ZRANB3 (1.8)	ENSG00000244861 (1.8)	FEN1 (1.7)
GDF5 (3.6)	ENSG00000236436 (2.9)	TRAM2 (2.4)	IZUMO1 (2.3)
TRIM54 (3.8)	LPL (3.3)	SYPL2 (3.1)	BCAM (3.1)
OASL (3.4)	ENSG00000226648 (3.1)	TIMD4 (3.0)	ZNF513 (2.8)
GNAT2 (7.2)	ZNF821 (3.1)	USP1 (2.7)	SMARCA4 (2.7)
TRIM54 (3.4)	LPL (3.1)	SYPL2 (2.8)	HP (2.7)
CYP26A1 (3.4)	ENSG00000226806 (2.5)	ST3GAL4 (2.4)	ATXN1L (2.1)
CYP26A1 (3.4)	ENSG00000226806 (2.5)	ST3GAL4 (2.4)	ATXN1L (2.1)
C12orf43 (1.3)	KPNB1 (1.3)	SARS (1.3)	C19orf52 (1.3)

KPNB1 (1.3)	C12orf43 (1.3)	SARS (1.3)	C19orf52 (1.3)
KRTCAP3 (1.0)	UBXN4 (0.9)	PLEC (0.8)	ENSG00000256731 (0.8)
SPATC1 (2.0)	C19orf52 (1.6)	ATP13A1 (1.6)	TSSK6 (1.5)
CYP26A1 (3.0)	ENSG00000226806 (2.4)	ST3GAL4 (2.1)	LIPG (1.9)
CBLC (3.9)	CELSR2 (2.8)	PLEC (2.6)	ABCA5 (2.5)
NOP58 (2.4)	FGF21 (2.1)	KRTCAP3 (2.0)	IST1 (1.9)
FEN1 (1.4)	SUMO1 (1.4)	NUP93 (1.4)	ZRANB3 (1.3)
KRTCAP3 (1.1)	NYNRIN (0.9)	KANK2 (0.8)	ENSG00000256731 (0.8)
ABCA6 (3.2)	GSTM5 (2.3)	BMPR2 (2.1)	IST1 (1.9)
ABCA6 (3.2)	GSTM5 (2.3)	BMPR2 (2.1)	IST1 (1.9)
ZHX3 (2.2)	TRAM2 (2.1)	ENSG00000226648 (2.0)	CARM1 (2.0)
SARS (2.7)	SUMO1 (2.4)	TM6SF2 (2.4)	SNX17 (1.9)
DARS (1.9)	PCSK9 (1.8)	PLEC (1.8)	ZRANB3 (1.6)
DARS (1.9)	PCSK9 (1.8)	PLEC (1.8)	ZRANB3 (1.6)
BUD13 (2.2)	SUGP1 (2.0)	CEP250 (1.9)	USP24 (1.8)
BUD13 (2.2)	SUGP1 (2.0)	CEP250 (1.9)	USP24 (1.8)
GPR61 (2.9)	IFT172 (2.8)	AMPD2 (2.7)	CYB561D1 (2.3)
GPR61 (2.9)	IFT172 (2.8)	AMPD2 (2.7)	CYB561D1 (2.3)
GPR61 (2.9)	IFT172 (2.8)	AMPD2 (2.7)	CYB561D1 (2.3)
POC5 (2.3)	NOP58 (2.0)	MAU2 (1.9)	MCM6 (1.9)
SARS (2.1)	ZHX3 (2.1)	SNX17 (1.7)	RAB3GAP1 (1.6)
RAB3GAP1 (1.4)	PLEC (1.3)	SUMO1 (1.3)	PCSK9 (1.3)
LPIN3 (3.0)	HP (2.8)	KANK2 (2.7)	LPL (2.6)
YIPF2 (2.9)	IFT172 (2.6)	AMPD2 (2.5)	ENSG00000228044 (2.4)
ENSG00000226648 (4.3)	MAU2 (3.3)	POC5 (3.0)	IST1 (2.9)
POC5 (2.3)	MAU2 (2.0)	ENSG00000226806 (2.0)	BUD13 (1.9)
MCM6 (3.2)	FEN1 (3.0)	POC5 (2.9)	PPM1G (2.7)
LPIN3 (3.1)	HP (3.1)	KANK2 (2.8)	DHODH (2.7)
SLC22A3 (2.5)	ENSG00000256731 (2.3)	GSTM5 (1.8)	MAP3K4 (1.4)
PMFBP1 (3.8)	DNAH11 (3.8)	ENSG00000228044 (3.5)	ENSG00000236267 (2.6)
ENSG00000226648 (4.9)	IST1 (3.0)	POC5 (2.9)	MAU2 (2.9)
DOCK7 (2.0)	SARS (1.6)	RAB3GAP1 (1.6)	ZHX3 (1.4)
ERGIC3 (2.2)	IFT172 (2.2)	MAMSTR (2.1)	GPR61 (2.0)
ENSG00000228044 (2.2)	DNAH11 (2.2)	PMFBP1 (2.1)	ZRANB3 (2.0)
IZUMO1 (2.9)	HP (2.7)	USP1 (2.5)	SPATC1 (2.3)
ZHX3 (3.3)	ENSG00000226645 (2.8)	ENSG00000254235 (2.7)	C17orf57 (2.5)
GNAT2 (1.3)	NYNRIN (1.3)	ZHX3 (1.2)	HMGCR (1.2)
GNAT2 (1.4)	NYNRIN (1.4)	ZHX3 (1.3)	HMGCR (1.3)
TRAM2 (3.0)	SARS (2.4)	GDF5 (2.3)	RAB3GAP1 (2.1)
TRAM2 (3.0)	SARS (2.4)	GDF5 (2.3)	RAB3GAP1 (2.1)
ENSG00000226645 (3.2)	ZHX3 (2.8)	NCAN (2.7)	TOMM40 (2.1)
TRAM2 (3.1)	ENSG00000236267 (2.5)	SARS (2.5)	RAB3GAP1 (2.4)
HAPLN4 (2.9)	PSRC1 (2.6)	ENSG00000236267 (2.5)	ENSG00000226645 (2.3)
ENSG00000236436 (2.1)	ENSG00000256731 (1.9)	ENSG00000226645 (1.9)	HMGCR (1.9)
HAPLN4 (3.5)	MAMSTR (3.1)	NCAN (2.7)	AMIGO1 (2.6)
NCAN (3.0)	HAPLN4 (2.9)	TBKBP1 (2.6)	R3HDM1 (2.5)
SLC22A3 (3.2)	ENSG00000256731 (2.9)	BCAM (2.3)	FUT1 (2.2)
SLC22A3 (3.3)	ENSG00000256731 (3.0)	FUT1 (2.5)	BCAM (2.4)
SLC22A3 (2.6)	ENSG00000256731 (2.4)	FUT1 (2.0)	ENSG00000226645 (1.8)
AMIGO1 (2.5)	HAPLN4 (2.3)	ABCA5 (2.1)	NPEPPS (2.1)

AMIGO1 (2.4)	HAPLN4 (2.4)	ABCA5 (1.9)	NPEPPS (1.9)
AMIGO1 (2.4)	HAPLN4 (2.4)	ABCA5 (1.9)	NPEPPS (1.9)
R3HDM1 (4.3)	NCAN (2.9)	SUGP1 (2.7)	CELSR2 (2.3)
HAPLN4 (2.1)	ENSG00000235545 (2.0)	PSRC1 (1.8)	CELSR2 (1.8)
HAPLN4 (2.1)	ENSG00000235545 (2.0)	PSRC1 (1.9)	CELSR2 (1.8)
R3HDM1 (4.2)	NCAN (3.0)	SUGP1 (2.5)	CELSR2 (2.3)
HAPLN4 (2.6)	AMIGO1 (2.1)	NCAN (1.9)	ENSG00000226645 (1.7)
R3HDM1 (2.9)	AMIGO1 (2.7)	GSTM5 (2.7)	CELSR2 (2.5)
R3HDM1 (2.9)	AMIGO1 (2.7)	GSTM5 (2.7)	CELSR2 (2.5)
R3HDM1 (3.1)	GSTM5 (2.7)	AMIGO1 (2.6)	CELSR2 (2.4)
NCAN (3.1)	CELSR2 (2.8)	SORT1 (2.7)	ENSG00000226645 (2.6)
R3HDM1 (2.6)	HAPLN4 (2.5)	CELSR2 (2.3)	AMIGO1 (2.3)
CELSR2 (2.6)	C11orf9 (2.6)	R3HDM1 (2.6)	AMIGO1 (2.5)
R3HDM1 (2.7)	HAPLN4 (2.6)	CELSR2 (2.4)	C11orf9 (2.4)
R3HDM1 (2.7)	HAPLN4 (2.7)	CELSR2 (2.5)	AMIGO1 (2.4)
R3HDM1 (2.9)	HAPLN4 (2.8)	CELSR2 (2.5)	AMIGO1 (2.5)

rmalizing average expression levels across identified loci using mean and standard deviation
ail in Pers et al. NatComm 2015.

Tissue-specific expression Z score gene 6	Tissue-specific expression Z score gene 7	Tissue-specific expression Z score gene 8	Tissue-specific expression Z score gene 9
ABCG5 (9.8)	APOC4 (9.6)	APOA5 (9.4)	APOC3 (9.3)
HNF4A (6.0)	APOA5 (5.5)	HP (5.4)	GCKR (5.3)
ERGIC3 (1.3)	NFE2L3 (1.3)	PLEC (1.2)	PCSK9 (1.1)
PPM1G (1.0)	NUP93 (1.0)	PCSK9 (0.9)	RP1 (0.9)
TOMM40 (1.4)	PLEC (1.3)	BCAM (1.2)	SMARCA4 (1.0)
CBLC (3.3)	HNF4A (3.2)	ABCG8 (3.2)	GSTM4 (2.8)
FUT2 (1.6)	PCSK9 (1.5)	ENSG00000256731 (1.3)	LIPG (1.2)
FUT2 (1.6)	PCSK9 (1.5)	ENSG00000256731 (1.3)	LIPG (1.2)
NFE2L3 (1.5)	PCSK9 (1.4)	LIPG (1.2)	IFT172 (1.0)
FUT2 (1.6)	PCSK9 (1.6)	ENSG00000256731 (1.3)	LIPG (1.2)
LIPG (2.1)	SARS (1.9)	SLC22A3 (1.8)	ENSG00000236436 (1.7)
LIPG (2.1)	SARS (1.9)	SLC22A3 (1.8)	ENSG00000236436 (1.7)
PCSK9 (1.1)	NFE2L3 (1.0)	DOCK6 (0.9)	ENSG00000256731 (0.9)
HNF4A (2.0)	CBLC (1.8)	HNF1A (1.7)	ABCG8 (1.7)
PMFBP1 (1.7)	YIPF2 (1.7)	ZNF513 (1.7)	FUT1 (1.7)
APOC1 (2.9)	FADS2 (2.8)	ABCA1 (2.7)	APOE (2.7)
FNDC4 (2.6)	APOC1 (2.6)	MAMSTR (2.4)	APOE (2.3)
MAFB (1.3)	BCAM (1.3)	KANK2 (1.2)	MYLIP (0.9)
MAFB (1.9)	GRINA (1.7)	OBP2B (1.5)	NRBP1 (1.5)
PLCG1 (1.5)	KANK2 (1.4)	PVR (1.4)	TRAM2 (1.3)
ATXN1L (2.8)	CETP (2.7)	RASIP1 (2.7)	BCAM (2.0)
ATXN1L (2.8)	CETP (2.7)	RASIP1 (2.7)	BCAM (2.0)
FUT2 (1.6)	IFT172 (1.4)	NFE2L3 (1.2)	DOCK6 (1.1)
ATXN1L (2.4)	RASIP1 (2.3)	POLK (1.9)	CETP (1.8)
LPAR2 (2.0)	PMFBP1 (2.0)	TRIB1 (2.0)	IGF2R (1.9)
LPAR2 (2.0)	PMFBP1 (2.0)	TRIB1 (2.0)	IGF2R (1.9)
TRAM2 (2.0)	PVRL2 (1.9)	FADS2 (1.6)	NRBP1 (1.5)
ATXN1L (2.7)	RASIP1 (2.5)	CETP (2.2)	POLK (2.0)
ATXN1L (2.7)	RASIP1 (2.5)	CETP (2.2)	POLK (2.0)
IFT172 (1.2)	YSK4 (1.1)	HNF4A (1.0)	ABCA5 (1.0)
HNF1A (1.8)	FUT2 (1.8)	ENSG00000256731 (1.6)	LIPG (1.5)
IZUMO1 (2.1)	PGS1 (2.0)	GNAT2 (1.9)	ABCA1 (1.9)
ENSG00000182329 (1.4)	IFT172 (1.4)	HNF4A (1.4)	ABCA5 (1.3)
RELB (2.0)	PGS1 (1.9)	GNAT2 (1.8)	LPAR2 (1.8)
PVRL2 (2.3)	NFE2L3 (2.0)	NYNRIN (2.0)	TRAM2 (1.9)
IGF2R (1.8)	MAFB (1.7)	COL4A3BP (1.5)	ABCA1 (1.4)
CARM1 (1.5)	GMIP (1.5)	LPAR2 (1.5)	TSSK6 (1.4)
NFE2L3 (2.0)	PVRL2 (1.9)	PLCG1 (1.7)	TRAM2 (1.7)
ABO (2.4)	TM6SF2 (2.0)	GSTM4 (1.6)	C11orf9 (1.5)
POLK (2.1)	ENSG00000226806 (2.0)	PVR (1.9)	DOCK7 (1.8)
ZNF513 (1.6)	GNAT2 (1.5)	OASL (1.4)	IGF2R (1.4)
ZNF513 (1.6)	GNAT2 (1.5)	OASL (1.4)	IGF2R (1.4)
IFT172 (3.8)	UBXN4 (3.3)	CYP26A1 (2.8)	RP1 (2.7)

IFT172 (3.8)	UBXN4 (3.3)	CYP26A1 (2.8)	RP1 (2.7)
IFT172 (3.8)	UBXN4 (3.3)	CYP26A1 (2.8)	RP1 (2.7)
LIPG (1.9)	TRAM2 (1.8)	FER1L4 (1.8)	CEP250 (1.8)
HP (2.2)	ABCA6 (2.0)	GSTM4 (1.8)	C19orf80 (1.8)
PVRL2 (2.4)	NFE2L3 (2.3)	NYNRIN (2.1)	TRAM2 (2.0)
PVRL2 (2.4)	NFE2L3 (2.3)	NYNRIN (2.1)	TRAM2 (2.0)
TRIB1 (3.8)	OASL (3.8)	IST1 (3.6)	AMPD2 (3.6)
TRIB1 (3.5)	OASL (3.4)	AMPD2 (3.3)	IST1 (3.2)
GDF5 (2.3)	OBP2B (2.3)	PARP10 (2.1)	SLC22A3 (2.1)
GOT2P1 (2.4)	CARM1 (2.3)	PLEC (2.2)	ENSG00000256731 (1.9)
ENSG00000228044 (1.7)	MAFB (1.7)	OASL (1.6)	LPL (1.5)
IFT172 (2.4)	UBXN4 (2.0)	NYNRIN (1.8)	RP1 (1.6)
ENSG00000256731 (1.0)	TOMM40 (0.9)	PLEC (0.9)	ERGIC3 (0.9)
GOT2P1 (3.1)	CARM1 (3.0)	USP24 (2.8)	ENSG00000256731 (2.8)
GOT2P1 (3.1)	CARM1 (3.0)	USP24 (2.8)	ENSG00000256731 (2.8)
GDF5 (2.4)	SLC22A3 (2.4)	OBP2B (2.2)	ENSG00000256731 (2.0)
CARM1 (3.2)	GOT2P1 (3.0)	USP24 (2.8)	ENSG00000256731 (2.8)
IFT172 (1.5)	SMARCA4 (1.5)	SLC44A2 (1.3)	CELSR2 (1.3)
ATXN1L (1.8)	SLC44A2 (1.7)	CELSR2 (1.7)	HMGCR (1.6)
HMGCR (1.2)	OASL (1.1)	RASIP1 (1.1)	PMFBP1 (1.0)
HNF1A (1.1)	C11orf9 (1.1)	PARP10 (1.1)	TOMM40 (0.9)
ENSG00000228044 (1.5)	SLC22A3 (1.5)	ZRANB3 (1.4)	RELB (1.4)
RELB (1.2)	IZUMO1 (1.1)	LPAR2 (1.1)	ENSG00000228044 (1.1)
OBP2B (1.5)	MAU2 (1.4)	PGS1 (1.4)	OASL (1.4)
PARP10 (1.2)	ATP13A1 (1.1)	ENSG00000235545 (1.1)	FER1L4 (1.1)
NFE2L3 (1.3)	SNX17 (1.2)	PGS1 (1.1)	MAFB (1.0)
FEN1 (1.9)	SUMO1 (1.8)	PSRC1 (1.8)	HMGCR (1.7)
CARM1 (2.4)	NFE2L3 (2.3)	SMARCA4 (2.2)	SUMO1 (2.2)
CARM1 (2.4)	NFE2L3 (2.3)	SMARCA4 (2.2)	SUMO1 (2.2)
ZNF821 (3.2)	ZRANB3 (2.8)	ATXN1L (2.6)	RAB3GAP1 (2.5)
ZNF821 (3.2)	ZRANB3 (2.8)	ATXN1L (2.6)	RAB3GAP1 (2.5)
SMARCA4 (1.1)	IFT172 (1.1)	CELSR2 (1.0)	DOCK7 (0.9)
SMARCA4 (1.1)	IFT172 (1.1)	CELSR2 (1.0)	DOCK7 (0.9)
MCM6 (2.1)	CARM1 (1.9)	PVRL2 (1.8)	C12orf43 (1.7)
USP1 (0.9)	KANK2 (0.9)	MYLIP (0.8)	ERGIC3 (0.8)
SUGP1 (1.9)	TOP1 (1.9)	TOMM40 (1.8)	MAFB (1.8)
FER1L4 (1.5)	ENSG00000244861 (1.4)	ENSG00000235545 (1.3)	ATP13A1 (1.3)
HNF4A (1.9)	HNF1A (1.4)	ENSG00000226648 (1.3)	TIMD4 (1.2)
APOC1 (1.2)	USP24 (1.2)	ZRANB3 (1.2)	PARP10 (1.1)
APOC1 (1.2)	USP24 (1.2)	ZRANB3 (1.2)	PARP10 (1.1)
PVRL2 (2.0)	GATAD2A (2.0)	ENSG00000236267 (1.9)	LIPG (1.9)
PARP10 (1.2)	ATP13A1 (1.2)	FER1L4 (1.2)	ENSG00000235545 (1.2)
ATP13A1 (1.2)	PARP10 (1.2)	FER1L4 (1.2)	ENSG00000235545 (1.1)
RASIP1 (1.0)	APOC1 (0.9)	PCSK9 (0.9)	ENSG00000256731 (0.9)
KRTCAP3 (1.1)	PLCG1 (1.0)	IFT172 (0.9)	YSK4 (0.9)
ZHX3 (2.0)	MCM6 (1.9)	LIPG (1.8)	ATXN1L (1.8)
PARP10 (1.4)	IZUMO1 (1.4)	CYB561D1 (1.3)	RELB (1.2)
APOC1 (0.8)	SMARCA4 (0.8)	CELSR2 (0.8)	PVRL2 (0.8)
HNF4A (2.1)	HNF1A (1.5)	ENSG00000226648 (1.4)	TIMD4 (1.3)
DOCK7 (2.6)	PSRC1 (2.3)	ZNF821 (2.3)	CLPTM1 (2.2)

CBLC (1.2)	LDLR (1.0)	NPEPPS (1.0)	MAFB (1.0)
IFT172 (1.0)	SMARCA4 (1.0)	CELSR2 (1.0)	DOCK7 (0.9)
IST1 (1.5)	DOCK7 (1.5)	ENSG00000235545 (1.4)	SUGP1 (1.2)
IFT172 (0.8)	KRTCAP3 (0.7)	NYNRIN (0.7)	MAP3K4 (0.6)
NRBP1 (2.2)	CLPTM1 (1.9)	TM6SF2 (1.8)	KPNB1 (1.8)
NRBP1 (2.2)	CLPTM1 (1.9)	TM6SF2 (1.8)	KPNB1 (1.8)
MCM6 (2.2)	LPIN3 (2.2)	ENSG00000244861 (2.0)	PBX4 (2.0)
MCM6 (2.2)	LPIN3 (2.2)	ENSG00000244861 (2.0)	PBX4 (2.0)
PBX4 (3.7)	GATAD2A (3.7)	ENSG00000226622 (3.6)	APOA4 (3.6)
FNDC4 (2.8)	TOP1 (2.4)	NPEPPS (2.3)	DHODH (2.0)
FNDC4 (2.8)	TOP1 (2.4)	NPEPPS (2.3)	DHODH (2.0)
FNDC4 (2.8)	TOP1 (2.4)	NPEPPS (2.3)	DHODH (2.0)
USP1 (0.7)	PVRL2 (0.7)	POLK (0.7)	DOCK7 (0.7)
PARP10 (1.4)	ATP13A1 (1.3)	FER1L4 (1.2)	MAU2 (1.2)
IZUMO1 (1.3)	RELB (1.3)	OASL (1.3)	SPATC1 (1.1)
YIPF2 (1.6)	LIPG (1.5)	ZHX3 (1.3)	CLPTM1 (1.2)
ENSG00000256731 (1.1)	HMGCR (1.1)	ABCA5 (1.0)	GNAI3 (1.0)
OBP2B (1.2)	PPM1G (1.2)	SNX17 (1.1)	NRBP1 (1.1)
ABCA1 (0.8)	POLK (0.8)	PMFBP1 (0.8)	SORT1 (0.8)
ENSG00000244861 (2.7)	MCM6 (2.5)	SARS (2.5)	POC5 (2.5)
ENSG00000244861 (2.7)	MCM6 (2.5)	SARS (2.5)	POC5 (2.5)
HMGCR (1.6)	NYNRIN (1.6)	GNAI3 (1.5)	ABCA5 (1.5)
TIMD4 (2.8)	TSSK6 (2.7)	ABO (2.6)	OBP2B (2.5)
TIMD4 (2.8)	TSSK6 (2.7)	ABO (2.6)	OBP2B (2.5)
SUGP1 (1.7)	FEN1 (1.7)	USP1 (1.6)	ENSG00000226806 (1.6)
SNX17 (2.2)	IST1 (2.2)	SLC44A2 (2.1)	ST3GAL4 (2.0)
ZRANB3 (1.6)	DARS (1.6)	TOP1 (1.6)	GCKR (1.5)
ABO (2.0)	TIMD4 (1.9)	POC5 (1.9)	OBP2B (1.8)
ABO (2.0)	TIMD4 (1.9)	POC5 (1.9)	OBP2B (1.8)
IST1 (2.2)	SNX17 (2.2)	SLC44A2 (2.1)	ST3GAL4 (2.0)
IST1 (2.2)	SNX17 (2.2)	SLC44A2 (2.1)	ST3GAL4 (2.0)
IST1 (2.0)	SNX17 (1.9)	SLC44A2 (1.9)	ST3GAL4 (1.8)
GNAI3 (1.0)	ABCA5 (1.0)	KRTCAP3 (1.0)	HMGCR (1.0)
LPL (2.5)	ENSG00000226806 (2.4)	IGF2R (2.1)	ENSG00000236436 (2.0)
RELB (1.4)	ATXN7L2 (1.3)	ZNF513 (1.3)	DOCK7 (1.2)
RELB (1.4)	ATXN7L2 (1.3)	ZNF513 (1.3)	DOCK7 (1.2)
RELB (1.4)	ATXN7L2 (1.3)	ZNF513 (1.3)	DOCK7 (1.2)
NUP93 (1.8)	C19orf52 (1.8)	DHODH (1.7)	USP1 (1.6)
PBX4 (1.3)	CELSR2 (1.1)	MYLIP (1.1)	APOC1 (1.0)
C19orf52 (2.1)	SNX17 (2.0)	SLC44A2 (2.0)	ST3GAL4 (1.8)
C19orf52 (2.1)	SNX17 (2.0)	SLC44A2 (2.0)	ST3GAL4 (1.8)
USP1 (1.6)	NUP93 (1.6)	DARS (1.6)	DHODH (1.5)
YIPF2 (2.2)	ZHX3 (2.1)	PLEC (1.8)	RAB3GAP1 (1.7)
HP (2.8)	ENSG00000182329 (2.4)	ABCA6 (2.3)	SORT1 (2.2)
RELB (2.6)	CYB561D1 (2.1)	LPAR2 (2.0)	ATXN7L2 (1.9)
UBXN4 (2.6)	NYNRIN (2.1)	FEN1 (1.9)	ATXN7L2 (1.8)
BCAM (2.6)	ABCA6 (2.3)	ENSG00000182329 (2.1)	KANK2 (2.0)
LIPG (2.0)	UBXN4 (2.0)	DARS (1.9)	HMGCR (1.8)
LIPG (2.0)	UBXN4 (2.0)	DARS (1.9)	HMGCR (1.8)
DHODH (1.2)	CYP26A1 (1.2)	MCM6 (1.2)	NUP93 (1.1)

DHODH (1.2)	CYP26A1 (1.2)	MCM6 (1.2)	NUP93 (1.1)
ABCA5 (0.7)	PVRL2 (0.6)	TRIB1 (0.6)	MAFB (0.6)
FER1L4 (1.5)	PBX4 (1.4)	PARP10 (1.4)	SUGP1 (1.4)
ATXN1L (1.9)	UBXN4 (1.8)	HMGCR (1.6)	YSK4 (1.4)
NYNRIN (2.5)	DARS (2.2)	MAFB (2.0)	GATAD2A (1.9)
MAP3K4 (1.8)	ENSG00000226622 (1.8)	DHODH (1.7)	ENSG00000236267 (1.7)
ENSG00000244861 (1.3)	KPNB1 (1.3)	C19orf52 (1.2)	DHODH (1.2)
ENSG00000226648 (0.8)	SLC22A3 (0.7)	PVRL2 (0.6)	DOCK7 (0.6)
KANK2 (1.9)	SLC22A3 (1.7)	ZHX3 (1.7)	MAFB (1.7)
KANK2 (1.9)	SLC22A3 (1.7)	ZHX3 (1.7)	MAFB (1.7)
KPNB1 (1.9)	GDF5 (1.8)	PLEC (1.6)	DOCK7 (1.5)
SLC22A3 (1.9)	KPNB1 (1.8)	EHBP1 (1.8)	IGF2R (1.7)
SUMO1 (1.4)	LDLR (1.4)	RAB3GAP1 (1.3)	USP1 (1.3)
SUMO1 (1.4)	LDLR (1.4)	RAB3GAP1 (1.3)	USP1 (1.3)
ENSG00000254235 (1.7)	SLC44A2 (1.6)	PPM1G (1.4)	ZRANB3 (1.3)
ENSG00000254235 (1.7)	SLC44A2 (1.6)	PPM1G (1.4)	ZRANB3 (1.3)
ZNF821 (2.3)	ENSG00000231204 (2.2)	TBKBP1 (2.1)	FADS2 (2.1)
ZNF821 (2.3)	ENSG00000231204 (2.2)	TBKBP1 (2.1)	FADS2 (2.1)
ZNF821 (2.3)	ENSG00000231204 (2.2)	TBKBP1 (2.1)	FADS2 (2.1)
CEP250 (1.9)	LPAL2 (1.8)	USP1 (1.8)	USP24 (1.8)
KPNB1 (1.5)	TRAM2 (1.5)	SUMO1 (1.4)	DOCK7 (1.4)
LDLR (1.2)	PVRL2 (1.2)	SLC22A3 (1.1)	DOCK7 (1.1)
DHODH (2.4)	SYPL2 (2.3)	ENSG00000236436 (2.0)	ENSG00000182329 (1.7)
FADS2 (2.2)	CYB561D1 (2.2)	ENSG00000231204 (2.0)	ZNF821 (2.0)
USP24 (2.6)	SUGP1 (2.3)	NOP58 (2.1)	PLCG1 (2.1)
PLCG1 (1.8)	USP24 (1.8)	NOP58 (1.7)	CEP250 (1.7)
USP1 (2.4)	ENSG00000226806 (2.3)	OASL (2.3)	BUD13 (2.2)
LPL (2.6)	ENSG00000236436 (2.4)	SYPL2 (2.3)	ENSG00000182329 (1.7)
POLK (1.4)	MYLIP (1.2)	RASIP1 (1.2)	ATXN1L (1.1)
LCT (2.6)	ZRANB3 (2.5)	GPR61 (2.5)	NFE2L3 (2.4)
USP24 (2.7)	NOP58 (2.2)	PLCG1 (2.0)	LPAR2 (2.0)
BMPR2 (1.4)	SUMO1 (1.3)	KANK2 (1.2)	EHBP1 (1.2)
FADS2 (2.0)	ENSG00000231204 (2.0)	CLPTM1 (2.0)	AMPD2 (2.0)
ENSG00000236267 (1.9)	LCT (1.7)	POC5 (1.5)	MAP3K4 (1.3)
BUD13 (2.1)	FEN1 (2.0)	DHODH (2.0)	CEP250 (1.8)
SORT1 (2.3)	TOMM40 (2.3)	APOC1 (2.2)	NCAN (2.2)
SYPL2 (1.1)	CBLC (1.1)	NFE2L3 (1.0)	CYB561D1 (1.0)
NFE2L3 (1.1)	SYPL2 (1.1)	CBLC (1.1)	CYB561D1 (1.1)
KPNB1 (2.0)	ENSG00000236267 (1.8)	SLC22A2 (1.7)	ZHX3 (1.7)
KPNB1 (2.0)	ENSG00000236267 (1.8)	SLC22A2 (1.7)	ZHX3 (1.7)
APOC1 (2.1)	AMIGO1 (2.0)	APOE (2.0)	ENSG00000254235 (2.0)
GDF5 (2.4)	KPNB1 (2.3)	DOCK7 (1.8)	SLC22A2 (1.7)
FNDC4 (2.2)	C11orf9 (2.2)	APOE (2.0)	MAMSTR (2.0)
MCM6 (1.7)	NYNRIN (1.7)	LIPG (1.6)	GATAD2A (1.6)
APOC4 (2.5)	PSRC1 (2.4)	GSTM5 (2.3)	FNDC4 (2.1)
AMIGO1 (2.4)	FNDC4 (2.4)	ENSG00000226648 (2.3)	CELSR2 (2.2)
KRTCAP3 (2.2)	ENSG00000226645 (2.0)	ENSG00000244861 (1.3)	AMIGO1 (1.2)
KRTCAP3 (2.2)	ENSG00000226645 (2.1)	ENSG00000244861 (1.5)	AMIGO1 (1.2)
BCAM (1.7)	KRTCAP3 (1.6)	ABCA5 (1.1)	ENSG00000244861 (1.1)
EHBP1 (1.8)	FUT1 (1.8)	PCSK9 (1.7)	LPL (1.7)

EHBP1 (1.7)	PCSK9 (1.5)	COL4A3BP (1.5)	FUT1 (1.5)
EHBP1 (1.7)	PCSK9 (1.5)	COL4A3BP (1.5)	FUT1 (1.5)
AMIGO1 (2.2)	PSRC1 (2.2)	EHBP1 (2.0)	MAP3K4 (2.0)
R3HDM1 (1.7)	AMIGO1 (1.6)	APOE (1.5)	PLCG1 (1.5)
R3HDM1 (1.8)	AMIGO1 (1.6)	APOE (1.5)	PLCG1 (1.5)
AMIGO1 (2.2)	PSRC1 (2.2)	EHBP1 (1.9)	AMPD2 (1.9)
PLCG1 (1.6)	MAMSTR (1.6)	APOE (1.5)	ZHX3 (1.4)
ENSG00000226645 (2.3)	C11orf9 (2.1)	HAPLN4 (2.1)	PSRC1 (2.0)
ENSG00000226645 (2.3)	C11orf9 (2.1)	HAPLN4 (2.1)	PSRC1 (2.0)
ENSG00000226645 (2.4)	C11orf9 (2.1)	HAPLN4 (2.1)	PSRC1 (2.1)
PSRC1 (2.6)	HAPLN4 (2.5)	AMIGO1 (2.4)	R3HDM1 (1.9)
C11orf9 (2.3)	ENSG00000226645 (2.2)	PSRC1 (2.1)	GSTM5 (2.0)
ENSG00000226645 (2.4)	HAPLN4 (2.4)	GSTM5 (2.3)	PSRC1 (2.3)
AMIGO1 (2.4)	PSRC1 (2.2)	ENSG00000226645 (2.2)	GSTM5 (2.2)
C11orf9 (2.4)	ENSG00000226645 (2.2)	PSRC1 (2.2)	GSTM5 (2.2)
GSTM5 (2.3)	PSRC1 (2.3)	C11orf9 (2.3)	ENSG00000226645 (2.1)

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Tissue-specific expression Z score gene 10
HP (9.1)
HNF1A (4.6)
ENSG00000236436 (1.1)
LDLR (0.9)
TRIB1 (1.0)
HNF1A (2.5)
IFT172 (1.1)
IFT172 (1.1)
ENSG00000256731 (1.0)
IFT172 (1.1)
DOCK7 (1.7)
DOCK7 (1.7)
TOMM40 (0.8)
GSTM4 (1.3)
SLC44A2 (1.7)
SLC22A3 (2.6)
FADS1 (2.1)
KRTCAP3 (0.9)
IGF2R (1.5)
FNDC4 (1.3)
EHBP1 (1.9)
EHBP1 (1.9)
PLEC (1.1)
EHBP1 (1.8)
GNAT2 (1.9)
GNAT2 (1.9)
PLCG1 (1.5)
EHBP1 (1.9)
EHBP1 (1.9)
ABO (1.0)
ENSG00000236436 (1.5)
LPAR2 (1.9)
ABO (1.2)
ENSG00000228044 (1.7)
PLCG1 (1.8)
ENSG00000228044 (1.3)
USP24 (1.4)
CETP (1.5)
HAVCR1 (1.4)
ABCA5 (1.8)
ABCA6 (1.3)
ABCA6 (1.3)
FER1L4 (2.5)

FER1L4 (2.5)
FER1L4 (2.5)
GOT2P1 (1.7)
EHBP1 (1.7)
PPM1G (1.7)
PPM1G (1.7)
ABCA1 (3.2)
MAU2 (3.0)
APOA4 (2.0)
DHX38 (1.8)
ABCA1 (1.5)
FER1L4 (1.6)
PARP10 (0.9)
PLEC (2.7)
PLEC (2.7)
PARP10 (2.0)
PLEC (2.6)
DOCK7 (1.2)
MAP3K4 (1.6)
USP1 (0.9)
ENSG00000256731 (0.9)
USP1 (1.3)
PMFBP1 (1.1)
SPATC1 (1.4)
LPAL2 (1.0)
POLK (1.0)
KPNB1 (1.7)
PVRL2 (2.1)
PVRL2 (2.1)
NOP58 (2.3)
NOP58 (2.3)
PVRL2 (0.9)
PVRL2 (0.9)
PPM1G (1.7)
CELSR2 (0.8)
MCM6 (1.6)
LPAL2 (1.3)
APOE (1.2)
ENSG00000228044 (1.1)
ENSG00000228044 (1.1)
LDLR (1.8)
LPAL2 (1.1)
LPAL2 (1.0)
PLEC (0.8)
DNAH11 (0.9)
ENSG00000231204 (1.6)
OASL (1.2)
USP1 (0.7)
APOE (1.3)
PPM1G (2.1)

ERGIC3 (1.0)
PVRL2 (0.8)
C12orf43 (1.2)
DNAH11 (0.6)
DNAH11 (1.7)
DNAH11 (1.7)
TSSK6 (1.8)
TSSK6 (1.9)
FGF21 (3.5)
APOC1 (2.0)
APOC1 (2.0)
APOC1 (2.0)
NFE2L3 (0.6)
SUGP1 (1.2)
PBX4 (1.0)
KPNB1 (1.2)
ATXN1L (0.9)
GOT2P1 (1.0)
TRAM2 (0.8)
DHODH (2.4)
DHODH (2.4)
MAP3K4 (1.5)
TRIB1 (2.3)
TRIB1 (2.3)
TOMM40 (1.5)
NYNRIN (1.8)
LDLR (1.5)
YIPF2 (1.7)
YIPF2 (1.7)
NYNRIN (1.8)
NYNRIN (1.8)
MYLIP (1.7)
FGF21 (1.0)
ABCA1 (2.0)
LIPC (1.2)
LIPC (1.2)
LIPC (1.2)
ZRANB3 (1.6)
MAFB (1.0)
MYLIP (1.7)
MYLIP (1.7)
C19orf52 (1.5)
SARS (1.5)
ENSG00000226622 (2.1)
GPR61 (1.7)
NCAN (1.7)
SORT1 (1.9)
C12orf43 (1.5)
C12orf43 (1.5)
ENSG00000244861 (1.1)

ENSG00000244861 (1.1)
LDLR (0.5)
MAU2 (1.4)
DARS (1.3)
GNAI3 (1.6)
PCSK9 (1.5)
C12orf43 (1.1)
CBLC (0.6)
SNX17 (1.7)
SNX17 (1.7)
C12orf43 (1.4)
KANK2 (1.7)
NOP58 (1.3)
NOP58 (1.3)
ENSG00000226806 (1.3)
ENSG00000226806 (1.3)
FUT1 (2.0)
FUT1 (2.0)
FUT1 (2.0)
POLK (1.8)
ENSG00000244861 (1.4)
PVR (1.1)
GPAM (1.6)
TBKBP1 (2.0)
LPAR2 (2.1)
MCM6 (1.7)
DHX38 (2.2)
RAB3GAP1 (1.7)
ABCA6 (1.0)
YSK4 (2.4)
ENSG00000244861 (1.9)
PLEC (1.0)
YIPF2 (1.9)
APOA5 (1.3)
POC5 (1.7)
ABO (1.9)
GNAI3 (0.8)
GNAI3 (0.9)
ENSG00000226622 (1.6)
ENSG00000226622 (1.6)
CELSR2 (1.8)
ZHX3 (1.7)
FADS2 (2.0)
FUT1 (1.6)
CELSR2 (2.1)
GRINA (2.0)
ABCA5 (1.1)
ABCA5 (1.2)
AMIGO1 (0.9)
USP24 (1.7)

LPL (1.5)
LPL (1.5)
AMPD2 (1.9)
FNDC4 (1.3)
FNDC4 (1.3)
GSTM5 (1.8)
CELSR2 (1.4)
FNDC4 (1.9)
FNDC4 (1.9)
FNDC4 (2.0)
GSTM5 (1.9)
FNDC4 (1.7)
SORT1 (2.0)
FNDC4 (1.7)
FNDC4 (1.7)
FNDC4 (1.8)

Supplementary Table 36: DEPICT Tissue and Cell Type Enrichment Analysis Results for the genome

DEPICT uses 37,427 human Affymetrix HGUI133a2.2 platform microarrays to infer whether genes ha
expression levels derived from repeating the averaging process 1000 times based on random loci ma

MeSH term	Name	MeSH first level term
A03.620	Liver	Digestive System
A10.165.114.830.500.750	Subcutaneous Fat Abdominal	Tissues
A10.165.114.830.500	Abdominal Fat	Tissues
A10.165.114	Adipose Tissue	Tissues
A10.165.114.830.750	Subcutaneous Fat	Tissues
A10.165.114.830	Adipose Tissue White	Tissues
A03.556.124.684	Intestine Small	Digestive System
A11.436.348	Hepatocytes	Cells
A03.556.249.124	Ileum	Digestive System
A06.407.071.140	Adrenal Cortex	Endocrine System
A11.329.114	Adipocytes	Cells
A03.734	Pancreas	Digestive System
A03.556.124.526.767	Rectum	Digestive System
A06.407.071	Adrenal Glands	Endocrine System
A10.615.284	Extraembryonic Membranes	Tissues
A10.615.284.473	Chorion	Tissues
A05.810.890	Urinary Bladder	Urogenital System
A15.378.316.580	Monocytes	Hemic and Immune Systems
A11.436	Epithelial Cells	Cells
A11.066	Antigen Presenting Cells	Cells
A15.382.812.260	Dendritic Cells	Hemic and Immune Systems
A03.556.249	Lower Gastrointestinal Tract	Digestive System
A05.810.453.324	Kidney Cortex	Urogenital System
A15.382.812	Mononuclear Phagocyte System	Hemic and Immune Systems
A10.615.789	Serous Membrane	Tissues
A03.556.249.249.209	Cecum	Digestive System
A03.556.249.249	Intestine Large	Digestive System
A03.556.124	Intestines	Digestive System
A03.556.249.249.356.668	Colon Sigmoid	Digestive System
A03.556.249.249.356	Colon	Digestive System
A02.165	Cartilage	Musculoskeletal System
A03.556	Gastrointestinal Tract	Digestive System
A15.382.680	Phagocytes	Hemic and Immune Systems
A04.411	Lung	Respiratory System
A05.810	Urinary Tract	Urogenital System
A11.627	Myeloid Cells	Cells
A05.810.453	Kidney	Urogenital System
A15.378.316	Bone Marrow Cells	Hemic and Immune Systems
A15.378	Hematopoietic System	Hemic and Immune Systems
A11.872.190.260	Embryoid Bodies	Cells
A03.556.875	Upper Gastrointestinal Tract	Digestive System
A05.360.319.679.256	Cervix Uteri	Urogenital System
A03.556.875.875	Stomach	Digestive System

A10.549.400	Lymph Nodes	Tissues
A15.382.520.604.700	Spleen	Hemic and Immune Systems
A11.118.637.555.567.562.440	Precursor Cells B Lymphoid	Cells
A11.872.378.294	Lymphoid Progenitor Cells	Cells
A15.382.812.522	Macrophages	Hemic and Immune Systems
A11.872.700.500	Induced Pluripotent Stem Cells	Cells
A11.872.700	Pluripotent Stem Cells	Cells
A02.835.583	Joints	Musculoskeletal System
A02.835.583.443.800	Synovial Membrane	Musculoskeletal System
A02.835.583.443	Joint Capsule	Musculoskeletal System
A10.615	Membranes	Tissues
A11.329.171	Chondrocytes	Cells
A07.231.114	Arteries	Cardiovascular System
A03.556.875.500	Esophagus	Digestive System
A15.382.490.315.583	Neutrophils	Hemic and Immune Systems
A07.231	Blood Vessels	Cardiovascular System
A02.835.583.443.800.800	Synovial Fluid	Musculoskeletal System
A15.382.520	Lymphatic System	Hemic and Immune Systems
A10.549	Lymphoid Tissue	Tissues
A05.360.319.887	Vulva	Urogenital System
A07.231.908	Veins	Cardiovascular System
A11.118.637.415	Granulocytes	Cells
A07.541.510.110	Aortic Valve	Cardiovascular System
A07.541.510	Heart Valves	Cardiovascular System
A07.231.908.670	Portal System	Cardiovascular System
A07.231.908.670.874	Umbilical Veins	Cardiovascular System
A10.615.550	Mucous Membrane	Tissues
A11.872.190	Embryonic Stem Cells	Cells
A05.360.319.679.690	Myometrium	Urogenital System
A15.145.229.637.555.567.562	Plasma Cells	Hemic and Immune Systems
A15.145.693	Plasma	Hemic and Immune Systems
A15.382	Immune System	Hemic and Immune Systems
A11.118.637	Leukocytes	Cells
A10.615.550.599	Mouth Mucosa	Tissues
A15.145.300	Fetal Blood	Hemic and Immune Systems
A10.165	Connective Tissue	Tissues
A11.329	Connective Tissue Cells	Cells
A03.556.500.760.464	Parotid Gland	Digestive System
A03.556.124.369	Intestinal Mucosa	Digestive System
A11.872.040	Adult Stem Cells	Cells
A11.436.275	Endothelial Cells	Cells
A15.145.229.637.555	Leukocytes Mononuclear	Hemic and Immune Systems
A11.118.637.555.567.562	B Lymphocytes	Cells
A11.063	Antibody Producing Cells	Cells
A15.145.846	Serum	Hemic and Immune Systems
A03.556.500.760	Salivary Glands	Digestive System
A05.360.319.114.373	Fallopian Tubes	Urogenital System
A11.436.329	Granulosa Cells	Cells
A05.360.319.114.630.535	Ovarian Follicle	Urogenital System
A06.407.312.497.535.300.500	Cumulus Cells	Endocrine System

A15.382.216	Bone Marrow	Hemic and Immune Systems
A15.145.229	Blood Cells	Hemic and Immune Systems
A09.371.337.168	Conjunctiva	Sense Organs
A09.371.337	Eyelids	Sense Organs
A09.371.060	Anterior Eye Segment	Sense Organs
A11.329.372.600	Macrophages Alveolar	Cells
A11.329.629	Osteoblasts	Cells
A06.407.900	Thyroid Gland	Endocrine System
A02.835	Skeleton	Musculoskeletal System
A17.815	Skin	Integumentary System
A02.835.232.043	Bones of Lower Extremity	Musculoskeletal System
A02.835.232	Bone and Bones	Musculoskeletal System
A02.835.232.043.300.710	Tarsal Bones	Musculoskeletal System
A02.835.232.043.300	Foot Bones	Musculoskeletal System
A15.145	Blood	Hemic and Immune Systems
A11.436.397	Keratinocytes	Cells
A04.531.520	Nasal Mucosa	Respiratory System
A09.531	Nose	Sense Organs
A10.615.550.760	Respiratory Mucosa	Tissues
A09.371	Eye	Sense Organs
A05.360.319.114	Adnexa Uteri	Urogenital System
A05.360.319.114.630	Ovary	Urogenital System
A14.549	Mouth	Stomatognathic System
A15.145.229.188	Blood Platelets	Hemic and Immune Systems
A11.872.653	Neural Stem Cells	Cells
A05.360.319	Genitalia Female	Urogenital System
A02.835.232.834.151	Cervical Vertebrae	Musculoskeletal System
A02.835.232.834	Spine	Musculoskeletal System
A06.407	Endocrine Glands	Endocrine System
A14.549.167.646	Periodontium	Stomatognathic System
A10.272	Epithelium	Tissues
A10.690.552	Muscle Striated	Tissues
A10.690.552.500	Muscle Skeletal	Tissues
A11.382	Endocrine Cells	Cells
A05.360.319.679	Uterus	Urogenital System
A11.872.580	Mesenchymal Stem Cells	Cells
A06.407.312	Gonads	Endocrine System
A10.336	Exocrine Glands	Tissues
A15.145.229.334	Erythrocytes	Hemic and Immune Systems
A11.443	Erythroid Cells	Cells
A10.690.467	Muscle Smooth	Tissues
A15.382.490.555.567	Lymphocytes	Hemic and Immune Systems
A02.633.567.850	Quadriceps Muscle	Musculoskeletal System
A10.336.707	Prostate	Tissues
A10.690	Muscles	Tissues
A11.620.520	Myocytes Smooth Muscle	Cells
A11.620	Muscle Cells	Cells
A08.186.211.730.885.287.249	Corpus Striatum	Nervous System
A05.360	Genitalia	Urogenital System
A11.627.624.249	Monocyte Macrophage Precursor Cells	Cells

A07.541.560	Heart Ventricles	Cardiovascular System
A10.272.497	Epidermis	Tissues
A15.378.316.378.590.837.250	Erythroid Precursor Cells	Hemic and Immune Systems
A11.872.378.590.817	Megakaryocyte Erythroid Progenitor Cells	Cells
A07.541	Heart	Cardiovascular System
A08.186.211.730.885.287.500	Parietal Lobe	Nervous System
A11.627.340.360	Granulocyte Precursor Cells	Cells
A03.734.414	Islets of Langerhans	Digestive System
A11.382.625	Enteroendocrine Cells	Cells
A11.436.294.064	Glucagon Secreting Cells	Cells
A11.329.830	Stromal Cells	Cells
A05.360.444	Genitalia Male	Urogenital System
A08.186.211.730.885.287.249	Basal Ganglia	Nervous System
A11.872.378.590.635	Granulocyte Macrophage Progenitor Cells	Cells
A08.186.211.730.317.357.352	Hypothalamo Hypophyseal System	Nervous System
A08.186.211.730.317.357.352	Hypothalamus Middle	Nervous System
A08.713	Neurosecretory Systems	Nervous System
A15.145.229.637.555.567.569	CD4 Positive T Lymphocytes	Hemic and Immune Systems
A11.872	Stem Cells	Cells
A08.186.211.730.317	Diencephalon	Nervous System
A11.872.378	Hematopoietic Stem Cells	Cells
A08.186.211.730.317.357	Hypothalamus	Nervous System
A08.186.211.132.810.428.200	Cerebellum	Nervous System
A11.118.637.555.567.569.200	T Lymphocytes Regulatory	Cells
A11.627.635	Myeloid Progenitor Cells	Cells
A14.549.167	Dentition	Stomatognathic System
A08.186.211.653	Mesencephalon	Nervous System
A15.382.490.555.567.537	Killer Cells Natural	Hemic and Immune Systems
A11.329.228	Fibroblasts	Cells
A08.186.211.865	Rhombencephalon	Nervous System
A08.186.211.865.428	Metencephalon	Nervous System
A14.549.885	Tongue	Stomatognathic System
A05.360.319.679.490	Endometrium	Urogenital System
A08.186.211.464.405	Hippocampus	Nervous System
A08.186	Central Nervous System	Nervous System
A08.186.211	Brain	Nervous System
A08.186.211.464.710	Parahippocampal Gyrus	Nervous System
A08.186.211.464.710.225	Entorhinal Cortex	Nervous System
A08.186.211.132	Brain Stem	Nervous System
A08.186.211.730.885.287.500	Temporal Lobe	Nervous System
A05.360.444.492	Penis	Urogenital System
A08.186.211.464	Limbic System	Nervous System
A05.360.444.492.362	Foreskin	Urogenital System
A15.382.520.604.800	Palatine Tonsil	Hemic and Immune Systems
A04.623.603	Oropharynx	Respiratory System
A11.118.637.555.567.569	T Lymphocytes	Cells
A08.186.211.730.885.287.500	Frontal Lobe	Nervous System
A08.186.211.730	Prosencephalon	Nervous System
A08.186.211.730.885	Telencephalon	Nervous System
A08.186.211.730.885.287.500	Cerebral Cortex	Nervous System

A08.186.211.730.885.287	Cerebrum	Nervous System
A05.360.490.690	Ovum	Urogenital System
A11.497.497.600	Oocytes	Cells
A10.165.450.300	Cicatrix	Tissues
A10.165.450	Granulation Tissue	Tissues
A14.724.557	Nasopharynx	Stomatognathic System
A10.165.450.300.425	Keloid	Tissues
A07.541.358	Heart Atria	Cardiovascular System
A07.541.358.100	Atrial Appendage	Cardiovascular System
A05.360.490	Germ Cells	Urogenital System
A14.724	Pharynx	Stomatognathic System
A09.371.729	Retina	Sense Organs
A08.186.211.730.885.287.500	Visual Cortex	Nervous System
A08.186.211.730.885.287.500	Occipital Lobe	Nervous System
A15.382.490.555.567.622	Lymphocytes Null	Hemic and Immune Systems
A06.407.312.782	Testis	Endocrine System

-wide significant (P2df < 5×10-8) Triglycerides loci

arboring the identified loci are enriched for high expression in 209 MeSH (Medical Sub
atched by gene density. False-discovery rates (FDR) are obtained from repeating the p

MeSH second level term	Nominal P value	False discovery rate	Tissue-specific expression Z score gene 1
Liver	5.11E-05	**<0.01**	ANGPTL3 (12.1)
Connective Tissue	7.98E-05	**<0.01**	CD300LG (5.5)
Connective Tissue	7.98E-05	**<0.01**	CD300LG (5.5)
Connective Tissue	2.46E-04	**<0.01**	CD300LG (4.2)
Connective Tissue	3.35E-04	**<0.01**	CD300LG (4.7)
Connective Tissue	3.35E-04	**<0.01**	CD300LG (4.7)
Gastrointestinal Tract	4.22E-04	**<0.01**	APOA4 (4.8)
Epithelial Cells	4.50E-04	**<0.01**	APOB (9.0)
Gastrointestinal Tract	7.43E-04	**<0.05**	APOA4 (7.6)
Endocrine Glands	5.18E-03	**<0.05**	ENSG00000256731 (4.5)
Connective Tissue Cells	5.82E-03	<0.20	GPAM (4.4)
Pancreas	7.42E-03	<0.20	PPY (10.4)
Gastrointestinal Tract	7.97E-03	<0.20	NAT2 (2.4)
Endocrine Glands	8.97E-03	<0.20	BRE (3.5)
Membranes	0.01	<0.20	GATA4 (3.5)
Membranes	0.01	<0.20	GATA4 (3.5)
Urinary Tract	0.01	<0.20	HAVCR1 (2.1)
Hematopoietic System	0.02	<0.20	PTPRJ (2.8)
Epithelial Cells	0.03	<0.20	DNAH10 (1.6)
Antigen-Presenting Cells	0.03	>=0.20	PTPRJ (2.4)
Immune System	0.03	>=0.20	PTPRJ (2.4)
Gastrointestinal Tract	0.03	>=0.20	NAT2 (2.5)
Urinary Tract	0.03	>=0.20	HAVCR1 (8.6)
Immune System	0.03	>=0.20	PTPRJ (2.7)
Membranes	0.04	>=0.20	HP (1.9)
Gastrointestinal Tract	0.04	>=0.20	NAT2 (2.5)
Gastrointestinal Tract	0.04	>=0.20	NAT2 (2.5)
Gastrointestinal Tract	0.04	>=0.20	NAT2 (2.9)
Gastrointestinal Tract	0.05	>=0.20	NAT2 (3.2)
Gastrointestinal Tract	0.05	>=0.20	NAT2 (2.5)
Cartilage	0.06	>=0.20	CILP2 (10.8)
Gastrointestinal Tract	0.06	>=0.20	NAT2 (2.1)
Immune System	0.07	>=0.20	PTPRJ (3.2)
Lung	0.07	>=0.20	HAVCR1 (1.2)
Urinary Tract	0.08	>=0.20	HAVCR1 (5.1)
Myeloid Cells	0.09	>=0.20	PTPRJ (3.0)
Urinary Tract	0.09	>=0.20	HAVCR1 (5.5)
Hematopoietic System	0.1	>=0.20	PTPRJ (2.8)
Hematopoietic System	0.1	>=0.20	PTPRJ (2.8)
Stem Cells	0.1	>=0.20	ANGPTL4 (2.9)
Gastrointestinal Tract	0.1	>=0.20	NR0B2 (1.9)
Genitalia	0.11	>=0.20	SFN (1.7)
Gastrointestinal Tract	0.12	>=0.20	NR0B2 (2.4)

Lymphoid Tissue	0.12 >=0.20	TIMD4 (5.7)
Immune System	0.12 >=0.20	CETP (3.4)
Blood Cells	0.13 >=0.20	BLK (4.9)
Stem Cells	0.13 >=0.20	BLK (4.9)
Immune System	0.13 >=0.20	NR1H3 (3.0)
Stem Cells	0.14 >=0.20	CYP26A1 (3.8)
Stem Cells	0.14 >=0.20	CYP26A1 (3.8)
Skeleton	0.15 >=0.20	CYP7A1 (4.1)
Skeleton	0.15 >=0.20	CYP7A1 (4.1)
Skeleton	0.15 >=0.20	CYP7A1 (4.1)
Membranes	0.16 >=0.20	PYY (3.3)
Connective Tissue Cells	0.16 >=0.20	CILP2 (6.0)
Blood Vessels	0.19 >=0.20	SOST (2.3)
Gastrointestinal Tract	0.19 >=0.20	SFN (1.9)
Immune System	0.2 >=0.20	ZDHHC18 (7.3)
Blood Vessels	0.21 >=0.20	RASIP1 (3.3)
Skeleton	0.22 >=0.20	PBX4 (4.2)
Immune System	0.22 >=0.20	TIMD4 (4.5)
Lymphoid Tissue	0.22 >=0.20	TIMD4 (4.5)
Genitalia	0.22 >=0.20	ENSG00000256731 (3.0)
Blood Vessels	0.22 >=0.20	RASIP1 (4.6)
Blood Cells	0.22 >=0.20	ZDHHC18 (6.5)
Heart	0.23 >=0.20	SOST (6.1)
Heart	0.23 >=0.20	SOST (6.1)
Blood Vessels	0.24 >=0.20	RASIP1 (4.8)
Blood Vessels	0.24 >=0.20	RASIP1 (4.8)
Membranes	0.24 >=0.20	PYY (4.0)
Stem Cells	0.25 >=0.20	CYP26A1 (3.8)
Genitalia	0.25 >=0.20	RSPO3 (3.8)
Blood	0.26 >=0.20	PREB (3.6)
Blood	0.27 >=0.20	PREB (3.6)
Immune System	0.28 >=0.20	ZNF408 (1.4)
Blood Cells	0.28 >=0.20	GMIP (1.8)
Membranes	0.29 >=0.20	SFN (2.9)
Blood	0.3 >=0.20	PGS1 (2.7)
Connective Tissue	0.31 >=0.20	ZNF408 (1.7)
Connective Tissue Cells	0.32 >=0.20	MPV17 (1.5)
Gastrointestinal Tract	0.32 >=0.20	TSSK6 (3.7)
Gastrointestinal Tract	0.33 >=0.20	PYY (9.7)
Stem Cells	0.33 >=0.20	CYP26A1 (3.7)
Epithelial Cells	0.33 >=0.20	RASIP1 (4.1)
Blood	0.34 >=0.20	TSSK6 (1.4)
Blood Cells	0.36 >=0.20	TMEM175 (2.6)
Antibody-Producing Cells	0.36 >=0.20	TMEM175 (2.6)
Blood	0.37 >=0.20	BMPR2 (2.8)
Gastrointestinal Tract	0.37 >=0.20	FGF21 (3.5)
Genitalia	0.37 >=0.20	BCAM (3.2)
Epithelial Cells	0.4 >=0.20	C8orf49 (3.9)
Genitalia	0.4 >=0.20	C8orf49 (3.9)
Endocrine Glands	0.4 >=0.20	C8orf49 (3.9)

Immune System	0.4	>=0.20	ZNF408 (2.1)
Blood	0.41	>=0.20	GMIP (1.8)
Eye	0.41	>=0.20	FUT1 (2.9)
Eye	0.41	>=0.20	FUT1 (2.9)
Eye	0.41	>=0.20	FUT1 (2.9)
Connective Tissue Cells	0.41	>=0.20	PTPMT1 (4.3)
Connective Tissue Cells	0.41	>=0.20	ENSG00000253379 (9.1)
Endocrine Glands	0.42	>=0.20	AFF1 (2.5)
Skeleton	0.42	>=0.20	ZNF408 (1.8)
Skin	0.42	>=0.20	SFN (2.2)
Skeleton	0.42	>=0.20	FUT1 (2.6)
Skeleton	0.43	>=0.20	ZNF408 (1.9)
Skeleton	0.43	>=0.20	FUT1 (2.7)
Skeleton	0.43	>=0.20	FUT1 (2.7)
Blood	0.49	>=0.20	JMJD1C (1.9)
Epithelial Cells	0.49	>=0.20	SFN (2.8)
Nose	0.52	>=0.20	AGBL2 (6.4)
Nose	0.52	>=0.20	AGBL2 (6.4)
Membranes	0.52	>=0.20	AGBL2 (6.4)
Eye	0.54	>=0.20	ARFGAP2 (2.1)
Genitalia	0.55	>=0.20	BCAM (2.6)
Genitalia	0.56	>=0.20	BCAM (2.6)
Mouth	0.56	>=0.20	SFN (2.5)
Blood	0.58	>=0.20	LIPC (8.2)
Stem Cells	0.59	>=0.20	NCAN (3.9)
Genitalia	0.59	>=0.20	BCAM (1.7)
Skeleton	0.61	>=0.20	POLR1A (1.6)
Skeleton	0.61	>=0.20	ENSG00000253379 (1.6)
Endocrine Glands	0.62	>=0.20	BCAM (2.0)
Mouth	0.63	>=0.20	EIF2B4 (3.3)
Epithelium	0.64	>=0.20	AGBL2 (3.9)
Muscles	0.68	>=0.20	TRIM54 (6.1)
Muscles	0.68	>=0.20	TRIM54 (6.1)
Endocrine Cells	0.68	>=0.20	C8orf49 (2.2)
Genitalia	0.69	>=0.20	TMEM101 (1.4)
Stem Cells	0.7	>=0.20	ENSG00000253379 (3.9)
Endocrine Glands	0.71	>=0.20	BCAM (2.4)
Exocrine Glands	0.71	>=0.20	NEIL2 (3.5)
Blood	0.71	>=0.20	TXNL4B (4.1)
Erythroid Cells	0.72	>=0.20	TXNL4B (4.1)
Muscles	0.72	>=0.20	EMILIN1 (3.1)
Immune System	0.72	>=0.20	BLK (1.8)
Muscles	0.72	>=0.20	TRIM54 (6.2)
Exocrine Glands	0.72	>=0.20	NEIL2 (3.8)
Muscles	0.74	>=0.20	TRIM54 (4.2)
Muscle Cells	0.75	>=0.20	SOST (4.7)
Muscle Cells	0.75	>=0.20	SOST (4.7)
Central Nervous System	0.79	>=0.20	C11orf9 (5.2)
Genitalia	0.81	>=0.20	BCAM (1.7)
Myeloid Cells	0.82	>=0.20	NSMAF (4.5)

Heart	0.83 >=0.20	GATA4 (6.5)
Epithelium	0.84 >=0.20	CBLC (3.9)
Hematopoietic System	0.84 >=0.20	TDH (7.0)
Stem Cells	0.84 >=0.20	TDH (7.0)
Heart	0.85 >=0.20	MYBPC3 (5.9)
Central Nervous System	0.86 >=0.20	RFX4 (3.5)
Myeloid Cells	0.86 >=0.20	CCDC18 (4.0)
Pancreas	0.87 >=0.20	TUBGCP4 (2.3)
Endocrine Cells	0.88 >=0.20	TUBGCP4 (2.8)
Epithelial Cells	0.88 >=0.20	TUBGCP4 (2.8)
Connective Tissue Cells	0.88 >=0.20	TAGLN (2.1)
Genitalia	0.88 >=0.20	NEIL2 (3.3)
Central Nervous System	0.89 >=0.20	C11orf9 (4.0)
Stem Cells	0.9 >=0.20	NSMAF (3.3)
Central Nervous System	0.91 >=0.20	ATG13 (3.6)
Central Nervous System	0.91 >=0.20	ATG13 (3.6)
Neurosecretory Systems	0.91 >=0.20	ATG13 (3.6)
Blood	0.91 >=0.20	PBX4 (5.8)
Stem Cells	0.91 >=0.20	WDR76 (1.5)
Central Nervous System	0.92 >=0.20	DPYSL5 (3.9)
Stem Cells	0.92 >=0.20	NSMAF (2.6)
Central Nervous System	0.93 >=0.20	ATG13 (3.5)
Central Nervous System	0.93 >=0.20	MPP3 (5.3)
Blood Cells	0.94 >=0.20	PBX4 (5.5)
Myeloid Cells	0.94 >=0.20	NSMAF (2.8)
Mouth	0.94 >=0.20	EIF2B4 (2.5)
Central Nervous System	0.94 >=0.20	DPYSL5 (4.8)
Immune System	0.94 >=0.20	PCSK7 (2.7)
Connective Tissue Cells	0.95 >=0.20	TRNP1 (2.1)
Central Nervous System	0.95 >=0.20	MPP3 (5.0)
Central Nervous System	0.95 >=0.20	MPP3 (5.0)
Mouth	0.96 >=0.20	ZNF408 (4.6)
Genitalia	0.96 >=0.20	TMEM101 (3.2)
Central Nervous System	0.96 >=0.20	C11orf9 (3.5)
Central Nervous System	0.96 >=0.20	RFX4 (2.9)
Central Nervous System	0.96 >=0.20	RFX4 (2.9)
Central Nervous System	0.97 >=0.20	NCAN (3.1)
Central Nervous System	0.97 >=0.20	NCAN (3.1)
Central Nervous System	0.97 >=0.20	MPP3 (4.0)
Central Nervous System	0.97 >=0.20	NCAN (3.1)
Genitalia	0.97 >=0.20	REEP3 (1.8)
Central Nervous System	0.98 >=0.20	NCAN (3.1)
Genitalia	0.98 >=0.20	REEP3 (1.9)
Immune System	0.98 >=0.20	BLK (4.3)
Pharynx	0.98 >=0.20	BLK (4.3)
Blood Cells	0.98 >=0.20	PBX4 (4.0)
Central Nervous System	0.98 >=0.20	SLC30A3 (3.8)
Central Nervous System	0.98 >=0.20	NCAN (2.8)
Central Nervous System	0.98 >=0.20	NCAN (3.0)
Central Nervous System	0.98 >=0.20	NCAN (3.0)

Central Nervous System	0.98	>=0.20	NCAN (3.0)
Genitalia	0.99	>=0.20	C8orf12 (4.0)
Germ Cells	0.99	>=0.20	C8orf12 (4.0)
Connective Tissue	0.99	>=0.20	ENSG00000235545 (3.6)
Connective Tissue	0.99	>=0.20	ENSG00000235545 (3.6)
Pharynx	0.99	>=0.20	ENSG00000223522 (4.5)
Connective Tissue	1	>=0.20	ENSG00000235545 (3.6)
Heart	1	>=0.20	MYBPC3 (6.6)
Heart	1	>=0.20	MYBPC3 (6.5)
Genitalia	1	>=0.20	TMEM101 (3.5)
Pharynx	1	>=0.20	ENSG00000223522 (3.3)
Eye	1	>=0.20	ZNF512 (3.2)
Central Nervous System	1	>=0.20	HAPLN4 (5.0)
Central Nervous System	1	>=0.20	HAPLN4 (4.9)
Immune System	1	>=0.20	WDR76 (3.9)
Endocrine Glands	1	>=0.20	C8orf49 (8.7)

)ject Heading) tissues or cell types. The tissue-/cell-type specific P values are derived by nor
)rocedure 50 times based on 500 pre-computed null GWAS. The method is described in det

Tissue-specific expression Z score gene 2	Tissue-specific expression Z score gene 3	Tissue-specific expression Z score gene 4	Tissue-specific expression Z score gene 5
LPA (11.8)	CYP7A1 (10.7)	SLC22A1 (10.3)	F2 (9.8)
GPAM (4.3)	C19orf80 (4.1)	ANGPTL4 (3.6)	LPL (3.5)
GPAM (4.3)	C19orf80 (4.1)	ANGPTL4 (3.6)	LPL (3.5)
GPAM (4.2)	LPL (3.2)	C19orf80 (3.0)	ANGPTL4 (2.9)
GPAM (4.3)	LPL (3.4)	C19orf80 (3.2)	COBLL1 (3.1)
GPAM (4.3)	LPL (3.4)	C19orf80 (3.2)	COBLL1 (3.1)
TM6SF2 (4.3)	APOC3 (2.9)	APOB (2.9)	APOA1 (2.8)
F2 (8.6)	APOC3 (8.3)	HGFAC (7.6)	C19orf80 (7.3)
TM6SF2 (7.0)	PYY (5.3)	APOC3 (4.7)	APOB (4.6)
BRE (4.0)	RBKS (3.6)	FNDC4 (3.0)	MRPL33 (3.0)
LPL (3.0)	NR1H3 (3.0)	SLC22A3 (2.9)	FADS1 (2.5)
C8orf12 (2.5)	TDH (2.0)	NR0B2 (1.5)	VEGFA (1.3)
SLC5A6 (1.9)	CBLC (1.8)	KRTCAP3 (1.7)	EMILIN1 (1.5)
ENSG00000256731 (3.2)	RBKS (3.1)	MRPL33 (2.9)	FADS2 (2.7)
NFE2L3 (2.5)	ENSG00000236827 (2.5)	PDIA3 (2.4)	IZUMO1 (2.2)
NFE2L3 (2.5)	ENSG00000236827 (2.5)	PDIA3 (2.4)	IZUMO1 (2.2)
CBLC (2.0)	SDC1 (1.9)	VEGFA (1.9)	SFN (1.8)
PMFBP1 (2.5)	GMIP (2.4)	IZUMO1 (2.2)	NSMAF (2.0)
ENSG00000182329 (1.3)	AGBL2 (1.3)	PTPMT1 (1.3)	HAVCR1 (1.1)
SIDT2 (2.2)	IZUMO1 (2.2)	PMFBP1 (2.1)	ENSG00000236827 (2.0)
SIDT2 (2.2)	IZUMO1 (2.2)	PMFBP1 (2.1)	ENSG00000236827 (2.0)
CBLC (2.2)	KRTCAP3 (2.2)	NFE2L3 (1.7)	SLC5A6 (1.7)
C17orf105 (3.4)	MRPL33 (3.1)	SOST (2.7)	NAGS (2.5)
PMFBP1 (2.5)	GMIP (2.2)	IZUMO1 (2.1)	NSMAF (1.9)
ENSG00000200241 (1.8)	TIMD4 (1.8)	PLTP (1.7)	CILP2 (1.4)
KRTCAP3 (2.1)	CBLC (2.0)	NFE2L3 (1.9)	SLC5A6 (1.9)
KRTCAP3 (2.2)	CBLC (2.2)	NFE2L3 (1.8)	SLC5A6 (1.7)
PYY (2.6)	CBLC (2.3)	KRTCAP3 (2.2)	FUT2 (1.7)
CBLC (2.4)	ENSG00000256731 (1.9)	KRTCAP3 (1.7)	FUT2 (1.6)
KRTCAP3 (2.2)	CBLC (2.2)	NFE2L3 (1.8)	SLC5A6 (1.7)
FZD9 (7.3)	SLC22A1 (5.5)	DHX38 (2.8)	SIK3 (2.8)
CBLC (2.0)	PYY (1.9)	KRTCAP3 (1.9)	FUT2 (1.7)
GMIP (2.8)	PMFBP1 (2.5)	IGF2R (2.4)	UBXN2B (2.2)
SLC22A3 (1.1)	ENSG00000256731 (1.0)	SDC1 (1.0)	BMPR2 (0.8)
KHK (4.0)	ANGPTL3 (3.5)	RBKS (2.5)	LIPC (2.3)
GMIP (2.7)	PMFBP1 (2.3)	IGF2R (2.2)	UBXN2B (2.2)
KHK (4.4)	ANGPTL3 (3.9)	RBKS (2.9)	LIPC (2.5)
GMIP (2.7)	ZDHHC18 (2.4)	UBXN2B (2.3)	PGS1 (2.3)
GMIP (2.7)	ZDHHC18 (2.4)	UBXN2B (2.3)	PGS1 (2.3)
C11orf9 (2.6)	GATA4 (2.3)	PVRL2 (2.3)	SOST (2.2)
FUT2 (1.7)	TAGLN (1.6)	EMILIN1 (1.5)	TRNP1 (1.4)
USP1 (1.6)	SDC1 (1.5)	ENSG00000200241 (1.2)	CBLC (1.1)
FUT2 (1.8)	EMILIN1 (1.8)	TAGLN (1.6)	TMEM214 (1.5)

CETP (4.6)	BLK (2.4)	NR1H3 (2.4)	APOC1 (1.8)
BLK (2.9)	TIMD4 (2.9)	ENSG00000200241 (1.9)	CCDC18 (1.8)
INTS10 (4.5)	FNBP4 (4.0)	ABCA1 (3.6)	PAFAH1B2 (3.4)
INTS10 (4.5)	FNBP4 (4.0)	ABCA1 (3.6)	PAFAH1B2 (3.4)
PMFBP1 (2.9)	PTPRJ (2.9)	PTPMT1 (2.4)	IGF2R (2.4)
GTF3C2 (3.3)	POLR1A (3.2)	SLC5A6 (2.8)	MTF2 (2.7)
GTF3C2 (3.3)	POLR1A (3.2)	SLC5A6 (2.8)	MTF2 (2.7)
RSPO3 (2.7)	BNC2 (2.5)	NRBF2 (2.0)	MPV17 (2.0)
RSPO3 (2.7)	BNC2 (2.5)	NRBF2 (2.0)	MPV17 (2.0)
RSPO3 (2.7)	BNC2 (2.5)	NRBF2 (2.0)	MPV17 (2.0)
FUT2 (2.2)	NAT2 (1.8)	CBLC (1.5)	SFN (1.5)
EMILIN1 (2.4)	RSPO3 (2.3)	CGREF1 (2.3)	IZUMO1 (2.3)
ENSG00000256731 (2.2)	ANGPTL4 (1.9)	FADS2 (1.8)	BCAM (1.8)
FUT2 (1.8)	SDC1 (1.6)	TAGLN (1.6)	TRNP1 (1.5)
PGS1 (5.4)	UBXN2B (5.3)	JMJD1C (4.4)	GMIP (4.4)
DOCK6 (2.5)	BMPR2 (2.1)	PVRL2 (1.9)	ANGPTL4 (1.9)
TIMD4 (3.0)	ZNF513 (2.8)	PCIF1 (2.6)	PCSK7 (2.3)
CETP (3.7)	BLK (2.8)	NR1H3 (1.7)	PCSK7 (1.7)
CETP (3.7)	BLK (2.8)	NR1H3 (1.7)	PCSK7 (1.7)
SFN (2.8)	SDC1 (2.1)	CBLC (1.7)	C1orf172 (1.6)
DOCK6 (3.4)	BMPR2 (2.5)	PVRL2 (2.3)	NFE2L3 (2.0)
PGS1 (5.0)	UBXN2B (5.0)	GMIP (4.1)	PTPRJ (4.0)
C8orf49 (3.3)	TIMD4 (3.2)	CASC4 (2.5)	BMPR2 (2.1)
C8orf49 (3.3)	TIMD4 (3.2)	CASC4 (2.5)	BMPR2 (2.1)
DOCK6 (3.5)	BMPR2 (2.8)	PVRL2 (2.4)	NFE2L3 (2.3)
DOCK6 (3.5)	BMPR2 (2.8)	PVRL2 (2.4)	NFE2L3 (2.3)
FUT2 (2.8)	NAT2 (2.3)	SFN (2.0)	CBLC (2.0)
MTF2 (2.4)	CTDSPL2 (2.0)	APOA1 (2.0)	FEN1 (1.9)
BNC2 (3.1)	EMILIN1 (2.8)	TAGLN (2.6)	KANK2 (2.6)
TMEM175 (3.2)	HARBI1 (3.2)	ATP13A1 (2.9)	TIMD4 (2.8)
TMEM175 (3.2)	HARBI1 (3.2)	ATP13A1 (2.9)	TIMD4 (2.8)
GMIP (1.4)	TECTB (1.4)	TRIB1 (1.4)	JMJD1C (1.2)
ZDHHC18 (1.8)	LPAR2 (1.7)	IZUMO1 (1.5)	MAU2 (1.4)
FUT2 (2.6)	COBLL1 (2.4)	SDC1 (2.3)	EPB41L3 (2.0)
IZUMO1 (2.3)	C17orf105 (1.9)	TOMM40 (1.8)	AFF1 (1.8)
TECTB (1.5)	TRIB1 (1.3)	TIMD4 (1.3)	ARID1A (1.2)
NR1H3 (1.5)	IGF2R (1.5)	PTPMT1 (1.4)	NSMAF (1.3)
ENSG00000222035 (3.6)	FGF21 (3.6)	ENSG00000256746 (2.6)	ZNF408 (2.4)
NAT2 (5.6)	CBLC (3.0)	KRTCAP3 (2.9)	FUT2 (2.5)
GTF3C2 (2.5)	POLR1A (2.5)	FEN1 (2.4)	NFE2L3 (2.2)
DOCK6 (3.0)	BMPR2 (2.4)	NAGS (2.4)	NFE2L3 (2.0)
GMIP (1.4)	ATP13A1 (1.3)	TMED5 (1.3)	ENSG00000234945 (1.3)
PREB (2.5)	HARBI1 (2.4)	ENSG00000234945 (2.3)	ATP13A1 (2.3)
PREB (2.5)	HARBI1 (2.4)	ENSG00000234945 (2.3)	ATP13A1 (2.3)
FADS2 (2.4)	RASIP1 (2.2)	POLR1A (2.0)	PVRL2 (2.0)
TSSK6 (3.5)	ENSG00000222035 (3.3)	ENSG00000256746 (2.5)	CGREF1 (2.4)
KDM3A (2.1)	ZNF664 (1.9)	ZNF512 (1.9)	CILP2 (1.8)
GALNT2 (3.2)	BRE (3.1)	CSGALNACT1 (2.9)	GCKR (2.8)
GALNT2 (3.2)	BRE (3.1)	CSGALNACT1 (2.9)	GCKR (2.8)
GALNT2 (3.2)	BRE (3.1)	CSGALNACT1 (2.9)	GCKR (2.8)

TECTB (1.8)	TRIB1 (1.7)	TIMD4 (1.6)	C2orf16 (1.6)
LPAR2 (1.5)	SPG11 (1.5)	MAU2 (1.5)	ZDHHC18 (1.4)
LPA (2.8)	CYP26A1 (2.3)	FUT2 (2.3)	SNX17 (2.2)
LPA (2.8)	CYP26A1 (2.3)	FUT2 (2.3)	SNX17 (2.2)
LPA (2.7)	CYP26A1 (2.3)	FUT2 (2.3)	SNX17 (2.2)
APOC1 (3.9)	NR1H3 (3.6)	SIDT2 (2.7)	LPL (2.5)
SUMO1 (2.4)	TM6SF2 (2.4)	REEP3 (2.3)	RSPO3 (2.3)
CTSB (2.2)	TRIB1 (2.0)	ENSG00000179523 (1.9)	FAM167A (1.9)
TECTB (1.5)	TRIB1 (1.4)	TIMD4 (1.3)	C2orf16 (1.3)
FAM167A (1.9)	CBLC (1.8)	SDC1 (1.7)	PTPN13 (1.6)
LPA (2.6)	CYP26A1 (2.1)	FUT2 (2.0)	ARFGAP2 (2.0)
TECTB (1.6)	TRIB1 (1.4)	TIMD4 (1.4)	C2orf16 (1.4)
LPA (2.6)	CYP26A1 (2.1)	FUT2 (2.1)	ARFGAP2 (2.1)
LPA (2.6)	CYP26A1 (2.1)	FUT2 (2.1)	ARFGAP2 (2.1)
PGS1 (1.8)	LPAR2 (1.8)	GMIP (1.8)	BLK (1.8)
HARBI1 (2.8)	C1orf172 (2.4)	CBLC (2.3)	NAGS (2.2)
ENSG00000182329 (5.3)	DNAH10 (4.8)	FUT2 (3.9)	IFT172 (3.8)
ENSG00000182329 (5.3)	DNAH10 (4.8)	FUT2 (3.9)	IFT172 (3.8)
ENSG00000182329 (5.3)	DNAH10 (4.8)	FUT2 (3.9)	IFT172 (3.8)
SNX17 (1.9)	ENSG00000200241 (1.6)	SDCBP (1.6)	DOCK7 (1.5)
ZNF664 (1.6)	KDM3A (1.5)	ZNF512 (1.3)	ENSG00000223745 (1.3)
ZNF664 (1.6)	KDM3A (1.5)	ZNF512 (1.3)	ENSG00000223745 (1.3)
FUT2 (1.9)	SDC1 (1.8)	ENSG00000222035 (1.6)	PACSIN3 (1.5)
TXNL4B (7.1)	CETP (6.2)	ENSG00000222035 (5.4)	ENSG00000256746 (5.1)
DPYSL5 (3.6)	FADS2 (3.3)	POLR1A (3.1)	LSM12 (2.9)
ZNF664 (1.2)	PLTP (1.1)	KDM3A (1.1)	ZNF512 (1.1)
SUMO1 (1.6)	ENSG00000253379 (1.6)	AGBL5 (1.4)	BNC2 (1.4)
POLR1A (1.6)	SUMO1 (1.6)	AGBL5 (1.4)	BNC2 (1.4)
ZNF664 (1.2)	KDM3A (1.2)	ENSG00000223745 (1.1)	ZNF512 (1.1)
SFN (3.1)	FUT1 (2.5)	C1orf172 (2.5)	ARFGAP2 (2.2)
ENSG00000182329 (3.1)	DNAH10 (2.9)	FUT2 (2.4)	IFT172 (2.4)
MAMSTR (5.0)	PACSIN3 (4.2)	MRPL33 (3.6)	DUSP3 (3.4)
MAMSTR (5.0)	PACSIN3 (4.2)	MRPL33 (3.6)	DUSP3 (3.4)
BRE (2.1)	MFAP1 (1.9)	KDM3A (1.9)	GALNT2 (1.8)
KANK2 (1.3)	EMILIN1 (1.3)	TAGLN (1.1)	PLTP (1.0)
EMILIN1 (2.5)	BNC2 (2.1)	MPV17 (1.9)	TAGLN (1.8)
KDM3A (1.5)	ZNF664 (1.4)	APOA1 (1.3)	ZNF512 (1.3)
CCDC121 (3.5)	SLC22A3 (3.2)	ENSG00000256731 (2.9)	ENSG00000253379 (2.8)
TDH (4.0)	AGBL5 (3.0)	LIPC (2.9)	ENSG00000222035 (2.6)
TDH (4.0)	AGBL5 (3.0)	LIPC (2.8)	ENSG00000222035 (2.6)
SOST (3.1)	TAGLN (2.4)	ARHGAP1 (1.9)	BNC2 (1.9)
ATP13A1 (1.6)	PCSK7 (1.6)	TMEM175 (1.5)	TSSK6 (1.5)
MAMSTR (5.2)	PACSIN3 (4.2)	MRPL33 (3.6)	DUSP3 (3.3)
CCDC121 (3.7)	SLC22A3 (3.3)	ENSG00000253379 (3.0)	ENSG00000256731 (3.0)
MAMSTR (3.7)	PACSIN3 (3.4)	MRPL33 (2.7)	DUSP3 (2.6)
EMILIN1 (3.3)	ANGPTL4 (2.8)	GATA4 (2.5)	TAGLN (2.3)
EMILIN1 (3.3)	ANGPTL4 (2.8)	GATA4 (2.5)	TAGLN (2.3)
BAZ1B (4.5)	NEIL2 (4.5)	MAP1A (4.0)	AFF1 (3.8)
CCDC121 (1.4)	KRTCAP3 (1.1)	TMEM101 (1.0)	NEIL2 (0.9)
TXNL4B (2.4)	GPN2 (2.4)	TBL2 (2.1)	TUBGCP4 (2.1)

MYBPC3 (6.3)	TRIM54 (3.8)	DUSP3 (3.8)	FRMD5 (3.3)
C1orf172 (3.2)	ARFGAP2 (3.1)	SFN (2.9)	PLA2G6 (2.8)
WDR76 (3.4)	FDFT1 (3.3)	NUP160 (2.9)	ENSG00000179523 (2.9)
WDR76 (3.4)	FDFT1 (3.3)	NUP160 (2.9)	ENSG00000179523 (2.9)
GATA4 (5.8)	TRIM54 (3.4)	DUSP3 (3.2)	FRMD5 (3.1)
NCAN (3.0)	HAPLN4 (2.9)	MPP2 (2.7)	LRP4 (2.7)
IZUMO1 (2.9)	WDR76 (2.9)	HP (2.7)	USP1 (2.5)
PPY (1.7)	FEN1 (1.6)	NUP160 (1.5)	EIF3J (1.4)
KDM3A (2.3)	FEN1 (2.1)	NUP160 (2.1)	CTDSPL2 (1.9)
KDM3A (2.3)	FEN1 (2.1)	NUP160 (2.1)	CTDSPL2 (1.9)
TRNP1 (2.1)	BNC2 (2.0)	EMILIN1 (2.0)	CITED2 (1.9)
CCDC121 (3.1)	SLC22A3 (2.6)	ENSG00000256731 (2.4)	TMEM101 (2.2)
MAP1A (3.7)	NEIL2 (3.4)	BAZ1B (3.3)	ENSG00000226645 (3.2)
CCDC18 (2.5)	GPN2 (2.1)	TXNL4B (2.1)	TUBGCP4 (1.9)
TP53BP1 (3.6)	MPP2 (3.0)	BAZ1B (2.9)	DPYSL5 (2.8)
TP53BP1 (3.6)	MPP2 (3.0)	BAZ1B (2.9)	DPYSL5 (2.8)
TP53BP1 (3.6)	MPP2 (3.0)	BAZ1B (2.9)	DPYSL5 (2.8)
PCSK7 (4.7)	FNBP4 (4.1)	ENSG00000223522 (3.5)	MAU2 (3.3)
POLR1A (1.5)	CCDC18 (1.5)	FEN1 (1.4)	SUMO1 (1.4)
MPP2 (3.5)	ATG13 (3.1)	HDAC5 (2.8)	PLA2G6 (2.6)
CCDC18 (2.3)	WDR76 (2.1)	TDH (2.0)	TXNL4B (1.9)
MPP2 (3.2)	DPYSL5 (3.1)	TP53BP1 (3.1)	MAPRE3 (2.8)
CATSPER2 (5.0)	PPIP5K1 (4.9)	JMJD1C (4.5)	STRC (4.3)
PCSK7 (4.7)	FNBP4 (4.4)	ENSG00000223522 (4.0)	INTS10 (3.2)
CCDC18 (2.5)	WDR76 (2.3)	TDH (2.3)	TUBGCP4 (2.0)
PTPN13 (1.9)	SFN (1.8)	C8orf12 (1.8)	SDC1 (1.7)
MPP2 (3.3)	PLA2G6 (3.2)	NCAN (2.9)	HAPLN4 (2.9)
WDR76 (2.5)	ENSG00000200241 (2.3)	CCDC18 (2.1)	FNBP4 (2.0)
DOCK7 (2.0)	EMILIN1 (1.8)	CITED2 (1.7)	TAGLN (1.7)
CATSPER2 (4.8)	PPIP5K1 (4.5)	STRC (3.9)	JMJD1C (3.9)
CATSPER2 (4.8)	PPIP5K1 (4.5)	STRC (3.9)	JMJD1C (3.9)
ENSG00000256746 (3.6)	SFN (2.6)	FUT1 (2.4)	NOP58 (2.4)
KANK2 (1.3)	AGBL2 (1.3)	EMILIN1 (1.2)	CCDC121 (1.1)
NCAN (3.1)	RFX4 (3.0)	ENSG00000226645 (2.6)	SLC30A3 (2.6)
NCAN (2.5)	HAPLN4 (2.1)	LRP4 (2.0)	ENSG00000235545 (2.0)
NCAN (2.6)	HAPLN4 (2.1)	LRP4 (2.0)	ENSG00000235545 (2.0)
C1QTNF4 (2.8)	MAPK10 (2.7)	MAP1A (2.7)	STRC (2.6)
C1QTNF4 (2.8)	MAPK10 (2.7)	MAP1A (2.7)	STRC (2.6)
CATSPER2 (3.8)	PPIP5K1 (3.1)	STRC (3.1)	C1QTNF4 (3.0)
SLC30A3 (2.8)	C1QTNF4 (2.8)	MAP1A (2.6)	MAPK10 (2.6)
PTPN13 (1.7)	CITED2 (1.6)	TRNP1 (1.5)	COBLL1 (1.5)
RFX4 (2.7)	SLC30A3 (2.6)	C11orf9 (2.6)	STRC (2.5)
PTPN13 (1.7)	CITED2 (1.6)	TRNP1 (1.6)	COBLL1 (1.6)
CCDC18 (2.4)	C8orf12 (2.4)	GMIP (2.2)	AMBRA1 (2.2)
CCDC18 (2.4)	C8orf12 (2.4)	GMIP (2.2)	AMBRA1 (2.2)
PCSK7 (3.3)	FNBP4 (2.1)	MAU2 (2.0)	INTS10 (2.0)
HAPLN4 (3.5)	RFX4 (3.3)	MAMSTR (3.1)	C1QTNF4 (3.0)
RFX4 (2.6)	HAPLN4 (2.5)	MPP2 (2.5)	SLC30A3 (2.4)
RFX4 (2.8)	HAPLN4 (2.6)	SLC30A3 (2.5)	C1QTNF4 (2.4)
HAPLN4 (2.8)	RFX4 (2.8)	SLC30A3 (2.6)	STRC (2.6)

RFX4 (2.8)	HAPLN4 (2.7)	SLC30A3 (2.5)	C1QTNF4 (2.5)
TMEM101 (3.8)	CYP26A1 (3.4)	CCDC121 (3.2)	AMBRA1 (1.6)
TMEM101 (3.8)	CYP26A1 (3.4)	CCDC121 (3.2)	AMBRA1 (1.6)
FAM167A (3.4)	DNAJC5G (2.7)	ENSG00000223522 (2.6)	CITED2 (2.5)
FAM167A (3.4)	DNAJC5G (2.7)	ENSG00000223522 (2.6)	CITED2 (2.5)
C2orf53 (4.1)	ENSG00000235545 (3.9)	PMFBP1 (3.8)	LINC00208 (3.7)
FAM167A (3.5)	DNAJC5G (3.0)	ENSG00000223522 (2.9)	TBL2 (2.6)
ABHD1 (4.4)	TRIM54 (3.2)	MRPL35 (3.2)	MPP3 (3.1)
ABHD1 (4.5)	MRPL35 (3.4)	TRIM54 (3.3)	IMMT (3.1)
C8orf12 (3.4)	CYP26A1 (3.0)	CCDC121 (2.9)	C17orf105 (2.3)
LINC00208 (2.5)	C2orf53 (2.5)	ENSG00000235545 (2.5)	C8orf12 (2.1)
KDM3A (3.0)	ARID1A (2.8)	USP1 (2.7)	ZNF664 (2.6)
UCN (4.6)	STRC (3.7)	RFX4 (3.2)	NCAN (2.9)
UCN (4.2)	STRC (3.4)	RFX4 (3.0)	NCAN (3.0)
FEN1 (3.0)	PPM1G (2.7)	CCDC18 (2.6)	CAD (2.4)
CCDC121 (5.0)	NEIL2 (4.9)	TMEM101 (2.9)	GATA4 (2.8)

malizing average expression levels across identified loci using mean and standard deviation
ail in Pers et al. NatComm 2015.

Tissue-specific expression Z score gene 6	Tissue-specific expression Z score gene 7	Tissue-specific expression Z score gene 8	Tissue-specific expression Z score gene 9
HGFAC (9.8)	APOC4 (9.6)	APOA5 (9.4)	APOC3 (9.3)
NR1H3 (3.4)	DOCK6 (3.3)	COBLL1 (3.1)	CETP (2.7)
NR1H3 (3.4)	DOCK6 (3.3)	COBLL1 (3.1)	CETP (2.7)
NR1H3 (2.9)	COBLL1 (2.6)	DOCK6 (2.4)	RASIP1 (2.3)
NR1H3 (3.0)	ANGPTL4 (3.0)	DOCK6 (2.7)	RASIP1 (2.5)
NR1H3 (3.0)	ANGPTL4 (3.0)	DOCK6 (2.7)	RASIP1 (2.5)
NAT2 (2.4)	PYY (2.3)	KHK (2.3)	NAGS (1.9)
APOA1 (7.0)	NR0B2 (6.2)	APOA5 (5.5)	HP (5.4)
APOA1 (4.6)	NAT2 (3.9)	KHK (3.9)	NAGS (3.3)
APOC1 (2.9)	FADS2 (2.8)	ABCA1 (2.7)	APOE (2.7)
HP (2.2)	ENSG00000253379 (2.2)	PIGV (2.2)	CD300LG (1.9)
ENSG00000255020 (1.2)	PLTP (1.1)	KRTCAP3 (1.0)	CHMP3 (1.0)
TAGLN (1.4)	FUT2 (1.3)	TMEM214 (1.3)	ZNF335 (1.3)
FNDC4 (2.6)	APOC1 (2.6)	MAMSTR (2.4)	APOE (2.3)
C8orf49 (2.0)	SLC22A3 (1.8)	EMILIN1 (1.8)	NRBF2 (1.8)
C8orf49 (2.0)	SLC22A3 (1.8)	EMILIN1 (1.8)	NRBF2 (1.8)
ARID1A (1.5)	KRTCAP3 (1.4)	TOMM40 (1.4)	ZNF335 (1.4)
BCL3 (1.8)	CTSB (1.7)	TMED5 (1.7)	EPB41L3 (1.6)
PPM1G (1.0)	ENSG00000236827 (0.9)	NAGS (0.9)	TUBGCP4 (0.9)
AFF1 (2.0)	GMIP (1.9)	SPG11 (1.9)	CTSB (1.9)
AFF1 (2.0)	GMIP (1.9)	SPG11 (1.9)	CTSB (1.9)
FUT2 (1.6)	PYY (1.4)	SFN (1.3)	ENSG00000256731 (1.3)
COBLL1 (2.5)	WDR76 (2.2)	BCAM (2.2)	BNC2 (1.9)
CTSB (1.9)	IGF2R (1.8)	TMED5 (1.8)	EPB41L3 (1.6)
BNC2 (1.3)	BCAM (1.3)	EMILIN1 (1.2)	KANK2 (1.2)
FUT2 (1.8)	CAD (1.7)	ENSG00000256731 (1.6)	VEGFA (1.5)
FUT2 (1.6)	SFN (1.3)	ENSG00000256731 (1.3)	PYY (1.3)
NFE2L3 (1.5)	SLC5A6 (1.4)	SFN (1.4)	C1orf172 (1.4)
SFN (1.4)	IFT172 (1.4)	EMILIN1 (1.2)	SDC1 (1.2)
FUT2 (1.6)	PYY (1.4)	SFN (1.3)	ENSG00000256731 (1.3)
VEGFA (2.6)	CSGALNACT1 (2.4)	FNBP4 (2.3)	EMILIN1 (2.3)
SFN (1.6)	C1orf172 (1.3)	SDC1 (1.2)	NFE2L3 (1.0)
NSMAF (2.1)	IZUMO1 (2.1)	SPG11 (2.0)	ZDHHC18 (2.0)
CAD (0.8)	VEGFA (0.8)	APOC1 (0.8)	USP1 (0.7)
SOST (2.2)	COBLL1 (1.7)	VEGFA (1.7)	ANGPTL4 (1.4)
IZUMO1 (2.1)	NSMAF (2.0)	SPG11 (1.9)	PGS1 (1.9)
SOST (2.3)	COBLL1 (1.9)	VEGFA (1.7)	ANGPTL4 (1.4)
IZUMO1 (2.2)	BCL3 (2.0)	LPAR2 (2.0)	NSMAF (2.0)
IZUMO1 (2.2)	BCL3 (2.0)	LPAR2 (2.0)	NSMAF (2.0)
APOA1 (1.9)	TMEM214 (1.7)	TBL2 (1.6)	CAD (1.6)
ENSG00000223745 (1.3)	RSPO3 (1.3)	TMEM214 (1.3)	KRTCAP3 (1.3)
KRTCAP3 (1.1)	C1orf172 (1.1)	TAGLN (1.0)	FUT2 (1.0)
ENSG00000223745 (1.5)	RSPO3 (1.5)	LINC00208 (1.4)	TRNP1 (1.3)

PCSK7 (1.6)	ENSG00000223745 (1.6)	APOE (1.5)	SLC22A3 (1.5)
PTPRJ (1.7)	BRE (1.6)	ZNF512 (1.4)	NR1H3 (1.4)
MAU2 (3.2)	PCSK7 (3.2)	SIK3 (2.6)	MTF2 (2.5)
MAU2 (3.2)	PCSK7 (3.2)	SIK3 (2.6)	MTF2 (2.5)
APOC1 (2.3)	NSMAF (2.2)	GMIP (2.2)	ACP2 (2.2)
NUP160 (2.6)	CAD (2.6)	FEN1 (2.6)	NFE2L3 (2.3)
NUP160 (2.6)	CAD (2.6)	FEN1 (2.6)	NFE2L3 (2.3)
CTSB (1.9)	BRE (1.9)	ARHGAP1 (1.9)	CGREF1 (1.7)
CTSB (1.9)	BRE (1.9)	ARHGAP1 (1.9)	CGREF1 (1.7)
CTSB (1.9)	BRE (1.9)	ARHGAP1 (1.9)	CGREF1 (1.7)
AGBL2 (1.4)	KRTCAP3 (1.4)	RBKS (1.3)	SDC1 (1.3)
ANGPTL4 (2.1)	C17orf105 (2.1)	BNC2 (2.1)	REEP3 (2.0)
ARHGAP1 (1.8)	MAFF (1.5)	BCL7B (1.5)	KANK2 (1.4)
KRTCAP3 (1.4)	ENSG00000256731 (1.4)	FNBP4 (1.3)	ARHGAP1 (1.3)
PTPRJ (4.3)	LPAR2 (4.2)	IGF2R (4.2)	SPG11 (3.8)
G6PC3 (1.6)	FADS2 (1.6)	MAFF (1.5)	NAGS (1.5)
LPAR2 (2.0)	ZNF335 (2.0)	KBTBD4 (2.0)	PTPRJ (1.9)
CCDC18 (1.6)	ENSG00000223745 (1.5)	GMIP (1.4)	FNBP4 (1.4)
CCDC18 (1.6)	ENSG00000223745 (1.5)	GMIP (1.4)	FNBP4 (1.4)
PTPN13 (1.2)	PLTP (1.2)	ENSG00000200241 (1.2)	FDFT1 (1.2)
DDB2 (1.9)	BNC2 (1.8)	FRMD5 (1.8)	TP53BP1 (1.7)
JMJD1C (4.0)	LPAR2 (3.9)	IGF2R (3.8)	TRIB1 (3.5)
PLTP (2.1)	EMILIN1 (2.1)	ENSG00000253379 (2.0)	SIDT2 (2.0)
PLTP (2.1)	EMILIN1 (2.1)	ENSG00000253379 (2.0)	SIDT2 (2.0)
DDB2 (2.0)	BNC2 (1.9)	FRMD5 (1.9)	NAGS (1.8)
DDB2 (2.0)	BNC2 (1.9)	FRMD5 (1.9)	NAGS (1.8)
KRTCAP3 (1.8)	AGBL2 (1.7)	C1orf172 (1.7)	RBKS (1.7)
CKAP5 (1.9)	SUMO1 (1.8)	CAD (1.8)	SLC5A6 (1.8)
SLC22A3 (2.5)	ENSG00000256731 (2.3)	MAPK10 (1.8)	ZNF512 (1.7)
TBL2 (2.8)	ATG4C (2.7)	TSSK6 (2.7)	ENSG00000234945 (2.7)
TBL2 (2.7)	TSSK6 (2.7)	ATG4C (2.7)	ENSG00000234945 (2.6)
TIMD4 (1.2)	SPG11 (1.2)	C2orf16 (1.2)	LINC00208 (1.2)
PGS1 (1.4)	SPG11 (1.4)	UBXN2B (1.3)	ENSG00000234945 (1.3)
CBLC (1.9)	NRBP1 (1.7)	CHMP3 (1.7)	MTCH2 (1.6)
ZDHHC18 (1.6)	ARID1A (1.6)	ABO (1.5)	GMIP (1.5)
C2orf16 (1.2)	LINC00208 (1.2)	ATG13 (1.2)	JMJD1C (1.2)
CTSB (1.2)	CITED2 (1.2)	MAFF (1.1)	NRBF2 (1.1)
SIDT2 (2.3)	ENSG00000236827 (2.2)	CGREF1 (2.2)	STRC (2.1)
ABO (2.4)	C1orf172 (2.2)	SFN (2.0)	TM6SF2 (2.0)
CAD (2.0)	MTF2 (1.9)	MFAP1 (1.8)	CTDSPL2 (1.8)
PVRL2 (1.9)	ANGPTL4 (1.6)	CETP (1.5)	PAFAH1B2 (1.4)
BLK (1.3)	HARBI1 (1.2)	TMEM175 (1.2)	MAU2 (1.2)
BLK (2.3)	TSSK6 (2.2)	ENSG00000256746 (2.0)	ABO (2.0)
BLK (2.3)	TSSK6 (2.2)	ENSG00000256746 (2.0)	ABO (2.0)
GATAD2A (2.0)	ENSG00000236267 (1.9)	DOCK6 (1.8)	BNC2 (1.8)
ZNF408 (2.4)	SLC22A3 (2.4)	SIDT2 (2.3)	ENSG00000256731 (2.0)
ENSG00000223745 (1.8)	KRTCAP3 (1.6)	USP1 (1.6)	APOA1 (1.6)
FNDC4 (2.8)	FRMD5 (2.6)	SOST (2.5)	MFAP1 (2.4)
FNDC4 (2.8)	FRMD5 (2.6)	SOST (2.5)	MFAP1 (2.4)
FNDC4 (2.8)	FRMD5 (2.6)	SOST (2.5)	MFAP1 (2.4)

LINC00208 (1.5)	ATG13 (1.5)	ARID1A (1.5)	JMJD1C (1.5)
PGS1 (1.4)	IZUMO1 (1.3)	UBXN2B (1.3)	PTPRJ (1.2)
PTPN13 (2.2)	ARFGAP2 (2.1)	C1orf172 (2.0)	TRNP1 (2.0)
PTPN13 (2.2)	ARFGAP2 (2.1)	C1orf172 (2.0)	TRNP1 (2.0)
PTPN13 (2.1)	ARFGAP2 (2.1)	TRNP1 (2.0)	C1orf172 (2.0)
ACP2 (2.5)	SPG11 (2.5)	UBXN2B (2.4)	PTPRJ (2.4)
PIGV (2.2)	ANGPTL4 (2.1)	SIDT2 (2.0)	TMEM175 (2.0)
ENSG00000223745 (1.9)	NEIL2 (1.8)	LRP4 (1.8)	PLA2G6 (1.8)
ATG13 (1.3)	LINC00208 (1.3)	ARID1A (1.2)	JMJD1C (1.2)
LRP4 (1.5)	SLC22A3 (1.4)	DDB2 (1.3)	C1orf172 (1.2)
SNX17 (1.9)	PTPN13 (1.9)	C1orf172 (1.7)	TRNP1 (1.7)
LINC00208 (1.3)	ATG13 (1.3)	ARID1A (1.3)	JMJD1C (1.3)
SNX17 (2.0)	PTPN13 (1.9)	C1orf172 (1.8)	TRNP1 (1.8)
SNX17 (2.0)	PTPN13 (1.9)	C1orf172 (1.8)	TRNP1 (1.8)
MAU2 (1.7)	ZDHHC18 (1.6)	PCSK7 (1.5)	IZUMO1 (1.4)
SDC1 (1.8)	PMFBP1 (1.7)	ZNF513 (1.7)	FUT1 (1.7)
CYP26A1 (2.8)	RBKS (2.3)	KBTBD4 (2.1)	ACP2 (2.1)
CYP26A1 (2.8)	RBKS (2.3)	KBTBD4 (2.1)	ACP2 (2.1)
CYP26A1 (2.8)	RBKS (2.3)	KBTBD4 (2.1)	ACP2 (2.1)
MPV17 (1.5)	EIF2B4 (1.4)	ENSG00000235545 (1.4)	ATG4C (1.3)
CILP2 (1.3)	CAD (1.3)	APOA1 (1.2)	KRTCAP3 (1.2)
CILP2 (1.3)	CAD (1.3)	APOA1 (1.2)	KRTCAP3 (1.2)
C1orf172 (1.4)	COBLL1 (1.4)	CBLC (1.4)	CHMP3 (1.4)
C17orf105 (5.0)	ENSG00000257711 (4.7)	PBX4 (3.7)	GATAD2A (3.7)
LRP4 (2.8)	G6PC3 (2.7)	DOCK7 (2.6)	RFX4 (2.5)
CAD (1.0)	KRTCAP3 (1.0)	ENSG00000223745 (1.0)	IFT172 (0.9)
CAD (1.4)	DHODH (1.2)	CYP26A1 (1.2)	FEN1 (1.1)
CAD (1.3)	DHODH (1.2)	CYP26A1 (1.2)	FEN1 (1.1)
PLTP (1.0)	VEGFA (1.0)	APOA1 (1.0)	KRTCAP3 (0.9)
SDC1 (2.2)	PTPN13 (2.1)	FUT2 (2.1)	CBLC (2.0)
C1orf172 (1.6)	CYP26A1 (1.5)	SDC1 (1.4)	SFN (1.4)
ABHD1 (3.2)	NDUFS3 (3.1)	FZD9 (3.1)	PTCD3 (2.9)
ABHD1 (3.2)	NDUFS3 (3.1)	FZD9 (3.1)	PTCD3 (2.9)
FDFT1 (1.7)	GATA4 (1.6)	SOST (1.6)	GCKR (1.5)
ZNF512 (0.9)	MRPL33 (0.8)	ARID1A (0.8)	BNC2 (0.8)
AGBL5 (1.7)	POLR1A (1.7)	SNX17 (1.7)	REEP3 (1.5)
CILP2 (1.2)	CAD (1.2)	PLTP (1.2)	KRTCAP3 (1.2)
TMEM101 (2.5)	BCAM (2.3)	FUT1 (2.2)	KRTCAP3 (2.2)
ENSG00000179523 (2.3)	CETP (2.3)	TUBGCP4 (2.2)	ENSG00000256746 (2.2)
ENSG00000179523 (2.3)	CETP (2.3)	TUBGCP4 (2.2)	ENSG00000256746 (2.2)
ANGPTL4 (1.8)	KANK2 (1.7)	NRBP1 (1.6)	GATA4 (1.6)
ENSG00000234945 (1.4)	KBTBD4 (1.4)	HARBI1 (1.4)	PBX4 (1.4)
ABHD1 (3.2)	NDUFS3 (3.2)	FZD9 (3.1)	PTCD3 (3.0)
TMEM101 (2.6)	FUT1 (2.5)	BCAM (2.4)	KRTCAP3 (2.2)
FZD9 (2.3)	ABHD1 (2.2)	NDUFS3 (2.1)	RSPO3 (2.0)
NRBP1 (2.2)	ARHGAP1 (2.2)	TMEM214 (2.0)	G6PC3 (2.0)
NRBP1 (2.2)	ARHGAP1 (2.2)	TMEM214 (2.0)	G6PC3 (2.0)
ENSG00000236827 (3.5)	ENSG00000256746 (3.1)	ENSG00000255020 (3.0)	TP53BP1 (3.0)
TAGLN (0.9)	PLTP (0.9)	KANK2 (0.8)	ENSG00000256731 (0.8)
BCL7B (2.1)	EIF2B4 (2.1)	MFAP1 (2.0)	SUGP1 (1.9)

LPL (3.3)	NR0B2 (3.2)	ARHGAP1 (3.2)	MRPL35 (3.1)
LRP4 (2.5)	HDAC5 (2.5)	EIF2B4 (2.4)	CITED2 (2.4)
MRPL35 (2.9)	ZNF512 (2.8)	FEN1 (2.8)	POLR1A (2.7)
MRPL35 (2.9)	ZNF512 (2.8)	FEN1 (2.8)	POLR1A (2.7)
LPL (3.1)	MRPL35 (2.9)	ARHGAP1 (2.8)	NR0B2 (2.8)
ENSG00000255020 (2.6)	FAM167A (2.6)	C1QTNF4 (2.5)	HDAC5 (2.5)
MTF2 (2.3)	ENSG00000257711 (2.2)	BUD13 (2.1)	UBXN2B (2.1)
VEGFA (1.4)	KDM3A (1.4)	GTF3C2 (1.4)	CTDSPL2 (1.4)
SFN (1.9)	GTF3C2 (1.7)	VEGFA (1.7)	FDFT1 (1.6)
SFN (1.9)	GTF3C2 (1.7)	VEGFA (1.7)	FDFT1 (1.6)
TMEM214 (1.9)	FAM167A (1.8)	NEIL2 (1.6)	MTCH2 (1.6)
ENSG00000253379 (2.1)	FUT1 (2.0)	ENSG00000226645 (1.8)	BCAM (1.7)
ENSG00000255020 (2.9)	NCAN (2.7)	MAPRE3 (2.6)	RFX4 (2.5)
WDR76 (1.8)	MFAP1 (1.7)	SUGP1 (1.7)	FEN1 (1.7)
IFT172 (2.8)	MAPRE3 (2.7)	HDAC5 (2.7)	MADD (2.7)
IFT172 (2.8)	MAPRE3 (2.7)	HDAC5 (2.7)	MADD (2.7)
IFT172 (2.8)	MAPRE3 (2.7)	HDAC5 (2.7)	MADD (2.7)
INTS10 (3.0)	ENSG00000200241 (2.7)	SUGP1 (2.3)	ENSG00000223745 (2.2)
TUBGCP4 (1.3)	CTDSPL2 (1.2)	DHODH (1.2)	CAD (1.1)
MAPRE3 (2.5)	C11orf49 (2.5)	MADD (2.4)	LINC00208 (2.3)
MTF2 (1.8)	FEN1 (1.7)	TUBGCP4 (1.7)	NUP160 (1.7)
HDAC5 (2.7)	IFT172 (2.6)	MADD (2.6)	BAZ1B (2.6)
CELF1 (4.2)	C1QTNF4 (3.7)	ENSG00000182319 (3.5)	MADD (2.7)
MAU2 (2.9)	ENSG00000200241 (2.6)	AGBL2 (2.3)	ENSG00000223745 (2.3)
FEN1 (2.0)	TXNL4B (2.0)	GPN2 (1.9)	MRPL35 (1.7)
ENSG00000223522 (1.6)	FUT1 (1.4)	ENSG00000222035 (1.4)	DDB2 (1.4)
HDAC5 (2.6)	ENSG00000236267 (2.5)	ENSG00000255020 (2.5)	ATG13 (2.4)
NOP58 (2.0)	MAU2 (1.9)	MTF2 (1.9)	LPAL2 (1.8)
BNC2 (1.6)	REEP3 (1.6)	MPV17 (1.4)	BMPR2 (1.4)
CELF1 (3.7)	C1QTNF4 (3.5)	ENSG00000182319 (3.0)	MADD (2.6)
CELF1 (3.7)	C1QTNF4 (3.5)	ENSG00000182319 (3.0)	MADD (2.6)
ENSG00000222035 (2.3)	KLF14 (2.2)	FGF21 (2.1)	PAFAH1B2 (2.0)
CYP26A1 (1.1)	KRTCAP3 (1.1)	ZNF512 (1.0)	ZNF664 (1.0)
MTMR9 (2.5)	HAPLN4 (2.5)	MPP2 (2.5)	CCDC92 (2.5)
DPYSL5 (1.9)	MAPK10 (1.8)	REEP1 (1.7)	MPP2 (1.7)
DPYSL5 (1.9)	MAPK10 (1.9)	REEP1 (1.8)	MPP2 (1.7)
SLC30A3 (2.6)	CMIP (2.5)	RFX4 (2.5)	CCDC92 (2.4)
SLC30A3 (2.6)	CMIP (2.5)	RFX4 (2.5)	CCDC92 (2.4)
HAPLN4 (2.6)	DPYSL5 (2.5)	MADD (2.3)	CELF1 (2.2)
CMIP (2.5)	STRC (2.5)	MPP2 (2.5)	ENSG00000226645 (2.4)
APOB (1.4)	ENSG00000223522 (1.2)	NRBF2 (1.1)	CBLC (1.1)
C1QTNF4 (2.5)	MAPK10 (2.5)	MPP2 (2.4)	ENSG00000226645 (2.4)
APOB (1.5)	ENSG00000223522 (1.3)	NRBF2 (1.2)	NFE2L3 (1.1)
BUD13 (2.2)	SPG11 (2.2)	PCSK7 (2.2)	WDR76 (2.1)
BUD13 (2.2)	SPG11 (2.2)	PCSK7 (2.2)	WDR76 (2.1)
ENSG00000200241 (2.0)	BUD13 (1.9)	WDR76 (1.8)	NOP58 (1.7)
CGREF1 (3.0)	MPP2 (3.0)	CASC4 (2.9)	C11orf49 (2.9)
MAP1A (2.3)	C1QTNF4 (2.3)	MAPK10 (2.3)	C11orf9 (2.3)
STRC (2.4)	C11orf9 (2.4)	MAP1A (2.4)	MAPK10 (2.4)
C1QTNF4 (2.5)	MAPK10 (2.4)	MTMR9 (2.4)	MPP2 (2.3)

STRC (2.5)	MAP1A (2.4)	MAPK10 (2.4)	C11orf9 (2.4)
FDFT1 (1.5)	PTPMT1 (1.5)	PYY (1.5)	BUD13 (1.5)
FDFT1 (1.5)	PTPMT1 (1.5)	PYY (1.5)	BUD13 (1.5)
TBL2 (2.4)	TRNP1 (2.0)	TAGLN (2.0)	TECTB (2.0)
TBL2 (2.4)	TRNP1 (2.0)	TAGLN (2.0)	TECTB (2.0)
TECTB (3.2)	DNAJC5G (3.2)	DNAH10 (2.9)	KLF14 (2.8)
CITED2 (2.6)	ENSG00000236267 (2.5)	TAGLN (2.1)	C8orf12 (2.0)
IMMT (3.0)	HP (2.8)	KANK2 (2.7)	LPL (2.6)
MPP3 (3.1)	HP (3.1)	BRE (2.8)	KANK2 (2.8)
PIGV (1.6)	AMBRA1 (1.4)	PTPMT1 (1.4)	PYY (1.4)
PMFBP1 (2.1)	MFAP1 (1.9)	ENSG00000236267 (1.9)	ENSG00000200241 (1.8)
DPYSL5 (2.6)	MFAP1 (2.5)	ENSG00000179523 (2.3)	C1QTNF4 (2.3)
MTMR9 (2.8)	SUGP1 (2.7)	LRP4 (2.7)	C11orf49 (2.3)
MTMR9 (2.7)	LRP4 (2.5)	SUGP1 (2.5)	MADD (2.3)
USP1 (2.4)	DDB2 (2.4)	TUBGCP4 (2.4)	LSM12 (2.3)
BAZ1B (2.7)	APOA1 (2.1)	ENSG00000256731 (1.9)	ENSG00000226645 (1.9)

ı for average

Tissue-specific expression Z score gene 10
HP (9.1)
RASIP1 (2.7)
RASIP1 (2.7)
RSPO3 (2.3)
RSPO3 (2.3)
RSPO3 (2.3)
CBLC (1.8)
GCKR (5.3)
CBLC (3.3)
SLC22A3 (2.6)
RSPO3 (1.8)
GATA4 (1.0)
NFE2L3 (1.3)
FADS1 (2.1)
HARBI1 (1.7)
HARBI1 (1.7)
C1orf172 (1.3)
NRBP1 (1.5)
DDB2 (0.9)
ENSG00000182319 (1.9)
ENSG00000182319 (1.9)
C1orf172 (1.2)
DDB2 (1.9)
SPG11 (1.6)
RSPO3 (1.2)
EMILIN1 (1.5)
C1orf172 (1.2)
IFT172 (1.0)
NFE2L3 (1.2)
C1orf172 (1.3)
JMJD1C (2.2)
SLC5A6 (1.0)
PGS1 (2.0)
PVRL2 (0.7)
AFF1 (1.2)
ZDHHC18 (1.8)
AFF1 (1.3)
PMFBP1 (2.0)
PMFBP1 (2.0)
NAGS (1.6)
FNBP4 (1.3)
ARID1A (1.0)
KRTCAP3 (1.3)

FNBP4 (1.5)
PCSK7 (1.4)
JMJD1C (2.4)
JMJD1C (2.4)
CTSB (2.0)
CTDSPL2 (2.3)
CTDSPL2 (2.3)
KANK2 (1.6)
KANK2 (1.6)
KANK2 (1.6)
C1orf172 (1.2)
GALNT2 (1.9)
EMILIN1 (1.4)
CBLC (1.2)
TRIB1 (3.8)
NRBP1 (1.5)
NUP160 (1.8)
MTF2 (1.2)
MTF2 (1.2)
ARID1A (1.2)
NAGS (1.7)
SPG11 (3.5)
KANK2 (1.9)
KANK2 (1.9)
TP53BP1 (1.8)
TP53BP1 (1.8)
SDC1 (1.5)
LSM12 (1.7)
BRE (1.5)
ABO (2.6)
ABO (2.6)
TMED5 (1.2)
C2orf53 (1.3)
PACSIN3 (1.6)
LPAR2 (1.5)
KLF14 (1.1)
ACP2 (1.1)
SLC22A3 (2.1)
MRPL35 (2.0)
G6PC3 (1.8)
POLR1A (1.4)
SUGP1 (1.2)
TBL2 (1.9)
TBL2 (1.9)
TRNP1 (1.8)
MLXIPL (2.0)
PLTP (1.6)
APOA1 (2.2)
APOA1 (2.2)
APOA1 (2.2)

AFF1 (1.4)
BLK (1.2)
SFN (1.9)
SFN (1.9)
SFN (1.9)
CTSB (2.2)
PDIA3 (2.0)
CCDC121 (1.8)
ATP13A1 (1.2)
ENSG00000256731 (1.1)
SFN (1.6)
ATP13A1 (1.2)
SFN (1.7)
SFN (1.7)
SPG11 (1.3)
PIGV (1.6)
PVRL2 (1.9)
PVRL2 (1.9)
PVRL2 (1.9)
LSM12 (1.2)
PLTP (1.2)
PLTP (1.2)
PTPN13 (1.2)
PPY (3.7)
CKAP5 (2.3)
USP1 (0.9)
MFAP1 (1.1)
MFAP1 (1.1)
CAD (0.9)
ENSG00000222035 (1.9)
PVRL2 (1.4)
ENSG00000256731 (2.8)
ENSG00000256731 (2.8)
FRMD5 (1.5)
IFT172 (0.8)
GALNT2 (1.5)
ENSG00000223745 (1.2)
ENSG00000226645 (2.0)
ENSG00000257711 (2.1)
ENSG00000257711 (2.1)
REEP3 (1.6)
PREB (1.4)
ENSG00000256731 (2.8)
ENSG00000226645 (2.1)
ENSG00000256731 (1.9)
REEP3 (2.0)
REEP3 (2.0)
RFX4 (3.0)
VEGFA (0.8)
SLC5A6 (1.9)

BCAM (3.1)
FAM167A (2.3)
CKAP5 (2.5)
CKAP5 (2.5)
HP (2.7)
MAPK10 (2.4)
FEN1 (2.0)
CKAP5 (1.3)
ENSG00000179523 (1.6)
ENSG00000179523 (1.6)
MPV17 (1.6)
BAZ1B (1.7)
CGREF1 (2.4)
GPN1 (1.6)
ZNF512 (2.6)
ZNF512 (2.6)
ZNF512 (2.6)
NOP58 (2.1)
GPN2 (1.1)
IFT172 (2.2)
USP1 (1.6)
C11orf49 (2.6)
MAPRE3 (2.3)
NOP58 (2.2)
POLR1A (1.7)
ARFGAP2 (1.4)
ENSG00000226645 (2.3)
USP1 (1.8)
SUMO1 (1.3)
HAPLN4 (2.4)
HAPLN4 (2.4)
KRTCAP3 (2.0)
PLTP (1.0)
STRC (2.5)
FAM167A (1.7)
FAM167A (1.7)
C11orf49 (2.4)
C11orf49 (2.4)
MPP2 (2.2)
REEP1 (2.4)
NFE2L3 (1.0)
MTMR9 (2.4)
FAM167A (1.1)
SUGP1 (2.0)
SUGP1 (2.0)
ZNF335 (1.7)
NCAN (2.7)
DPYSL5 (2.2)
MPP2 (2.3)
MAP1A (2.3)

MTMR9 (2.3)
WDR76 (1.4)
WDR76 (1.4)
DNAH10 (1.9)
DNAH10 (1.9)
MPP3 (2.7)
TECTB (2.0)
BRE (2.6)
DHODH (2.7)
FDFT1 (1.3)
TECTB (1.8)
CKAP5 (2.0)
REEP1 (2.3)
REEP1 (2.3)
BUD13 (2.2)
WDR76 (1.8)

Supplementary Table 37: Comparison of Significant DEPICT Tissue and Cell Type En

The table summarizes P values and False-Discovery-Rates that are described in detai

MeSH term	Name	MeSH first level term
A10.165.114.8	Abdominal Fat	Tissues
A10.165.114	Adipose Tissue	Tissues
A10.165.114.8	Adipose Tissue White	Tissues
A10.165.114.8	Subcutaneous Fat	Tissues
A10.165.114.8	Subcutaneous Fat Abdominal	Tissues
A11.329.114	Adipocytes	Cells
A11.436.348	Hepatocytes	Cells
A03.556.249.1	Ileum	Digestive System
A03.620	Liver	Digestive System
A06.407.071.1	Adrenal Cortex	Endocrine System
A06.407.071	Adrenal Glands	Endocrine System
A15.378.316	Bone Marrow Cells	Hemic and Immune Systems
A15.378	Hematopoietic System	Hemic and Immune Systems
A03.556.124.5	Rectum	Digestive System
A11.436	Epithelial Cells	Cells
A03.556.124.6	Intestine Small	Digestive System

ns=not significant (FDR>0.05)

richment Results Across Lipids Traits.

l in Supplementary Tables 34-36.

	HDL		LDL		Triglyc
MeSH second level term	**Nominal P value**	**False discovery rate**	**Nominal P value**	**False discovery rate**	**Nominal P value**
Connective Tissue	5.30E-05	**<0.01**	ns	ns	7.98E-05
Connective Tissue	9.10E-05	**<0.01**	ns	ns	2.46E-04
Connective Tissue	1.78E-04	**<0.01**	ns	ns	3.35E-04
Connective Tissue	1.78E-04	**<0.01**	ns	ns	3.35E-04
Connective Tissue	5.30E-05	**<0.01**	ns	ns	7.98E-05
Connective Tissue Cells	1.68E-03	**<0.05**	ns	ns	ns
Epithelial Cells	1.38E-03	**<0.05**	2.07E-04	**<0.05**	4.50E-04
Gastrointestinal Tract	3.09E-03	**<0.05**	ns	ns	7.43E-04
Liver	4.56E-04	**<0.01**	1.16E-04	**<0.01**	5.11E-05
Endocrine Glands	1.32E-03	**<0.05**	ns	ns	5.18E-03
Endocrine Glands	1.74E-03	**<0.05**	ns	ns	ns
Hematopoietic System	5.13E-03	**<0.05**	ns	ns	ns
Hematopoietic System	5.13E-03	**<0.05**	ns	ns	ns
Gastrointestinal Tract	ns	ns	4.54E-04	**<0.05**	ns
Epithelial Cells	ns	ns	6.42E-04	**<0.05**	ns
Gastrointestinal Tract	ns	ns	ns	ns	4.22E-04

erides
False discovery rate
<0.01
<0.01
<0.01
<0.01
<0.01
ns
<0.01
<0.05
<0.01
<0.05
ns
ns
ns
ns
ns
<0.01